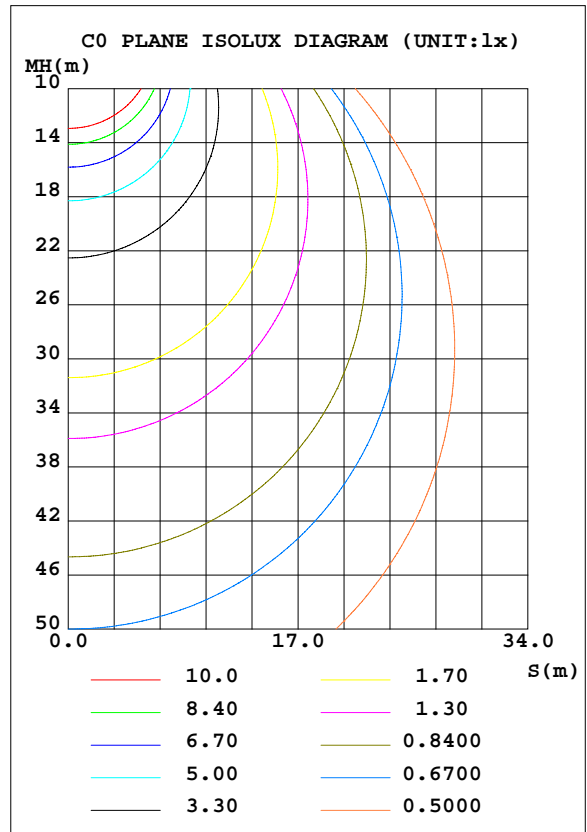
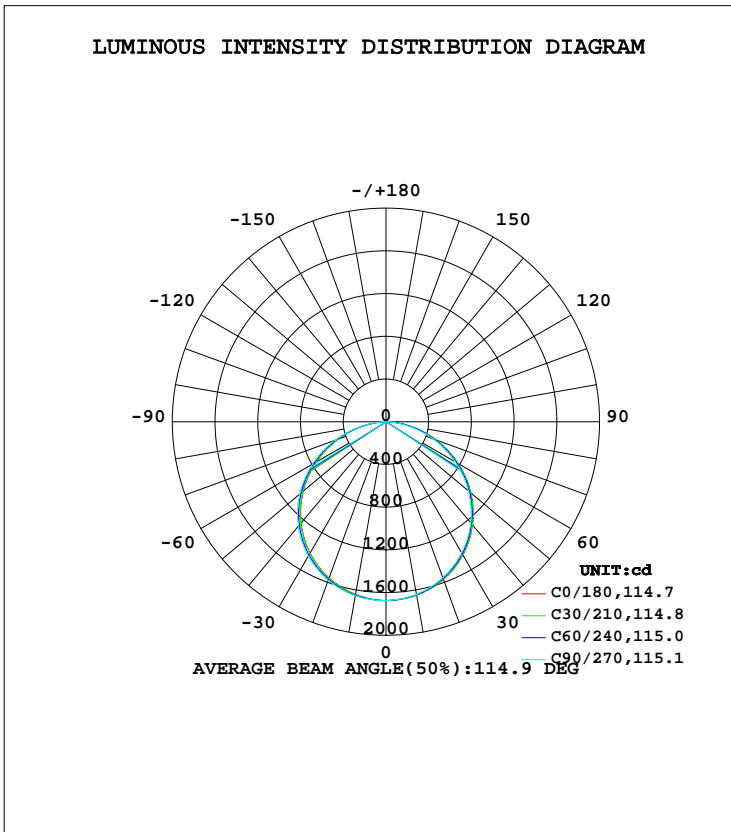


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.63 lm/W			
MODEL	ASD-BLP-22A35AC-MS-PRM	I _{max} (cd)	1675	S/MH(C0/180)	1.26
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	4924.6	η UP, DN(C0-180)	0.0,49.3
NOMINAL FLUX(lm)	4924.61	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.6
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1649	1647	1640	1638	1642	1646	1653	1654	0- 10	158.5	158.5	3.22,3.22
20	1571	1567	1554	1549	1557	1565	1580	1582	10- 20	455.3	613.7	12.5,12.5
30	1440	1435	1418	1410	1422	1431	1454	1456	20- 30	694.1	1308	26.6,26.6
40	1261	1256	1234	1223	1238	1249	1277	1280	30- 40	843.6	2151	43.7,43.7
50	1038	1032	1007	994.7	1011	1023	1055	1059	40- 50	882.8	3034	61.6,61.6
60	778.2	774.3	746.1	733.3	752.0	761.9	795.5	799.6	50- 60	805.0	3839	78.78
70	498.9	496.6	467.4	454.4	473.4	481.2	509.3	517.6	60- 70	621.7	4461	90.6,90.6
80	221.2	222.6	188.5	181.0	195.9	198.8	216.4	233.2	70- 80	365.1	4826	98.98
90	7.892	0.0777	0.2458	0.0389	0.2411	0.2797	0.2337	4.864	80- 90	95.03	4921	99.9,99.9
100	0.1222	0.1054	0.1256	0.1291	0.4282	0.3987	0.3795	0.3708	90-100	0.3367	4921	99.9,99.9
110	0.2280	0.1867	0.2134	0.2318	0.5122	0.4718	0.4654	0.4469	100-110	0.3225	4922	99.9,99.9
120	0.4198	0.3258	0.3514	0.3916	0.5942	0.5241	0.4979	0.4985	110-120	0.3848	4922	99.9,99.9
130	0.5986	0.5079	0.5181	0.5715	0.7965	0.8009	0.7213	0.7236	120-130	0.4856	4923	100,100
140	0.7087	0.6286	0.6717	0.6785	0.9586	1.006	0.9632	0.9118	130-140	0.5729	4923	100,100
150	0.7854	0.7193	0.7049	0.7584	1.127	1.170	1.106	1.098	140-150	0.5472	4924	100,100
160	0.9279	0.8081	0.7465	0.8808	1.303	1.325	1.210	1.223	150-160	0.4621	4924	100,100
170	1.064	1.033	0.9351	1.029	1.298	1.359	1.234	1.245	160-170	0.3115	4925	100,100
180	1.208	1.230	1.143	1.176	1.210	1.232	1.146	1.177	170-180	0.1116	4925	100,100
DEG	LUMINOUS INTENSITY:cd Less than 35% Percent = 13.8 %									UNIT:lm		

Conical surface Flux(90deg): 2595.3 lm

%lum = 52.7%
 %lamp = 52.7%

Conical surface Flux(120deg): 3839.3 lm

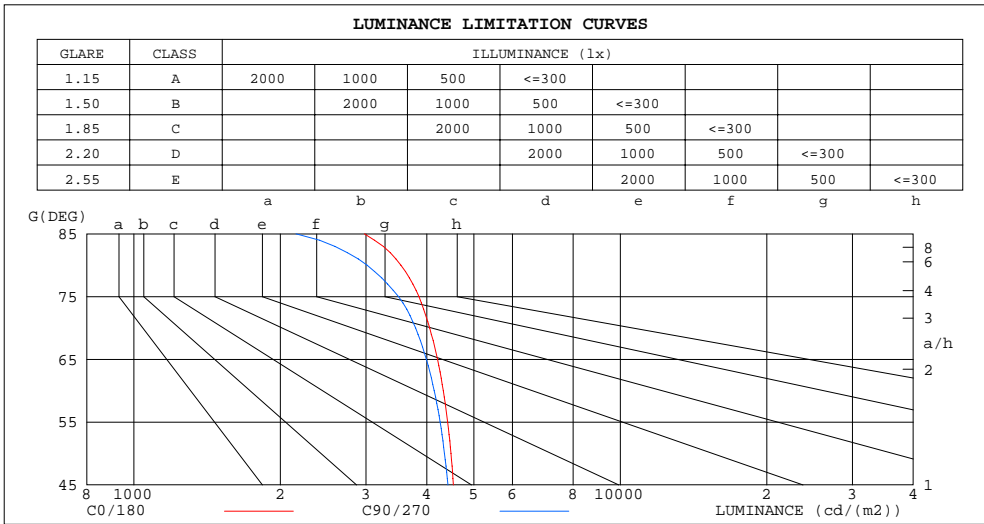
%lum = 78.0%
 %lamp = 78.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2978	2154
80	3540	3015
75	3855	3499
70	4055	3796
65	4208	3991
60	4326	4145
55	4416	4262
50	4487	4350
45	4538	4421

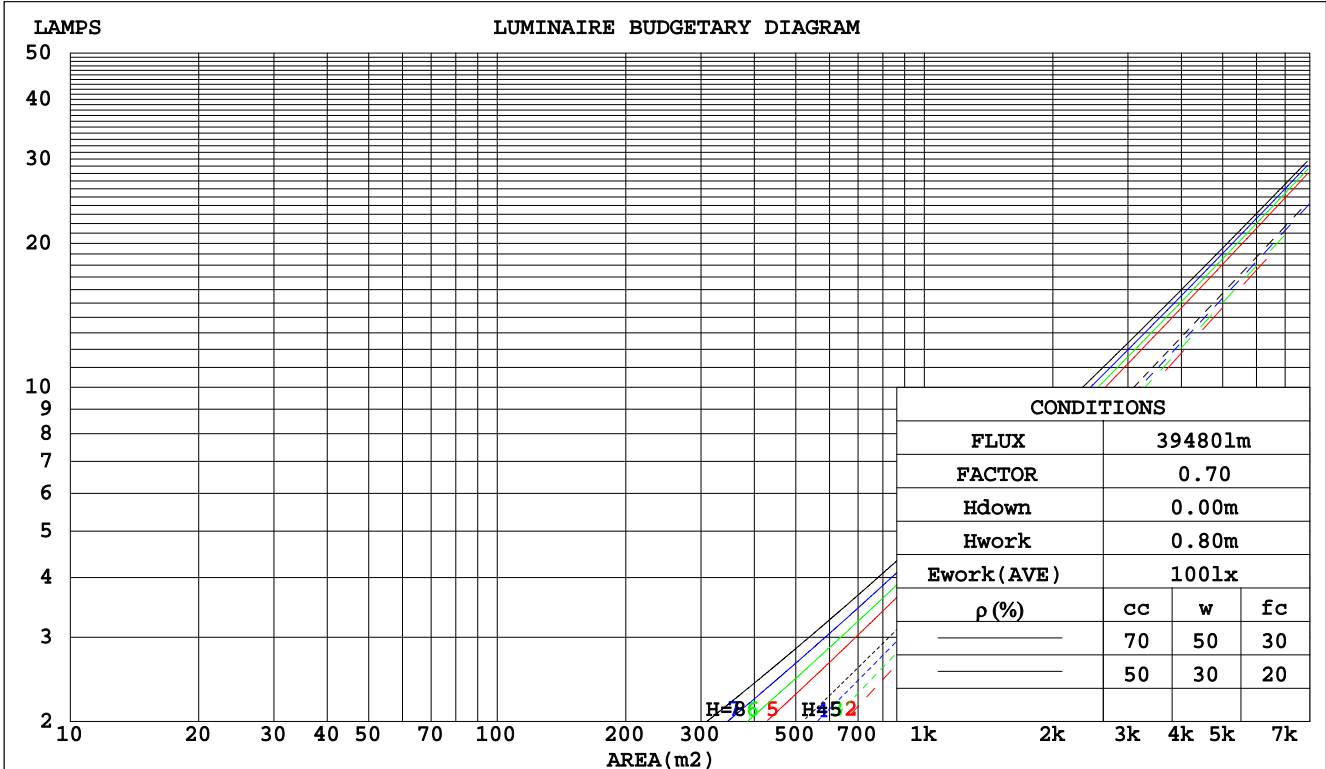
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	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	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.314	.178	.056	.307	.175	.056	.293	.168	.054	.281	.162	.052	.270	.156	.050	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.273	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.134	.116	.106	.092	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.132	.098	.148	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.074	.142	.099	.065	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.047	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.039	.123	.072	.034	.085	.050	.024	.049	.030	.014	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.022	.074	.040	.016	.043	.024	.009	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm										
NAME: ASD Lighting Corp					TYPE:LED			WEIGHT:		
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)					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	12.6	14.1	12.9	14.3	14.5	12.4	13.9	12.7	14.1	14.4
3H	14.2	15.6	14.5	15.9	16.1	14.0	15.4	14.3	15.6	15.8
4H	14.9	16.2	15.2	16.5	16.8	14.6	15.9	14.9	16.2	16.4
6H	15.4	16.7	15.7	16.9	17.2	15.0	16.3	15.3	16.5	16.8
8H	15.5	16.8	15.9	17.1	17.4	15.1	16.3	15.4	16.6	16.9
12H	15.6	16.8	16.0	17.1	17.4	15.1	16.3	15.5	16.6	16.9
4H 2H	13.2	14.6	13.5	14.8	15.1	13.1	14.4	13.4	14.7	14.9
3H	15.0	16.2	15.4	16.5	16.8	14.8	16.0	15.2	16.3	16.6
4H	15.8	16.9	16.2	17.2	17.6	15.5	16.6	15.9	16.9	17.3
6H	16.5	17.4	16.9	17.8	18.2	16.1	17.0	16.5	17.4	17.8
8H	16.7	17.6	17.1	18.0	18.4	16.2	17.1	16.7	17.5	17.9
12H	16.9	17.7	17.3	18.1	18.5	16.3	17.2	16.8	17.5	18.0
8H 4H	16.1	17.0	16.5	17.4	17.8	15.9	16.8	16.3	17.1	17.5
6H	16.9	17.7	17.4	18.1	18.5	16.6	17.3	17.0	17.7	18.1
8H	17.2	17.9	17.7	18.3	18.8	16.8	17.5	17.3	17.9	18.3
12H	17.5	18.1	18.0	18.5	19.0	17.0	17.5	17.4	18.0	18.5
12H 4H	16.1	16.9	16.6	17.3	17.7	15.9	16.7	16.3	17.1	17.5
6H	17.0	17.6	17.4	18.1	18.5	16.6	17.3	17.1	17.7	18.2
8H	17.4	17.9	17.8	18.4	18.8	16.9	17.5	17.4	17.9	18.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 4925 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

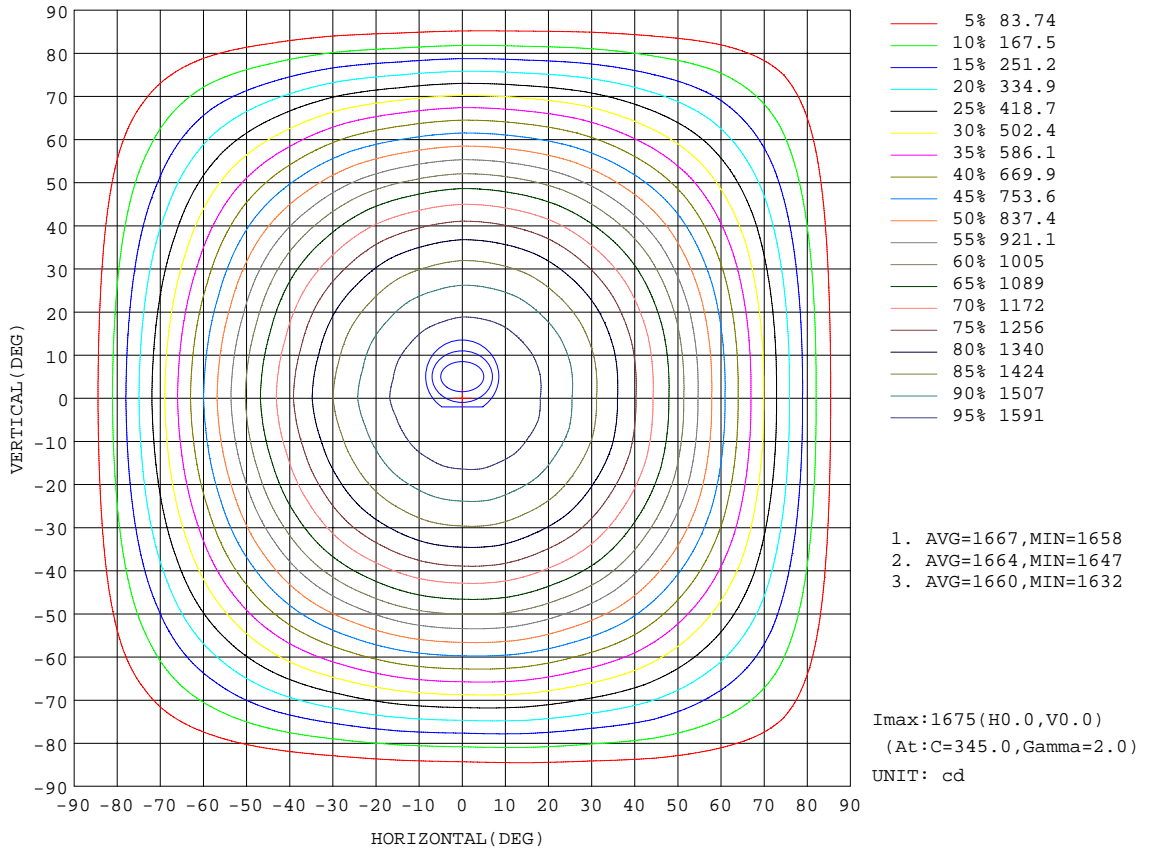
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	99	106	102	98	101	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: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

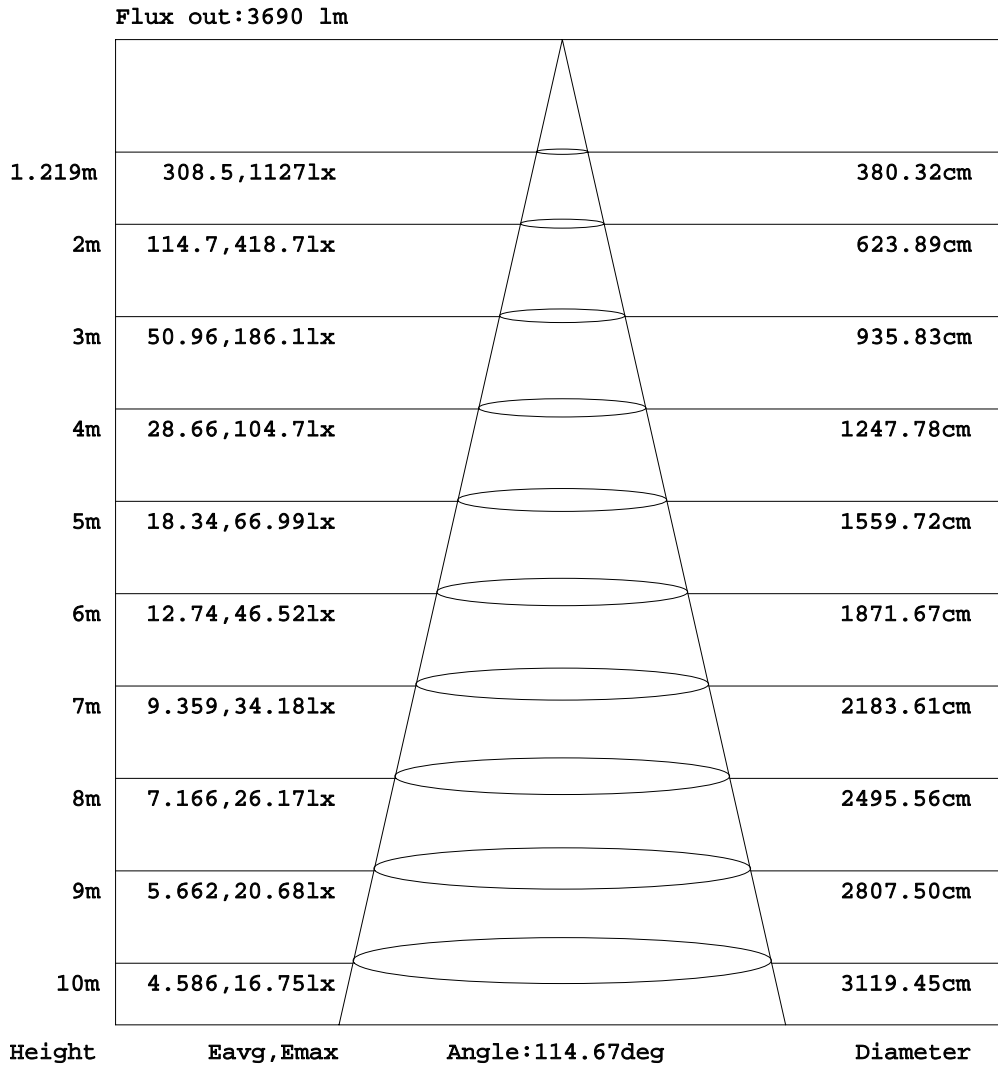


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



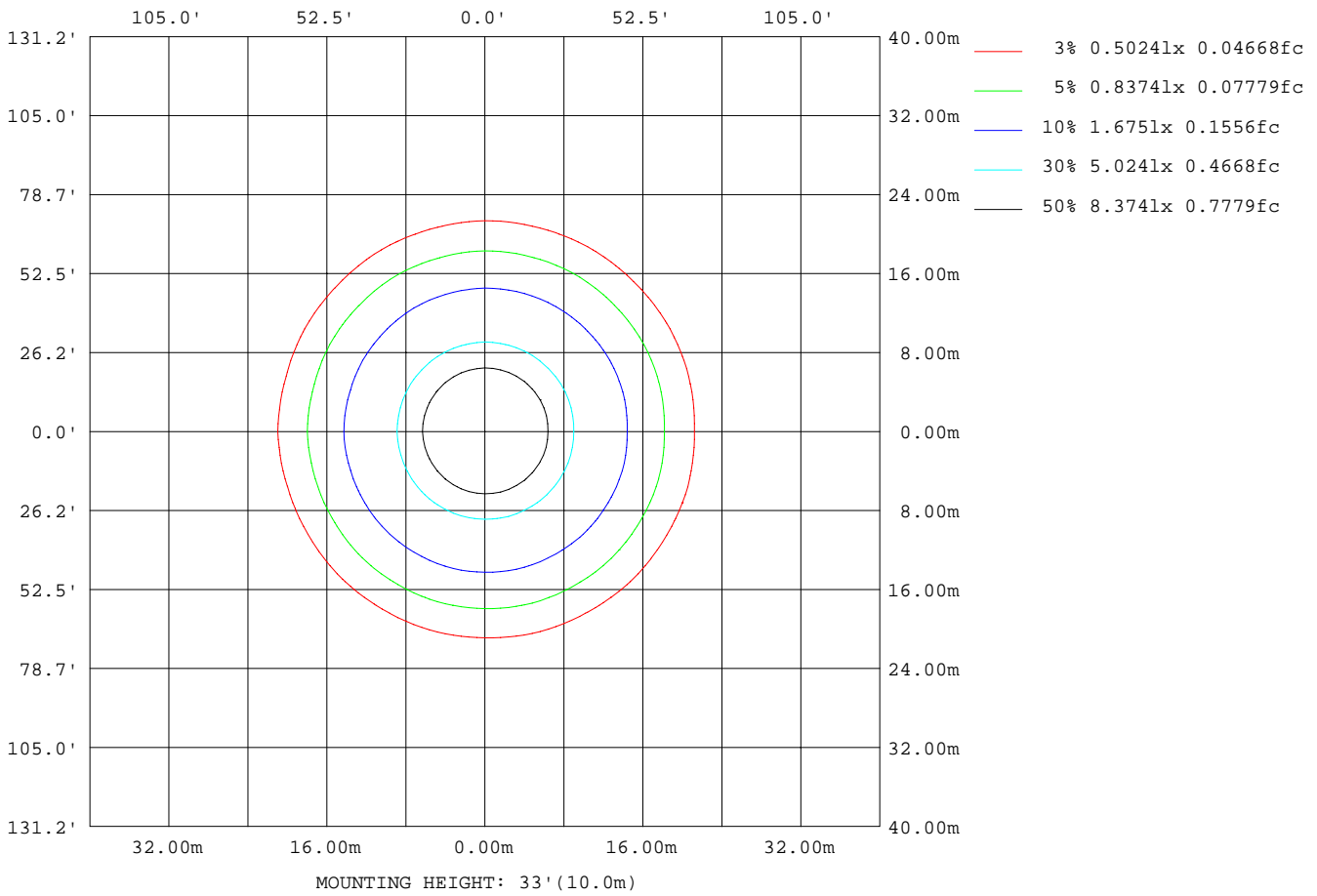
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.6lx1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

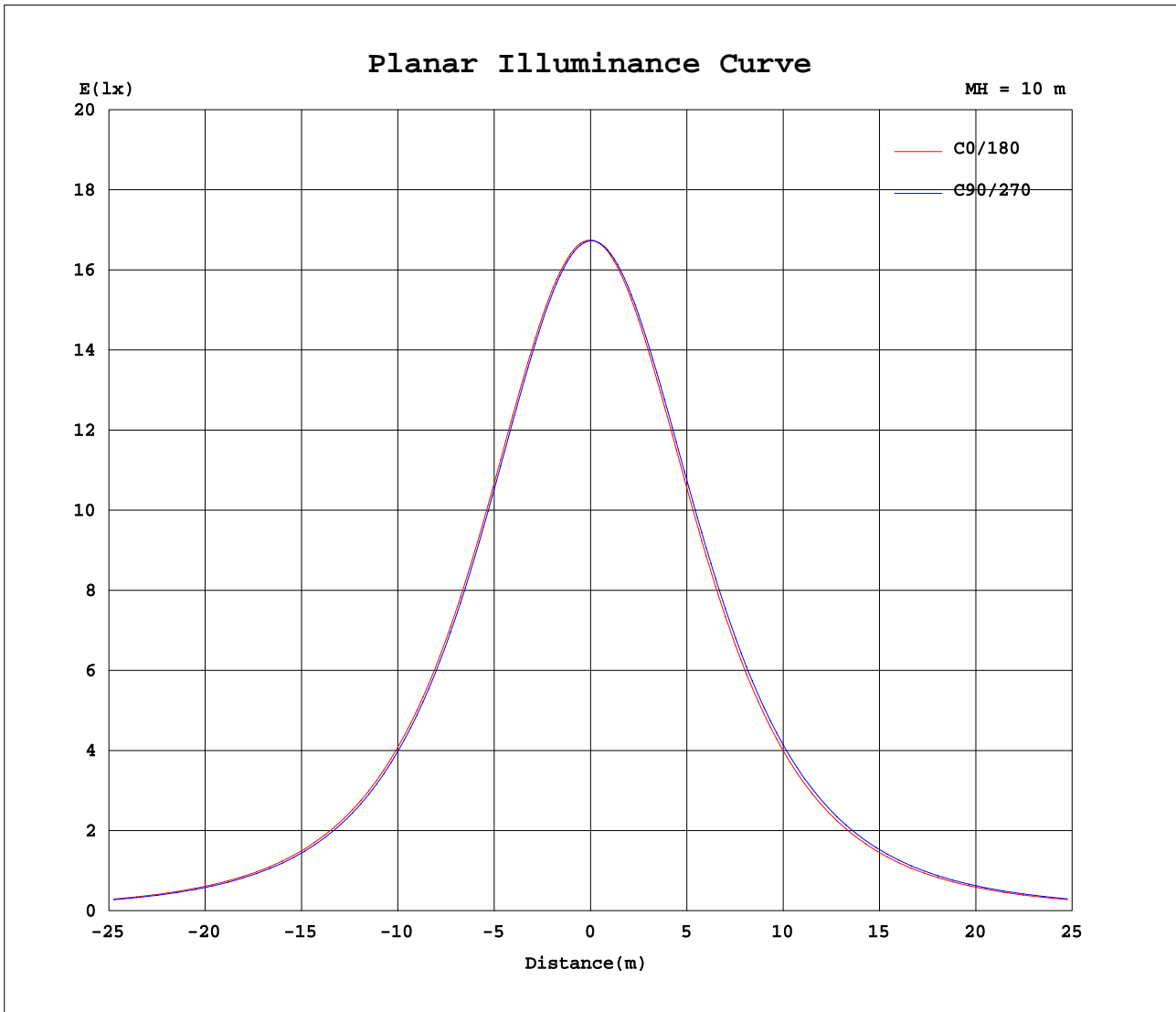
AvgL	cd/m2
L_0~180(65)av	4120
L_0~180(75)av	3714
L_0~180(85)av	2614
L_90~270(65)av	4149
L_90~270(75)av	3677
L_90~270(85)av	2472
L_45(65)av	4131
L_45(75)av	3730
L_45(85)av	2548

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.7DEG
Operators: Alan Wang
Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 54.5%
Test Distance: 2.500m [K=0.9942]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.7DEG
Operators: Alan Wang
Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 54.5%
Test Distance: 2.500m [K=0.9942]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
5	1668	1669	1667	1667	1666	1666	1663	1663	1662	1663	1662	1663	1665	1665	1665	1667	1668	1669	1670
10	1649	1651	1647	1647	1644	1643	1640	1640	1638	1638	1637	1638	1642	1642	1644	1646	1649	1651	1653
15	1617	1619	1614	1614	1609	1609	1604	1603	1600	1600	1599	1601	1606	1605	1610	1612	1618	1619	1623
20	1571	1574	1568	1567	1561	1561	1554	1553	1550	1549	1547	1550	1557	1556	1562	1565	1571	1575	1580
25	1512	1516	1509	1508	1500	1499	1492	1490	1486	1485	1483	1486	1496	1493	1500	1504	1514	1517	1523
30	1440	1445	1437	1435	1427	1426	1418	1416	1410	1410	1406	1410	1422	1419	1427	1431	1442	1446	1454
35	1357	1362	1353	1352	1342	1341	1331	1329	1322	1322	1318	1322	1335	1332	1341	1346	1359	1362	1372
40	1261	1267	1258	1256	1245	1244	1234	1231	1223	1223	1219	1223	1238	1233	1244	1249	1262	1267	1277
45	1154	1161	1151	1149	1138	1137	1126	1122	1114	1113	1109	1113	1129	1124	1135	1141	1155	1160	1172
50	1038	1045	1035	1032	1021	1019	1007	1004	995	995	989	994	1011	1005	1017	1023	1037	1043	1055
55	911	920	909	907	894	892	880	877	867	868	862	867	885	879	891	896	911	916	929
60	778	787	777	774	761	759	746	743	733	733	727	733	752	744	757	762	778	782	796
65	640	649	639	637	623	621	607	604	594	595	589	594	614	606	618	623	638	642	655
70	499	509	499	497	483	481	467	464	454	454	449	454	473	465	477	481	496	496	509
75	359	369	360	358	344	341	326	324	316	317	311	314	333	325	337	340	350	347	359
80	221	232	225	223	207	201	189	185	180	181	178	179	196	189	199	199	206	206	216
85	93.4	103	97.0	92.5	81.4	77.2	67.6	64.0	57.3	56.1	53.8	56.2	70.7	64.8	69.9	71.2	78.6	80.1	87.5
90	7.89	0.82	3.71	0.08	5.13	0.03	0.25	0.04	0.18	0.04	0.04	0.04	0.24	0.39	0.24	0.28	0.23	4.85	0.23
95	0.07	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.34	0.33	0.33	0.32	0.31	0.31	0.30
100	0.12	0.11	0.10	0.11	0.11	0.11	0.13	0.12	0.12	0.13	0.13	0.14	0.43	0.42	0.40	0.40	0.39	0.39	0.38
105	0.17	0.16	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.50	0.49	0.47	0.46	0.46	0.45	0.45
110	0.23	0.22	0.19	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.24	0.26	0.51	0.51	0.48	0.47	0.47	0.47	0.47
115	0.32	0.28	0.26	0.24	0.25	0.26	0.28	0.28	0.29	0.30	0.32	0.33	0.53	0.52	0.51	0.48	0.48	0.47	0.47
120	0.42	0.37	0.36	0.33	0.35	0.34	0.35	0.37	0.37	0.39	0.42	0.42	0.59	0.58	0.57	0.52	0.51	0.50	0.50
125	0.51	0.47	0.45	0.42	0.44	0.42	0.43	0.44	0.46	0.49	0.50	0.51	0.68	0.67	0.66	0.65	0.60	0.60	0.59
130	0.60	0.56	0.53	0.51	0.54	0.51	0.52	0.53	0.55	0.57	0.57	0.59	0.80	0.80	0.79	0.80	0.76	0.74	0.72
135	0.67	0.63	0.61	0.57	0.60	0.62	0.60	0.62	0.63	0.63	0.63	0.65	0.88	0.90	0.90	0.93	0.91	0.89	0.87
140	0.71	0.66	0.65	0.63	0.66	0.69	0.67	0.67	0.67	0.68	0.68	0.69	0.96	0.96	0.98	1.01	1.01	0.99	0.96
145	0.74	0.71	0.69	0.66	0.68	0.70	0.70	0.70	0.71	0.71	0.71	0.74	1.04	1.06	1.06	1.09	1.08	1.08	1.06
150	0.79	0.77	0.76	0.72	0.69	0.71	0.70	0.72	0.74	0.76	0.75	0.77	1.13	1.14	1.14	1.17	1.15	1.14	1.11
155	0.85	0.86	0.83	0.77	0.75	0.78	0.75	0.79	0.81	0.82	0.84	0.84	1.21	1.25	1.26	1.24	1.22	1.20	1.16
160	0.93	0.93	0.90	0.81	0.77	0.79	0.75	0.84	0.87	0.88	0.89	0.90	1.30	1.32	1.32	1.32	1.29	1.26	1.21
165	0.99	1.00	0.98	0.91	0.85	0.84	0.83	0.90	0.94	0.96	0.97	0.96	1.30	1.33	1.34	1.35	1.32	1.27	1.22
170	1.06	1.07	1.06	1.03	0.93	0.94	0.94	0.97	1.02	1.03	1.04	1.04	1.30	1.35	1.36	1.36	1.33	1.24	1.23
175	1.19	1.21	1.19	1.17	1.10	1.09	1.05	1.08	1.14	1.15	1.17	1.17	1.29	1.31	1.33	1.31	1.29	1.24	1.18
180	1.21	1.22	1.22	1.23	1.20	1.15	1.14	1.12	1.14	1.18	1.17	1.19	1.21	1.22	1.22	1.23	1.20	1.15	1.15

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2999A P:35.02W PF:0.9731 Freq:60.00Hz Lamp Flux:4924.61x1 lm		
NAME: ASD Lighting Corp	TYPE:LED	WEIGHT:
SPEC.:ASD-BLP-22A35AC-MS-PRM(4000K)	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1674	1674	1674	1674	1674														
5	1671	1671	1671	1671	1670														
10	1654	1655	1654	1655	1654														
15	1624	1626	1625	1625	1624														
20	1581	1583	1582	1583	1580														
25	1524	1527	1525	1526	1523														
30	1455	1458	1456	1457	1453														
35	1373	1376	1374	1376	1371														
40	1278	1283	1280	1282	1277														
45	1173	1178	1175	1177	1172														
50	1056	1062	1059	1061	1055														
55	930	936	933	936	930														
60	796	803	800	803	798														
65	656	662	660	665	659														
70	510	519	518	522	518														
75	360	372	375	381	377														
80	218	228	233	243	239														
85	90.2	97.3	100	108	109														
90	7.52	0.27	4.86	1.01	10.2														
95	0.30	0.29	0.29	0.29	0.29														
100	0.38	0.37	0.37	0.37	0.38														
105	0.44	0.44	0.43	0.43	0.45														
110	0.46	0.45	0.45	0.45	0.46														
115	0.46	0.45	0.45	0.48	0.48														
120	0.49	0.48	0.50	0.54	0.54														
125	0.57	0.54	0.59	0.60	0.63														
130	0.72	0.71	0.72	0.72	0.75														
135	0.85	0.84	0.82	0.83	0.85														
140	0.92	0.93	0.91	0.91	0.93														
145	1.02	1.01	1.01	1.00	1.02														
150	1.08	1.07	1.10	1.09	1.11														
155	1.16	1.16	1.17	1.21	1.20														
160	1.19	1.18	1.22	1.28	1.29														
165	1.21	1.20	1.25	1.29	1.29														
170	1.21	1.18	1.24	1.28	1.26														
175	1.23	1.18	1.25	1.26	1.28														
180	1.12	1.14	1.18	1.17	1.19														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

Photometric Data Table [cd]

33.0	1355	1359	1371	1368	1377	1381	1393	1397	1406	1406
36.0	1299	1304	1316	1313	1322	1327	1340	1344	1354	1355
39.0	1239	1244	1258	1254	1264	1269	1283	1287	1297	1298
42.0	1176	1180	1196	1191	1202	1207	1221	1225	1237	1238
45.0	1109	1113	1129	1124	1135	1141	1155	1160	1172	1173
48.0	1039	1043	1060	1054	1066	1071	1086	1091	1103	1104
51.0	964.4	969.0	986.6	980.9	992.7	998.2	1013	1018	1031	1032
54.0	887.9	892.6	910.9	904.6	916.9	921.9	937.6	942.2	955.4	955.9
57.0	808.8	813.5	832.6	825.7	838.1	843.2	858.6	862.8	876.6	876.9
60.0	727.3	732.7	752.0	744.3	757.1	761.9	777.5	781.9	795.5	795.9
63.0	644.6	649.7	669.5	661.9	674.2	678.7	694.5	697.8	711.8	712.4
66.0	561.3	565.9	585.9	577.7	589.9	594.6	609.4	612.8	626.4	627.0
69.0	477.3	482.1	501.6	493.5	505.4	509.4	523.5	525.5	538.2	539.4
72.0	393.9	398.0	417.2	409.2	420.7	424.5	437.3	436.6	449.1	450.2
75.0	311.2	314.4	333.2	325.3	337.5	340.0	349.7	347.2	359.1	360.4
78.0	229.9	232.4	250.5	242.4	254.6	254.7	263.4	261.1	272.1	273.4
81.0	152.1	153.3	170.0	163.3	172.6	171.8	180.2	179.3	188.6	190.8
84.0	77.33	79.39	94.60	88.66	94.23	95.74	103.2	103.2	111.9	113.7
87.0	10.53	19.50	31.78	19.84	31.39	25.47	37.40	34.00	44.09	43.23
90.0	0.0416	0.0402	0.2411	0.3917	0.2419	0.2797	0.2282	4.853	0.2337	7.521
93.0	0.0706	0.0661	0.2944	0.2994	0.2918	0.2920	0.2788	0.2756	0.2646	0.2627
96.0	0.0953	0.0965	0.3554	0.3505	0.3430	0.3396	0.3291	0.3248	0.3168	0.3136
99.0	0.1214	0.1280	0.4124	0.4035	0.3890	0.3843	0.3762	0.3721	0.3650	0.3618
102.0	0.1511	0.1584	0.4589	0.4596	0.4297	0.4264	0.4181	0.4147	0.4088	0.4023
105.0	0.1807	0.1933	0.4968	0.4929	0.4655	0.4597	0.4572	0.4505	0.4468	0.4389
108.0	0.2140	0.2303	0.5077	0.5024	0.4788	0.4711	0.4708	0.4633	0.4644	0.4538
111.0	0.2574	0.2674	0.5138	0.5061	0.4813	0.4729	0.4715	0.4668	0.4661	0.4572
114.0	0.3032	0.3150	0.5258	0.5161	0.5030	0.4764	0.4749	0.4688	0.4692	0.4582
117.0	0.3566	0.3646	0.5447	0.5395	0.5304	0.4899	0.4808	0.4798	0.4785	0.4700
120.0	0.4172	0.4217	0.5942	0.5813	0.5731	0.5241	0.5075	0.5012	0.4979	0.4881
123.0	0.4644	0.4807	0.6410	0.6352	0.6238	0.5996	0.5530	0.5494	0.5393	0.5332
126.0	0.5097	0.5274	0.6999	0.7009	0.6825	0.6809	0.6250	0.6197	0.6186	0.5967
129.0	0.5507	0.5788	0.7727	0.7792	0.7609	0.7726	0.7282	0.6964	0.6951	0.6761
132.0	0.5999	0.6185	0.8345	0.8465	0.8360	0.8569	0.8220	0.8070	0.7959	0.7849
135.0	0.6337	0.6479	0.8849	0.8999	0.9011	0.9301	0.9099	0.8861	0.8728	0.8526
138.0	0.6596	0.6780	0.9260	0.9426	0.9497	0.9765	0.9734	0.9581	0.9190	0.8947
141.0	0.6841	0.7009	0.9723	0.9805	0.9933	1.023	1.023	1.013	0.9851	0.9333
144.0	0.7028	0.7251	1.019	1.037	1.046	1.079	1.068	1.063	1.044	0.9873
147.0	0.7216	0.7495	1.074	1.096	1.091	1.129	1.116	1.103	1.093	1.055
150.0	0.7547	0.7735	1.127	1.145	1.140	1.170	1.151	1.143	1.106	1.085
153.0	0.8081	0.8122	1.178	1.204	1.219	1.209	1.192	1.180	1.142	1.130
156.0	0.8514	0.8615	1.235	1.272	1.272	1.255	1.236	1.212	1.165	1.160
159.0	0.8862	0.8978	1.299	1.311	1.307	1.313	1.281	1.256	1.207	1.192
162.0	0.9160	0.9142	1.296	1.322	1.325	1.336	1.295	1.264	1.204	1.177
165.0	0.9709	0.9628	1.298	1.332	1.344	1.352	1.321	1.268	1.217	1.208
168.0	1.032	1.026	1.302	1.349	1.368	1.368	1.336	1.267	1.240	1.211
171.0	1.035	1.041	1.300	1.345	1.353	1.354	1.323	1.234	1.217	1.212
174.0	1.129	1.134	1.295	1.322	1.340	1.317	1.293	1.238	1.182	1.221
177.0	1.178	1.183	1.268	1.271	1.295	1.280	1.270	1.196	1.171	1.170
180.0	1.167	1.187	1.210	1.221	1.225	1.232	1.202	1.153	1.146	1.124
G/C	300.0	315.0	330.0	345.0						
0.0	1674	1674	1674	1674						
3.0	1674	1674	1674	1674						
6.0	1669	1669	1669	1668						
9.0	1659	1659	1659	1658						
12.0	1646	1644	1645	1643						
15.0	1626	1625	1625	1624						
18.0	1602	1601	1601	1599						
21.0	1573	1571	1572	1569						
24.0	1539	1538	1539	1535						
27.0	1501	1499	1500	1497						
30.0	1458	1456	1457	1453						
33.0	1411	1409	1410	1406						
36.0	1359	1357	1358	1353						
39.0	1303	1300	1302	1297						
42.0	1242	1240	1241	1236						
45.0	1178	1175	1177	1172						
48.0	1109	1106	1109	1103						
51.0	1037	1034	1037	1031						
54.0	961.7	959.0	961.8	956.2						
57.0	883.6	880.5	884.1	878.2						
60.0	802.5	799.6	803.4	797.6						
63.0	718.8	716.6	720.2	715.2						
66.0	633.8	631.8	636.3	631.0						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks:

Photometric Data Table [cd]

69.0	547.8	545.7	550.9	546.2
72.0	460.3	460.2	465.5	461.0
75.0	371.9	375.2	380.8	377.2
78.0	284.4	289.7	297.8	293.3
81.0	200.0	205.5	215.2	211.8
84.0	122.1	125.4	134.3	133.7
87.0	50.10	52.87	59.13	60.50
90.0	0.2703	4.864	1.006	10.23
93.0	0.2567	0.2588	0.2533	0.2562
96.0	0.3075	0.3092	0.3052	0.3079
99.0	0.3555	0.3561	0.3538	0.3636
102.0	0.3964	0.3965	0.3983	0.4127
105.0	0.4355	0.4307	0.4326	0.4492
108.0	0.4476	0.4432	0.4408	0.4570
111.0	0.4500	0.4480	0.4588	0.4631
114.0	0.4528	0.4490	0.4775	0.4746
117.0	0.4579	0.4589	0.5003	0.4993
120.0	0.4795	0.4985	0.5375	0.5405
123.0	0.5132	0.5486	0.5662	0.5848
126.0	0.5793	0.6183	0.6261	0.6494
129.0	0.6796	0.6980	0.6988	0.7214
132.0	0.7639	0.7716	0.7716	0.7907
135.0	0.8396	0.8249	0.8329	0.8453
138.0	0.9007	0.8787	0.8748	0.8877
141.0	0.9489	0.9312	0.9320	0.9430
144.0	0.9934	0.9898	0.9828	0.9987
147.0	1.034	1.041	1.027	1.058
150.0	1.074	1.098	1.093	1.114
153.0	1.125	1.146	1.170	1.167
156.0	1.159	1.179	1.237	1.224
159.0	1.177	1.217	1.278	1.284
162.0	1.189	1.234	1.272	1.290
165.0	1.200	1.253	1.286	1.286
168.0	1.188	1.258	1.285	1.269
171.0	1.183	1.255	1.283	1.269
174.0	1.176	1.253	1.266	1.281
177.0	1.165	1.221	1.219	1.236
180.0	1.139	1.177	1.166	1.190

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.7DEG
 Operators: Alan Wang
 Test Date: 25 March 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 54.5%
 Test Distance: 2.500m [K=0.9942]
 Remarks: