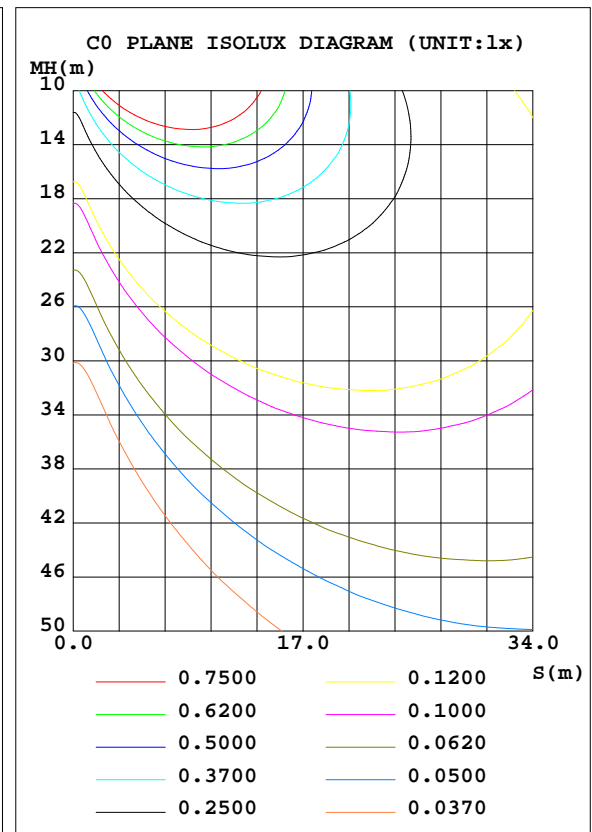
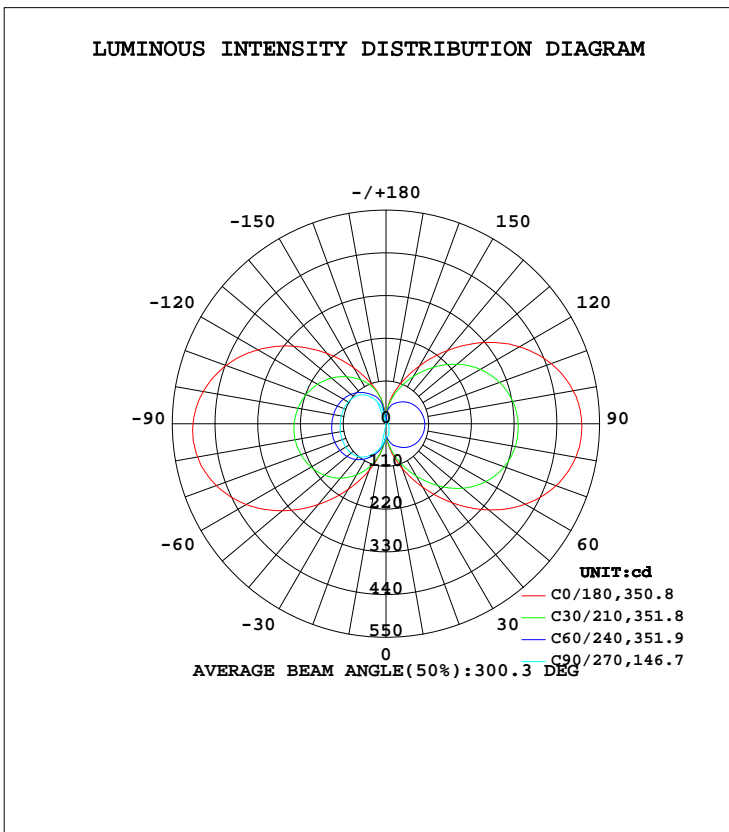


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-LWS27B-48D36BK	Imax(cd)	504.9	S/MH(C0/180)	5.28
NOMINAL POWER(W)	36	LOR(%)	100.0	S/MH(C90/270)	3.13
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	2267.4	η UP, DN(C0-180)	24.4,25.7
NOMINAL FLUX(lm)	2267.45	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	24.1,25.8
LAMPS INSIDE	1	η up(%)	48.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	51.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 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	69.37	54.90	31.91	56.52	72.37	67.22	56.50	65.07	0- 10	4.640	4.640	0.20,0.20
20	122.1	84.45	22.72	86.62	128.1	99.92	77.62	96.53	10- 20	21.49	26.13	1.15,1.15
30	188.1	110.5	15.67	114.0	195.3	126.4	97.12	121.8	20- 30	48.99	75.12	3.31,3.31
40	266.0	133.5	12.36	139.1	271.6	147.9	110.5	142.0	30- 40	86.36	161.5	7.12,7.12
50	344.9	151.2	9.961	159.4	348.4	163.7	117.5	157.8	40- 50	130.1	291.5	12.9,12.9
60	414.2	163.3	8.152	173.4	415.7	174.4	120.1	168.6	50- 60	174.1	465.6	20.5,20.5
70	465.7	171.1	6.814	182.5	464.9	180.5	120.0	175.6	60- 70	212.0	677.7	29.9,29.9
80	496.9	175.5	6.280	187.4	492.4	183.2	119.1	178.8	70- 80	239.0	916.7	40.4,40.4
90	503.8	176.1	6.170	188.0	496.8	182.5	118.0	178.9	80- 90	251.9	1169	51.5,51.5
100	489.4	172.8	6.122	183.9	477.8	178.4	116.7	176.1	90-100	249.0	1418	62.5,62.5
110	452.9	166.2	6.691	175.8	438.5	171.6	115.3	170.1	100-110	231.1	1649	72.7,72.7
120	396.7	156.2	7.779	163.5	381.0	161.7	112.7	161.3	110-120	200.6	1849	81.6,81.6
130	325.5	142.5	9.231	146.6	310.7	148.2	107.3	148.3	120-130	161.1	2010	88.7,88.7
140	246.1	124.0	11.20	125.2	236.5	131.0	97.60	130.3	130-140	117.8	2128	93.9,93.9
150	171.7	101.2	14.15	100.3	166.8	110.3	80.77	107.6	140-150	76.51	2205	97.2,97.2
160	110.0	75.85	21.03	74.06	108.1	88.50	55.53	76.56	150-160	42.52	2247	99.1,99.1
170	60.37	48.10	27.01	45.54	59.56	51.85	18.59	30.55	160-170	17.73	2265	99.9,99.9
180	0	0	25.88	0	0.1176	0.1261	0.1677	0.1775	170-180	2.592	2267	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 220.87 lm

%lum = 9.7%

%lamp = 9.7%

Conical surface Flux(120deg): 465.63 lm

%lum = 20.5%

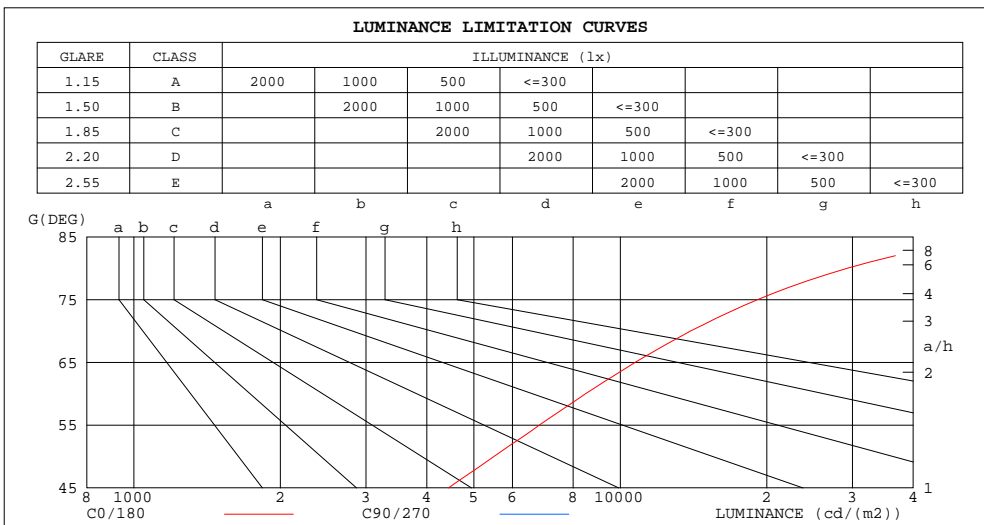
%lamp = 20.5%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	59126	732
80	29316	371
75	19153	252
70	13951	204
65	10731	180
60	8487	167
55	6816	161
50	5498	159
45	4431	161

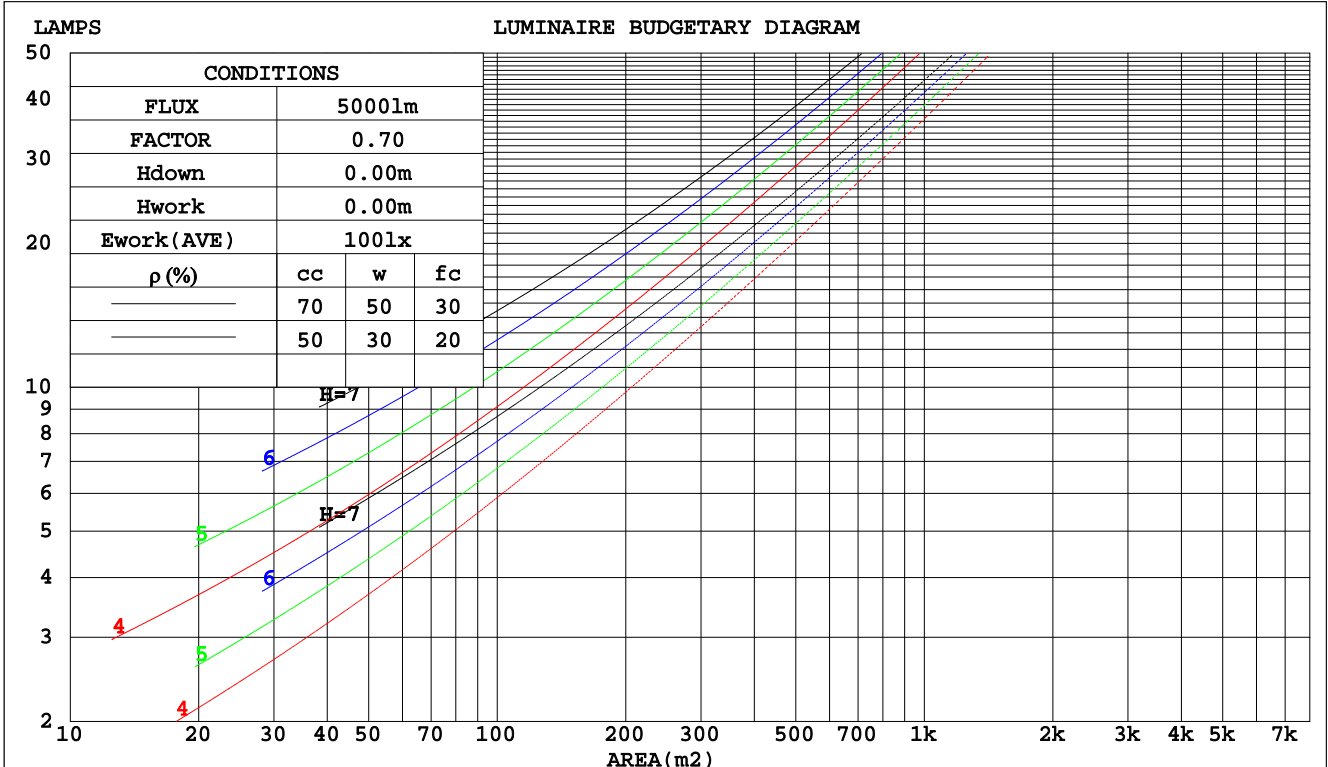
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	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	1.08	1.08	1.08	.99	.99	.99	.84	.84	.84	.70	.70	.70	.58	.58	.58	.52
1.0	.86	.80	.74	.79	.73	.68	.65	.61	.57	.53	.50	.47	.42	.39	.37	.32
2.0	.72	.63	.56	.66	.58	.52	.54	.48	.43	.43	.39	.35	.34	.30	.27	.22
3.0	.61	.52	.44	.56	.47	.41	.46	.39	.34	.37	.31	.27	.28	.24	.21	.16
4.0	.53	.43	.36	.48	.40	.33	.40	.33	.27	.32	.26	.22	.24	.20	.16	.12
5.0	.46	.37	.30	.42	.34	.27	.35	.28	.22	.28	.22	.18	.21	.17	.13	.10
6.0	.41	.32	.25	.38	.29	.23	.31	.24	.19	.25	.19	.15	.19	.14	.11	.08
7.0	.37	.28	.21	.34	.25	.19	.28	.21	.16	.22	.17	.13	.17	.13	.09	.06
8.0	.33	.24	.18	.30	.22	.17	.25	.18	.14	.20	.15	.11	.15	.11	.08	.05
9.0	.30	.22	.16	.27	.20	.15	.23	.16	.12	.18	.13	.09	.14	.10	.07	.05
10.0	.27	.19	.14	.25	.18	.13	.21	.15	.11	.17	.12	.08	.13	.09	.06	.04



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	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	.436	.248	.079	.414	.236	.075	.373	.214	.068	.335	.193	.062	.300	.174	.056	
2.0	.360	.197	.060	.340	.187	.058	.302	.168	.052	.267	.150	.047	.235	.133	.042	
3.0	.311	.166	.050	.293	.157	.047	.258	.140	.043	.226	.124	.038	.197	.109	.034	
4.0	.276	.143	.042	.259	.135	.040	.227	.120	.036	.198	.106	.032	.170	.092	.028	
5.0	.248	.126	.037	.232	.119	.035	.203	.106	.031	.176	.093	.028	.150	.080	.024	
6.0	.225	.113	.032	.211	.106	.031	.184	.094	.027	.159	.082	.024	.135	.071	.021	
7.0	.206	.102	.029	.193	.096	.027	.168	.085	.024	.145	.074	.022	.123	.064	.019	
8.0	.190	.093	.026	.178	.088	.025	.155	.077	.022	.133	.067	.019	.113	.058	.017	
9.0	.176	.085	.024	.165	.080	.023	.143	.071	.020	.123	.062	.018	.104	.053	.015	
10.0	.164	.079	.022	.154	.074	.021	.134	.065	.018	.115	.057	.016	.097	.049	.014	

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	.560	.560	.560	.478	.478	.478	.327	.327	.327	.188	.188	.188	.060	.060	.060	
1.0	.561	.527	.497	.480	.453	.427	.329	.311	.296	.189	.180	.172	.061	.058	.056	
2.0	.556	.506	.465	.476	.436	.402	.326	.302	.280	.188	.175	.164	.060	.057	.054	
3.0	.549	.491	.445	.471	.424	.386	.323	.294	.271	.187	.172	.160	.060	.056	.052	
4.0	.542	.480	.433	.465	.415	.376	.320	.289	.265	.185	.169	.157	.060	.055	.052	
5.0	.534	.471	.424	.459	.408	.369	.316	.285	.261	.183	.167	.155	.059	.055	.051	
6.0	.527	.464	.418	.453	.402	.364	.312	.281	.258	.181	.165	.153	.058	.054	.051	
7.0	.520	.458	.414	.447	.397	.361	.309	.278	.256	.180	.164	.152	.058	.054	.050	
8.0	.513	.453	.411	.442	.393	.358	.306	.276	.254	.178	.163	.151	.058	.053	.050	
9.0	.507	.448	.408	.437	.389	.356	.303	.273	.253	.176	.161	.151	.057	.053	.050	
10.0	.501	.444	.406	.432	.386	.354	.300	.271	.252	.175	.160	.150	.057	.053	.050	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm										
NAME:					TYPE:LED			WEIGHT:		
SPEC.:ASD-LWS27B-48D36BK_5000K					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	19.5	19.2	20.4	21.5	6.7	7.8	7.5	8.7	9.8
3H	22.6	23.6	23.5	24.5	25.7	7.9	8.9	8.7	9.8	11.0
4H	24.9	25.8	25.7	26.8	27.9	8.4	9.4	9.3	10.3	11.5
6H	27.2	28.1	28.1	29.1	30.3	9.0	9.9	9.9	10.8	12.0
8H	28.5	29.4	29.4	30.3	31.5	9.2	10.1	10.2	11.1	12.3
12H	29.9	30.8	30.8	31.7	32.9	9.5	10.4	10.4	11.3	12.5
4H 2H	18.4	19.4	19.3	20.3	21.5	11.8	12.8	12.7	13.7	14.9
3H	23.0	23.8	23.9	24.8	26.0	13.2	14.0	14.1	15.0	16.2
4H	25.5	26.3	26.5	27.3	28.5	13.8	14.6	14.8	15.6	16.8
6H	28.3	29.0	29.2	30.0	31.2	14.4	15.1	15.3	16.1	17.3
8H	29.7	30.4	30.7	31.4	32.7	14.6	15.3	15.6	16.2	17.5
12H	31.3	32.0	32.3	32.9	34.2	14.8	15.4	15.8	16.4	17.7
8H 4H	25.6	26.2	26.5	27.2	28.5	17.7	18.4	18.7	19.4	20.7
6H	28.6	29.2	29.6	30.2	31.5	18.6	19.2	19.6	20.2	21.5
8H	30.4	30.9	31.4	31.9	33.2	19.0	19.5	20.0	20.5	21.9
12H	32.4	32.8	33.4	33.8	35.2	19.4	19.8	20.4	20.8	22.2
12H 4H	25.5	26.1	26.5	27.1	28.4	19.3	19.9	20.3	20.9	22.2
6H	28.6	29.1	29.6	30.1	31.5	20.5	21.0	21.5	22.0	23.3
8H	30.5	30.9	31.5	31.9	33.3	21.0	21.5	22.0	22.5	23.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.1				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.3				

CIE Pub.117, 2267 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.8)
 Area: 0.0976 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

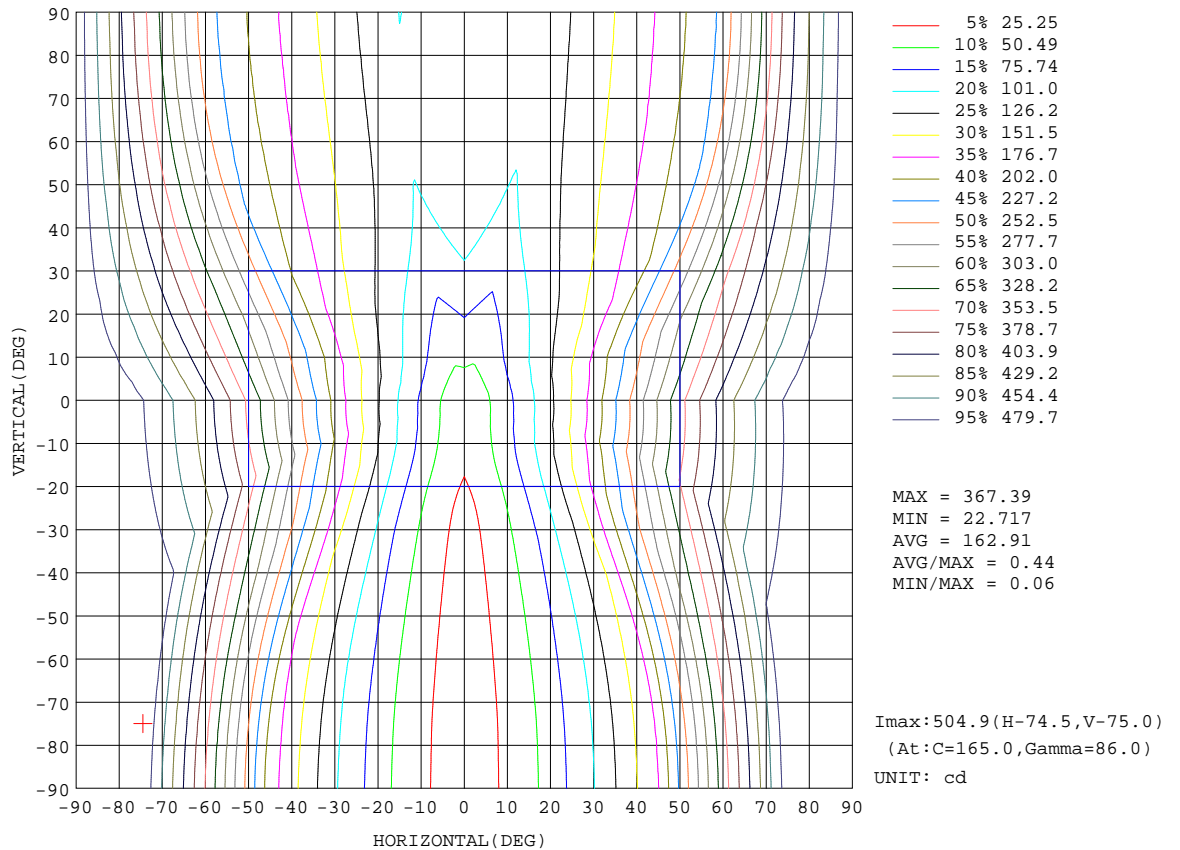
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	34	21	14	32	20	13	29	18	12	5
0.80	43	28	20	40	27	19	35	24	17	7
1.00	50	35	26	47	33	24	40	31	22	10
1.25	57	42	32	53	39	30	45	35	27	13
1.50	62	48	37	58	44	35	49	39	31	16
2.00	70	56	46	65	53	43	55	45	38	20
2.50	75	63	53	70	58	49	59	50	43	23
3.00	79	68	58	73	63	55	62	54	47	26
4.00	85	75	66	78	69	62	66	59	53	30
5.00	89	80	72	82	74	67	69	63	57	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: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

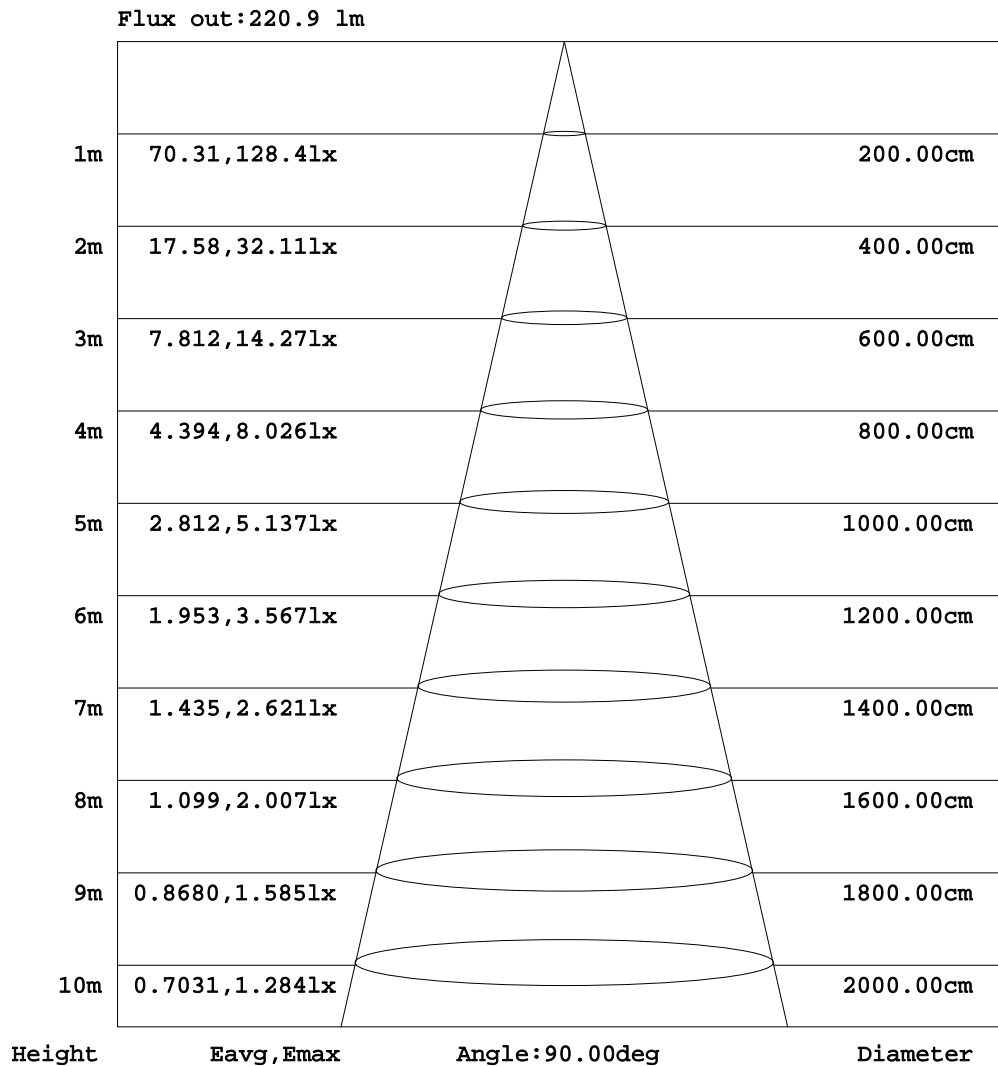


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



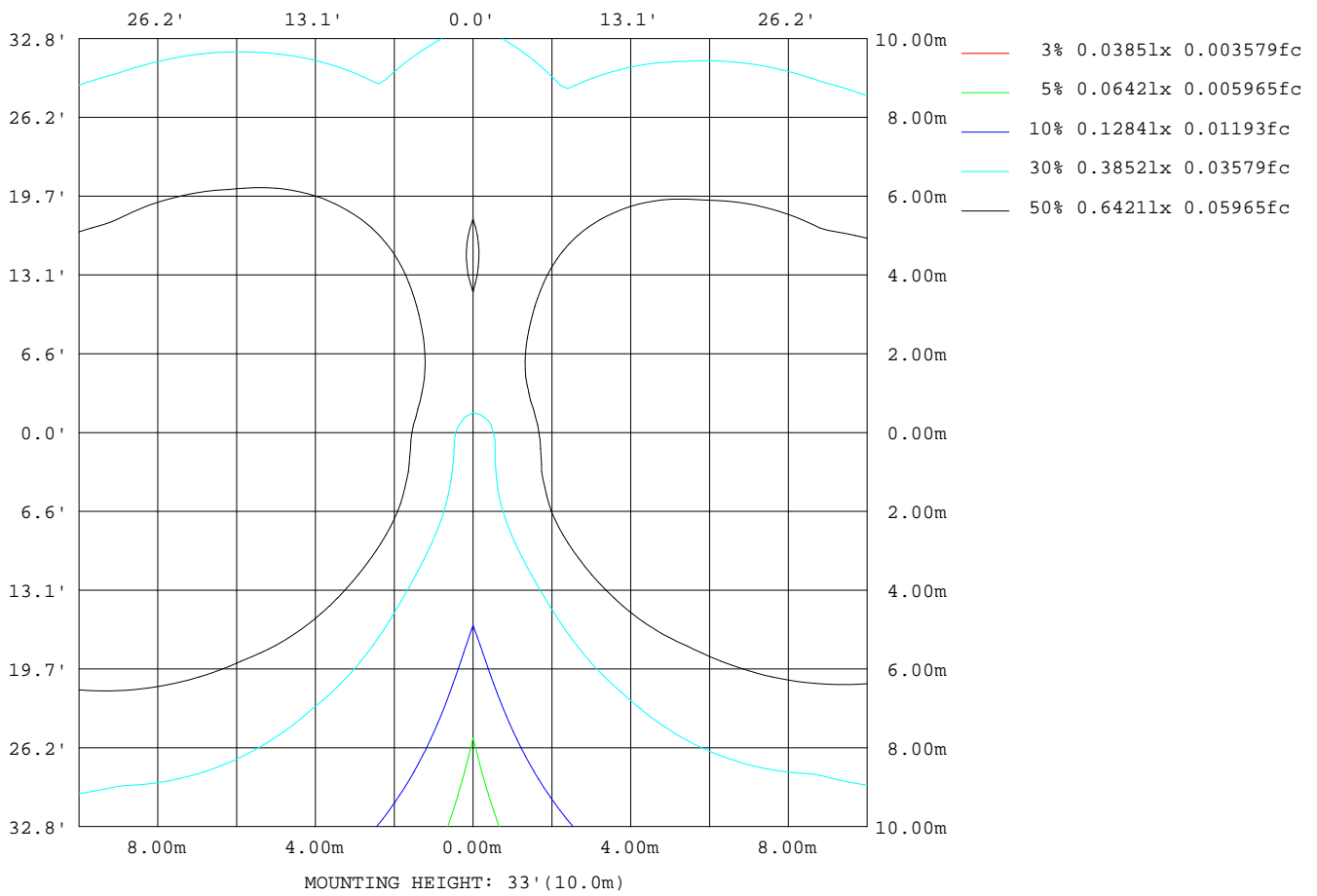
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators:Alan Wang
 Test Date:18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance:2.500m [K=1.0423]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

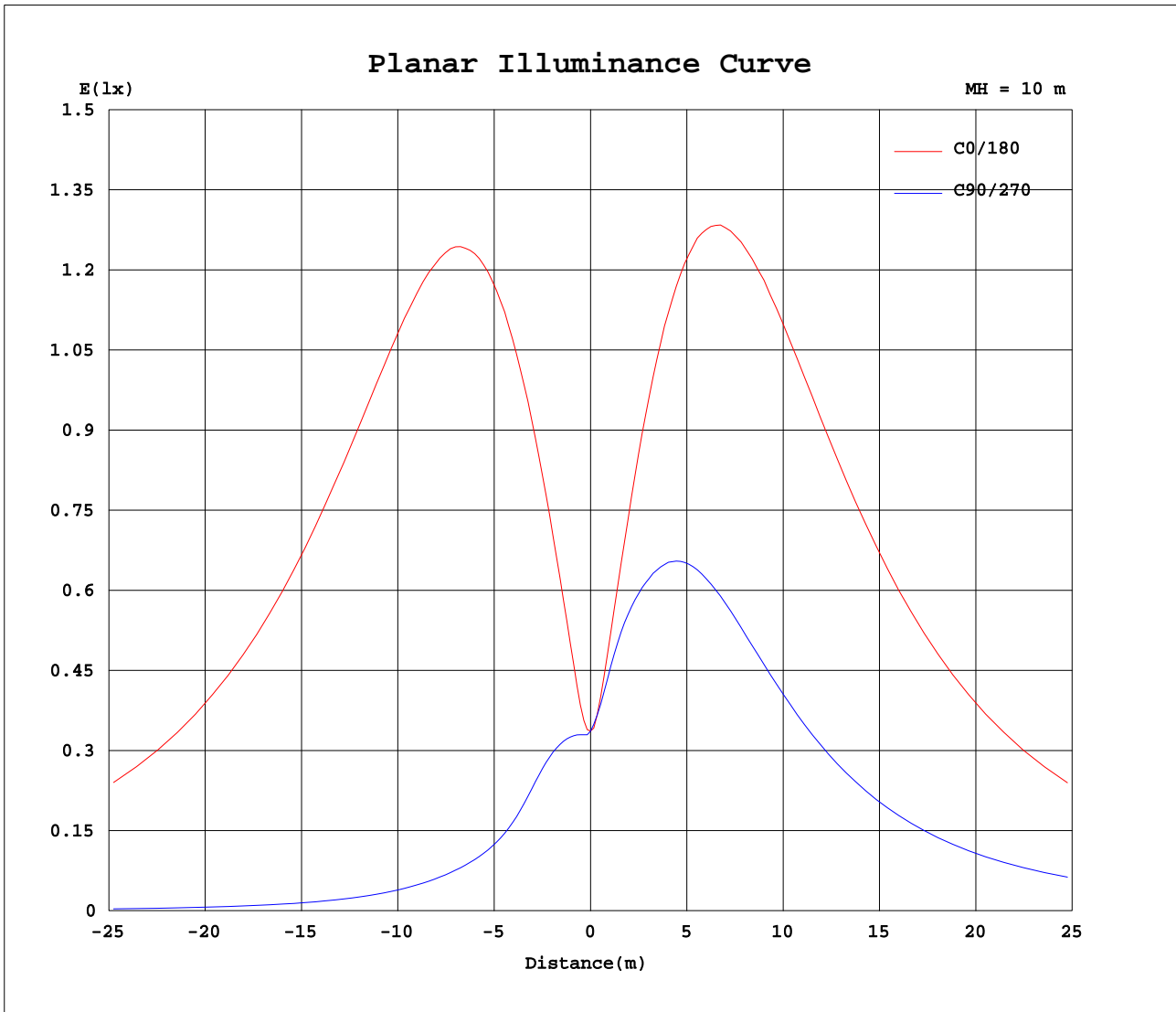
AvgL	cd/m2
L_0~180(65)av	10739
L_0~180(75)av	19112
L_0~180(85)av	58878
L_90~270(65)av	1548
L_90~270(75)av	2496
L_90~270(85)av	7324
L_45(65)av	4225
L_45(75)av	7112
L_45(85)av	21354

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Alan Wang
Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
Test Distance: 2.500m [K=1.0423]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	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	33.7	33.6	33.6	33.6	33.6	33.6	33.7	33.6	33.5	33.5	33.4	33.4	33.7	33.6	33.6	33.6	33.6	33.6	33.7
5	46.8	45.0	43.1	40.1	36.5	33.7	33.2	33.9	37.5	41.6	45.0	47.2	48.5	49.5	49.3	47.8	45.6	43.8	43.8
10	69.4	67.0	62.7	54.9	45.2	35.7	31.9	36.0	46.2	56.5	65.0	70.1	72.4	73.7	72.0	67.2	60.4	53.6	56.5
15	94.4	91.7	83.6	70.0	53.2	36.6	28.2	36.9	54.1	71.9	86.9	96.1	99.1	99.7	94.5	84.7	72.9	61.2	67.1
20	122	119	106	84.4	59.2	35.7	22.7	36.0	60.1	86.6	110	125	128	127	115	99.9	83.7	68.5	77.6
25	153	150	130	97.8	64.1	35.1	18.3	35.6	65.5	100	135	157	160	154	134	114	94.4	76.0	87.9
30	188	184	155	111	69.3	35.9	15.7	36.4	71.3	114	160	192	195	181	152	126	104	82.9	97.1
35	226	220	181	123	74.7	37.1	13.9	37.8	77.1	127	187	231	233	209	168	138	113	88.9	105
40	266	259	208	133	79.6	38.3	12.4	39.1	82.5	139	213	270	272	236	183	148	120	93.7	110
45	306	298	234	143	84.0	39.4	11.1	40.3	87.4	150	240	310	311	262	196	157	126	97.2	115
50	345	337	258	151	87.9	40.2	9.96	41.1	91.4	159	264	349	348	286	206	164	131	99.9	118
55	382	373	279	158	91.3	40.9	8.99	41.8	94.9	167	287	386	384	307	216	170	135	101	119
60	414	406	297	163	94.0	41.3	8.15	42.3	97.7	173	306	418	416	325	223	174	137	102	120
65	443	434	312	168	96.1	41.5	7.43	42.6	99.9	179	322	447	443	340	229	178	139	103	120
70	466	457	324	171	97.7	41.6	6.81	42.7	101	182	335	469	465	352	233	180	140	103	120
75	484	475	333	174	99.0	41.7	6.37	42.8	103	185	344	487	482	361	236	182	141	103	120
80	497	487	338	175	99.8	41.9	6.28	43.0	104	187	351	499	492	365	238	183	141	102	119
85	503	494	341	176	100	42.0	6.23	43.0	104	188	353	505	499	367	238	183	140	101	118
90	504	494	340	176	100	42.0	6.17	42.8	104	188	353	503	497	364	237	182	139	100	118
95	499	490	338	175	99.4	41.7	6.13	42.5	103	187	349	496	490	358	234	181	139	99.6	117
100	489	478	332	173	98.1	41.3	6.12	42.0	101	184	342	484	478	350	230	178	137	98.9	117
105	474	462	323	170	96.4	40.9	6.27	41.4	99.5	180	332	466	461	339	225	175	136	98.1	116
110	453	440	312	166	94.5	40.5	6.69	41.0	97.6	176	319	443	438	326	220	172	133	97.0	115
115	427	413	297	162	92.2	40.0	7.20	40.3	94.9	170	304	416	411	310	212	167	131	95.6	114
120	397	383	281	156	89.4	39.4	7.78	39.6	91.8	164	285	384	381	292	203	162	127	93.7	113
125	363	349	261	150	86.1	38.6	8.45	38.6	88.1	156	264	349	347	271	194	155	123	91.2	110
130	325	312	239	143	82.4	37.7	9.23	37.5	83.9	147	241	312	311	248	183	148	118	88.2	107
135	286	274	215	134	78.3	36.7	10.1	36.3	79.2	137	216	273	273	225	171	140	112	84.6	103
140	246	236	190	124	73.8	35.4	11.2	34.8	74.0	125	190	235	237	201	158	131	105	80.0	97.6
145	208	200	165	113	68.9	34.2	12.5	33.2	68.3	113	164	199	201	178	145	121	97.8	74.4	90.3
150	172	165	140	101	63.9	33.1	14.1	31.7	62.5	100	140	164	167	155	131	110	89.7	69.1	80.8
155	139	134	117	88.9	59.1	32.8	16.8	31.0	57.1	87.4	116	133	136	132	116	99.8	81.9	64.4	69.1
160	110	106	94.8	75.9	54.1	33.3	21.0	31.3	51.8	74.1	93.9	104	108	108	101	88.5	73.8	58.4	55.5
165	84.2	81.0	74.0	62.3	47.7	33.2	24.9	31.0	45.2	60.0	72.0	79.2	83.1	83.6	81.7	75.2	63.2	49.4	44.3
170	60.4	58.3	54.7	48.1	39.7	31.3	27.0	29.2	37.1	45.5	52.3	56.5	59.6	59.7	57.8	51.8	39.3	26.4	18.6
175	19.7	26.5	32.8	33.7	31.2	28.3	27.1	27.3	29.0	31.6	30.6	25.5	20.7	21.6	17.2	12.3	8.65	5.65	3.65
180	0.00	0.00	0.00	0.00	7.41	23.3	25.9	23.7	7.11	0.00	0.00	0.00	0.12	0.12	0.12	0.13	0.13	0.15	0.17

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2926A P:34.23W PF:0.9749 Freq:60.00Hz Lamp Flux:2267.45x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS27B-48D36BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	33.6	33.5	33.5	33.4	33.4														
5	43.2	44.4	46.1	47.0	46.9														
10	52.5	58.7	65.1	69.2	70.4														
15	59.8	70.9	82.0	90.8	95.3														
20	66.9	81.3	96.5	111	121														
25	74.3	91.4	110	130	147														
30	81.3	101	122	146	176														
35	87.2	109	133	161	206														
40	92.0	116	142	175	234														
45	95.8	122	150	188	263														
50	98.7	127	158	198	290														
55	101	131	164	207	315														
60	102	133	169	215	337														
65	103	136	173	222	355														
70	104	137	176	226	370														
75	105	138	178	230	381														
80	105	139	179	232	388														
85	105	139	179	233	392														
90	104	138	179	233	392														
95	104	138	178	231	389														
100	104	137	176	228	381														
105	103	135	173	224	370														
110	102	133	170	218	357														
115	101	130	166	212	339														
120	99.4	127	161	204	319														
125	96.6	123	155	196	297														
130	93.0	118	148	185	271														
135	88.4	112	140	174	244														
140	83.1	104	130	161	215														
145	77.0	94.6	119	146	186														
150	69.1	84.7	108	129	157														
155	64.7	73.9	92.9	110	129														
160	55.8	60.4	76.6	91.4	104														
165	43.9	45.8	59.5	73.3	80.9														
170	16.8	19.6	30.5	44.0	54.7														
175	1.99	2.23	6.17	9.32	13.0														
180	0.18	0.18	0.18	0.18	0.16														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 18 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0423]
 Remarks: