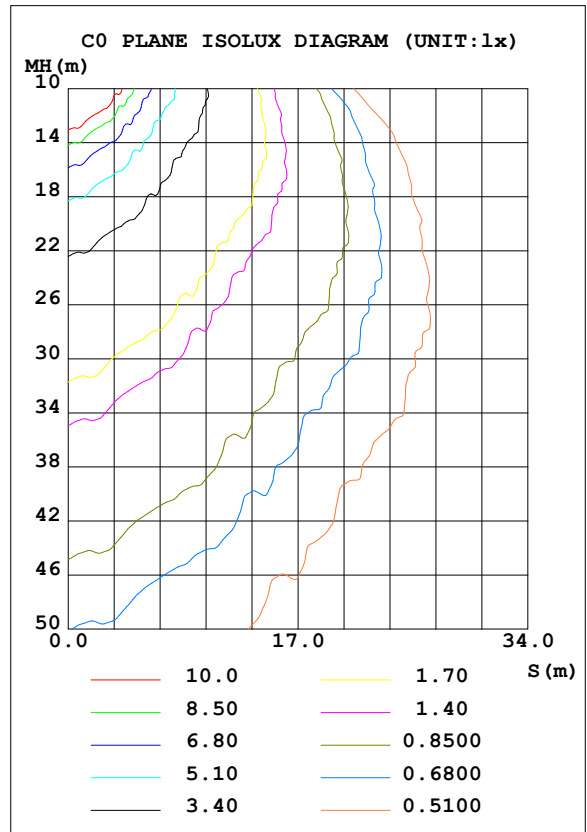
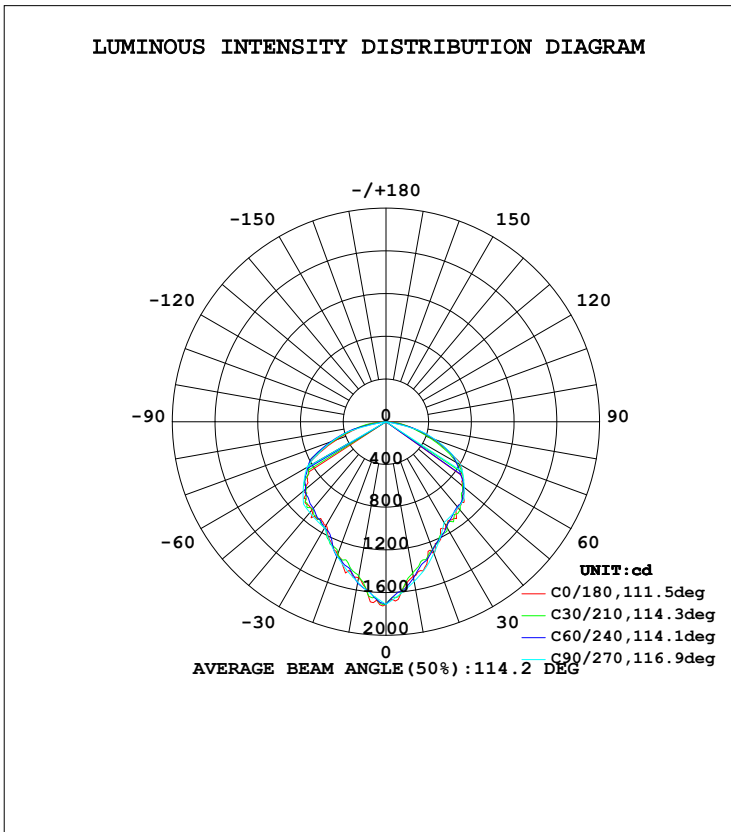




LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.46 lm/W			
MODEL	ASD-LBL1-40N30B-PC	I _{max} (cd)	1725	S/MH (C0/180)	1.02
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.02
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	4418.3	η UP, DN (C0-180)	0.0,49.2
NOMINAL FLUX (lm)	4418.29	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,50.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 27.3DEG
 Operators: QC
 Test Date: 2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 10.382m [K=1.0000]
 Remarks:



ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	1615	1608	1614	1614	1693	1624	1618	1616	0- 5	39.46	39.46	0.89,0.89
10	1471	1439	1519	1473	1482	1478	1525	1465	5- 10	110.1	149.6	3.39,3.39
15	1411	1346	1423	1360	1467	1403	1433	1366	10- 15	169.9	319.5	7.23,7.23
20	1319	1275	1312	1293	1329	1275	1338	1297	15- 20	221.1	540.6	12.2,12.2
25	1213	1213	1201	1214	1233	1240	1243	1192	20- 25	263.1	803.7	18.2,18.2
30	1120	1145	1089	1152	1119	1175	1148	1134	25- 30	296.7	1100	24.9,24.9
35	1104	1112	1070	1098	1119	1115	1129	1083	30- 35	328.2	1429	32.3,32.3
40	1062	1059	1050	1083	1085	1110	1111	1071	35- 40	362.6	1791	40.5,40.5
45	1035	1013	1031	1029	1073	1035	1092	1003	40- 45	390.0	2181	49.4,49.4
50	925.7	961.5	956.6	964.9	974.7	963.3	1013	955.7	45- 50	404.9	2586	58.5,58.5
55	853.5	872.1	882.4	880.7	903.6	900.6	934.1	874.8	50- 55	474.8	2989	67.7,67.7
60	800.6	731.5	808.3	763.2	834.1	807.0	855.2	759.0	55- 60	392.6	3382	76.5,76.5
65	637.0	588.8	649.1	622.5	688.7	684.7	695.3	636.6	60- 65	360.8	3743	84.7,84.7
70	462.7	446.0	489.8	474.0	491.9	541.6	535.4	491.7	65- 70	293.0	4036	91.3,91.3
75	294.3	311.3	330.6	334.7	327.3	384.2	375.4	344.8	70- 75	215.3	4251	96.2,96.2
80	170.9	158.2	0	176.6	199.2	205.1	0	180.1	75- 80	126.6	4378	99.1,99.1
85	81.33	0	0	0	90.88	0	0	0	80- 85	35.68	4413	99.9,99.9
90	12.51	0	0	0	9.472	0	0	0	85- 90	4.974	4418	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

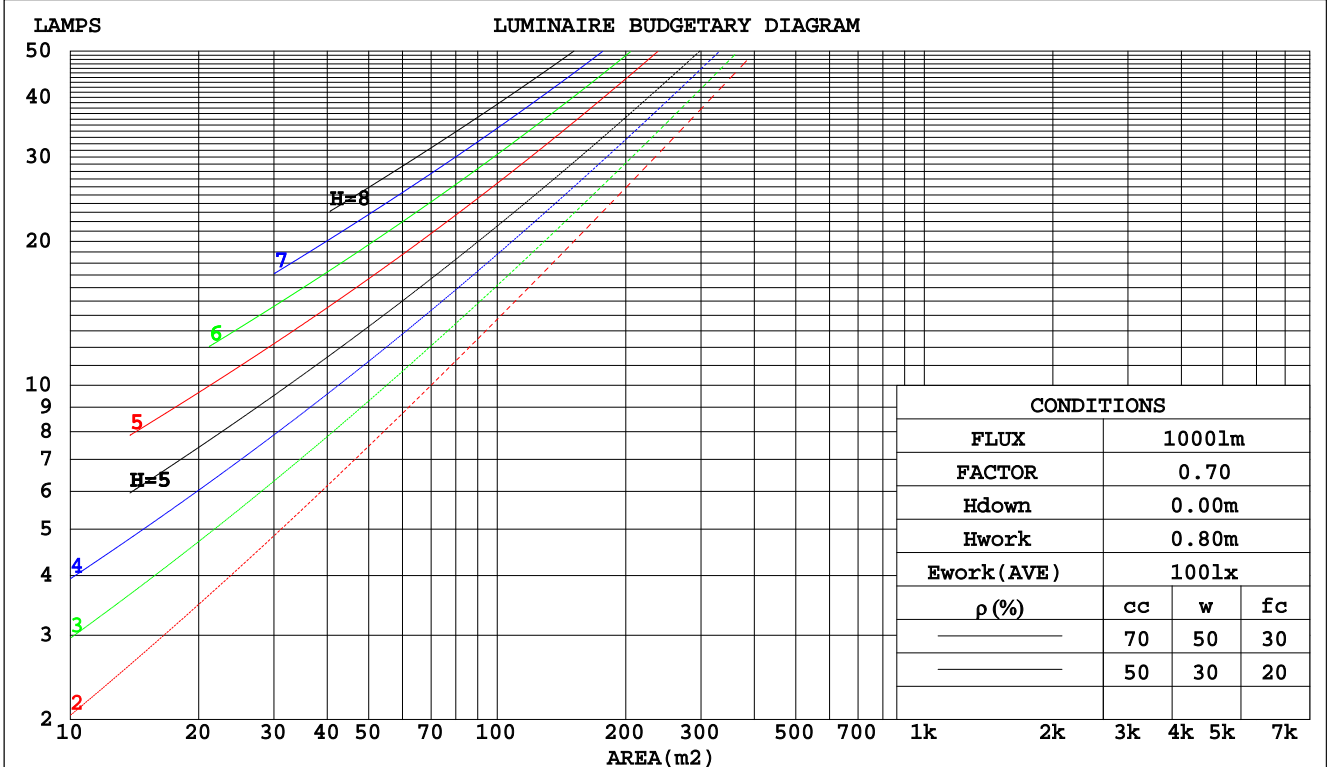
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.99	.96	1.01	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69
3.0	.78	.70	.63	.77	.69	.62	.74	.67	.61	.71	.65	.60	.68	.63	.59	.57
4.0	.69	.60	.53	.68	.59	.52	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.61	.52	.45	.60	.51	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.43	.38	.49	.43	.38	.36
7.0	.50	.41	.34	.49	.40	.34	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.45	.36	.30	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.34	.30	.28
9.0	.41	.33	.27	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.29	.25	.36	.29	.24	.35	.29	.24	.23



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



WEC AND CCEC

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME: ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.312	.178	.056	.305	.174	.055	.292	.167	.053	.280	.161	.052	.268	.156	.050	
2.0	.298	.164	.050	.292	.161	.050	.280	.156	.048	.270	.151	.047	.260	.147	.046	
3.0	.277	.148	.044	.272	.146	.044	.261	.142	.043	.252	.138	.042	.243	.134	.042	
4.0	.256	.133	.039	.251	.131	.039	.242	.128	.038	.233	.125	.038	.225	.122	.037	
5.0	.236	.120	.035	.232	.119	.035	.224	.116	.034	.216	.114	.034	.209	.112	.034	
6.0	.219	.110	.031	.215	.109	.031	.207	.106	.031	.201	.104	.031	.194	.102	.030	
7.0	.203	.100	.028	.200	.099	.028	.193	.098	.028	.187	.096	.028	.181	.094	.028	
8.0	.189	.093	.026	.186	.092	.026	.180	.090	.026	.175	.089	.026	.170	.087	.025	
9.0	.177	.086	.024	.174	.085	.024	.169	.084	.024	.164	.082	.024	.159	.081	.023	
10.0	.166	.080	.022	.164	.079	.022	.159	.078	.022	.155	.077	.022	.150	.076	.022	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.134	.154	.134	.115	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.166	.114	.073	.142	.099	.064	.098	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.159	.101	.057	.136	.087	.050	.094	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.089	.055	.028	.052	.032	.017	.017	.011	.006	
6.0	.144	.083	.038	.124	.071	.033	.085	.050	.024	.050	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.028	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.078	.043	.017	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:27.3DEG
Operators:QC
Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:10.382m [K=1.0000]
Remarks:



UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm										
NAME: ASD-LBL1-40N30B-PC					TYPE:			WEIGHT:		
SPEC.:3000K					DIM.:			SERIAL No.:		
MFR.:ASD Lighting Corp.					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	30.6	32.2	30.9	32.4	32.6	30.7	32.3	31.0	32.5	32.7
3H	32.1	33.6	32.4	33.8	34.1	32.4	33.9	32.7	34.1	34.3
4H	32.6	34.0	32.9	34.2	34.5	33.0	34.4	33.3	34.6	34.9
6H	32.9	34.2	33.3	34.5	34.8	33.0	34.3	33.4	34.6	34.9
8H	33.0	34.3	33.4	34.6	34.9	33.0	34.2	33.3	34.5	34.8
12H	33.1	34.3	33.5	34.6	34.9	32.9	34.1	33.3	34.4	34.7
4H 2H	31.3	32.6	31.6	32.9	33.2	31.3	32.7	31.7	33.0	33.2
3H	32.9	34.1	33.2	34.4	34.7	33.2	34.4	33.5	34.7	35.0
4H	33.5	34.6	33.8	34.9	35.2	33.9	35.0	34.2	35.3	35.6
6H	33.9	34.9	34.3	35.2	35.6	34.0	34.9	34.4	35.3	35.7
8H	34.0	35.0	34.5	35.3	35.7	33.9	34.8	34.3	35.2	35.6
12H	34.2	35.0	34.6	35.4	35.8	33.9	34.7	34.3	35.1	35.5
8H 4H	33.7	34.6	34.1	35.0	35.4	34.1	35.0	34.5	35.3	35.7
6H	34.3	35.0	34.7	35.4	35.9	34.2	35.0	34.6	35.4	35.8
8H	34.5	35.2	35.0	35.6	36.1	34.2	34.8	34.6	35.3	35.7
12H	34.7	35.3	35.2	35.8	36.2	34.1	34.7	34.6	35.1	35.6
12H 4H	33.7	34.5	34.1	34.9	35.3	34.1	34.9	34.5	35.3	35.7
6H	34.3	34.9	34.7	35.4	35.8	34.2	34.9	34.7	35.3	35.8
8H	34.5	35.1	35.0	35.5	36.0	34.2	34.8	34.7	35.2	35.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.4					+ 0.1 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.6				

CIE Pub.117 Corrected 4418 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.2)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:27.3DEG
Operators:QC
Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:10.382m [K=1.0000]
Remarks:



UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	43	36	54	43	36	53	42	36	29
0.80	65	53	45	64	53	45	62	52	45	38
1.00	74	62	55	73	62	54	70	63	54	46
1.25	81	70	63	80	70	62	77	68	62	54
1.50	87	76	69	85	75	68	82	74	67	60
2.00	94	85	78	92	84	77	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



ISOCANDELA DIAGRAM

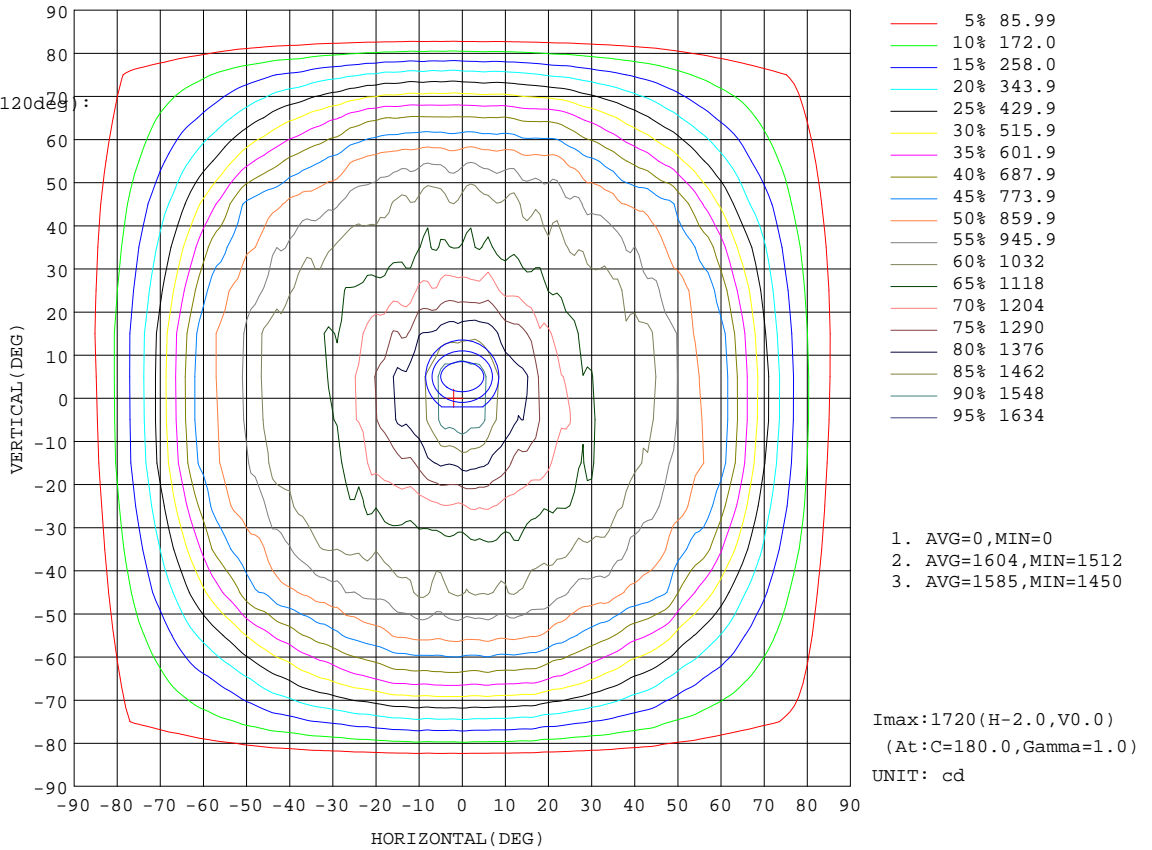
Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

Conical surface Flux(90deg):

2181.2 lm
%lum = 49.4%
%lamp = 49.4%

Conical surface Flux(120deg):

3381.9 lm
%lum = 76.5%
%lamp = 76.5%



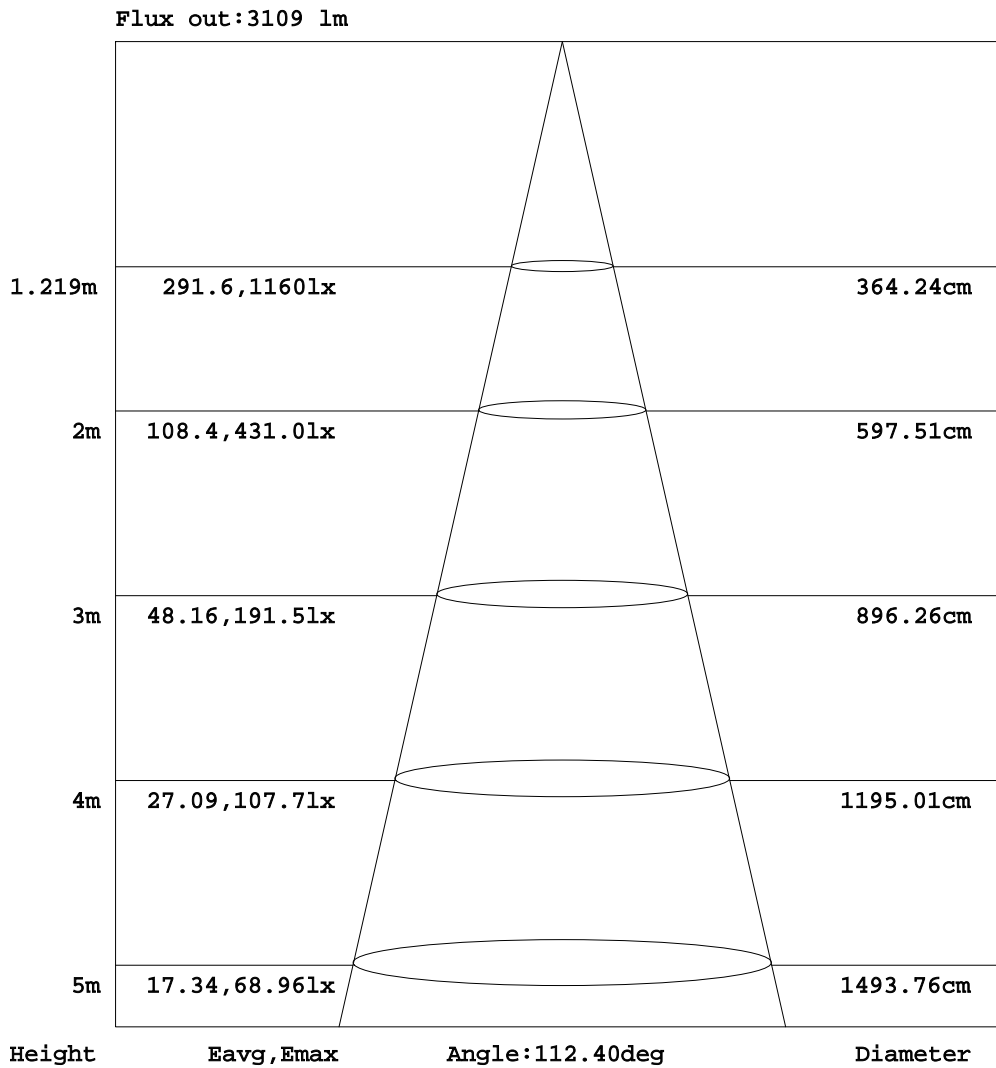
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



AAI Figure

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

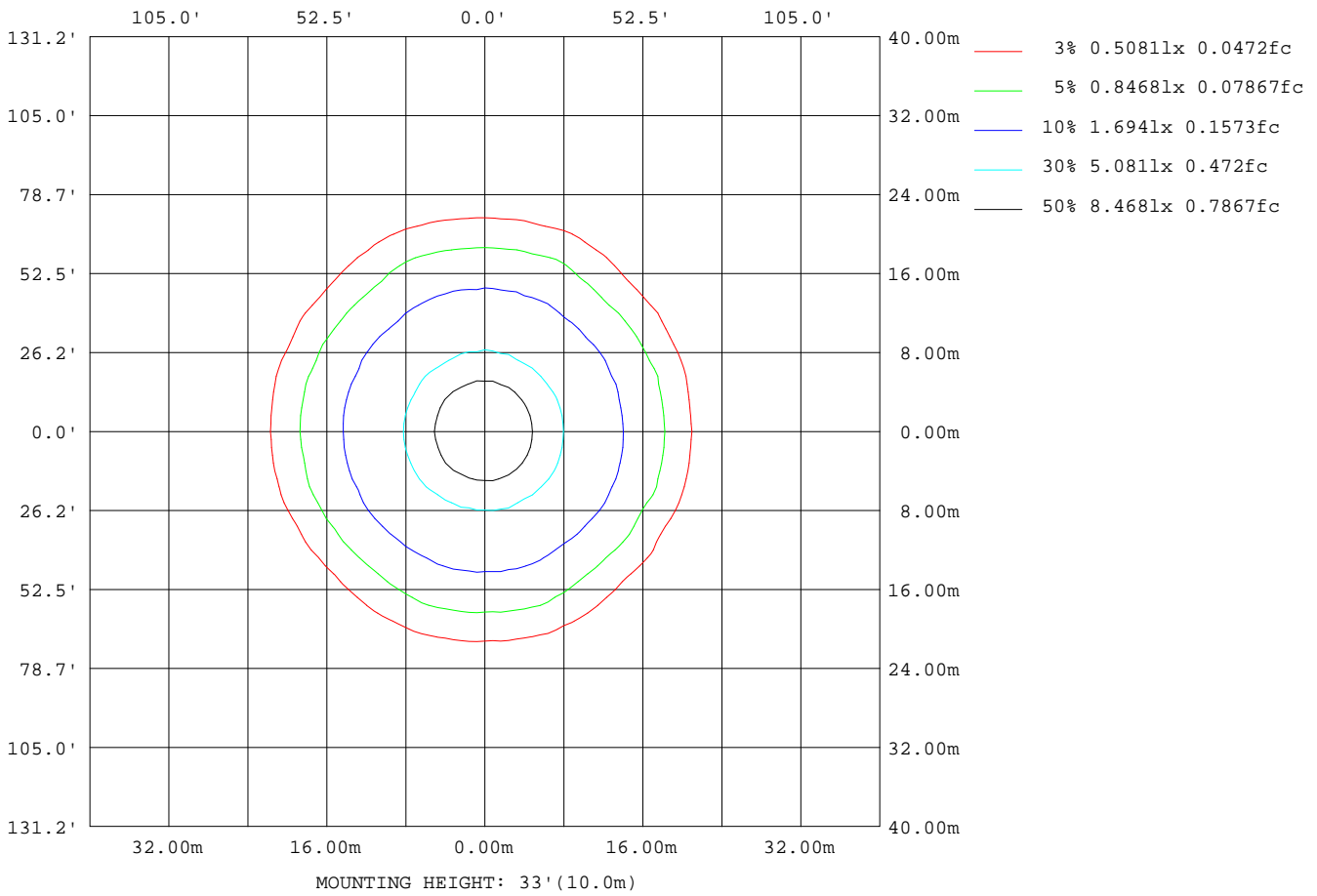
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



ISOLUX DIAGRAM

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



LED Avg.L Report

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	156849
L_0~180 (75) av	120079
L_0~180 (85) av	98795
L_90~270 (65) av	159054
L_90~270 (75) av	136399
L_90~270 (85) av	0
L_45 (65) av	149823
L_45 (75) av	132809
L_45 (85) av	0

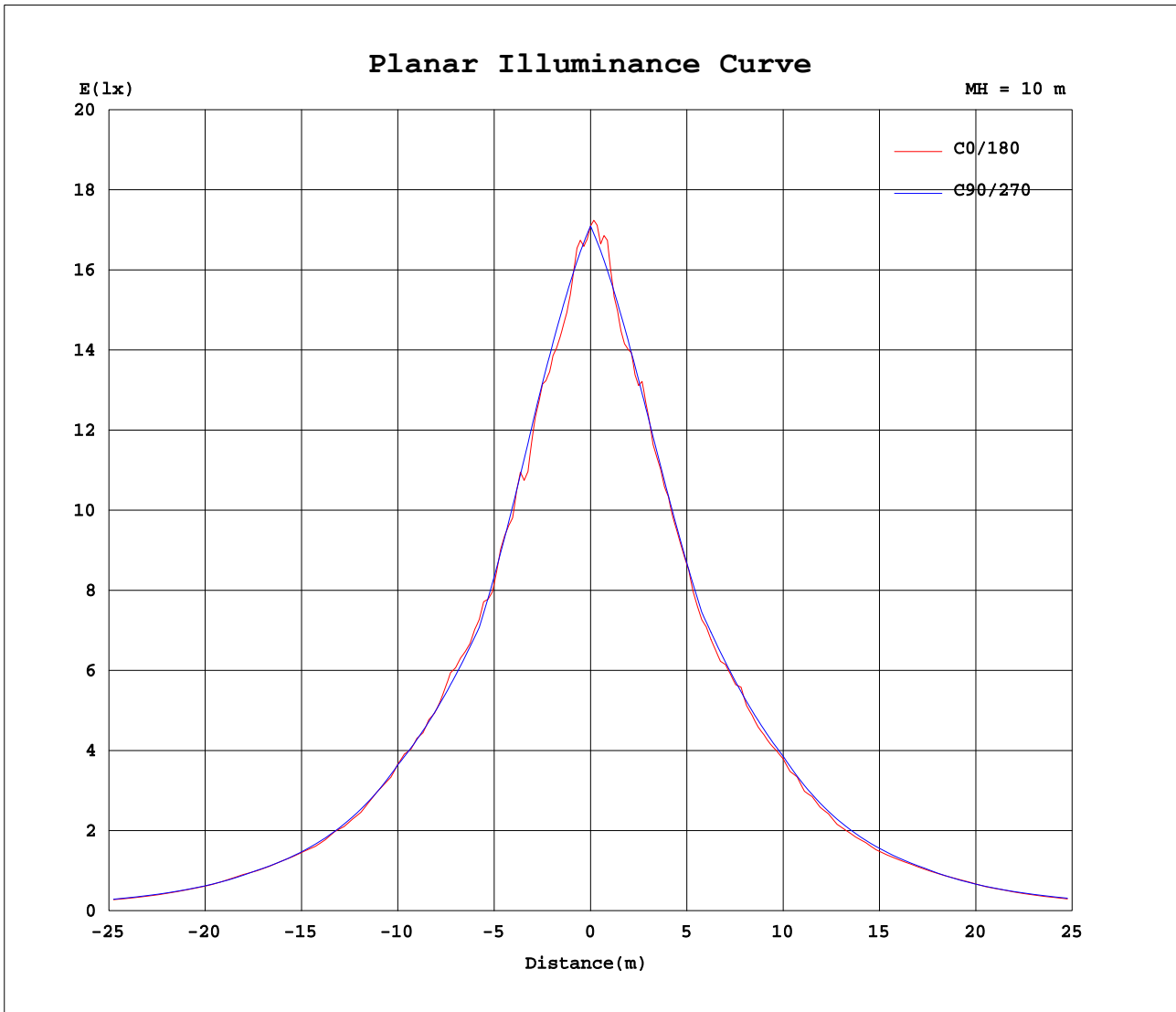
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:27.3DEG
Operators:QC
Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:10.382m [K=1.0000]
Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 27.3DEG
Operators: QC
Test Date: 2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 10.382m [K=1.0000]
Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
5	1615	1609	1605	1603	1603	1604	1606	1609	1609	1608	1607	1603	1594	1585	1584	1587	1592	1603	1614
10	1471	1462	1454	1448	1443	1440	1439	1440	1440	1439	1449	1465	1487	1494	1500	1498	1494	1501	1519
15	1411	1398	1389	1382	1378	1360	1339	1329	1335	1346	1354	1363	1365	1376	1404	1399	1406	1407	1423
20	1319	1303	1283	1264	1255	1258	1274	1270	1268	1275	1247	1261	1278	1291	1293	1316	1307	1310	1312
25	1213	1209	1206	1204	1197	1187	1188	1202	1214	1213	1195	1203	1203	1200	1211	1217	1214	1217	1201
30	1120	1124	1136	1149	1120	1114	1143	1157	1145	1145	1133	1137	1135	1163	1125	1144	1139	1121	1089
35	1104	1104	1107	1110	1107	1090	1108	1100	1088	1112	1103	1069	1080	1090	1108	1088	1101	1092	1070
40	1062	1055	1049	1059	1050	1060	1080	1080	1075	1059	1061	1055	1040	1048	1077	1056	1070	1065	1050
45	1035	1021	1017	1034	1005	1002	1004	1018	1033	1013	988	1001	1013	1015	1036	1043	1030	1038	1031
50	926	934	942	934	949	956	937	928	949	961	939	930	949	974	958	977	956	962	957
55	854	862	871	874	877	860	878	870	864	872	858	843	852	870	888	895	881	888	882
60	801	807	807	800	802	754	762	798	763	732	740	742	759	778	816	815	811	816	808
65	637	631	633	631	626	611	601	617	606	589	607	622	643	655	664	661	655	655	649
70	463	442	440	440	436	437	430	420	431	446	454	465	479	486	491	493	490	491	490
75	294	289	287	287	283	284	280	286	296	311	309	317	318	320	320	327	326	325	331
80	171	170	164	168	169	174	174	175	172	158	129	103	77.3	55.5	36.6	21.5	9.64	2.42	0.00
85	81.3	71.0	89.1	94.1	82.1	36.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
5	1616	1619	1617	1615	1612	1604	1598	1602	1614	1626	1637	1644	1652	1660	1668	1676	1685	1693	1685
10	1512	1502	1493	1494	1505	1519	1505	1488	1473	1473	1471	1464	1459	1459	1462	1467	1474	1482	1477
15	1399	1389	1388	1409	1403	1394	1390	1370	1360	1359	1361	1357	1371	1385	1405	1426	1447	1467	1449
20	1291	1296	1309	1301	1305	1287	1273	1264	1293	1291	1290	1288	1287	1295	1302	1309	1318	1329	1320
25	1194	1206	1204	1203	1198	1186	1209	1212	1214	1226	1231	1240	1222	1198	1198	1209	1220	1233	1222
30	1103	1116	1106	1114	1113	1137	1154	1160	1152	1165	1125	1151	1139	1135	1122	1119	1118	1119	1122
35	1084	1067	1069	1077	1078	1102	1097	1106	1098	1124	1112	1099	1103	1091	1095	1105	1117	1119	1114
40	1060	1034	1065	1047	1057	1049	1052	1060	1083	1092	1097	1091	1093	1085	1098	1091	1083	1085	1088
45	1033	1014	1053	1024	1004	997	1009	1021	1029	1064	1059	1039	1034	1048	1077	1069	1065	1073	1065
50	962	960	976	966	938	955	951	945	965	964	975	967	981	963	966	975	973	975	984
55	891	891	894	890	866	866	870	862	881	884	890	891	864	893	894	901	898	904	904
60	821	812	815	812	786	776	759	760	763	781	798	797	795	827	819	825	823	834	834
65	657	653	665	670	659	659	645	635	623	633	648	659	657	674	673	680	680	689	687
70	492	491	499	500	495	495	490	491	474	470	465	469	484	487	487	488	491	492	500
75	327	330	333	334	335	333	338	338	335	329	319	311	323	328	325	320	324	327	335
80	2.43	9.82	21.9	38.3	58.9	81.9	111	139	177	199	197	199	202	200	195	197	197	199	206
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.6	95.6	107	101	79.3	90.9	103
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.47	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
5	1678	1670	1663	1656	1650	1643	1634	1624	1614	1611	1616	1621	1623	1624	1624	1620	1618	1608	1600
10	1473	1470	1468	1465	1470	1477	1479	1478	1494	1514	1535	1526	1522	1520	1519	1523	1525	1516	1518
15	1428	1404	1379	1371	1370	1378	1389	1403	1405	1404	1405	1415	1434	1426	1431	1419	1433	1436	1444
20	1312	1306	1300	1296	1315	1327	1310	1275	1290	1322	1344	1330	1315	1341	1343	1330	1338	1337	1336
25	1218	1220	1228	1237	1248	1251	1233	1240	1241	1205	1212	1254	1243	1228	1252	1244	1243	1234	1240
30	1124	1123	1142	1151	1149	1162	1180	1175	1153	1169	1147	1135	1170	1134	1163	1158	1148	1127	1178
35	1106	1103	1113	1115	1113	1122	1120	1115	1119	1083	1105	1101	1112	1134	1123	1115	1129	1115	1139
40	1093	1100	1079	1097	1071	1087	1097	1110	1082	1073	1059	1079	1062	1109	1103	1075	1111	1100	1088
45	1062	1052	1043	1044	1066	1064	1026	1035	1045	1040	1025	1039	1074	1063	1096	1039	1092	1079	1039
50	990	997	984	1012	976	984	997	963	966	1001	986	997	1009	991	1023	981	1013	999	978
55	927	902	904	882	908	903	913	901	898	899	926	925	934	927	943	919	934	923	916
60	840	830	828	824	830	842	813	807	799	804	845	861	869	865	863	854	855	850	861
65	691	704	702	692	723	696	676	685	697	715	732	739	734	719	709	698	695	691	708
70	502	512	519	517	521	522	522	542	541	545	551	562	564	553	544	539	535	531	541
75	339	346	353	352	351	365	376	384	378	385	382	388	391	386	379	379	375	370	376
80	215	216	222	224	226	233	233	205	161	129	96.3	68.6	45.0	25.5	11.2	2.82	0.00	2.75	11.1
85	112	119	106	48.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:27.3DEG
Operators:QC
Test Date:2018-06-05

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:10.382m [K=1.0000]
Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.3310A P:37.94W PF:0.9562 Lamp Flux:4418.29x1 lm		
NAME:ASD-LBL1-40N30B-PC	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710				
5	1596	1596	1597	1605	1613	1616	1616	1617	1616	1612	1608	1606	1606	1607	1610				
10	1523	1523	1515	1502	1486	1474	1465	1456	1450	1445	1444	1447	1451	1457	1463				
15	1434	1429	1418	1403	1379	1366	1366	1366	1367	1376	1379	1386	1390	1395	1401				
20	1346	1334	1309	1295	1299	1312	1297	1299	1274	1245	1240	1253	1264	1281	1301				
25	1256	1222	1215	1226	1213	1215	1192	1217	1196	1190	1173	1178	1187	1195	1203				
30	1146	1134	1152	1137	1153	1142	1134	1130	1121	1126	1107	1105	1116	1120	1119				
35	1093	1109	1079	1112	1068	1095	1083	1075	1080	1079	1062	1087	1102	1100	1100				
40	1072	1071	1060	1045	1063	1040	1071	1049	1058	1064	1063	1037	1054	1054	1054				
45	1069	1019	1038	1035	994	1020	1003	1026	1035	991	1019	1020	1049	1027	1026				
50	1011	974	970	977	975	949	956	954	948	930	956	938	950	951	937				
55	924	915	925	887	861	882	875	876	878	884	856	880	865	857	853				
60	841	849	857	817	789	776	759	789	808	798	788	807	809	802	801				
65	696	713	726	693	687	657	637	636	661	656	640	648	650	632	631				
70	535	544	545	526	516	503	492	474	470	467	465	459	462	460	449				
75	372	367	371	362	358	351	345	333	320	311	310	304	307	301	291				
80	24.5	42.0	65.2	89.7	118	148	180	200	194	191	193	185	178	173	172				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.9	87.7	98.5	91.7	85.1			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:27.3DEG
 Operators:QC
 Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:10.382m [K=1.0000]
 Remarks:



Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
2.5	1672	1668	1663	1658	1653	1648	1643	1638	1635	1635
5.0	1615	1609	1605	1603	1603	1604	1606	1609	1609	1608
7.5	1517	1510	1504	1499	1495	1495	1498	1501	1511	1523
10.0	1471	1462	1454	1448	1443	1440	1439	1440	1440	1439
12.5	1435	1421	1409	1397	1392	1393	1393	1390	1391	1395
15.0	1411	1398	1389	1382	1378	1360	1339	1329	1335	1346
17.5	1306	1304	1308	1315	1316	1315	1314	1317	1298	1282
20.0	1319	1303	1283	1264	1255	1258	1274	1270	1268	1275
22.5	1232	1223	1215	1218	1229	1238	1238	1246	1253	1228
25.0	1213	1209	1206	1204	1197	1187	1188	1202	1214	1213
27.5	1127	1125	1121	1134	1157	1184	1176	1162	1168	1172
30.0	1120	1124	1136	1149	1120	1114	1143	1157	1145	1145
32.5	1097	1098	1098	1098	1109	1147	1108	1107	1134	1124
35.0	1104	1104	1107	1110	1107	1090	1108	1100	1088	1112
37.5	1080	1077	1075	1079	1102	1100	1089	1089	1087	1080
40.0	1062	1055	1049	1059	1050	1060	1080	1080	1075	1059
42.5	1040	1039	1034	1036	1031	1031	1038	1060	1060	1043
45.0	1035	1021	1017	1034	1005	1002	1004	1018	1033	1013
47.5	990.1	975.9	972.9	978.1	984.1	969.3	972.7	994.6	985.9	984.6
50.0	925.7	934.1	941.6	934.5	948.5	956.1	936.9	928.1	948.7	961.5
52.5	905.3	903.6	923.5	915.1	896.3	920.1	914.5	902.4	904.0	918.9
55.0	853.5	862.1	871.0	874.3	877.2	860.0	878.0	869.9	863.7	872.1
57.5	841.5	841.1	854.0	840.0	831.0	819.0	831.5	839.2	832.7	805.8
60.0	800.6	806.7	806.5	800.3	801.9	754.0	761.9	797.7	762.5	731.5
62.5	729.4	727.0	729.8	729.4	727.0	683.4	686.1	717.3	689.5	660.8
65.0	637.0	631.0	633.0	631.4	625.9	610.7	601.0	617.0	605.8	588.8
67.5	543.8	530.2	531.0	538.7	526.1	524.5	514.1	512.0	520.7	517.9
70.0	462.7	442.0	439.5	439.6	436.4	429.5	429.5	419.7	430.5	446.0
72.5	371.4	357.7	354.1	354.7	352.3	357.8	348.4	343.0	362.0	377.3
75.0	294.3	288.9	286.8	286.8	282.8	284.2	280.0	285.9	296.4	311.3
77.5	232.0	226.8	223.2	223.0	222.3	226.3	225.0	231.1	233.2	244.7
80.0	170.9	170.3	164.5	168.4	169.3	174.1	174.3	175.2	172.4	158.2
82.5	123.3	120.3	122.2	124.7	127.8	127.2	120.0	85.59	52.09	21.31
85.0	81.33	70.97	89.11	94.06	82.07	36.63	0	0	0	0
87.5	42.75	39.77	49.42	0	0	0	0	0	0	0
90.0	12.51	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
2.5	1634	1635	1635	1636	1640	1645	1650	1656	1662	1664
5.0	1607	1603	1594	1585	1584	1587	1592	1603	1614	1616
7.5	1535	1544	1549	1552	1545	1537	1541	1551	1567	1565
10.0	1449	1465	1487	1494	1500	1498	1494	1501	1519	1512
12.5	1402	1399	1414	1438	1446	1453	1449	1453	1471	1456
15.0	1354	1363	1365	1376	1404	1399	1406	1407	1423	1399
17.5	1299	1317	1329	1329	1343	1356	1359	1358	1368	1344
20.0	1247	1261	1278	1291	1293	1316	1307	1310	1312	1291
22.5	1236	1223	1233	1242	1254	1262	1258	1263	1256	1241
25.0	1195	1203	1203	1200	1211	1217	1214	1217	1201	1194
27.5	1174	1164	1173	1174	1166	1183	1176	1169	1145	1148
30.0	1133	1137	1135	1163	1125	1144	1139	1121	1089	1103
32.5	1125	1099	1105	1127	1106	1111	1118	1106	1080	1094
35.0	1103	1069	1080	1090	1108	1088	1101	1092	1070	1084
37.5	1097	1080	1056	1065	1105	1066	1085	1079	1060	1073
40.0	1061	1055	1040	1048	1077	1056	1070	1065	1050	1060
42.5	1019	1037	1036	1030	1053	1049	1051	1052	1041	1047
45.0	988.2	1001	1013	1015	1036	1043	1030	1038	1031	1033
47.5	969.2	964.5	979.2	1004	1002	1020	994.2	999.8	993.7	998.0
50.0	939.5	929.7	948.6	973.7	957.7	977.2	955.7	961.7	956.6	962.2
52.5	906.7	881.6	905.7	922.4	922.1	935.9	917.9	924.2	919.5	926.9
55.0	857.5	843.0	852.2	870.2	888.4	895.1	881.5	888.0	882.4	891.2
57.5	807.6	793.0	805.0	822.3	854.4	854.7	846.2	852.2	845.4	855.9
60.0	740.4	741.7	759.3	778.5	816.3	814.7	811.5	816.5	808.3	821.2
62.5	672.8	684.6	712.6	737.1	754.4	745.7	737.1	736.8	728.7	740.1
65.0	606.8	622.4	642.6	655.0	664.0	661.3	655.2	655.1	649.1	657.3
67.5	531.9	542.9	559.7	572.2	576.9	577.2	572.7	573.1	569.5	574.6
70.0	454.1	465.0	478.6	486.3	490.7	493.4	490.4	490.8	489.8	492.0
72.5	379.4	390.0	397.3	402.3	405.0	410.2	408.3	408.2	410.2	409.5
75.0	309.3	317.5	317.8	320.2	320.4	326.9	326.4	325.4	330.6	327.0
77.5	242.3	245.1	224.3	206.6	190.9	182.0	171.5	164.9	165.3	165.6
80.0	128.9	102.7	77.29	55.51	36.61	21.49	9.643	2.424	0	2.434
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 27.3DEG
 Operators: QC
 Test Date: 2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 10.382m [K=1.0000]
 Remarks:



Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
2.5	1667	1670	1673	1676	1676	1676	1677	1678	1680	1681
5.0	1619	1617	1615	1612	1604	1598	1602	1614	1626	1637
7.5	1562	1556	1547	1543	1536	1527	1531	1543	1555	1567
10.0	1502	1493	1494	1494	1493	1493	1493	1493	1493	1493
12.5	1442	1441	1448	1460	1447	1430	1433	1419	1407	1403
15.0	1389	1388	1409	1403	1394	1390	1370	1360	1359	1361
17.5	1344	1348	1359	1352	1355	1329	1316	1308	1314	1334
20.0	1296	1309	1301	1305	1287	1273	1264	1293	1291	1290
22.5	1250	1257	1253	1245	1235	1224	1250	1248	1245	1252
25.0	1206	1204	1203	1198	1186	1209	1212	1214	1226	1231
27.5	1162	1154	1147	1154	1157	1177	1185	1193	1192	1207
30.0	1116	1106	1114	1113	1137	1154	1160	1152	1165	1125
32.5	1089	1081	1088	1083	1115	1130	1110	1143	1111	1140
35.0	1067	1069	1077	1078	1102	1097	1106	1098	1124	1112
37.5	1047	1063	1061	1072	1078	1053	1094	1098	1102	1095
40.0	1034	1065	1047	1057	1049	1052	1060	1083	1092	1097
42.5	1023	1063	1035	1034	1015	1040	1045	1060	1092	1092
45.0	1014	1053	1024	1004	996.7	1009	1021	1029	1064	1059
47.5	990.0	1023	1003	973.8	980.9	975.9	988.5	1003	1017	1015
50.0	959.7	975.6	965.6	938.0	955.3	950.9	945.0	964.9	964.1	975.3
52.5	926.8	933.1	929.2	903.3	914.2	919.9	918.8	930.0	925.1	923.7
55.0	890.8	893.6	890.1	866.4	866.2	869.9	862.2	880.7	883.5	889.5
57.5	852.5	854.3	849.2	827.4	819.8	807.0	809.4	820.1	845.8	852.4
60.0	812.3	815.4	811.6	786.2	776.0	759.2	760.4	763.2	780.7	797.7
62.5	735.5	748.0	756.0	742.5	729.9	705.6	697.9	696.1	711.9	720.4
65.0	653.0	665.2	670.3	659.1	658.6	644.8	635.4	622.5	632.6	647.7
67.5	571.9	582.1	584.6	576.5	576.8	564.5	566.7	548.1	550.0	556.4
70.0	491.1	499.1	500.1	495.1	494.9	489.9	490.8	474.0	470.0	464.8
72.5	410.6	416.2	416.8	414.7	413.8	414.0	414.4	403.4	399.4	383.7
75.0	330.4	333.3	334.4	335.1	333.5	337.6	338.1	334.7	329.0	318.6
77.5	174.2	185.5	200.1	218.7	237.0	261.9	263.0	267.8	262.2	256.1
80.0	9.815	21.87	38.30	58.89	81.93	110.7	139.3	176.6	199.2	196.7
82.5	0	0	0	0	0	0	0	23.97	60.61	97.83
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
2.5	1681	1681	1682	1683	1686	1689	1693	1690	1687	1685
5.0	1644	1652	1660	1668	1676	1685	1693	1685	1678	1670
7.5	1542	1536	1533	1536	1541	1547	1555	1548	1542	1538
10.0	1464	1459	1459	1462	1467	1474	1482	1477	1473	1470
12.5	1408	1417	1429	1440	1446	1455	1468	1457	1451	1447
15.0	1357	1371	1385	1405	1426	1447	1467	1449	1428	1404
17.5	1347	1347	1349	1353	1358	1365	1376	1368	1366	1367
20.0	1288	1287	1295	1302	1309	1318	1329	1320	1312	1306
22.5	1260	1261	1262	1272	1274	1274	1282	1276	1274	1272
25.0	1240	1222	1198	1198	1209	1220	1233	1222	1218	1220
27.5	1154	1156	1178	1179	1177	1177	1182	1179	1182	1179
30.0	1151	1139	1135	1122	1119	1118	1119	1122	1124	1123
32.5	1122	1106	1108	1111	1102	1104	1107	1111	1120	1120
35.0	1099	1103	1091	1095	1105	1117	1119	1114	1106	1103
37.5	1094	1094	1122	1103	1100	1111	1125	1110	1096	1107
40.0	1091	1093	1085	1098	1091	1083	1085	1088	1093	1100
42.5	1070	1062	1076	1067	1073	1072	1068	1065	1066	1083
45.0	1039	1034	1048	1077	1069	1065	1073	1065	1062	1052
47.5	1010	1008	1028	1026	1025	1027	1026	1033	1043	1045
50.0	967.1	981.1	963.5	965.6	974.7	972.7	974.7	984.0	990.3	996.9
52.5	921.9	919.7	909.4	934.0	922.6	920.3	924.1	927.2	940.4	958.7
55.0	891.0	864.0	892.6	893.6	900.7	898.3	903.6	904.2	926.8	902.4
57.5	823.6	846.9	865.5	864.8	868.0	857.0	860.4	862.9	874.6	873.3
60.0	796.5	795.1	827.2	818.5	825.1	822.6	834.1	833.9	840.2	829.6
62.5	750.3	731.3	753.9	762.9	763.3	779.0	783.2	781.4	788.4	785.5
65.0	659.2	657.1	674.5	672.6	679.8	679.9	688.7	686.6	691.5	704.3
67.5	558.9	574.8	575.1	577.1	578.2	585.7	587.0	594.8	598.5	605.3
70.0	469.5	483.8	486.9	487.1	487.6	491.3	491.9	499.7	501.9	511.7
72.5	385.6	397.8	407.2	401.5	398.7	410.6	405.0	413.5	415.2	418.6
75.0	311.2	322.5	327.8	324.6	320.1	323.9	327.3	335.2	339.3	346.0
77.5	254.8	257.8	258.5	255.6	256.0	260.0	260.8	268.8	272.8	278.5

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 27.3DEG
 Operators: QC
 Test Date: 2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 10.382m [K=1.0000]
 Remarks:



Photometric Data Table [cd]

80.0	199.2	202.4	199.7	195.0	196.6	196.5	199.2	205.8	214.9	215.5
82.5	140.7	148.4	150.5	143.3	142.3	133.8	143.2	147.2	154.5	160.1
85.0	0	42.62	95.58	107.3	101.5	79.26	90.88	103.1	112.0	119.2
87.5	0	0	0	0	54.93	42.03	45.11	63.54	67.81	0
90.0	0	0	0	0	0	0	9.472	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
2.5	1684	1683	1683	1684	1683	1681	1680	1679	1678	1678
5.0	1663	1656	1650	1643	1634	1624	1614	1611	1616	1621
7.5	1534	1538	1545	1554	1567	1581	1588	1581	1573	1566
10.0	1468	1465	1470	1477	1479	1478	1494	1514	1535	1526
12.5	1440	1434	1433	1433	1431	1430	1443	1438	1456	1479
15.0	1379	1371	1370	1378	1389	1403	1405	1404	1405	1415
17.5	1368	1368	1358	1327	1323	1333	1365	1388	1373	1365
20.0	1300	1296	1315	1327	1310	1275	1290	1322	1344	1330
22.5	1275	1275	1270	1265	1289	1283	1244	1247	1290	1292
25.0	1228	1237	1248	1251	1233	1240	1241	1205	1212	1254
27.5	1175	1174	1203	1211	1215	1192	1204	1194	1164	1201
30.0	1142	1151	1149	1162	1180	1175	1153	1169	1147	1135
32.5	1121	1109	1134	1135	1139	1152	1133	1129	1122	1084
35.0	1113	1115	1113	1122	1120	1115	1119	1083	1105	1101
37.5	1111	1092	1106	1105	1116	1112	1095	1078	1084	1093
40.0	1079	1097	1071	1087	1097	1110	1082	1073	1059	1079
42.5	1081	1078	1091	1049	1067	1073	1067	1051	1047	1064
45.0	1043	1044	1066	1064	1026	1035	1045	1040	1025	1039
47.5	1035	1004	1013	1035	997.7	1001	1006	1018	1013	1011
50.0	983.7	1012	976.1	984.3	997.4	963.3	966.3	1001	985.8	997.4
52.5	932.6	917.0	964.0	945.8	958.2	938.3	931.6	948.0	954.7	961.8
55.0	904.1	881.8	907.5	902.7	912.7	900.6	897.9	899.1	926.1	925.0
57.5	862.5	861.5	863.5	874.6	886.0	860.0	844.3	850.1	880.4	890.1
60.0	828.4	823.6	830.4	842.0	813.1	807.0	798.5	804.3	844.8	861.1
62.5	766.4	763.9	799.9	775.1	747.2	742.8	748.3	764.3	804.0	828.7
65.0	702.5	692.3	723.3	696.1	676.1	684.7	697.2	714.9	732.1	739.4
67.5	606.5	608.2	616.6	613.3	608.0	621.2	625.4	628.9	640.6	651.2
70.0	519.5	517.2	521.3	521.9	522.2	541.6	540.8	544.9	551.3	562.5
72.5	431.6	431.5	430.3	435.5	447.8	461.3	458.5	463.6	465.5	474.6
75.0	352.6	351.5	351.1	365.1	375.6	384.2	378.2	385.0	382.4	387.8
77.5	282.8	281.0	286.0	297.2	303.5	308.9	300.2	306.7	278.8	255.2
80.0	222.5	223.6	225.6	232.9	233.3	205.1	160.9	129.1	96.25	68.56
82.5	167.7	168.0	161.0	116.5	70.93	27.72	0	0	0	0
85.0	106.1	48.91	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
2.5	1675	1672	1669	1666	1664	1658	1653	1648	1643	1640
5.0	1623	1624	1624	1620	1618	1608	1600	1596	1596	1597
7.5	1566	1570	1572	1573	1571	1561	1556	1557	1564	1569
10.0	1522	1520	1519	1523	1525	1516	1518	1523	1523	1515
12.5	1475	1479	1469	1471	1479	1474	1482	1483	1472	1461
15.0	1434	1426	1431	1419	1433	1436	1444	1434	1429	1418
17.5	1376	1383	1394	1374	1386	1387	1392	1386	1385	1373
20.0	1315	1341	1343	1330	1338	1337	1336	1346	1334	1309
22.5	1274	1285	1295	1286	1291	1286	1284	1303	1278	1251
25.0	1243	1228	1252	1244	1243	1234	1240	1256	1222	1215
27.5	1211	1171	1209	1202	1196	1180	1206	1197	1165	1183
30.0	1170	1134	1163	1158	1148	1127	1178	1146	1134	1152
32.5	1138	1131	1139	1136	1139	1120	1158	1118	1113	1108
35.0	1112	1134	1123	1115	1129	1115	1139	1093	1109	1079
37.5	1077	1131	1111	1093	1120	1108	1117	1076	1101	1066
40.0	1062	1109	1103	1075	1111	1100	1088	1072	1071	1060
42.5	1064	1084	1098	1056	1101	1090	1062	1068	1042	1058
45.0	1074	1063	1096	1039	1092	1079	1039	1069	1019	1038
47.5	1050	1030	1064	1011	1052	1039	1009	1054	1003	1002
50.0	1009	991.3	1023	980.9	1013	998.7	977.5	1011	974.5	970.1
52.5	970.4	956.0	982.9	950.1	973.5	959.6	945.8	969.1	945.6	948.3
55.0	933.7	926.7	942.7	919.2	934.1	922.7	916.5	923.7	915.3	924.7
57.5	900.5	897.2	903.0	887.1	894.7	886.4	888.4	879.9	883.1	896.0
60.0	868.8	864.9	863.5	853.8	855.2	850.2	860.5	840.6	848.8	857.4
62.5	817.6	800.3	790.0	776.8	775.3	771.6	789.2	776.2	796.0	818.8
65.0	733.9	718.7	709.1	697.8	695.3	691.3	707.9	696.1	712.6	726.1
67.5	648.8	636.3	626.8	618.5	615.3	611.0	624.2	615.8	629.2	635.1
70.0	563.7	553.1	544.5	539.0	535.4	530.6	541.0	535.1	543.7	545.0

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 27.3DEG
 Operators: QC
 Test Date: 2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 10.382m [K=1.0000]
 Remarks:



Photometric Data Table [cd]

72.5	478.4	469.7	461.9	459.2	455.4	450.2	458.1	453.8	456.2	457.1
75.0	391.4	386.3	379.3	379.2	375.4	369.8	375.5	372.3	367.4	370.9
77.5	235.7	216.2	199.8	192.1	187.7	187.4	197.8	208.3	220.0	242.5
80.0	44.97	25.47	11.22	2.823	0	2.754	11.11	24.53	42.04	65.15
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	1710	1710	1710	1710	1710	1710	1710	1710	1710	1710
2.5	1639	1639	1639	1639	1640	1642	1647	1651	1656	1660
5.0	1605	1613	1616	1616	1617	1616	1612	1608	1606	1606
7.5	1565	1557	1546	1534	1523	1514	1510	1506	1505	1506
10.0	1502	1486	1474	1465	1456	1450	1445	1444	1447	1451
12.5	1447	1435	1419	1404	1400	1401	1406	1408	1408	1411
15.0	1403	1379	1366	1366	1366	1367	1376	1379	1386	1390
17.5	1346	1335	1334	1337	1341	1335	1335	1328	1314	1303
20.0	1295	1299	1312	1297	1299	1274	1245	1240	1253	1264
22.5	1257	1269	1256	1254	1209	1226	1237	1234	1235	1217
25.0	1226	1213	1215	1192	1217	1196	1190	1173	1178	1187
27.5	1183	1179	1172	1177	1166	1151	1143	1155	1147	1130
30.0	1137	1153	1142	1134	1130	1121	1126	1107	1105	1116
32.5	1109	1133	1098	1116	1101	1098	1092	1090	1091	1081
35.0	1112	1068	1095	1083	1075	1080	1079	1062	1087	1102
37.5	1093	1058	1079	1056	1073	1065	1060	1088	1085	1081
40.0	1045	1063	1040	1071	1049	1058	1064	1063	1037	1054
42.5	1029	1037	1020	1027	1043	1045	1052	1016	1042	1047
45.0	1035	994.5	1020	1003	1026	1035	990.7	1019	1020	1049
47.5	1019	986.0	967.3	986.2	984.7	976.3	1002	967.1	991.8	981.6
50.0	977.3	974.6	949.2	955.7	954.4	948.4	930.2	956.1	937.8	949.9
52.5	928.8	933.4	927.3	925.7	902.0	917.1	909.1	907.2	898.8	919.7
55.0	887.4	861.4	882.3	874.8	875.8	877.8	883.6	855.9	879.9	865.3
57.5	859.7	833.5	825.2	813.6	840.9	850.0	836.9	836.0	851.5	831.8
60.0	816.9	789.2	775.8	759.0	789.1	807.9	797.7	787.6	807.4	809.4
62.5	768.3	742.3	716.8	701.4	719.3	736.7	739.9	724.0	748.8	741.5
65.0	693.3	686.7	656.9	636.6	636.2	661.3	655.8	640.5	647.9	650.2
67.5	609.0	600.8	584.7	567.3	555.8	563.3	561.5	558.4	553.2	547.7
70.0	526.1	516.5	502.8	491.7	473.6	470.1	467.2	464.6	459.0	461.7
72.5	444.3	435.9	425.0	417.7	400.8	387.5	384.3	385.7	377.1	377.7
75.0	362.4	357.5	350.6	344.8	332.8	320.5	311.4	310.3	303.9	307.3
77.5	260.3	279.5	277.1	273.9	265.6	255.6	250.3	248.2	241.0	240.8
80.0	89.68	117.8	147.5	180.1	200.0	193.9	191.4	192.8	184.9	177.9
82.5	0	0	0	24.32	60.23	95.21	132.1	139.9	138.5	130.6
85.0	0	0	0	0	0	0	0	39.90	87.70	98.48
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	1710	1710								
2.5	1664	1668								
5.0	1607	1610								
7.5	1508	1512								
10.0	1457	1463								
12.5	1419	1426								
15.0	1395	1401								
17.5	1300	1300								
20.0	1281	1301								
22.5	1212	1221								
25.0	1195	1203								
27.5	1118	1122								
30.0	1120	1119								
32.5	1082	1092								
35.0	1100	1100								
37.5	1071	1074								
40.0	1054	1054								
42.5	1049	1046								
45.0	1027	1026								
47.5	978.1	983.2								
50.0	950.5	936.8								
52.5	893.9	891.4								
55.0	857.1	853.2								
57.5	837.5	836.7								
60.0	802.2	801.0								
62.5	735.5	723.7								

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 27.3DEG
 Operators: QC
 Test Date: 2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 10.382m [K=1.0000]
 Remarks:



Photometric Data Table [cd]

65.0	631.9	630.6
67.5	545.2	535.2
70.0	459.5	449.2
72.5	377.7	363.5
75.0	301.2	291.0
77.5	235.6	230.7
80.0	173.0	171.6
82.5	126.1	124.2
85.0	91.74	85.13
87.5	53.59	50.50
90.0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:27.3DEG
Operators:QC
Test Date:2018-06-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:10.382m [K=1.0000]
Remarks: