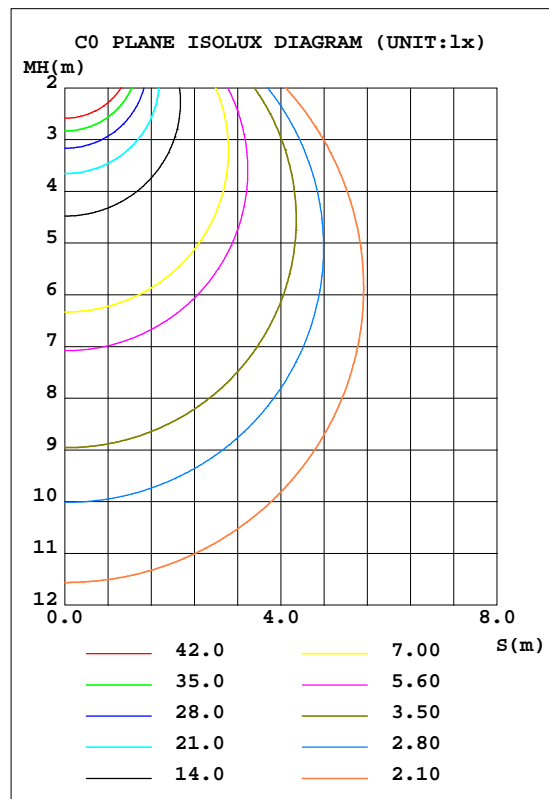
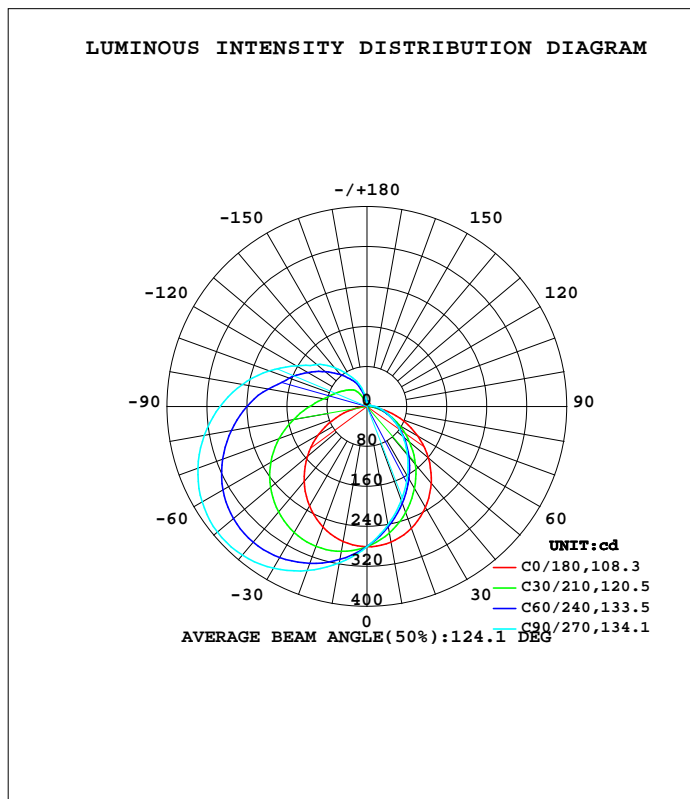


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marilyn 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	1918B3-11P03	Imax(cd)	391.3	S/MH(C0/180)	1.23
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.99
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1427.9	h UP, DN(C0-180)	1.3, 20.3
NOMINAL FLUX(lm)	1427.89	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	21.0, 57.5
LAMPS INSIDE	1	h up(%)	22.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	h down(%)	77.8	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

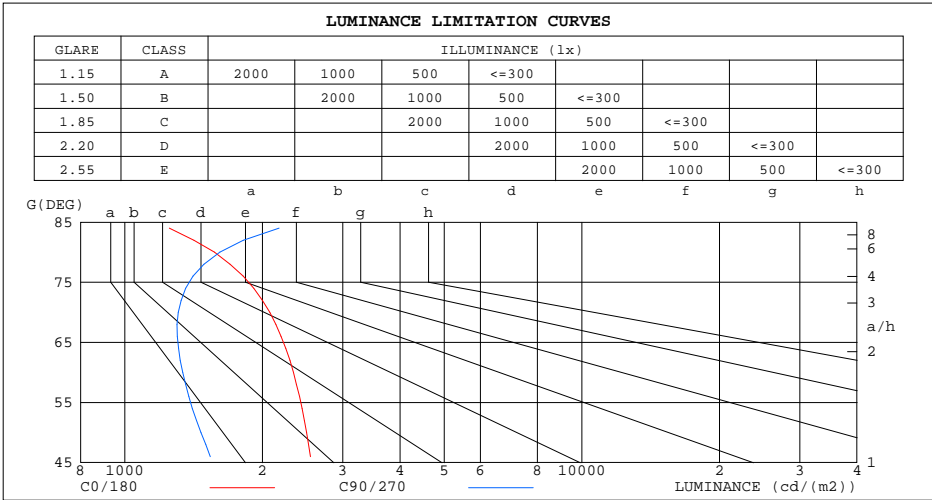
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	275.6	250.1	241.0	249.4	274.3	303.3	317.4	304.4	0- 10	26.61	26.61	1.86,1.86
20	259.5	214.9	200.7	213.6	256.9	317.5	349.3	319.7	10- 20	77.01	103.6	7.26,7.26
30	233.6	177.0	162.1	175.4	230.2	322.4	373.7	325.6	20- 30	119.5	223.1	15.6,15.6
40	200.1	138.8	126.4	137.0	195.8	317.9	388.2	322.1	30- 40	150.2	373.3	26.1,26.1
50	160.6	102.4	94.44	100.6	155.8	304.2	390.9	309.0	40- 50	166.7	540.0	37.8,37.8
60	116.9	69.61	66.93	68.27	111.9	281.6	381.2	286.9	50- 60	168.4	708.3	49.6,49.6
70	70.99	42.30	44.76	41.47	66.05	251.4	360.1	256.9	60- 70	156.6	865.0	60.6,60.6
80	27.29	22.32	28.02	22.08	23.50	217.0	330.3	222.5	70- 80	135.1	1000	70,70
90	1.663	10.46	16.43	10.52	1.734	182.7	294.3	187.7	80- 90	110.3	1110	77.8,77.8
100	2.404	5.662	9.682	5.710	2.546	147.9	254.0	155.7	90-100	89.15	1199	84,84
110	3.576	4.577	6.940	4.640	3.712	122.6	208.6	127.7	100-110	70.93	1270	89,89
120	5.110	4.772	6.041	4.824	5.232	100.8	163.6	102.8	110-120	54.95	1325	92.8,92.8
130	6.733	5.023	6.159	5.060	6.855	81.40	130.6	81.38	120-130	40.78	1366	95.7,95.7
140	7.435	5.237	6.115	5.248	7.494	64.43	101.5	64.38	130-140	28.56	1395	97.7,97.7
150	7.435	5.307	6.004	5.307	7.938	48.53	72.99	49.43	140-150	18.25	1413	99,99
160	8.010	5.355	5.547	5.304	8.557	24.97	48.99	31.87	150-160	9.925	1423	99.6,99.6
170	10.19	9.224	6.259	7.597	10.47	10.75	20.34	15.46	160-170	4.009	1427	99.9,99.9
180	11.92	11.90	8.726	11.63	11.91	11.95	8.741	11.68	170-180	1.056	1428	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

LUMINANCE LIMITATION CURVES

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marylin 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG)	C0/180	C90/270
85	1500	2608
80	1572	1614
75	2039	1447
70	2076	1309
65	2335	1360
60	2338	1339
55	2502	1441
50	2499	1469
45	2615	1600

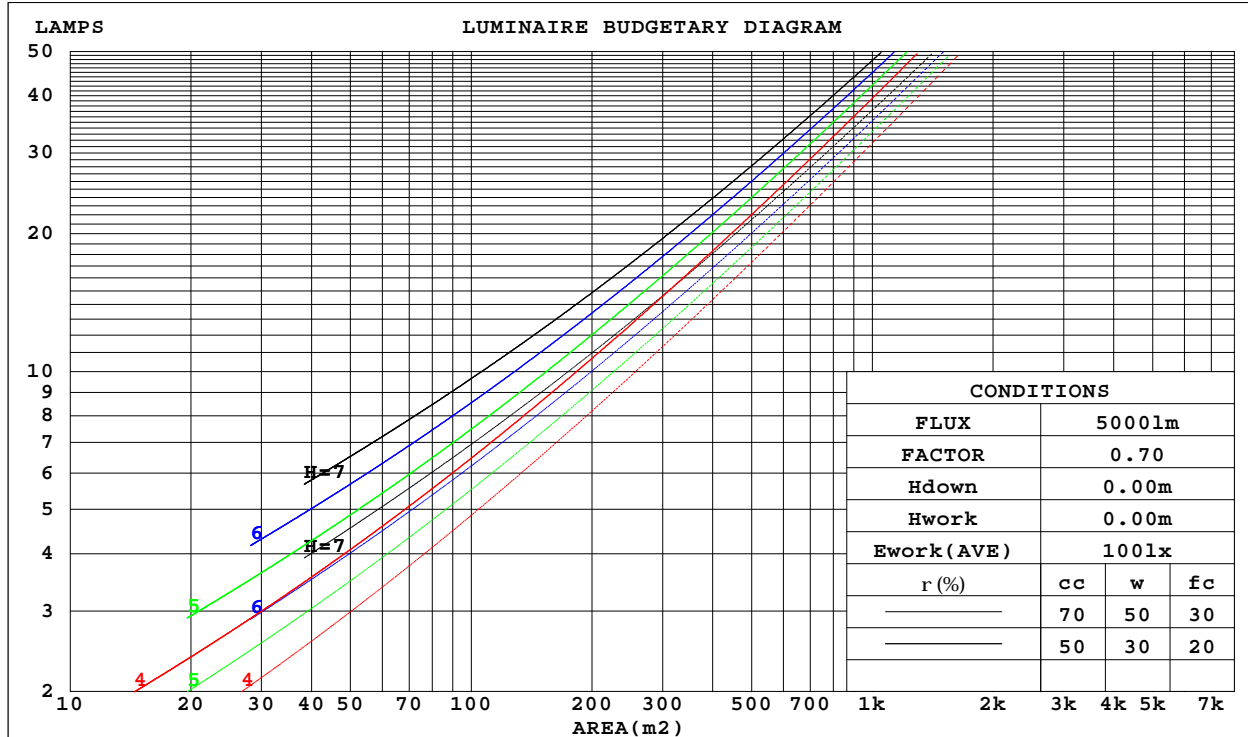
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

G Range: 0 - 180DEG  
 G Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marilyn 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.94	.89	.84	.90	.85	.81	.82	.78	.74	.74	.71	.68	.67	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.58	.54	.57	.53	.50	.46
3.0	.70	.61	.54	.67	.58	.52	.60	.54	.48	.55	.49	.44	.49	.45	.41	.38
4.0	.61	.52	.45	.58	.50	.43	.53	.46	.40	.48	.42	.37	.43	.38	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.29	.27
6.0	.49	.39	.33	.46	.38	.32	.42	.35	.29	.39	.32	.27	.35	.30	.26	.23
7.0	.44	.35	.28	.42	.33	.28	.38	.31	.26	.35	.29	.24	.32	.26	.22	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.21	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.20	.29	.23	.19	.27	.22	.18	.16
10.0	.33	.25	.20	.32	.24	.19	.30	.23	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

WEC AND CCEC

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marylin 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.388	.221	.070	.374	.213	.068	.348	.200	.064	.324	.187	.060	.302	.175	.056	
2.0	.334	.183	.056	.322	.177	.055	.298	.166	.051	.276	.155	.048	.256	.145	.046	
3.0	.296	.158	.047	.285	.153	.046	.263	.143	.043	.243	.133	.041	.225	.125	.039	
4.0	.266	.138	.041	.256	.134	.040	.236	.125	.037	.218	.117	.035	.201	.109	.033	
5.0	.242	.123	.036	.232	.119	.035	.215	.112	.033	.198	.104	.031	.183	.098	.029	
6.0	.221	.111	.032	.213	.108	.031	.197	.101	.029	.181	.094	.028	.167	.088	.026	
7.0	.204	.101	.029	.196	.098	.028	.181	.092	.026	.167	.086	.025	.154	.080	.024	
8.0	.189	.092	.026	.182	.090	.025	.168	.084	.024	.155	.079	.023	.143	.074	.021	
9.0	.176	.085	.024	.170	.083	.023	.157	.078	.022	.145	.073	.021	.134	.068	.020	
10.0	.165	.079	.022	.159	.077	.021	.147	.072	.020	.136	.067	.019	.125	.063	.018	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.360	.360	.360	.308	.308	.308	.210	.210	.210	.121	.121	.121	.039	.039	.039	
1.0	.357	.326	.299	.305	.280	.257	.209	.193	.178	.120	.111	.104	.038	.036	.033	
2.0	.350	.304	.265	.300	.261	.229	.205	.181	.160	.118	.105	.094	.038	.034	.031	
3.0	.343	.287	.244	.294	.248	.211	.202	.172	.148	.116	.101	.087	.037	.033	.029	
4.0	.335	.275	.229	.287	.238	.199	.198	.166	.140	.114	.097	.083	.037	.032	.027	
5.0	.327	.265	.220	.281	.230	.191	.194	.160	.135	.112	.094	.080	.036	.031	.026	
6.0	.320	.258	.213	.275	.223	.185	.190	.156	.131	.110	.092	.078	.035	.030	.026	
7.0	.313	.251	.208	.269	.218	.181	.186	.153	.128	.108	.090	.076	.035	.029	.025	
8.0	.306	.245	.204	.263	.213	.178	.182	.149	.126	.106	.088	.075	.034	.029	.025	
9.0	.300	.241	.201	.258	.209	.175	.179	.147	.124	.104	.087	.074	.034	.028	.025	
10.0	.294	.237	.198	.253	.205	.173	.176	.145	.123	.103	.085	.073	.033	.028	.024	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

UGR(Unified Glare Rating) Table

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm										
NAME: Marilyn 12W					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: CG LIGHTING					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	10.4	11.7	11.0	12.3	12.9	8.5	9.8	9.1	10.4	11.1
3H	11.8	13.0	12.4	13.6	14.3	10.0	11.2	10.5	11.8	12.5
4H	12.3	13.5	12.9	14.1	14.8	10.7	11.8	11.3	12.5	13.2
6H	12.7	13.7	13.3	14.4	15.1	11.4	12.5	12.1	13.2	13.9
8H	12.7	13.8	13.4	14.4	15.2	11.8	12.9	12.5	13.5	14.3
12H	12.8	13.8	13.4	14.4	15.2	12.3	13.3	12.9	14.0	14.7
4H 2H	10.5	11.7	11.1	12.3	13.0	9.0	10.2	9.6	10.8	11.5
3H	12.0	13.0	12.7	13.7	14.4	10.6	11.6	11.3	12.3	13.1
4H	12.6	13.5	13.3	14.2	15.0	11.5	12.4	12.2	13.1	13.9
6H	13.0	13.9	13.7	14.6	15.4	12.4	13.3	13.1	14.0	14.8
8H	13.1	13.9	13.9	14.6	15.5	12.9	13.7	13.6	14.4	15.3
12H	13.2	13.9	13.9	14.7	15.5	13.5	14.2	14.2	15.0	15.8
8H 4H	12.7	13.5	13.4	14.2	15.0	11.7	12.5	12.4	13.2	14.0
6H	13.2	13.9	14.0	14.6	15.5	12.8	13.5	13.6	14.2	15.1
8H	13.4	14.0	14.2	14.8	15.7	13.5	14.1	14.3	14.9	15.8
12H	13.5	14.1	14.3	14.8	15.7	14.3	14.8	15.1	15.6	16.5
12H 4H	12.7	13.4	13.4	14.1	15.0	11.7	12.4	12.4	13.1	14.0
6H	13.3	13.9	14.0	14.6	15.5	12.9	13.5	13.7	14.3	15.1
8H	13.5	14.0	14.3	14.8	15.7	13.6	14.2	14.4	14.9	15.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.7 / - 0.6					+ 0.2 / - 0.3				
2.0H	+ 1.2 / - 1.1					+ 0.1 / - 0.2				

CIE Pub.117, 1428 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.2)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

UTILIZATION FACTORS TABLE

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marilyn 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

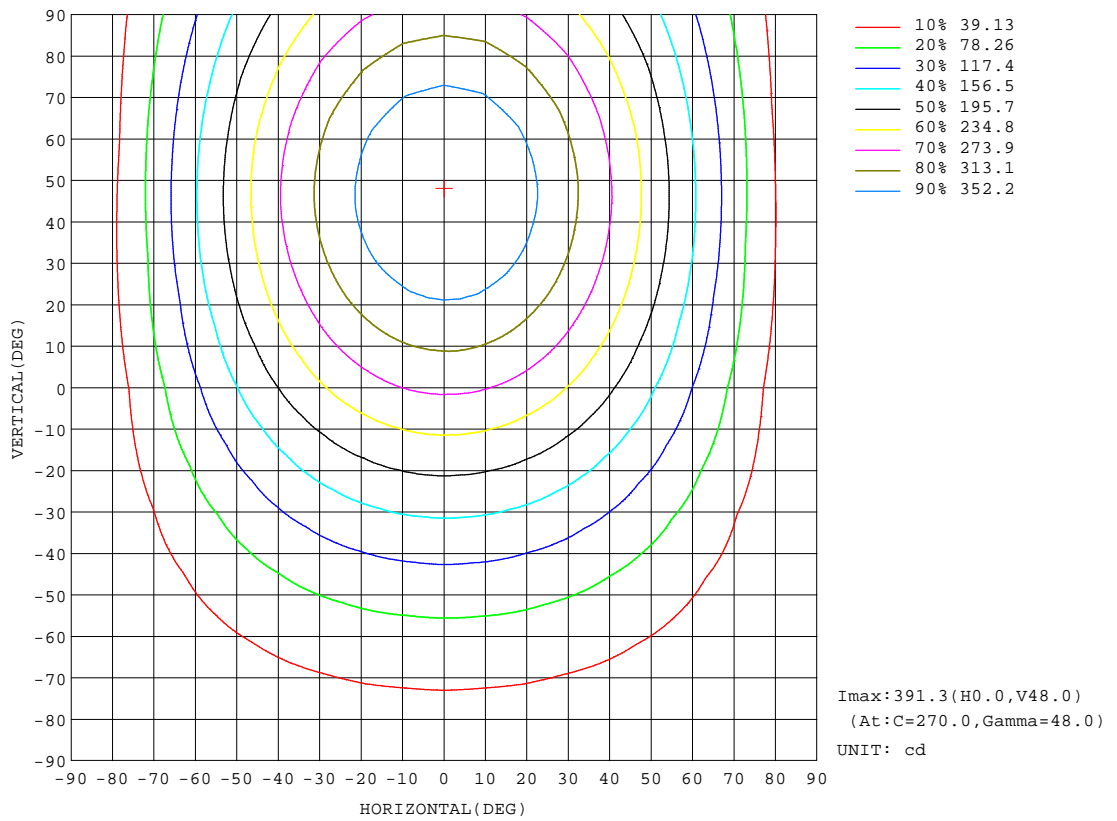
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	34	26	45	33	26	43	32	26	19
0.80	55	42	34	53	41	34	50	40	33	24
1.00	63	50	41	61	49	41	57	49	39	30
1.25	70	57	48	67	55	47	63	53	45	35
1.50	75	62	54	72	61	53	67	57	50	39
2.00	82	71	62	79	69	61	73	64	58	45
2.50	87	76	68	83	74	66	76	69	62	49
3.00	91	81	73	87	78	71	79	72	67	52
4.00	95	87	80	91	84	78	83	77	72	57
5.00	98	91	85	94	88	82	86	81	76	60
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

ISOCANDELA DIAGRAM

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marilyn 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



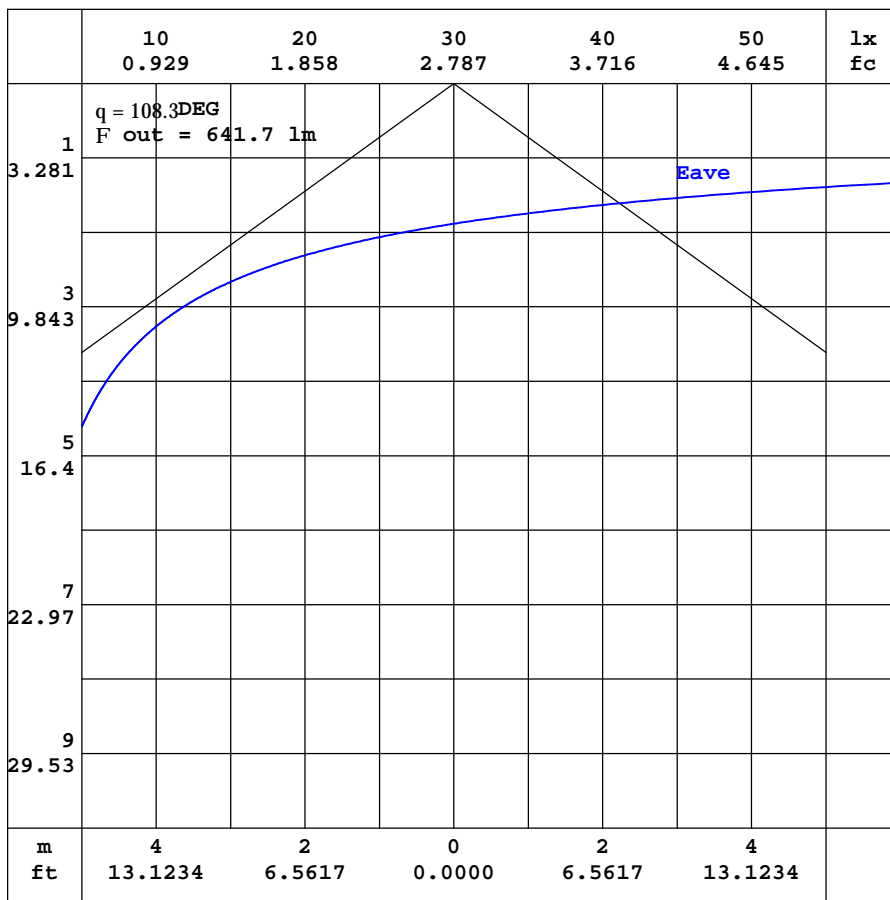
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 05 July 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A



AAI CURVES

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marilyn 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



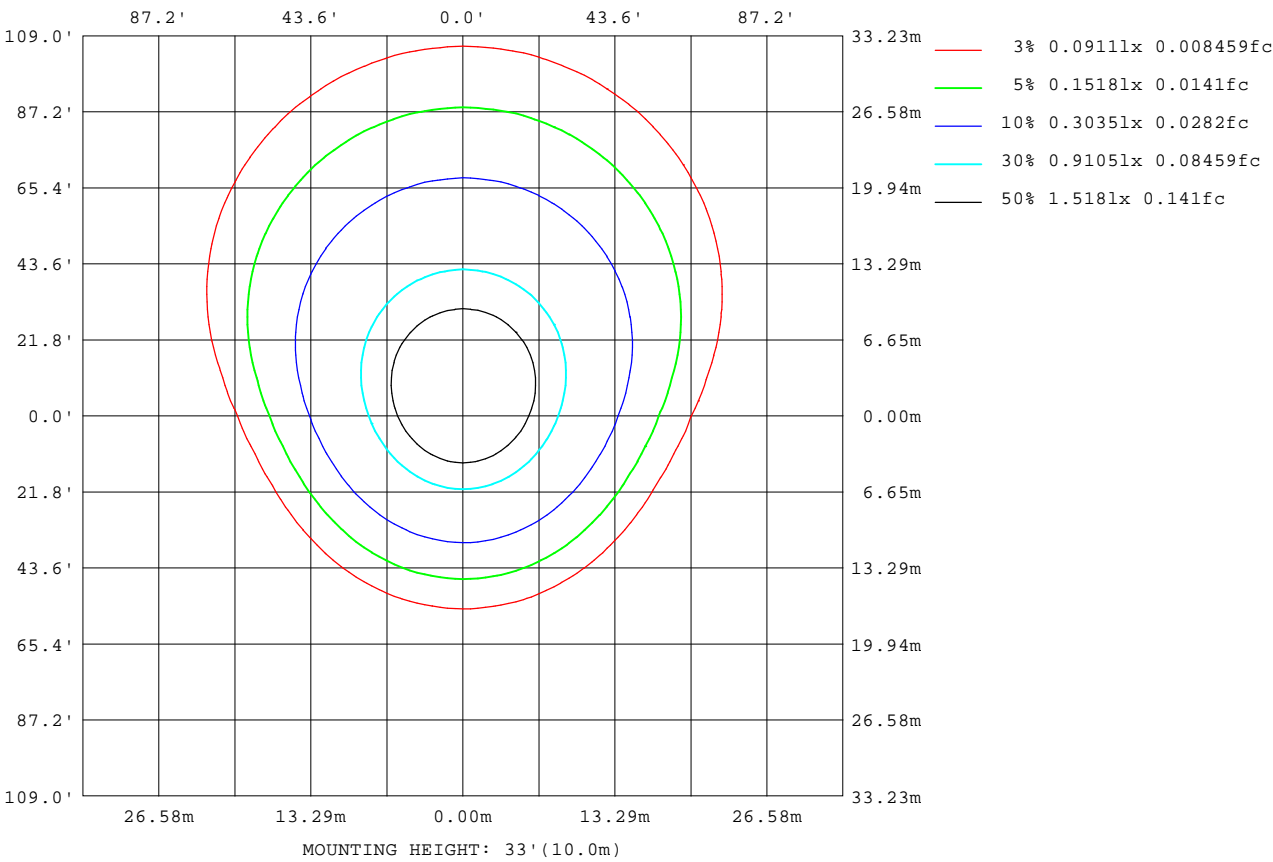
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

**ISOLUX DIAGRAM**

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marilyn 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 05 July 2023

Page Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

LED Avg.L Report

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marylin 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

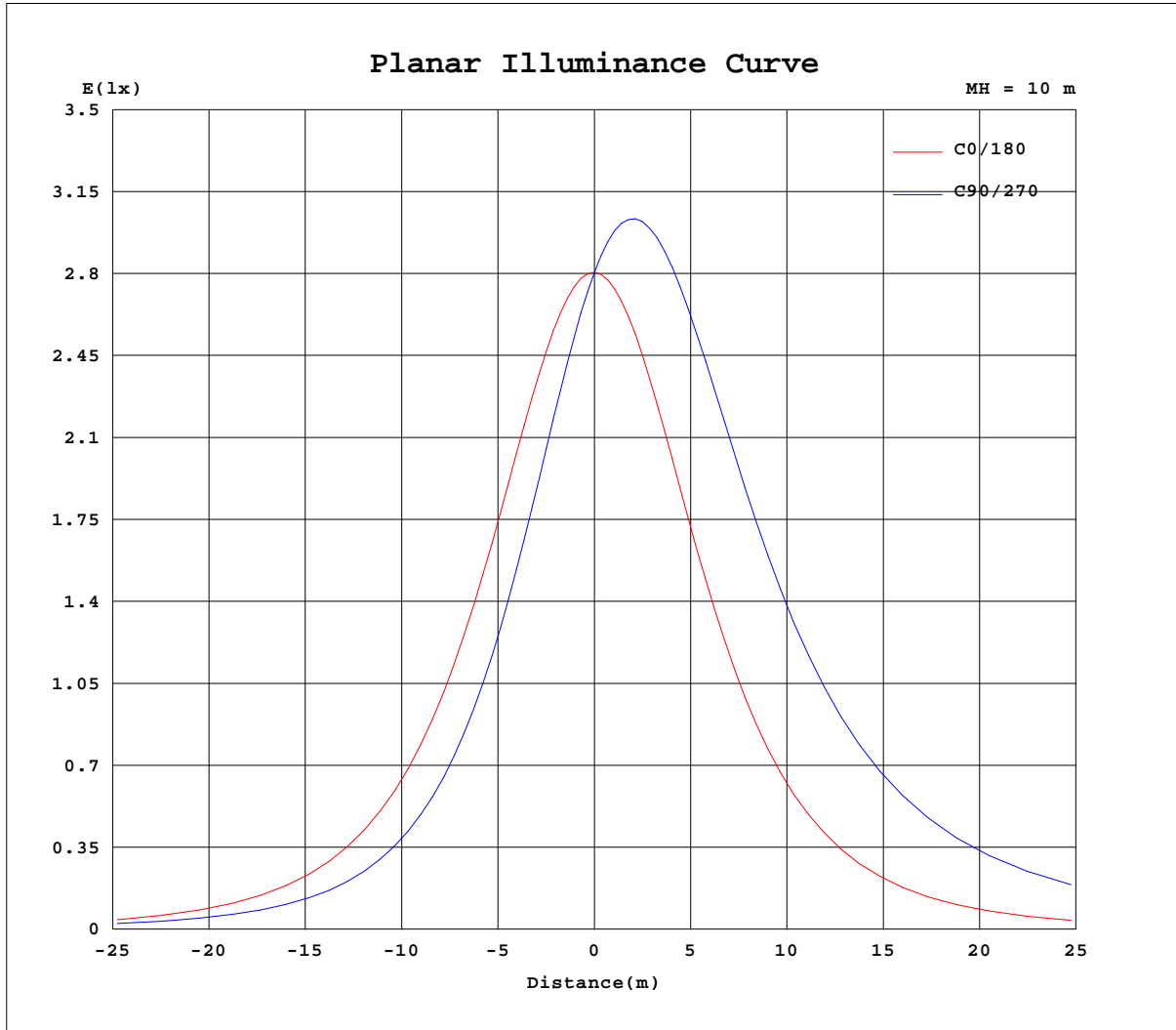
AvgL	cd/m2
L_0~180(65)av	2165
L_0~180(75)av	1779
L_0~180(85)av	1032
L_90~270(65)av	5052
L_90~270(75)av	7377
L_90~270(85)av	19180
L_45(65)av	3846
L_45(75)av	5192
L_45(85)av	12524

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 05 July 2023

Page Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marylin 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	281	281	281	281	280	280	280	280	280	281	281	281	280	281	280	281	281	281	281
5	280	277	275	272	270	268	267	266	265	265	265	266	267	268	270	272	274	277	279
10	276	269	263	257	252	248	245	243	241	241	241	243	244	248	251	256	262	268	274
15	270	261	253	246	239	234	230	227	225	225	225	227	229	233	238	244	251	260	269
20	260	247	236	226	218	212	207	203	201	201	201	203	206	211	217	225	234	245	257
25	250	236	223	212	203	197	191	188	185	185	185	187	190	195	202	210	220	233	247
30	234	217	202	190	180	174	168	165	163	162	162	164	167	172	179	188	199	213	230
35	221	202	187	175	165	158	153	150	148	147	147	149	152	157	163	172	184	199	217
40	200	180	163	151	142	136	131	129	127	126	126	128	130	134	140	149	160	176	196
45	185	164	147	135	127	121	117	115	113	113	113	114	116	120	125	133	144	160	180
50	161	139	122	112	104	100	97.1	95.9	94.6	94.4	93.9	95.0	95.9	98.9	102	109	119	134	156
55	144	121	106	96.6	90.2	87.2	84.7	83.9	82.9	82.6	82.3	83.1	83.7	85.8	88.4	94.2	103	117	139
60	117	95.4	81.6	74.8	70.4	68.8	67.5	67.5	66.7	66.9	66.5	66.9	66.6	67.7	68.8	72.6	78.6	91.5	112
65	98.7	78.1	66.1	61.1	58.2	57.7	57.0	57.5	57.1	57.5	56.9	57.1	56.3	56.7	56.9	59.2	63.4	74.2	93.6
70	71.0	53.0	44.6	42.6	41.8	42.8	43.2	44.1	44.4	44.8	44.3	43.9	42.8	42.1	40.9	41.2	42.5	49.6	66.1
75	52.8	37.4	32.2	32.0	32.5	34.1	35.2	36.6	36.9	37.4	36.9	36.4	35.0	33.7	31.8	30.9	30.5	34.6	48.2
80	27.3	17.9	17.2	19.2	21.1	23.6	25.2	26.8	27.5	28.0	27.5	26.8	25.1	23.4	20.8	18.6	16.2	16.1	23.5
85	13.1	8.74	10.2	12.9	15.3	17.9	19.8	21.5	22.2	22.7	22.3	21.5	19.8	17.8	15.2	12.6	9.67	7.75	10.4
90	1.66	2.54	4.45	6.92	9.22	11.7	13.5	15.2	16.0	16.4	16.0	15.2	13.6	11.8	9.28	6.86	4.31	2.31	1.73
95	1.76	2.00	3.13	4.88	6.80	8.88	10.5	12.0	12.7	13.2	12.8	12.1	10.6	8.97	6.88	4.84	3.03	1.87	1.91
100	2.40	2.19	2.70	3.62	4.96	6.36	7.71	8.79	9.41	9.68	9.40	8.80	7.73	6.42	5.00	3.63	2.64	2.07	2.55
105	2.83	2.38	2.80	3.44	4.47	5.53	6.57	7.46	8.06	8.18	7.97	7.43	6.62	5.56	4.53	3.45	2.74	2.27	2.99
110	3.58	2.64	3.04	3.64	4.19	4.96	5.81	6.31	6.79	6.94	6.70	6.28	5.76	5.02	4.26	3.67	3.05	2.56	3.71
115	4.16	2.84	3.22	3.81	4.30	4.91	5.47	6.02	6.33	6.45	6.24	5.87	5.44	4.91	4.36	3.84	3.22	2.80	4.29
120	5.11	3.11	3.48	4.02	4.47	5.08	5.41	5.83	6.02	6.04	5.86	5.71	5.41	5.08	4.57	4.09	3.52	3.12	5.23
125	5.76	3.29	3.65	4.17	4.60	5.16	5.55	5.88	6.05	6.09	5.89	5.78	5.55	5.18	4.68	4.25	3.71	3.32	5.89
130	6.73	3.66	3.89	4.40	4.79	5.26	5.56	5.89	6.09	6.16	6.03	5.83	5.55	5.30	4.82	4.46	3.98	3.64	6.85
135	7.33	4.40	4.06	4.54	4.87	5.33	5.62	5.89	6.08	6.15	6.03	5.83	5.62	5.37	4.94	4.60	4.13	4.21	7.45
140	7.44	5.30	4.33	4.72	5.07	5.40	5.66	5.88	6.08	6.11	6.03	5.83	5.66	5.43	5.07	4.79	4.35	5.27	7.49
145	7.30	5.94	4.46	4.84	5.08	5.44	5.66	5.81	6.06	6.06	6.01	5.82	5.67	5.43	5.11	4.86	4.48	5.95	7.45
150	7.43	6.76	4.92	4.98	5.19	5.43	5.65	5.78	5.94	6.00	5.96	5.77	5.67	5.43	5.19	4.99	4.84	6.80	7.94
155	7.68	7.14	5.86	5.09	5.25	5.43	5.62	5.69	5.86	5.88	5.91	5.72	5.64	5.44	5.20	5.05	5.74	7.19	8.20
160	8.01	7.61	7.10	6.29	5.30	5.41	5.56	5.55	5.61	5.55	5.63	5.55	5.55	5.40	5.21	5.74	6.93	7.64	8.56
165	8.19	7.87	7.97	7.90	6.44	5.40	5.42	5.41	5.52	5.55	5.55	5.55	5.49	5.40	5.85	6.77	7.53	7.86	8.74
170	10.2	9.81	9.64	9.78	9.67	8.78	7.97	7.32	6.95	6.26	6.32	6.53	6.76	7.17	8.02	8.80	9.25	9.70	10.5
175	11.6	11.3	11.0	10.9	10.7	10.5	10.2	10.1	7.83	7.76	7.76	7.85	8.39	9.44	10.1	10.5	10.7	11.1	11.9
180	11.9	11.9	11.9	11.9	11.9	11.9	11.1	9.04	8.74	8.73	10.1	11.2	11.5	11.6	11.6	11.7	11.6	11.7	11.9

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.70V I:0.0674A P:14.936W PF:0.9606 Freq:49.99Hz Lamp Flux:1427.89x1 lm		
NAME: Marilyn 12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	281	281	281	280	280	280	280	280	281	281	281	280	281	280	281	281	281		
5	282	285	287	289	292	293	295	295	296	296	295	294	292	290	288	285	283		
10	281	288	294	300	306	311	314	316	317	317	315	312	307	302	296	289	282		
15	278	288	297	306	314	321	326	329	331	330	327	322	316	308	299	290	280		
20	270	284	298	311	324	334	342	347	349	348	344	336	326	314	300	287	273		
25	263	280	296	313	328	341	351	358	360	358	353	343	331	316	300	283	266		
30	249	270	291	313	332	349	362	370	374	371	364	351	335	316	295	274	253		
35	238	262	286	311	333	353	368	377	381	378	370	355	336	314	290	266	243		
40	219	247	275	305	331	354	372	384	388	385	375	358	335	309	281	252	224		
45	205	236	267	299	328	353	373	386	391	387	376	357	332	304	272	241	211		
50	183	217	252	288	320	349	371	385	391	387	374	353	325	293	258	223	189		
55	167	203	241	279	313	344	367	383	388	385	370	348	318	284	247	209	173		
60	142	181	222	263	300	333	358	375	381	376	361	337	305	269	228	188	148		
65	125	166	208	251	290	324	350	368	374	370	353	328	295	257	215	173	131		
70	97.7	142	187	231	271	307	335	354	360	355	338	312	277	237	193	149	105		
75	79.7	125	172	217	258	295	323	343	349	344	326	300	264	223	178	132	86.6		
80	53.9	101	149	196	238	275	304	324	330	325	307	280	243	202	155	108	60.6		
85	38.8	85.9	135	182	224	262	290	310	317	312	294	266	229	188	141	92.8	45.1		
90	23.2	67.7	115	162	203	240	269	288	294	289	271	245	208	167	121	73.8	28.2		
95	18.4	58.7	104	149	190	226	253	272	278	274	256	230	194	154	110	64.1	22.3		
100	15.8	48.6	88.5	129	167	201	229	248	254	250	233	208	175	137	94.9	53.7	18.0		
105	15.7	44.6	81.1	120	153	184	210	229	237	233	217	194	162	126	86.8	48.6	17.2		
110	16.3	40.6	72.4	107	139	166	184	200	209	207	193	173	144	111	76.1	42.8	17.6		
115	16.7	38.7	67.4	98.9	128	155	173	183	190	190	177	159	133	102	69.9	40.1	18.0		
120	16.3	36.5	60.8	87.9	114	137	154	163	164	165	154	138	116	89.7	61.9	37.7	17.7		
125	15.5	35.2	56.9	81.2	104	125	141	151	148	149	139	125	106	81.9	57.6	36.3	17.0		
130	13.8	33.6	51.6	71.7	91.1	109	122	131	131	126	119	107	91.0	71.7	52.3	34.3	15.2		
135	12.5	31.8	48.3	65.8	82.8	98.4	110	118	121	114	107	96.1	82.3	65.9	48.9	32.7	13.8		
140	11.8	28.1	43.7	57.7	71.2	83.6	93.0	99.5	101	96.9	91.3	82.3	70.9	57.9	44.0	28.9	11.9		
145	11.0	24.0	40.0	52.6	64.0	74.5	82.4	87.9	89.5	85.3	81.3	73.5	63.9	52.7	40.5	25.8	12.0		
150	9.52	16.2	29.7	42.9	54.1	61.9	67.7	71.8	73.0	69.2	67.0	61.3	53.8	45.1	33.7	20.4	12.2		
155	9.50	12.0	22.6	34.0	44.9	54.3	58.9	62.1	63.0	59.9	58.2	53.7	47.3	38.9	28.4	16.7	12.3		
160	9.47	10.5	14.0	21.3	28.6	37.6	45.7	48.4	49.0	48.4	45.1	41.4	35.4	28.4	19.9	14.5	11.5		
165	9.42	10.2	11.2	14.5	19.4	24.7	32.4	37.6	38.2	37.6	34.7	31.5	26.6	20.8	15.8	13.9	11.2		
170	10.8	11.1	10.9	10.5	11.0	11.3	12.5	16.7	20.3	19.9	17.9	16.6	15.9	15.0	14.1	13.1	11.4		
175	12.1	12.3	12.1	11.6	10.4	10.0	10.2	10.2	14.9	15.0	14.2	14.1	14.0	13.6	13.1	12.5	12.0		
180	11.9	11.9	12.0	11.9	12.0	11.1	8.96	8.76	8.74	10.3	11.2	11.6	11.7	11.7	11.7	11.7	11.7		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:05 July 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SMD BK-CWL013-0350A