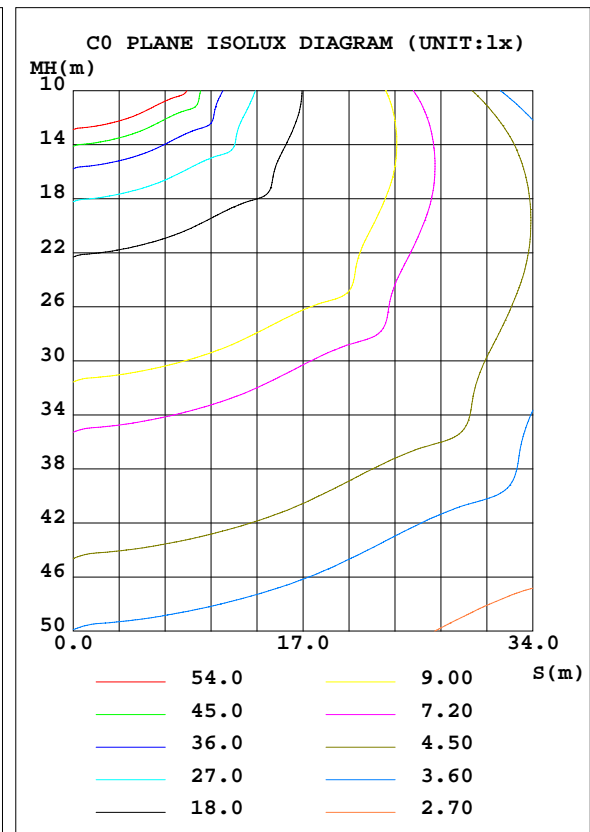
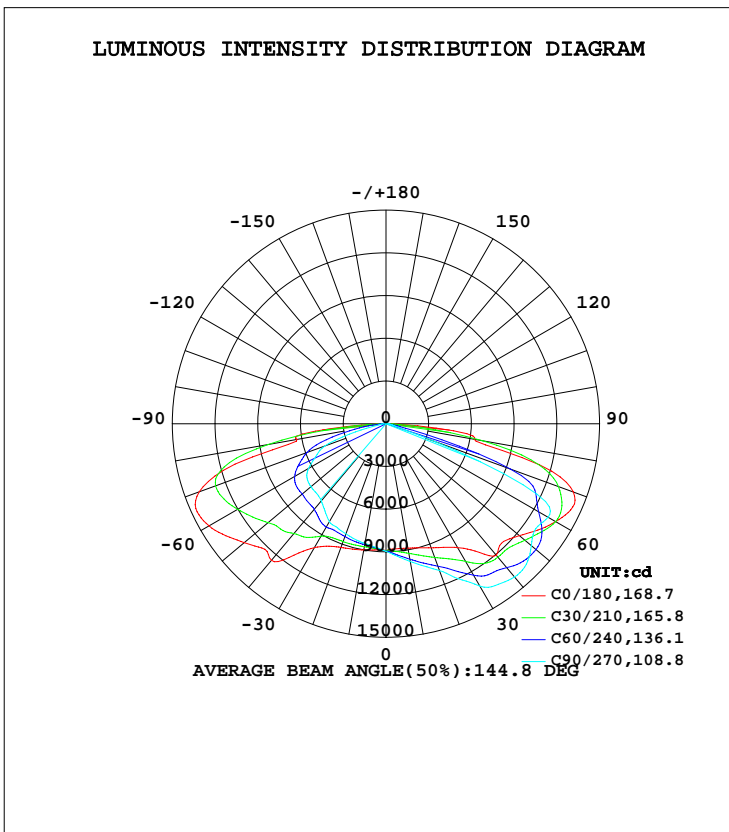


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.01 lm/W			
MODEL ASD-LSB2-400D50B-PRM		I _{max} (cd)	15120	S/MH(C0/180)	1.96
NOMINAL POWER(W)	400	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	54800	η UP, DN(C0-180)	0.0,54.9
NOMINAL FLUX(lm)	54800	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,44.9
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120	η down(%)	99.8	CIBSE SHR MAX	1.75



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	887.2	948.7	982.4	950.8	899.9	869.2	854.0	857.8	0- 10	857.4	857.4	1.58,1.58
20	926.8	1037	1097	1028	924.6	862.1	823.0	849.5	10- 20	2622	3480	6.43,6.43
30	1004	1169	1316	1175	1005	873.6	794.1	860.1	20- 30	4541	8021	14.8,14.8
40	1205	1239	1405	1256	1252	870.4	707.8	860.7	30- 40	6742	14762	27.3,27.3
50	1223	1321	1332	1344	1299	874.4	688.4	857.9	40- 50	8619	23381	43.2,43.2
60	1375	1334	1314	1359	1435	909.5	626.7	887.7	50- 60	10295	33677	62.2,62.2
70	1399	1150	371.8	1158	1395	843.6	457.9	848.1	60- 70	11014	44691	82.6,82.6
80	629.2	157.6	41.06	147.3	634.7	451.9	51.12	497.6	70- 80	7250	51941	96,96
90	15.30	0.6055	0.3996	3.475	29.18	21.98	5.906	25.82	80- 90	2062	54003	99.8,99.8
100	0.6978	0.4720	0.2823	0.5190	1.216	0.9631	0.7528	1.035	90-100	50.03	54053	99.9,99.9
110	0.8257	0.5665	0.3547	0.6485	1.157	1.082	0.9764	1.106	100-110	8.465	54062	99.9,99.9
120	0.9774	0.6456	0.4625	0.7511	1.129	1.097	1.008	1.060	110-120	8.483	54070	99.9,99.9
130	1.009	0.6969	0.5495	0.7827	1.205	1.251	1.159	1.167	120-130	8.357	54079	100,100
140	0.8803	0.7046	0.6385	0.7668	1.081	1.299	1.201	1.155	130-140	7.633	54086	100,100
150	0.7750	0.7288	0.7158	0.7840	1.058	1.229	1.184	1.102	140-150	6.052	54092	100,100
160	0.8473	0.8432	0.7811	0.9140	1.144	1.248	1.139	1.157	150-160	4.566	54097	100,100
170	0.9049	0.9704	0.8979	0.9698	1.144	1.219	1.124	1.107	160-170	2.960	54100	100,100
180	0.9512	0.9512	0.9512	0.9512	1.004	1.004	1.004	1.004	170-180	1.008	54101	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 18858 lm

%lum = 34.9%

%lamp = 34.9%

Conical surface Flux(120deg): 33677 lm

%lum = 62.2%

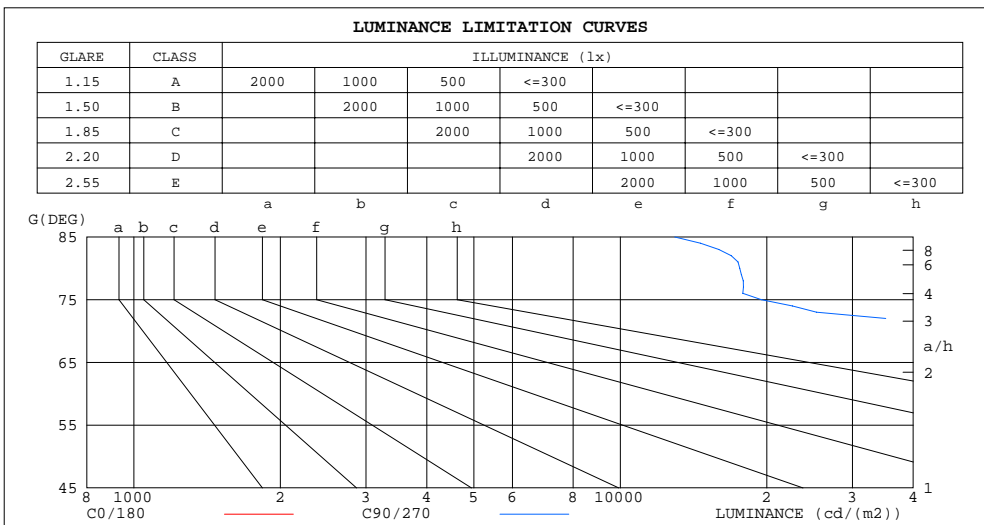
%lamp = 62.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	301592	12938
80	269582	17594
75	320435	19504
70	304395	80878
65	252015	205981
60	204585	195528
55	168938	166554
50	141597	154232
45	123058	146726

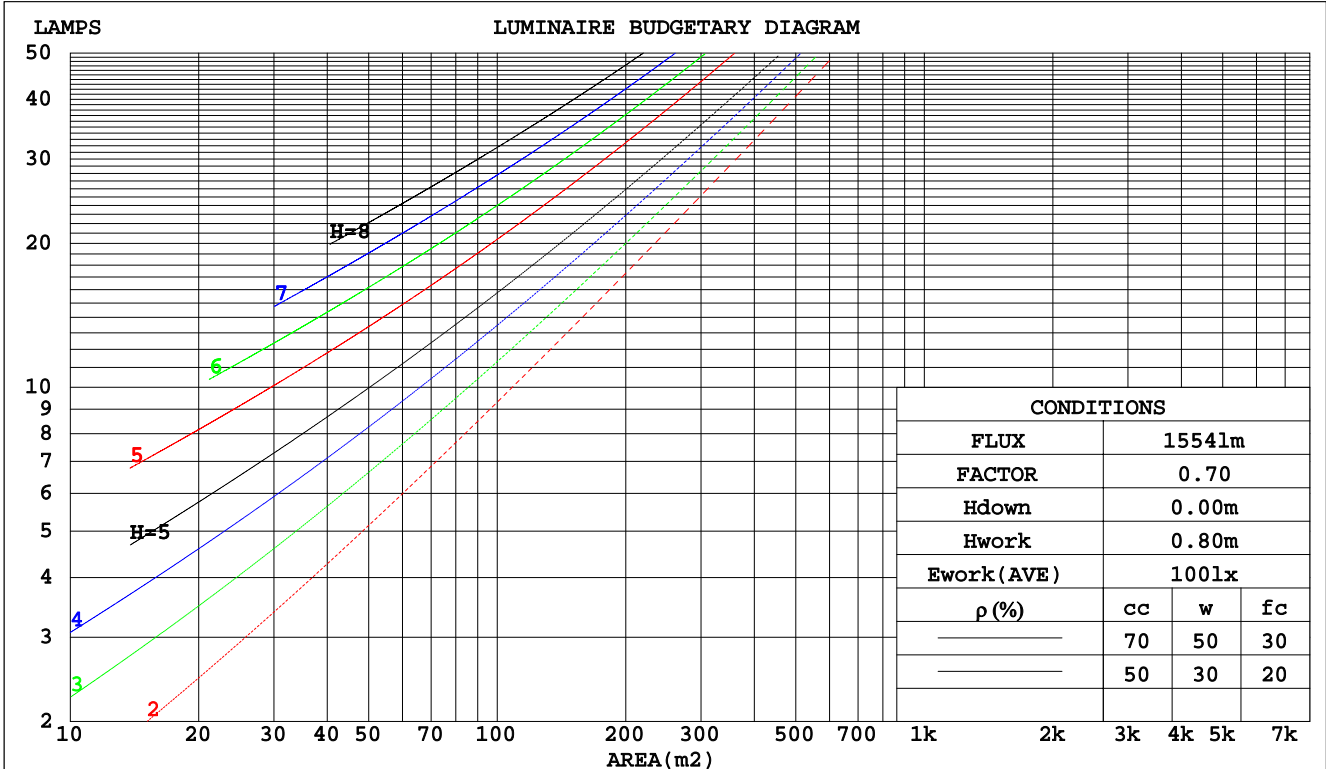
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	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	.00	.94	.89	.97	.92	.88	.93	.89	.85	.89	.85	.82	.85	.82	.80	.77
2.0	.84	.75	.68	.82	.74	.67	.78	.71	.65	.74	.69	.64	.71	.66	.62	.60
3.0	.71	.61	.53	.69	.60	.53	.66	.58	.52	.63	.56	.51	.60	.55	.50	.47
4.0	.61	.51	.43	.60	.50	.43	.57	.49	.42	.55	.47	.41	.52	.46	.41	.38
5.0	.54	.43	.35	.52	.43	.35	.50	.41	.35	.48	.40	.34	.46	.39	.34	.31
6.0	.47	.37	.30	.46	.37	.30	.44	.36	.29	.43	.35	.29	.41	.34	.29	.26
7.0	.42	.32	.26	.41	.32	.25	.40	.31	.25	.38	.31	.25	.37	.30	.25	.22
8.0	.38	.29	.22	.37	.28	.22	.36	.28	.22	.35	.27	.22	.33	.27	.21	.19
9.0	.35	.26	.19	.34	.25	.19	.33	.25	.19	.32	.24	.19	.31	.24	.19	.17
10.0	.32	.23	.17	.31	.23	.17	.30	.22	.17	.29	.22	.17	.28	.22	.17	.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	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	.391	.222	.070	.383	.219	.069	.370	.212	.068	.357	.206	.066	.345	.200	.065	
2.0	.358	.196	.060	.351	.193	.060	.339	.188	.058	.327	.184	.057	.317	.179	.056	
3.0	.323	.172	.052	.317	.170	.051	.306	.166	.050	.296	.162	.050	.286	.159	.049	
4.0	.292	.152	.045	.287	.150	.044	.277	.147	.044	.268	.144	.043	.259	.141	.043	
5.0	.266	.135	.039	.261	.134	.039	.252	.131	.039	.244	.129	.038	.236	.126	.038	
6.0	.243	.122	.035	.239	.121	.035	.231	.118	.034	.223	.116	.034	.217	.114	.034	
7.0	.223	.110	.031	.219	.109	.031	.212	.107	.031	.206	.106	.031	.200	.104	.031	
8.0	.206	.101	.028	.203	.100	.028	.197	.098	.028	.191	.097	.028	.185	.095	.028	
9.0	.191	.093	.026	.189	.092	.026	.183	.090	.026	.178	.089	.025	.173	.088	.025	
10.0	.179	.086	.024	.176	.085	.024	.171	.084	.024	.166	.083	.023	.162	.081	.023	

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.187	.157	.129	.160	.135	.111	.110	.093	.077	.063	.054	.045	.020	.017	.014	
2.0	.182	.133	.091	.156	.114	.079	.107	.079	.055	.062	.046	.032	.020	.015	.011	
3.0	.176	.116	.068	.151	.100	.059	.104	.070	.041	.060	.041	.024	.019	.013	.008	
4.0	.169	.103	.053	.145	.089	.046	.100	.062	.033	.058	.036	.019	.019	.012	.006	
5.0	.161	.093	.043	.138	.081	.038	.095	.056	.027	.055	.033	.016	.018	.011	.005	
6.0	.154	.085	.036	.132	.074	.032	.091	.052	.022	.053	.030	.013	.017	.010	.004	
7.0	.146	.079	.031	.126	.068	.027	.087	.048	.019	.050	.028	.012	.016	.009	.004	
8.0	.139	.073	.028	.120	.063	.024	.083	.044	.017	.048	.026	.010	.016	.009	.003	
9.0	.132	.068	.025	.114	.059	.021	.079	.041	.015	.046	.024	.009	.015	.008	.003	
10.0	.126	.064	.022	.108	.055	.019	.075	.039	.014	.044	.023	.008	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
ASD-LSB2-400D50B-PRM					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	31.7	33.6	32.1	33.9	34.2	31.2	33.0	31.5	33.4	33.7
3H	35.7	37.4	36.1	37.8	38.1	32.8	34.5	33.2	34.8	35.2
4H	37.2	38.8	37.6	39.1	39.5	32.8	34.4	33.2	34.7	35.1
6H	37.8	39.4	38.2	39.7	40.1	32.7	34.2	33.1	34.6	35.0
8H	38.2	39.6	38.6	40.0	40.4	32.7	34.2	33.1	34.6	35.0
12H	38.5	39.9	38.9	40.3	40.7	32.7	34.1	33.1	34.5	34.9
4H 2H	32.6	34.3	33.0	34.6	35.0	32.3	33.9	32.7	34.3	34.7
3H	36.7	38.1	37.1	38.5	38.9	34.2	35.6	34.6	36.0	36.4
4H	38.4	39.7	38.8	40.1	40.5	34.2	35.4	34.6	35.9	36.3
6H	39.2	40.3	39.6	40.8	41.2	34.1	35.3	34.6	35.7	36.2
8H	39.6	40.6	40.0	41.1	41.5	34.1	35.2	34.6	35.6	36.1
12H	40.0	40.9	40.4	41.4	41.9	34.1	35.1	34.6	35.6	36.0
8H 4H	38.6	39.7	39.1	40.1	40.6	34.9	36.0	35.4	36.4	36.9
6H	39.7	40.5	40.1	41.0	41.5	34.9	35.8	35.4	36.3	36.8
8H	40.1	40.9	40.6	41.4	41.9	34.9	35.7	35.4	36.2	36.7
12H	40.6	41.3	41.1	41.8	42.4	34.9	35.6	35.4	36.1	36.7
12H 4H	38.6	39.6	39.1	40.1	40.5	35.1	36.0	35.5	36.5	37.0
6H	39.7	40.5	40.2	40.9	41.5	35.0	35.9	35.6	36.3	36.8
8H	40.2	40.9	40.7	41.4	41.9	35.0	35.7	35.5	36.2	36.8
CIE190: 2010										

CIE190: 2010
Area: 0.1344 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Temperature: 25.1DEG	Humidity: 52.0%
Operators:Alan Wang	Test Distance:2.500m [K=1.0469]
Test Date:19 July 2021	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

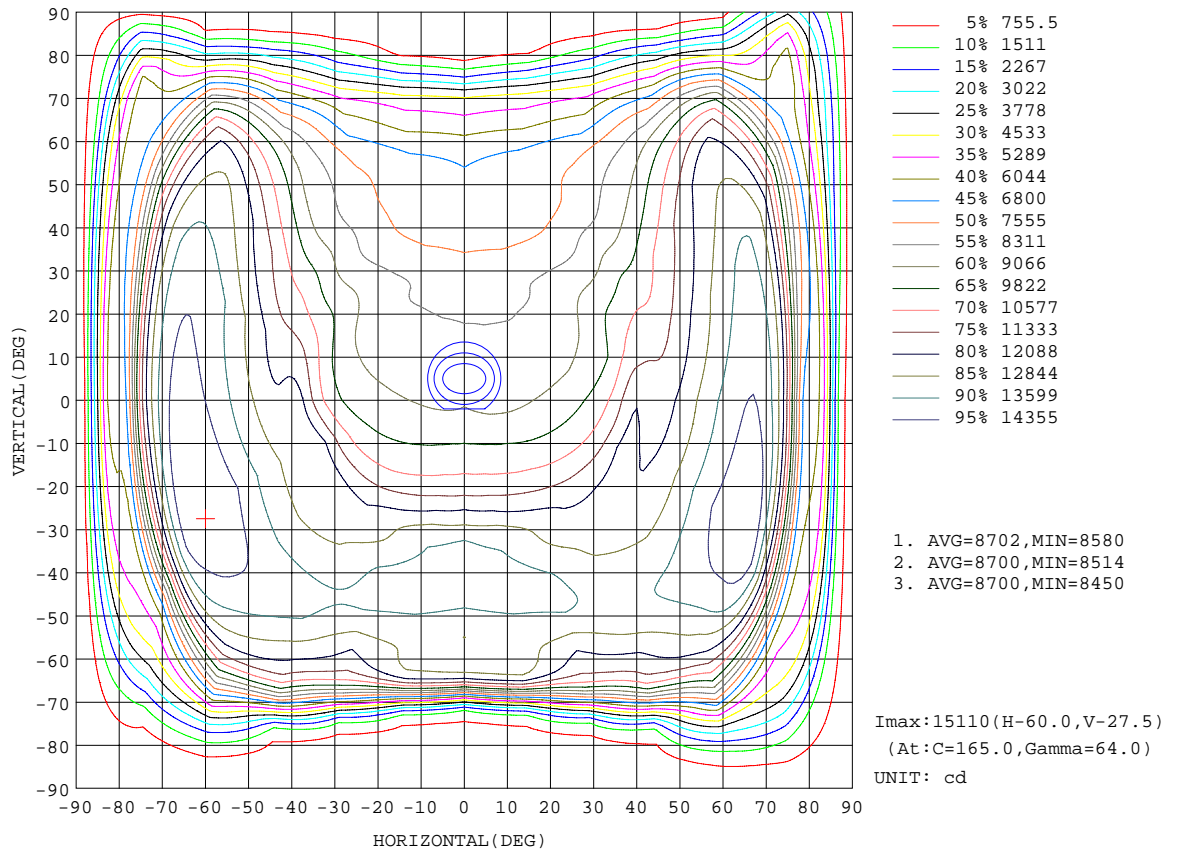
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	35	27	47	35	27	46	34	27	19
0.80	58	44	35	57	44	35	55	43	35	27
1.00	66	53	44	65	52	44	62	54	43	35
1.25	74	61	52	72	60	52	69	59	51	42
1.50	80	67	58	78	66	58	74	64	57	48
2.00	88	77	69	86	76	68	82	73	66	57
2.50	93	83	75	91	82	74	86	79	73	63
3.00	97	88	81	95	87	80	90	84	78	68
4.00	102	95	89	100	93	88	95	90	85	75
5.00	105	99	94	103	97	93	98	94	90	80
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: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

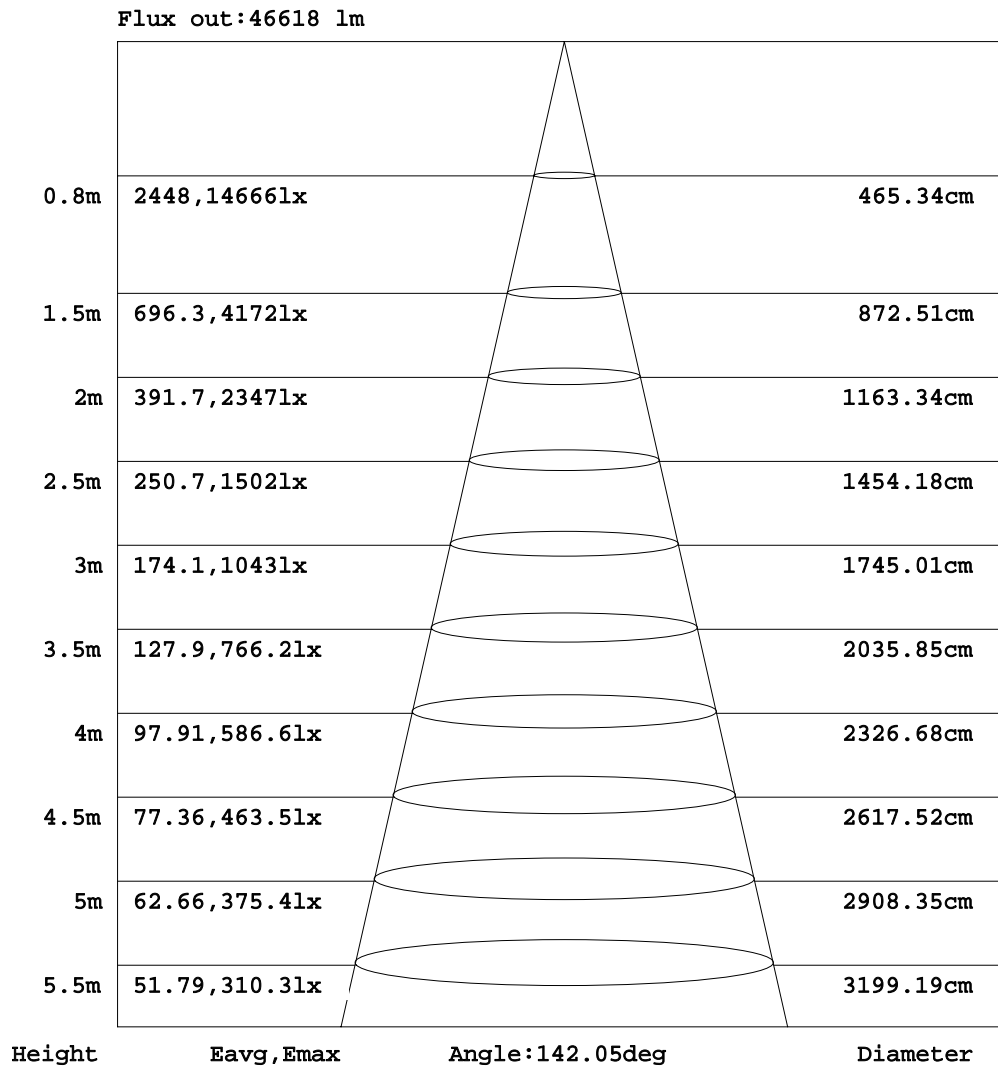


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

AAI Figure

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



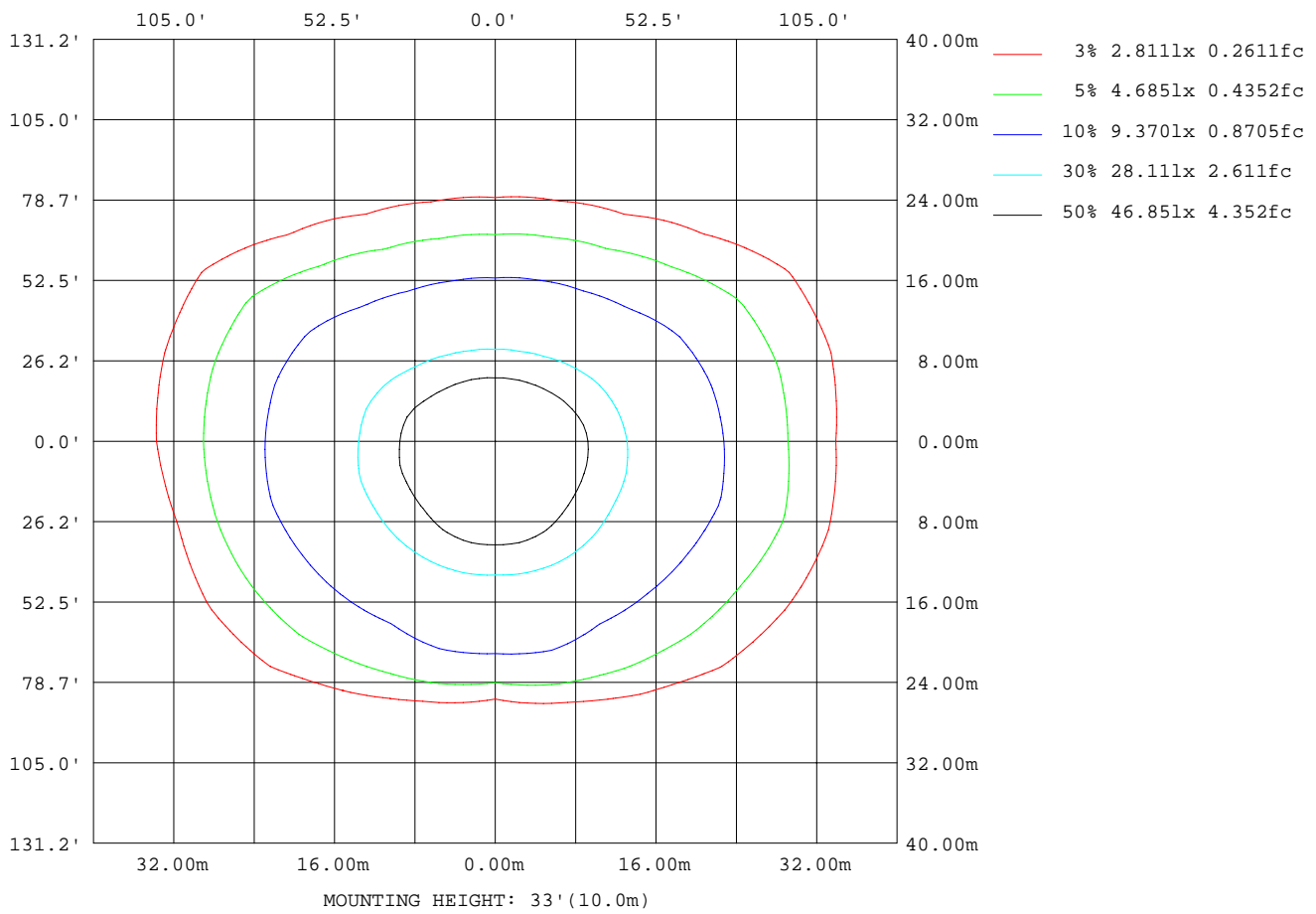
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

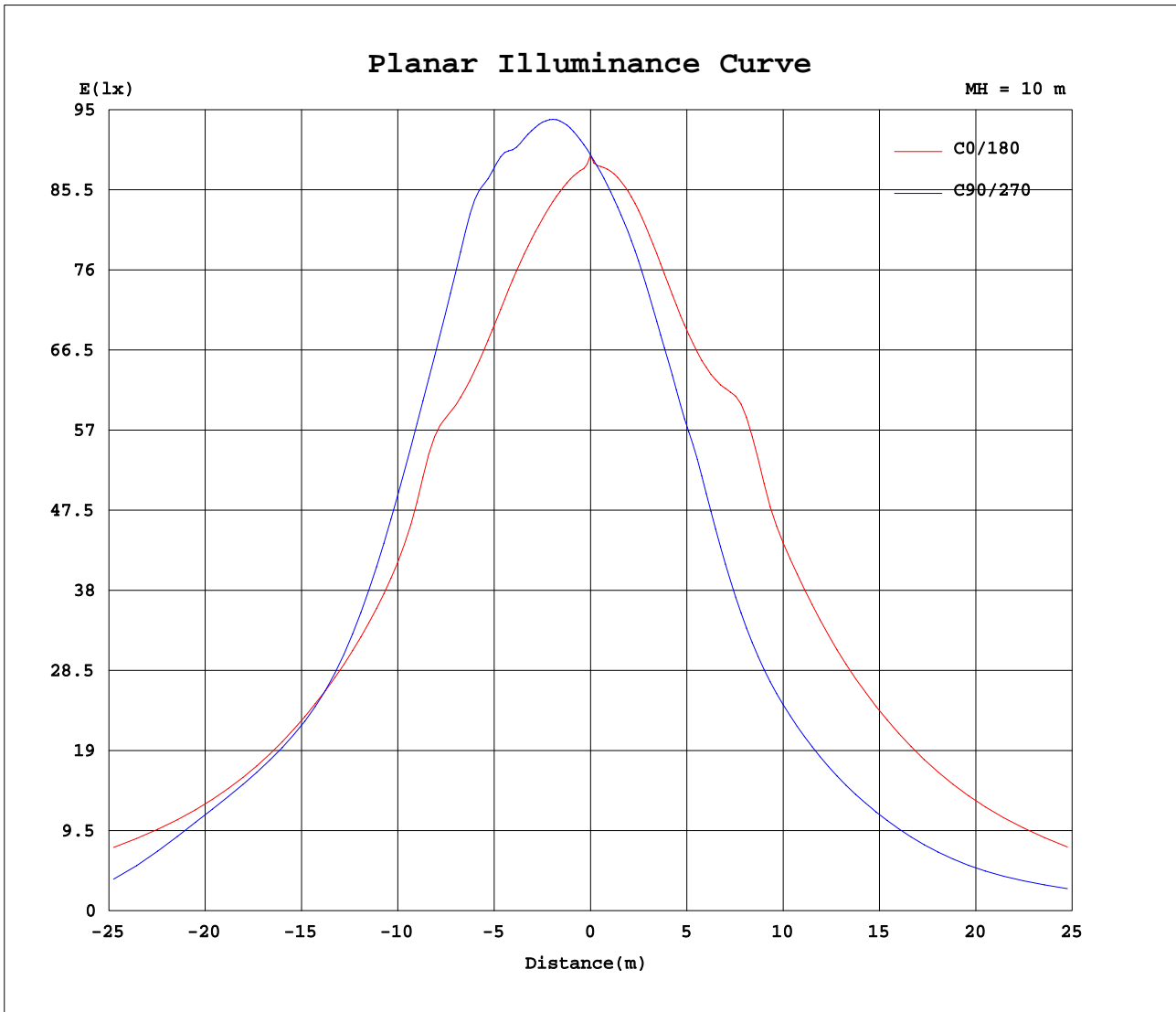
AvgL	cd/m2
L_0~180(65)av	254842
L_0~180(75)av	317909
L_0~180(85)av	311229
L_90~270(65)av	150860
L_90~270(75)av	41815
L_90~270(85)av	18072
L_45(65)av	189806
L_45(75)av	214179
L_45(85)av	93431

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897
5	882	891	901	914	925	931	935	932	927	918	908	898	890	883	879	877	874	872	871
10	887	904	925	949	966	977	982	978	966	951	933	915	900	887	877	869	862	858	854
15	902	928	958	991	1012	1028	1035	1027	1009	986	960	934	912	894	879	867	855	846	841
20	927	961	999	1037	1064	1088	1097	1085	1059	1028	996	961	925	901	881	862	843	830	823
25	958	1001	1047	1093	1138	1181	1201	1182	1135	1088	1049	1009	949	914	885	858	833	815	807
30	1004	1059	1116	1169	1227	1288	1316	1295	1232	1175	1145	1106	1005	952	912	874	838	809	794
35	1091	1164	1198	1215	1284	1355	1377	1360	1286	1220	1233	1250	1127	1056	974	889	817	771	748
40	1205	1232	1223	1239	1319	1392	1405	1395	1329	1256	1257	1257	1252	1150	1007	870	785	732	708
45	1169	1209	1228	1278	1364	1404	1394	1406	1374	1295	1277	1291	1233	1169	1046	889	777	714	691
50	1223	1267	1273	1321	1375	1367	1332	1368	1373	1344	1334	1355	1299	1237	1081	874	768	711	688
55	1302	1346	1328	1353	1337	1306	1284	1305	1331	1378	1390	1433	1372	1309	1142	888	767	702	676
60	1375	1425	1375	1334	1238	1309	1314	1296	1233	1359	1422	1492	1435	1379	1203	910	741	655	627
65	1431	1497	1363	1240	1160	1266	1170	1231	1152	1272	1385	1509	1464	1419	1254	908	674	572	544
70	1399	1498	1289	1150	930	593	372	576	899	1158	1276	1390	1395	1381	1274	844	590	490	458
75	1115	1158	1109	785	294	91.3	67.8	87.5	285	787	1014	850	1097	1182	1176	690	434	284	223
80	629	579	694	158	65.2	44.3	41.1	43.6	62.0	147	551	479	635	756	841	452	223	80.5	51.1
85	353	327	193	42.0	24.8	18.2	15.2	17.4	22.7	36.5	130	145	376	657	311	157	67.5	28.7	27.2
90	15.3	17.7	8.10	0.61	0.49	3.30	0.40	3.06	3.78	3.48	5.00	6.80	29.2	56.7	25.6	22.0	8.90	6.56	5.91
95	0.69	0.56	0.49	0.42	0.30	0.24	0.22	0.27	0.36	0.45	0.53	0.64	1.17	1.13	1.13	0.95	0.75	0.63	0.59
100	0.70	0.61	0.54	0.47	0.36	0.29	0.28	0.34	0.43	0.52	0.60	0.68	1.22	1.19	1.10	0.96	0.89	0.78	0.75
105	0.75	0.67	0.59	0.52	0.40	0.33	0.33	0.39	0.49	0.58	0.67	0.75	1.21	1.17	1.12	1.06	1.02	0.95	0.92
110	0.83	0.74	0.65	0.57	0.43	0.36	0.35	0.44	0.54	0.65	0.76	0.81	1.16	1.12	1.07	1.08	1.06	1.01	0.98
115	0.89	0.80	0.70	0.61	0.49	0.41	0.41	0.49	0.60	0.72	0.81	0.89	1.13	1.10	1.07	1.07	1.06	0.99	0.95
120	0.98	0.89	0.75	0.65	0.54	0.46	0.46	0.52	0.64	0.75	0.86	0.98	1.13	1.13	1.09	1.10	1.07	1.01	1.01
125	1.01	0.92	0.78	0.69	0.58	0.50	0.50	0.54	0.66	0.79	0.89	0.99	1.18	1.21	1.16	1.15	1.13	1.08	1.09
130	1.01	0.92	0.80	0.70	0.64	0.55	0.55	0.60	0.71	0.78	0.90	0.98	1.21	1.27	1.26	1.25	1.18	1.16	1.16
135	0.95	0.89	0.79	0.69	0.65	0.59	0.61	0.65	0.71	0.78	0.86	0.93	1.16	1.27	1.32	1.29	1.26	1.22	1.19
140	0.88	0.85	0.77	0.70	0.65	0.63	0.64	0.67	0.71	0.77	0.80	0.86	1.08	1.21	1.26	1.30	1.25	1.25	1.20
145	0.82	0.81	0.75	0.71	0.70	0.69	0.69	0.71	0.75	0.76	0.77	0.82	1.07	1.18	1.23	1.28	1.26	1.24	1.17
150	0.77	0.79	0.77	0.73	0.71	0.71	0.72	0.74	0.77	0.78	0.79	0.81	1.06	1.15	1.19	1.23	1.25	1.23	1.18
155	0.80	0.83	0.83	0.77	0.76	0.77	0.76	0.80	0.83	0.84	0.86	0.87	1.08	1.14	1.19	1.23	1.24	1.23	1.16
160	0.85	0.88	0.88	0.84	0.80	0.82	0.78	0.86	0.90	0.91	0.91	0.89	1.14	1.17	1.21	1.25	1.24	1.23	1.14
165	0.86	0.92	0.93	0.92	0.88	0.87	0.87	0.91	0.96	0.95	0.94	0.94	1.15	1.17	1.19	1.26	1.28	1.24	1.15
170	0.90	0.95	0.98	0.97	0.91	0.90	0.90	0.91	0.97	0.97	0.97	0.97	1.14	1.15	1.17	1.22	1.25	1.22	1.12
175	1.01	1.06	1.05	1.03	0.98	0.97	0.95	0.97	1.01	1.02	1.04	1.05	1.11	1.11	1.13	1.17	1.18	1.16	1.08
180	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:3.2940A P:394.88W PF:0.9990 Freq:60.00Hz Lamp Flux:54800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
ASD-LSB2-400D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	897	897	897	897	897														
5	870	870	871	873	875														
10	853	855	858	863	870														
15	840	844	853	863	873														
20	825	833	849	868	887														
25	812	826	849	878	906														
30	804	827	860	899	933														
35	763	807	877	949	988														
40	724	775	861	981	1081														
45	707	761	872	1012	1111														
50	709	756	858	1027	1135														
55	705	763	868	1078	1205														
60	666	747	888	1133	1280														
65	581	681	893	1191	1343														
70	499	589	848	1234	1372														
75	310	459	718	1200	1272														
80	97.5	250	498	948	924														
85	30.2	81.1	202	446	655														
90	7.30	10.9	25.8	49.0	360														
95	0.63	0.80	1.90	3.15	4.94														
100	0.83	0.93	1.04	1.11	1.15														
105	0.98	1.02	1.13	1.15	1.19														
110	0.97	1.04	1.11	1.11	1.15														
115	0.96	1.03	1.07	1.07	1.13														
120	1.00	1.07	1.06	1.06	1.12														
125	1.07	1.10	1.09	1.10	1.16														
130	1.14	1.13	1.17	1.17	1.22														
135	1.19	1.20	1.15	1.22	1.25														
140	1.15	1.12	1.16	1.19	1.23														
145	1.12	1.12	1.13	1.16	1.18														
150	1.15	1.13	1.10	1.14	1.14														
155	1.12	1.10	1.15	1.18	1.15														
160	1.13	1.13	1.16	1.25	1.21														
165	1.08	1.12	1.18	1.25	1.22														
170	1.07	1.08	1.11	1.19	1.16														
175	1.04	1.04	1.05	1.12	1.08														
180	1.00	1.00	1.00	1.00	1.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 19 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks: