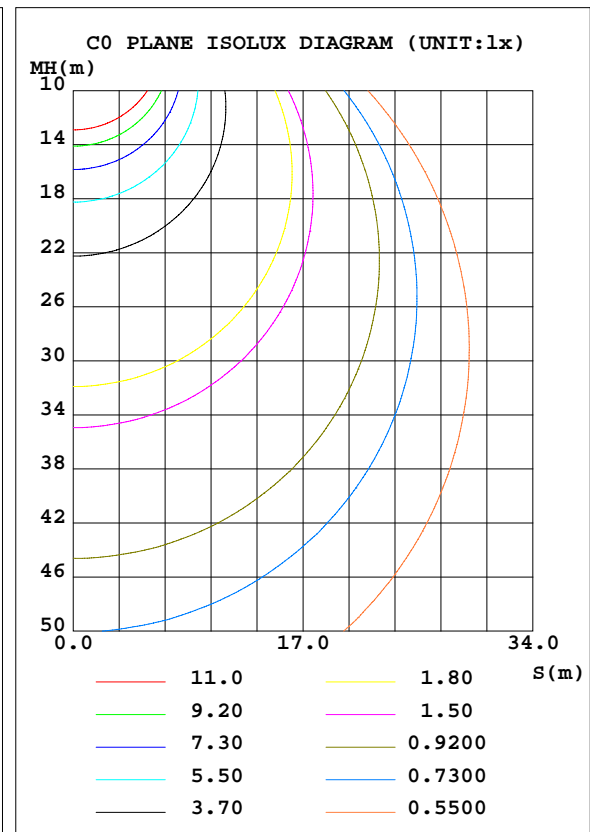
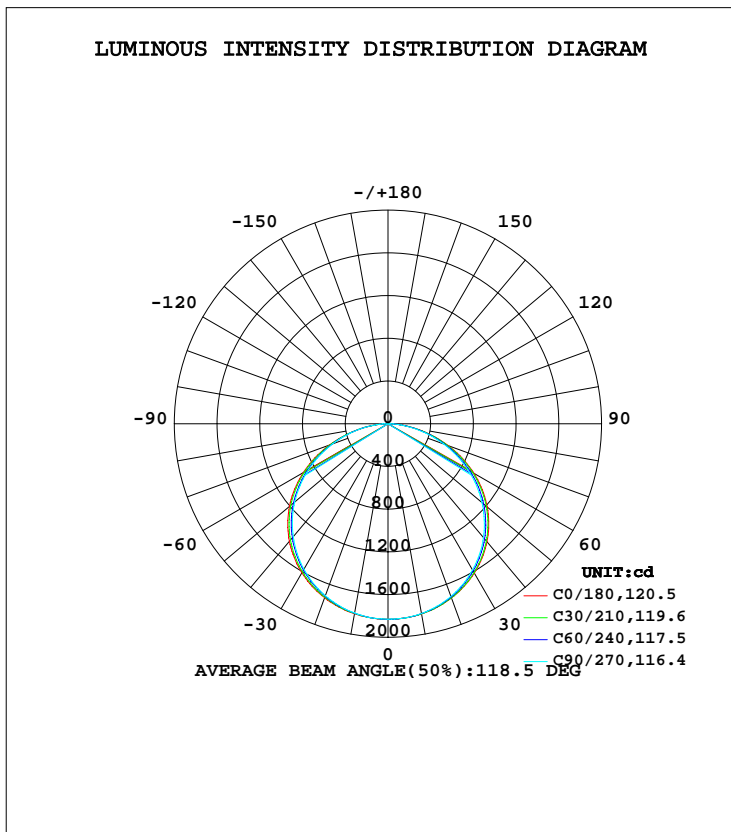


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.26 lm/W			
MODEL	ASD-BLP-24D40AC-EM-PRM	I _{max} (cd)	1832	S/MH(C0/180)	1.31
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	5605.4	η UP, DN(C0-180)	0.0,50.5
NOMINAL FLUX(lm)	5605.42	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1807	1807	1804	1808	1807	1803	1800	1798	0- 10	173.5	173.5	3.1,3.1
20	1736	1732	1721	1736	1735	1724	1715	1714	10- 20	500.5	674.0	12,12
30	1616	1603	1582	1611	1612	1592	1573	1578	20- 30	769.0	1443	25.7,25.7
40	1441	1421	1390	1430	1436	1408	1380	1389	30- 40	945.2	2388	42.6,42.6
50	1213	1186	1149	1198	1204	1171	1140	1148	40- 50	1003	3391	60.5,60.5
60	930.2	902.2	865.3	915.8	916.0	886.5	858.6	862.2	50- 60	928.5	4320	77.1,77.1
70	602.1	582.8	553.4	596.3	584.1	566.9	550.9	543.6	60- 70	726.6	5046	90,90
80	263.3	260.2	242.6	272.8	247.7	249.3	244.9	228.0	70- 80	432.2	5478	97.7,97.7
90	12.35	10.86	4.112	14.05	0.4352	0.7686	1.259	0.4454	80- 90	122.2	5601	99.9,99.9
100	0.3262	0.3114	0.3187	0.3265	0.6096	0.6024	0.6006	0.6082	90-100	1.014	5602	99.9,99.9
110	0.3992	0.3490	0.3865	0.4224	0.6514	0.6369	0.6608	0.6538	100-110	0.5278	5602	99.9,99.9
120	0.5498	0.4176	0.4861	0.5489	0.7413	0.6718	0.6777	0.7016	110-120	0.5388	5603	100,100
130	0.7078	0.5752	0.6154	0.7112	0.9265	0.9499	0.9515	0.8909	120-130	0.6121	5603	100,100
140	0.7966	0.6914	0.7420	0.7932	0.9708	1.025	1.091	0.9876	130-140	0.6566	5604	100,100
150	0.8303	0.7074	0.6478	0.7679	1.035	1.012	1.011	1.017	140-150	0.5515	5605	100,100
160	0.9847	0.8123	0.6385	0.8525	1.171	1.098	0.9723	1.015	150-160	0.4150	5605	100,100
170	1.154	1.073	0.9105	1.106	1.236	1.317	1.196	1.112	160-170	0.2937	5605	100,100
180	1.204	1.223	1.185	1.136	1.210	1.243	1.211	1.166	170-180	0.1125	5605	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2890.5 lm

%lum = 51.6%

%lamp = 51.6%

Conical surface Flux(120deg): 4319.6 lm

%lum = 77.1%

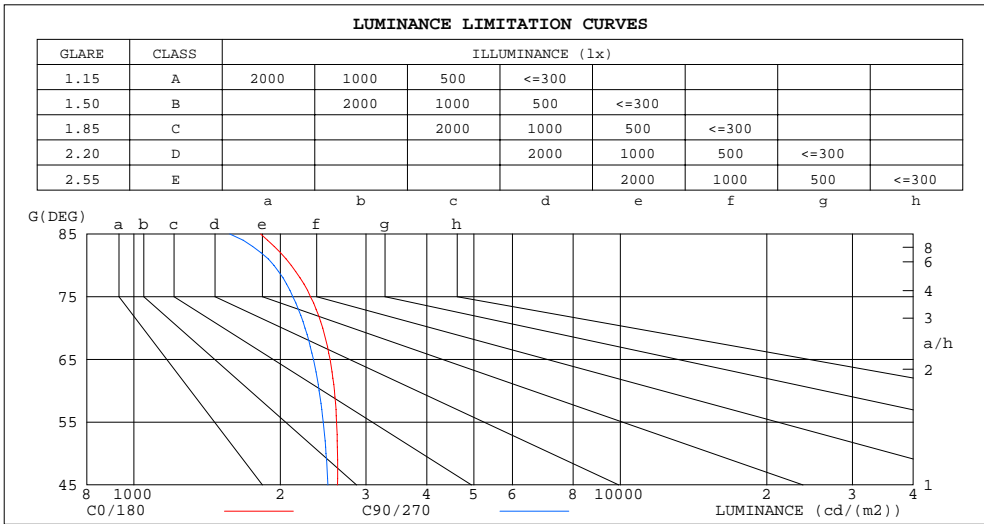
%lamp = 77.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1822	1574
80	2106	1941
75	2307	2123
70	2445	2247
65	2533	2340
60	2584	2404
55	2610	2450
50	2621	2483
45	2621	2505

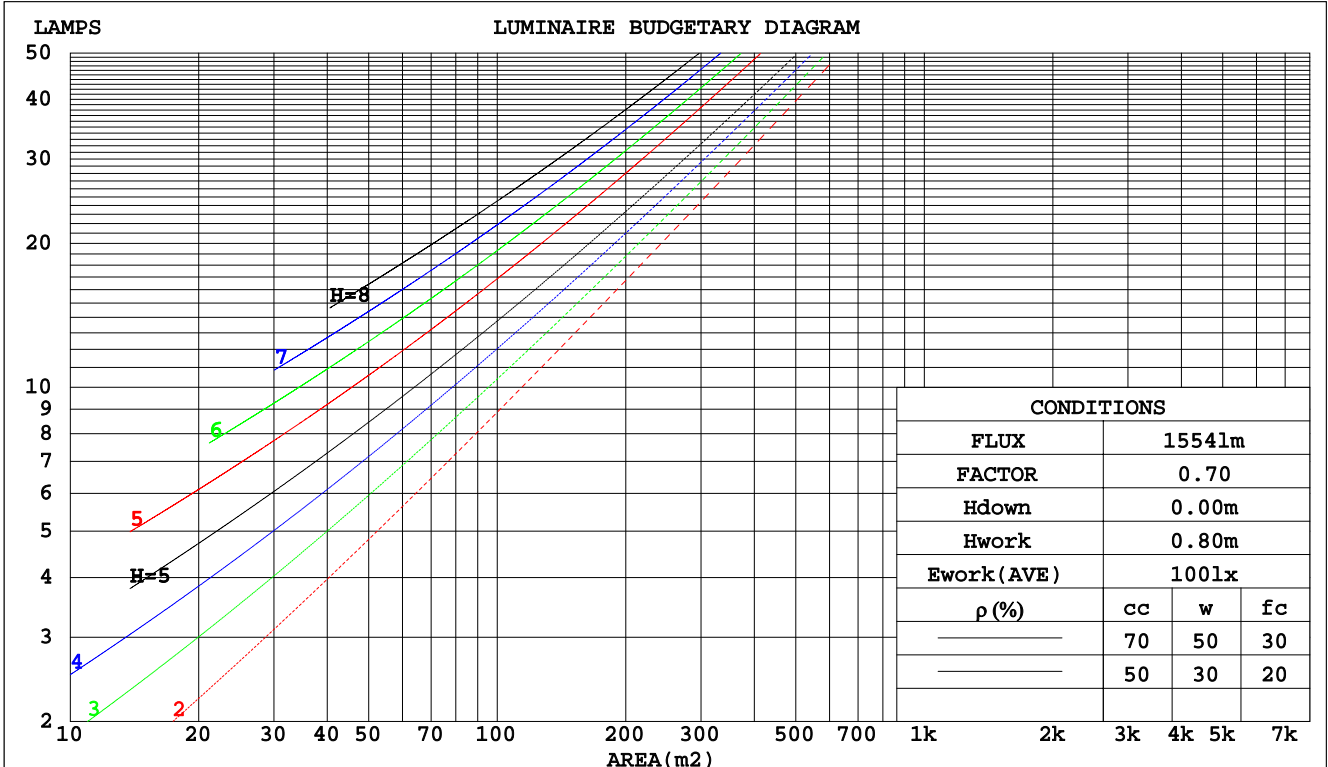
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																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	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.78	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.64	.59	.57
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.63	.57	.51	.61	.55	.51	.49
5.0	.62	.52	.46	.61	.52	.45	.58	.51	.45	.56	.50	.44	.54	.49	.44	.42
6.0	.55	.46	.40	.54	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

WEC AND CCEC

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	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	.319	.182	.058	.312	.178	.057	.299	.171	.055	.286	.165	.053	.275	.159	.051	
2.0	.299	.164	.050	.293	.161	.050	.281	.156	.049	.270	.152	.047	.260	.147	.046	
3.0	.276	.147	.044	.270	.145	.044	.260	.141	.043	.250	.137	.042	.241	.134	.041	
4.0	.254	.132	.039	.249	.130	.039	.240	.127	.038	.231	.124	.037	.223	.121	.037	
5.0	.234	.119	.035	.230	.118	.034	.222	.115	.034	.214	.113	.034	.207	.111	.033	
6.0	.217	.109	.031	.213	.108	.031	.206	.105	.031	.199	.103	.030	.192	.101	.030	
7.0	.202	.100	.028	.198	.099	.028	.192	.097	.028	.185	.095	.028	.180	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.026	.174	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.154	.076	.022	.149	.075	.022	

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	.182	.157	.134	.155	.134	.116	.106	.093	.080	.061	.054	.046	.020	.017	.015	
2.0	.174	.133	.098	.149	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.074	.143	.099	.064	.098	.069	.045	.057	.040	.027	.018	.013	.009	
4.0	.159	.102	.058	.136	.088	.051	.094	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.047	.130	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.083	.039	.124	.072	.034	.085	.050	.024	.050	.030	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.131	.070	.029	.112	.061	.025	.078	.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	.119	.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: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K					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	15.7	17.4	16.1	17.7	18.0	15.3	17.0	15.7	17.3	17.6
3H	17.7	19.2	18.0	19.5	19.9	17.2	18.7	17.6	19.0	19.4
4H	18.4	19.8	18.8	20.2	20.6	17.9	19.3	18.3	19.7	20.1
6H	19.0	20.3	19.4	20.6	21.0	18.4	19.8	18.8	20.1	20.5
8H	19.1	20.4	19.6	20.8	21.2	18.6	19.9	19.0	20.3	20.7
12H	19.3	20.5	19.7	20.9	21.3	18.7	19.9	19.1	20.3	20.7
4H 2H	16.3	17.8	16.7	18.1	18.5	16.1	17.5	16.5	17.9	18.2
3H	18.5	19.7	18.9	20.1	20.5	18.2	19.4	18.6	19.8	20.2
4H	19.4	20.5	19.8	20.9	21.3	19.0	20.1	19.5	20.5	21.0
6H	20.1	21.1	20.6	21.5	21.9	19.7	20.6	20.1	21.1	21.5
8H	20.3	21.2	20.8	21.7	22.1	19.9	20.8	20.4	21.2	21.7
12H	20.5	21.3	21.0	21.8	22.3	20.0	20.8	20.5	21.3	21.8
8H 4H	19.7	20.6	20.2	21.1	21.5	19.4	20.3	19.9	20.8	21.2
6H	20.6	21.3	21.1	21.8	22.3	20.3	21.0	20.7	21.5	22.0
8H	20.9	21.5	21.4	22.1	22.5	20.5	21.2	21.1	21.7	22.2
12H	21.1	21.7	21.6	22.2	22.8	20.8	21.3	21.3	21.8	22.4
12H 4H	19.8	20.6	20.3	21.1	21.5	19.5	20.3	20.0	20.8	21.2
6H	20.6	21.3	21.2	21.8	22.3	20.4	21.0	20.9	21.5	22.0
8H	21.0	21.6	21.5	22.1	22.6	20.7	21.3	21.2	21.8	22.3
CIE190: 2010										

CIE190: 2010
Area: 0.72 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 21 December 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 47.4%
Test Distance: 2.500m [K=1.0459]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

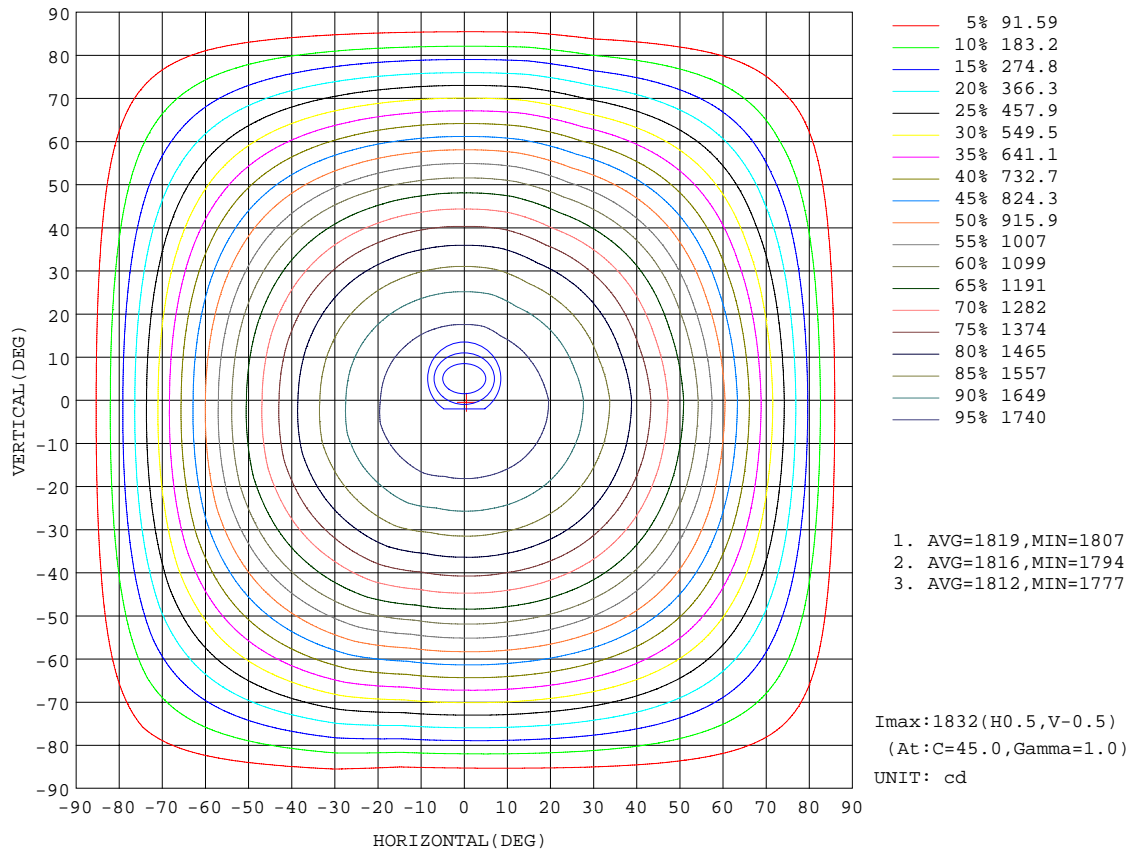
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	37	56	44	37	54	44	37	31
0.80	66	55	47	65	54	47	64	53	46	39
1.00	75	63	56	74	63	56	71	64	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	89	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	103	98	94	99	95	91	82
5.00	108	103	99	106	101	97	101	98	94	85
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: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

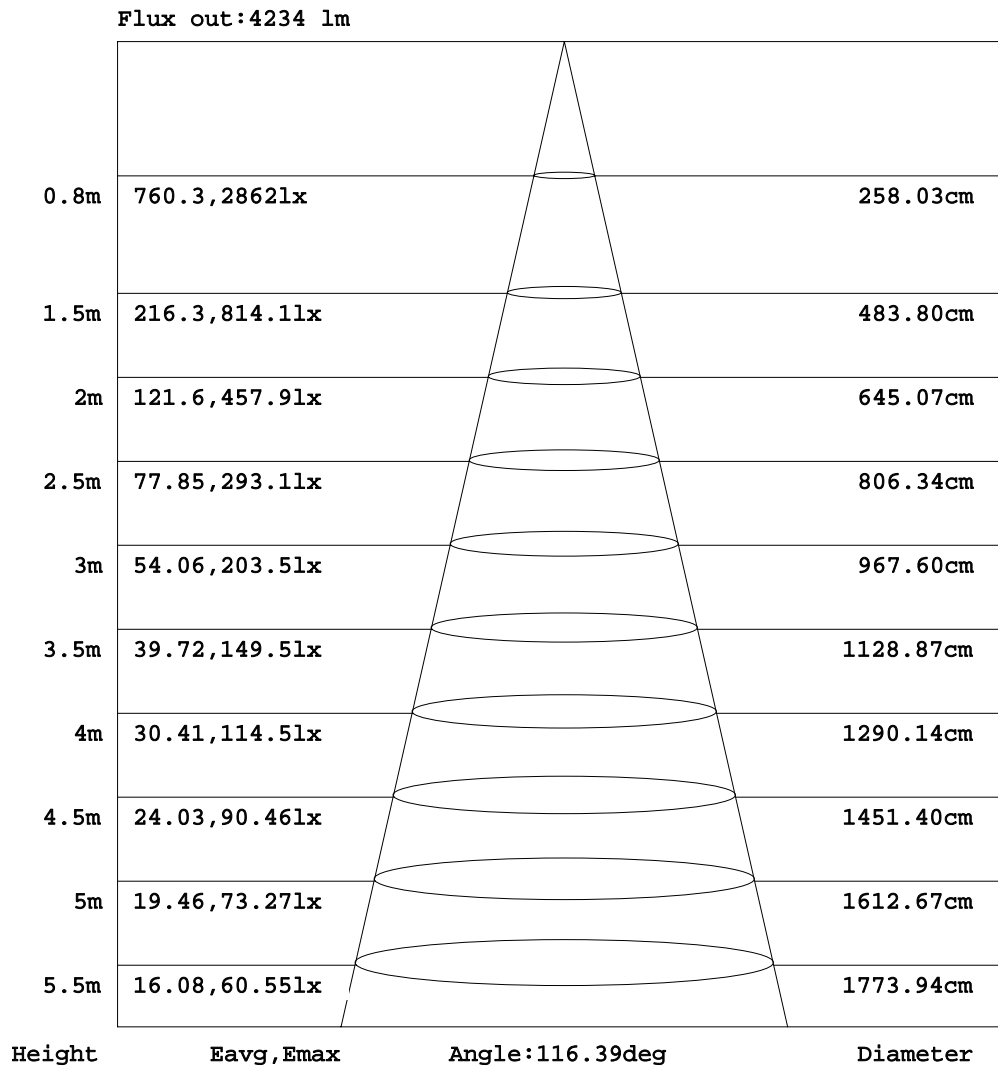


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

AAI Figure

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



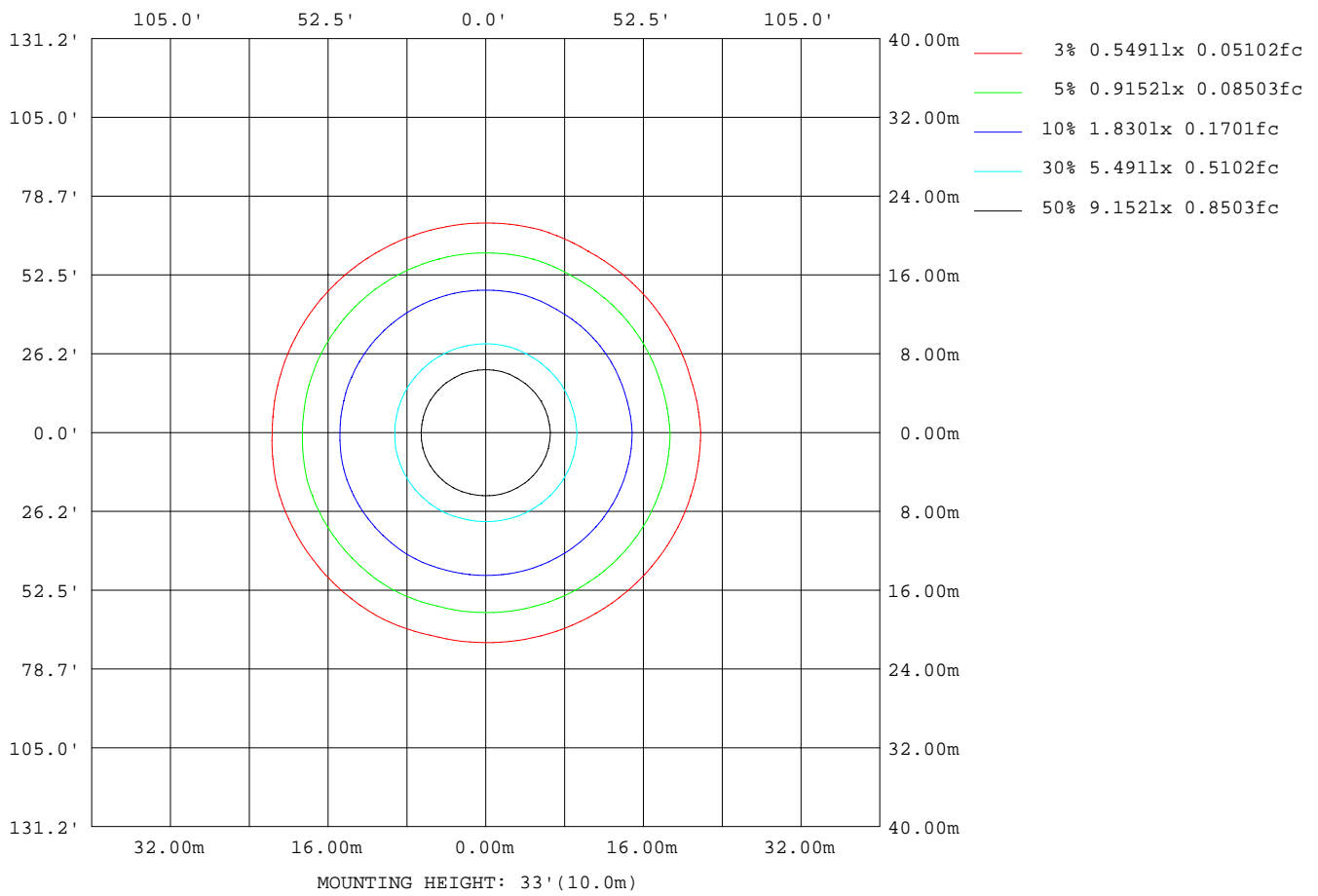
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LED Avg.L Report

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

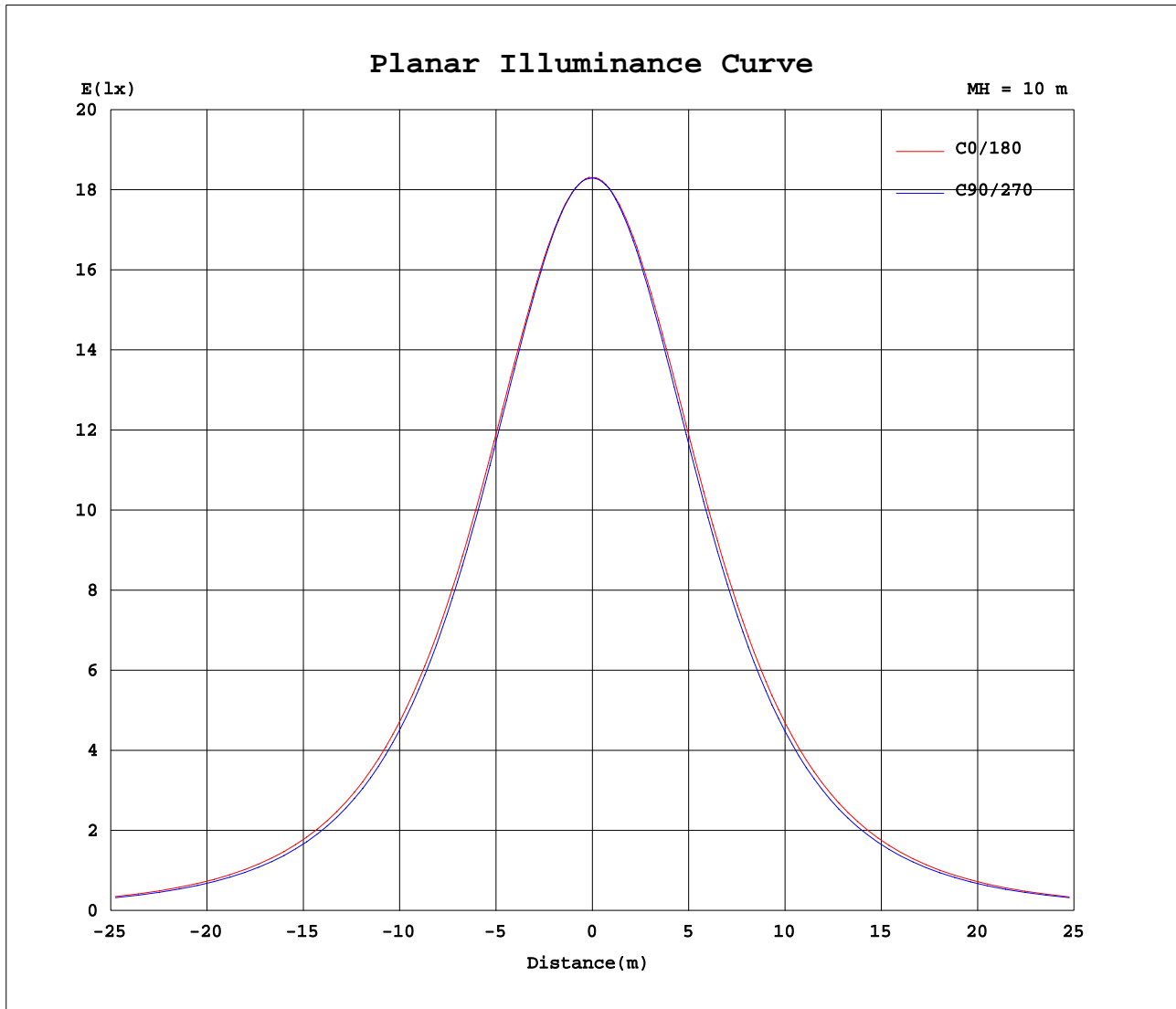
AvgL	cd/m2
L_0~180(65)av	2505
L_0~180(75)av	2258
L_0~180(85)av	1709
L_90~270(65)av	2331
L_90~270(75)av	2122
L_90~270(85)av	1606
L_45(65)av	2416
L_45(75)av	2198
L_45(85)av	1701

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 47.4%
Test Distance: 2.500m [K=1.0459]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	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	1830	1831	1831	1831	1831	1832	1830	1829	1829	1830	1829	1831	1830	1831	1831	1831	1831	1832	1830
5	1824	1826	1826	1826	1825	1824	1825	1823	1827	1826	1826	1826	1824	1824	1824	1823	1823	1823	1824
10	1807	1808	1808	1807	1805	1804	1804	1804	1808	1808	1810	1810	1807	1807	1804	1803	1801	1801	1800
15	1779	1779	1777	1775	1774	1770	1769	1769	1778	1779	1782	1781	1777	1777	1774	1771	1767	1765	1763
20	1736	1737	1735	1732	1727	1723	1721	1722	1734	1736	1739	1742	1735	1733	1729	1724	1719	1716	1715
25	1683	1682	1679	1674	1666	1660	1659	1659	1675	1680	1684	1689	1680	1678	1672	1664	1657	1653	1651
30	1616	1615	1610	1603	1593	1585	1582	1583	1604	1611	1617	1623	1612	1609	1601	1592	1583	1576	1573
35	1535	1535	1528	1519	1506	1497	1492	1494	1519	1528	1537	1544	1531	1528	1517	1507	1495	1488	1483
40	1441	1441	1433	1421	1407	1396	1390	1392	1420	1430	1441	1449	1436	1433	1421	1408	1393	1385	1380
45	1334	1333	1324	1310	1294	1282	1275	1279	1310	1322	1334	1343	1327	1323	1311	1296	1280	1271	1266
50	1213	1211	1202	1186	1169	1156	1149	1152	1185	1198	1212	1222	1204	1200	1187	1171	1154	1144	1140
55	1078	1076	1066	1050	1034	1018	1012	1013	1050	1062	1076	1087	1067	1062	1050	1034	1018	1007	1004
60	930	928	917	902	886	873	865	867	903	916	929	939	916	912	902	887	871	862	859
65	771	768	759	746	731	719	712	712	749	760	770	779	754	750	742	730	717	708	706
70	602	600	592	583	571	560	553	554	589	596	604	611	584	581	576	567	558	552	551
75	430	430	425	418	410	401	396	395	428	433	436	440	412	411	410	405	399	396	395
80	263	264	263	260	255	248	243	241	270	273	274	274	248	249	250	249	247	245	245
85	114	116	116	114	109	103	98.8	96.7	123	123	125	125	100	102	106	105	103	102	103
90	12.4	13.1	12.4	10.9	9.15	7.33	4.11	3.10	14.4	14.1	14.7	15.9	0.44	0.47	0.81	0.77	0.76	0.90	1.26
95	0.28	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.27	0.28	0.28	0.27	0.52	0.52	0.52	0.52	0.52	0.52	0.51
100	0.33	0.32	0.31	0.31	0.32	0.32	0.32	0.33	0.32	0.33	0.33	0.32	0.61	0.60	0.60	0.60	0.61	0.60	0.60
105	0.36	0.35	0.33	0.33	0.35	0.35	0.35	0.36	0.37	0.37	0.37	0.36	0.67	0.65	0.64	0.65	0.66	0.66	0.66
110	0.40	0.37	0.35	0.35	0.36	0.38	0.39	0.40	0.41	0.42	0.42	0.40	0.65	0.63	0.63	0.64	0.65	0.65	0.66
115	0.47	0.41	0.39	0.36	0.38	0.41	0.43	0.46	0.47	0.48	0.47	0.46	0.65	0.62	0.62	0.62	0.63	0.64	0.66
120	0.55	0.47	0.45	0.42	0.42	0.46	0.49	0.51	0.53	0.55	0.55	0.53	0.74	0.69	0.68	0.67	0.65	0.65	0.68
125	0.63	0.56	0.51	0.49	0.49	0.51	0.54	0.58	0.61	0.64	0.63	0.62	0.85	0.83	0.81	0.81	0.77	0.76	0.77
130	0.71	0.64	0.59	0.58	0.58	0.60	0.62	0.65	0.69	0.71	0.69	0.69	0.93	0.92	0.93	0.95	0.94	0.94	0.95
135	0.77	0.72	0.66	0.64	0.65	0.68	0.70	0.73	0.76	0.76	0.75	0.75	0.97	0.97	0.98	1.03	1.05	1.06	1.07
140	0.80	0.77	0.73	0.69	0.69	0.72	0.74	0.75	0.80	0.79	0.77	0.78	0.97	0.96	0.98	1.03	1.06	1.09	1.09
145	0.80	0.80	0.75	0.70	0.68	0.71	0.71	0.73	0.78	0.77	0.77	0.78	0.98	0.96	0.97	1.00	1.02	1.06	1.07
150	0.83	0.82	0.76	0.71	0.66	0.67	0.65	0.68	0.74	0.77	0.76	0.79	1.04	1.01	0.98	1.01	0.99	1.00	1.01
155	0.88	0.89	0.83	0.74	0.67	0.70	0.64	0.69	0.76	0.78	0.81	0.83	1.07	1.07	1.05	1.03	1.01	0.99	0.95
160	0.98	0.98	0.89	0.81	0.69	0.70	0.64	0.72	0.80	0.85	0.89	0.95	1.17	1.17	1.13	1.10	1.07	1.02	0.97
165	1.08	1.08	1.01	0.96	0.83	0.81	0.76	0.84	0.95	1.01	1.05	1.08	1.20	1.21	1.24	1.22	1.21	1.14	1.08
170	1.15	1.17	1.14	1.07	0.93	0.92	0.91	0.94	1.05	1.11	1.15	1.17	1.24	1.24	1.29	1.32	1.33	1.27	1.20
175	1.21	1.24	1.23	1.21	1.10	1.11	1.08	1.06	1.13	1.17	1.17	1.19	1.25	1.24	1.29	1.30	1.32	1.33	1.26
180	1.20	1.24	1.24	1.22	1.19	1.20	1.18	1.14	1.17	1.14	1.14	1.17	1.21	1.21	1.25	1.24	1.23	1.21	1.21

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.28V I:0.3367A P:40.250W PF:0.9940 Freq:60.01Hz Lamp Flux:5605.42x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-24D40AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1829	1829	1830	1829	1831														
5	1823	1820	1819	1820	1822														
10	1801	1796	1798	1800	1803														
15	1764	1761	1763	1765	1770														
20	1716	1709	1714	1719	1725														
25	1653	1644	1652	1659	1667														
30	1576	1568	1578	1588	1597														
35	1487	1478	1490	1503	1515														
40	1384	1375	1389	1404	1418														
45	1270	1259	1275	1293	1307														
50	1144	1132	1148	1167	1183														
55	1008	994	1011	1030	1045														
60	862	846	862	880	895														
65	711	691	705	722	734														
70	554	532	544	556	566														
75	398	375	383	391	396														
80	247	222	228	233	235														
85	104	81.5	84.9	89.4	90.7														
90	0.93	0.45	0.45	0.46	0.43														
95	0.51	0.53	0.53	0.52	0.52														
100	0.60	0.61	0.61	0.60	0.61														
105	0.66	0.66	0.66	0.66	0.65														
110	0.66	0.66	0.65	0.65	0.64														
115	0.66	0.66	0.66	0.65	0.64														
120	0.68	0.68	0.70	0.71	0.73														
125	0.76	0.77	0.79	0.79	0.83														
130	0.92	0.92	0.89	0.88	0.90														
135	1.02	0.98	0.95	0.94	0.93														
140	1.04	1.02	0.99	0.97	0.96														
145	1.03	1.01	1.01	0.99	0.98														
150	1.00	0.99	1.02	1.02	1.04														
155	0.95	0.97	0.99	1.07	1.07														
160	0.96	0.98	1.02	1.10	1.13														
165	1.02	1.04	1.07	1.14	1.18														
170	1.15	1.15	1.11	1.18	1.22														
175	1.26	1.25	1.13	1.22	1.20														
180	1.19	1.12	1.17	1.15	1.15														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 21 December 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.4%
 Test Distance: 2.500m [K=1.0459]
 Remarks: