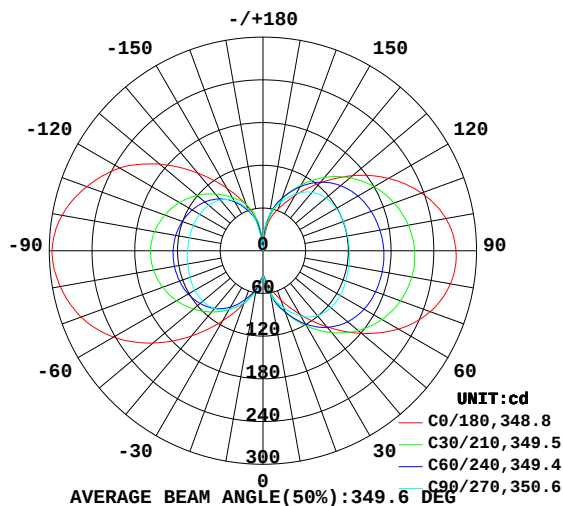


LUMINAIRE PHOTOMETRIC TEST REPORT

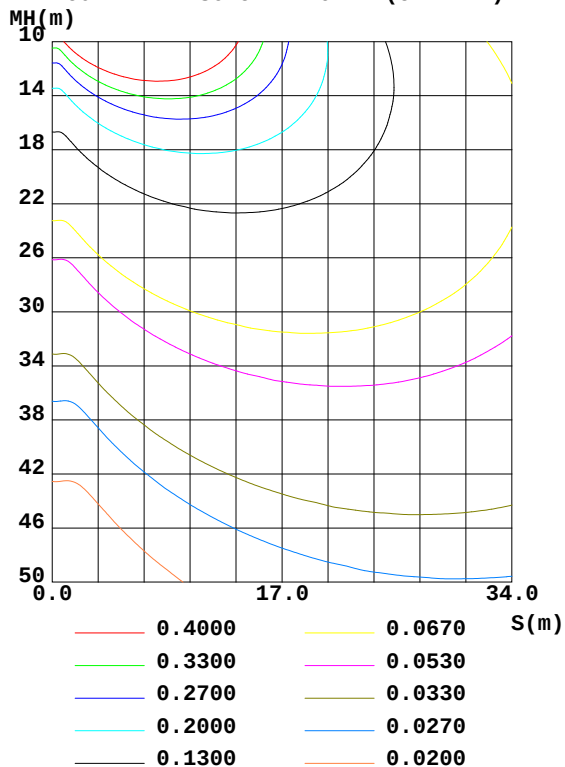
Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGB-BK
SPEC.:5000K
MFR.: ASD Lighting Corp

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.14 lm/W			
MODE:ASD-LWS27A-48D36SM-RGB-BK		Imax(cd)	318.8	S/MH(C0/180)	4.20
NOMINAL POWER(W)	36	LOR(%)	100.0	S/MH(C90/270)	2.94
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1873.8	η UP, DN(C0-180)	26.4, 28.1
NOMINAL FLUX(lm)	1873.78	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	22.1, 23.4
LAMPS INSIDE	1	η up(%)	48.5	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120	η down(%)	51.5	CIBSE SHR MAX	1.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
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	50.77	61.69	63.18	63.21	53.03	55.12	58.52	57.58	0- 10	4.656	4.656	0.25,0.25
20	73.70	94.24	84.69	96.39	79.50	70.54	77.00	77.27	10- 20	20.39	25.04	1.34,1.34
30	102.9	121.4	105.8	121.8	113.8	86.55	95.23	97.98	20- 30	44.62	69.66	3.72,3.72
40	139.5	147.2	118.9	145.8	156.3	101.7	105.9	116.7	30- 40	75.85	145.5	7.77,7.77
50	180.6	167.4	124.5	165.6	201.6	114.5	110.3	132.1	40- 50	110.3	255.8	13.7,13.7
60	219.8	182.1	125.3	180.6	242.4	124.6	110.7	143.9	50- 60	143.8	399.7	21.3,21.3
70	250.1	191.1	123.9	190.6	272.0	131.6	109.3	151.9	60- 70	172.2	571.8	30.5,30.5
80	267.4	195.8	122.5	196.2	288.9	136.0	107.5	156.3	70- 80	192.0	763.8	40.8,40.8
90	270.8	195.7	121.5	196.6	296.2	137.1	106.0	156.6	80- 90	201.8	965.6	51.5,51.5
100	260.9	191.2	120.7	191.8	286.7	134.6	104.9	152.9	90-100	200.1	1166	62.2,62.2
110	237.1	182.3	120.2	182.4	263.2	128.6	104.2	144.8	100-110	186.5	1352	72.2,72.2
120	203.3	169.6	119.1	168.9	232.5	120.0	102.7	133.8	110-120	163.6	1516	80.9,80.9
130	164.1	152.4	115.5	151.2	189.3	108.6	99.49	119.7	120-130	133.8	1650	88,88
140	124.2	131.1	107.2	130.1	142.5	94.51	93.17	102.9	130-140	100.3	1750	93.4,93.4
150	89.42	106.1	92.43	106.1	101.3	77.70	81.28	83.34	140-150	67.11	1817	97,97
160	62.60	79.83	71.99	80.79	68.41	61.19	61.93	60.94	150-160	38.21	1855	99,99
170	37.71	48.03	49.91	48.22	39.29	37.78	24.30	29.52	160-170	16.25	1871	99.9,99.9
180	0	0	14.15	0.3607	0.1233	0.2151	0.1322	0.1655	170-180	2.362	1874	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 196.33 lm

%lum = 10.5%

%lamp = 10.5%

Conical surface Flux(120deg): 399.67 lm

%lum = 21.3%

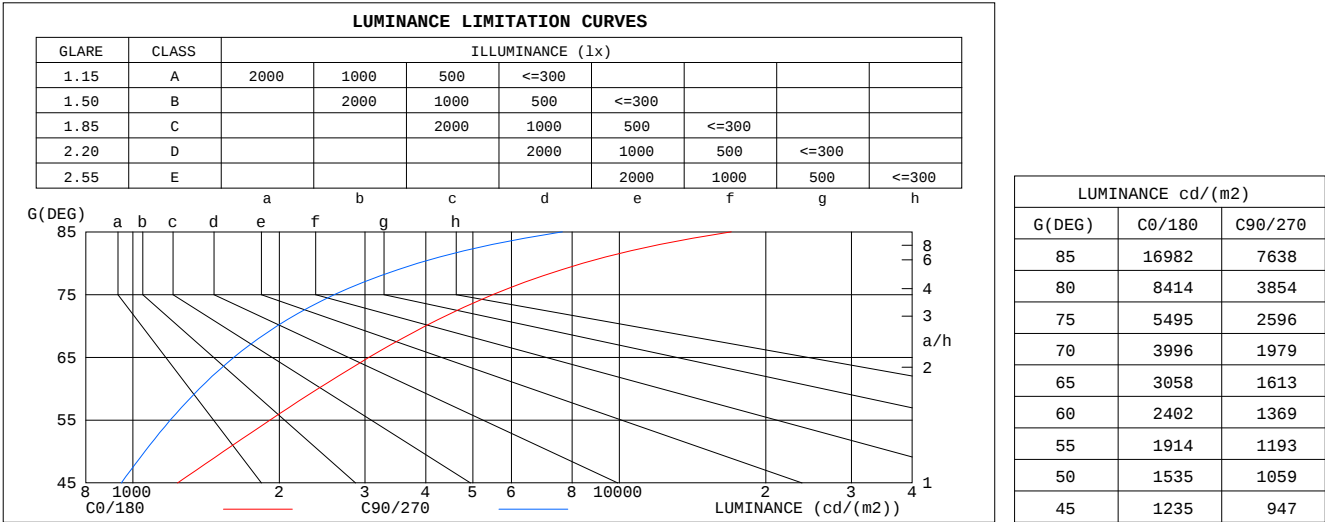
%lamp = 21.3%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGBW-BK
SPEC.:6500K
MFR.: ASD Lighting Corp



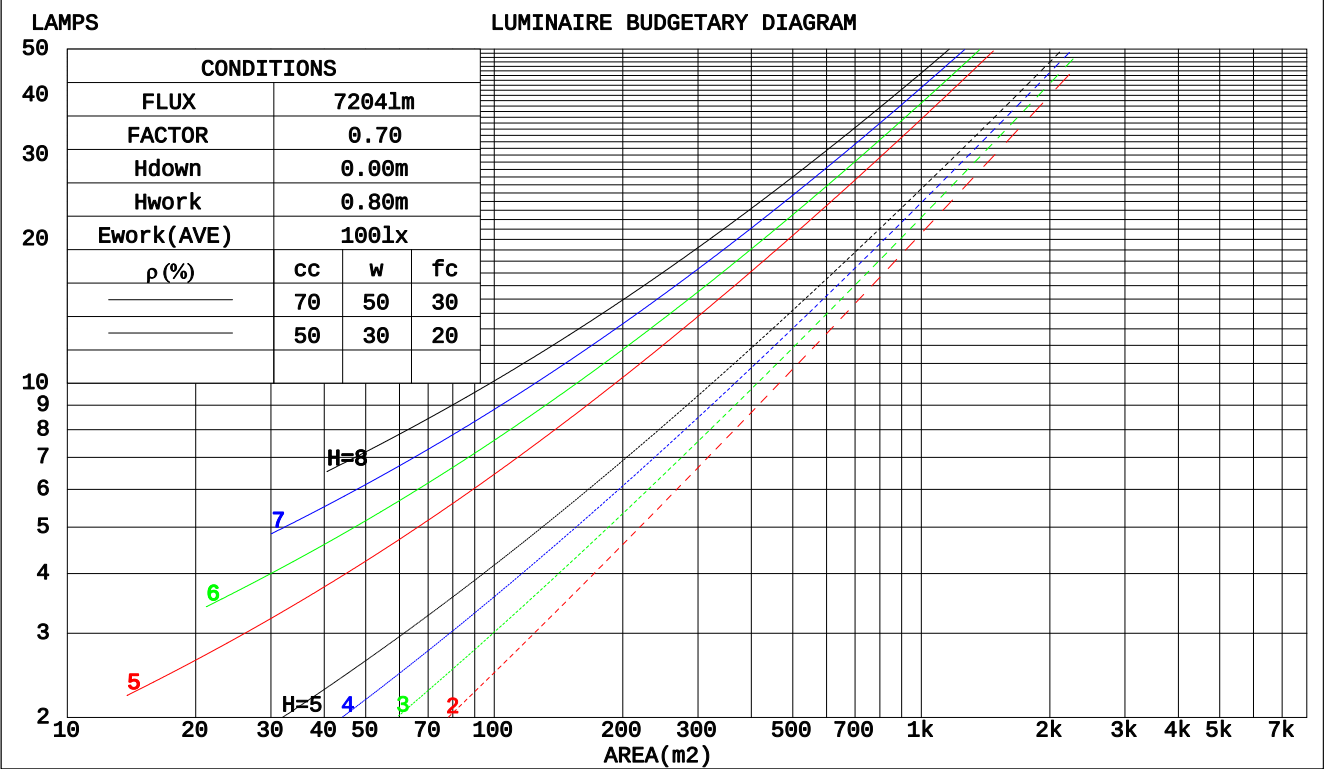
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 12 January 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0423]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGBW-BK
SPEC.:6500K
MFR.: ASD Lighting Corp

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						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	.75	.79	.74	.69	.66	.61	.58	.53	.50	.47	.42	.40	.38	.32
2.0	.72	.64	.57	.66	.58	.52	.54	.49	.44	.44	.39	.35	.34	.31	.28	.23
3.0	.62	.52	.45	.56	.48	.41	.46	.40	.34	.37	.32	.28	.28	.25	.21	.17
4.0	.53	.44	.36	.49	.40	.33	.40	.33	.28	.32	.27	.22	.24	.20	.17	.13
5.0	.47	.37	.30	.43	.34	.28	.35	.28	.23	.28	.23	.18	.21	.17	.14	.10
6.0	.41	.32	.25	.38	.29	.23	.31	.24	.19	.25	.19	.15	.19	.15	.11	.08
7.0	.37	.28	.22	.34	.26	.20	.28	.21	.16	.22	.17	.13	.17	.13	.10	.07
8.0	.33	.25	.19	.31	.23	.17	.25	.19	.14	.20	.15	.11	.16	.11	.08	.06
9.0	.30	.22	.16	.28	.20	.15	.23	.17	.12	.18	.13	.10	.14	.10	.07	.05
10.0	.27	.20	.14	.25	.18	.13	.21	.15	.11	.17	.12	.09	.13	.09	.06	.04



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 12 January 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0423]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGBW-BK
SPEC.:6500K
MFR.: ASD Lighting Corp

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.431	.245	.078	.409	.233	.074	.367	.211	.067	.329	.190	.061	.294	.171	.055		
2.0	.356	.195	.060	.336	.185	.057	.298	.166	.052	.263	.148	.046	.231	.131	.041		
3.0	.309	.164	.049	.290	.156	.047	.256	.139	.042	.224	.123	.038	.194	.108	.033		
4.0	.274	.142	.042	.257	.134	.040	.225	.119	.036	.196	.105	.032	.168	.092	.028		
5.0	.246	.125	.036	.231	.118	.034	.202	.105	.031	.174	.092	.027	.149	.080	.024		
6.0	.224	.112	.032	.209	.106	.030	.183	.094	.027	.158	.082	.024	.134	.071	.021		
7.0	.205	.101	.029	.192	.096	.027	.167	.084	.024	.144	.074	.021	.122	.063	.019		
8.0	.189	.092	.026	.177	.087	.025	.154	.077	.022	.132	.067	.019	.112	.057	.017		
9.0	.176	.085	.024	.164	.080	.022	.143	.071	.020	.123	.061	.018	.103	.053	.015		
10.0	.164	.078	.022	.153	.074	.021	.133	.065	.018	.114	.057	.016	.096	.048	.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	.428	.328	.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	.446	.470	.424	.386	.323	.294	.271	.187	.172	.160	.060	.056	.052	
4.0	.541	.480	.433	.465	.415	.376	.319	.289	.265	.185	.169	.157	.059	.055	.052	
5.0	.534	.471	.425	.459	.408	.369	.316	.285	.261	.183	.167	.155	.059	.055	.051	
6.0	.527	.464	.419	.453	.402	.365	.312	.281	.258	.181	.165	.153	.058	.054	.051	
7.0	.520	.458	.414	.447	.397	.361	.309	.278	.256	.179	.164	.152	.058	.054	.050	
8.0	.513	.452	.411	.442	.392	.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	.355	.300	.271	.252	.175	.160	.150	.057	.053	.050	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm										
NAME:ASD-IWS27A-48D36SM-RGBW-BK										
SPEC.:6500K										
MFR.: ASD Lighting Corp										
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	13.1	14.3	14.0	15.1	16.3	10.6	11.8	11.5	12.7	13.8
3H	17.1	18.1	18.0	19.0	20.2	13.6	14.6	14.4	15.5	16.7
4H	19.2	20.2	20.1	21.1	22.3	15.2	16.2	16.1	17.1	18.3
6H	21.5	22.4	22.4	23.4	24.6	17.0	17.9	17.9	18.9	20.1
8H	22.8	23.7	23.7	24.6	25.8	18.1	18.9	19.0	19.9	21.1
12H	24.2	25.0	25.1	26.0	27.2	19.3	20.1	20.2	21.0	22.3
4H 2H	13.8	14.8	14.7	15.7	16.9	12.3	13.2	13.1	14.1	15.3
3H	17.9	18.7	18.8	19.7	20.9	15.3	16.1	16.2	17.1	18.3
4H	20.2	21.0	21.1	21.9	23.2	17.0	17.8	17.9	18.7	20.0
6H	22.7	23.4	23.7	24.4	25.7	18.9	19.6	19.8	20.6	21.8
8H	24.1	24.8	25.1	25.8	27.1	19.9	20.6	20.9	21.6	22.9
12H	25.7	26.3	26.7	27.3	28.6	21.1	21.8	22.1	22.7	24.0
8H 4H	20.6	21.2	21.6	22.2	23.5	18.2	18.9	19.2	19.9	21.1
6H	23.4	24.0	24.4	25.0	26.3	20.4	20.9	21.4	21.9	23.3
8H	25.0	25.5	26.0	26.5	27.8	21.6	22.1	22.6	23.1	24.4
12H	26.9	27.3	27.9	28.3	29.7	23.0	23.4	24.0	24.4	25.8
12H 4H	20.7	21.3	21.6	22.3	23.6	18.6	19.2	19.6	20.2	21.5
6H	23.6	24.1	24.6	25.1	26.4	21.0	21.5	22.0	22.5	23.8
8H	25.3	25.7	26.3	26.7	28.1	22.3	22.7	23.3	23.8	25.1
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 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.4				

CIE Pub.117, 1874 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.2$)
Area: 0.183 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0423]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGBW-BK
SPEC.:6500K
MFR.: ASD Lighting Corp

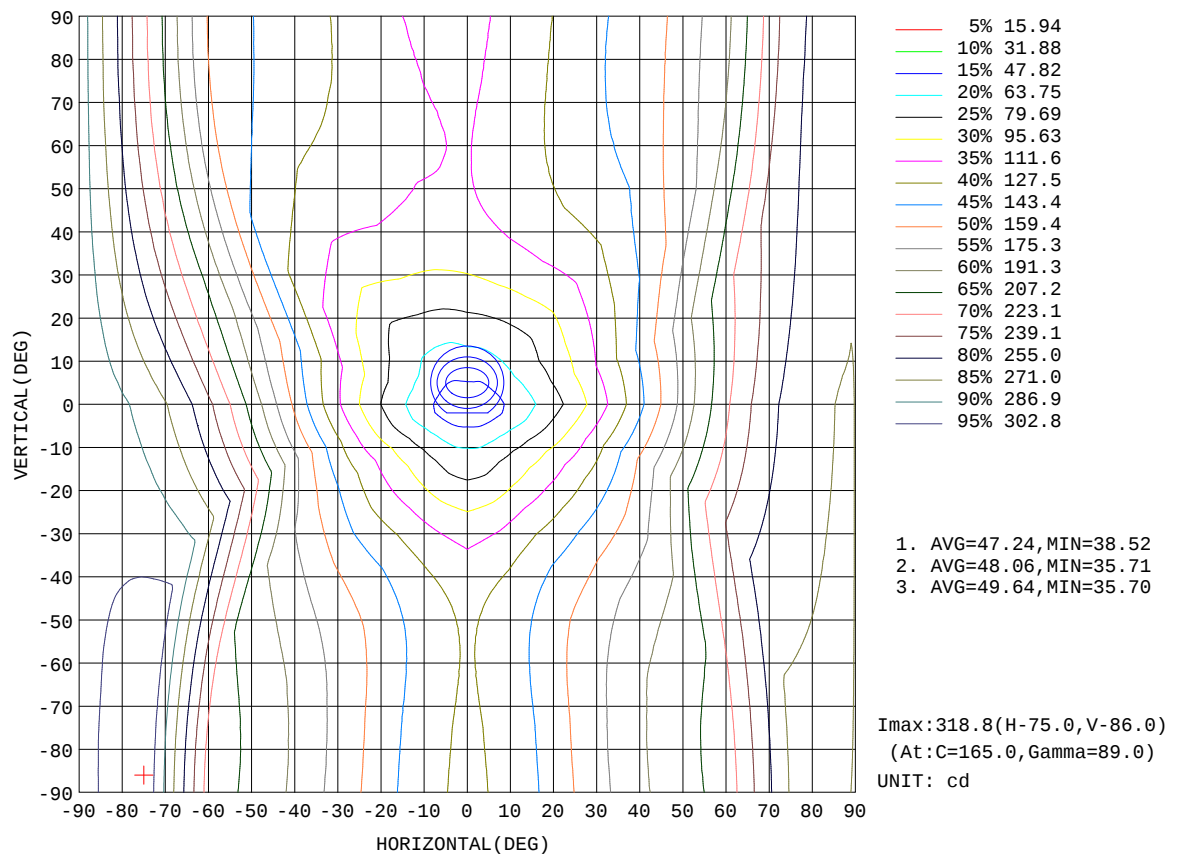
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	35	22	14	33	21	14	29	19	13	5
0.80	43	29	20	40	27	19	36	25	18	8
1.00	50	36	26	47	34	25	41	32	22	11
1.25	57	42	33	53	40	31	46	35	27	14
1.50	63	48	38	58	45	36	50	39	32	16
2.00	70	57	47	65	53	44	55	46	39	21
2.50	76	63	53	70	59	50	59	51	43	24
3.00	80	68	59	74	63	55	62	54	48	26
4.00	85	75	67	79	70	62	66	60	54	30
5.00	89	80	72	82	74	67	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: 25.1DEG
 Operators: Alan Wang
 Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGBW-BK
SPEC.:6500K
MFR.: ASD Lighting Corp



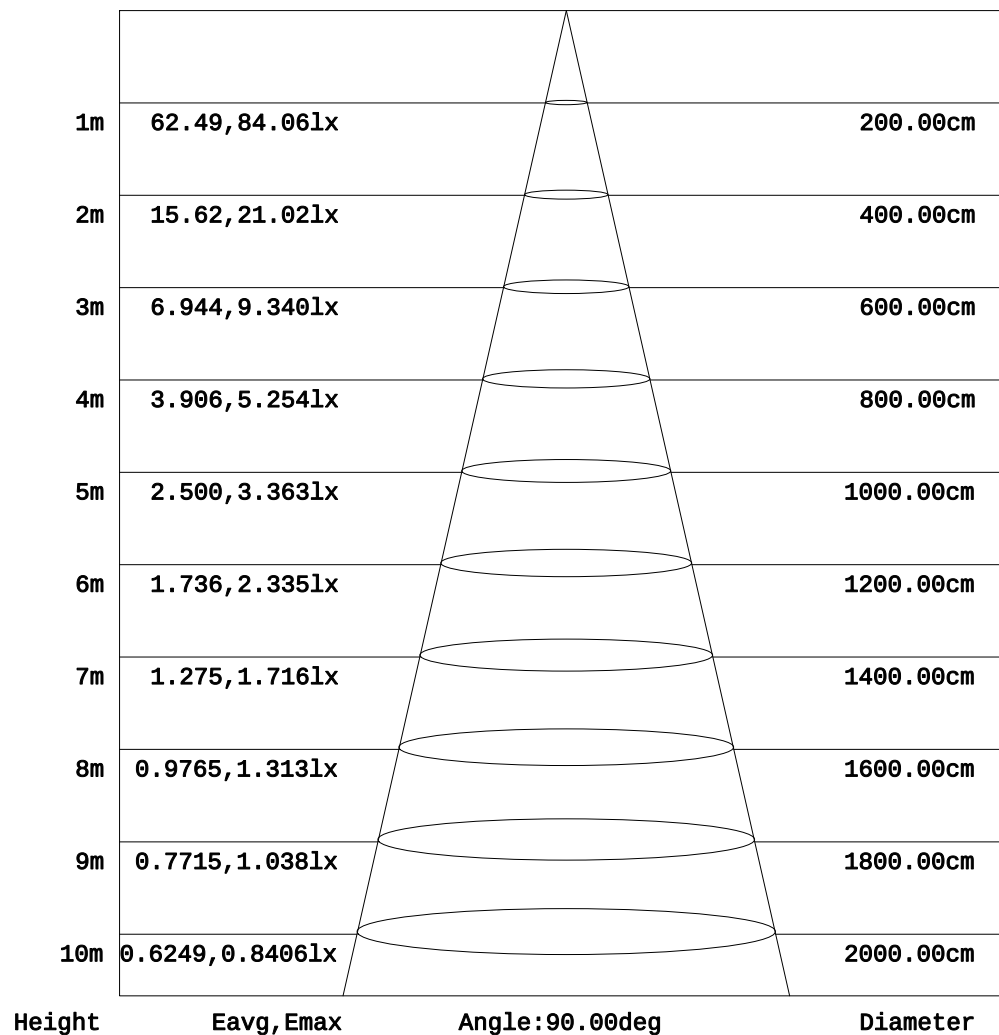
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0423]
Remarks:

AAI Figure

Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGBW-BK
SPEC.:6500K
MFR.: ASD Lighting Corp

Flux out:196.3 lm



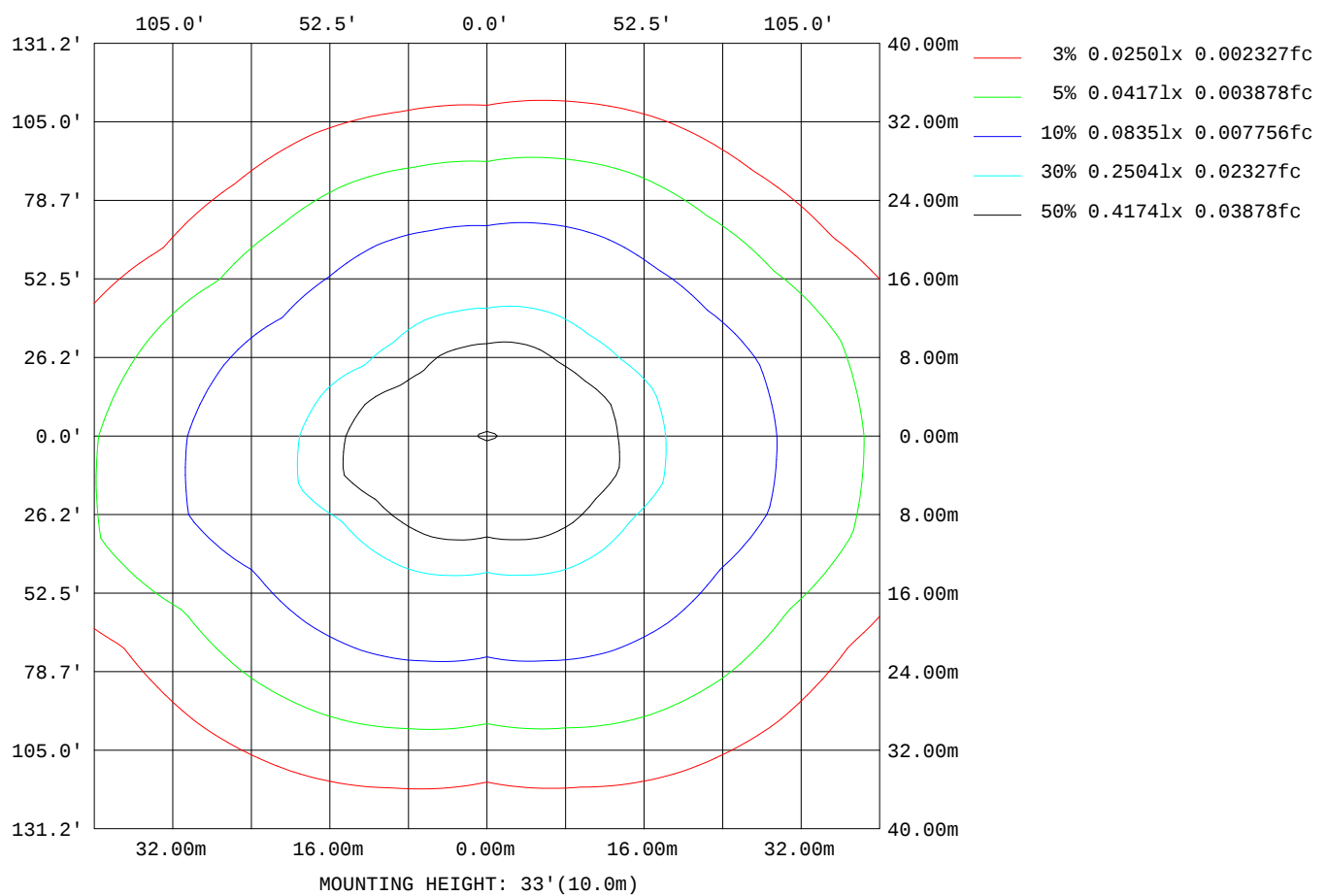
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0423]
 Remarks:

ISOLUX DIAGRAM

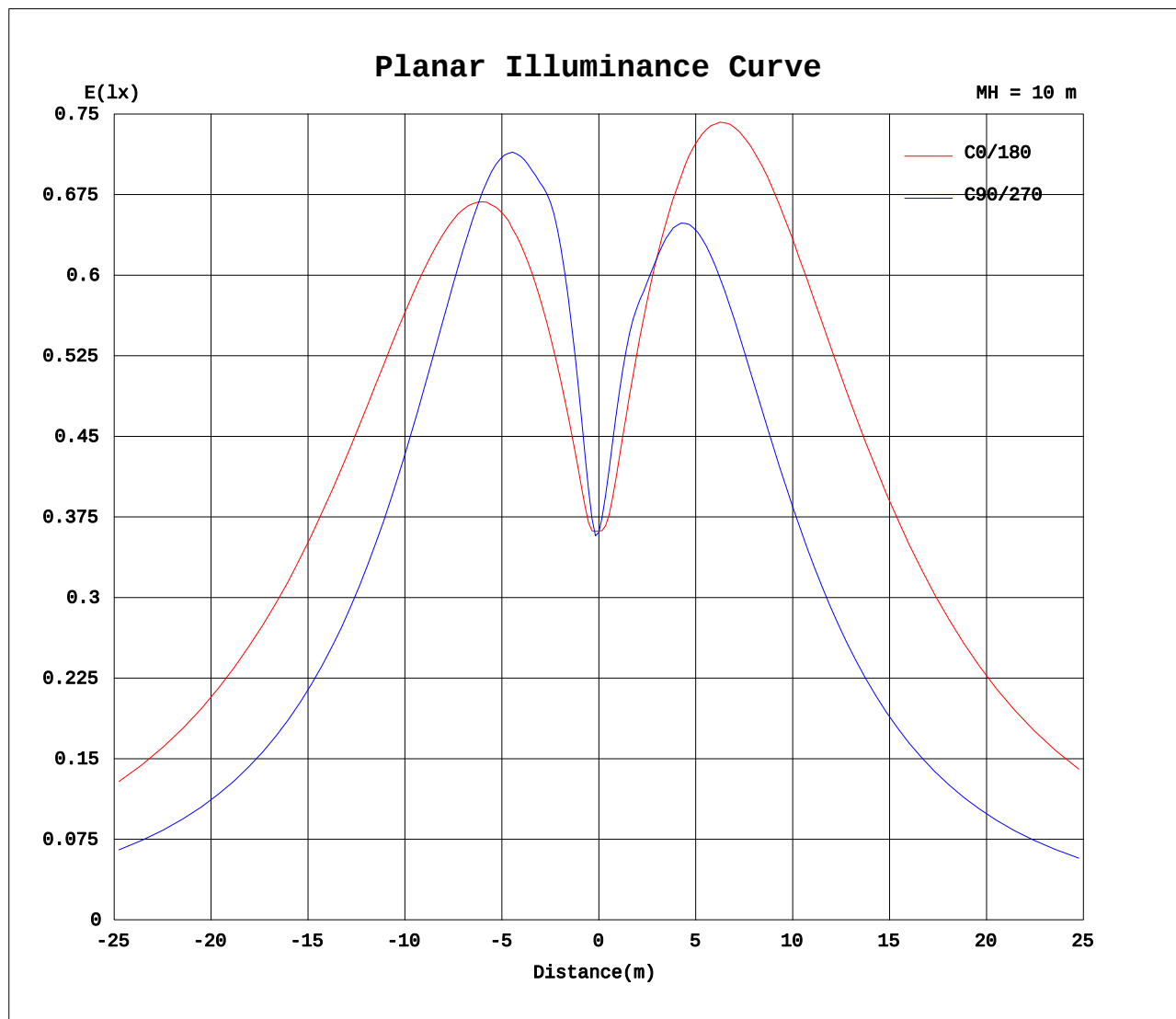
Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGBW-BK
SPEC.:6500K
MFR.: ASD Lighting Corp



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0423]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0423]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2857A P:33.98W PF:0.9913 Freq:60.00Hz Lamp Flux:1873.78x1 lm
NAME:ASD-LWS27A-48D36SM-RGBW-BK
SPEC.:6500K
MFR.: ASD Lighting Corp

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	36.2	36.2	36.1	36.1	36.1	36.1	36.1	36.0	36.0	36.0	36.0	36.0	36.2	36.2	36.1	36.1	36.1	36.1	36.1
5	40.6	39.8	41.4	43.2	44.7	46.3	46.9	46.4	45.3	44.2	42.4	41.0	41.5	42.7	43.7	44.1	44.9	46.7	47.3
10	50.8	52.2	57.9	61.7	62.8	62.3	63.2	62.9	63.8	63.2	59.6	54.2	53.0	55.5	56.4	55.1	55.6	56.6	58.5
15	61.7	66.7	75.1	79.2	79.1	75.6	75.0	76.4	80.0	81.1	77.7	69.6	65.7	68.8	68.2	63.8	63.6	64.0	66.8
20	73.7	82.3	91.7	94.2	91.7	86.7	84.7	87.3	92.5	96.4	95.3	86.5	79.5	82.3	78.1	70.5	72.6	73.9	77.0
25	87.5	99.2	107	107	105	99.5	95.8	99.9	105	109	112	105	95.6	96.6	86.6	78.4	82.4	84.0	87.0
30	103	117	122	121	119	111	106	112	118	122	128	126	114	111	95.4	86.6	91.3	92.6	95.2
35	120	136	136	135	130	121	113	121	130	134	143	148	134	127	104	94.4	99.1	99.5	102
40	139	155	150	147	140	128	119	129	140	146	157	172	156	142	112	102	106	104	106
45	160	174	163	158	149	134	123	134	148	156	169	196	179	158	120	108	111	108	109
50	181	194	175	167	155	137	125	138	154	166	179	220	202	173	127	114	115	111	110
55	201	212	184	175	160	140	125	140	159	174	188	242	223	186	134	120	119	112	111
60	220	229	193	182	164	141	125	142	163	181	196	263	242	198	140	125	121	113	111
65	237	243	200	187	167	141	125	142	166	186	203	280	259	207	146	128	123	113	110
70	250	254	206	191	168	141	124	142	168	191	208	294	272	214	150	132	125	113	109
75	260	263	209	194	169	141	123	142	169	194	212	305	282	219	153	134	126	113	108
80	267	269	212	196	170	141	122	142	170	196	215	313	289	223	156	136	126	113	107
85	271	272	213	196	170	141	122	142	170	197	216	318	294	226	158	137	126	112	107
90	271	273	213	196	170	140	121	141	169	197	216	318	296	227	158	137	126	112	106
95	268	270	211	194	168	140	121	140	168	195	214	315	293	225	157	136	126	111	105
100	261	264	207	191	167	139	121	140	167	192	210	308	287	222	155	135	124	110	105
105	250	255	202	187	164	138	120	139	164	188	205	295	276	216	151	132	123	109	105
110	237	243	196	182	162	137	120	137	161	182	199	281	263	209	147	129	121	108	104
115	221	229	189	176	158	136	120	136	158	176	192	265	249	200	142	125	118	107	104
120	203	213	180	170	154	133	119	134	154	169	184	246	232	191	135	120	115	106	103
125	184	196	170	162	149	131	118	131	148	161	174	225	212	179	129	115	111	103	101
130	164	177	160	152	142	127	116	127	142	151	164	201	189	165	121	109	107	101	99.5
135	144	157	147	142	135	122	112	122	134	141	152	176	166	149	113	102	101	97.3	96.9
140	124	137	134	131	126	116	107	115	125	130	140	152	142	132	104	94.5	95.1	92.6	93.2
145	106	118	121	119	115	108	101	107	115	118	126	129	121	117	95.4	86.5	87.8	86.8	88.0
150	89.4	99.7	106	106	104	97.8	92.4	96.7	103	106	111	108	101	101	86.6	77.7	79.4	79.4	81.3
155	74.8	82.7	91.7	93.1	91.1	86.4	82.5	85.2	90.3	93.8	95.4	88.5	83.8	86.3	78.4	69.2	69.5	70.4	72.6
160	62.6	67.4	76.4	79.8	78.9	74.8	72.0	73.5	78.1	80.8	78.7	70.8	68.4	70.9	69.3	61.2	59.1	60.0	61.9
165	51.7	53.3	60.7	65.0	65.6	64.1	62.9	63.1	65.3	65.4	61.8	54.7	54.2	55.3	56.8	52.7	48.9	48.6	50.2
170	37.7	38.7	44.2	48.0	49.6	49.4	49.9	49.5	49.4	48.2	44.8	39.5	39.3	39.6	41.1	37.8	33.0	25.8	24.3
175	14.8	16.6	20.6	26.9	31.7	33.5	34.3	34.1	31.8	27.9	22.0	17.8	15.5	15.6	12.3	8.87	7.07	5.13	4.64
180	0.00	0.00	0.00	0.00	0.00	0.00	14.2	2.59	0.00	0.36	0.00	0.00	0.12	0.14	0.15	0.22	0.15	0.11	0.13

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 12 January 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416

Humidity: 41.3%

Test Distance: 2.500m [K=1.0423]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:6500K
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Table--2

UNIT: cd

γ (DEG) \ C (DEG)	285	300	315	330	345														
0	36.0	36.0	36.0	36.0	36.0														
5	47.0	45.2	44.5	43.5	41.8														
10	57.8	57.5	57.6	57.0	53.7														
15	66.7	67.4	68.2	69.4	66.2														
20	77.7	77.6	77.3	81.2	79.5														
25	88.7	88.9	87.6	92.2	93.5														
30	98.3	99.3	98.0	104	108														
35	106	108	108	115	124														
40	112	116	117	127	141														
45	116	122	125	138	158														
50	119	128	132	148	176														
55	121	132	138	157	193														
60	122	135	144	165	208														
65	123	137	148	172	221														
70	123	139	152	178	233														
75	123	140	155	182	241														
80	123	141	156	185	247														
85	122	141	157	186	250														
90	122	140	157	186	250														
95	121	139	155	184	247														
100	120	138	153	181	242														
105	119	136	149	176	234														
110	118	133	145	170	222														
115	116	130	140	162	209														
120	114	126	134	154	194														
125	112	121	127	145	178														
130	108	116	120	135	161														
135	104	109	112	124	143														
140	98.8	102	103	113	126														
145	92.0	93.9	93.5	101	110														
150	83.7	84.5	83.3	89.0	94.4														
155	73.7	74.1	72.2	76.9	80.2														
160	62.2	62.7	60.9	64.7	67.9														
165	50.7	50.3	49.2	52.7	55.5														
170	24.3	25.5	29.5	33.9	38.0														
175	4.62	5.17	6.83	9.32	10.4														
180	0.15	0.16	0.17	0.22	0.21														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 12 January 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0423]
 Remarks: