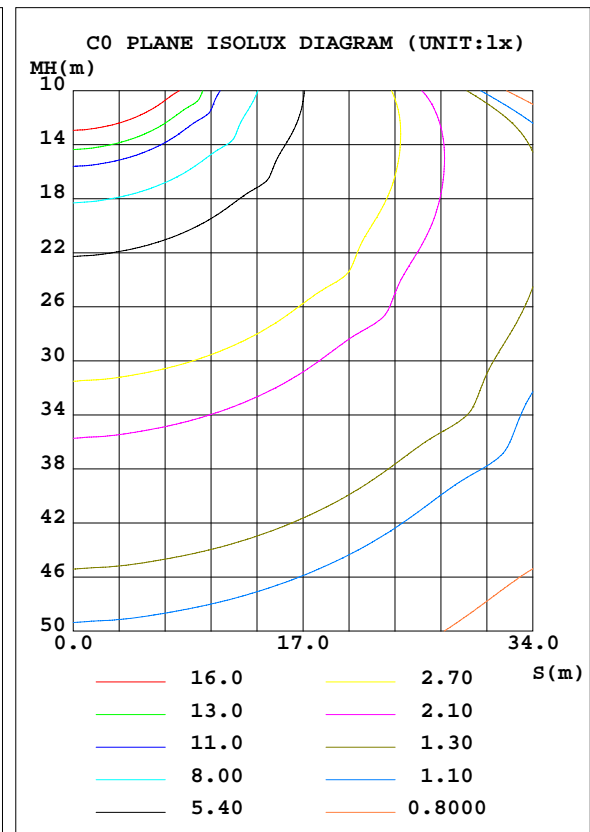
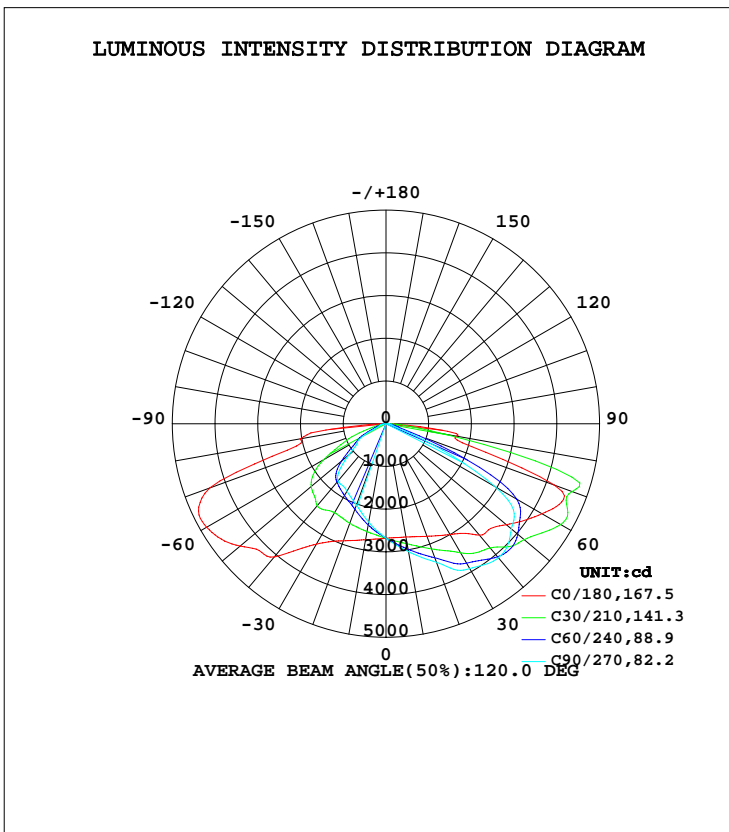


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.34 lm/W			
MODEL	ASD-LSB2HV-100D50B-PRM	I <sub>max</sub> (cd)	6078	S/MH(C0/180)	2.17
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.01
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	13400	η UP, DN(C0-180)	0.1,66.1
NOMINAL FLUX(lm)	13400	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,33.7
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: 25.2DEG  
 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: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	2692	2924	3041	2967	2757	2475	2342	2436	0- 10	256.9	256.9	1.9,1.9
20	2804	3239	3449	3314	2915	2274	2028	2210	10- 20	776.6	1034	7.63,7.63
30	2995	3664	3916	3908	3253	2114	1826	2026	20- 30	1327	2360	17.4,17.4
40	3403	3948	4095	4233	4068	1991	1749	1900	30- 40	1925	4285	31.7,31.7
50	3677	4239	3831	4581	4456	1649	1133	1588	40- 50	2460	6746	49.8,49.8
60	4216	4046	2956	4377	4847	923.6	713.1	881.1	50- 60	2725	9470	70,70
70	4185	2441	340.1	2592	4386	372.8	172.9	354.6	60- 70	2487	11957	88.3,88.3
80	1679	298.1	123.3	323.4	2036	110.8	93.54	104.6	70- 80	1285	13242	97.8,97.8
90	49.52	24.34	27.19	37.13	44.34	4.041	0.5125	3.030	80- 90	273.5	13516	99.8,99.8
100	1.902	0.5211	0.2620	0.6502	3.535	2.657	1.401	3.142	90-100	8.132	13524	99.9,99.9
110	2.349	0.7503	0.4329	1.077	3.569	3.091	2.202	3.428	100-110	2.080	13526	99.9,99.9
120	2.841	1.036	0.7273	1.380	3.361	3.301	2.882	3.621	110-120	2.219	13528	99.9,99.9
130	3.372	1.398	1.108	1.637	3.637	4.109	3.885	4.422	120-130	2.407	13530	99.9,99.9
140	3.258	1.813	1.598	2.027	3.725	4.367	4.562	4.576	130-140	2.426	13533	100,100
150	2.821	2.218	2.152	2.314	3.782	4.472	4.917	4.616	140-150	2.091	13535	100,100
160	2.923	2.677	2.836	2.811	4.017	4.441	4.981	4.804	150-160	1.645	13537	100,100
170	3.202	3.210	3.487	3.367	4.007	4.085	4.331	4.439	160-170	1.059	13538	100,100
180	3.904	3.904	3.904	3.904	3.913	3.913	3.913	3.913	170-180	0.3641	13538	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5467.7 lm

%lum = 40.4%

%lamp = 40.4%

Conical surface Flux(120deg): 9470.3 lm

%lum = 70.0%

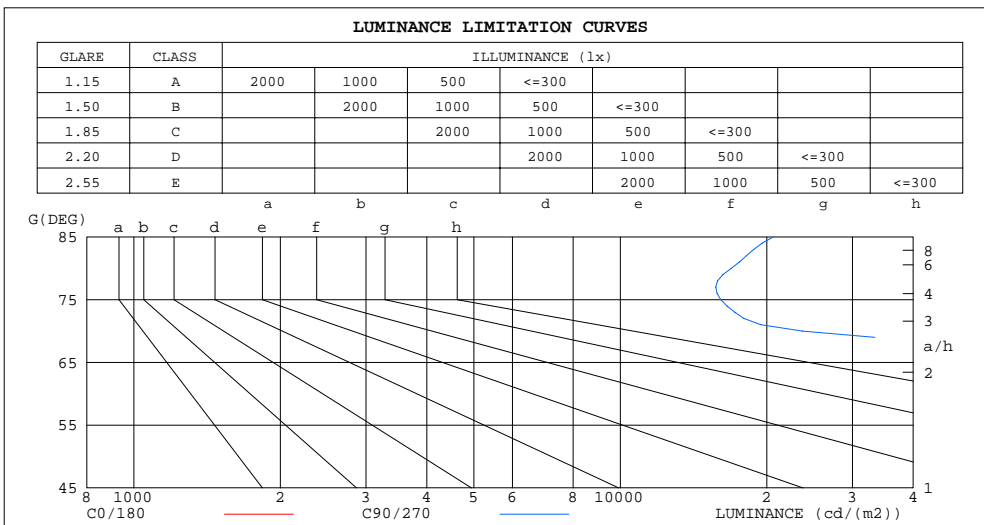
%lamp = 70.0%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 16 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	218110	20626
80	230157	16906
75	191294	16095
70	291340	23674
65	251933	82550
60	200753	140779
55	163840	152122
50	136193	141912
45	116745	135663

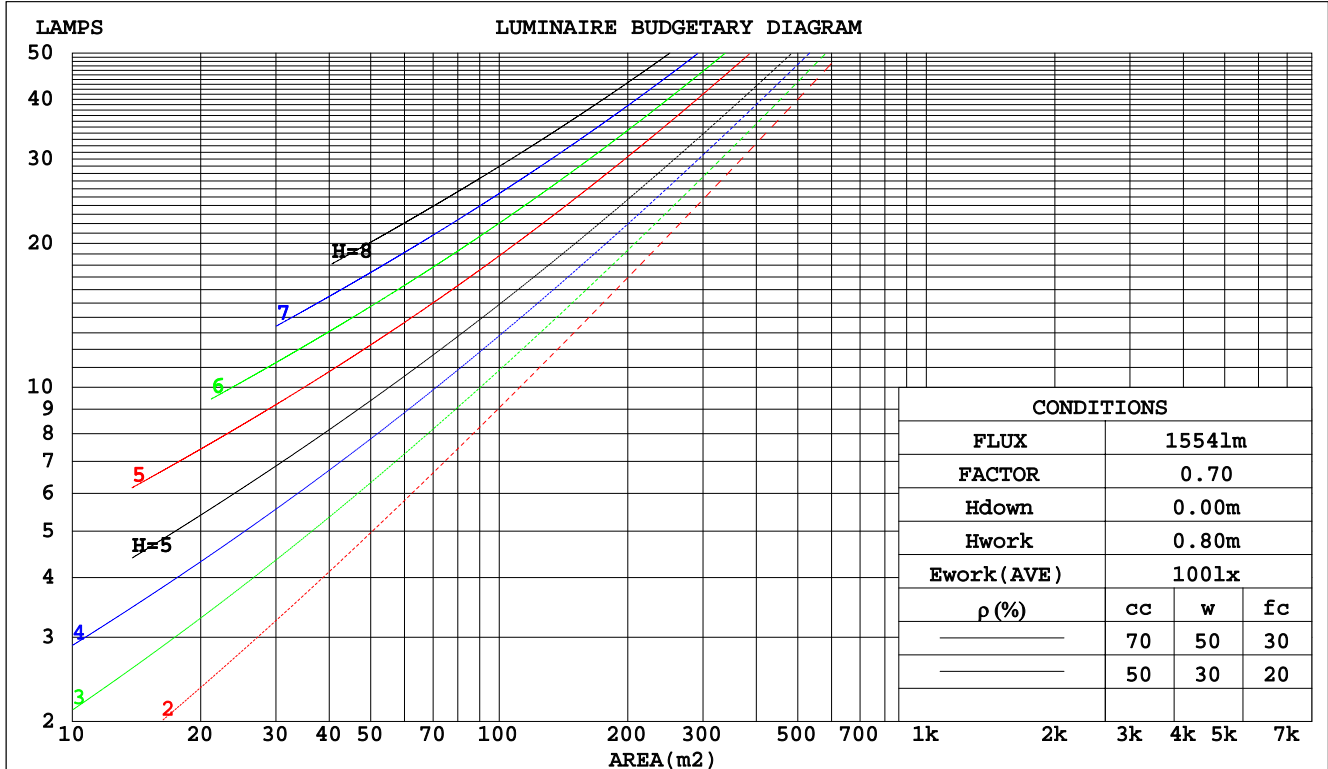
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 16 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-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	.91	.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	.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	.25	.36	.29	.24	.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	.19	.31	.24	.19	.30	.24	.19	.17



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 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: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

WEC AND CCEC

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-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	.348	.198	.063	.341	.195	.062	.327	.188	.060	.315	.182	.058	.304	.176	.057	
2.0	.328	.180	.055	.322	.177	.055	.310	.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	.244	.133	.040	
5.0	.254	.129	.037	.249	.128	.037	.241	.125	.037	.233	.123	.036	.225	.120	.036	
6.0	.234	.117	.034	.229	.116	.033	.222	.114	.033	.215	.112	.033	.208	.109	.033	
7.0	.216	.107	.030	.212	.106	.030	.205	.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	.085	.025	
10.0	.175	.084	.023	.172	.083	.023	.167	.082	.023	.162	.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	.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	.141	.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	.077	.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: 25.2DEG  
 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: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-LSB2HV-100D50B-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	33.3	35.1	33.7	35.4	35.7	31.2	33.0	31.6	33.3	33.6
3H	37.7	39.4	38.1	39.7	40.1	31.3	32.9	31.7	33.3	33.6
4H	38.6	40.2	39.0	40.5	40.9	31.3	32.8	31.7	33.2	33.5
6H	38.9	40.4	39.3	40.7	41.1	31.2	32.7	31.6	33.0	33.4
8H	39.1	40.5	39.6	40.9	41.3	31.2	32.6	31.6	33.0	33.4
12H	39.3	40.6	39.7	41.0	41.5	31.2	32.5	31.6	32.9	33.3
4H 2H	34.0	35.5	34.4	35.9	36.3	32.7	34.2	33.1	34.6	34.9
3H	38.6	40.0	39.1	40.4	40.8	32.8	34.1	33.2	34.5	34.9
4H	39.9	41.1	40.3	41.5	41.9	32.8	34.0	33.2	34.4	34.8
6H	40.3	41.3	40.7	41.8	42.2	32.8	33.8	33.2	34.3	34.7
8H	40.5	41.5	41.0	41.9	42.4	32.8	33.7	33.2	34.2	34.7
12H	40.7	41.6	41.2	42.1	42.6	32.8	33.7	33.2	34.1	34.6
8H 4H	39.9	40.9	40.4	41.3	41.8	34.0	34.9	34.4	35.4	35.9
6H	40.4	41.3	40.9	41.7	42.2	33.9	34.8	34.4	35.2	35.7
8H	40.7	41.5	41.2	42.0	42.4	33.9	34.7	34.4	35.2	35.7
12H	41.0	41.6	41.5	42.1	42.7	33.9	34.6	34.4	35.1	35.6
12H 4H	39.9	40.8	40.4	41.3	41.7	34.2	35.0	34.6	35.5	36.0
6H	40.4	41.2	40.9	41.6	42.2	34.2	34.9	34.7	35.3	35.9
8H	40.7	41.4	41.2	41.9	42.4	34.2	34.8	34.7	35.3	35.9
CIE190: 2010										

CIE190: 2010  
Area: 0.042 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
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: 52.2%  
Test Distance: 2.500m [K=1.0469]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

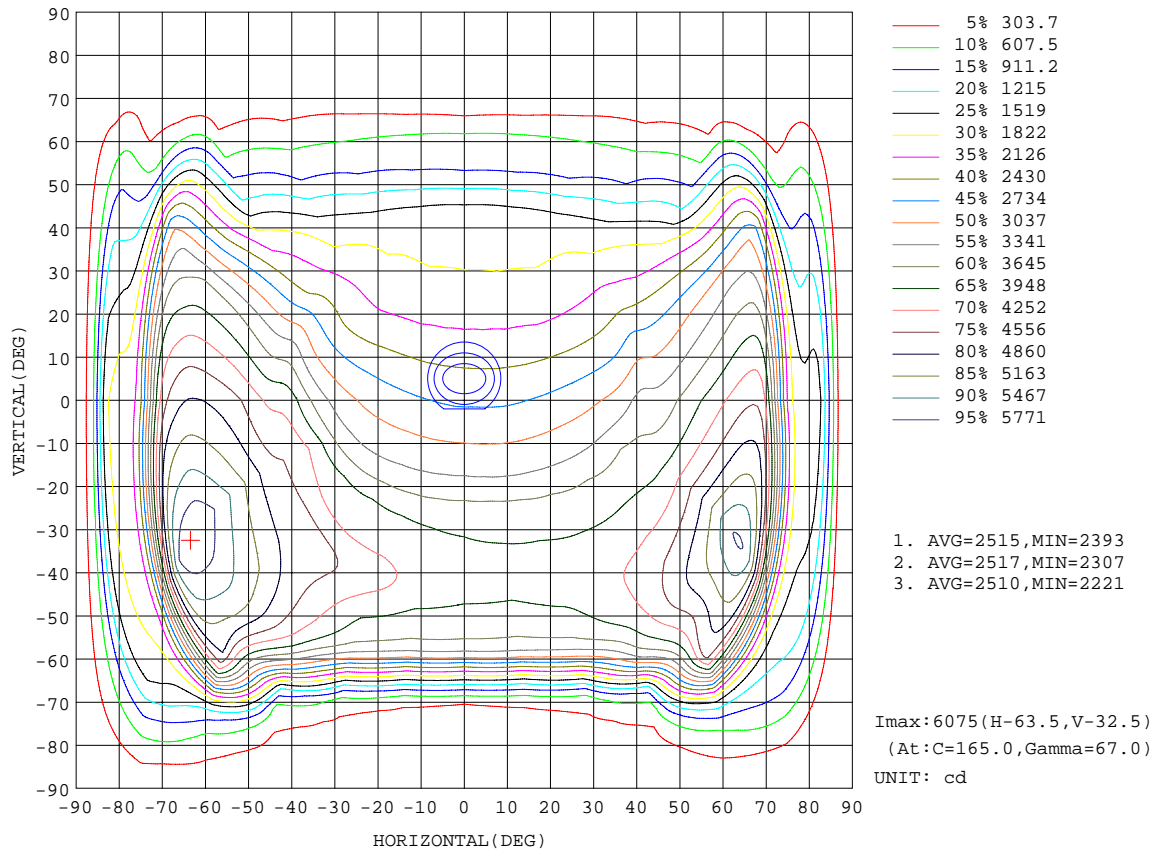
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	29	49	37	29	48	36	29	22
0.80	60	47	39	59	47	39	57	46	38	30
1.00	69	57	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	78	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	104	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: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 16 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



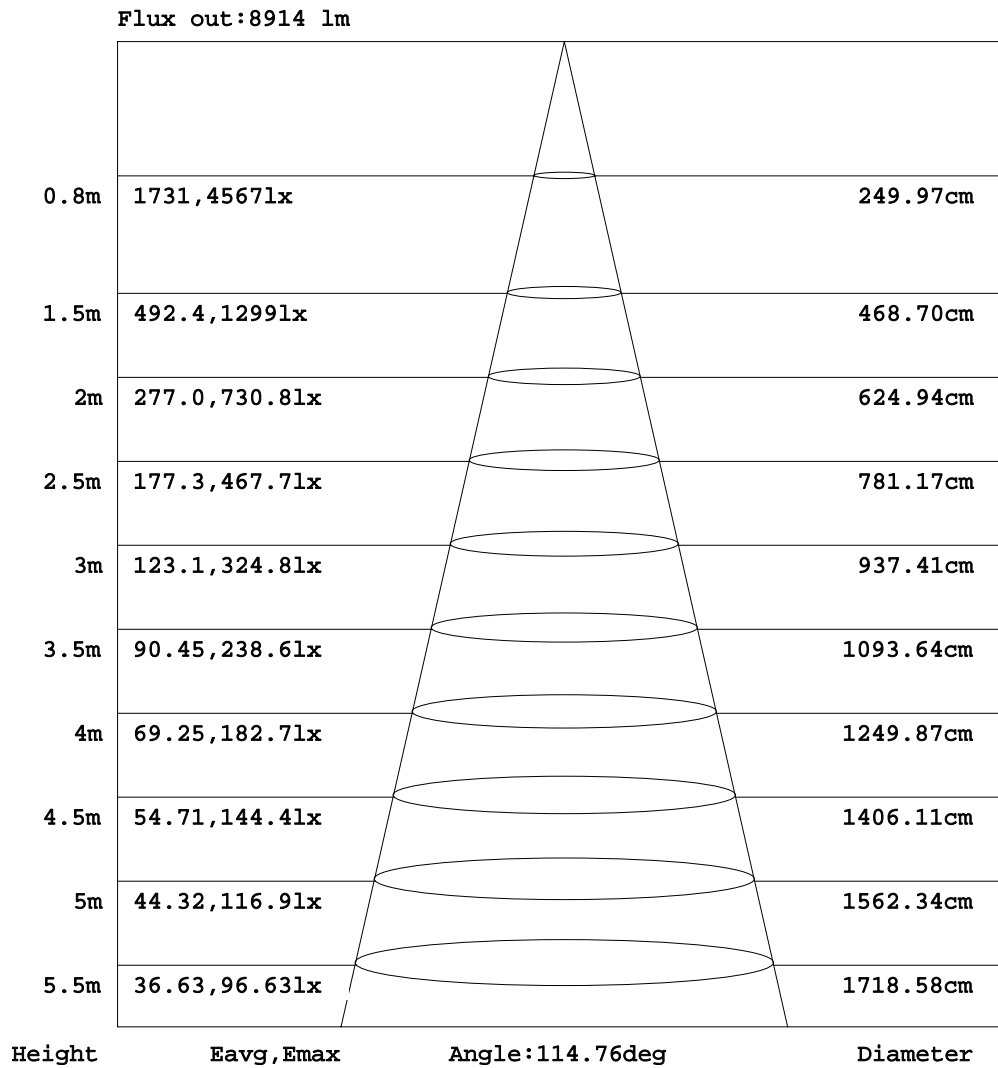
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 16 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:



AAI Figure

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



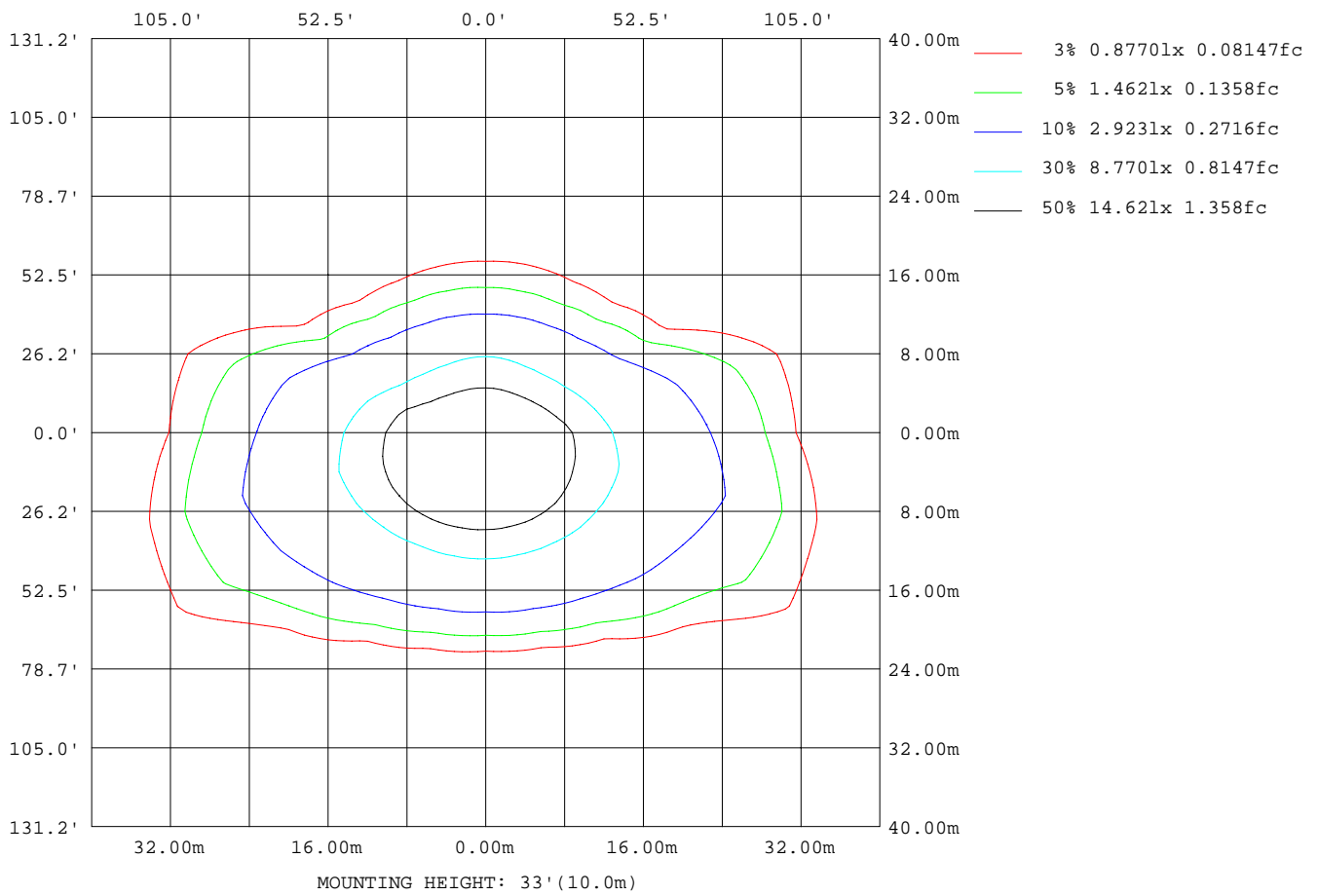
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 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: 52.2%  
 Test Distance:2.500m [K=1.0469]  
 Remarks:

ISOLUX DIAGRAM

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 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: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

## LED Avg.L Report

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

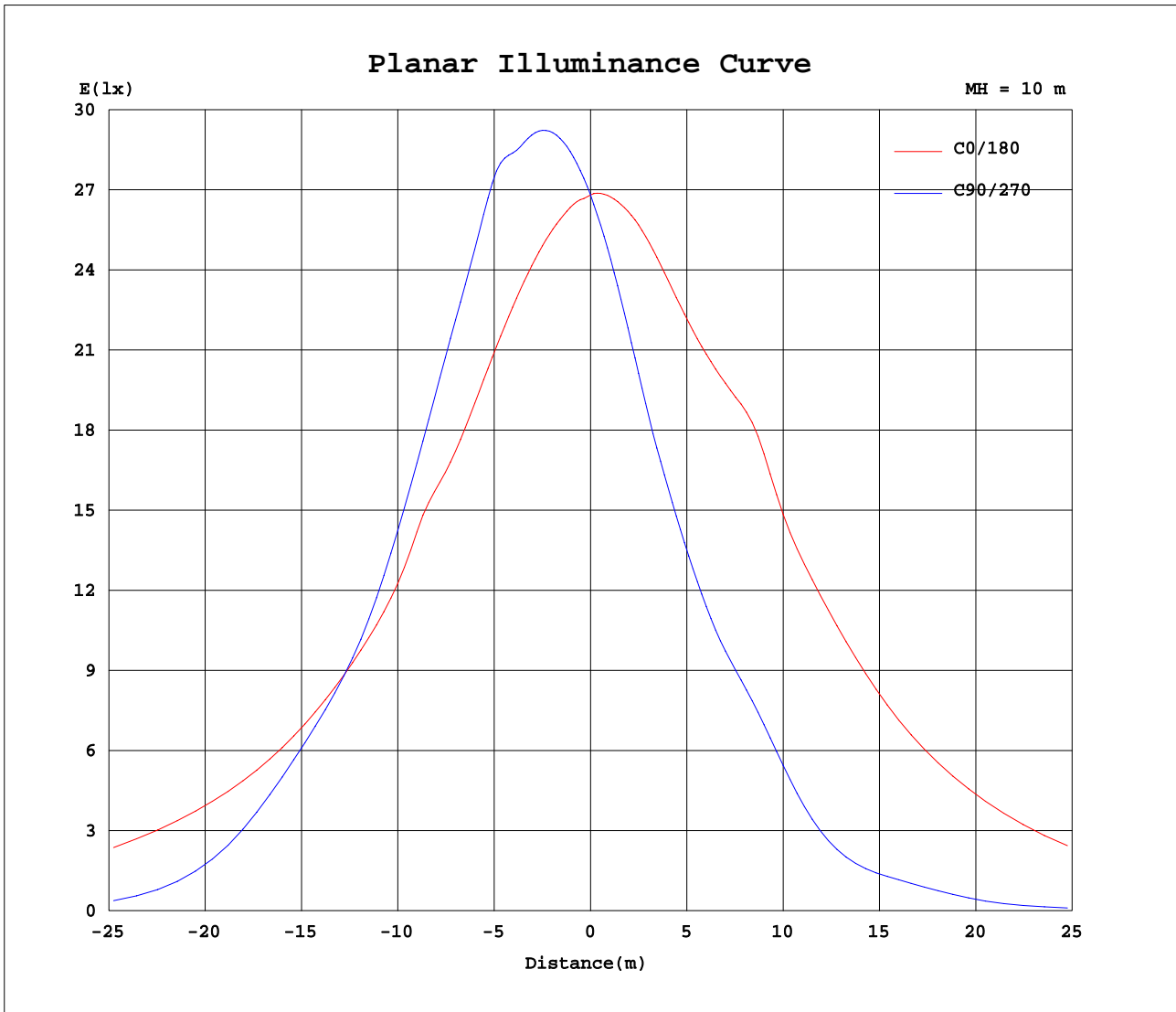
AvgL	cd/m2
L_0~180(65)av	262369
L_0~180(75)av	205623
L_0~180(85)av	242323
L_90~270(65)av	51400
L_90~270(75)av	15089
L_90~270(85)av	10374
L_45(65)av	127561
L_45(75)av	43396
L_45(85)av	26506

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 16 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-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	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681
5	2677	2724	2762	2797	2825	2844	2854	2850	2837	2813	2781	2747	2710	2662	2616	2576	2545	2523	2512
10	2692	2777	2854	2924	2982	3021	3041	3036	3010	2967	2907	2833	2757	2660	2563	2475	2406	2361	2342
15	2737	2863	2975	3073	3154	3211	3240	3229	3193	3133	3048	2944	2827	2679	2521	2376	2265	2198	2171
20	2804	2972	3117	3239	3338	3411	3449	3438	3390	3314	3199	3066	2915	2709	2481	2274	2130	2054	2028
25	2891	3096	3278	3436	3583	3695	3763	3749	3676	3551	3392	3235	3044	2754	2434	2175	2027	1949	1918
30	2995	3249	3488	3664	3770	3852	3916	3940	3944	3908	3745	3525	3253	2837	2407	2114	1942	1852	1826
35	3133	3507	3685	3785	3899	3975	4027	4055	4061	4051	4087	4032	3596	2998	2468	2090	1867	1785	1770
40	3403	3721	3795	3948	4065	4073	4095	4158	4244	4233	4296	4421	4068	3323	2510	1991	1788	1754	1749
45	3467	3826	4069	4167	4130	4026	4029	4122	4345	4554	4707	4584	4198	3375	2378	1833	1657	1572	1539
50	3677	4095	4220	4239	4027	3836	3831	3914	4184	4581	4799	4885	4456	3504	2286	1649	1358	1197	1133
55	3947	4531	4455	4190	3834	3678	3665	3713	3925	4483	5013	5288	4708	3631	2085	1321	989	880	838
60	4216	5070	4719	4046	3535	3127	2956	3135	3625	4377	5215	5670	4847	3682	1687	924	767	733	713
65	4472	5684	4683	3719	2414	1632	1465	1673	2508	4008	5265	6044	4842	3610	1166	676	523	422	359
70	4185	5695	4641	2441	828	459	340	461	926	2592	4978	5946	4386	3335	759	373	280	183	173
75	2079	3454	4136	691	304	195	175	203	318	777	4387	3759	2391	2304	327	214	175	154	153
80	1679	1393	1384	298	164	125	123	129	188	323	1506	1822	2036	436	133	111	109	113	93.5
85	798	712	420	150	82.6	74.3	75.5	76.9	93.5	177	416	1040	976	119	55.2	34.3	30.0	13.3	0.45
90	49.5	94.1	87.4	24.3	27.7	29.6	27.2	31.0	31.7	37.1	98.9	168	44.3	21.8	8.47	4.04	1.92	0.59	0.51
95	1.62	2.52	1.07	0.41	0.34	0.37	0.23	0.38	0.39	0.67	2.52	21.5	3.59	3.51	2.86	2.19	1.41	0.99	0.90
100	1.90	1.42	0.95	0.52	0.32	0.28	0.26	0.29	0.38	0.65	1.02	1.45	3.53	3.67	3.22	2.66	2.02	1.52	1.40
105	2.14	1.63	1.11	0.65	0.40	0.35	0.34	0.37	0.52	0.86	1.28	1.74	3.70	3.73	3.38	2.97	2.55	2.02	1.90
110	2.35	1.79	1.23	0.75	0.49	0.44	0.43	0.48	0.69	1.08	1.55	2.01	3.57	3.55	3.34	3.09	2.83	2.37	2.20
115	2.64	1.99	1.34	0.84	0.61	0.56	0.56	0.63	0.88	1.26	1.77	2.24	3.44	3.50	3.37	3.17	3.00	2.69	2.47
120	2.84	2.19	1.53	1.04	0.77	0.72	0.73	0.80	1.06	1.38	1.96	2.45	3.36	3.56	3.44	3.30	3.34	3.06	2.88
125	3.16	2.43	1.76	1.22	0.96	0.90	0.91	0.99	1.25	1.47	2.15	2.70	3.42	3.76	3.69	3.72	3.76	3.51	3.39
130	3.37	2.60	1.94	1.40	1.15	1.09	1.11	1.21	1.42	1.64	2.24	2.88	3.64	4.03	4.01	4.11	4.09	3.97	3.88
135	3.40	2.74	2.10	1.60	1.37	1.31	1.34	1.44	1.60	1.84	2.26	2.96	3.76	4.09	4.21	4.29	4.26	4.26	4.25
140	3.26	2.75	2.24	1.81	1.61	1.55	1.60	1.69	1.85	2.03	2.27	2.88	3.73	4.00	4.21	4.37	4.43	4.49	4.56
145	3.02	2.70	2.34	2.02	1.85	1.81	1.87	1.95	2.09	2.17	2.31	2.75	3.73	3.96	4.23	4.43	4.55	4.66	4.79
150	2.82	2.64	2.42	2.22	2.09	2.08	2.15	2.23	2.33	2.31	2.40	2.62	3.78	3.98	4.29	4.47	4.59	4.75	4.92
155	2.86	2.75	2.60	2.46	2.37	2.41	2.50	2.57	2.63	2.58	2.57	2.71	3.89	4.04	4.29	4.50	4.63	4.80	5.00
160	2.92	2.86	2.76	2.68	2.66	2.73	2.84	2.90	2.92	2.81	2.73	2.81	4.02	4.08	4.24	4.44	4.58	4.75	4.98
165	3.02	3.01	2.96	2.95	2.98	3.07	3.18	3.24	3.23	3.11	3.02	2.95	4.03	4.05	4.12	4.24	4.34	4.48	4.70
170	3.20	3.21	3.22	3.21	3.26	3.37	3.49	3.53	3.50	3.37	3.25	3.14	4.01	4.01	4.03	4.09	4.09	4.15	4.33
175	3.54	3.55	3.51	3.52	3.58	3.68	3.79	3.83	3.81	3.70	3.60	3.54	4.00	4.00	4.03	4.05	4.03	4.06	4.17
180	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.91	3.91	3.91	3.91	3.91	3.91	3.91

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 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: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.3646A P:100.03W PF:0.9905 Freq:60.00Hz Lamp Flux:13400x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-100D50B-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	2681	2681	2681	2681	2681														
5	2515	2529	2553	2587	2626														
10	2350	2381	2436	2510	2594														
15	2184	2234	2322	2444	2584														
20	2039	2095	2210	2384	2590														
25	1930	1989	2107	2326	2608														
30	1835	1892	2026	2280	2636														
35	1770	1814	1967	2263	2686														
40	1748	1759	1900	2265	2844														
45	1573	1646	1783	2179	2846														
50	1182	1330	1588	2052	2912														
55	859	935	1241	1861	3028														
60	739	753	881	1506	3135														
65	412	514	654	1047	3204														
70	177	267	355	663	3115														
75	150	164	205	295	2015														
80	108	98.1	105	123	349														
85	3.68	17.5	26.4	38.8	94.4														
90	0.61	1.47	3.03	5.26	11.7														
95	1.04	1.55	2.55	3.31	3.55														
100	1.58	2.17	3.14	3.76	3.93														
105	2.08	2.68	3.43	3.89	4.09														
110	2.37	2.83	3.43	3.78	3.90														
115	2.57	2.91	3.42	3.72	3.86														
120	2.88	3.16	3.62	3.86	3.93														
125	3.40	3.61	4.00	4.18	4.17														
130	3.87	4.08	4.42	4.65	4.52														
135	4.18	4.31	4.59	4.81	4.64														
140	4.46	4.47	4.58	4.70	4.49														
145	4.69	4.59	4.56	4.58	4.33														
150	4.85	4.72	4.62	4.55	4.27														
155	4.99	4.88	4.71	4.61	4.29														
160	5.04	4.99	4.80	4.65	4.32														
165	4.81	4.84	4.70	4.53	4.20														
170	4.46	4.51	4.44	4.31	4.05														
175	4.27	4.32	4.28	4.16	3.86														
180	3.91	3.91	3.91	3.91	3.91														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 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: 52.2%  
 Test Distance: 2.500m [K=1.0469]  
 Remarks: