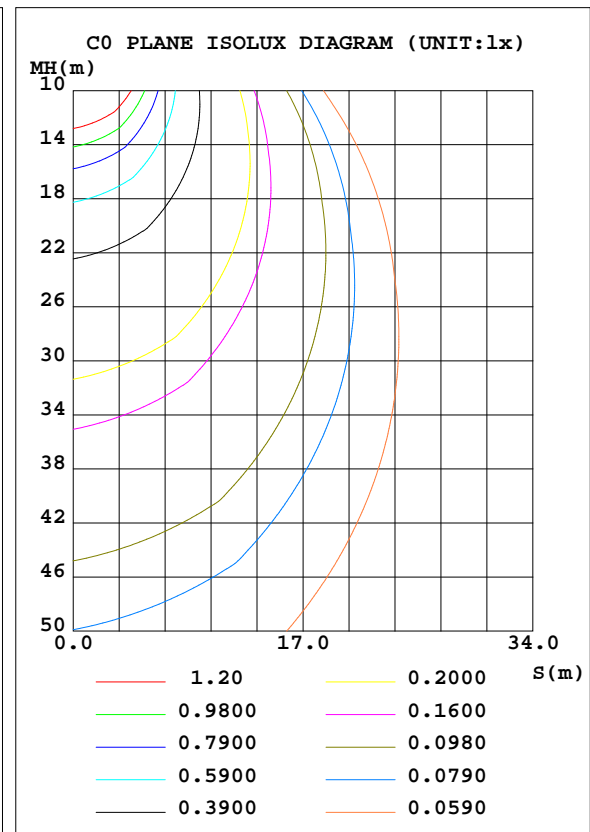
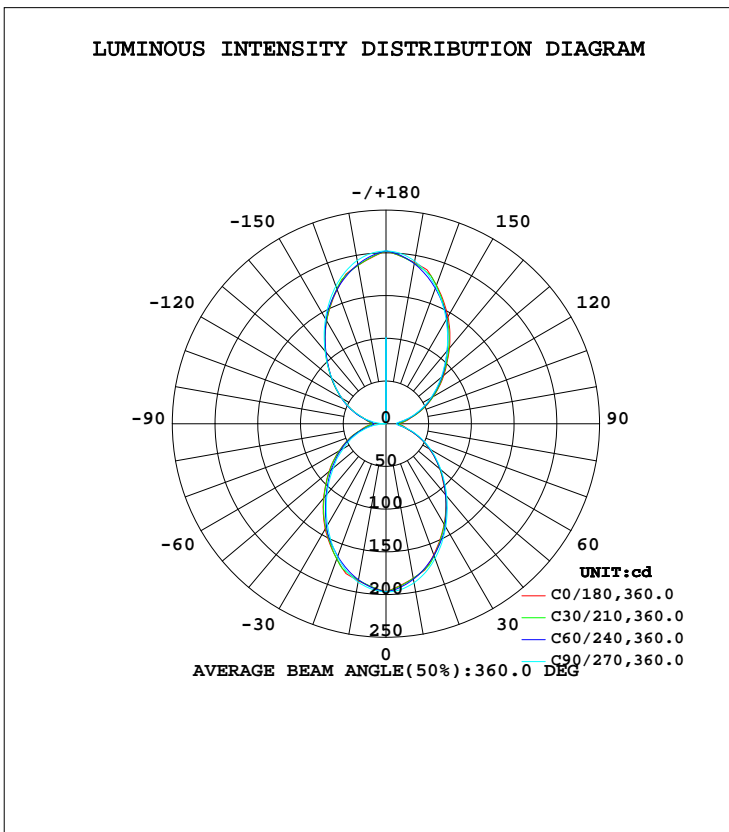


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 33.18 lm/W			
MODEL	ASD-LCLR2-30SM-RGBW-BK	I _{max} (cd)	202.3	S/MH(C0/180)	1.10
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.07
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	912.00	η UP, DN(C0-180)	25.2,24.9
NOMINAL FLUX(lm)	912.005	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	25.2,24.7
LAMPS INSIDE	1	η up(%)	50.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	49.6	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	183.6	184.0	189.0	185.9	186.5	185.4	188.1	183.2	0- 10	18.12	18.12	1.99,1.99
20	163.3	165.7	167.8	168.8	168.4	168.4	166.0	163.9	10- 20	49.75	67.87	7.44,7.44
30	136.0	136.8	139.7	139.8	142.4	139.4	137.0	134.4	20- 30	69.96	137.8	15.1,15.1
40	108.1	109.1	110.6	112.0	113.7	111.6	107.5	106.6	30- 40	77.34	215.2	23.6,23.6
50	82.25	82.59	84.02	85.34	87.24	84.90	80.56	80.56	40- 50	74.22	289.4	31.7,31.7
60	58.33	59.10	60.56	62.12	62.97	61.94	57.36	57.77	50- 60	64.00	353.4	38.7,38.7
70	37.33	37.71	39.14	41.09	42.31	41.51	37.18	37.21	60- 70	49.03	402.4	44.1,44.1
80	22.40	19.36	20.15	22.60	25.91	22.93	18.52	19.10	70- 80	31.38	433.8	47.6,47.6
90	13.54	13.07	12.75	13.11	13.76	14.23	0.0388	13.94	80- 90	18.26	452.1	49.6,49.6
100	25.73	22.11	19.66	19.38	23.14	21.03	17.74	22.59	90-100	18.35	470.4	51.6,51.6
110	42.47	41.22	39.01	37.57	38.21	39.19	38.16	41.20	100-110	31.79	502.2	55.1,55.1
120	63.75	62.70	60.58	58.77	58.95	59.93	59.71	62.17	110-120	49.66	551.9	60.5,60.5
130	88.40	86.25	84.15	82.31	83.32	83.34	82.81	85.99	120-130	64.81	616.7	67.6,67.6
140	115.5	113.3	111.0	109.2	110.0	110.4	111.0	113.9	130-140	75.35	692.0	75.9,75.9
150	145.1	141.8	140.9	137.8	139.0	139.1	141.8	143.1	140-150	78.82	770.8	84.5,84.5
160	172.7	172.1	170.4	168.2	167.2	169.2	171.6	173.5	150-160	71.53	842.4	92.4,92.4
170	191.7	190.4	193.3	188.1	188.3	188.6	194.1	191.0	160-170	51.01	893.4	98,98
180	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3	170-180	18.61	912.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 253.19 lm

%lum = 27.8%

%lamp = 27.8%

Conical surface Flux(120deg): 353.39 lm

%lum = 38.7%

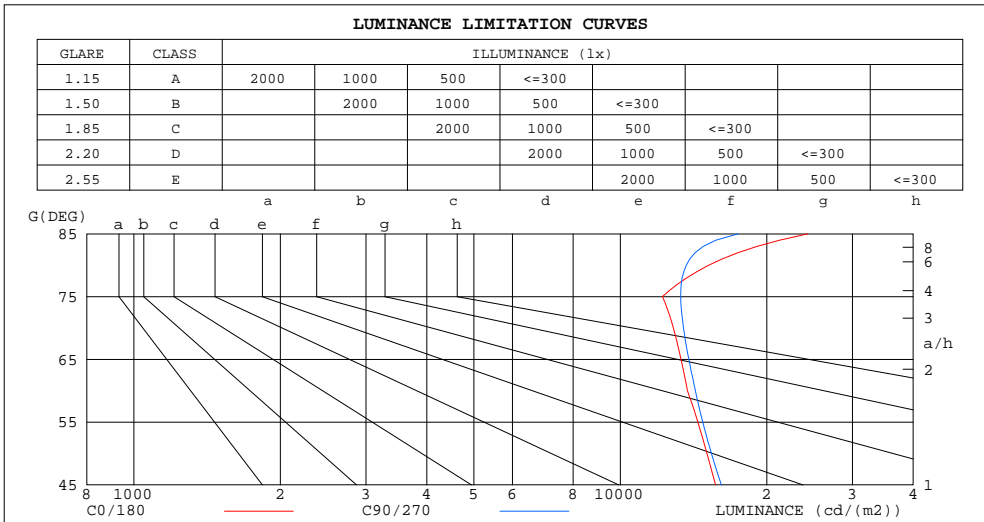
%lamp = 38.7%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	24281	17463
80	15192	13664
75	12208	13310
70	12855	13479
65	13330	13831
60	13740	14265
55	14433	14774
50	15071	15394
45	15692	16134

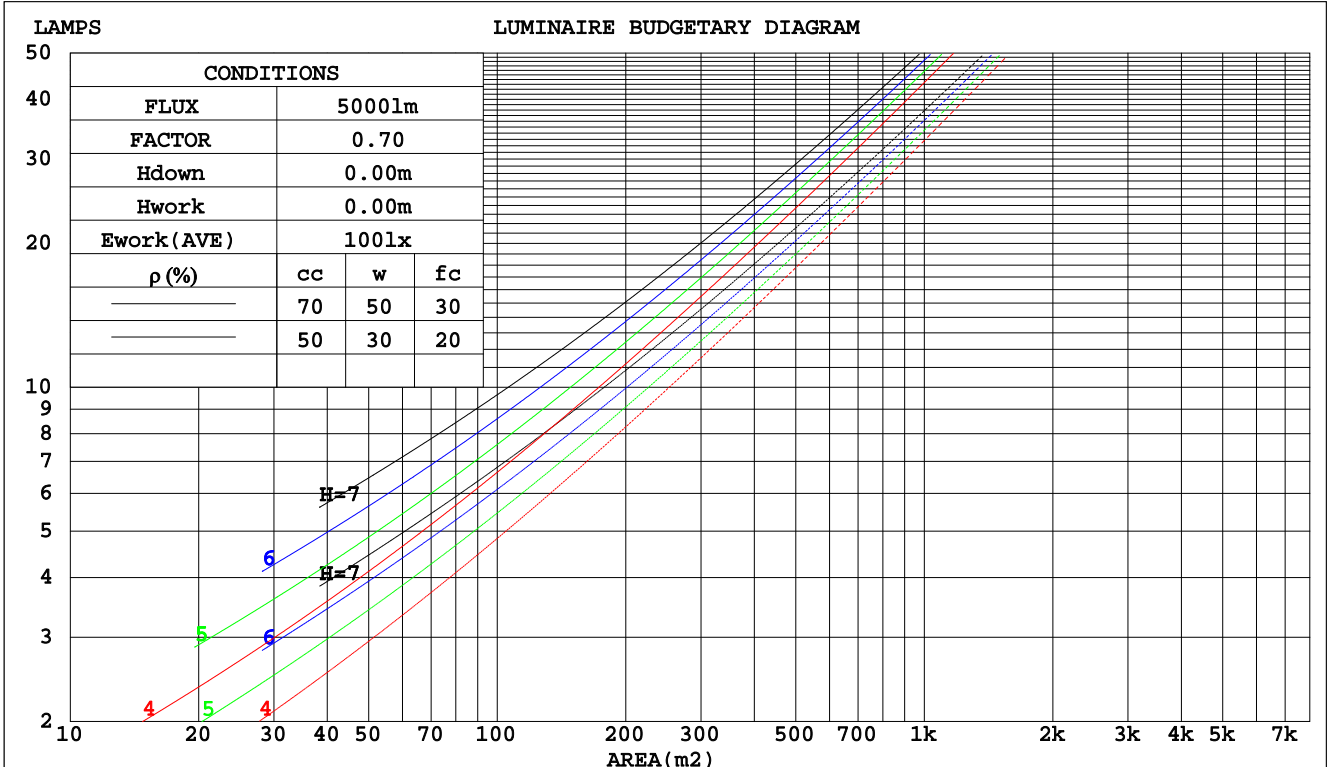
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	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	.93	.89	.85	.86	.82	.79	.72	.70	.67	.60	.58	.57	.49	.47	.46	.41
2.0	.81	.75	.70	.75	.69	.65	.63	.59	.56	.53	.50	.47	.43	.41	.39	.34
3.0	.71	.64	.58	.66	.59	.54	.56	.51	.47	.47	.43	.40	.38	.35	.33	.29
4.0	.63	.55	.49	.59	.52	.46	.50	.44	.40	.42	.38	.34	.34	.31	.29	.25
5.0	.56	.48	.42	.52	.45	.40	.45	.39	.35	.37	.33	.30	.31	.28	.25	.22
6.0	.51	.43	.37	.47	.40	.35	.40	.35	.30	.34	.30	.26	.28	.25	.22	.19
7.0	.46	.38	.32	.43	.36	.30	.37	.31	.27	.31	.27	.23	.26	.22	.20	.17
8.0	.42	.34	.29	.39	.32	.27	.33	.28	.24	.28	.24	.21	.24	.20	.18	.16
9.0	.38	.31	.26	.36	.29	.24	.31	.25	.22	.26	.22	.19	.22	.19	.16	.14
10.0	.35	.28	.23	.33	.26	.22	.28	.23	.19	.24	.20	.17	.20	.17	.15	.13



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	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	.290	.165	.052	.268	.153	.049	.226	.130	.041	.188	.108	.035	.152	.088	.028	
2.0	.265	.145	.045	.245	.135	.042	.207	.115	.036	.172	.096	.030	.139	.079	.025	
3.0	.243	.129	.039	.225	.120	.036	.190	.103	.031	.158	.087	.027	.128	.071	.022	
4.0	.224	.116	.034	.207	.108	.032	.175	.093	.028	.146	.078	.024	.118	.064	.020	
5.0	.207	.106	.031	.192	.098	.029	.162	.085	.025	.135	.071	.021	.109	.059	.018	
6.0	.192	.096	.028	.178	.090	.026	.151	.077	.023	.126	.065	.019	.102	.054	.016	
7.0	.179	.089	.025	.166	.083	.024	.141	.071	.021	.117	.060	.018	.095	.050	.015	
8.0	.168	.082	.023	.155	.077	.022	.132	.066	.019	.110	.056	.016	.089	.046	.013	
9.0	.157	.076	.021	.146	.071	.020	.124	.061	.017	.104	.052	.015	.084	.043	.012	
10.0	.148	.071	.020	.138	.066	.019	.117	.057	.016	.098	.049	.014	.080	.040	.011	

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	.575	.575	.575	.491	.491	.491	.335	.335	.335	.193	.193	.193	.062	.062	.062	
1.0	.566	.544	.523	.485	.467	.450	.331	.321	.312	.191	.186	.181	.061	.060	.059	
2.0	.559	.522	.491	.479	.449	.425	.328	.311	.296	.189	.181	.174	.061	.059	.057	
3.0	.551	.506	.470	.473	.437	.408	.325	.303	.286	.187	.177	.169	.060	.058	.055	
4.0	.544	.494	.456	.467	.427	.396	.321	.298	.279	.186	.174	.165	.060	.057	.054	
5.0	.538	.485	.446	.462	.420	.388	.318	.293	.274	.184	.172	.162	.059	.056	.054	
6.0	.531	.477	.439	.457	.413	.382	.315	.289	.270	.183	.170	.161	.059	.056	.053	
7.0	.525	.471	.433	.452	.408	.378	.312	.286	.268	.181	.169	.159	.059	.055	.053	
8.0	.520	.466	.429	.447	.404	.374	.310	.284	.265	.180	.167	.158	.058	.055	.052	
9.0	.514	.462	.426	.443	.401	.372	.307	.282	.264	.179	.166	.157	.058	.055	.052	
10.0	.509	.458	.423	.439	.398	.370	.305	.280	.263	.178	.165	.157	.058	.054	.052	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	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	18.4	19.4	19.3	20.2	21.3	18.5	19.4	19.3	20.3	21.4
3H	19.8	20.6	20.7	21.5	22.7	19.9	20.8	20.8	21.6	22.8
4H	20.4	21.2	21.3	22.1	23.2	20.5	21.3	21.4	22.2	23.4
6H	21.0	21.7	21.9	22.6	23.8	21.1	21.8	22.0	22.7	23.9
8H	21.4	22.1	22.3	23.0	24.2	21.3	22.0	22.2	22.9	24.1
12H	21.8	22.5	22.8	23.4	24.6	21.5	22.2	22.5	23.1	24.3
4H 2H	18.8	19.6	19.7	20.5	21.7	18.9	19.7	19.8	20.6	21.7
3H	20.4	21.1	21.3	22.0	23.2	20.5	21.1	21.4	22.1	23.3
4H	21.1	21.7	22.0	22.6	23.9	21.2	21.8	22.2	22.8	24.0
6H	21.9	22.4	22.9	23.4	24.6	21.9	22.4	22.9	23.4	24.6
8H	22.4	22.9	23.4	23.8	25.1	22.2	22.7	23.2	23.7	24.9
12H	22.9	23.4	23.9	24.4	25.7	22.5	22.9	23.5	23.9	25.2
8H 4H	21.3	21.8	22.3	22.7	24.0	21.4	21.9	22.4	22.9	24.1
6H	22.3	22.7	23.3	23.7	25.0	22.2	22.6	23.2	23.6	24.9
8H	22.9	23.3	24.0	24.3	25.6	22.6	23.0	23.7	24.0	25.3
12H	23.7	24.0	24.8	25.1	26.4	23.1	23.4	24.2	24.4	25.8
12H 4H	21.3	21.7	22.3	22.7	24.0	21.4	21.8	22.4	22.8	24.1
6H	22.4	22.7	23.4	23.7	25.0	22.3	22.7	23.3	23.7	25.0
8H	23.1	23.4	24.1	24.4	25.8	22.8	23.1	23.8	24.1	25.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				

CIE Pub.117, 912.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.3)
 Area: 0.00849056 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Temperature: 25.0DEG	Humidity: 43.1%
Operators:Alan Wang	Test Distance:2.500m [K=1.0423]
Test Date:29 December 2023	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

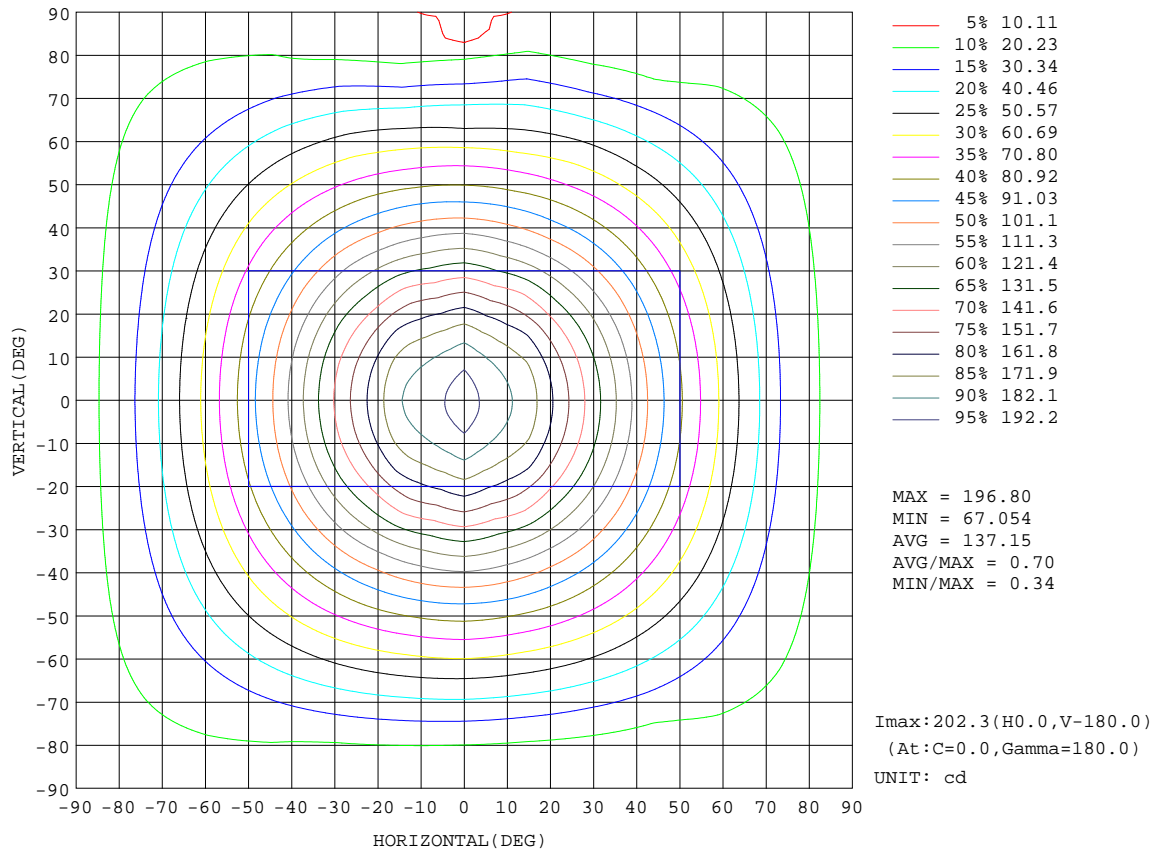
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	45	34	28	42	32	27	38	30	25	17
0.80	54	42	36	51	40	34	45	37	31	21
1.00	61	50	43	58	47	41	50	44	37	25
1.25	68	57	50	64	54	47	55	48	43	29
1.50	73	63	55	68	59	52	59	52	47	31
2.00	80	71	64	74	66	60	64	58	53	35
2.50	84	76	69	78	71	65	67	61	57	37
3.00	88	80	74	81	75	69	69	65	60	38
4.00	92	86	80	85	80	75	72	68	65	41
5.00	95	89	85	88	83	79	74	71	68	42
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: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

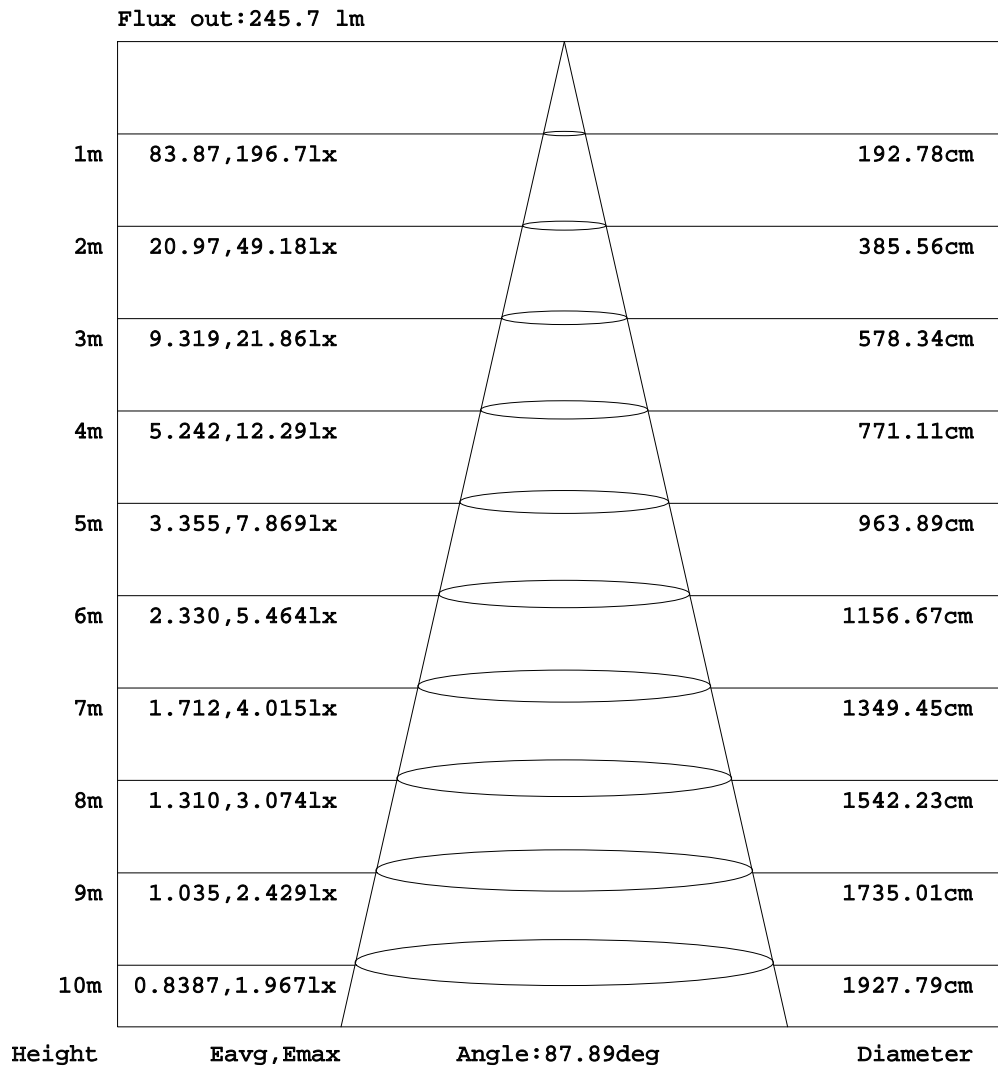


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



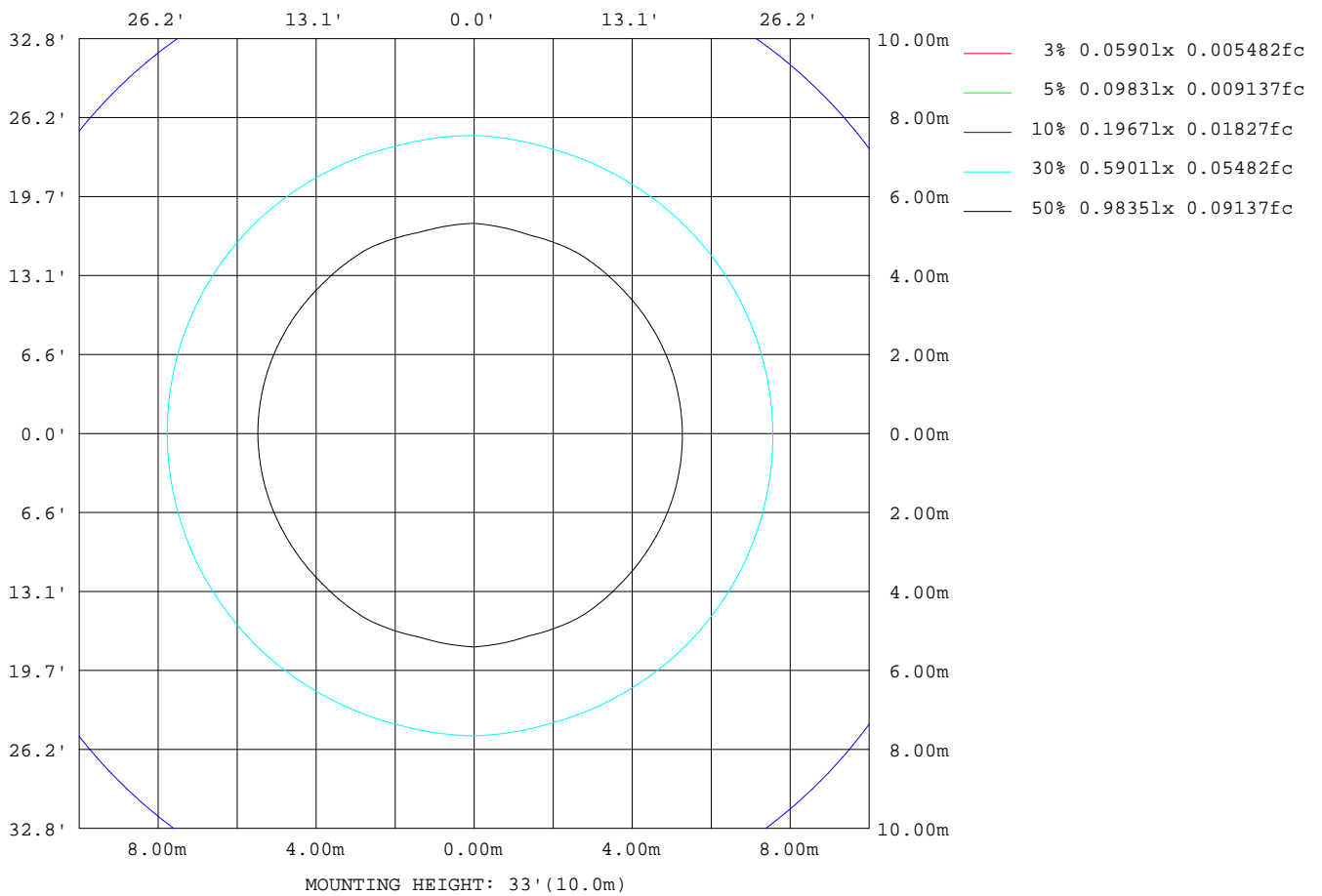
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance:2.500m [K=1.0423]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	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: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

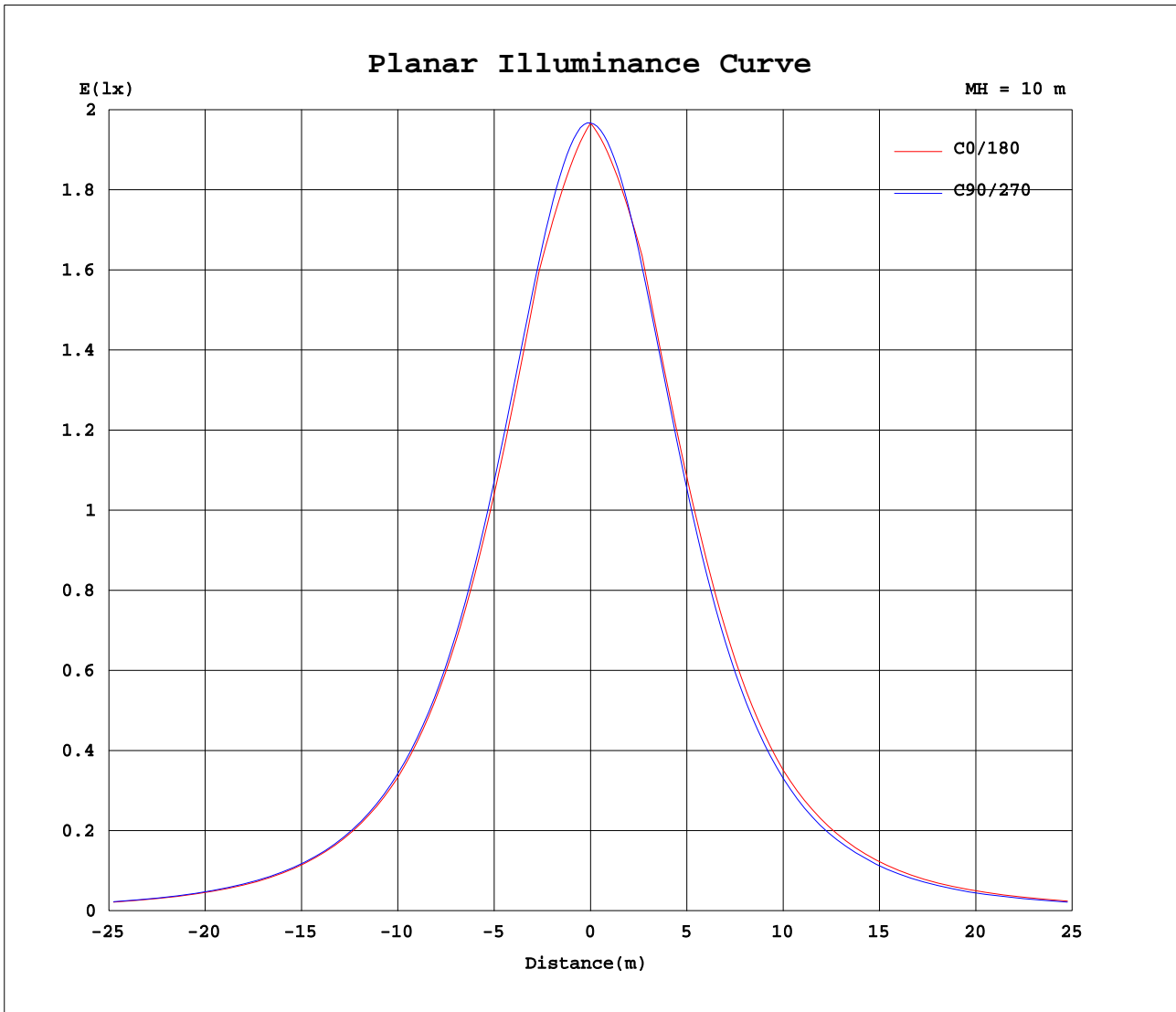
AvgL	cd/m2
L_0~180(65)av	14000
L_0~180(75)av	13382
L_0~180(85)av	25544
L_90~270(65)av	13536
L_90~270(75)av	12894
L_90~270(85)av	14217
L_45(65)av	13803
L_45(75)av	13489
L_45(85)av	23273

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 43.1%
Test Distance: 2.500m [K=1.0423]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	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	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	
5	190	190	191	191	192	193	195	194	193	192	192	192	192	192	192	192	192	192	193	194
10	184	184	184	184	185	186	189	187	186	186	186	187	187	186	186	185	185	185	186	188
15	177	177	176	175	175	176	180	177	177	178	180	181	181	181	179	178	176	176	178	178
20	163	164	165	166	164	164	168	165	166	169	169	168	168	168	169	168	165	164	166	166
25	150	150	151	152	152	151	154	152	154	155	155	155	155	155	155	154	153	150	152	152
30	136	136	137	137	138	137	140	138	140	140	141	142	142	142	141	139	139	136	137	137
35	122	122	123	123	123	123	125	124	125	126	127	128	128	128	127	125	124	122	122	122
40	108	109	109	109	109	109	111	110	110	112	113	113	114	114	113	112	109	108	107	107
45	94.2	94.7	95.3	95.4	95.4	96.3	96.9	97.1	97.2	98.2	99.0	99.3	99.4	99.6	99.1	97.8	95.8	94.7	93.6	93.6
50	82.3	82.4	82.4	82.6	83.0	83.2	84.0	84.1	84.9	85.3	86.0	86.8	87.2	87.1	86.2	84.9	83.5	81.5	80.6	80.6
55	70.3	70.5	70.6	70.6	70.6	70.8	71.9	71.8	72.6	73.5	74.2	74.8	75.1	75.1	74.3	73.1	71.6	70.0	69.4	69.4
60	58.3	58.7	59.0	59.1	59.2	59.4	60.6	60.6	61.3	62.1	62.8	62.9	63.0	63.1	62.9	61.9	61.0	58.6	57.4	57.4
65	47.8	48.0	48.0	48.1	48.4	48.9	49.6	50.1	50.7	51.3	51.9	52.4	52.6	52.5	52.1	51.5	50.6	48.2	47.5	47.5
70	37.3	37.6	37.8	37.7	37.8	38.2	39.1	39.5	40.3	41.1	41.7	42.1	42.3	42.3	41.9	41.5	40.1	37.0	37.2	37.2
75	26.8	27.2	27.6	27.9	28.0	28.5	29.2	29.9	30.6	31.4	31.8	31.9	32.0	32.0	32.0	31.7	30.3	26.9	27.4	27.4
80	22.4	22.2	21.3	19.4	19.2	19.4	20.1	20.9	21.6	22.6	24.5	25.5	25.9	25.7	24.8	22.9	21.0	17.4	18.5	18.5
85	18.0	17.8	17.3	16.1	14.3	13.6	12.9	14.0	15.9	17.8	18.9	19.5	19.8	19.8	19.4	18.5	15.8	14.1	8.12	8.12
90	13.5	13.5	13.3	13.1	12.8	12.8	12.8	12.8	12.9	13.1	13.3	13.5	13.8	14.0	14.1	14.2	14.2	14.0	0.04	0.04
95	19.6	19.4	18.8	17.5	15.3	13.6	12.7	13.5	14.3	16.2	17.3	18.0	18.5	18.6	18.3	17.6	16.0	14.8	7.67	7.67
100	25.7	25.4	24.3	22.1	20.9	20.1	19.7	19.3	19.1	19.4	21.4	22.6	23.1	23.2	22.5	21.0	21.1	21.0	17.7	17.7
105	31.8	31.8	31.7	31.2	30.3	29.5	29.0	28.4	28.0	27.9	27.7	27.7	27.8	28.3	29.0	29.6	29.9	30.0	28.2	28.2
110	42.5	42.4	42.0	41.2	40.2	39.4	39.0	38.2	37.7	37.6	37.7	37.9	38.2	38.6	39.0	39.2	39.4	39.4	38.2	38.2
115	53.1	52.9	52.4	51.7	50.9	50.2	49.6	48.8	48.2	47.8	47.8	48.2	48.6	48.9	49.1	49.3	49.8	49.7	48.6	48.6
120	63.8	63.8	63.5	62.7	61.8	60.8	60.6	59.3	58.9	58.8	58.8	58.8	59.0	59.5	60.0	59.9	60.2	59.8	59.7	59.7
125	76.1	75.8	75.1	74.2	73.2	72.2	72.0	70.7	70.3	70.2	70.4	70.8	71.1	71.5	71.6	71.3	70.9	70.7	70.7	70.7
130	88.4	88.0	87.0	86.2	85.6	84.5	84.1	83.0	82.7	82.3	82.2	82.8	83.3	83.6	83.5	83.3	83.0	82.4	82.8	82.8
135	101	101	100	99.2	98.0	97.8	97.2	96.3	95.2	95.3	95.4	95.3	95.5	96.2	96.6	96.4	95.7	96.0	96.4	96.4
140	116	115	114	113	111	111	111	109	109	109	109	110	110	110	111	110	109	110	111	111
145	130	130	129	127	126	125	126	123	123	123	124	124	124	125	125	124	124	124	126	126
150	145	144	143	142	142	139	141	138	139	138	138	139	139	139	139	139	140	139	142	142
155	159	158	158	157	156	154	156	152	153	153	153	153	153	153	154	154	155	154	157	157
160	173	172	172	172	169	168	170	167	166	168	168	167	167	168	168	169	167	168	172	172
165	186	186	184	182	180	181	183	180	178	179	180	181	181	181	180	179	179	181	184	184
170	192	191	191	190	190	191	193	190	189	188	188	188	188	188	188	189	189	191	194	194
175	197	197	197	197	198	199	200	198	197	196	196	195	195	195	196	196	197	199	200	200
180	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2317A P:27.49W PF:0.9887 Freq:60.00Hz Lamp Flux:912.005x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LCLR2-30SM-RGBW-BK_6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	197	197	197	197	197														
5	193	192	191	190	190														
10	185	184	183	183	183														
15	175	174	174	175	176														
20	162	162	164	163	163														
25	148	149	149	149	149														
30	134	135	134	135	136														
35	120	120	120	121	122														
40	106	106	107	107	108														
45	92.8	92.3	93.1	93.9	94.1														
50	79.8	80.1	80.6	81.2	81.9														
55	68.6	68.4	68.9	69.5	70.0														
60	57.0	58.0	57.8	58.2	58.3														
65	48.4	47.7	47.3	47.4	47.6														
70	38.9	37.6	37.2	37.2	37.2														
75	30.4	28.2	27.5	27.2	26.9														
80	22.0	19.5	19.1	21.1	22.0														
85	14.8	15.0	16.4	17.4	17.8														
90	13.8	13.8	13.9	13.8	13.7														
95	13.9	16.1	18.2	19.1	19.5														
100	19.8	21.6	22.6	24.5	25.5														
105	29.9	30.7	31.4	31.7	31.8														
110	39.6	40.4	41.2	41.9	42.3														
115	50.0	50.8	51.4	52.2	52.9														
120	60.4	61.5	62.2	63.3	63.7														
125	71.3	72.4	73.6	75.1	75.9														
130	83.2	84.7	86.0	87.2	88.2														
135	97.0	97.7	99.4	101	101														
140	111	112	114	115	116														
145	125	127	128	130	130														
150	140	143	143	144	145														
155	155	158	159	159	159														
160	169	170	173	173	173														
165	182	182	183	185	186														
170	192	191	191	191	192														
175	199	198	198	197	197														
180	202	202	202	202	202														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0423]
 Remarks: