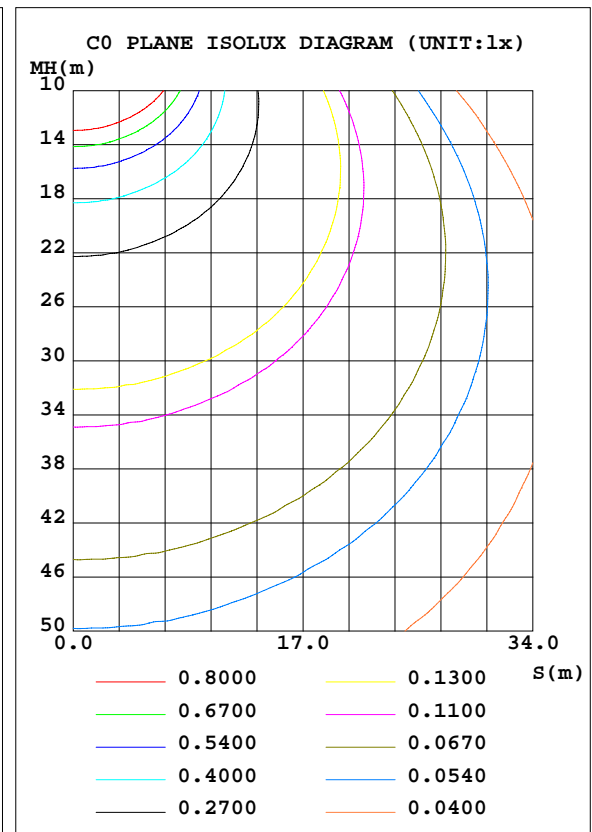
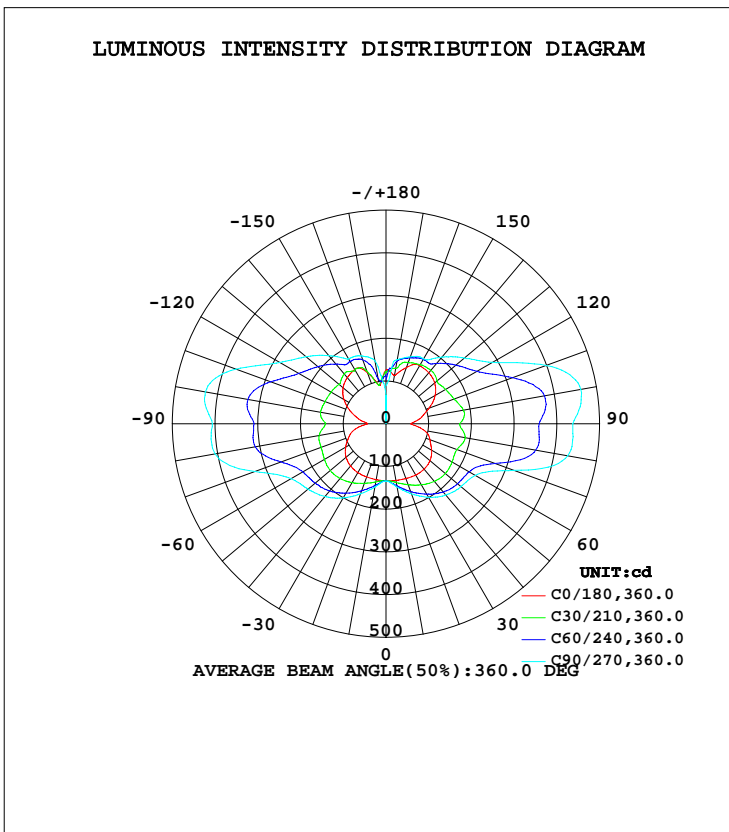


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.00V I:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.56 lm/W			
MODEL	ASD-LWS27-MV-48D36CC-BK	I _{max} (cd)	463.6	S/MH(C0/180)	1.50
NOMINAL POWER(W)	36	LOR(%)	100.0	S/MH(C90/270)	2.30
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	2595.2	η UP, DN(C0-180)	25.5,25.0
NOMINAL FLUX(lm)	2595.17	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	24.7,24.7
LAMPS INSIDE	1	η up(%)	50.3	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	277	η down(%)	49.7	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	135.0	144.6	150.3	143.1	133.0	143.2	149.9	143.6	0- 10	13.23	13.23	0.51,0.51
20	136.8	161.2	174.7	157.7	132.7	158.8	174.8	160.9	10- 20	42.71	55.95	2.16,2.16
30	138.8	179.6	198.6	173.1	132.1	175.0	200.7	179.4	20- 30	76.71	132.7	5.11,5.11
40	138.6	195.4	217.8	185.5	129.2	188.4	222.3	196.0	30- 40	112.9	245.6	9.46,9.46
50	134.5	203.4	229.1	191.2	122.0	195.8	238.1	206.6	40- 50	146.6	392.2	15.1,15.1
60	123.5	204.8	241.6	190.0	109.0	197.6	257.3	211.3	50- 60	173.0	565.1	21.8,21.8
70	109.3	222.4	319.7	202.4	93.15	209.5	326.8	225.6	60- 70	200.5	765.6	29.5,29.5
80	91.08	271.1	431.9	245.6	73.29	230.9	406.2	257.2	70- 80	252.7	1018	39.2,39.2
90	58.41	266.3	437.4	245.2	43.39	223.4	406.4	250.0	80- 90	272.8	1291	49.7,49.7
100	83.44	279.7	463.0	261.6	65.04	238.6	429.6	265.5	90-100	279.0	1570	60.5,60.5
110	107.0	238.9	398.8	230.3	89.75	214.6	373.9	238.9	100-110	267.4	1837	70.8,70.8
120	132.5	204.7	288.0	195.7	113.6	191.4	287.1	213.1	110-120	215.5	2053	79.1,79.1
130	149.0	185.4	239.9	177.2	131.2	176.6	244.3	195.0	120-130	173.3	2226	85.8,85.8
140	156.0	169.7	204.2	162.5	141.1	159.5	208.2	173.8	130-140	138.9	2365	91.1,91.1
150	157.4	168.8	176.0	162.5	146.4	161.9	175.5	172.7	140-150	104.8	2470	95.2,95.2
160	140.2	159.7	166.9	154.8	127.3	148.7	169.1	166.0	150-160	73.78	2544	98,98
170	115.0	141.4	152.5	107.9	90.92	97.35	149.8	150.4	160-170	40.19	2584	99.6,99.6
180	126.1	117.8	88.40	118.4	125.4	119.7	67.18	113.4	170-180	11.32	2595	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 315.06 lm

%lum = 12.1%

%lamp = 12.1%

Conical surface Flux(120deg): 565.15 lm

%lum = 21.8%

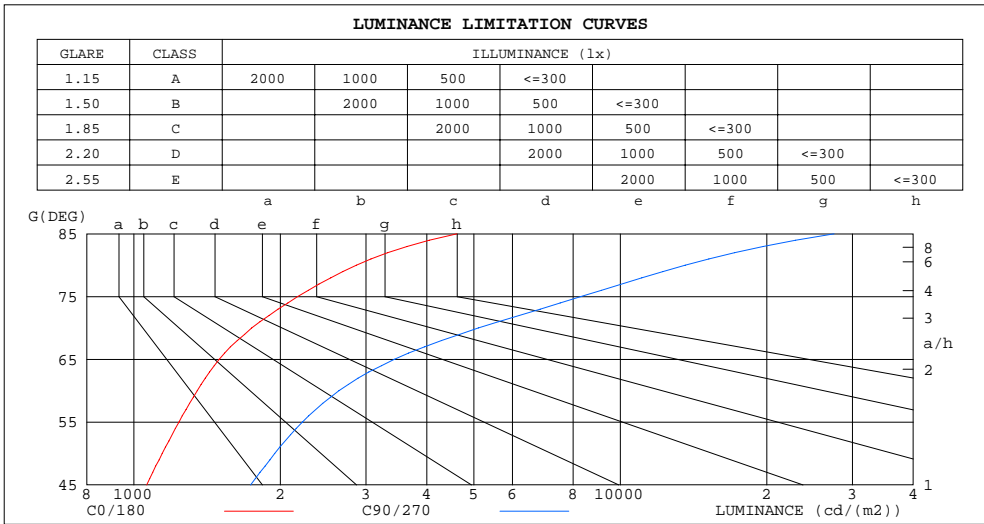
%lamp = 21.8%

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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 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	4614	27490
80	2866	13593
75	2170	8297
70	1746	5108
65	1498	3431
60	1350	2640
55	1238	2221
50	1144	1947
45	1062	1737

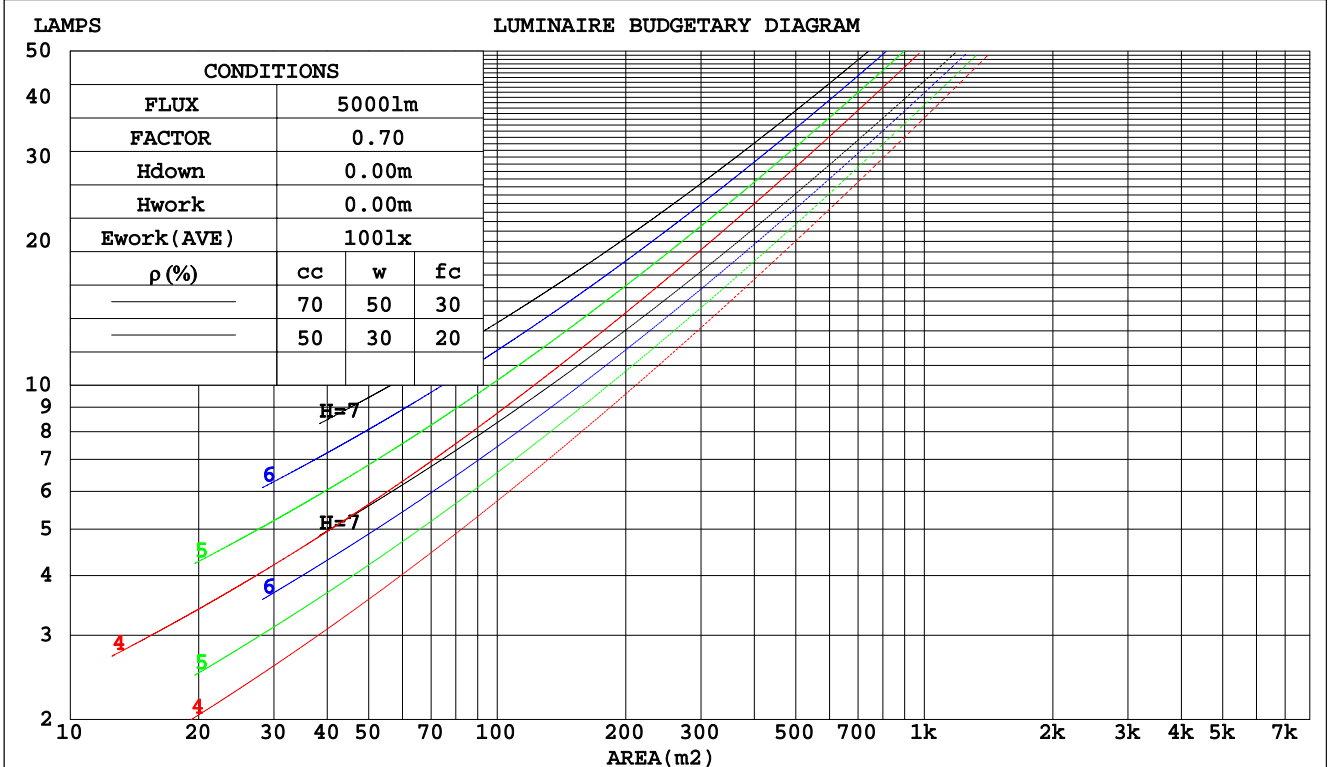
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 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	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.86	.80	.75	.79	.74	.69	.65	.61	.58	.53	.50	.47	.41	.39	.37	.31
2.0	.73	.64	.57	.66	.59	.53	.54	.49	.44	.44	.39	.36	.34	.30	.28	.23
3.0	.62	.53	.46	.57	.49	.42	.47	.40	.35	.37	.32	.28	.28	.25	.22	.17
4.0	.54	.45	.38	.50	.41	.35	.41	.34	.29	.32	.27	.23	.25	.21	.17	.14
5.0	.48	.38	.31	.44	.35	.29	.36	.29	.24	.29	.23	.19	.22	.18	.15	.11
6.0	.42	.33	.27	.39	.31	.25	.32	.25	.20	.26	.20	.16	.20	.15	.12	.09
7.0	.38	.29	.23	.35	.27	.21	.29	.22	.18	.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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 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	.421	.239	.076	.398	.227	.072	.356	.204	.065	.317	.183	.059	.281	.163	.053	
2.0	.347	.190	.058	.327	.180	.055	.288	.160	.050	.253	.142	.044	.220	.124	.039	
3.0	.301	.160	.048	.282	.151	.046	.247	.134	.041	.214	.117	.036	.184	.102	.032	
4.0	.267	.139	.041	.250	.131	.039	.218	.115	.034	.188	.101	.030	.160	.087	.026	
5.0	.241	.123	.036	.225	.115	.034	.195	.102	.030	.167	.088	.026	.141	.076	.023	
6.0	.219	.110	.031	.204	.103	.030	.177	.091	.026	.151	.079	.023	.127	.067	.020	
7.0	.201	.099	.028	.188	.093	.027	.162	.082	.024	.138	.071	.021	.116	.060	.018	
8.0	.186	.091	.026	.173	.085	.024	.150	.075	.021	.127	.065	.019	.106	.055	.016	
9.0	.172	.083	.023	.161	.078	.022	.139	.069	.019	.118	.059	.017	.099	.050	.014	
10.0	.161	.077	.021	.150	.073	.020	.130	.064	.018	.110	.055	.016	.092	.046	.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	.573	.573	.573	.490	.490	.490	.334	.334	.334	.192	.192	.192	.061	.061	.061	
1.0	.574	.541	.512	.491	.464	.440	.336	.320	.305	.193	.185	.177	.062	.060	.057	
2.0	.568	.520	.480	.487	.448	.415	.334	.310	.289	.192	.180	.170	.062	.058	.055	
3.0	.561	.505	.461	.481	.436	.399	.330	.303	.280	.191	.177	.165	.061	.057	.054	
4.0	.554	.494	.448	.475	.427	.389	.327	.297	.274	.189	.174	.162	.061	.057	.053	
5.0	.546	.485	.439	.469	.419	.382	.323	.293	.270	.187	.172	.160	.060	.056	.053	
6.0	.539	.478	.433	.463	.414	.377	.320	.289	.267	.185	.170	.159	.060	.056	.052	
7.0	.532	.471	.429	.458	.409	.374	.316	.286	.265	.184	.169	.158	.059	.055	.052	
8.0	.526	.466	.425	.453	.404	.371	.313	.284	.263	.182	.168	.157	.059	.055	.052	
9.0	.520	.462	.423	.448	.401	.369	.310	.282	.262	.181	.166	.156	.059	.055	.052	
10.0	.514	.458	.421	.443	.398	.367	.307	.280	.261	.179	.165	.156	.058	.054	.052	

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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 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	10.1	11.1	10.9	12.0	13.2	12.8	13.8	13.6	14.7	15.9
3H	12.5	13.5	13.4	14.4	15.6	17.1	18.1	18.0	19.0	20.2
4H	13.9	14.8	14.8	15.8	17.0	20.0	20.9	20.9	21.8	23.0
6H	15.3	16.2	16.2	17.1	18.4	23.0	23.8	23.9	24.8	26.0
8H	16.0	16.9	16.9	17.8	19.1	24.4	25.3	25.4	26.2	27.5
12H	16.7	17.5	17.7	18.5	19.8	26.0	26.8	26.9	27.8	29.0
4H 2H	11.8	12.7	12.7	13.6	14.8	13.5	14.4	14.4	15.4	16.6
3H	14.5	15.3	15.4	16.2	17.5	18.1	18.9	19.0	19.8	21.1
4H	16.0	16.7	16.9	17.7	19.0	21.1	21.8	22.0	22.8	24.1
6H	17.5	18.2	18.5	19.2	20.5	24.3	24.9	25.2	25.9	27.2
8H	18.2	18.9	19.2	19.9	21.2	25.8	26.5	26.8	27.5	28.8
12H	19.0	19.6	20.0	20.6	21.9	27.5	28.1	28.5	29.1	30.4
8H 4H	18.0	18.6	18.9	19.6	20.9	21.5	22.2	22.5	23.2	24.5
6H	19.7	20.3	20.7	21.3	22.6	25.0	25.5	26.0	26.5	27.9
8H	20.6	21.1	21.6	22.1	23.5	26.8	27.3	27.8	28.3	29.7
12H	21.5	21.9	22.5	22.9	24.3	28.8	29.2	29.8	30.2	31.6
12H 4H	18.8	19.4	19.8	20.4	21.7	21.6	22.2	22.6	23.2	24.5
6H	20.8	21.3	21.8	22.3	23.6	25.1	25.6	26.1	26.6	28.0
8H	21.8	22.2	22.8	23.3	24.6	27.0	27.5	28.1	28.5	29.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.3 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 2595 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.3)
 Area: 0.183 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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

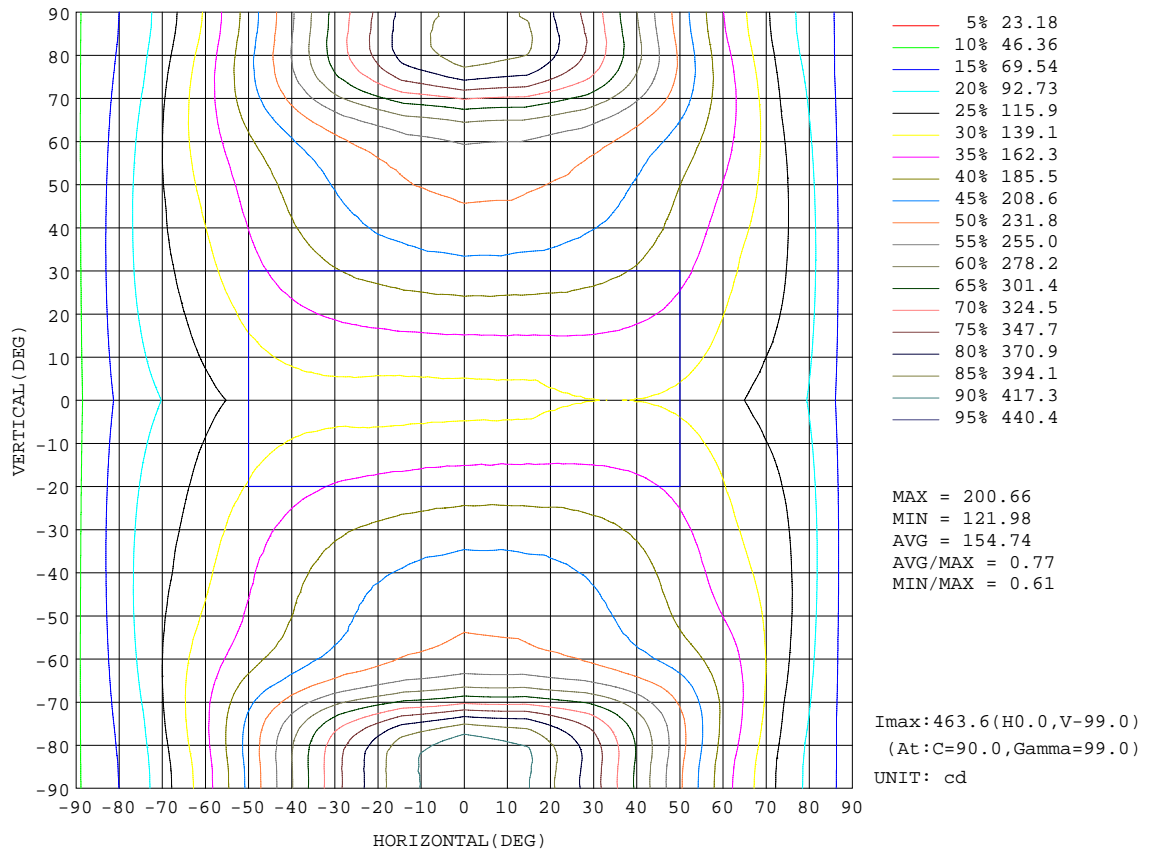
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	36	23	16	34	22	15	30	20	14	7
0.80	44	30	22	41	29	21	36	26	19	9
1.00	51	37	28	48	35	26	41	33	24	12
1.25	58	43	34	54	41	32	46	36	28	15
1.50	63	49	39	58	46	37	50	40	32	17
2.00	71	58	48	65	54	45	56	46	39	21
2.50	76	64	54	70	59	51	59	51	44	24
3.00	80	69	59	74	64	55	62	54	48	26
4.00	85	75	67	78	70	62	66	59	54	30
5.00	89	80	73	82	74	67	69	63	58	32
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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:



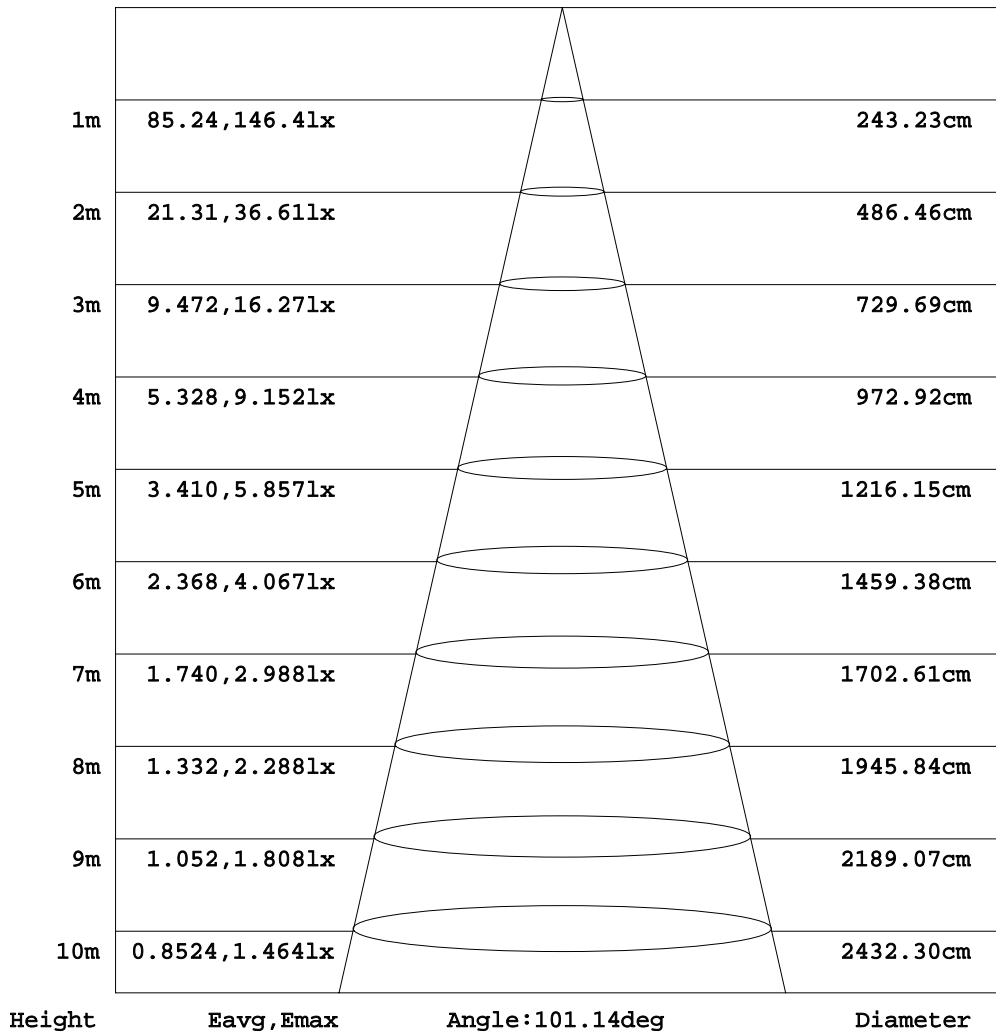
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 08 May 2023

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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

Flux out:408.4 lm



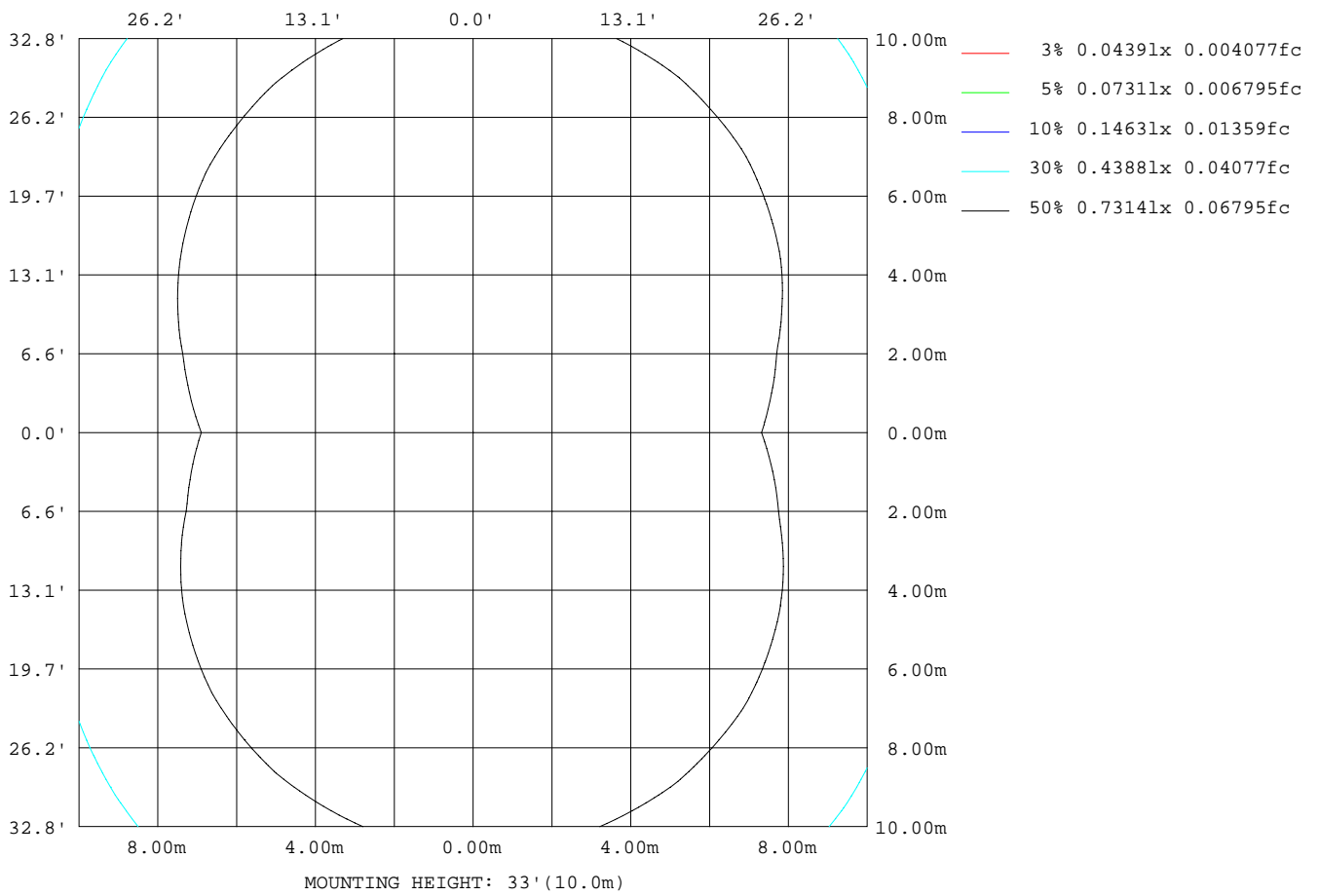
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:

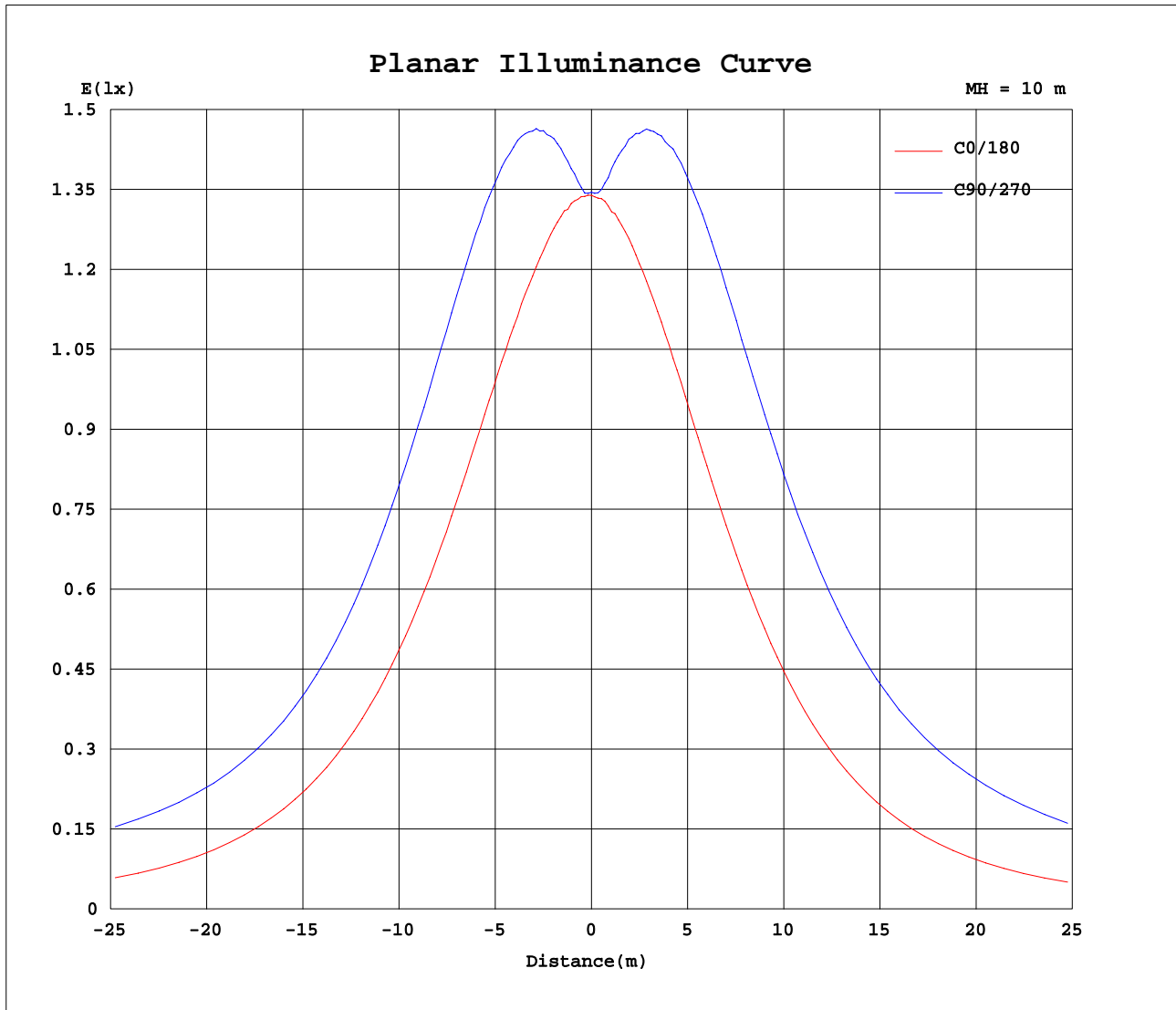
AvgL	cd/m2
L_0~180(65)av	1401
L_0~180(75)av	1981
L_0~180(85)av	4117
L_90~270(65)av	3536
L_90~270(75)av	8145
L_90~270(85)av	26630
L_45(65)av	2637
L_45(75)av	4980
L_45(85)av	15707

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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 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	134	134	134	134	134	134	134	135	135	134	135	134	134	134	134	134	134	134	134
5	134	134	135	137	139	139	140	139	138	136	135	134	133	134	134	137	138	138	139
10	135	136	140	145	147	149	150	149	146	143	139	134	133	134	138	143	147	149	150
15	135	138	146	153	158	162	162	160	156	150	143	135	133	136	143	151	157	161	162
20	137	142	152	161	169	173	175	172	166	158	148	137	133	139	149	159	167	173	175
25	138	146	159	171	180	186	187	184	176	166	154	140	133	141	154	167	178	185	188
30	139	149	165	180	190	197	199	195	186	173	158	142	132	143	159	175	187	197	201
35	139	153	171	188	200	207	209	205	195	180	163	143	131	145	164	182	197	208	212
40	139	155	176	195	209	217	218	213	202	186	165	144	129	145	167	188	205	217	222
45	137	156	180	200	215	223	225	219	206	189	167	143	126	145	170	193	212	225	231
50	135	156	182	203	219	227	229	223	210	191	167	141	122	143	170	196	216	231	238
55	130	153	181	205	221	231	233	226	211	191	166	137	116	140	169	197	220	237	245
60	123	149	178	205	225	238	242	232	214	190	163	132	109	135	167	198	225	247	257
65	116	144	176	208	238	259	265	251	224	192	159	125	101	129	163	201	238	268	282
70	109	140	177	222	272	310	320	297	252	202	157	120	93.2	123	162	210	262	306	327
75	103	136	184	252	326	378	393	363	301	225	161	115	84.9	116	162	223	292	350	379
80	91.1	129	188	271	356	414	432	402	334	246	164	106	73.3	107	159	231	311	375	406
85	73.6	115	180	270	360	420	438	408	341	248	159	93.9	57.7	94.3	150	227	312	379	411
90	58.4	103	172	266	359	418	437	408	340	245	152	82.9	43.4	82.6	142	223	309	375	406
95	69.9	113	183	279	374	436	456	426	357	259	162	92.2	51.8	91.1	151	234	323	391	422
100	83.4	116	184	280	377	442	463	433	360	262	166	97.7	65.0	97.2	156	239	328	398	430
105	94.1	115	177	262	356	423	445	417	346	250	163	99.6	76.5	99.6	154	230	315	383	413
110	107	117	170	239	316	378	399	375	312	230	157	102	89.7	103	152	215	288	346	374
115	121	123	165	218	275	321	339	319	270	209	153	108	102	107	150	201	258	303	325
120	132	134	161	205	246	277	288	274	240	196	150	118	114	116	149	191	236	271	287
125	142	142	157	195	228	252	260	249	222	186	146	127	123	123	146	184	221	249	263
130	149	148	156	185	214	233	240	230	208	177	146	132	131	125	144	177	208	232	244
135	153	150	162	175	199	216	222	213	194	168	152	134	137	135	148	169	196	216	227
140	156	152	163	170	185	199	204	197	180	163	154	137	141	137	152	159	182	199	208
145	157	151	163	172	174	182	185	180	169	164	154	137	144	139	149	161	169	183	191
150	157	149	160	169	175	177	176	174	170	163	153	136	146	137	145	162	169	172	175
155	153	147	157	165	170	174	174	172	166	159	150	132	144	135	145	154	167	171	174
160	140	139	153	160	165	167	167	165	160	155	139	113	127	121	131	149	159	166	169
165	127	135	147	154	158	160	160	158	153	135	115	97.9	108	109	105	121	144	156	162
170	115	121	131	141	149	152	152	146	119	108	95.9	91.9	90.9	91.1	91.6	97.4	107	128	150
175	122	121	123	133	129	129	116	102	100	106	105	109	106	106	108	102	101	95.3	105
180	126	125	119	118	103	74.3	88.4	80.4	110	118	125	127	125	125	123	120	115	110	67.2

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:0.1515A P:33.460W PF:0.7975 Freq:60.00Hz Lamp Flux:2595.17x1 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	135	135	134	135	134														
5	139	138	137	135	134														
10	149	147	144	140	135														
15	161	157	152	145	138														
20	173	169	161	152	141														
25	186	180	170	158	144														
30	199	191	179	165	148														
35	210	201	188	171	151														
40	220	211	196	176	153														
45	228	219	203	180	155														
50	235	225	207	183	155														
55	242	230	210	183	152														
60	252	236	211	182	148														
65	274	250	216	179	143														
70	315	276	226	179	138														
75	364	314	243	180	134														
80	393	338	257	180	125														
85	397	342	256	172	110														
90	392	336	250	163	97.6														
95	407	350	262	175	109														
100	413	355	265	180	115														
105	396	338	255	177	117														
110	358	308	239	174	120														
115	314	275	224	172	126														
120	280	253	213	170	138														
125	259	237	204	167	146														
130	240	223	195	162	151														
135	224	208	184	167	154														
140	206	193	174	169	154														
145	189	178	175	168	153														
150	177	176	173	166	151														
155	176	174	170	163	149														
160	170	169	166	160	146														
165	163	162	161	157	142														
170	155	155	150	142	129														
175	129	128	126	129	120														
180	78.5	87.7	113	119	122														

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: