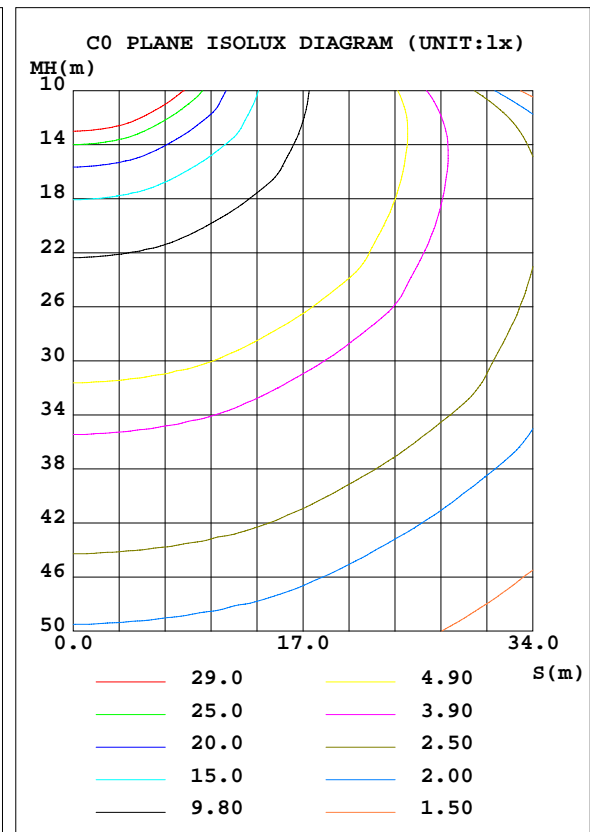
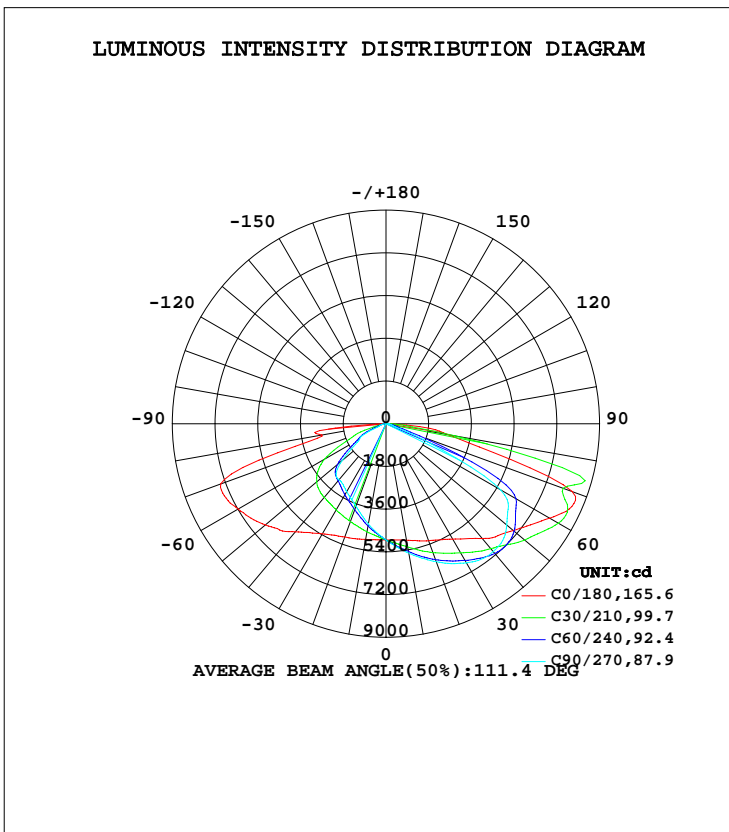


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.60 lm/W			
MODEL ASD-LSB2-185D30B-PRM		I _{max} (cd)	10430	S/MH(C0/180)	1.85
NOMINAL POWER(W)	185	LOR(%)	100.0	S/MH(C90/270)	1.01
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	24050	η UP, DN(C0-180)	0.1,65.5
NOMINAL FLUX(lm)	24050	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)	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: 52.2%
 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	498.5	537.8	553.5	534.9	494.7	447.5	428.8	450.2	0- 10	469.1	469.1	1.95,1.95
20	524.6	596.0	618.2	585.2	507.8	407.5	369.9	412.8	10- 20	1412	1881	7.83,7.83
30	561.6	651.8	676.6	634.6	535.9	372.1	330.8	380.5	20- 30	2360	4241	17.7,17.7
40	631.1	704.4	703.1	688.2	594.3	342.1	308.8	356.8	30- 40	3322	7564	31.5,31.5
50	699.7	747.5	664.4	747.5	663.2	297.4	240.8	310.7	40- 50	4244	11808	49.2,49.2
60	795.9	718.3	558.4	729.8	719.1	180.6	127.9	198.7	50- 60	4751	16559	68.9,68.9
70	833.7	493.9	69.88	550.3	740.9	77.08	29.41	88.28	60- 70	4456	21015	87.5,87.5
80	266.2	49.44	21.41	56.35	274.2	18.85	15.92	18.48	70- 80	2487	23502	97.8,97.8
90	9.981	3.494	2.976	3.395	7.243	0.7229	0.0933	0.7907	80- 90	480.9	23983	99.8,99.8
100	0.3119	0.0907	0.0552	0.1442	0.6749	0.4865	0.2582	0.5526	90-100	12.74	23996	99.9,99.9
110	0.3862	0.1270	0.0832	0.2219	0.6718	0.5679	0.3999	0.5808	100-110	3.752	24000	99.9,99.9
120	0.4642	0.1802	0.1400	0.2777	0.6297	0.6063	0.5137	0.6065	110-120	3.968	24004	99.9,99.9
130	0.5540	0.2440	0.2129	0.3189	0.6796	0.7497	0.6869	0.7437	120-130	4.291	24008	99.9,99.9
140	0.5257	0.3206	0.3034	0.3872	0.6873	0.7974	0.8097	0.7784	130-140	4.323	24012	100,100
150	0.4740	0.3902	0.4038	0.4265	0.6946	0.8137	0.8722	0.7928	140-150	3.728	24016	100,100
160	0.5079	0.4752	0.5247	0.5084	0.7259	0.8081	0.8984	0.8408	150-160	2.948	24019	100,100
170	0.5628	0.5697	0.6343	0.5984	0.7132	0.7357	0.7956	0.8007	160-170	1.907	24021	100,100
180	0.7189	0.6910	0.7000	0.6819	0.7159	0.6903	0.7038	0.7014	170-180	0.6536	24021	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 9588 lm

%lum = 39.9%

%lamp = 39.9%

Conical surface Flux(120deg): 16559 lm

%lum = 68.9%

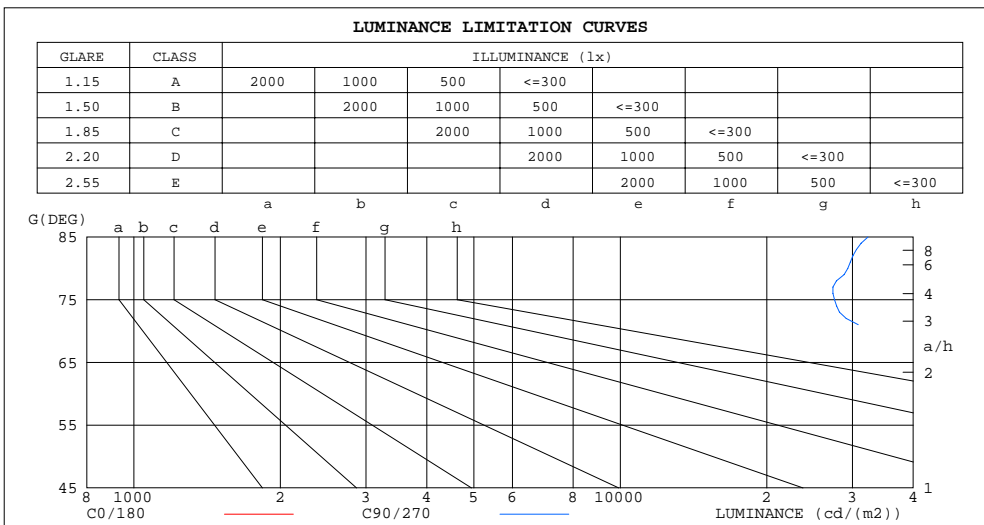
%lamp = 68.9%

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: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	391671	32302
80	365064	29363
75	431466	27560
70	580354	48650
65	479541	146890
60	378988	265881
55	308485	260759
50	259176	246109
45	224567	234230

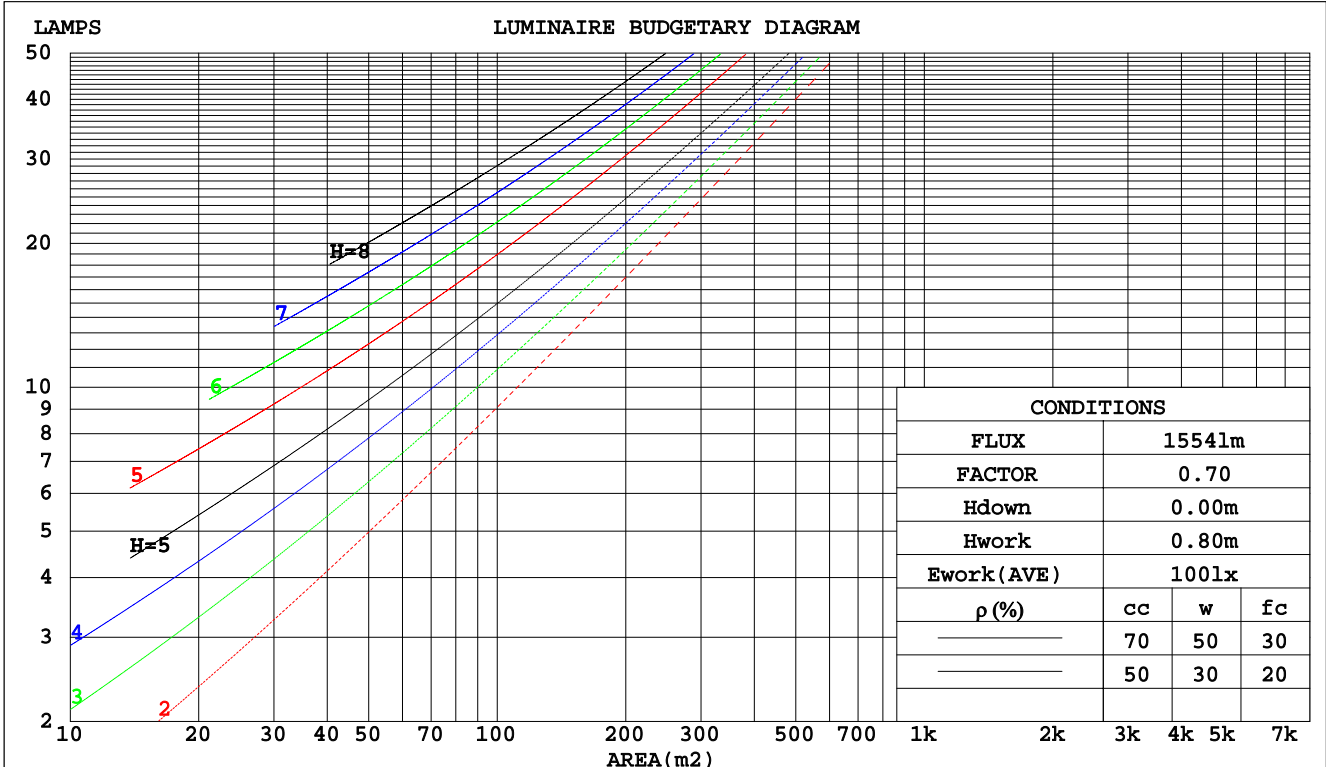
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-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	.92	.99	.95	.91	.95	.91	.88	.91	.88	.85	.87	.85	.83	.80
2.0	.86	.79	.72	.84	.77	.71	.81	.75	.69	.77	.72	.68	.74	.70	.66	.64
3.0	.74	.65	.57	.72	.64	.57	.69	.62	.56	.66	.60	.55	.64	.58	.54	.51
4.0	.64	.54	.47	.63	.54	.46	.60	.52	.46	.58	.51	.45	.55	.49	.44	.42
5.0	.56	.46	.39	.55	.46	.39	.53	.45	.38	.51	.44	.38	.49	.42	.37	.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	.41	.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	.20	.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 GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-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	.352	.200	.063	.345	.197	.062	.331	.190	.061	.319	.184	.059	.307	.178	.057	
2.0	.331	.181	.056	.325	.179	.055	.312	.174	.054	.301	.169	.053	.291	.165	.052	
3.0	.304	.162	.048	.298	.160	.048	.287	.156	.047	.277	.152	.047	.268	.148	.046	
4.0	.278	.144	.042	.273	.143	.042	.263	.140	.042	.254	.136	.041	.246	.134	.041	
5.0	.255	.130	.038	.250	.128	.037	.241	.126	.037	.233	.123	.037	.226	.121	.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	.185	.094	.027	.180	.092	.027	
9.0	.187	.090	.025	.184	.090	.025	.178	.088	.025	.173	.087	.025	.168	.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	.184	.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	.060	.046	.033	.019	.015	.011	
3.0	.172	.116	.071	.148	.100	.061	.101	.069	.043	.059	.041	.025	.019	.013	.008	
4.0	.165	.103	.055	.142	.089	.048	.097	.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	.150	.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	.049	.028	.012	.016	.009	.004	
8.0	.136	.072	.028	.117	.063	.024	.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	.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 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:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-LSB2-185D30B-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	35.3	37.1	35.7	37.4	37.7	33.1	34.9	33.5	35.2	35.5
3H	39.8	41.5	40.2	41.8	42.2	33.2	34.9	33.6	35.2	35.6
4H	40.9	42.4	41.3	42.8	43.2	33.2	34.7	33.6	35.1	35.5
6H	41.2	42.7	41.6	43.0	43.4	33.2	34.6	33.6	35.0	35.4
8H	41.4	42.8	41.8	43.2	43.6	33.1	34.5	33.6	34.9	35.3
12H	41.6	42.9	42.0	43.3	43.7	33.1	34.5	33.6	34.8	35.3
4H 2H	36.0	37.6	36.4	38.0	38.3	34.6	36.2	35.0	36.5	36.9
3H	40.7	42.0	41.1	42.4	42.8	34.8	36.1	35.2	36.5	36.9
4H	42.2	43.4	42.6	43.8	44.2	34.8	36.0	35.2	36.4	36.8
6H	42.7	43.7	43.1	44.2	44.6	34.7	35.8	35.2	36.2	36.7
8H	42.9	43.9	43.4	44.3	44.8	34.7	35.7	35.2	36.2	36.6
12H	43.1	44.0	43.6	44.5	45.0	34.7	35.6	35.2	36.1	36.6
8H 4H	42.3	43.3	42.7	43.7	44.2	36.1	37.1	36.5	37.5	38.0
6H	42.9	43.7	43.4	44.2	44.7	36.0	36.9	36.5	37.4	37.8
8H	43.2	43.9	43.7	44.4	44.9	36.0	36.8	36.5	37.3	37.8
12H	43.5	44.2	44.0	44.7	45.2	36.0	36.7	36.5	37.2	37.7
12H 4H	42.3	43.1	42.7	43.6	44.1	36.4	37.3	36.9	37.8	38.3
6H	42.9	43.6	43.4	44.1	44.6	36.4	37.2	37.0	37.6	38.2
8H	43.2	43.8	43.7	44.3	44.9	36.4	37.1	36.9	37.6	38.1
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: 52.2%
Test Distance: 2.500m [K=1.0469]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

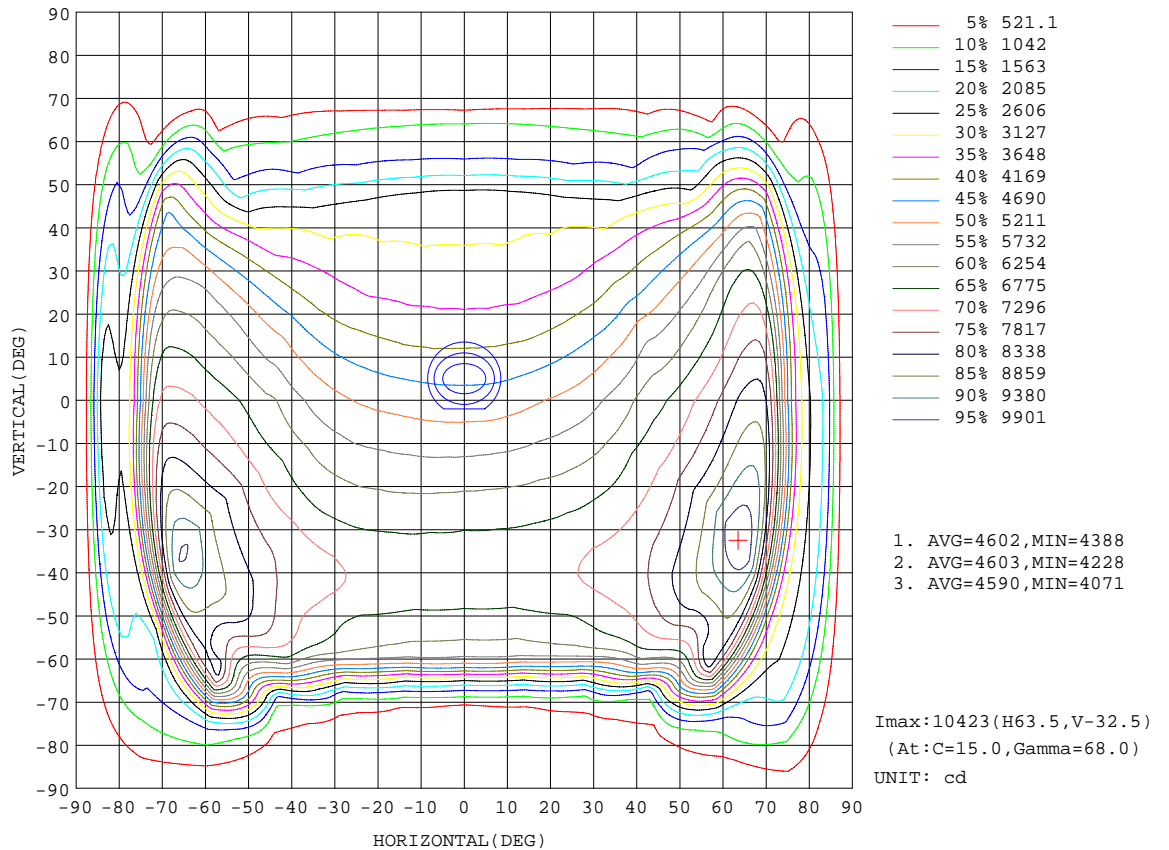
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	29	49	37	29	48	36	29	22
0.80	60	47	39	59	47	38	57	46	38	30
1.00	69	56	48	68	56	48	65	57	47	39
1.25	77	65	56	75	64	56	72	62	55	47
1.50	82	71	63	81	70	62	77	68	61	52
2.00	90	80	73	88	79	72	85	77	70	62
2.50	95	86	79	93	85	78	89	82	76	67
3.00	99	91	85	97	90	84	93	87	81	72
4.00	104	97	92	101	96	91	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 GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

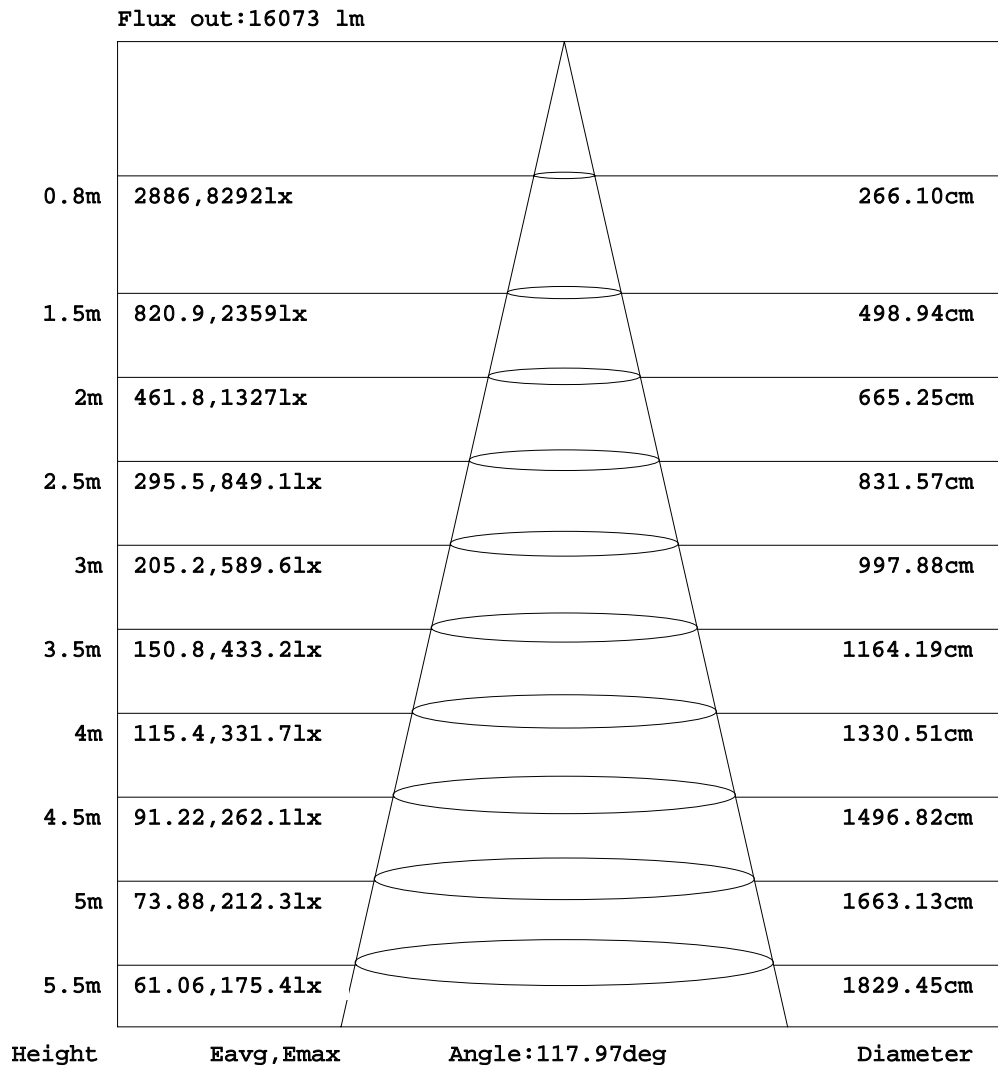


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

AAI Figure

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



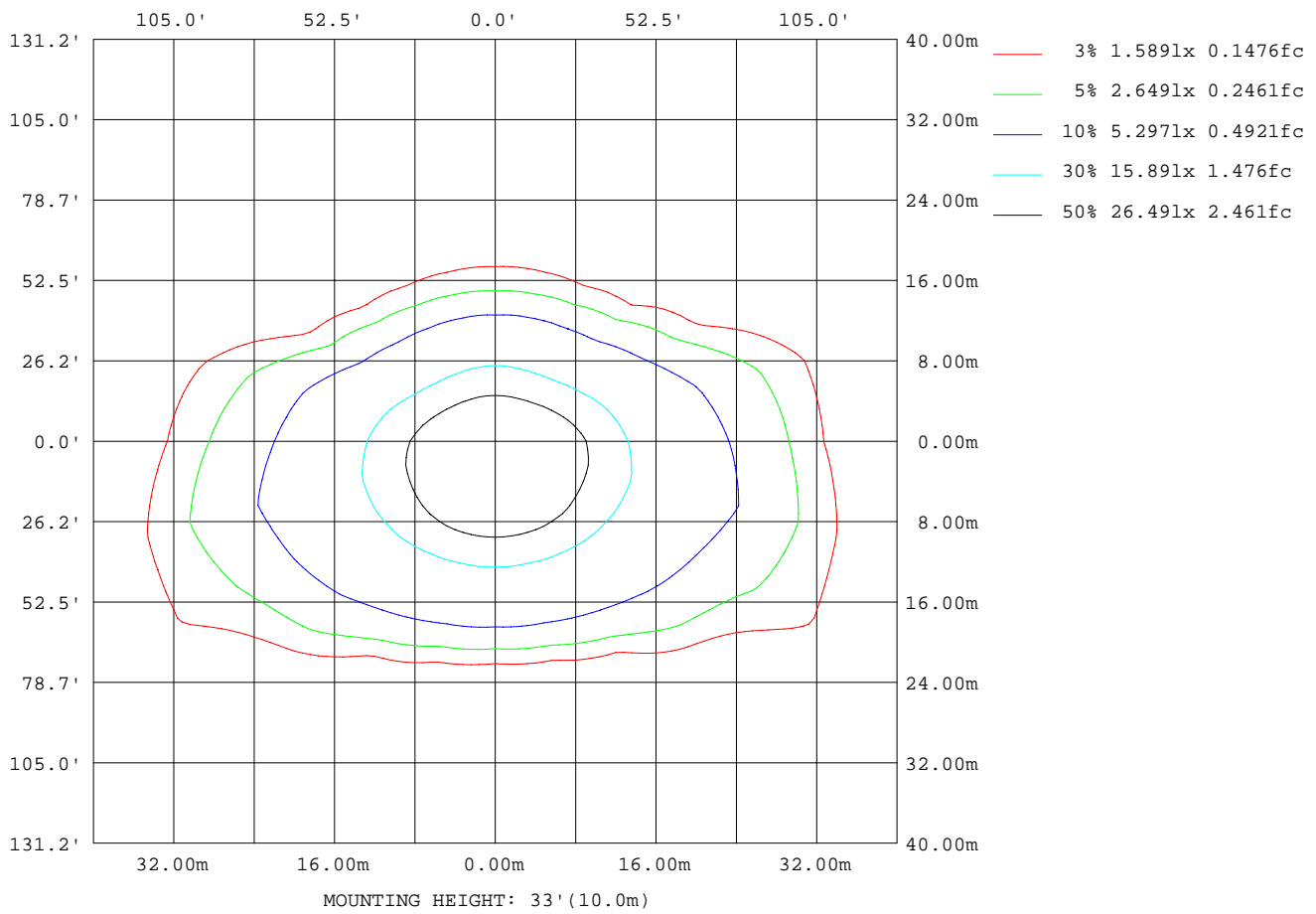
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-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: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

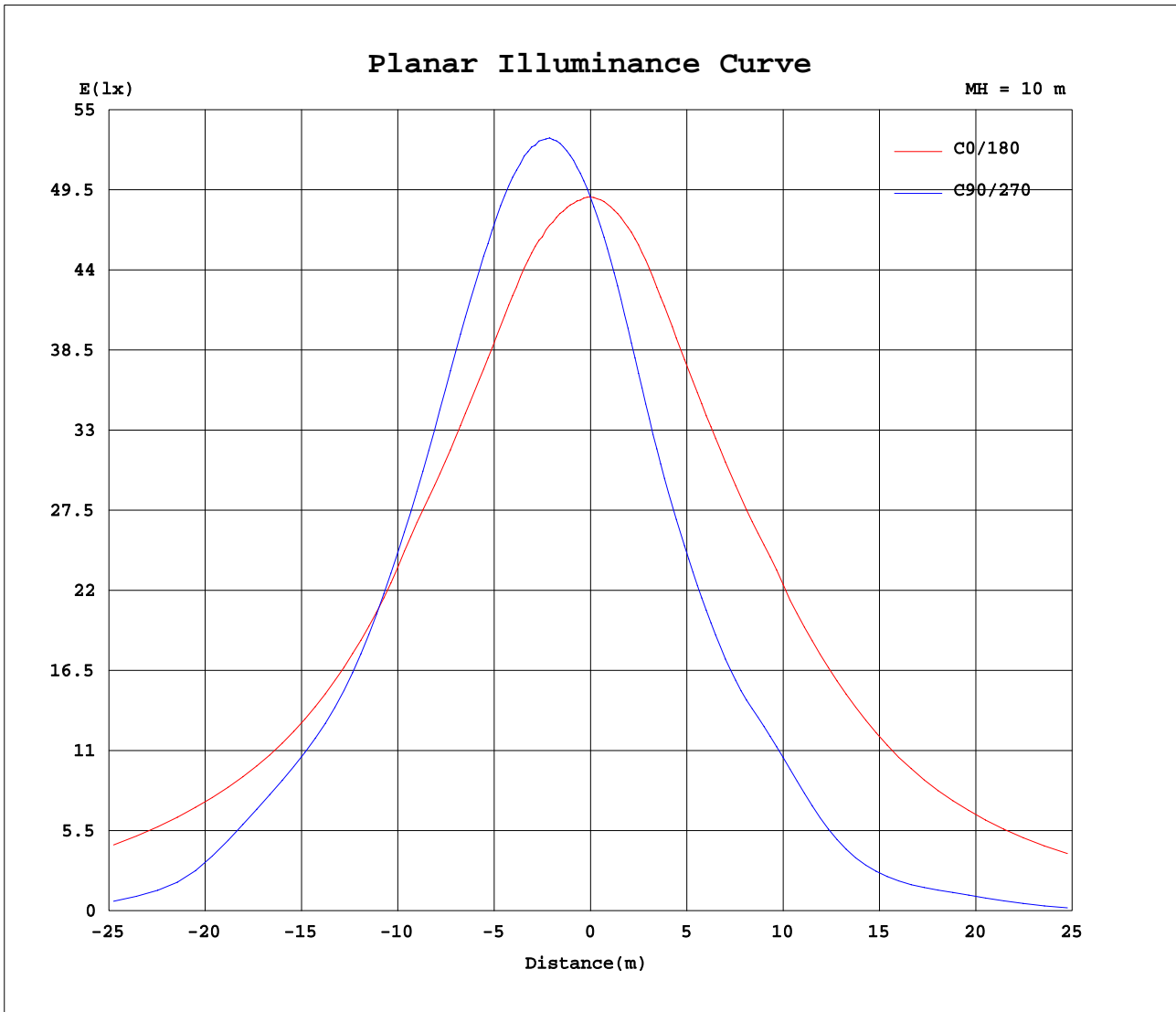
AvgL	cd/m2
L_0~180(65)av	449092
L_0~180(75)av	433044
L_0~180(85)av	489497
L_90~270(65)av	99164
L_90~270(75)av	25191
L_90~270(85)av	16376
L_45(65)av	234184
L_45(75)av	69935
L_45(85)av	39962

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: 52.2%
 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: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-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	490	490	489	489	490	490	490	490	490	489	489	489	490	490	489	489	490	490	490
5	491	499	506	513	518	520	521	519	516	512	506	498	491	482	475	469	463	461	460
10	499	514	527	538	546	552	553	550	545	535	523	509	495	479	462	447	437	432	429
15	511	533	552	567	579	586	587	582	572	560	543	523	501	476	450	427	411	401	398
20	525	554	578	596	610	617	618	613	600	585	564	537	508	474	439	407	386	374	370
25	539	574	602	624	638	647	650	642	628	610	585	554	518	475	429	389	364	352	349
30	562	599	628	652	665	674	677	668	654	635	608	577	536	480	420	372	347	334	331
35	591	632	658	679	692	696	698	694	681	659	636	605	560	491	411	358	328	317	314
40	631	674	687	704	713	706	703	707	706	688	666	645	594	508	405	342	314	308	309
45	667	712	721	734	720	699	696	701	719	724	706	685	634	529	397	324	302	298	298
50	700	757	763	747	705	670	664	673	707	748	749	732	663	541	382	297	267	248	241
55	743	821	798	739	666	633	628	634	667	745	788	793	694	557	351	253	199	175	166
60	796	898	838	718	632	576	558	584	643	730	829	854	719	563	299	181	140	130	128
65	851	1004	845	683	467	298	261	311	501	722	862	930	743	558	206	124	110	97.2	91.3
70	834	1027	795	494	152	88.8	69.9	93.3	173	550	802	1003	741	521	137	77.1	50.7	30.6	29.4
75	469	687	845	105	51.2	31.8	30.0	33.0	53.5	127	853	764	472	466	56.4	35.5	27.2	24.4	24.8
80	266	294	297	49.4	27.8	21.9	21.4	22.2	29.2	56.4	427	202	274	102	22.3	18.9	16.4	17.6	15.9
85	143	194	75.5	22.1	12.9	11.9	11.8	11.7	13.5	26.5	103	130	215	17.2	8.31	4.69	4.15	2.38	0.16
90	9.98	22.9	10.3	3.49	3.57	3.71	2.98	3.71	3.61	3.40	11.9	21.6	7.24	3.34	1.36	0.72	0.35	0.11	0.09
95	0.27	2.76	0.14	0.07	0.05	0.05	0.04	0.05	0.07	0.11	0.21	2.54	0.77	0.66	0.53	0.41	0.26	0.18	0.17
100	0.31	0.24	0.16	0.09	0.06	0.06	0.06	0.06	0.09	0.14	0.21	0.28	0.67	0.68	0.60	0.49	0.38	0.28	0.26
105	0.35	0.27	0.19	0.11	0.07	0.07	0.07	0.07	0.12	0.18	0.26	0.34	0.70	0.69	0.63	0.54	0.47	0.37	0.35
110	0.39	0.30	0.21	0.13	0.09	0.08	0.08	0.10	0.15	0.22	0.31	0.39	0.67	0.66	0.62	0.57	0.52	0.43	0.40
115	0.43	0.33	0.22	0.15	0.11	0.11	0.11	0.13	0.18	0.26	0.35	0.43	0.65	0.66	0.63	0.58	0.54	0.49	0.44
120	0.46	0.36	0.26	0.18	0.14	0.14	0.14	0.16	0.21	0.28	0.38	0.48	0.63	0.67	0.64	0.61	0.61	0.55	0.51
125	0.52	0.40	0.30	0.21	0.17	0.17	0.17	0.20	0.25	0.29	0.42	0.52	0.64	0.71	0.68	0.68	0.68	0.63	0.60
130	0.55	0.43	0.32	0.24	0.21	0.21	0.21	0.24	0.28	0.32	0.44	0.56	0.68	0.76	0.74	0.75	0.73	0.71	0.69
135	0.55	0.45	0.35	0.28	0.25	0.25	0.26	0.28	0.31	0.36	0.44	0.57	0.70	0.76	0.78	0.78	0.77	0.76	0.75
140	0.53	0.45	0.38	0.32	0.29	0.29	0.30	0.32	0.35	0.39	0.43	0.54	0.69	0.74	0.78	0.80	0.80	0.81	0.81
145	0.50	0.45	0.40	0.36	0.33	0.34	0.35	0.37	0.40	0.41	0.43	0.51	0.69	0.73	0.78	0.81	0.82	0.84	0.85
150	0.47	0.44	0.42	0.39	0.38	0.39	0.40	0.42	0.44	0.43	0.44	0.48	0.69	0.73	0.79	0.81	0.83	0.86	0.87
155	0.49	0.47	0.45	0.43	0.43	0.45	0.47	0.48	0.49	0.47	0.47	0.49	0.71	0.74	0.78	0.82	0.84	0.87	0.89
160	0.51	0.50	0.48	0.48	0.48	0.50	0.52	0.54	0.54	0.51	0.49	0.51	0.73	0.74	0.77	0.81	0.83	0.87	0.90
165	0.53	0.53	0.52	0.53	0.54	0.57	0.58	0.59	0.59	0.56	0.54	0.52	0.72	0.73	0.74	0.77	0.79	0.82	0.86
170	0.56	0.56	0.57	0.57	0.59	0.62	0.63	0.64	0.63	0.60	0.58	0.55	0.71	0.71	0.72	0.74	0.74	0.76	0.80
175	0.62	0.63	0.63	0.63	0.65	0.68	0.69	0.70	0.69	0.66	0.65	0.62	0.71	0.71	0.72	0.72	0.72	0.73	0.76
180	0.72	0.70	0.69	0.69	0.69	0.70	0.70	0.70	0.69	0.68	0.67	0.67	0.72	0.72	0.70	0.69	0.69	0.69	0.70

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: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.5461A P:185.35W PF:0.9990 Freq:60.00Hz Lamp Flux:24050x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-185D30B-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	490	490	489	489	489														
5	461	464	469	476	483														
10	432	439	450	464	481														
15	402	413	431	456	483														
20	374	388	413	448	487														
25	353	366	396	442	493														
30	334	349	380	438	503														
35	318	333	369	434	519														
40	309	318	357	434	543														
45	300	306	338	434	570														
50	252	274	311	429	580														
55	178	206	271	414	599														
60	131	140	199	376	625														
65	101	112	133	288	655														
70	32.7	54.8	88.3	200	641														
75	23.9	29.8	36.1	85.7	489														
80	18.0	16.4	18.5	25.8	125														
85	2.76	4.34	5.22	7.74	18.8														
90	0.12	0.42	0.79	1.39	3.83														
95	0.19	0.30	0.46	0.57	0.61														
100	0.29	0.41	0.55	0.63	0.65														
105	0.38	0.50	0.59	0.64	0.66														
110	0.43	0.51	0.58	0.62	0.63														
115	0.46	0.51	0.58	0.60	0.62														
120	0.51	0.55	0.61	0.63	0.64														
125	0.59	0.62	0.67	0.69	0.68														
130	0.68	0.70	0.74	0.77	0.74														
135	0.73	0.75	0.78	0.80	0.77														
140	0.78	0.77	0.78	0.79	0.75														
145	0.82	0.79	0.78	0.78	0.74														
150	0.85	0.82	0.79	0.78	0.74														
155	0.88	0.85	0.82	0.80	0.76														
160	0.90	0.88	0.84	0.81	0.78														
165	0.87	0.87	0.84	0.80	0.77														
170	0.81	0.82	0.80	0.77	0.76														
175	0.77	0.78	0.77	0.75	0.73														
180	0.71	0.71	0.70	0.69	0.68														

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: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks: