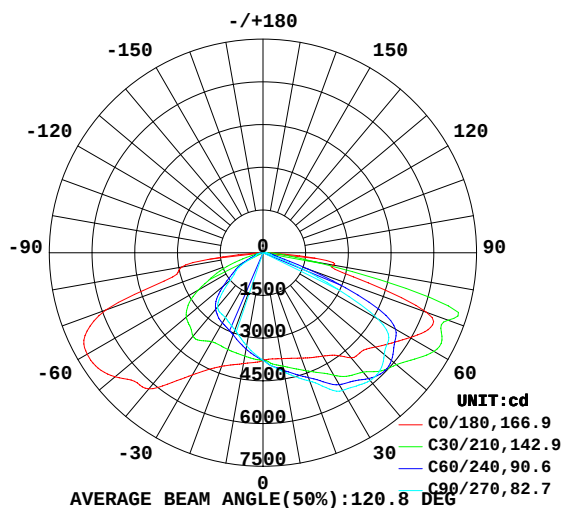


LUMINAIRE PHOTOMETRIC TEST REPORT

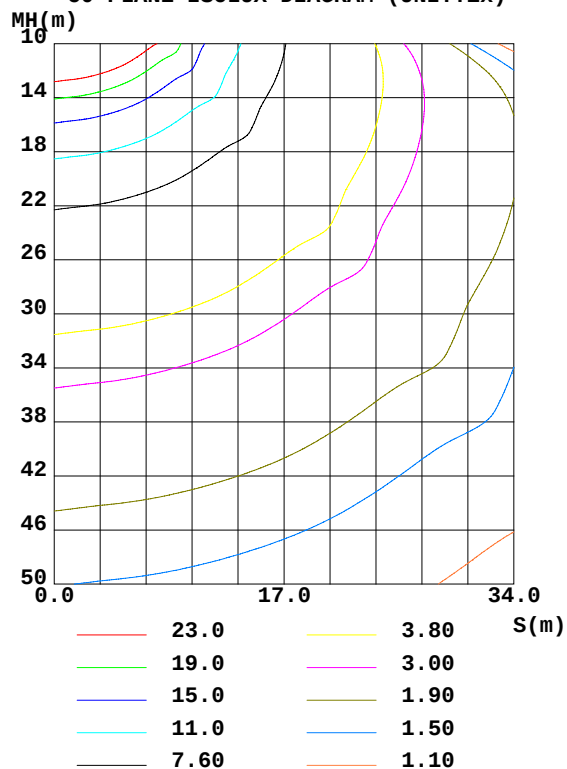
Test:U:277.00V I:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.78 lm/W			
MODEL	ASD-LSB2HV-150D50B-PRM	I _{max} (cd)	8576	S/MH(C0/180)	2.31
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.04
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	19800	η UP, DN(C0-180)	0.1, 66.6
NOMINAL FLUX(lm)	19800	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 33.2
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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 G0-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	3777	4139	4254	4161	3953	3554	3318	3434	0- 10	363.3	363.3	1.85,1.85
20	3938	4570	4798	4658	4245	3312	2890	3126	10- 20	1099	1462	7.47,7.47
30	4195	5226	5583	5668	4954	3163	2638	2893	20- 30	1896	3358	17.1,17.1
40	4816	5642	5856	6200	6237	2977	2481	2704	30- 40	2801	6159	31.4,31.4
50	5151	6150	5562	6739	6774	2391	1505	2203	40- 50	3569	9728	49.7,49.7
60	5961	5975	4665	6404	7129	1342	883.4	1233	50- 60	3967	13695	69.9,69.9
70	6103	3715	794.9	3928	5868	515.2	253.1	449.4	60- 70	3645	17340	88.5,88.5
80	2509	480.0	198.0	498.0	2893	142.0	87.87	118.5	70- 80	1827	19167	97.9,97.9
90	91.40	41.34	51.97	65.50	43.15	5.442	0.8420	3.657	80- 90	384.0	19551	99.8,99.8
100	2.678	0.7804	0.4570	0.9154	5.197	3.968	2.192	4.550	90-100	13.25	19564	99.9,99.9
110	3.332	1.090	0.5793	1.486	5.201	4.563	3.243	4.890	100-110	3.025	19567	99.9,99.9
120	4.070	1.521	0.9757	1.938	4.872	4.866	4.372	5.312	110-120	3.216	19570	99.9,99.9
130	4.841	2.081	1.516	2.267	5.255	5.969	5.809	6.543	120-130	3.508	19574	99.9,99.9
140	4.805	2.700	2.213	2.825	5.327	6.304	6.744	6.684	130-140	3.517	19577	100,100
150	4.188	3.288	3.013	3.261	5.411	6.419	7.200	6.761	140-150	3.021	19581	100,100
160	4.317	3.939	3.989	3.985	5.786	6.348	7.176	6.987	150-160	2.366	19583	100,100
170	4.751	4.692	4.959	4.837	5.816	5.902	6.228	6.338	160-170	1.513	19584	100,100
180	5.546	5.546	5.546	5.546	5.692	5.692	5.692	5.692	170-180	0.5231	19585	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 7874.8 lm

%lum = 40.2%

%lamp = 40.2%

Conical surface Flux(120deg): 13695 lm

%lum = 69.9%

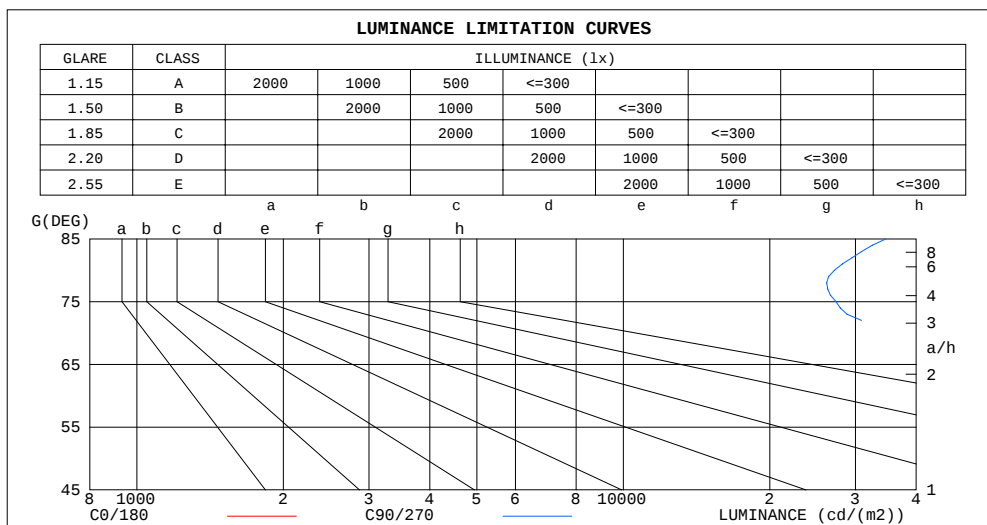
%lamp = 69.9%

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 G0-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:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	351575	34624
80	344072	27149
75	303294	27384
70	424866	55338
65	360238	140432
60	283838	222126
55	229314	223275
50	190797	206007
45	164984	196000

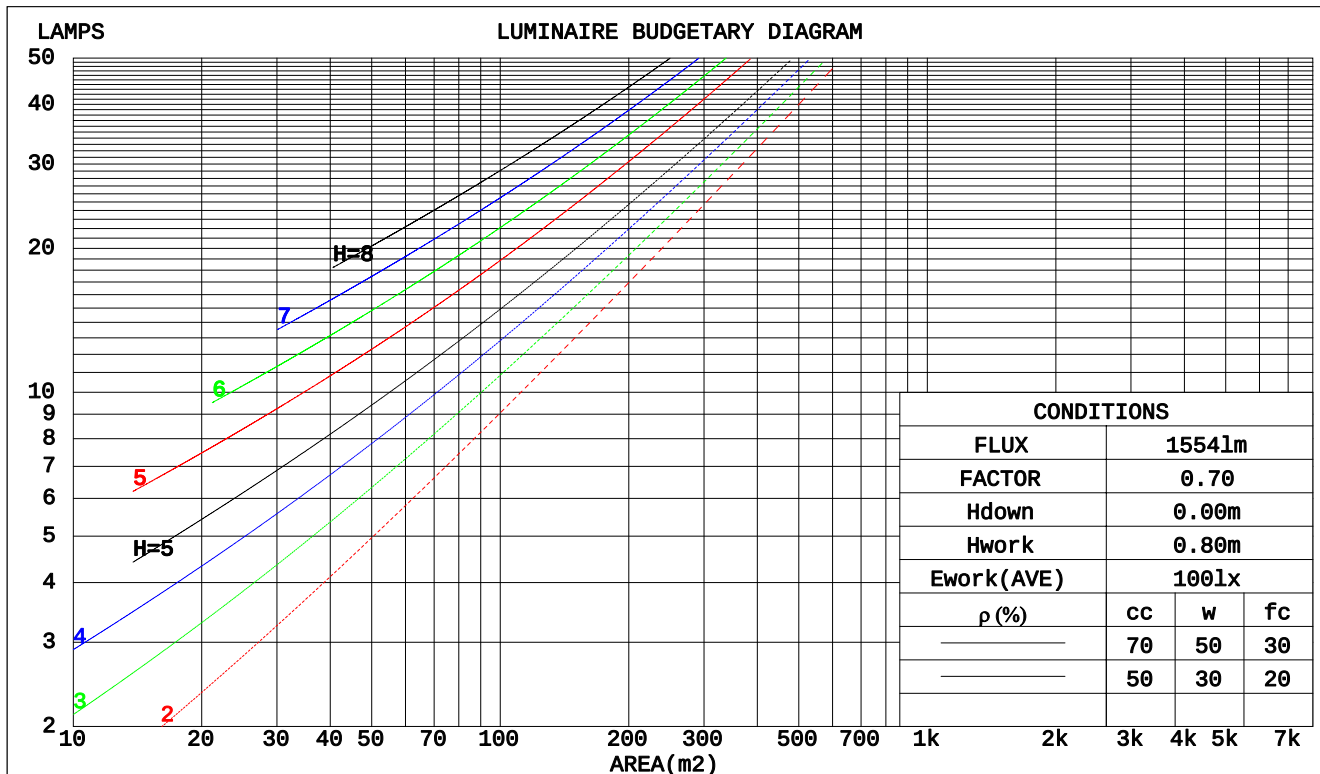
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-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:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	.87	.85	.83	.81
2.0	.87	.79	.72	.85	.78	.71	.81	.75	.70	.78	.73	.68	.74	.70	.66	.64
3.0	.74	.65	.58	.73	.64	.57	.70	.62	.56	.67	.60	.55	.64	.59	.54	.52
4.0	.64	.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	.38	.51	.44	.38	.49	.43	.38	.35
6.0	.50	.40	.33	.49	.40	.33	.47	.39	.33	.45	.38	.32	.44	.37	.32	.30
7.0	.45	.35	.29	.44	.35	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.25
8.0	.40	.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	.19
10.0	.34	.25	.20	.33	.25	.19	.32	.25	.19	.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 G0-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:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm					
NAME: ASD Lighting Corp			TYPE: LED		WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM			DIM.:		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:		Shielding Angle:

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.348	.198	.063	.341	.194	.062	.327	.188	.060	.314	.181	.058	.303	.176	.057		
2.0	.328	.180	.055	.322	.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	.272	.142	.042	.262	.139	.042	.253	.136	.041	.245	.133	.041		
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	.213	.106	.030	.206	.104	.030	.199	.102	.030	.193	.100	.030		
8.0	.201	.098	.028	.197	.097	.027	.191	.096	.027	.186	.094	.027	.180	.092	.027		
9.0	.187	.090	.025	.184	.090	.025	.179	.088	.025	.173	.087	.025	.169	.086	.025		
10.0	.175	.084	.023	.172	.083	.023	.167	.082	.023	.163	.081	.023	.158	.080	.023		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	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	.158	.135	.114	.108	.093	.079	.062	.054	.046	.020	.017	.015	
2.0	.178	.133	.095	.153	.115	.082	.105	.079	.057	.060	.046	.034	.019	.015	.011	
3.0	.172	.116	.071	.147	.100	.062	.101	.069	.043	.058	.041	.025	.019	.013	.008	
4.0	.165	.103	.056	.142	.089	.048	.097	.062	.034	.056	.036	.020	.018	.012	.007	
5.0	.158	.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	.068	.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	.009	.003	
9.0	.130	.067	.025	.112	.058	.022	.078	.041	.016	.045	.024	.009	.015	.008	.003	
10.0	.124	.063	.023	.107	.055	.020	.074	.039	.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 G0-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:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm												
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:				
SPEC.: ASD-LSB2HV-150D50B-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	3H	39.0	40.7	39.4	41.0	41.3	32.8	34.5	33.2	34.8	35.2	
	4H	39.8	41.4	40.2	41.7	42.1	32.8	34.4	33.2	34.7	35.1	
	6H	40.2	41.6	40.6	42.0	42.4	32.8	34.2	33.2	34.6	35.0	
	8H	40.4	41.8	40.9	42.2	42.6	32.8	34.2	33.2	34.5	34.9	
	12H	40.6	42.0	41.1	42.3	42.8	32.8	34.1	33.2	34.5	34.9	
	4H	2H	35.3	36.9	35.7	37.2	37.6	34.1	35.6	34.5	36.0	36.3
		3H	40.0	41.3	40.4	41.7	42.1	34.3	35.6	34.7	36.0	36.4
		4H	41.2	42.4	41.6	42.8	43.2	34.3	35.5	34.7	35.9	36.3
		6H	41.6	42.7	42.1	43.1	43.6	34.3	35.3	34.8	35.8	36.2
		8H	41.9	42.8	42.3	43.3	43.7	34.3	35.3	34.8	35.7	36.2
		12H	42.1	43.0	42.6	43.4	43.9	34.3	35.2	34.8	35.7	36.1
	8H	4H	41.2	42.2	41.7	42.6	43.1	35.4	36.3	35.8	36.8	37.2
		6H	41.7	42.6	42.2	43.0	43.5	35.4	36.2	35.8	36.7	37.1
		8H	42.0	42.8	42.5	43.3	43.8	35.3	36.1	35.9	36.6	37.1
		12H	42.3	43.0	42.8	43.5	44.0	35.4	36.0	35.9	36.5	37.1
	12H	4H	41.2	42.1	41.7	42.6	43.0	35.5	36.4	36.0	36.9	37.3
		6H	41.7	42.5	42.2	42.9	43.5	35.5	36.3	36.0	36.7	37.3
		8H	42.0	42.7	42.5	43.2	43.7	35.5	36.2	36.0	36.7	37.2
	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 G0-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:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

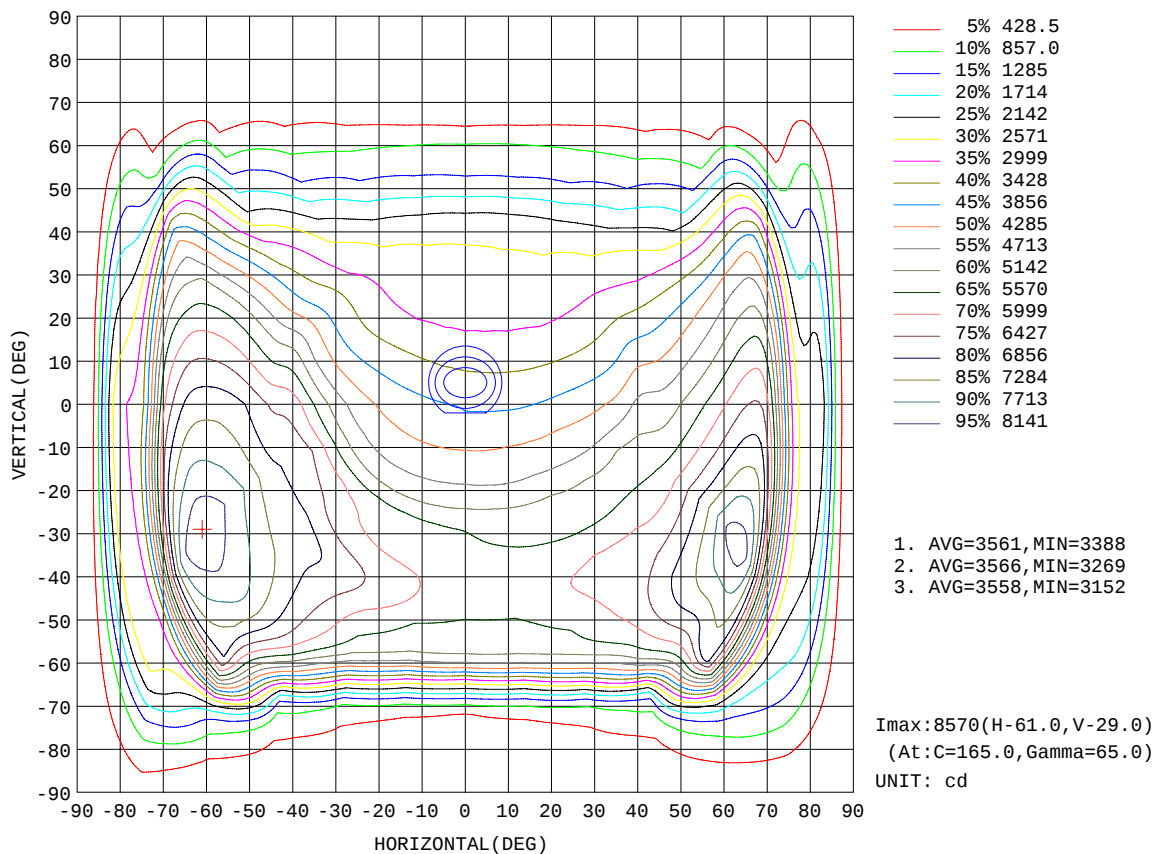
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	29	49	37	29	48	36	29	22
0.80	60	47	39	59	46	38	57	46	38	30
1.00	69	56	48	68	56	48	65	58	47	39
1.25	77	65	57	75	64	56	72	62	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	78	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: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

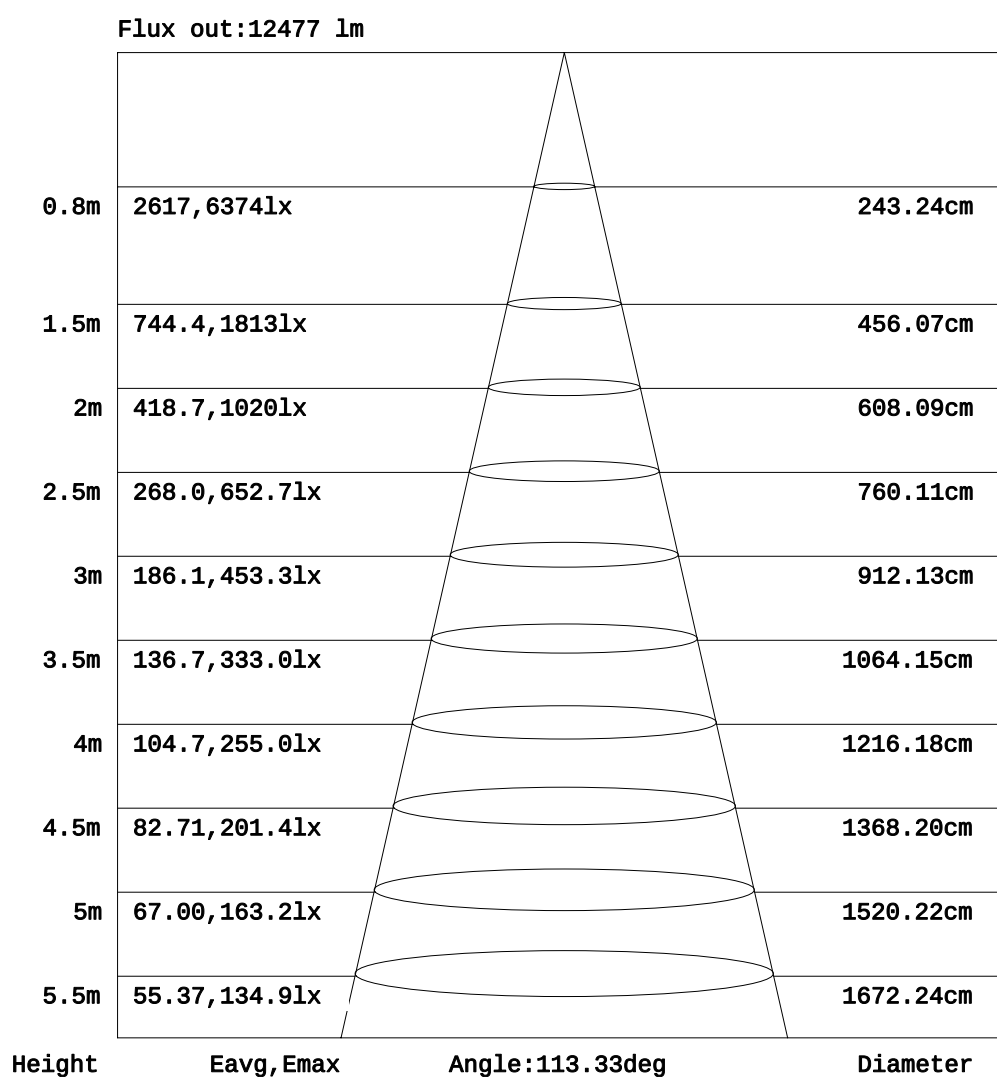


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

AAI Figure

Test:U:277.00V I:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



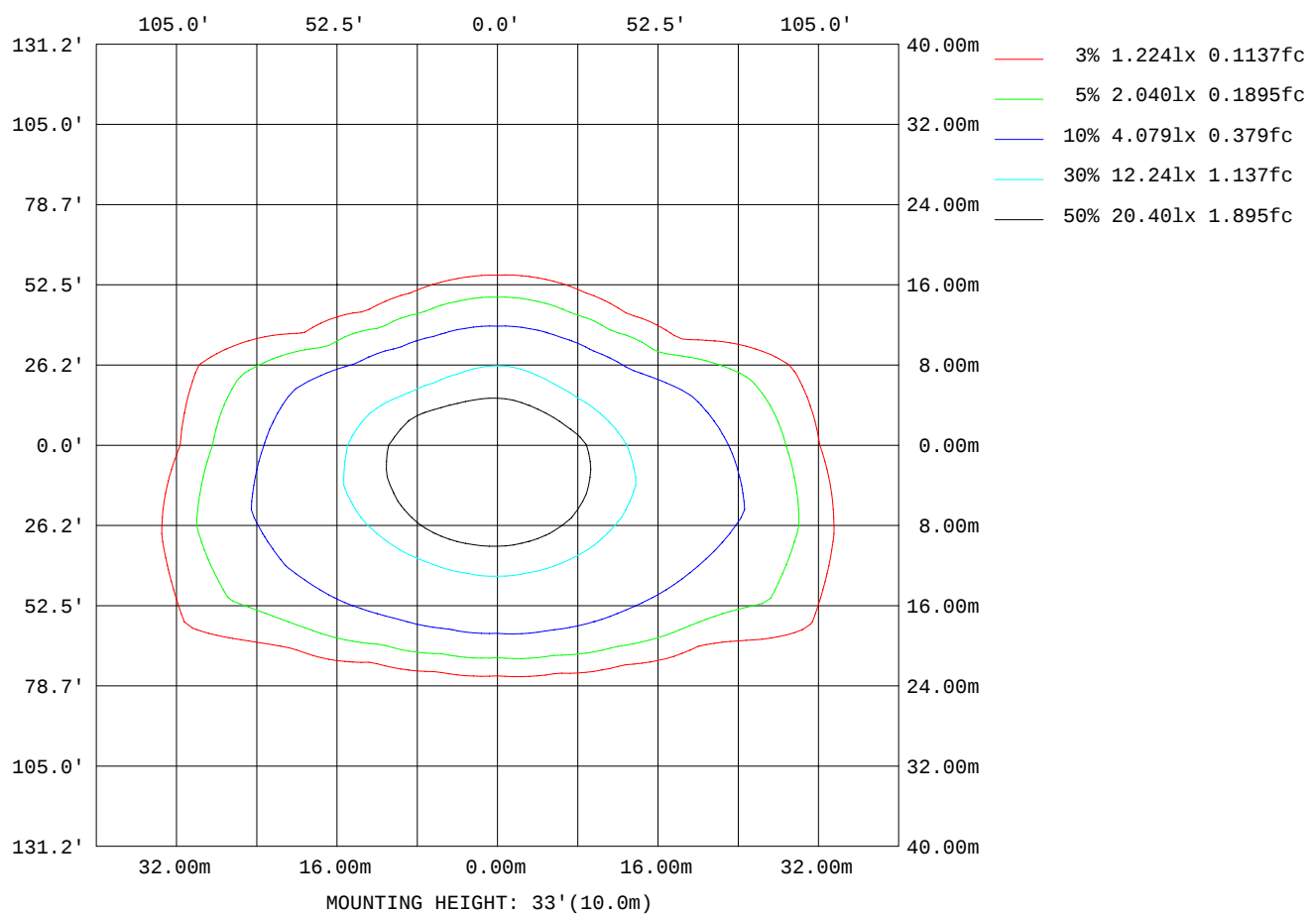
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:277.00V I:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19584.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-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 G0-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:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

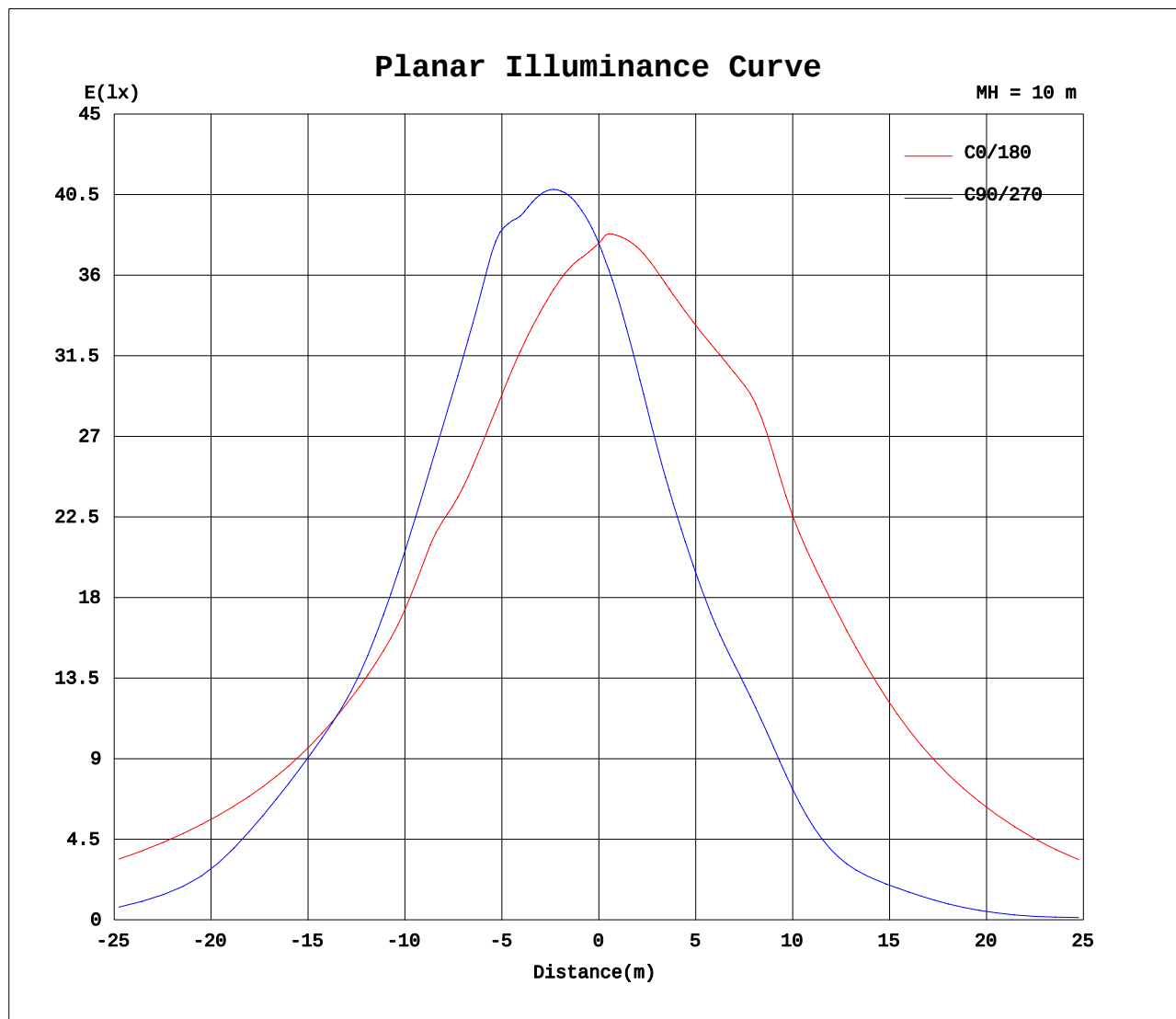
AvgL	cd/m2
L_0~180(65)av	374433
L_0~180(75)av	302664
L_0~180(85)av	295631
L_90~270(65)av	80794
L_90~270(75)av	22521
L_90~270(85)av	17344
L_45(65)av	186583
L_45(75)av	64641
L_45(85)av	39350

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 G0-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 G0-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:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-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	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778	3778
5	3743	3825	3920	3973	4005	4008	4007	3996	3975	3948	3950	3924	3869	3809	3742	3673	3615	3577	3552
10	3777	3927	4045	4139	4193	4228	4254	4243	4212	4161	4100	4044	3953	3820	3688	3554	3433	3359	3318
15	3839	4047	4206	4337	4416	4479	4519	4508	4465	4395	4302	4203	4074	3861	3645	3433	3247	3136	3082
20	3938	4207	4407	4570	4665	4749	4798	4791	4741	4658	4545	4419	4245	3937	3615	3312	3071	2945	2890
25	4060	4392	4644	4861	4997	5137	5224	5216	5146	5032	4899	4761	4525	4055	3587	3198	2938	2802	2748
30	4195	4610	4965	5226	5351	5472	5583	5648	5694	5668	5538	5331	4954	4244	3607	3163	2849	2686	2638
35	4395	5016	5279	5403	5505	5617	5713	5783	5848	5970	6183	6163	5557	4573	3767	3156	2748	2613	2590
40	4816	5341	5472	5642	5768	5814	5856	5948	6084	6200	6506	6691	6237	5058	3826	2977	2590	2500	2481
45	4900	5497	5870	6012	5946	5827	5821	5973	6330	6703	6984	6871	6380	5119	3638	2712	2305	2129	2063
50	5151	5891	6116	6150	5888	5609	5562	5701	6147	6739	7105	7280	6774	5290	3514	2391	1819	1592	1505
55	5524	6527	6508	6125	5628	5397	5379	5412	5721	6570	7379	7805	7066	5442	3213	1891	1338	1227	1191
60	5961	7340	6932	5975	5373	4909	4665	4778	5347	6404	7640	8241	7129	5414	2625	1342	1019	927	883
65	6394	8263	6933	5541	4115	2875	2493	2751	3885	5890	7625	8576	6898	5158	1904	948	620	465	376
70	6103	8170	6923	3715	1691	983	795	891	1561	3928	7126	8015	5868	4581	1211	515	335	252	253
75	3297	4829	6054	1085	525	354	298	347	491	1190	6042	4715	3283	3018	486	282	216	199	192
80	2509	2092	1861	480	296	210	198	215	314	498	1880	2822	2893	582	193	142	116	106	87.9
85	1287	1045	630	238	151	129	127	129	161	273	557	1485	877	166	75.5	39.7	15.5	3.32	0.23
90	91.4	148	101	41.3	51.0	53.9	52.0	53.9	51.7	65.5	121	252	43.2	31.1	12.8	5.44	1.68	0.97	0.84
95	2.76	3.08	5.56	1.40	4.20	7.06	4.41	7.11	6.17	3.03	5.35	8.59	4.87	5.33	4.25	3.29	2.31	1.64	1.45
100	2.68	2.01	1.35	0.78	0.52	0.49	0.46	0.46	0.56	0.92	1.43	2.10	5.20	5.36	4.75	3.97	3.20	2.42	2.19
105	3.03	2.31	1.57	0.94	0.61	0.57	0.49	0.53	0.72	1.19	1.80	2.49	5.40	5.47	4.98	4.40	3.89	3.08	2.84
110	3.33	2.54	1.74	1.09	0.71	0.65	0.58	0.65	0.93	1.49	2.17	2.88	5.20	5.21	4.92	4.56	4.22	3.57	3.24
115	3.75	2.82	1.93	1.23	0.88	0.81	0.75	0.85	1.20	1.74	2.48	3.18	5.00	5.10	4.95	4.67	4.50	4.04	3.69
120	4.07	3.14	2.21	1.52	1.11	1.03	0.98	1.09	1.45	1.94	2.73	3.47	4.87	5.16	5.07	4.87	5.02	4.63	4.37
125	4.51	3.51	2.55	1.82	1.37	1.27	1.23	1.36	1.72	2.06	2.98	3.79	4.95	5.43	5.40	5.44	5.61	5.29	5.13
130	4.84	3.78	2.84	2.08	1.65	1.52	1.52	1.66	1.96	2.27	3.13	4.04	5.25	5.82	5.84	5.97	6.00	5.91	5.81
135	4.96	4.03	3.13	2.40	1.97	1.84	1.85	1.98	2.22	2.55	3.17	4.14	5.40	5.91	6.09	6.21	6.25	6.28	6.33
140	4.80	4.06	3.34	2.70	2.32	2.19	2.21	2.33	2.55	2.83	3.21	4.02	5.33	5.77	6.07	6.30	6.46	6.58	6.74
145	4.48	4.00	3.48	3.00	2.67	2.55	2.59	2.70	2.90	3.04	3.25	3.85	5.33	5.69	6.06	6.37	6.59	6.79	7.03
150	4.19	3.93	3.61	3.29	3.01	2.95	3.01	3.11	3.25	3.26	3.38	3.70	5.41	5.71	6.12	6.42	6.63	6.90	7.20
155	4.24	4.10	3.87	3.62	3.40	3.39	3.48	3.57	3.65	3.60	3.63	3.83	5.58	5.80	6.13	6.44	6.67	6.93	7.28
160	4.32	4.24	4.09	3.94	3.83	3.87	3.99	4.06	4.09	3.98	3.89	3.99	5.79	5.88	6.07	6.35	6.54	6.79	7.18
165	4.46	4.45	4.38	4.32	4.27	4.36	4.47	4.54	4.53	4.39	4.28	4.22	5.82	5.86	5.94	6.09	6.20	6.38	6.72
170	4.75	4.76	4.73	4.69	4.72	4.83	4.96	5.00	4.97	4.84	4.69	4.55	5.82	5.82	5.84	5.90	5.92	5.99	6.23
175	5.29	5.20	5.11	5.06	5.09	5.19	5.28	5.33	5.33	5.25	5.15	5.06	5.85	5.84	5.83	5.86	5.87	5.83	5.91
180	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.69	5.69	5.69	5.69	5.69	5.69	5.69

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 G0-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:0.5413A P:149.76W PF:0.9988 Freq:60.00Hz Lamp Flux:19800x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-150D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	3778	3778	3778	3778	3778													
5	3554	3568	3596	3636	3685													
10	3326	3364	3434	3528	3635													
15	3099	3164	3278	3434	3614													
20	2904	2977	3126	3350	3621													
25	2759	2828	2992	3275	3643													
30	2646	2710	2893	3226	3678													
35	2586	2624	2812	3222	3771													
40	2499	2537	2704	3192	3989													
45	2141	2291	2527	3073	3983													
50	1578	1788	2203	2894	4069													
55	1216	1301	1695	2579	4214													
60	950	1030	1233	2067	4361													
65	461	629	868	1493	4472													
70	243	325	449	905	4290													
75	196	202	253	399	2691													
80	101	108	118	154	435													
85	2.93	13.4	25.8	47.3	141													
90	0.97	1.59	3.66	6.96	21.6													
95	1.64	2.36	3.71	4.69	4.96													
100	2.42	3.24	4.55	5.34	5.46													
105	3.08	3.89	4.90	5.52	5.72													
110	3.46	4.08	4.89	5.39	5.49													
115	3.79	4.27	4.96	5.35	5.46													
120	4.36	4.72	5.31	5.59	5.59													
125	5.16	5.47	5.94	6.13	5.97													
130	5.77	6.07	6.54	6.80	6.48													
135	6.21	6.35	6.73	7.01	6.62													
140	6.61	6.57	6.68	6.82	6.39													
145	6.92	6.75	6.67	6.65	6.10													
150	7.15	6.97	6.76	6.60	5.92													
155	7.32	7.18	6.90	6.63	5.85													
160	7.31	7.25	6.99	6.65	5.77													
165	6.92	6.95	6.74	6.40	5.54													
170	6.44	6.48	6.34	6.01	5.30													
175	6.06	6.06	5.91	5.52	5.36													
180	5.69	5.69	5.69	5.69	5.69													

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 G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks: