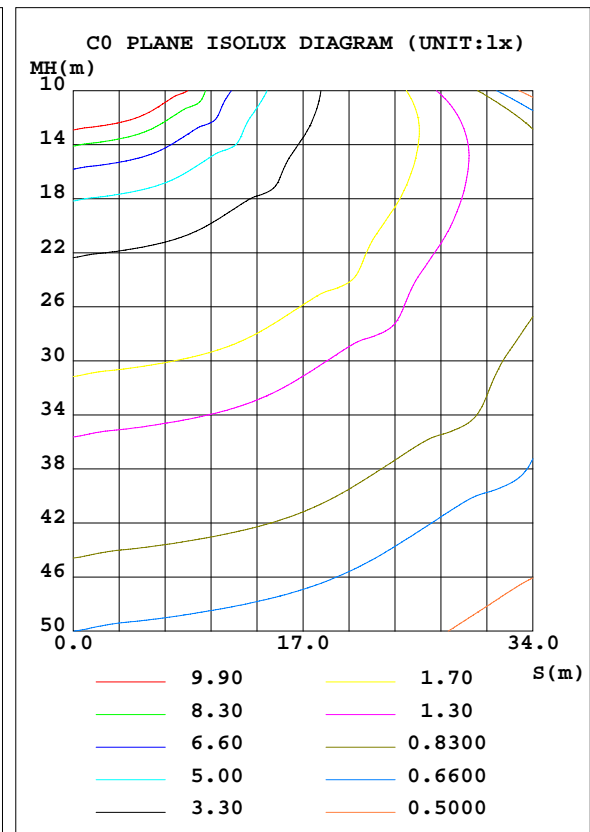
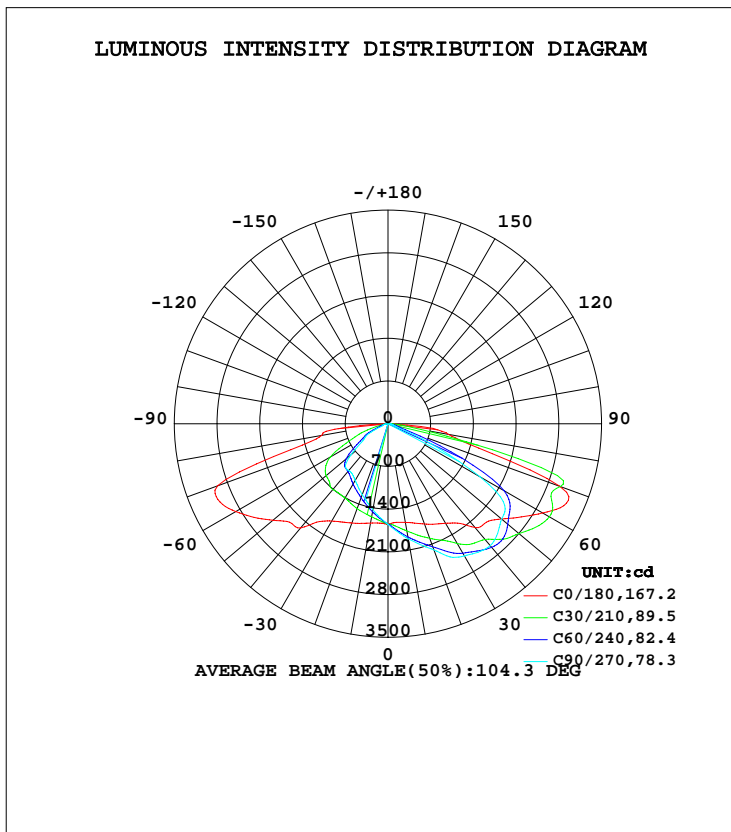


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.06 lm/W			
MODEL ASD-LSB2-60D50W-PRM		I _{max} (cd)	3722	S/MH(C0/180)	1.97
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	0.98
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	8520	η UP, DN(C0-180)	0.1,65.9
NOMINAL FLUX(lm)	8520	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,33.9
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.75



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 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	1642	1842	1915	1834	1653	1502	1432	1495	0- 10	157.8	157.8	1.89,1.89
20	1749	2080	2199	2048	1733	1368	1237	1366	10- 20	480.2	638.0	7.64,7.64
30	1884	2390	2502	2368	1842	1243	1074	1237	20- 30	820.1	1458	17.5,17.5
40	2220	2603	2607	2593	2229	1143	1002	1145	30- 40	1174	2632	31.5,31.5
50	2428	2753	2431	2754	2460	999.9	793.4	1011	40- 50	1514	4145	49.6,49.6
60	2925	2570	1746	2633	2879	622.2	432.6	618.7	50- 60	1705	5851	70,70
70	2993	1268	163.3	1254	2969	259.5	97.50	264.0	60- 70	1539	7390	88.5,88.5
80	1005	161.4	67.11	166.1	1106	77.16	53.32	73.48	70- 80	791.6	8182	98,98
90	26.24	10.76	12.42	11.42	33.54	2.381	0.2778	2.413	80- 90	158.8	8340	99.9,99.9
100	1.145	0.3424	0.1863	0.4792	2.365	1.638	0.8232	1.816	90-100	3.198	8344	99.9,99.9
110	1.399	0.4635	0.2732	0.7492	2.348	1.968	1.355	2.046	100-110	1.299	8345	99.9,99.9
120	1.699	0.6374	0.4564	0.9333	2.197	2.112	1.781	2.138	110-120	1.391	8346	99.9,99.9
130	2.012	0.8417	0.6934	1.088	2.360	2.628	2.436	2.621	120-130	1.500	8348	99.9,99.9
140	1.907	1.092	0.9959	1.306	2.392	2.814	2.883	2.783	130-140	1.516	8349	100,100
150	1.666	1.325	1.339	1.463	2.390	2.848	3.108	2.817	140-150	1.301	8351	100,100
160	1.768	1.619	1.767	1.769	2.507	2.786	3.147	2.950	150-160	1.021	8352	100,100
170	1.974	1.970	2.177	2.108	2.487	2.539	2.729	2.760	160-170	0.6591	8352	100,100
180	2.519	2.519	2.519	2.519	2.447	2.447	2.447	2.447	170-180	0.2266	8352	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3355.1 lm

%lum = 40.2%

%lamp = 40.2%

Conical surface Flux(120deg): 5850.6 lm

%lum = 70.0%

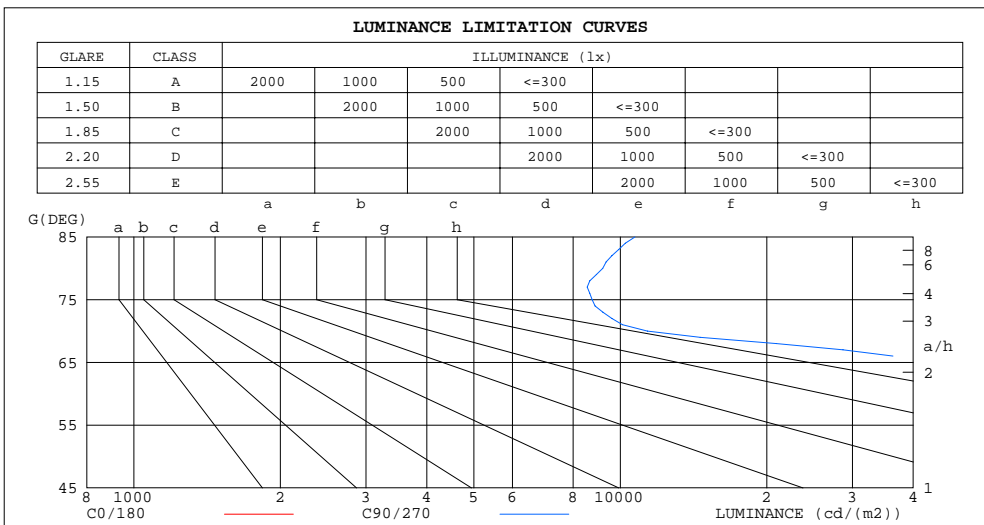
%lamp = 70.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	147450	10711
80	137838	9201
75	141685	8755
70	208352	11366
65	179034	44037
60	139291	83140
55	110613	96918
50	89925	90051
45	76831	85556

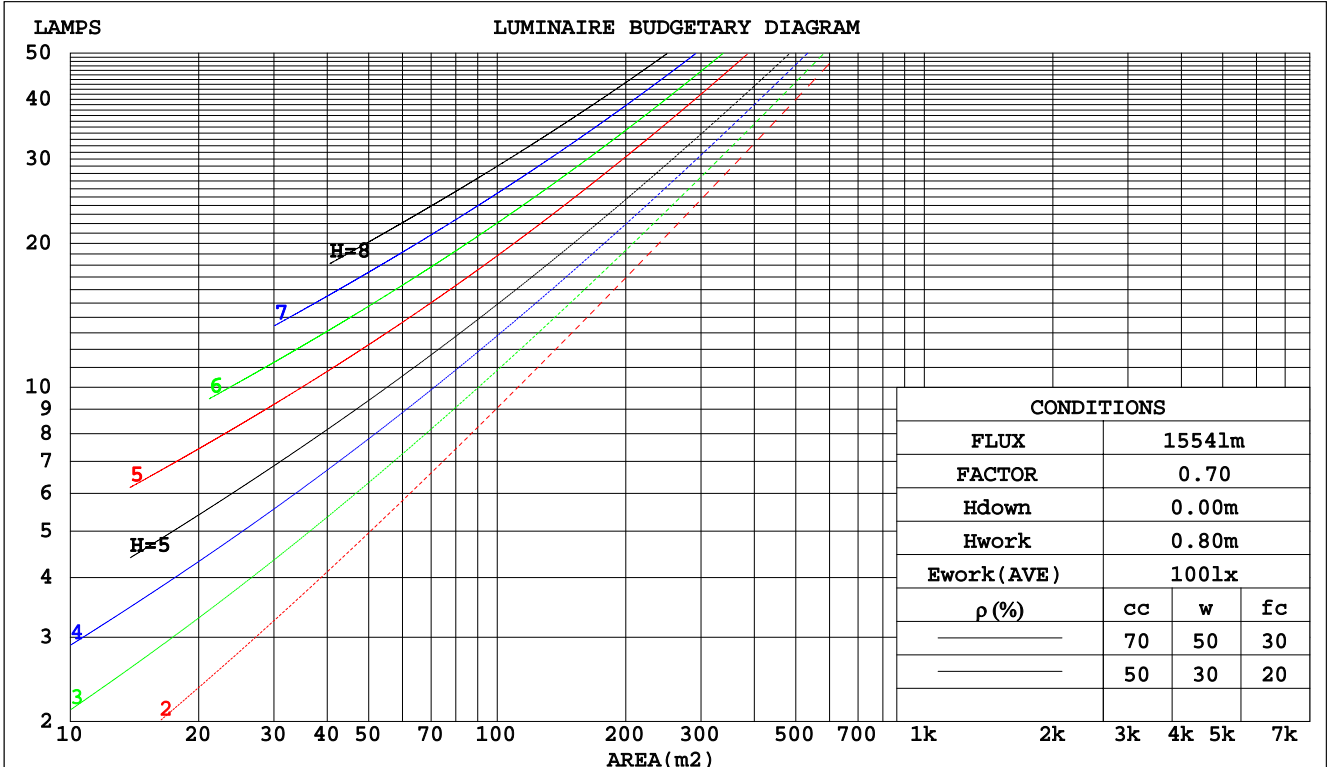
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-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	1.02	.97	.93	.90	.95	.91	.95	.92	.88	.91	.88	.85	.88	.85	.83	.81
2.0	.87	.79	.72	.85	.78	.72	.81	.75	.70	.78	.73	.68	.74	.70	.67	.64
3.0	.74	.65	.58	.73	.64	.57	.70	.62	.56	.67	.60	.55	.64	.59	.54	.52
4.0	.65	.55	.47	.63	.54	.47	.60	.52	.46	.58	.51	.45	.56	.50	.45	.42
5.0	.57	.47	.39	.55	.46	.39	.53	.45	.39	.51	.44	.38	.49	.43	.38	.35
6.0	.50	.40	.33	.49	.40	.33	.47	.39	.33	.46	.38	.32	.44	.37	.32	.30
7.0	.45	.35	.29	.44	.35	.29	.42	.34	.28	.41	.34	.28	.39	.33	.28	.26
8.0	.41	.31	.25	.40	.31	.25	.38	.30	.25	.37	.30	.24	.36	.29	.24	.22
9.0	.37	.28	.22	.36	.28	.22	.35	.27	.22	.34	.27	.22	.33	.26	.21	.20
10.0	.34	.25	.20	.33	.25	.20	.32	.25	.19	.31	.24	.19	.30	.24	.19	.17



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-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	.347	.198	.063	.340	.194	.062	.327	.187	.060	.314	.181	.058	.303	.175	.057	
2.0	.328	.180	.055	.321	.177	.055	.309	.172	.053	.298	.167	.052	.288	.163	.051	
3.0	.302	.161	.048	.296	.159	.048	.285	.155	.047	.275	.151	.046	.266	.147	.046	
4.0	.277	.144	.042	.271	.142	.042	.262	.139	.041	.253	.136	.041	.245	.133	.040	
5.0	.254	.129	.037	.249	.128	.037	.241	.125	.037	.233	.123	.037	.225	.120	.036	
6.0	.234	.117	.034	.230	.116	.033	.222	.114	.033	.215	.112	.033	.208	.110	.033	
7.0	.216	.107	.030	.212	.106	.030	.206	.104	.030	.199	.102	.030	.193	.100	.029	
8.0	.200	.098	.028	.197	.097	.027	.191	.095	.027	.185	.094	.027	.180	.092	.027	
9.0	.187	.090	.025	.184	.090	.025	.178	.088	.025	.173	.087	.025	.168	.086	.025	
10.0	.175	.084	.023	.172	.083	.023	.167	.082	.023	.163	.081	.023	.158	.080	.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	.184	.157	.133	.157	.135	.114	.108	.093	.079	.062	.054	.046	.020	.017	.015	
2.0	.178	.133	.095	.153	.114	.082	.105	.079	.057	.060	.046	.033	.019	.015	.011	
3.0	.172	.116	.071	.147	.100	.061	.101	.069	.043	.058	.040	.025	.019	.013	.008	
4.0	.165	.103	.055	.141	.089	.048	.097	.062	.034	.056	.036	.020	.018	.012	.007	
5.0	.157	.093	.045	.135	.080	.039	.093	.056	.028	.054	.033	.016	.017	.011	.005	
6.0	.150	.085	.037	.129	.073	.033	.089	.051	.023	.052	.030	.014	.017	.010	.005	
7.0	.143	.078	.032	.123	.067	.028	.085	.047	.020	.049	.028	.012	.016	.009	.004	
8.0	.136	.072	.028	.117	.062	.024	.081	.044	.017	.047	.026	.010	.015	.008	.003	
9.0	.130	.067	.025	.112	.058	.022	.077	.041	.015	.045	.024	.009	.015	.008	.003	
10.0	.124	.063	.022	.107	.055	.020	.074	.038	.014	.043	.023	.008	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-LSB2-60D50W-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	32.1	33.9	32.5	34.2	34.5	29.6	31.4	29.9	31.7	32.0
3H	36.4	38.1	36.8	38.4	38.7	29.6	31.2	30.0	31.5	31.9
4H	37.2	38.7	37.5	39.1	39.4	29.5	31.1	29.9	31.4	31.8
6H	37.5	39.0	37.9	39.3	39.7	29.5	31.0	29.9	31.3	31.7
8H	37.8	39.1	38.2	39.5	39.9	29.5	30.9	29.9	31.3	31.7
12H	37.9	39.3	38.4	39.7	40.1	29.5	30.8	29.9	31.2	31.6
4H 2H	32.7	34.3	33.1	34.6	35.0	30.9	32.4	31.3	32.8	33.2
3H	37.3	38.6	37.7	39.0	39.4	30.9	32.2	31.3	32.6	33.0
4H	38.3	39.4	38.7	39.9	40.3	30.9	32.1	31.3	32.5	32.9
6H	38.7	39.8	39.2	40.2	40.7	30.9	31.9	31.3	32.4	32.8
8H	39.0	40.0	39.5	40.4	40.9	30.9	31.8	31.3	32.3	32.7
12H	39.3	40.2	39.8	40.6	41.1	30.9	31.7	31.3	32.2	32.7
8H 4H	38.2	39.2	38.7	39.7	40.1	31.8	32.8	32.3	33.3	33.7
6H	38.8	39.6	39.3	40.1	40.5	31.8	32.6	32.3	33.1	33.6
8H	39.1	39.9	39.6	40.4	40.9	31.8	32.5	32.3	33.0	33.5
12H	39.5	40.1	40.0	40.6	41.2	31.8	32.4	32.3	32.9	33.5
12H 4H	38.2	39.1	38.7	39.6	40.1	32.0	32.8	32.4	33.3	33.8
6H	38.8	39.5	39.3	40.0	40.5	31.9	32.7	32.5	33.1	33.7
8H	39.1	39.8	39.6	40.3	40.8	31.9	32.6	32.4	33.1	33.6
CIE190: 2010										

CIE190: 2010
Area: 0.042 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 16 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.3%
Test Distance: 2.500m [K=1.0469]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

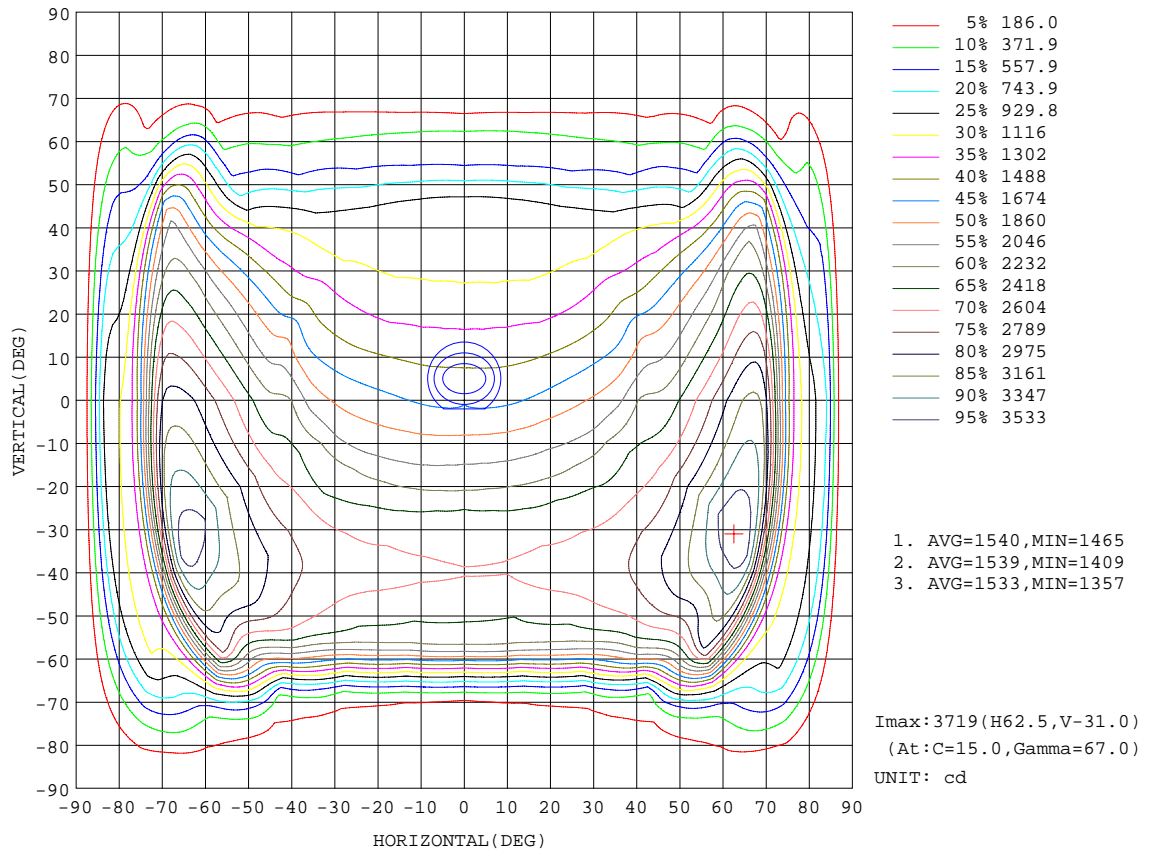
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	29	49	37	29	48	36	29	22
0.80	60	47	39	59	47	38	57	46	38	30
1.00	69	56	48	68	56	48	65	58	47	39
1.25	77	65	57	75	64	56	72	63	55	47
1.50	83	71	63	81	70	62	77	68	61	53
2.00	91	81	73	89	79	72	85	77	71	62
2.50	95	86	79	93	85	79	89	82	77	68
3.00	99	91	85	97	90	84	93	87	82	73
4.00	104	98	92	102	96	91	97	92	88	79
5.00	107	102	97	105	100	95	100	96	92	83
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: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

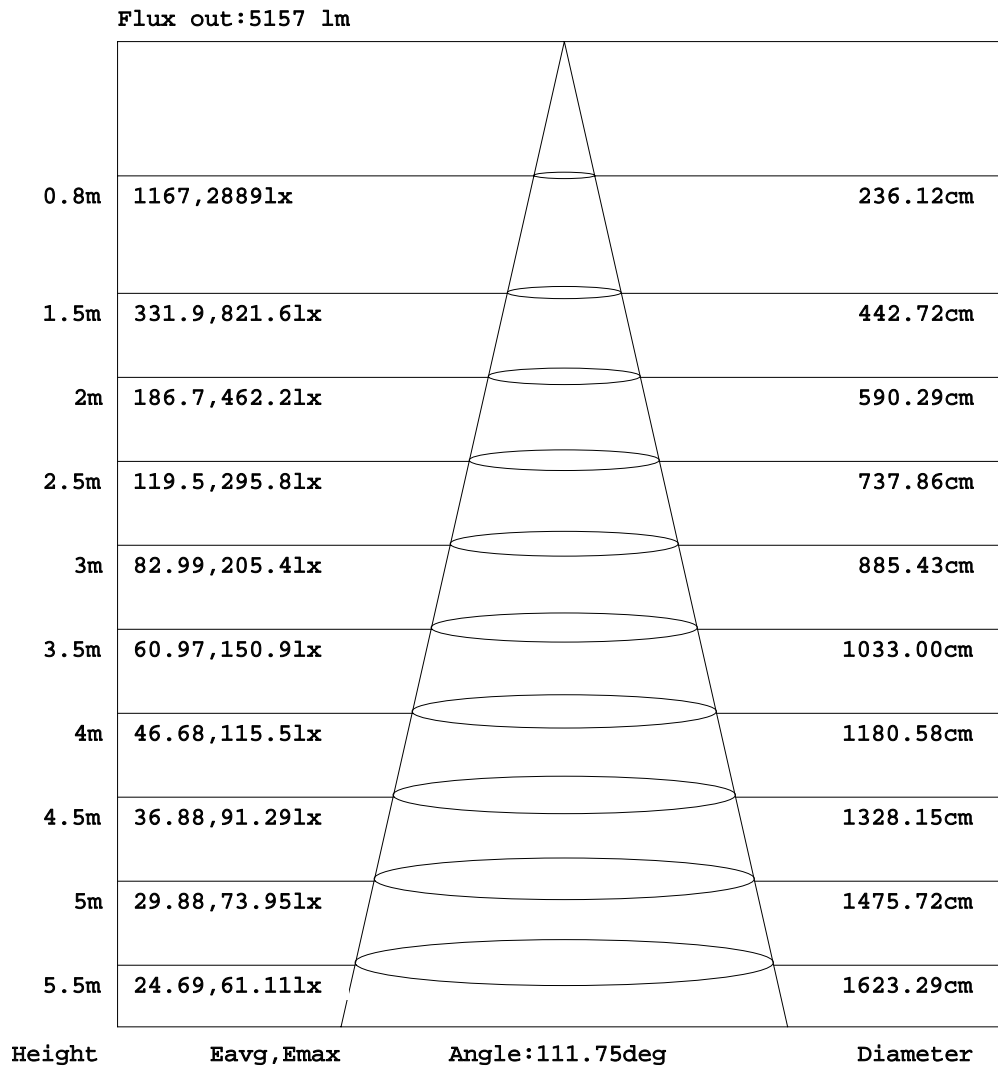


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

AAI Figure

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



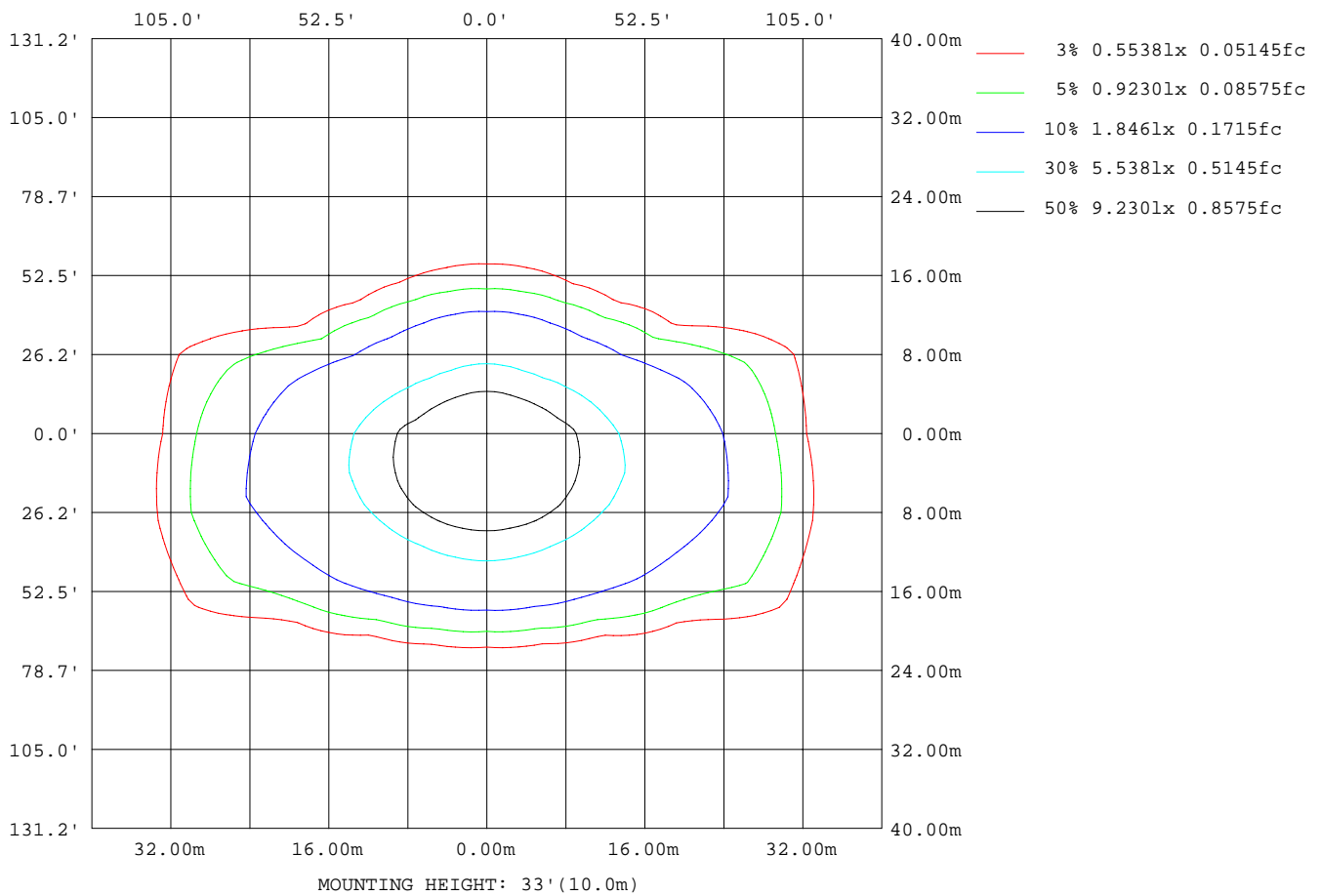
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance:2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	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: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

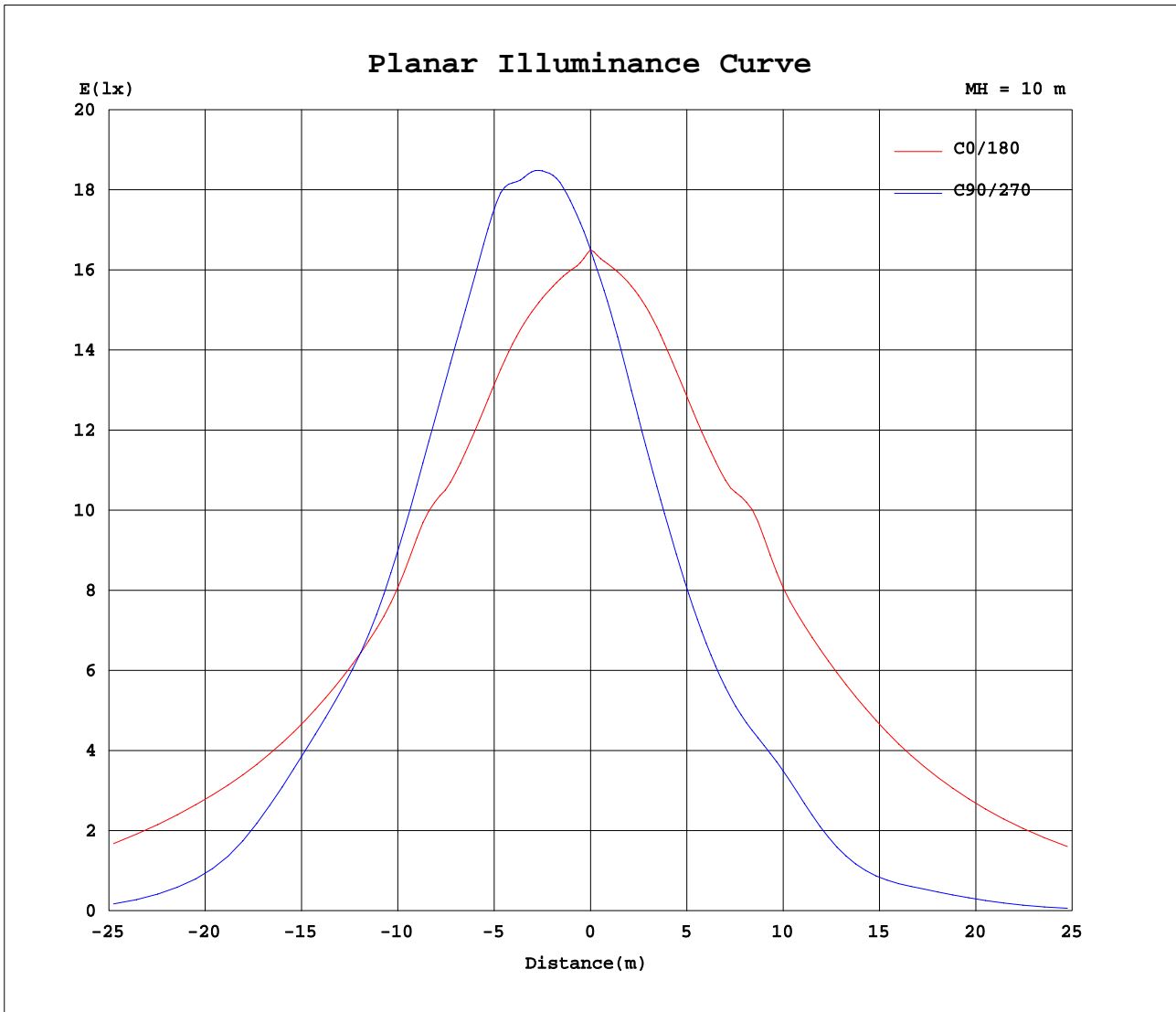
AvgL	cd/m2
L_0~180(65)av	175034
L_0~180(75)av	146647
L_0~180(85)av	162607
L_90~270(65)av	29261
L_90~270(75)av	8315
L_90~270(85)av	5476
L_45(65)av	77324
L_45(75)av	20123
L_45(85)av	13536

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	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	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
5	1623	1657	1694	1731	1755	1770	1776	1770	1755	1730	1694	1662	1635	1614	1593	1572	1556	1545	1540
10	1642	1713	1784	1842	1883	1907	1915	1902	1874	1834	1777	1713	1653	1597	1549	1502	1465	1441	1432
15	1686	1792	1890	1960	2010	2043	2051	2031	1991	1939	1869	1779	1691	1597	1514	1435	1375	1340	1327
20	1749	1887	1998	2080	2146	2190	2199	2175	2120	2048	1960	1849	1733	1602	1481	1368	1291	1251	1237
25	1816	1976	2109	2219	2313	2378	2408	2373	2298	2190	2062	1924	1778	1607	1440	1298	1214	1169	1151
30	1884	2074	2265	2390	2450	2485	2502	2484	2436	2368	2238	2031	1842	1620	1407	1243	1144	1093	1074
35	1989	2271	2403	2487	2545	2564	2571	2573	2540	2452	2368	2255	1957	1655	1396	1196	1073	1028	1015
40	2220	2423	2476	2603	2643	2609	2607	2622	2645	2593	2463	2424	2229	1762	1407	1143	1023	1000	1002
45	2282	2533	2675	2737	2664	2554	2541	2572	2664	2746	2709	2549	2281	1865	1356	1075	998	989	988
50	2428	2731	2801	2753	2561	2435	2431	2450	2561	2754	2812	2748	2460	1922	1323	1000	894	826	793
55	2665	3007	2956	2688	2441	2348	2335	2352	2448	2702	2965	2995	2676	2021	1250	871	667	573	534
60	2925	3352	3053	2570	2195	1865	1746	1861	2217	2633	3064	3283	2879	2092	1092	622	475	442	433
65	3178	3693	2957	2304	1340	877	782	887	1342	2327	3028	3606	3036	2152	760	427	348	290	257
70	2993	3602	3006	1268	414	224	163	219	402	1254	2883	3619	2969	2143	504	260	176	107	97.5
75	1540	1898	2210	302	164	104	95.2	105	165	310	2223	2020	1648	1884	250	134	101	84.7	85.6
80	1005	1043	552	161	88.8	69.1	67.1	69.4	88.5	166	588	1161	1106	464	93.6	77.2	60.7	63.2	53.3
85	540	515	192	73.5	42.0	39.0	39.2	39.4	42.4	76.0	194	547	651	91.5	34.9	25.0	16.8	6.02	0.88
90	26.2	58.2	20.0	10.8	13.2	14.3	12.4	14.1	13.3	11.4	21.7	61.5	33.5	11.9	5.00	2.38	1.19	0.33	0.28
95	1.10	0.86	0.55	0.28	0.18	0.17	0.16	0.17	0.22	0.37	0.58	0.87	2.14	2.24	1.76	1.31	0.82	0.57	0.51
100	1.14	0.91	0.60	0.34	0.22	0.20	0.19	0.20	0.28	0.48	0.72	1.00	2.36	2.34	2.04	1.64	1.20	0.90	0.82
105	1.27	1.02	0.69	0.41	0.26	0.23	0.22	0.24	0.37	0.61	0.90	1.18	2.45	2.43	2.18	1.86	1.56	1.23	1.15
110	1.40	1.12	0.76	0.46	0.31	0.28	0.27	0.31	0.49	0.75	1.08	1.36	2.35	2.32	2.17	1.97	1.78	1.46	1.35
115	1.58	1.22	0.82	0.52	0.38	0.36	0.36	0.41	0.60	0.87	1.21	1.51	2.26	2.28	2.20	2.03	1.89	1.67	1.53
120	1.70	1.34	0.94	0.64	0.48	0.45	0.46	0.51	0.70	0.93	1.32	1.66	2.20	2.31	2.25	2.11	2.11	1.92	1.78
125	1.90	1.48	1.07	0.74	0.59	0.56	0.56	0.64	0.81	0.98	1.44	1.83	2.23	2.42	2.39	2.36	2.38	2.21	2.11
130	2.01	1.57	1.16	0.84	0.71	0.68	0.69	0.77	0.92	1.09	1.49	1.93	2.36	2.61	2.58	2.63	2.61	2.51	2.44
135	2.02	1.62	1.25	0.97	0.84	0.82	0.84	0.91	1.03	1.21	1.49	1.95	2.43	2.66	2.71	2.76	2.73	2.71	2.68
140	1.91	1.60	1.32	1.09	0.99	0.97	1.00	1.07	1.18	1.31	1.46	1.85	2.39	2.60	2.72	2.81	2.83	2.86	2.88
145	1.76	1.57	1.38	1.21	1.13	1.12	1.17	1.23	1.33	1.38	1.47	1.74	2.37	2.55	2.72	2.84	2.91	2.96	3.03
150	1.67	1.56	1.43	1.33	1.27	1.28	1.34	1.40	1.46	1.46	1.52	1.65	2.39	2.54	2.73	2.85	2.92	3.02	3.11
155	1.71	1.64	1.55	1.48	1.44	1.49	1.56	1.61	1.65	1.63	1.62	1.71	2.44	2.55	2.71	2.85	2.93	3.04	3.16
160	1.77	1.73	1.66	1.62	1.63	1.70	1.77	1.82	1.83	1.77	1.72	1.76	2.51	2.55	2.66	2.79	2.88	3.00	3.15
165	1.85	1.85	1.81	1.81	1.84	1.92	1.99	2.03	2.02	1.96	1.91	1.85	2.50	2.53	2.57	2.65	2.72	2.82	2.98
170	1.97	1.98	1.97	1.97	2.02	2.10	2.18	2.21	2.18	2.11	2.04	1.96	2.49	2.49	2.51	2.54	2.55	2.60	2.73
175	2.23	2.22	2.20	2.21	2.25	2.33	2.39	2.41	2.40	2.36	2.30	2.27	2.49	2.48	2.49	2.51	2.50	2.52	2.62
180	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.45	2.45	2.45	2.45	2.45	2.45	2.45

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.4868A P:57.980W PF:0.9926 Freq:60.00Hz Lamp Flux:8520x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-60D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1650	1650	1650	1650	1650														
5	1543	1552	1566	1584	1602														
10	1439	1461	1495	1539	1583														
15	1339	1373	1430	1505	1584														
20	1248	1290	1366	1478	1600														
25	1165	1210	1297	1447	1627														
30	1086	1135	1237	1421	1654														
35	1021	1067	1189	1412	1688														
40	998	1019	1145	1423	1781														
45	992	999	1085	1388	1884														
50	831	900	1011	1348	1915														
55	567	658	872	1281	2014														
60	442	457	619	1123	2111														
65	292	348	432	802	2246														
70	106	170	264	519	2258														
75	82.7	99.1	129	247	1732														
80	62.6	58.6	73.5	94.1	454														
85	5.44	15.8	23.8	34.2	84.4														
90	0.34	1.14	2.41	5.13	18.0														
95	0.59	0.86	1.43	1.93	2.25														
100	0.92	1.24	1.82	2.21	2.32														
105	1.25	1.58	2.03	2.31	2.42														
110	1.45	1.70	2.05	2.25	2.30														
115	1.58	1.75	2.03	2.21	2.25														
120	1.77	1.89	2.14	2.27	2.26														
125	2.09	2.16	2.35	2.46	2.40														
130	2.40	2.48	2.62	2.75	2.63														
135	2.60	2.64	2.76	2.88	2.75														
140	2.79	2.75	2.78	2.83	2.68														
145	2.94	2.83	2.78	2.77	2.57														
150	3.04	2.91	2.82	2.76	2.52														
155	3.12	3.01	2.88	2.80	2.54														
160	3.17	3.09	2.95	2.84	2.56														
165	3.03	3.03	2.91	2.80	2.51														
170	2.81	2.83	2.76	2.69	2.41														
175	2.69	2.71	2.64	2.55	2.26														
180	2.45	2.45	2.45	2.45	2.45														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks: