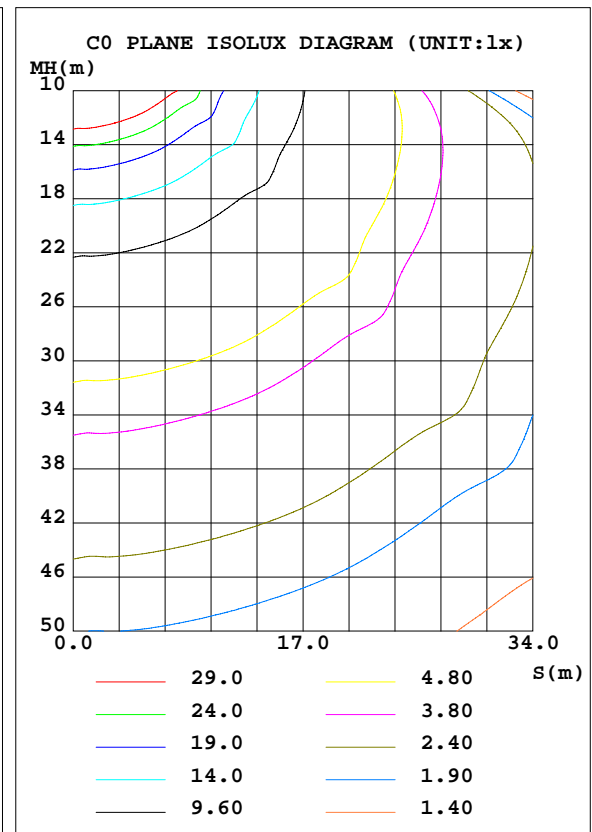
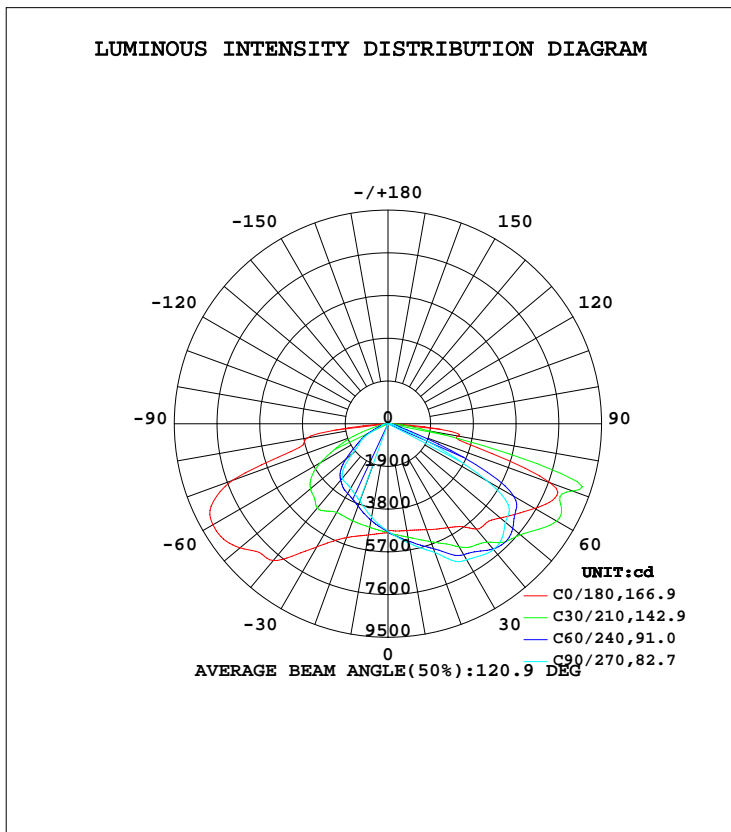


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.75 lm/W			
MODEL	ASD-LSB2HV-185D50B-PRM	I _{max} (cd)	10804	S/MH(C0/180)	2.31
NOMINAL POWER(W)	185	LOR(%)	100.0	S/MH(C90/270)	1.03
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	24420	η UP, DN(C0-180)	0.1,65.5
NOMINAL FLUX(lm)	24420	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,34.4
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	277	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: 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	482.3	524.7	538.9	527.3	501.8	452.3	421.8	435.3	0- 10	460.5	460.5	1.89,1.89
20	501.5	579.9	609.5	590.8	538.9	421.8	366.1	396.9	10- 20	1394	1854	7.6,7.6
30	533.6	661.3	698.8	720.7	632.2	398.1	332.1	365.0	20- 30	2407	4261	17.5,17.5
40	611.9	714.0	730.1	781.1	794.1	381.6	316.2	341.6	30- 40	3533	7795	32,32
50	652.4	766.3	681.8	831.0	858.5	310.8	206.9	287.5	40- 50	4505	12299	50.4,50.4
60	753.1	730.4	510.9	783.9	899.2	180.3	126.5	163.7	50- 60	4980	17279	70.9,70.9
70	767.8	350.7	62.09	392.5	736.1	74.95	31.59	65.04	60- 70	4435	21714	89,89
80	317.0	49.72	22.27	52.30	365.3	20.76	16.08	17.74	70- 80	2183	23897	98,98
90	11.38	2.477	3.945	4.900	5.371	0.9554	0.0875	0.6091	80- 90	450.3	24347	99.8,99.8
100	0.3348	0.1012	0.0562	0.1210	0.6472	0.4782	0.2448	0.5489	90-100	12.51	24360	99.9,99.9
110	0.4183	0.1406	0.0775	0.1941	0.6475	0.5639	0.3898	0.6096	100-110	3.743	24364	99.9,99.9
120	0.5131	0.1990	0.1311	0.2463	0.6085	0.5939	0.5170	0.6479	110-120	4.005	24368	99.9,99.9
130	0.6137	0.2690	0.2005	0.2909	0.6598	0.7304	0.7014	0.8010	120-130	4.352	24372	99.9,99.9
140	0.6091	0.3471	0.2894	0.3609	0.6699	0.7852	0.8260	0.8320	130-140	4.409	24376	100,100
150	0.5264	0.4215	0.3900	0.4117	0.6798	0.8007	0.8902	0.8388	140-150	3.801	24380	100,100
160	0.5390	0.5018	0.5130	0.5007	0.7231	0.8009	0.9019	0.8752	150-160	2.987	24383	100,100
170	0.5887	0.5900	0.6295	0.6004	0.7243	0.7445	0.7870	0.8073	160-170	1.921	24385	100,100
180	0.7063	0.7063	0.7063	0.7063	0.7093	0.7093	0.7093	0.7093	170-180	0.6609	24386	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 9963.1 lm

%lum = 40.9%

%lamp = 40.9%

Conical surface Flux(120deg): 17279 lm

%lum = 70.9%

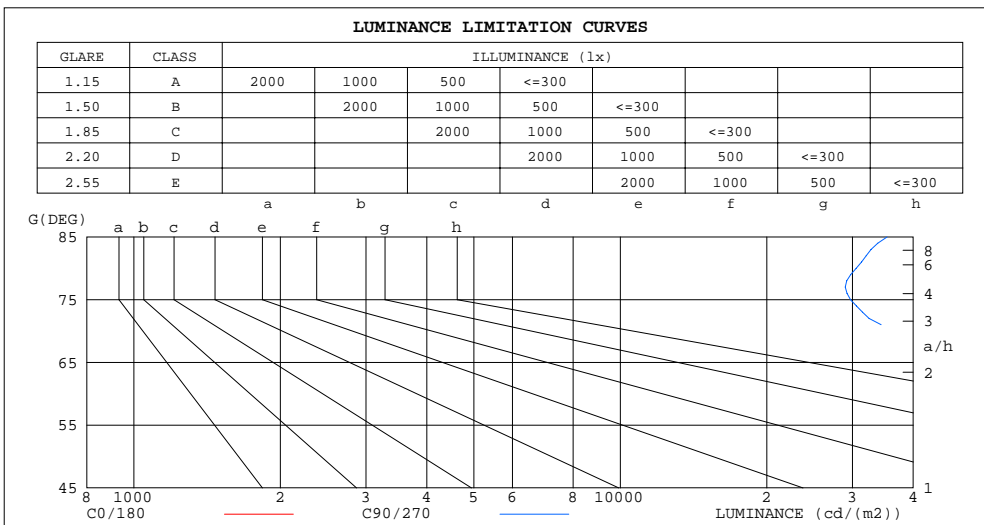
%lamp = 70.9%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	441309	35352
80	434585	30533
75	378699	29743
70	534482	43223
65	454489	134673
60	358634	243284
55	290088	273320
50	241656	252556
45	209187	241681

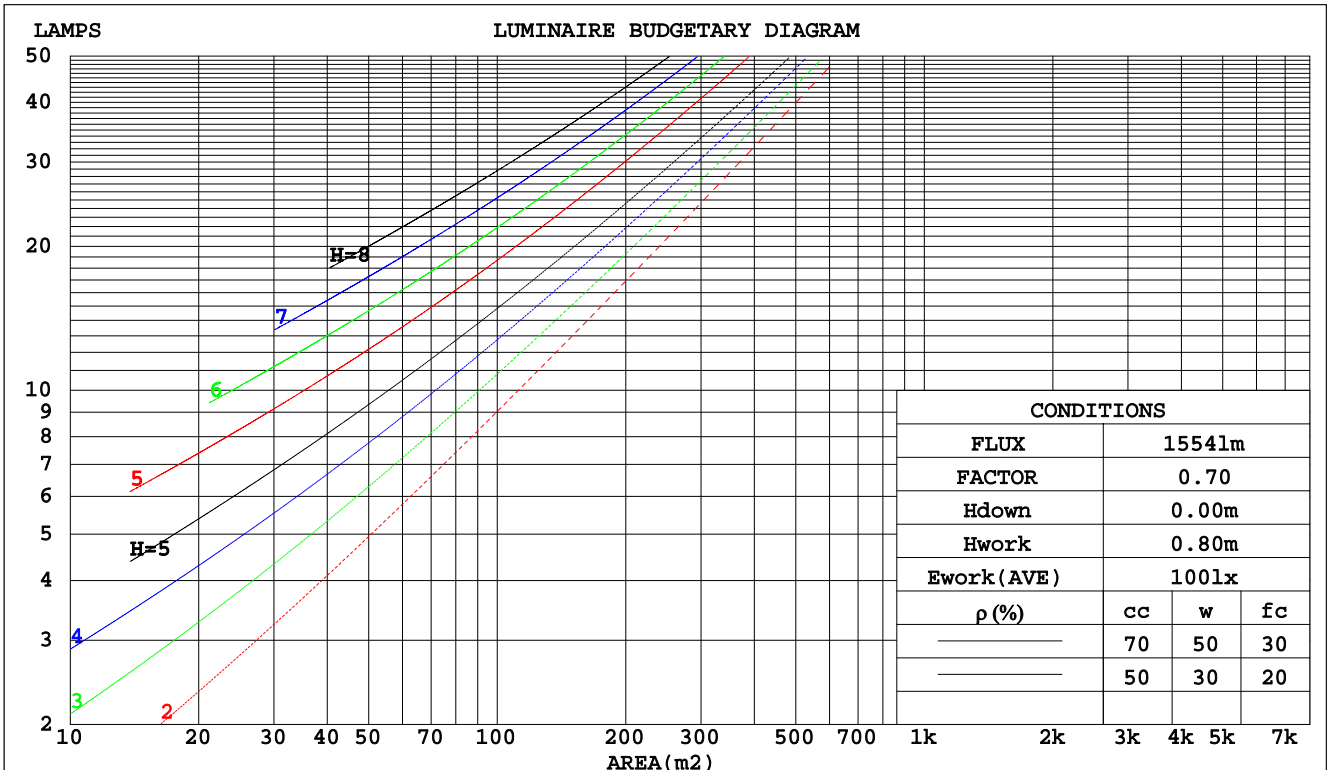
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-PRM	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	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	.00	.95	.91	.95	.92	.88	.91	.88	.86	.88	.85	.83	.81
2.0	.87	.79	.73	.85	.78	.72	.81	.75	.70	.78	.73	.69	.75	.71	.67	.65
3.0	.75	.66	.58	.73	.65	.58	.70	.63	.57	.67	.61	.56	.64	.59	.55	.52
4.0	.65	.55	.48	.63	.54	.47	.61	.53	.47	.58	.51	.46	.56	.50	.45	.43
5.0	.57	.47	.40	.56	.46	.39	.53	.45	.39	.51	.44	.38	.49	.43	.38	.36
6.0	.50	.41	.34	.49	.40	.33	.48	.39	.33	.46	.38	.33	.44	.38	.32	.30
7.0	.45	.36	.29	.44	.35	.29	.43	.34	.29	.41	.34	.28	.40	.33	.28	.26
8.0	.41	.32	.25	.40	.31	.25	.39	.31	.25	.37	.30	.25	.36	.29	.25	.22
9.0	.37	.28	.22	.36	.28	.22	.35	.27	.22	.34	.27	.22	.33	.26	.22	.20
10.0	.34	.25	.20	.33	.25	.20	.32	.25	.20	.31	.24	.19	.30	.24	.19	.17



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-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	.344	.195	.062	.337	.192	.061	.323	.185	.059	.311	.179	.057	.299	.173	.056	
2.0	.325	.178	.055	.319	.175	.054	.306	.170	.053	.295	.166	.052	.285	.161	.051	
3.0	.300	.160	.048	.294	.157	.047	.283	.153	.047	.273	.150	.046	.264	.146	.045	
4.0	.275	.143	.042	.270	.141	.042	.260	.138	.041	.251	.135	.041	.243	.132	.040	
5.0	.253	.129	.037	.248	.127	.037	.240	.125	.037	.232	.122	.036	.224	.120	.036	
6.0	.233	.117	.033	.229	.116	.033	.221	.113	.033	.214	.111	.033	.207	.109	.032	
7.0	.215	.106	.030	.212	.105	.030	.205	.104	.030	.198	.102	.030	.192	.100	.029	
8.0	.200	.098	.027	.197	.097	.027	.191	.095	.027	.185	.094	.027	.179	.092	.027	
9.0	.186	.090	.025	.184	.089	.025	.178	.088	.025	.173	.087	.025	.168	.085	.025	
10.0	.174	.084	.023	.172	.083	.023	.167	.082	.023	.162	.081	.023	.158	.079	.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	.152	.114	.082	.104	.079	.057	.060	.046	.034	.019	.015	.011	
3.0	.171	.116	.071	.147	.100	.062	.101	.069	.043	.058	.041	.026	.019	.013	.008	
4.0	.164	.103	.056	.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	.038	.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	.063	.025	.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	.106	.055	.020	.074	.038	.014	.043	.023	.008	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-LSB2HV-185D50B-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	35.5	37.3	35.9	37.6	37.9	33.1	34.9	33.5	35.2	35.5
3H	39.9	41.5	40.3	41.8	42.2	33.1	34.8	33.5	35.1	35.5
4H	40.6	42.2	41.0	42.5	42.9	33.1	34.7	33.5	35.0	35.4
6H	41.0	42.4	41.4	42.8	43.2	33.1	34.5	33.5	34.9	35.3
8H	41.2	42.6	41.6	43.0	43.4	33.1	34.4	33.5	34.8	35.2
12H	41.4	42.7	41.8	43.1	43.5	33.1	34.4	33.5	34.8	35.2
4H 2H	36.2	37.7	36.6	38.0	38.4	34.5	36.1	34.9	36.4	36.8
3H	40.8	42.2	41.3	42.5	42.9	34.6	35.9	35.0	36.3	36.7
4H	41.9	43.0	42.3	43.5	43.9	34.6	35.8	35.0	36.2	36.6
6H	42.3	43.3	42.7	43.8	44.2	34.6	35.6	35.0	36.1	36.5
8H	42.5	43.5	43.0	43.9	44.4	34.6	35.5	35.0	36.0	36.4
12H	42.7	43.6	43.2	44.1	44.6	34.6	35.4	35.0	35.9	36.4
8H 4H	41.9	42.8	42.3	43.3	43.7	35.6	36.6	36.1	37.0	37.5
6H	42.3	43.2	42.8	43.6	44.1	35.6	36.4	36.1	36.9	37.4
8H	42.6	43.4	43.1	43.9	44.3	35.6	36.3	36.1	36.8	37.3
12H	42.9	43.6	43.4	44.0	44.6	35.6	36.2	36.1	36.7	37.3
12H 4H	41.9	42.7	42.3	43.2	43.7	35.7	36.6	36.2	37.1	37.6
6H	42.3	43.1	42.8	43.5	44.1	35.7	36.5	36.3	36.9	37.5
8H	42.6	43.3	43.1	43.8	44.3	35.7	36.4	36.3	36.9	37.4
CIE190: 2010										

CIE190: 2010
Area: 0.042 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

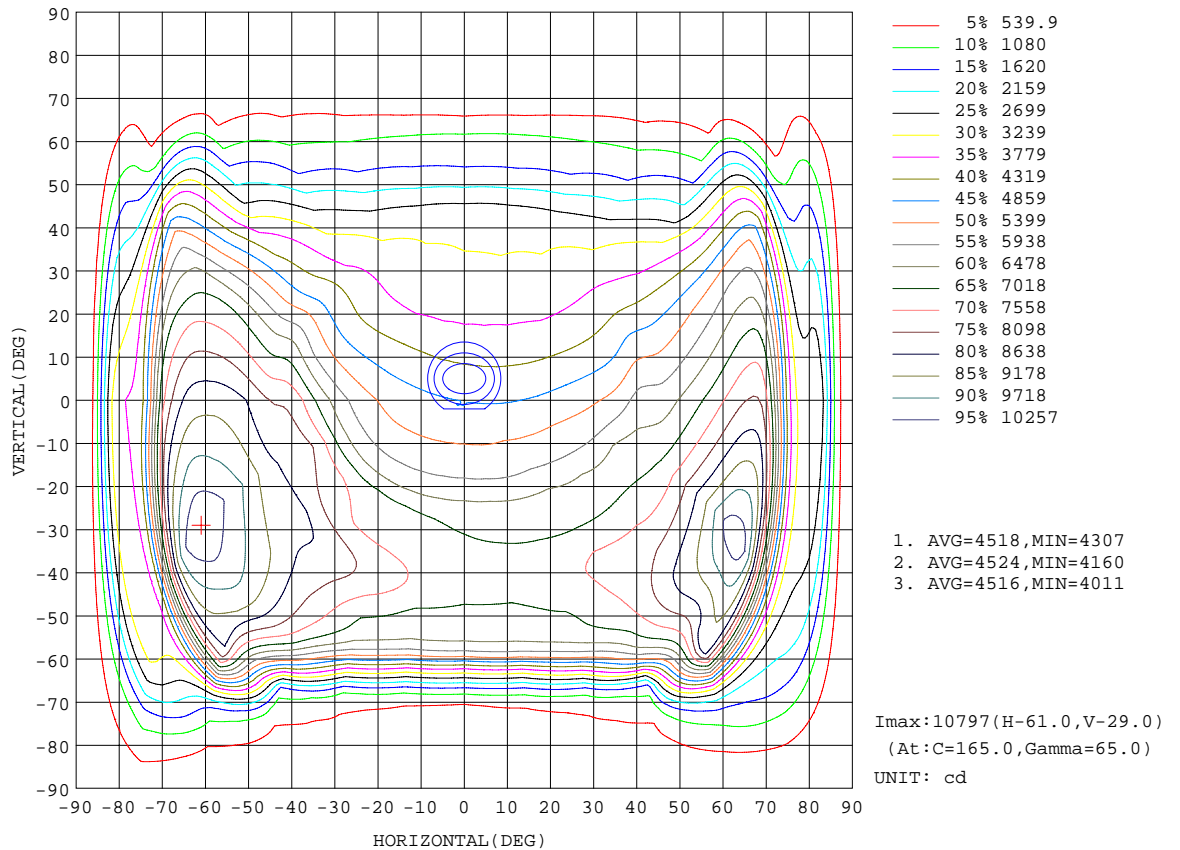
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	29	49	37	29	48	36	29	22
0.80	60	47	39	59	47	39	57	46	38	31
1.00	69	57	48	68	56	48	66	58	48	40
1.25	77	65	57	76	64	57	73	63	56	48
1.50	83	72	63	81	71	63	78	69	62	53
2.00	91	81	74	89	80	73	85	78	71	63
2.50	96	87	80	93	85	79	89	83	77	68
3.00	100	92	85	97	90	84	93	87	82	73
4.00	104	98	93	102	96	91	97	93	89	79
5.00	107	102	97	105	100	96	100	96	93	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: 25.1DEG
 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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

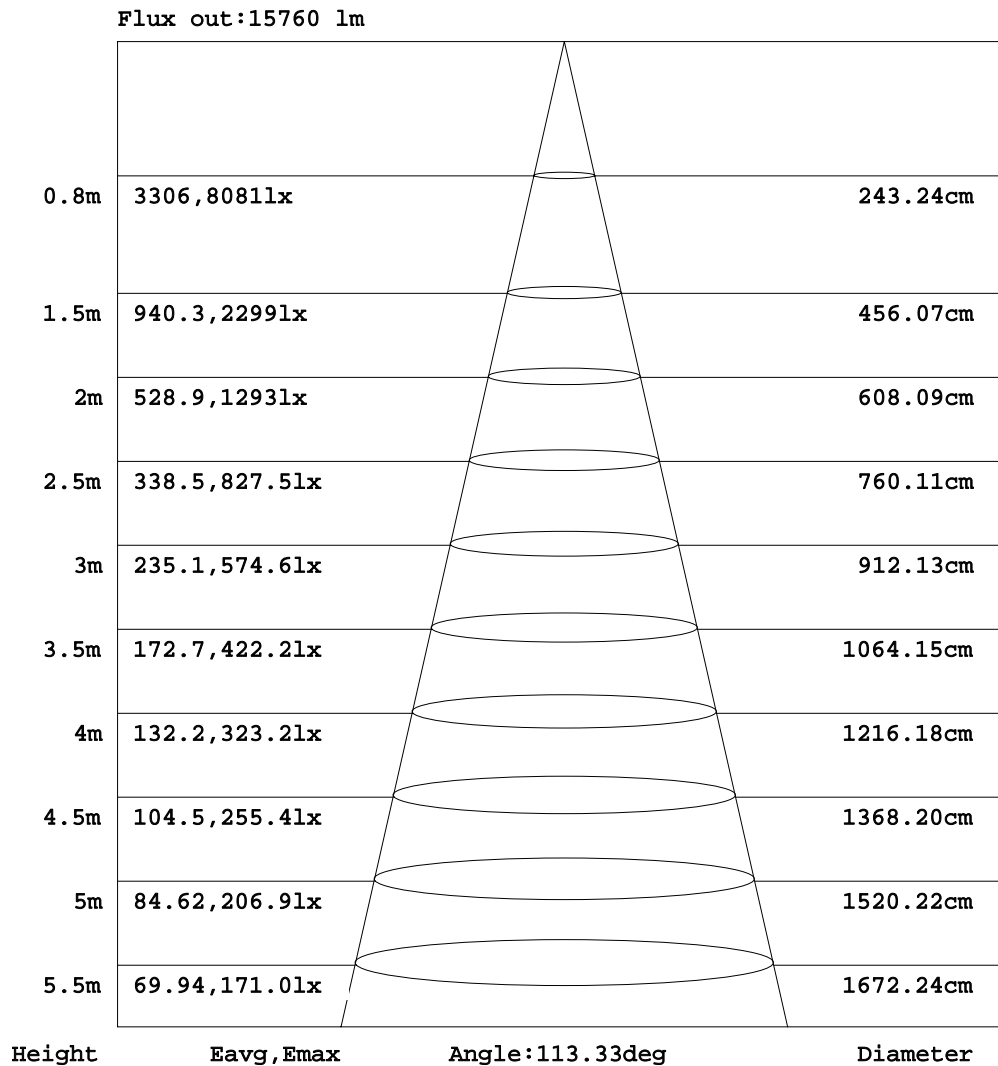


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



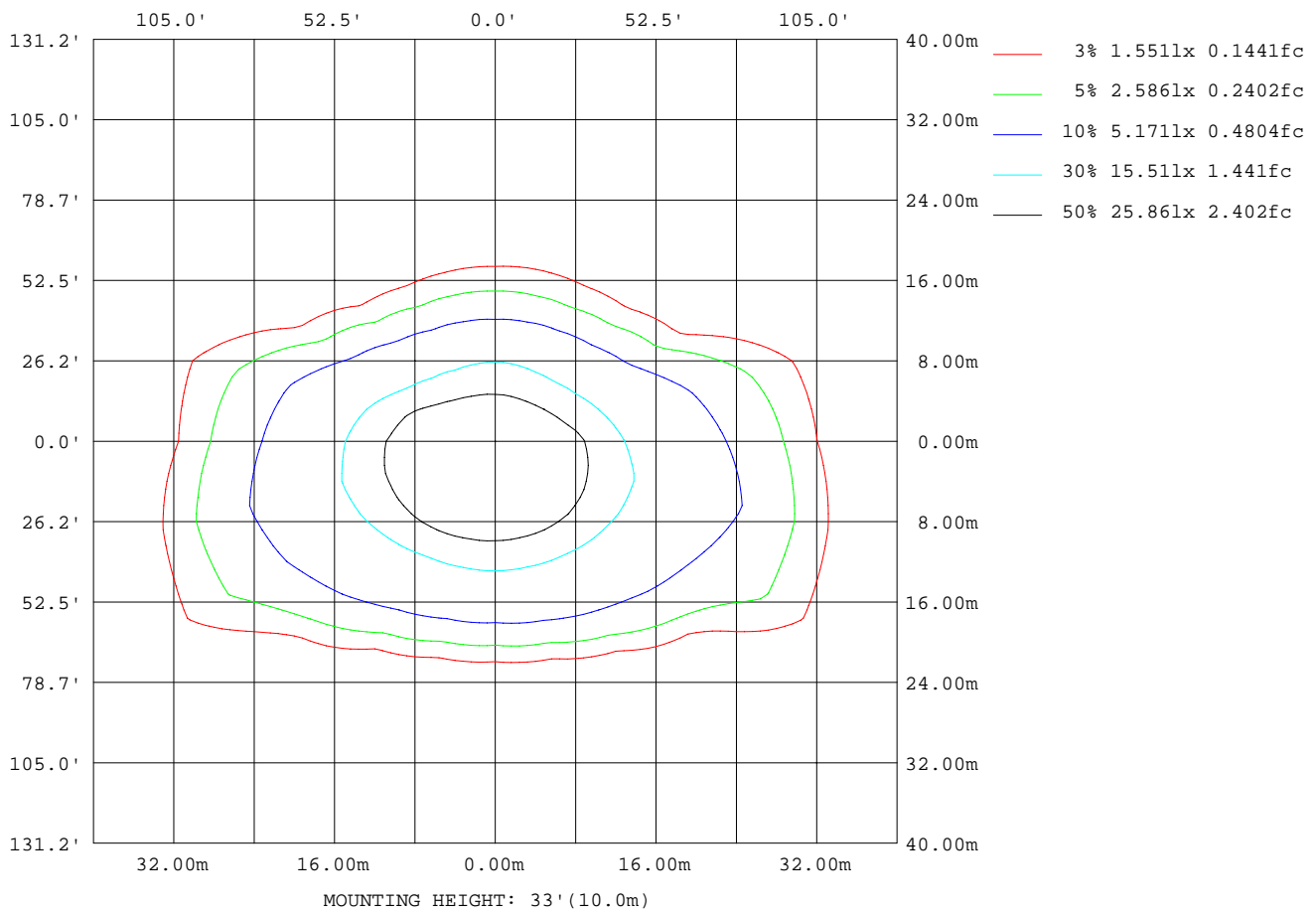
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:Alan Wang
 Test Date: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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-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: 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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

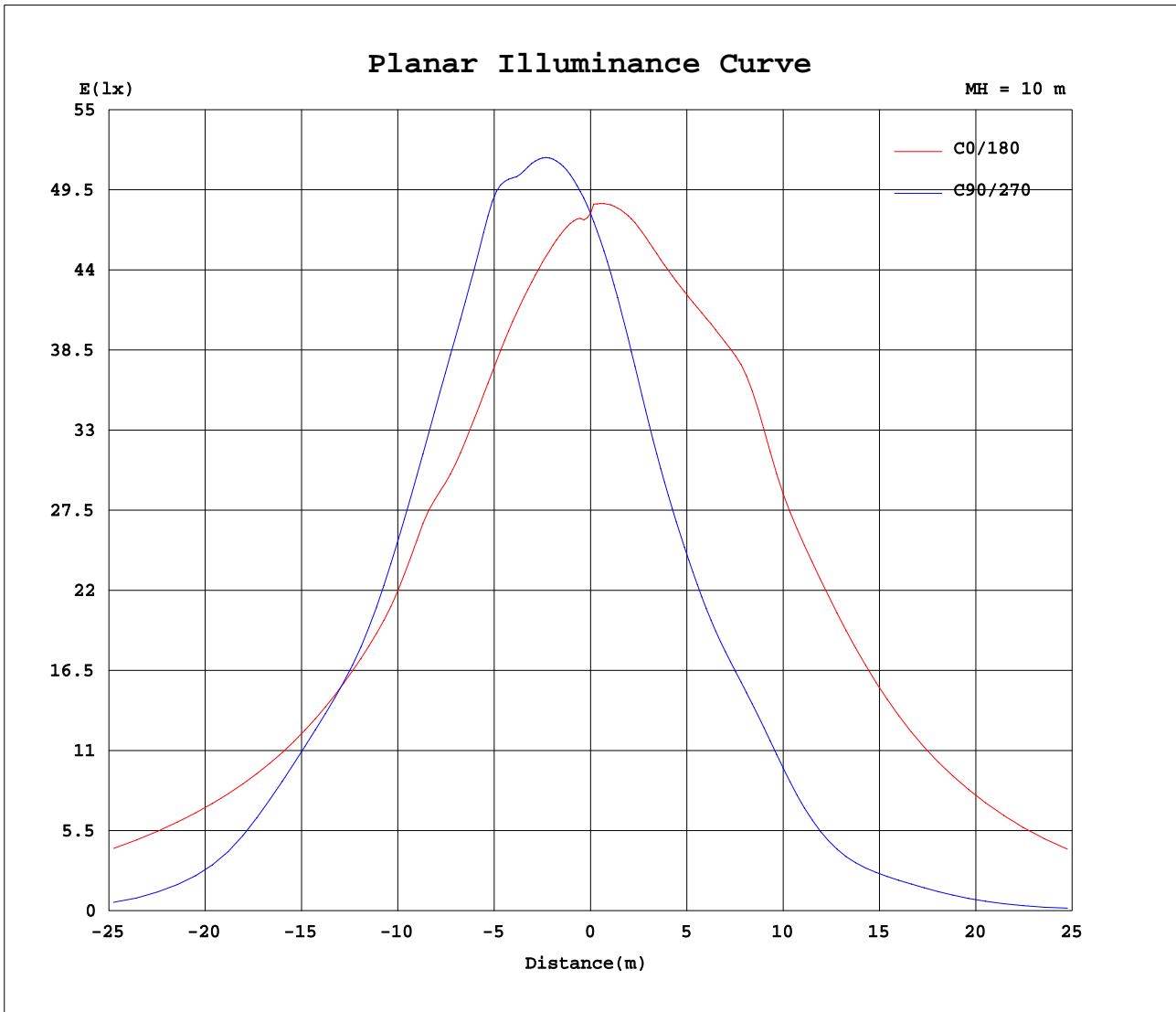
AvgL	cd/m2
L_0~180(65)av	471819
L_0~180(75)av	377305
L_0~180(85)av	370984
L_90~270(65)av	85689
L_90~270(75)av	27134
L_90~270(85)av	17784
L_45(65)av	226390
L_45(75)av	63113
L_45(85)av	41648

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 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: 25.1DEG
 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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-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	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479
5	479	490	497	503	505	506	508	507	504	500	495	493	491	482	475	467	459	454	451
10	482	499	512	525	530	536	539	538	534	527	518	508	502	484	468	452	436	427	422
15	489	514	533	550	559	568	573	571	566	557	544	529	517	490	463	437	413	399	392
20	502	534	558	580	591	603	610	609	602	591	575	557	539	500	460	422	390	373	366
25	517	557	588	619	637	657	669	671	662	643	622	602	576	516	456	406	371	354	347
30	534	585	632	661	673	686	699	708	716	721	709	678	632	540	456	398	359	338	332
35	558	640	663	678	693	707	717	725	731	743	776	786	710	579	474	399	348	327	324
40	612	674	688	714	727	727	730	743	768	781	813	842	794	644	489	382	328	318	316
45	621	693	741	756	741	720	718	736	786	840	878	863	809	656	464	347	299	283	277
50	652	747	768	766	724	686	682	694	747	831	885	917	858	675	450	311	244	217	207
55	699	829	818	757	691	665	658	663	698	808	921	984	893	697	417	253	180	162	156
60	753	934	866	730	647	559	511	538	636	784	950	1040	899	696	347	180	137	130	127
65	807	1049	848	664	430	273	239	264	398	695	938	1080	868	667	251	129	91.1	74.1	65.2
70	768	1018	875	351	139	86.1	62.1	72.6	124	393	879	999	736	595	166	75.0	46.9	33.2	31.6
75	412	561	687	96.3	55.6	36.4	32.3	36.5	54.0	104	705	543	409	415	68.4	38.9	30.2	26.7	26.7
80	317	247	190	49.7	31.0	23.1	22.3	23.5	33.8	52.3	179	352	365	79.6	27.1	20.8	18.3	18.7	16.1
85	162	117	65.5	22.3	14.3	13.0	12.9	13.1	14.7	27.2	55.5	166	110	21.9	11.1	6.98	4.10	1.87	0.08
90	11.4	14.9	9.15	2.48	4.31	4.55	3.94	4.55	4.41	4.90	11.1	26.1	5.37	4.28	2.20	0.96	0.32	0.10	0.09
95	0.34	0.27	0.15	0.08	0.07	0.28	0.06	0.27	0.26	0.12	0.32	0.54	0.61	0.68	0.52	0.39	0.26	0.18	0.15
100	0.33	0.26	0.17	0.10	0.07	0.06	0.06	0.06	0.07	0.12	0.19	0.26	0.65	0.67	0.58	0.48	0.37	0.27	0.24
105	0.38	0.29	0.20	0.12	0.08	0.07	0.06	0.06	0.10	0.16	0.23	0.32	0.67	0.68	0.62	0.54	0.47	0.36	0.33
110	0.42	0.32	0.22	0.14	0.09	0.09	0.08	0.09	0.12	0.19	0.28	0.36	0.65	0.65	0.61	0.56	0.52	0.43	0.39
115	0.47	0.36	0.25	0.16	0.12	0.11	0.10	0.11	0.16	0.23	0.32	0.40	0.62	0.63	0.61	0.58	0.55	0.48	0.44
120	0.51	0.40	0.29	0.20	0.15	0.14	0.13	0.14	0.19	0.25	0.35	0.44	0.61	0.64	0.63	0.59	0.61	0.55	0.52
125	0.57	0.45	0.33	0.24	0.18	0.17	0.16	0.18	0.22	0.26	0.38	0.48	0.62	0.68	0.66	0.66	0.68	0.63	0.61
130	0.61	0.48	0.37	0.27	0.22	0.20	0.20	0.22	0.25	0.29	0.40	0.51	0.66	0.73	0.72	0.73	0.74	0.72	0.70
135	0.63	0.51	0.40	0.31	0.26	0.24	0.24	0.26	0.29	0.33	0.40	0.53	0.68	0.74	0.76	0.77	0.77	0.77	0.77
140	0.61	0.52	0.43	0.35	0.30	0.28	0.29	0.30	0.33	0.36	0.40	0.51	0.67	0.73	0.76	0.79	0.80	0.81	0.83
145	0.57	0.51	0.44	0.39	0.34	0.33	0.34	0.35	0.37	0.39	0.41	0.49	0.67	0.71	0.76	0.80	0.82	0.84	0.87
150	0.53	0.50	0.46	0.42	0.39	0.38	0.39	0.40	0.42	0.41	0.43	0.46	0.68	0.72	0.77	0.80	0.83	0.86	0.89
155	0.53	0.52	0.49	0.46	0.44	0.44	0.45	0.46	0.47	0.46	0.46	0.48	0.70	0.73	0.77	0.81	0.83	0.86	0.90
160	0.54	0.53	0.52	0.50	0.49	0.50	0.51	0.52	0.52	0.50	0.49	0.50	0.72	0.73	0.76	0.80	0.82	0.86	0.90
165	0.55	0.56	0.55	0.55	0.54	0.56	0.57	0.58	0.58	0.55	0.54	0.52	0.73	0.73	0.75	0.77	0.78	0.81	0.85
170	0.59	0.60	0.59	0.59	0.59	0.61	0.63	0.64	0.63	0.60	0.58	0.56	0.72	0.72	0.73	0.74	0.74	0.75	0.79
175	0.65	0.67	0.66	0.65	0.65	0.67	0.68	0.69	0.68	0.66	0.64	0.63	0.73	0.72	0.73	0.74	0.73	0.74	0.76
180	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 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:277.00V I:0.6756A P:185.09W PF:0.9891 Freq:60.00Hz Lamp Flux:24420x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-185D50B-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	479	479	479	479	479														
5	450	452	455	460	466														
10	422	427	435	447	460														
15	394	402	416	435	458														
20	368	378	397	425	460														
25	348	357	379	416	463														
30	333	341	365	408	467														
35	323	329	354	407	477														
40	317	320	342	405	507														
45	284	297	322	390	507														
50	217	242	288	370	517														
55	160	175	227	334	537														
60	132	137	164	272	558														
65	74.3	93.5	119	196	575														
70	31.9	46.4	65.0	123	557														
75	26.0	28.3	35.6	53.9	374														
80	18.2	16.9	17.7	22.0	57.8														
85	1.70	3.67	4.51	7.48	18.3														
90	0.10	0.28	0.61	1.10	3.13														
95	0.18	0.26	0.44	0.57	0.62														
100	0.27	0.37	0.55	0.66	0.69														
105	0.36	0.47	0.61	0.69	0.72														
110	0.42	0.50	0.61	0.67	0.70														
115	0.46	0.52	0.61	0.66	0.69														
120	0.52	0.57	0.65	0.69	0.71														
125	0.61	0.65	0.72	0.75	0.75														
130	0.70	0.74	0.80	0.84	0.82														
135	0.76	0.78	0.83	0.88	0.85														
140	0.81	0.81	0.83	0.86	0.83														
145	0.85	0.84	0.83	0.84	0.79														
150	0.88	0.86	0.84	0.83	0.78														
155	0.91	0.89	0.86	0.84	0.78														
160	0.92	0.91	0.88	0.84	0.78														
165	0.88	0.88	0.85	0.82	0.76														
170	0.81	0.82	0.81	0.78	0.73														
175	0.78	0.78	0.78	0.75	0.70														
180	0.71	0.71	0.71	0.71	0.71														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 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: