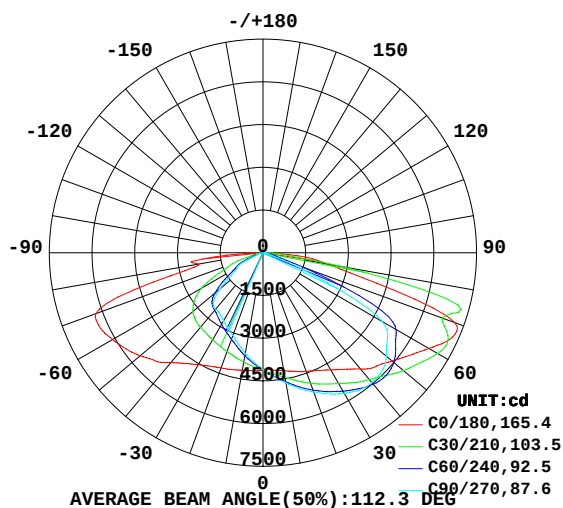


LUMINAIRE PHOTOMETRIC TEST REPORT

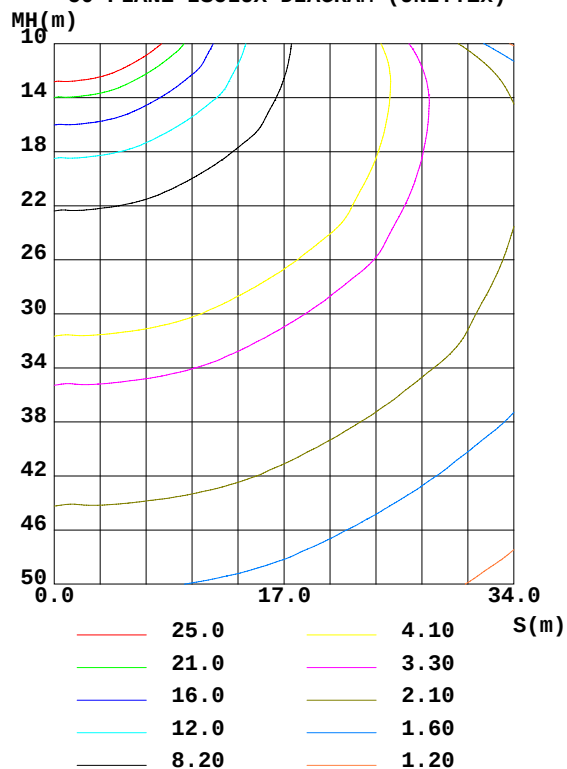
Test:U:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.87 lm/W			
MODEL ASD-LSB2-150D50W-PRM		I _{max} (cd)	8769	S/MH(C0/180)	1.87
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.00
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	19800	η UP, DN(C0-180)	0.1, 65.9
NOMINAL FLUX(lm)	19800	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 34.0
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

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: 17 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	4205	4534	4642	4475	4195	3773	3590	3761	0- 10	393.9	393.9	1.94, 1.94
20	4441	5024	5204	4898	4308	3427	3096	3446	10- 20	1186	1580	7.78, 7.78
30	4749	5500	5699	5316	4537	3133	2769	3177	20- 30	1984	3564	17.5, 17.5
40	5331	5953	5947	5779	5038	2880	2593	2976	30- 40	2795	6359	31.3, 31.3
50	5915	6335	5649	6281	5632	2492	1969	2591	40- 50	3572	9931	48.9, 48.9
60	6724	6111	4838	6156	6096	1490	1062	1633	50- 60	3999	13930	68.6, 68.6
70	7159	4447	717.4	4814	6245	615.9	245.4	709.7	60- 70	3790	17721	87.2, 87.2
80	2300	481.1	188.9	551.1	2307	151.2	120.3	148.8	70- 80	2138	19858	97.7, 97.7
90	90.45	39.90	32.01	38.13	57.57	5.361	0.8533	5.933	80- 90	424.3	20283	99.8, 99.8
100	2.650	0.7722	0.4638	1.202	5.786	4.178	2.275	4.673	90-100	12.04	20295	99.9, 99.9
110	3.273	1.074	0.6896	1.847	5.723	4.845	3.423	4.870	100-110	3.184	20298	99.9, 99.9
120	3.925	1.507	1.156	2.326	5.373	5.206	4.431	5.136	110-120	3.358	20301	99.9, 99.9
130	4.682	2.050	1.761	2.661	5.809	6.407	5.889	6.299	120-130	3.637	20305	99.9, 99.9
140	4.451	2.690	2.517	3.228	5.857	6.776	6.893	6.545	130-140	3.649	20308	100, 100
150	4.026	3.283	3.359	3.577	5.922	6.913	7.410	6.682	140-150	3.143	20312	100, 100
160	4.320	4.000	4.376	4.267	6.212	6.823	7.590	7.072	150-160	2.483	20314	100, 100
170	4.804	4.835	5.332	5.057	6.098	6.215	6.667	6.671	160-170	1.602	20316	100, 100
180	5.836	5.836	5.836	5.836	5.902	5.902	5.902	5.902	170-180	0.5502	20316	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 8063.3 lm

%lum = 39.7%

%lamp = 39.7%

Conical surface Flux(120deg): 13930 lm

%lum = 68.6%

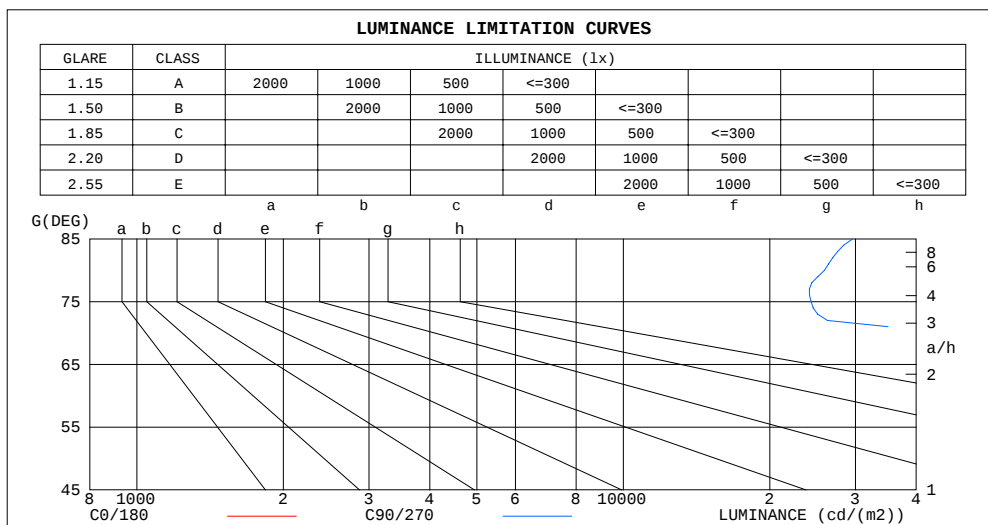
%lamp = 68.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	335778	29590
80	315303	25907
75	379658	24332
70	498348	49942
65	406872	141879
60	320176	230361
55	260803	221366
50	219091	209261
45	189617	198490

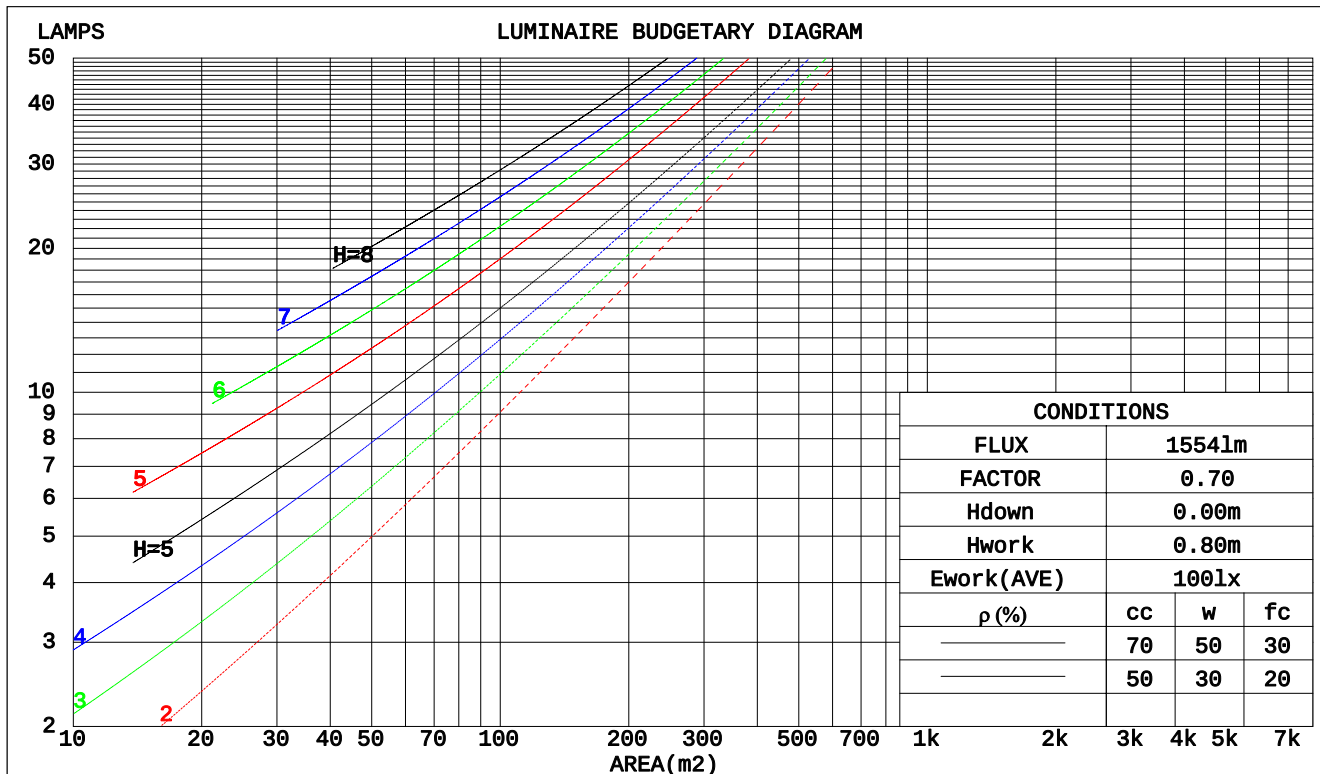
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-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	.92	.99	.95	.91	.95	.91	.88	.91	.88	.85	.87	.85	.82	.80
2.0	.86	.78	.72	.84	.77	.71	.80	.74	.69	.77	.72	.67	.74	.70	.66	.64
3.0	.74	.65	.57	.72	.64	.57	.69	.62	.56	.66	.60	.54	.63	.58	.53	.51
4.0	.64	.54	.47	.63	.53	.46	.60	.52	.46	.58	.51	.45	.55	.49	.44	.42
5.0	.56	.46	.39	.55	.46	.39	.53	.45	.38	.51	.43	.38	.49	.42	.37	.35
6.0	.50	.40	.33	.49	.40	.33	.47	.39	.32	.45	.38	.32	.44	.37	.32	.29
7.0	.45	.35	.28	.44	.35	.28	.42	.34	.28	.41	.33	.28	.39	.33	.27	.25
8.0	.40	.31	.25	.40	.31	.25	.38	.30	.24	.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: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm									
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:	
SPEC.: ASD-LSB2-150D50W-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 Coeffcients(WEC)										
0.0																	
1.0	.354	.201	.064	.347	.198	.063	.333	.191	.061	.321	.185	.059	.309	.179	.058		
2.0	.332	.182	.056	.326	.180	.055	.314	.174	.054	.303	.170	.053	.292	.165	.052		
3.0	.305	.162	.049	.299	.160	.048	.288	.156	.047	.278	.152	.047	.269	.149	.046		
4.0	.279	.145	.043	.273	.143	.042	.264	.140	.042	.255	.137	.041	.246	.134	.041		
5.0	.255	.130	.038	.251	.129	.037	.242	.126	.037	.234	.123	.037	.226	.121	.036		
6.0	.234	.118	.034	.230	.116	.034	.223	.114	.033	.216	.112	.033	.209	.110	.033		
7.0	.217	.107	.030	.213	.106	.030	.206	.104	.030	.200	.102	.030	.194	.101	.030		
8.0	.201	.098	.028	.198	.097	.027	.191	.096	.027	.186	.094	.027	.180	.093	.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	.185	.157	.132	.158	.135	.114	.108	.093	.079	.062	.054	.046	.020	.017	.015	
2.0	.179	.133	.094	.153	.114	.082	.105	.079	.057	.061	.046	.033	.019	.015	.011	
3.0	.172	.116	.071	.148	.100	.061	.102	.069	.043	.059	.041	.025	.019	.013	.008	
4.0	.165	.103	.055	.142	.089	.048	.098	.062	.034	.056	.036	.020	.018	.012	.007	
5.0	.158	.093	.045	.136	.080	.039	.093	.056	.028	.054	.033	.016	.017	.011	.005	
6.0	.151	.085	.037	.129	.073	.033	.089	.051	.023	.052	.030	.014	.017	.010	.005	
7.0	.143	.078	.032	.123	.068	.028	.085	.047	.020	.050	.028	.012	.016	.009	.004	
8.0	.137	.072	.028	.118	.063	.024	.081	.044	.017	.047	.026	.010	.015	.009	.003	
9.0	.130	.067	.025	.112	.058	.022	.078	.041	.015	.045	.024	.009	.015	.008	.003	
10.0	.124	.063	.023	.107	.055	.020	.074	.038	.014	.043	.023	.008	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-LSB2-150D50W-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	34.7	36.5	35.1	36.8	37.1	32.5	34.3	32.9	34.6	35.0
3H	39.2	40.9	39.6	41.2	41.6	32.7	34.4	33.1	34.7	35.1
4H	40.3	41.9	40.7	42.3	42.6	32.7	34.3	33.1	34.6	35.0
6H	40.7	42.2	41.1	42.5	42.9	32.7	34.1	33.1	34.5	34.9
8H	40.9	42.3	41.3	42.7	43.1	32.7	34.1	33.1	34.4	34.8
12H	41.0	42.4	41.5	42.8	43.2	32.7	34.0	33.1	34.4	34.8
4H 2H	35.5	37.0	35.9	37.4	37.7	34.0	35.6	34.4	35.9	36.3
3H	40.1	41.4	40.5	41.8	42.2	34.3	35.6	34.7	36.0	36.4
4H	41.7	42.9	42.1	43.3	43.7	34.3	35.5	34.7	35.9	36.3
6H	42.2	43.2	42.6	43.7	44.1	34.3	35.3	34.7	35.8	36.2
8H	42.4	43.4	42.9	43.8	44.3	34.3	35.3	34.7	35.7	36.2
12H	42.6	43.5	43.1	44.0	44.5	34.3	35.2	34.7	35.6	36.1
8H 4H	41.7	42.7	42.2	43.2	43.6	35.6	36.6	36.0	37.0	37.5
6H	42.4	43.3	42.9	43.7	44.2	35.6	36.4	36.1	36.9	37.4
8H	42.7	43.4	43.2	43.9	44.4	35.6	36.3	36.1	36.8	37.3
12H	43.1	43.7	43.6	44.2	44.8	35.6	36.2	36.1	36.7	37.3
12H 4H	41.7	42.6	42.2	43.1	43.6	36.0	36.9	36.5	37.4	37.8
6H	42.4	43.2	42.9	43.6	44.2	36.0	36.7	36.5	37.2	37.7
8H	42.7	43.4	43.2	43.9	44.4	36.0	36.6	36.5	37.1	37.7
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: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

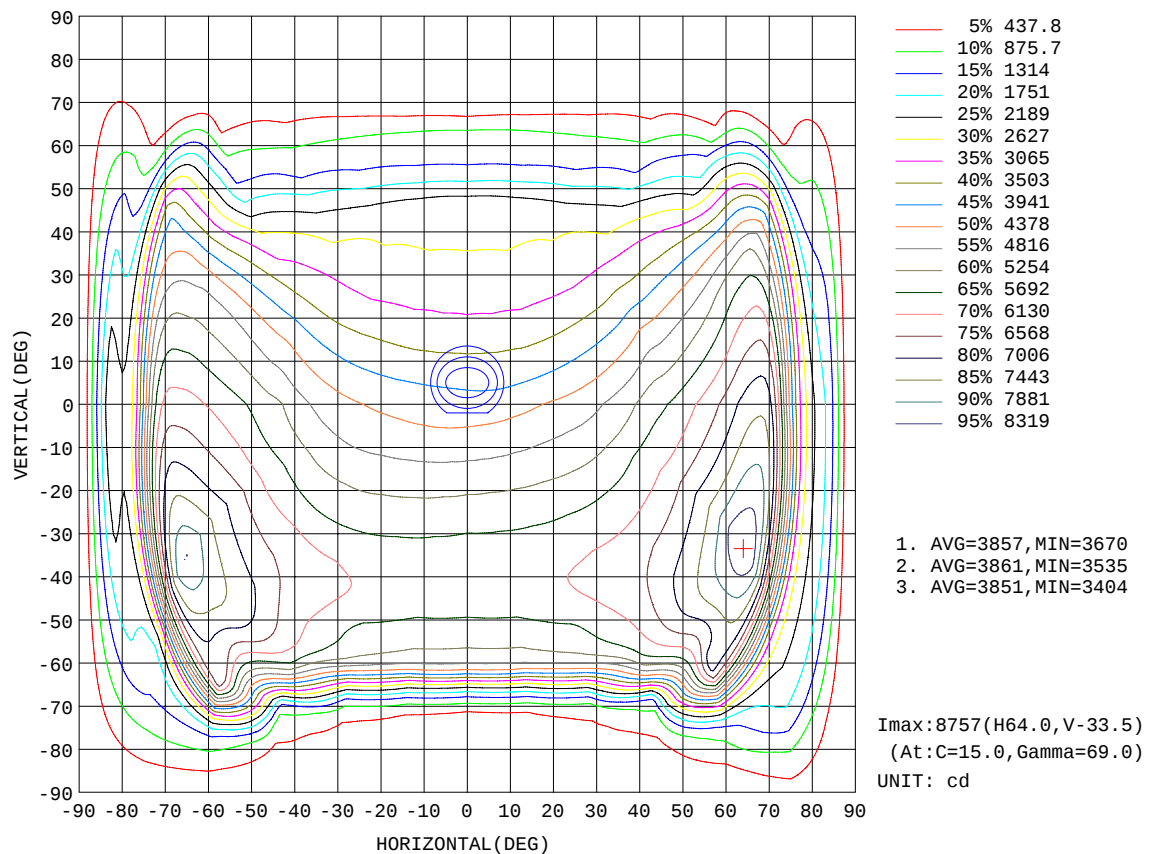
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	37	29	49	37	29	48	36	29	22
0.80	60	47	38	59	46	38	57	46	38	30
1.00	69	56	48	68	55	47	65	57	47	39
1.25	77	64	56	75	64	56	72	62	55	46
1.50	82	71	62	80	70	62	77	68	61	52
2.00	90	80	73	88	79	72	84	77	70	62
2.50	95	86	79	93	84	78	89	82	76	67
3.00	99	91	85	97	89	83	92	86	81	72
4.00	104	97	92	101	95	90	97	92	88	78
5.00	107	101	97	104	99	95	100	96	92	82
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: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

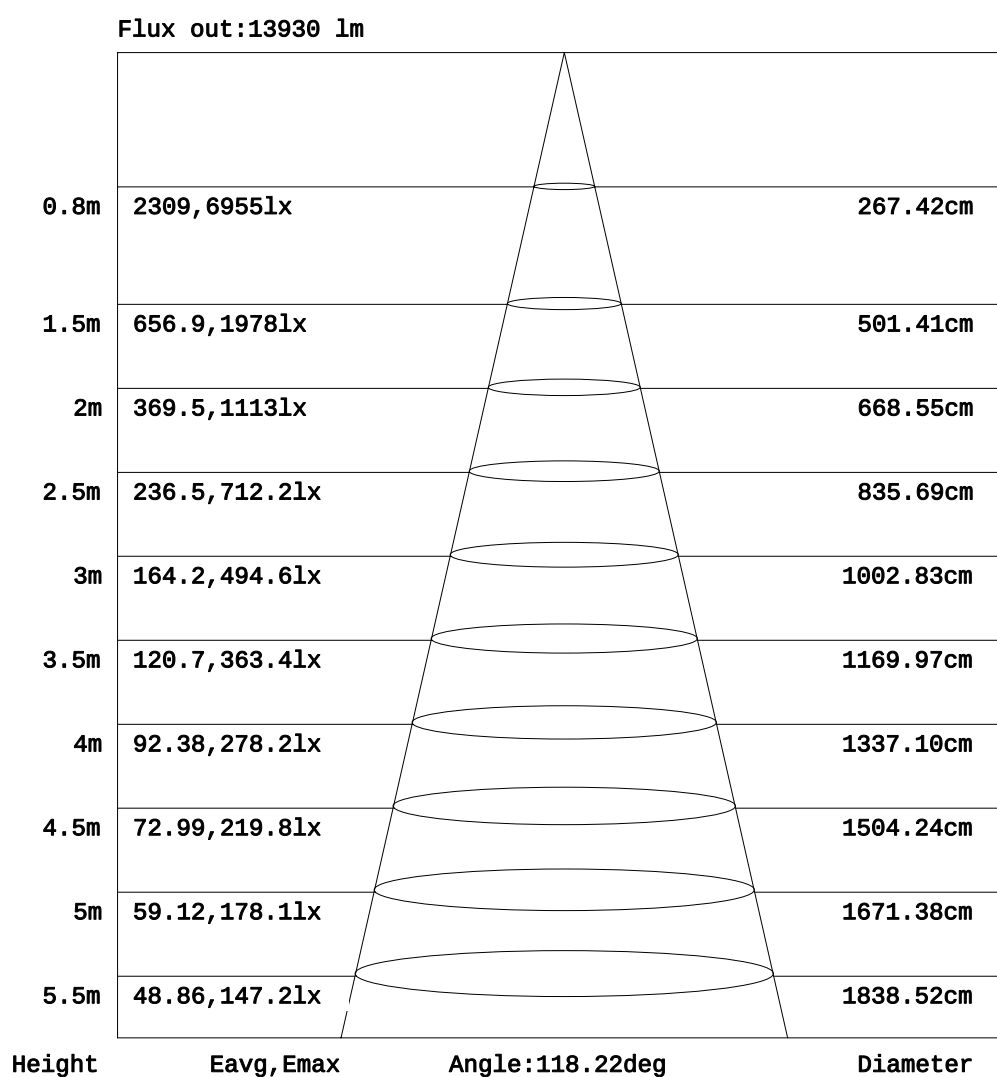


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



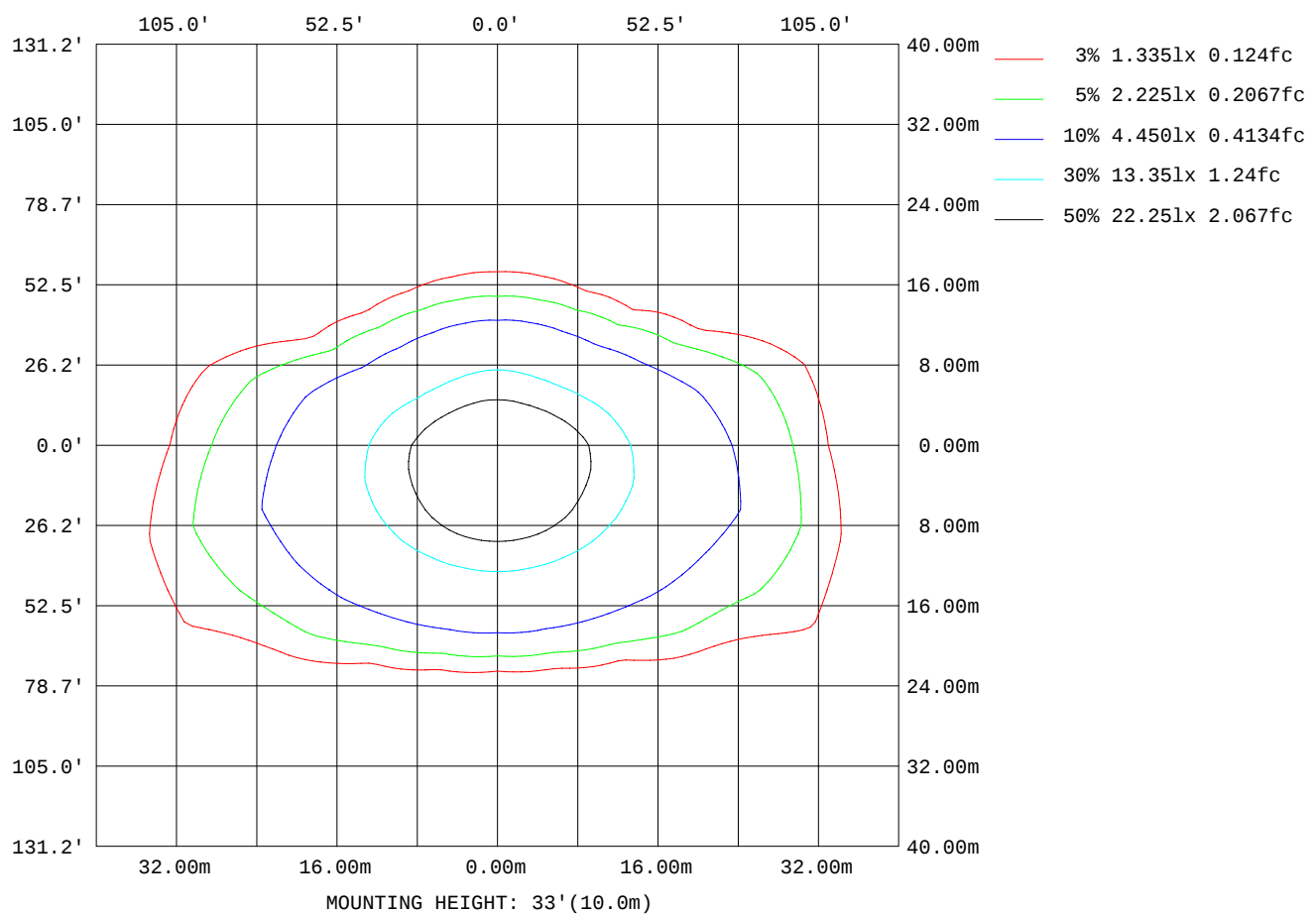
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-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: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

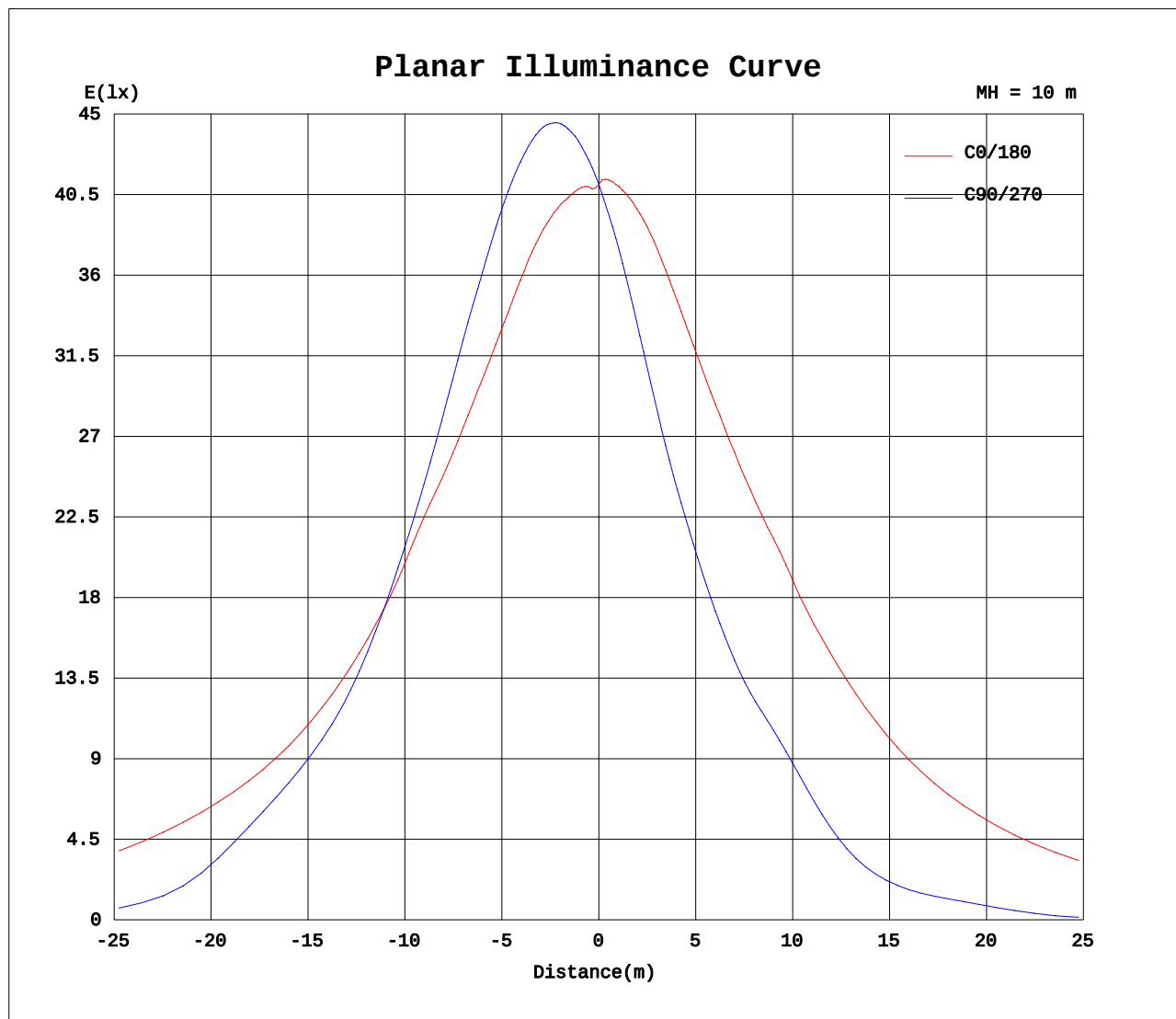
AvgL	cd/m2
L_0~180(65)av	380706
L_0~180(75)av	373518
L_0~180(85)av	399277
L_90~270(65)av	90691
L_90~270(75)av	21349
L_90~270(85)av	14847
L_45(65)av	197913
L_45(75)av	70259
L_45(85)av	38087

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 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: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm																			
NAME: ASD Lighting Corp										TYPE: LED					WEIGHT:				
SPEC.: ASD-LSB2-150D50W-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	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108
5	4138	4224	4274	4315	4348	4364	4366	4350	4316	4273	4216	4181	4154	4081	4008	3946	3899	3868	3853
10	4205	4342	4447	4534	4599	4637	4642	4613	4555	4475	4373	4267	4195	4045	3898	3773	3678	3618	3590
15	4315	4508	4659	4781	4868	4915	4928	4880	4796	4684	4544	4384	4250	4021	3792	3593	3445	3362	3329
20	4441	4684	4877	5024	5133	5196	5204	5144	5035	4898	4714	4496	4308	4006	3697	3427	3238	3134	3096
25	4560	4857	5088	5263	5381	5450	5470	5394	5273	5112	4894	4634	4396	4015	3612	3276	3064	2959	2922
30	4749	5067	5306	5500	5612	5678	5699	5624	5483	5316	5090	4822	4537	4053	3535	3133	2908	2801	2769
35	5000	5338	5571	5733	5836	5879	5890	5841	5716	5536	5326	5063	4751	4146	3467	3010	2759	2662	2639
40	5331	5690	5814	5953	6025	5975	5947	5963	5950	5779	5585	5398	5038	4290	3418	2880	2642	2590	2593
45	5631	6016	6093	6202	6102	5929	5895	5937	6058	6073	5911	5739	5366	4456	3347	2722	2529	2486	2474
50	5915	6388	6439	6335	5996	5715	5649	5720	5982	6281	6281	6119	5632	4571	3208	2492	2206	2031	1969
55	6283	6915	6740	6286	5685	5382	5333	5385	5669	6274	6598	6609	5882	4697	2945	2101	1636	1429	1357
60	6724	7548	7078	6111	5397	4962	4838	5003	5453	6156	6940	7123	6096	4747	2502	1490	1162	1081	1062
65	7222	8425	7177	5828	4204	2873	2518	2959	4444	6080	7230	7736	6293	4683	1722	1035	885	761	701
70	7159	8660	6708	4447	1526	840	717	911	1717	4814	6783	8335	6245	4369	1144	616	401	254	245
75	4127	6054	7081	1078	468	284	265	298	492	1393	6971	6512	3994	3873	501	289	218	196	200
80	2300	2544	2807	481	252	193	189	195	262	551	3907	1822	2307	878	178	151	129	135	120
85	1229	1681	718	218	123	110	108	108	130	258	922	1131	1694	164	64.3	42.0	22.1	4.45	0.38
90	90.5	230	106	39.9	36.8	37.4	32.0	36.9	37.0	38.1	135	195	57.6	26.7	10.4	5.36	2.43	0.96	0.85
95	2.41	24.9	3.00	0.69	0.52	0.52	0.38	0.54	0.70	1.29	8.43	23.3	6.16	5.64	4.55	3.53	2.35	1.64	1.49
100	2.65	2.00	1.36	0.77	0.52	0.48	0.46	0.51	0.74	1.20	1.74	2.41	5.79	5.78	5.10	4.18	3.29	2.47	2.28
105	2.96	2.27	1.58	0.93	0.63	0.58	0.57	0.63	0.97	1.52	2.18	2.82	5.97	5.87	5.31	4.65	4.07	3.22	3.01
110	3.27	2.53	1.75	1.07	0.75	0.69	0.69	0.80	1.26	1.85	2.57	3.24	5.72	5.66	5.27	4.84	4.42	3.73	3.42
115	3.63	2.76	1.88	1.22	0.93	0.89	0.90	1.05	1.52	2.13	2.89	3.60	5.51	5.62	5.33	4.98	4.67	4.19	3.81
120	3.92	3.04	2.17	1.51	1.17	1.14	1.16	1.32	1.77	2.33	3.18	3.97	5.37	5.71	5.47	5.21	5.20	4.73	4.43
125	4.42	3.37	2.49	1.78	1.46	1.41	1.43	1.63	2.04	2.45	3.49	4.37	5.48	6.04	5.82	5.85	5.79	5.39	5.16
130	4.68	3.62	2.72	2.05	1.75	1.70	1.76	1.96	2.31	2.66	3.68	4.65	5.81	6.43	6.31	6.41	6.26	6.09	5.89
135	4.66	3.77	2.97	2.38	2.10	2.06	2.13	2.31	2.58	2.96	3.69	4.72	5.95	6.44	6.62	6.66	6.56	6.51	6.45
140	4.45	3.80	3.18	2.69	2.45	2.44	2.52	2.69	2.93	3.23	3.65	4.53	5.86	6.29	6.60	6.78	6.81	6.85	6.89
145	4.20	3.78	3.35	2.99	2.80	2.81	2.92	3.07	3.28	3.42	3.60	4.28	5.85	6.20	6.61	6.86	6.98	7.10	7.21
150	4.03	3.77	3.51	3.28	3.15	3.22	3.36	3.49	3.63	3.58	3.68	4.07	5.92	6.24	6.67	6.91	7.04	7.27	7.41
155	4.15	3.98	3.79	3.64	3.59	3.72	3.87	3.98	4.05	3.95	3.94	4.16	6.07	6.29	6.65	6.94	7.11	7.36	7.57
160	4.32	4.20	4.07	4.00	4.05	4.21	4.38	4.46	4.46	4.27	4.12	4.28	6.21	6.30	6.52	6.82	7.03	7.30	7.59
165	4.52	4.47	4.41	4.44	4.54	4.73	4.87	4.95	4.89	4.67	4.51	4.44	6.17	6.21	6.30	6.48	6.64	6.89	7.22
170	4.80	4.80	4.81	4.84	4.97	5.18	5.33	5.37	5.28	5.06	4.88	4.71	6.10	6.09	6.12	6.21	6.23	6.37	6.67
175	5.34	5.33	5.28	5.32	5.45	5.63	5.76	5.80	5.74	5.56	5.40	5.26	6.06	6.05	6.10	6.12	6.09	6.16	6.37
180	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.90	5.90	5.90	5.90	5.90	5.90	5.90

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 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:120.00V I:1.2568A P:150.63W PF:0.9988 Freq:60.00Hz Lamp Flux:19800 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D50W-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	4108	4108	4108	4108	4108													
5	3858	3880	3918	3972	4032													
10	3612	3669	3761	3875	4012													
15	3362	3450	3602	3801	4025													
20	3132	3243	3446	3732	4058													
25	2952	3061	3304	3684	4111													
30	2794	2915	3177	3652	4194													
35	2662	2784	3080	3623	4327													
40	2591	2662	2976	3625	4523													
45	2497	2554	2822	3612	4735													
50	2063	2257	2591	3568	4829													
55	1447	1689	2243	3437	4991													
60	1089	1157	1633	3103	5201													
65	794	912	1109	2373	5441													
70	265	428	710	1632	5308													
75	193	240	295	712	4010													
80	138	129	149	214	1018													
85	14.5	30.7	40.3	62.1	169													
90	1.03	2.92	5.93	10.7	30.0													
95	1.74	2.61	3.95	4.84	5.09													
100	2.57	3.53	4.67	5.33	5.45													
105	3.30	4.20	4.96	5.38	5.52													
110	3.65	4.27	4.87	5.17	5.24													
115	3.89	4.35	4.85	5.05	5.18													
120	4.35	4.68	5.14	5.28	5.31													
125	5.10	5.31	5.68	5.80	5.70													
130	5.79	5.98	6.30	6.50	6.20													
135	6.24	6.31	6.55	6.71	6.36													
140	6.65	6.53	6.55	6.59	6.21													
145	6.96	6.70	6.56	6.50	6.10													
150	7.22	6.92	6.68	6.54	6.12													
155	7.47	7.21	6.88	6.68	6.22													
160	7.59	7.43	7.07	6.81	6.31													
165	7.30	7.27	7.00	6.71	6.23													
170	6.78	6.81	6.67	6.47	6.05													
175	6.47	6.51	6.41	6.21	5.80													
180	5.90	5.90	5.90	5.90	5.90													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 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: