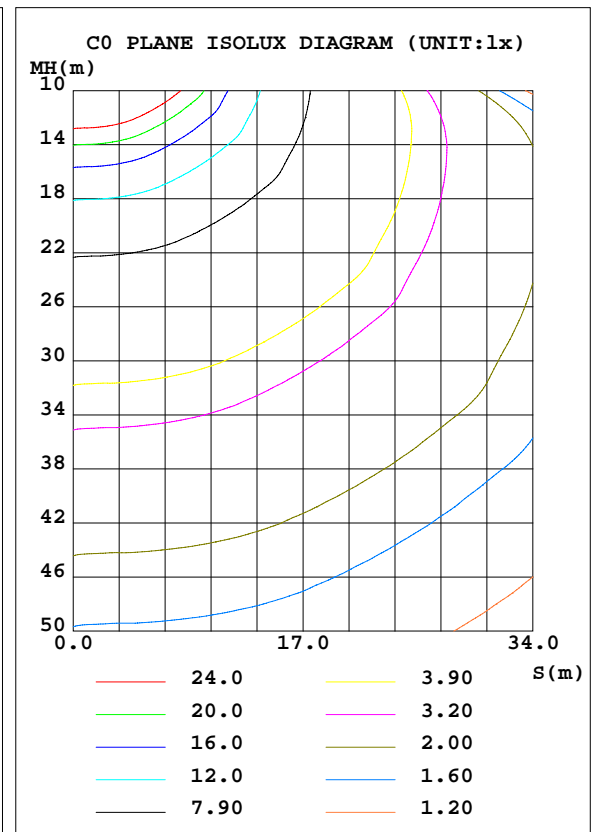
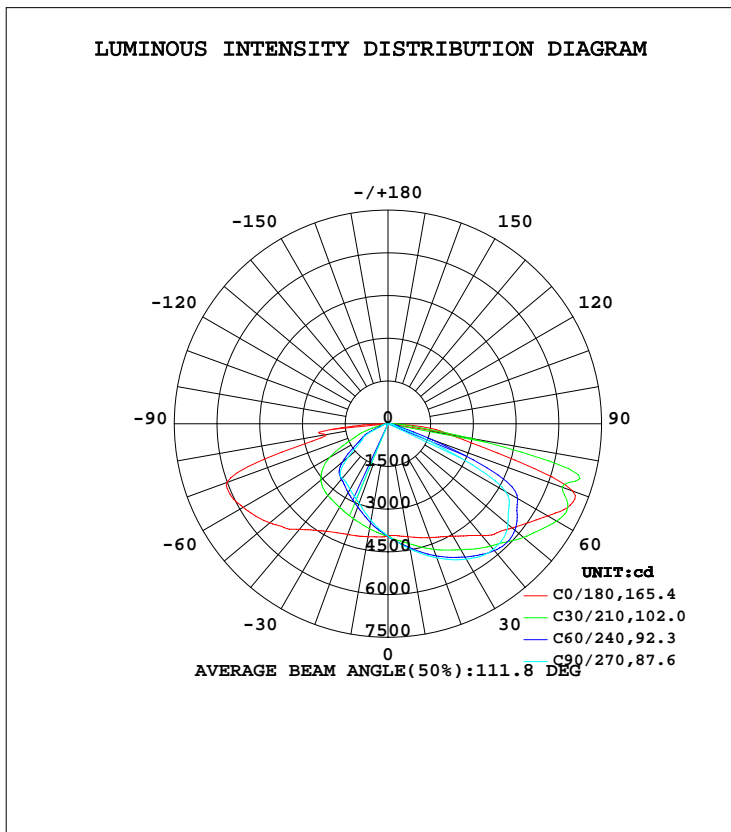


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.93 lm/W			
MODEL ASD-LSB2-150D30[B,W]-PRM	I _{max} (cd)	8468	S/MH(C0/180)	1.88	
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.01
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	19500	η UP, DN(C0-180)	0.1,66.3
NOMINAL FLUX(lm)	19500	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,33.6
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



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 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	4029	4358	4461	4300	4029	3623	3443	3613	0- 10	378.4	378.4	1.93,1.93
20	4260	4832	5006	4711	4139	3288	2973	3309	10- 20	1140	1518	7.73,7.73
30	4561	5295	5488	5118	4360	3011	2664	3052	20- 30	1908	3426	17.4,17.4
40	5125	5736	5752	5564	4843	2769	2508	2860	30- 40	2691	6117	31.1,31.1
50	5690	6127	5498	6066	5418	2384	1841	2481	40- 50	3441	9558	48.7,48.7
60	6474	5934	4778	5966	5871	1392	1014	1524	50- 60	3852	13410	68.3,68.3
70	6900	4516	810.0	4843	6017	557.9	237.4	644.4	60- 70	3687	17097	87,87
80	2216	489.1	189.8	557.3	2223	138.5	104.5	136.9	70- 80	2091	19189	97.7,97.7
90	87.46	47.75	37.02	46.02	55.66	4.630	0.8777	5.076	80- 90	419.9	19608	99.8,99.8
100	2.559	0.7333	0.4379	1.141	5.595	4.078	2.277	4.550	90-100	12.74	19621	99.9,99.9
110	3.156	1.026	0.6503	1.762	5.535	4.697	3.341	4.699	100-110	3.083	19624	99.9,99.9
120	3.779	1.433	1.092	2.233	5.189	5.071	4.353	4.997	110-120	3.245	19627	99.9,99.9
130	4.498	1.957	1.670	2.547	5.600	6.227	5.757	6.127	120-130	3.520	19631	99.9,99.9
140	4.279	2.573	2.397	3.096	5.646	6.554	6.701	6.328	130-140	3.520	19634	100,100
150	3.879	3.150	3.207	3.448	5.710	6.683	7.187	6.469	140-150	3.029	19638	100,100
160	4.167	3.844	4.186	4.118	5.999	6.563	7.327	6.830	150-160	2.391	19640	100,100
170	4.642	4.671	5.135	4.906	5.897	5.980	6.395	6.393	160-170	1.539	19641	100,100
180	5.584	5.584	5.584	5.584	5.712	5.712	5.712	5.712	170-180	0.5294	19642	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 7758.7 lm

%lum = 39.5%

%lamp = 39.5%

Conical surface Flux(120deg): 13410 lm

%lum = 68.3%

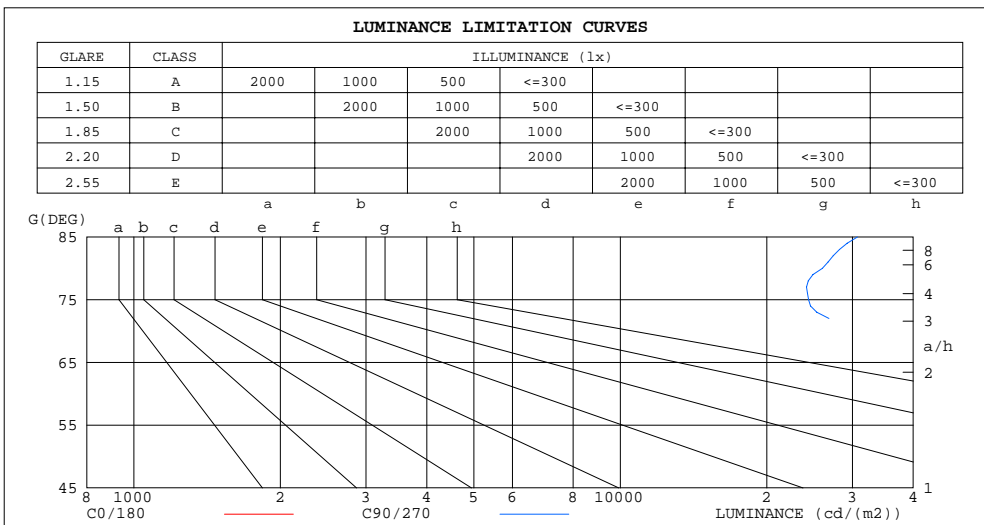
%lamp = 68.3%

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 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	323805	30713
80	303891	26021
75	367038	24387
70	480351	56386
65	391951	153002
60	308272	227534
55	250995	215000
50	210781	203656
45	182397	192228

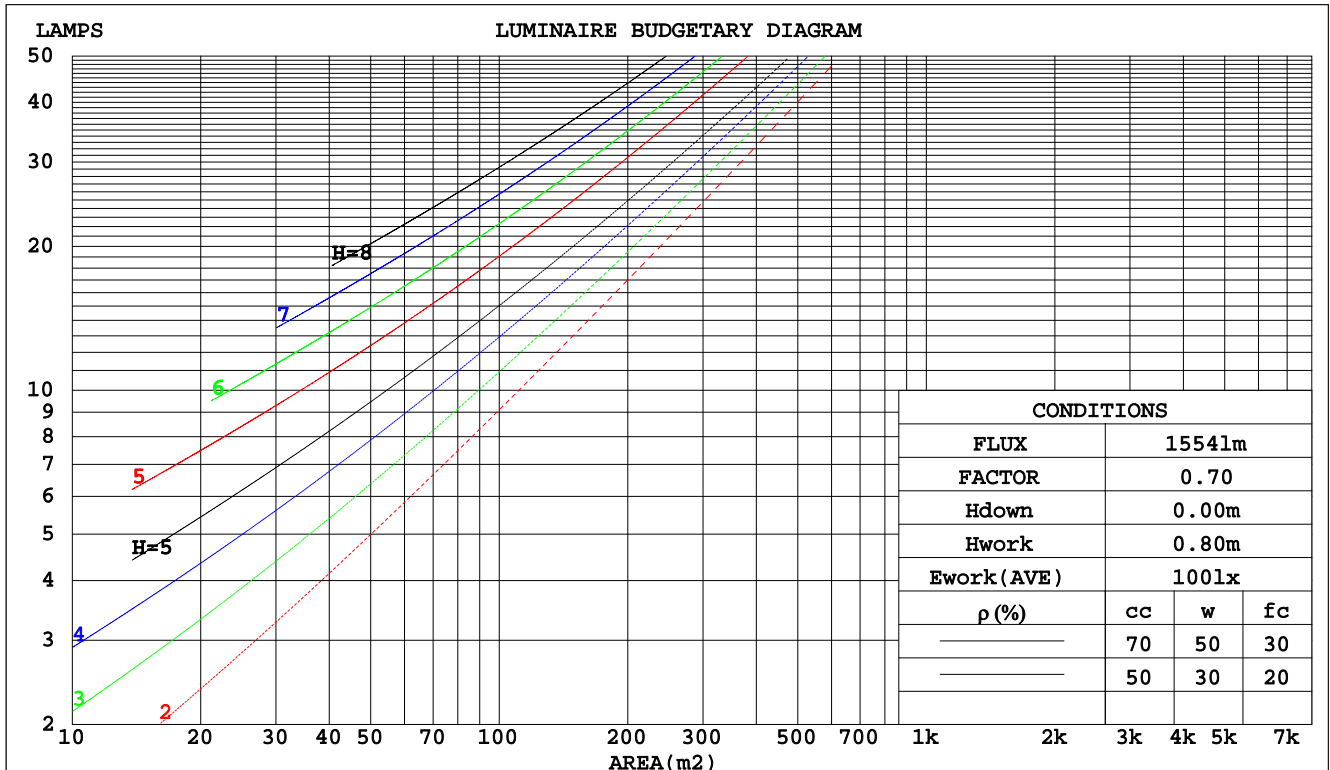
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-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	1.01	.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	.63
3.0	.74	.64	.57	.72	.63	.56	.69	.62	.55	.66	.60	.54	.63	.58	.53	.51
4.0	.64	.54	.47	.63	.53	.46	.60	.52	.45	.57	.50	.45	.55	.49	.44	.42
5.0	.56	.46	.39	.55	.46	.38	.53	.44	.38	.51	.43	.38	.49	.42	.37	.35
6.0	.50	.40	.33	.49	.39	.33	.47	.39	.32	.45	.38	.32	.43	.37	.32	.29
7.0	.45	.35	.28	.44	.35	.28	.42	.34	.28	.41	.33	.28	.39	.32	.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	.21	.33	.26	.21	.19
10.0	.34	.25	.19	.33	.25	.19	.32	.24	.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 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-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	.355	.202	.064	.348	.199	.063	.335	.192	.061	.322	.186	.060	.311	.180	.058	
2.0	.333	.183	.056	.327	.180	.055	.315	.175	.054	.304	.170	.053	.293	.166	.052	
3.0	.306	.163	.049	.300	.161	.048	.289	.157	.048	.279	.153	.047	.270	.149	.046	
4.0	.279	.145	.043	.274	.143	.042	.264	.140	.042	.255	.137	.041	.247	.134	.041	
5.0	.255	.130	.038	.251	.129	.038	.242	.126	.037	.234	.124	.037	.227	.121	.036	
6.0	.235	.118	.034	.231	.117	.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	.028	.192	.096	.027	.186	.094	.027	.180	.093	.027	
9.0	.187	.091	.025	.184	.090	.025	.179	.088	.025	.174	.087	.025	.169	.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	.185	.157	.132	.158	.135	.114	.108	.093	.079	.062	.054	.046	.020	.017	.015	
2.0	.179	.133	.094	.153	.115	.082	.105	.079	.057	.061	.046	.033	.019	.015	.011	
3.0	.173	.116	.071	.148	.100	.061	.102	.069	.043	.059	.041	.025	.019	.013	.008	
4.0	.166	.103	.055	.142	.089	.048	.098	.062	.034	.057	.036	.020	.018	.012	.007	
5.0	.158	.093	.045	.136	.080	.039	.094	.056	.027	.054	.033	.016	.017	.011	.005	
6.0	.151	.085	.037	.130	.073	.033	.089	.051	.023	.052	.030	.014	.017	.010	.005	
7.0	.144	.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	.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: 17 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-LSB2-150D30[B,W]-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	34.6	36.4	34.9	36.7	37.0	32.4	34.2	32.8	34.6	34.9
3H	39.1	40.7	39.5	41.1	41.4	32.7	34.4	33.1	34.7	35.1
4H	40.2	41.8	40.6	42.1	42.5	32.7	34.3	33.1	34.6	35.0
6H	40.6	42.1	41.0	42.4	42.8	32.7	34.1	33.1	34.5	34.9
8H	40.8	42.2	41.2	42.6	43.0	32.7	34.1	33.1	34.5	34.9
12H	40.9	42.3	41.4	42.7	43.1	32.7	34.0	33.1	34.4	34.8
4H 2H	35.3	36.9	35.7	37.2	37.6	33.9	35.5	34.3	35.9	36.2
3H	39.9	41.3	40.4	41.7	42.1	34.3	35.7	34.7	36.1	36.5
4H	41.6	42.8	42.0	43.2	43.6	34.3	35.5	34.7	35.9	36.4
6H	42.1	43.2	42.6	43.6	44.1	34.3	35.4	34.7	35.8	36.2
8H	42.3	43.3	42.8	43.7	44.2	34.3	35.3	34.7	35.7	36.2
12H	42.5	43.4	43.0	43.9	44.4	34.3	35.2	34.8	35.7	36.1
8H 4H	41.7	42.7	42.1	43.1	43.6	35.6	36.6	36.1	37.1	37.5
6H	42.4	43.2	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	43.0	43.7	43.5	44.2	44.7	35.6	36.3	36.1	36.7	37.3
12H 4H	41.7	42.6	42.1	43.0	43.5	36.1	37.0	36.5	37.4	37.9
6H	42.4	43.1	42.9	43.6	44.1	36.1	36.8	36.6	37.3	37.8
8H	42.7	43.3	43.2	43.8	44.4	36.1	36.7	36.6	37.2	37.8
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 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

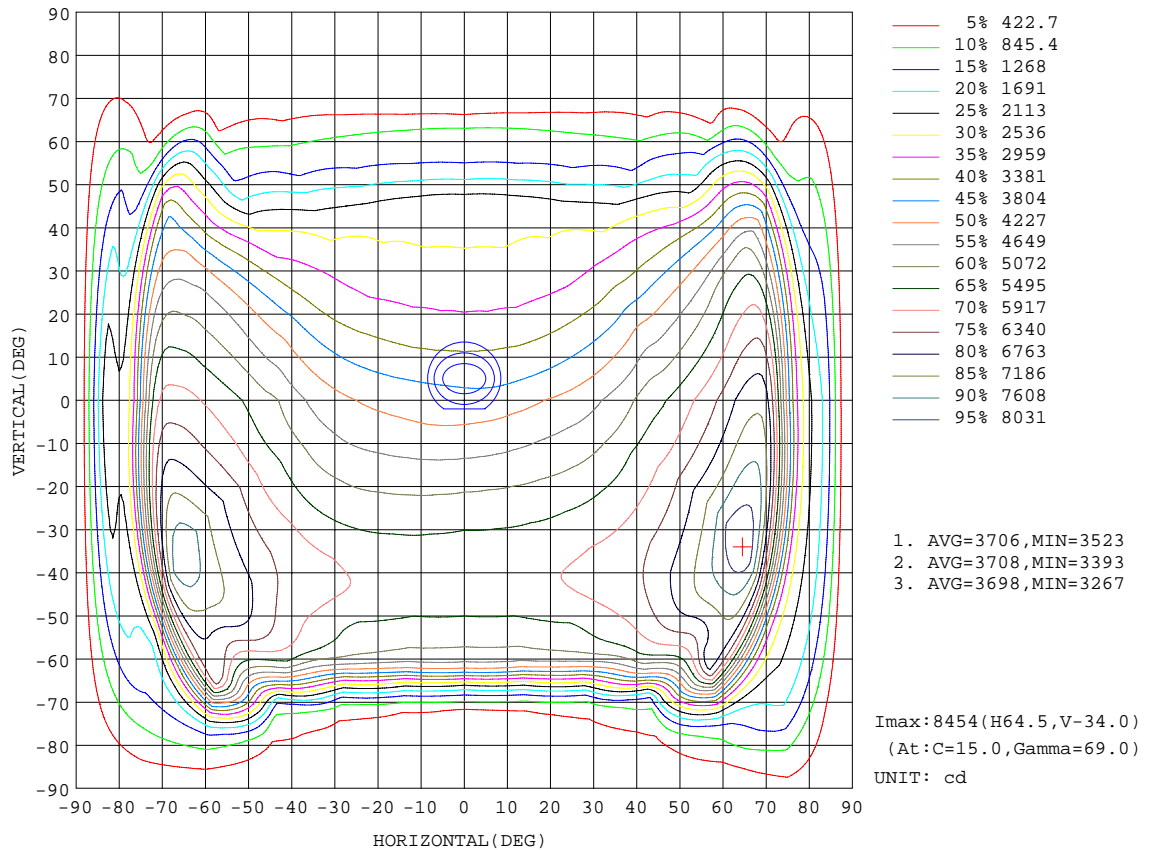
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	29	49	37	29	48	36	29	22
0.80	60	47	38	59	46	38	57	45	38	30
1.00	69	56	47	67	55	47	65	57	47	38
1.25	76	64	56	75	63	55	72	62	55	46
1.50	82	70	62	80	69	62	77	68	61	52
2.00	90	80	72	88	79	72	84	76	70	61
2.50	95	86	79	93	84	78	89	82	76	67
3.00	99	91	84	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	95	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 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



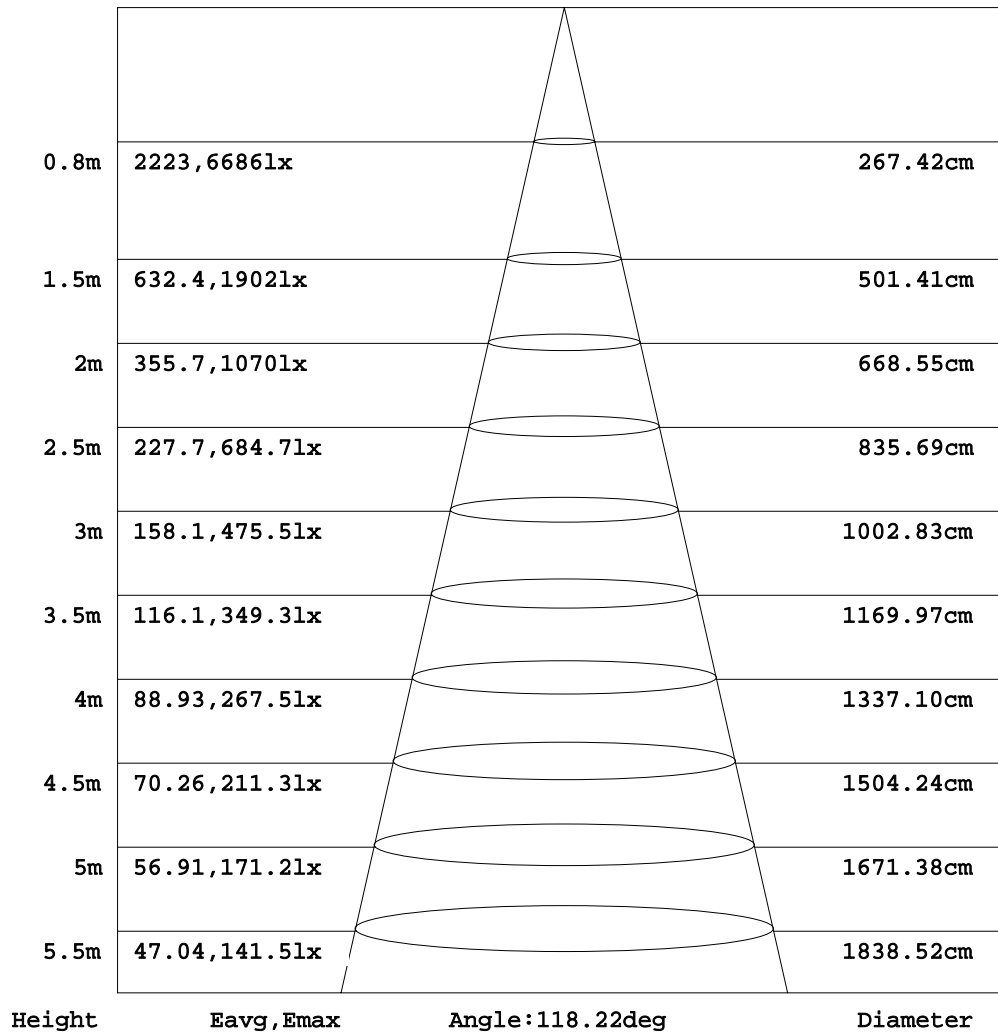
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:13410 lm



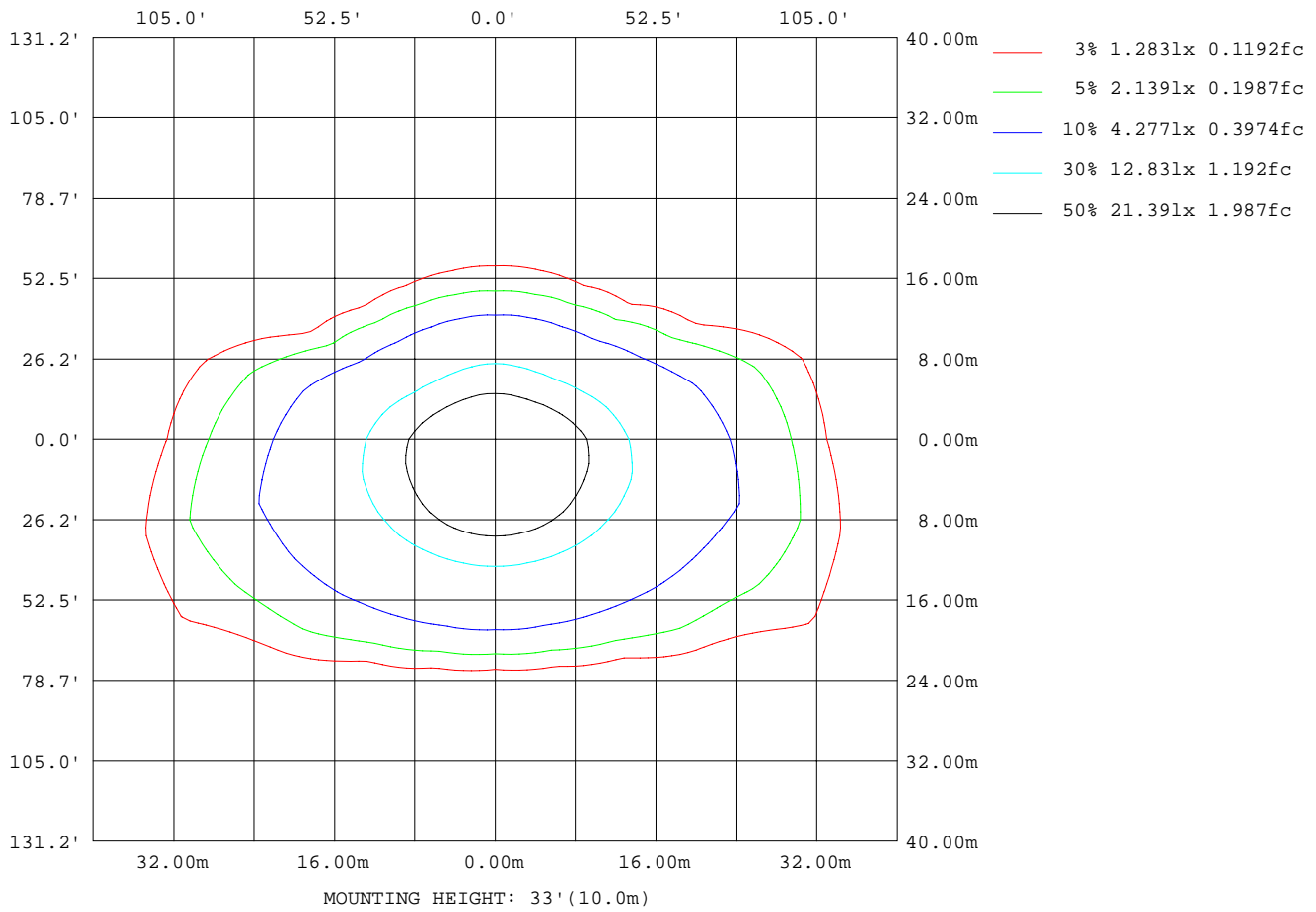
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-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 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

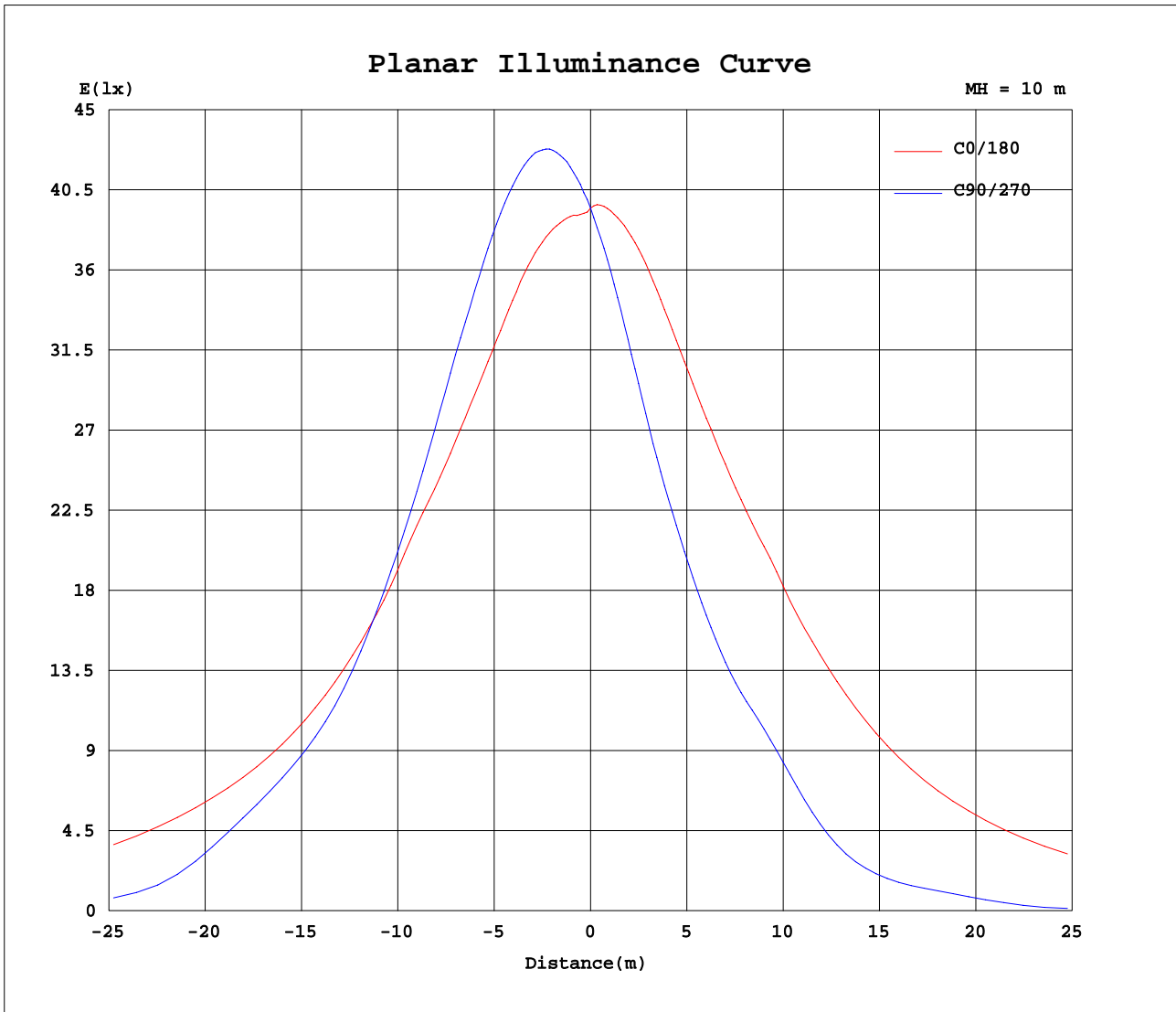
AvgL	cd/m2
L_0~180(65)av	366724
L_0~180(75)av	361080
L_0~180(85)av	385016
L_90~270(65)av	93692
L_90~270(75)av	20790
L_90~270(85)av	15409
L_45(65)av	191822
L_45(75)av	74909
L_45(85)av	38854

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 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: 17 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-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	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947	3947
5	3952	4062	4111	4150	4180	4195	4195	4179	4147	4105	4052	4041	3991	3918	3849	3790	3746	3716	3701
10	4029	4174	4275	4358	4420	4456	4461	4432	4379	4300	4202	4113	4029	3884	3743	3623	3531	3472	3443
15	4137	4334	4479	4596	4680	4728	4735	4692	4611	4504	4369	4222	4082	3861	3640	3448	3307	3227	3194
20	4260	4505	4691	4832	4938	4999	5006	4949	4843	4711	4533	4330	4139	3847	3549	3288	3109	3010	2973
25	4379	4673	4897	5064	5180	5247	5264	5192	5073	4918	4708	4462	4225	3855	3468	3146	2946	2845	2811
30	4561	4878	5108	5295	5404	5468	5488	5414	5282	5118	4899	4643	4360	3892	3396	3011	2795	2694	2664
35	4804	5139	5365	5522	5623	5669	5685	5628	5505	5332	5127	4876	4566	3981	3330	2893	2653	2562	2540
40	5125	5481	5606	5736	5809	5776	5752	5761	5734	5564	5381	5198	4843	4119	3284	2769	2545	2502	2508
45	5417	5799	5873	5979	5903	5745	5709	5750	5854	5849	5693	5531	5160	4275	3213	2613	2430	2380	2360
50	5690	6153	6210	6127	5819	5557	5498	5564	5804	6066	6057	5893	5418	4387	3075	2384	2089	1907	1841
55	6047	6659	6506	6095	5535	5231	5179	5234	5517	6078	6365	6364	5662	4506	2814	1986	1529	1335	1269
60	6474	7266	6837	5934	5253	4873	4778	4911	5295	5966	6699	6858	5871	4549	2372	1392	1097	1027	1014
65	6957	8110	6967	5680	4267	3056	2716	3141	4486	5913	6990	7443	6062	4479	1614	979	819	679	610
70	6900	8379	6506	4516	1671	940	810	1002	1872	4843	6610	8038	6017	4178	1082	558	363	238	237
75	3990	5949	6920	1156	478	289	265	305	516	1561	6718	6381	3860	3683	446	268	200	185	187
80	2216	2490	2927	489	257	192	190	194	268	557	4030	1815	2223	787	165	139	118	119	105
85	1185	1657	734	228	131	114	112	113	138	271	942	1119	1633	150	56.7	34.7	14.9	2.44	0.38
90	87.5	255	115	47.8	41.4	41.5	37.0	41.0	41.6	46.0	162	200	55.7	24.9	9.28	4.63	1.94	0.98	0.88
95	2.39	26.7	3.79	0.91	0.91	1.09	0.37	1.09	1.10	1.66	12.0	24.9	5.96	5.42	4.43	3.47	2.35	1.66	1.51
100	2.56	1.93	1.30	0.73	0.49	0.45	0.44	0.48	0.69	1.14	1.66	2.31	5.60	5.60	4.95	4.08	3.26	2.46	2.28
105	2.86	2.19	1.51	0.89	0.60	0.55	0.54	0.60	0.92	1.44	2.08	2.71	5.78	5.68	5.13	4.52	3.98	3.17	2.97
110	3.16	2.43	1.68	1.03	0.71	0.65	0.65	0.76	1.19	1.76	2.46	3.11	5.53	5.47	5.10	4.70	4.29	3.66	3.34
115	3.50	2.65	1.80	1.16	0.88	0.84	0.85	0.99	1.45	2.03	2.77	3.46	5.32	5.43	5.16	4.83	4.55	4.10	3.74
120	3.78	2.91	2.07	1.43	1.11	1.07	1.09	1.25	1.68	2.23	3.05	3.82	5.19	5.52	5.31	5.07	5.08	4.64	4.35
125	4.25	3.23	2.38	1.70	1.38	1.33	1.36	1.55	1.95	2.35	3.34	4.20	5.28	5.84	5.66	5.70	5.65	5.28	5.06
130	4.50	3.47	2.60	1.96	1.67	1.62	1.67	1.86	2.20	2.55	3.53	4.46	5.60	6.21	6.12	6.23	6.09	5.95	5.76
135	4.48	3.62	2.84	2.27	2.00	1.96	2.02	2.20	2.47	2.84	3.55	4.54	5.74	6.21	6.40	6.45	6.37	6.33	6.29
140	4.28	3.65	3.05	2.57	2.34	2.33	2.40	2.57	2.79	3.10	3.51	4.36	5.65	6.07	6.37	6.55	6.60	6.65	6.70
145	4.05	3.64	3.22	2.86	2.67	2.67	2.78	2.92	3.13	3.29	3.47	4.11	5.64	5.98	6.38	6.63	6.75	6.88	6.99
150	3.88	3.63	3.37	3.15	3.02	3.08	3.21	3.33	3.48	3.45	3.55	3.91	5.71	6.02	6.43	6.68	6.81	7.04	7.19
155	4.01	3.83	3.64	3.49	3.43	3.54	3.69	3.80	3.88	3.79	3.79	4.00	5.86	6.07	6.40	6.70	6.87	7.11	7.33
160	4.17	4.04	3.92	3.84	3.88	4.03	4.19	4.27	4.28	4.12	3.98	4.11	6.00	6.08	6.28	6.56	6.77	7.03	7.33
165	4.36	4.30	4.25	4.27	4.37	4.54	4.66	4.74	4.70	4.51	4.35	4.28	5.96	6.00	6.07	6.23	6.38	6.61	6.94
170	4.64	4.63	4.64	4.67	4.80	4.99	5.13	5.17	5.10	4.91	4.74	4.55	5.90	5.89	5.90	5.98	5.99	6.11	6.39
175	5.18	5.11	5.07	5.11	5.23	5.39	5.50	5.54	5.50	5.36	5.22	5.09	5.87	5.85	5.86	5.92	5.87	5.91	6.10
180	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.71	5.71	5.71	5.71	5.71	5.71	5.71

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 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:1.2515A P:150.02W PF:0.9989 Freq:60.00Hz Lamp Flux:19500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D30[B,W]-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	3947	3947	3947	3947	3947														
5	3707	3729	3766	3817	3875														
10	3467	3523	3613	3724	3853														
15	3228	3311	3458	3651	3866														
20	3008	3114	3309	3583	3896														
25	2839	2943	3173	3537	3948														
30	2688	2803	3052	3506	4028														
35	2562	2678	2961	3480	4157														
40	2504	2565	2860	3485	4347														
45	2394	2455	2709	3466	4544														
50	1940	2141	2481	3424	4640														
55	1348	1575	2125	3289	4796														
60	1039	1091	1524	2950	4998														
65	712	851	1047	2233	5218														
70	243	382	644	1544	5077														
75	182	220	272	624	3791														
80	122	118	137	197	917														
85	7.64	24.2	35.1	55.2	156														
90	1.05	2.26	5.08	9.39	27.6														
95	1.75	2.60	3.89	4.71	4.92														
100	2.56	3.49	4.55	5.17	5.27														
105	3.24	4.09	4.80	5.19	5.31														
110	3.55	4.13	4.70	4.99	5.04														
115	3.79	4.23	4.70	4.89	4.99														
120	4.27	4.57	5.00	5.13	5.12														
125	5.01	5.20	5.54	5.64	5.49														
130	5.65	5.82	6.13	6.31	5.96														
135	6.07	6.13	6.34	6.48	6.10														
140	6.46	6.33	6.33	6.35	5.93														
145	6.76	6.49	6.34	6.27	5.81														
150	7.00	6.71	6.47	6.32	5.80														
155	7.24	6.99	6.66	6.45	5.88														
160	7.34	7.18	6.83	6.56	5.93														
165	7.03	6.99	6.73	6.45	5.81														
170	6.52	6.54	6.39	6.21	5.59														
175	6.20	6.23	6.10	5.90	5.34														
180	5.71	5.71	5.71	5.71	5.71														

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