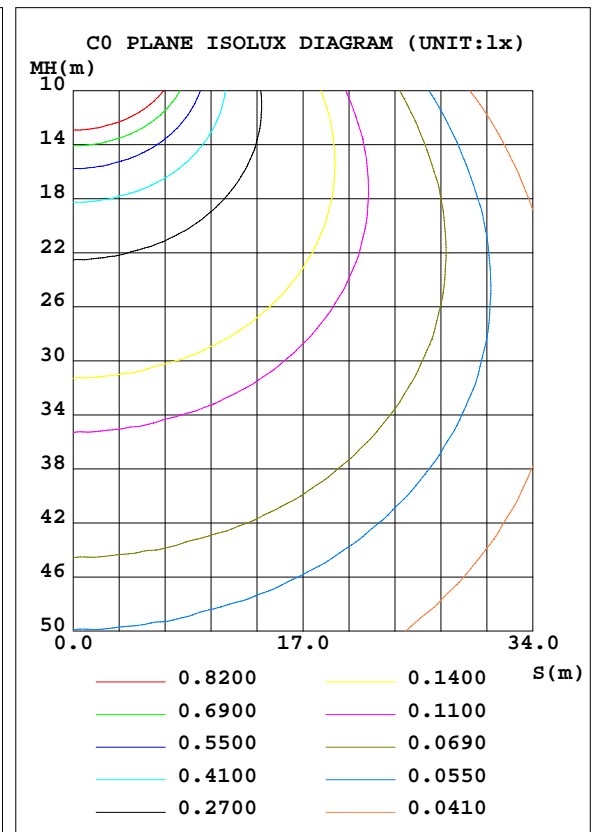
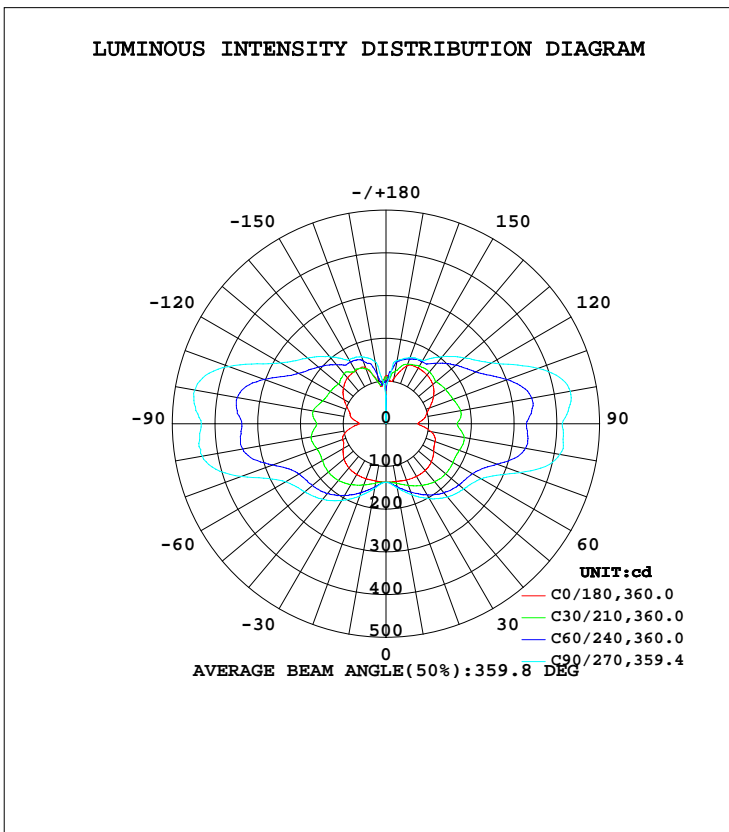


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.30 lm/W			
MODEL	SD-LWS27-MV-36D30CC-BK	I _{max} (cd)	456.0	S/MH(C0/180)	1.52
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	2.33
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	2642.5	η UP, DN(C0-180)	24.5,25.0
NOMINAL FLUX(lm)	2642.48	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	24.8,25.7
LAMPS INSIDE	1	η up(%)	49.3	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	277	η down(%)	50.7	CIBSE SHR MAX	2.00



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	137.5	146.4	152.4	146.2	136.3	146.1	153.4	146.1	0- 10	13.49	13.49	0.51,0.51
20	140.0	163.1	176.9	161.8	137.3	163.1	180.1	164.8	10- 20	43.58	57.07	2.16,2.16
30	142.3	181.7	202.2	178.1	137.4	180.6	207.2	184.7	20- 30	78.59	135.7	5.13,5.13
40	142.8	196.9	224.0	192.2	135.1	195.5	231.6	201.7	30- 40	116.1	251.7	9.53,9.53
50	138.6	206.2	237.1	199.2	128.3	203.3	247.9	212.2	40- 50	151.1	402.8	15.2,15.2
60	128.9	209.3	257.8	202.2	115.4	205.1	271.9	218.5	50- 60	179.6	582.4	22,22
70	122.5	227.0	334.1	219.2	107.9	222.2	360.4	240.6	60- 70	212.6	795.0	30.1,30.1
80	107.0	254.3	413.3	249.1	92.11	255.0	436.6	269.4	70- 80	265.7	1061	40.1,40.1
90	74.67	244.5	412.5	240.9	62.21	247.0	432.6	257.7	80- 90	280.3	1341	50.7,50.7
100	93.84	257.0	438.0	253.1	82.03	258.9	454.3	267.4	90-100	283.3	1624	61.5,61.5
110	108.6	230.3	379.6	221.6	93.40	224.8	391.6	235.5	100-110	268.4	1893	71.6,71.6
120	128.8	203.0	285.9	193.8	113.5	192.6	284.9	203.6	110-120	214.0	2107	79.7,79.7
130	143.1	184.7	239.6	178.5	130.5	177.1	239.8	186.6	120-130	171.5	2278	86.2,86.2
140	149.5	165.0	205.1	159.8	140.1	159.2	204.9	167.3	130-140	137.3	2416	91.4,91.4
150	151.1	164.8	171.0	160.9	143.4	160.8	173.3	167.8	140-150	103.1	2519	95.3,95.3
160	144.4	156.5	164.4	154.2	139.2	147.9	166.7	161.0	150-160	72.62	2591	98.1,98.1
170	108.3	138.1	150.1	113.4	96.81	99.82	147.3	149.4	160-170	40.49	2632	99.6,99.6
180	113.5	103.5	90.51	100.5	112.0	105.9	62.29	96.43	170-180	10.73	2642	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 323.27 lm

%lum = 12.2%

%lamp = 12.2%

Conical surface Flux(120deg): 582.39 lm

%lum = 22.0%

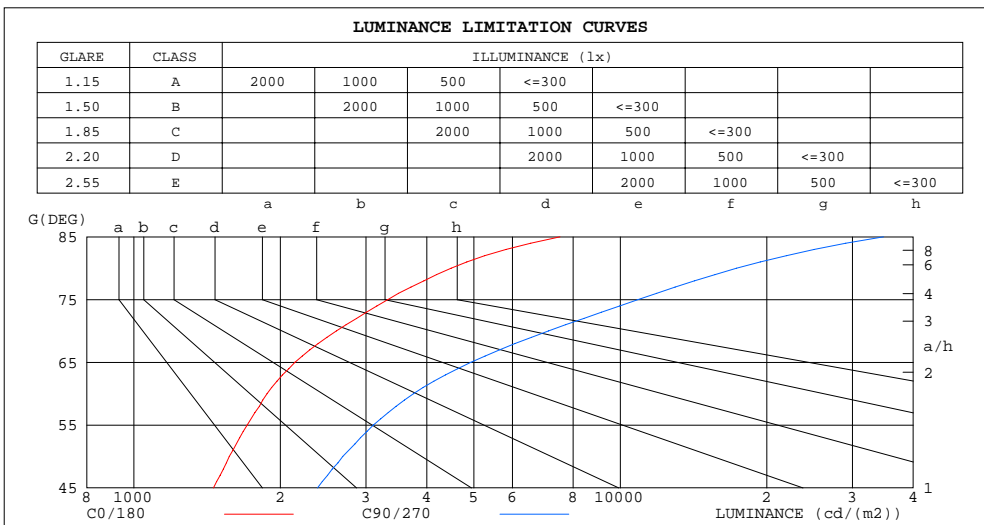
%lamp = 22.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7515	34767
80	4491	17340
75	3328	10880
70	2609	7117
65	2143	4929
60	1879	3756
55	1710	3107
50	1571	2688
45	1457	2385

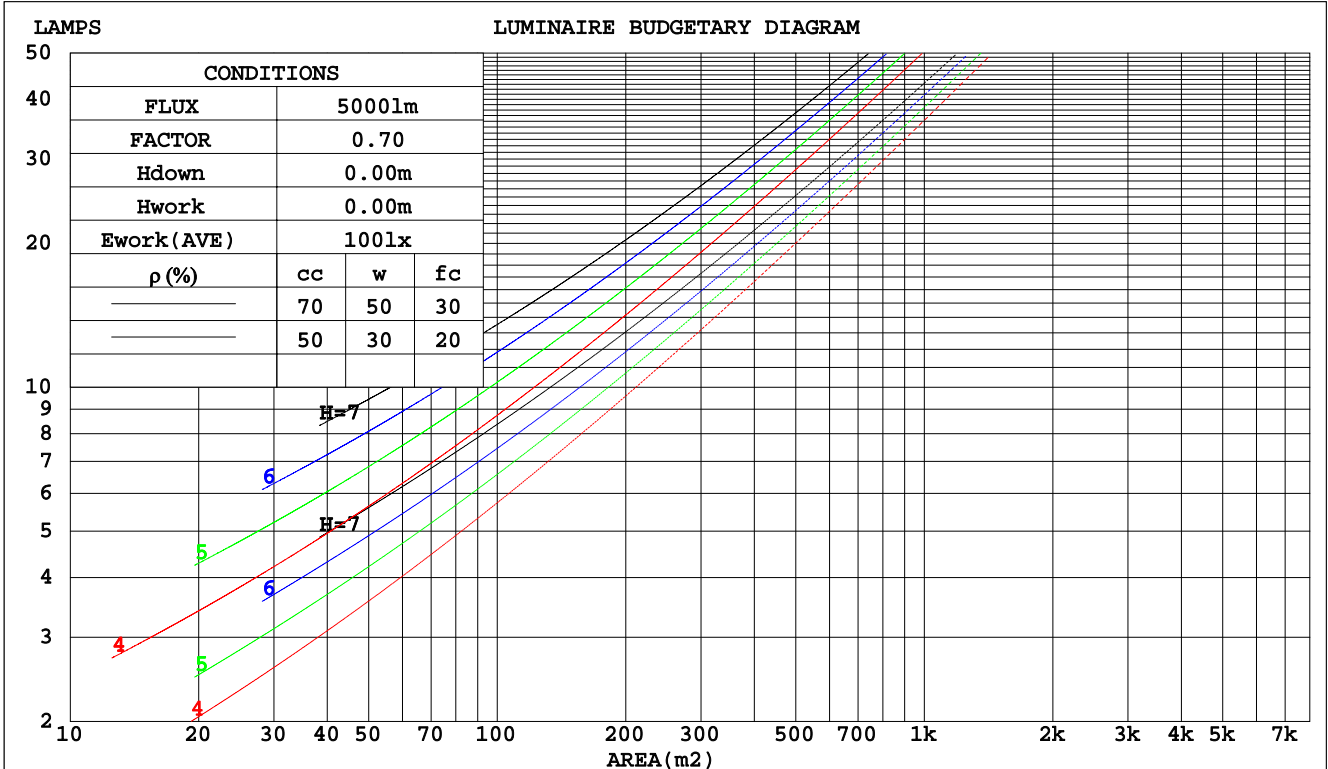
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.86	.80	.75	.79	.74	.69	.66	.62	.58	.53	.50	.47	.42	.40	.38	.32
2.0	.72	.64	.57	.66	.59	.53	.55	.49	.44	.44	.40	.36	.34	.31	.28	.23
3.0	.62	.53	.46	.57	.49	.42	.47	.40	.35	.37	.32	.28	.29	.25	.22	.17
4.0	.54	.45	.37	.50	.41	.34	.41	.34	.29	.33	.27	.23	.25	.21	.18	.14
5.0	.48	.38	.31	.44	.35	.29	.36	.29	.24	.29	.23	.19	.22	.18	.15	.11
6.0	.42	.33	.26	.39	.30	.24	.32	.25	.20	.26	.20	.16	.20	.16	.12	.09
7.0	.38	.29	.23	.35	.27	.21	.29	.22	.17	.23	.18	.14	.18	.14	.11	.08
8.0	.34	.26	.20	.31	.24	.18	.26	.20	.15	.21	.16	.12	.16	.12	.09	.07
9.0	.31	.23	.17	.29	.21	.16	.24	.18	.13	.19	.14	.11	.15	.11	.08	.06
10.0	.28	.21	.15	.26	.19	.14	.22	.16	.12	.18	.13	.10	.14	.10	.07	.05



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

WEC AND CCEC

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	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	.424	.241	.076	.401	.229	.073	.360	.206	.066	.321	.185	.059	.286	.166	.053	
2.0	.350	.192	.059	.330	.182	.056	.291	.162	.050	.256	.144	.045	.224	.127	.040	
3.0	.303	.161	.048	.285	.152	.046	.250	.135	.041	.218	.119	.037	.188	.104	.032	
4.0	.269	.140	.041	.252	.132	.039	.220	.117	.035	.190	.102	.031	.163	.088	.027	
5.0	.242	.123	.036	.226	.116	.034	.197	.103	.030	.170	.089	.027	.144	.077	.023	
6.0	.220	.110	.032	.206	.104	.030	.179	.092	.027	.153	.080	.023	.130	.068	.020	
7.0	.202	.100	.028	.189	.094	.027	.164	.083	.024	.140	.072	.021	.118	.061	.018	
8.0	.186	.091	.026	.174	.086	.024	.151	.075	.022	.129	.065	.019	.108	.056	.016	
9.0	.173	.084	.023	.162	.079	.022	.140	.069	.020	.120	.060	.017	.100	.051	.015	
10.0	.162	.077	.022	.151	.073	.020	.131	.064	.018	.112	.055	.016	.093	.047	.013	

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	.566	.566	.566	.483	.483	.483	.330	.330	.330	.190	.190	.190	.061	.061	.061	
1.0	.567	.533	.504	.485	.458	.434	.332	.315	.300	.191	.182	.174	.061	.059	.056	
2.0	.561	.513	.472	.480	.441	.408	.329	.305	.285	.190	.178	.167	.061	.057	.054	
3.0	.554	.497	.453	.475	.429	.392	.326	.298	.275	.188	.174	.162	.060	.057	.053	
4.0	.546	.486	.440	.469	.420	.382	.322	.293	.269	.186	.171	.159	.060	.056	.052	
5.0	.539	.477	.431	.463	.413	.375	.319	.288	.265	.185	.169	.157	.060	.055	.052	
6.0	.532	.470	.425	.457	.407	.370	.315	.285	.262	.183	.168	.156	.059	.055	.051	
7.0	.525	.464	.421	.451	.402	.367	.312	.282	.260	.181	.166	.155	.059	.054	.051	
8.0	.518	.458	.417	.446	.398	.364	.309	.279	.258	.180	.165	.154	.058	.054	.051	
9.0	.512	.454	.415	.441	.394	.362	.306	.277	.257	.178	.164	.153	.058	.054	.051	
10.0	.506	.450	.413	.436	.391	.360	.303	.275	.256	.177	.163	.153	.057	.053	.051	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm										
NAME:			TYPE:LED			WEIGHT:				
SPEC.:			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	11.1	12.2	12.0	13.1	14.3	14.0	15.1	14.9	16.0	17.2
3H	13.8	14.8	14.7	15.7	16.9	18.3	19.3	19.2	20.2	21.4
4H	15.3	16.2	16.2	17.1	18.3	21.0	21.9	21.9	22.8	24.0
6H	16.8	17.7	17.7	18.7	19.9	23.7	24.6	24.7	25.6	26.8
8H	17.6	18.5	18.5	19.4	20.6	25.2	26.0	26.1	27.0	28.2
12H	18.4	19.3	19.4	20.2	21.4	26.7	27.5	27.6	28.5	29.7
4H 2H	12.9	13.8	13.8	14.8	16.0	14.8	15.7	15.6	16.6	17.8
3H	15.7	16.5	16.6	17.5	18.7	19.2	20.1	20.2	21.0	22.2
4H	17.3	18.0	18.2	19.0	20.2	22.0	22.8	23.0	23.8	25.0
6H	18.9	19.6	19.8	20.5	21.8	25.0	25.7	26.0	26.7	27.9
8H	19.7	20.3	20.7	21.3	22.6	26.5	27.2	27.5	28.2	29.4
12H	20.5	21.1	21.5	22.1	23.4	28.2	28.8	29.1	29.8	31.1
8H 4H	19.0	19.6	20.0	20.6	21.9	22.4	23.1	23.4	24.1	25.4
6H	20.8	21.4	21.8	22.4	23.7	25.7	26.2	26.7	27.2	28.5
8H	21.8	22.2	22.8	23.3	24.6	27.4	27.9	28.4	28.9	30.3
12H	22.7	23.1	23.7	24.2	25.5	29.3	29.8	30.4	30.8	32.2
12H 4H	19.7	20.3	20.7	21.3	22.6	22.5	23.1	23.4	24.1	25.4
6H	21.7	22.2	22.7	23.2	24.6	25.8	26.3	26.8	27.3	28.6
8H	22.8	23.2	23.8	24.2	25.6	27.7	28.1	28.7	29.1	30.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 2642 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.4)
 Area: 0.13725 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

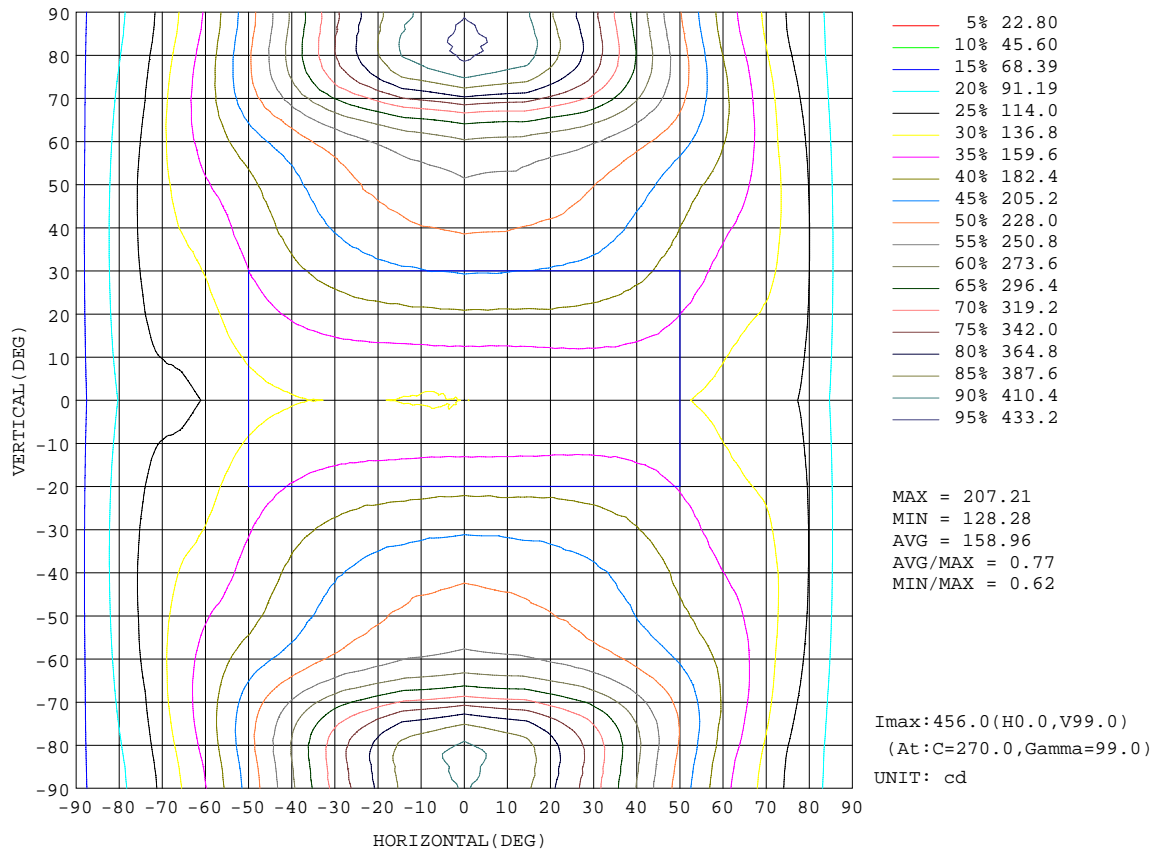
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	36	23	16	34	22	15	30	20	14	7
0.80	44	30	22	41	29	21	37	26	19	9
1.00	51	37	28	48	35	26	42	33	24	12
1.25	58	44	34	54	41	32	47	36	29	15
1.50	63	49	39	59	46	37	50	40	33	17
2.00	71	58	48	66	54	45	56	46	39	21
2.50	76	64	54	70	59	51	60	51	44	24
3.00	80	69	60	74	64	56	62	55	48	27
4.00	85	75	67	79	70	63	66	60	54	30
5.00	89	80	73	82	74	68	69	63	58	33
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: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:



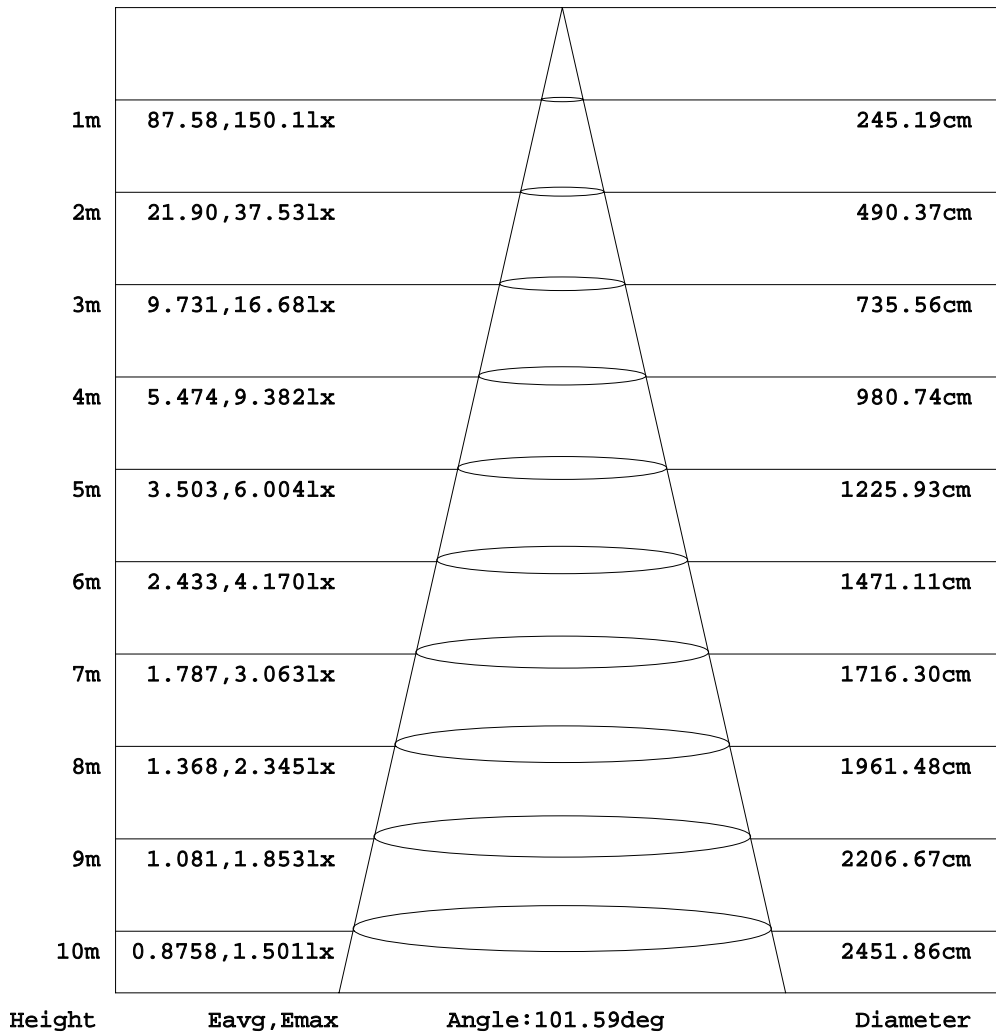
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

AAI Figure

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

Flux out:419.6 lm



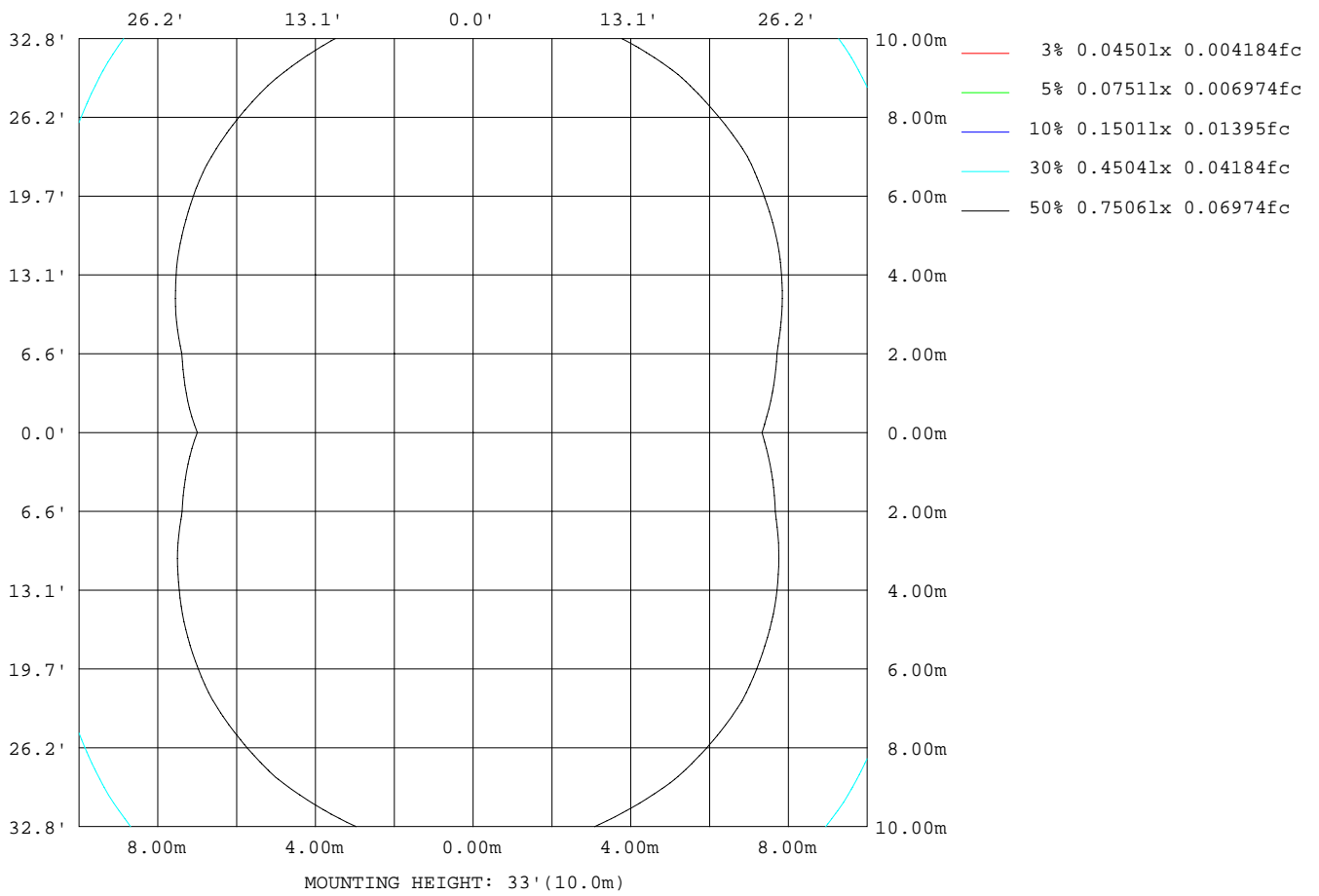
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance:2.500m [K=1.0390]
 Remarks:

ISOLUX DIAGRAM

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

LED Avg.L Report

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

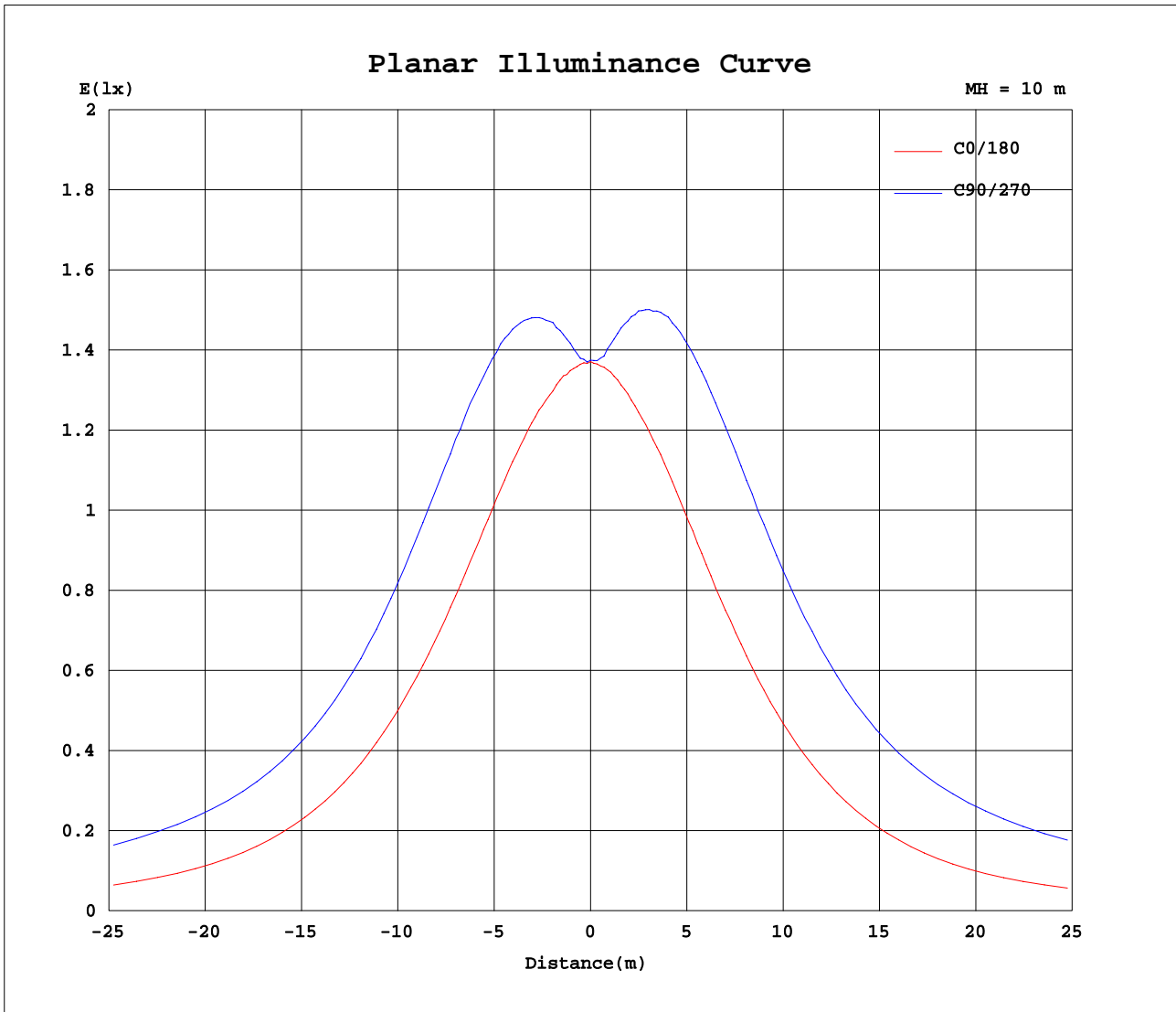
AvgL	cd/m2
L_0~180(65)av	2015
L_0~180(75)av	3114
L_0~180(85)av	6965
L_90~270(65)av	5081
L_90~270(75)av	11245
L_90~270(85)av	35687
L_45(65)av	3692
L_45(75)av	6940
L_45(85)av	21204

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	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	137	137	137	137	137	137	137	137	138	138	137	137	137	137	137	137	137	137	137
5	137	137	138	139	140	142	142	142	141	139	137	137	137	137	137	139	140	142	142
10	138	138	142	146	150	152	152	151	149	146	141	137	136	137	141	146	150	153	153
15	139	140	147	154	160	163	164	163	159	153	146	139	136	139	146	155	160	165	166
20	140	144	154	163	170	175	177	175	169	162	152	142	137	142	153	163	172	178	180
25	141	148	161	172	181	188	190	187	180	170	157	145	137	145	159	172	183	191	194
30	142	152	167	182	192	200	202	199	190	178	163	147	137	147	164	181	194	203	207
35	143	154	173	190	202	210	214	210	200	185	168	149	136	149	169	189	204	215	220
40	143	157	177	197	211	221	224	219	208	192	171	150	135	150	173	196	213	225	232
45	141	158	181	202	218	227	231	226	214	196	173	149	132	150	175	200	220	234	240
50	139	157	182	206	223	234	237	232	219	199	174	147	128	148	176	203	225	241	248
55	135	155	182	207	228	240	245	238	223	200	173	144	122	145	175	204	229	248	257
60	129	151	181	209	233	251	258	248	229	202	170	139	115	139	172	205	236	259	272
65	124	149	180	215	249	275	286	272	243	206	169	135	109	135	170	210	251	286	304
70	122	148	183	227	277	318	334	315	273	219	172	135	108	134	173	222	282	336	360
75	118	146	187	244	312	366	387	364	308	238	176	132	103	132	177	244	321	385	412
80	107	138	186	254	332	391	413	390	330	249	176	124	92.1	124	177	255	340	410	437
85	89.9	123	176	251	333	394	416	392	330	246	168	111	76.7	113	170	252	342	410	438
90	74.7	111	166	244	329	389	412	389	326	241	159	99.2	62.2	100	162	247	338	404	433
95	84.0	119	176	256	342	408	430	405	340	251	168	108	70.5	109	170	257	349	420	448
100	93.8	122	177	257	347	413	438	412	343	253	170	113	82.0	113	173	259	354	426	454
105	99.4	119	173	247	331	397	420	395	326	240	163	109	87.2	110	166	247	339	409	438
110	109	119	168	230	302	358	380	355	295	222	156	107	93.4	107	157	225	304	368	392
115	119	121	164	214	269	311	328	308	261	205	153	109	103	110	153	205	263	311	333
120	129	132	161	203	243	274	286	271	237	194	151	118	113	119	151	193	236	270	285
125	137	140	158	194	227	251	259	247	220	186	149	128	123	126	148	185	220	246	258
130	143	144	153	185	214	233	240	230	208	179	145	133	131	131	145	177	207	230	240
135	147	148	157	176	200	217	223	215	196	169	149	137	136	136	149	169	194	214	223
140	150	147	159	165	185	201	205	199	181	160	152	137	140	138	153	159	181	198	205
145	150	145	158	165	171	184	188	182	168	160	152	136	142	139	148	161	168	182	187
150	151	143	156	165	169	171	171	169	166	161	151	134	143	137	145	161	167	171	173
155	150	140	152	161	167	169	169	167	164	158	148	132	144	135	143	152	165	169	172
160	144	136	148	156	161	164	164	163	160	154	144	125	139	133	137	148	157	164	167
165	127	130	140	151	155	157	158	156	153	143	127	109	119	120	117	131	146	154	159
170	108	111	124	138	147	150	150	149	129	113	93.3	94.5	96.8	97.3	96.7	99.8	116	131	147
175	103	101	107	123	122	125	117	104	95.6	94.5	94.0	98.0	93.2	93.0	96.1	91.0	93.2	95.2	104
180	114	111	105	103	77.8	94.5	90.5	63.9	93.0	100	109	111	112	112	110	106	101	94.8	62.3

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.1152A P:28.630W PF:0.8971 Freq:60.00Hz Lamp Flux:2642.48x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	137	138	138	137	137														
5	141	140	139	138	137														
10	152	150	146	141	138														
15	165	161	155	147	140														
20	178	173	165	155	144														
25	192	185	175	162	148														
30	205	197	185	169	152														
35	217	208	194	175	155														
40	228	218	202	181	158														
45	237	226	209	185	159														
50	244	232	212	187	159														
55	252	238	215	187	157														
60	265	247	218	186	154														
65	294	266	226	186	150														
70	344	299	241	189	150														
75	393	335	260	194	148														
80	416	354	269	193	140														
85	417	353	265	184	126														
90	411	348	258	173	112														
95	426	361	268	182	120														
100	432	362	267	183	124														
105	413	345	255	177	121														
110	370	311	235	171	121														
115	316	272	218	166	125														
120	274	245	204	163	135														
125	250	228	195	160	142														
130	234	214	187	156	147														
135	218	201	177	161	150														
140	201	186	167	163	149														
145	184	173	169	162	148														
150	174	172	168	160	146														
155	173	170	166	158	144														
160	168	166	161	155	144														
165	160	159	157	152	137														
170	151	151	149	139	122														
175	121	123	118	116	102														
180	63.0	64.9	96.4	103	107														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.5%
 Test Distance: 2.500m [K=1.0390]
 Remarks: