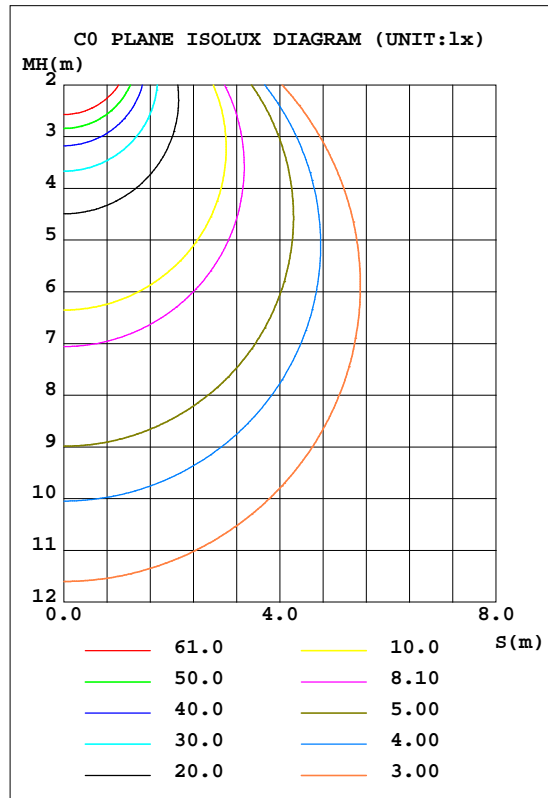
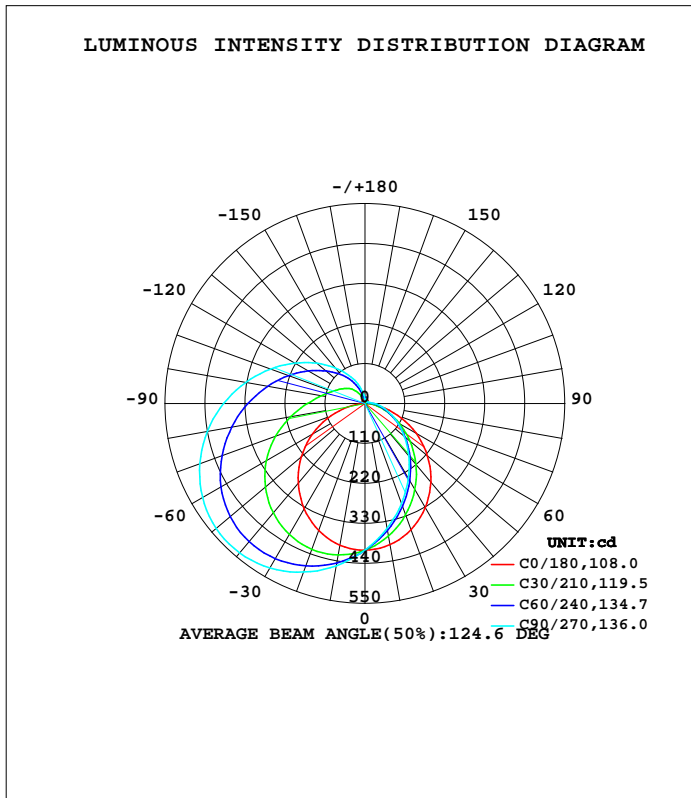


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	1918C3-11P03	Imax(cd)	537.8	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.92
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	1974.3	h UP, DN(C0-180)	1.3, 21.7
NOMINAL FLUX(lm)	1974.31	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	19.8, 57.3
LAMPS INSIDE	1	h up(%)	21.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230.0	h down(%)	78.9	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

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-CWL022-B0600A

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

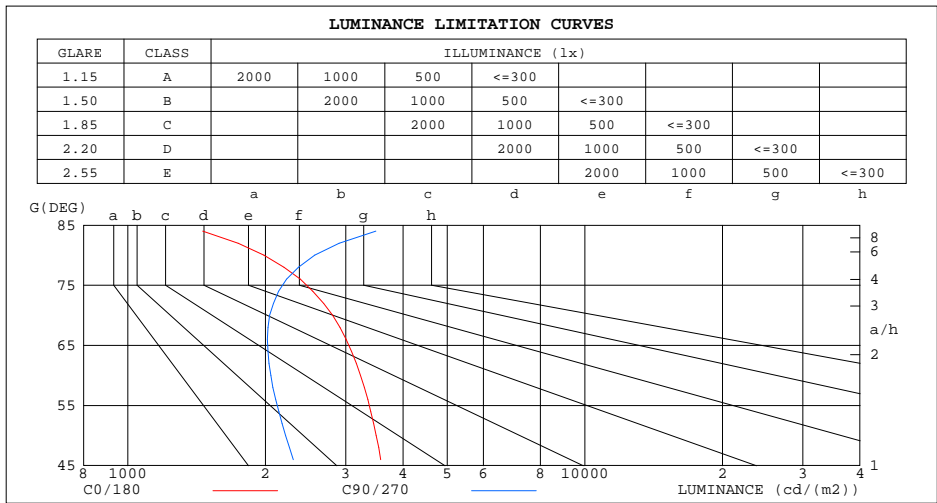
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	394.9	362.1	349.5	362.8	396.0	435.3	453.4	434.2	0- 10	38.29	38.29	1.94,1.94
20	370.2	312.1	293.5	313.5	372.4	454.1	493.4	452.4	10- 20	110.7	149.0	7.55,7.55
30	331.6	258.0	239.2	259.6	334.6	458.5	522.5	455.8	20- 30	171.2	320.2	16.2,16.2
40	282.1	202.9	188.2	204.7	285.7	448.6	536.7	445.3	30- 40	214.0	534.2	27.1,27.1
50	224.7	150.6	142.4	152.5	228.7	425.9	534.6	421.9	40- 50	235.9	770.2	39,39
60	161.6	103.5	102.8	105.1	165.8	391.2	515.8	386.5	50- 60	236.4	1007	51,51
70	95.98	64.16	69.94	65.31	99.99	346.3	483.4	341.4	60- 70	217.6	1224	62,62
80	34.47	34.99	44.56	35.64	37.66	296.5	440.1	292.0	70- 80	185.3	1410	71.4,71.4
90	2.169	16.97	26.45	17.19	2.398	247.9	389.0	243.4	80- 90	148.9	1558	78.9,78.9
100	3.170	8.885	15.34	8.856	3.491	203.5	333.6	199.5	90-100	118.7	1677	84.9,84.9
110	5.124	6.845	10.09	6.749	5.535	165.2	277.4	162.0	100-110	94.16	1771	89.7,89.7
120	7.558	6.568	8.438	6.447	8.058	131.8	222.6	130.1	110-120	72.46	1844	93.4,93.4
130	9.175	6.978	7.907	6.808	9.716	104.0	172.6	102.9	120-130	53.09	1897	96.1,96.1
140	9.928	7.280	7.907	7.085	10.44	77.90	128.2	79.82	130-140	36.39	1933	97.9,97.9
150	10.88	7.542	7.907	7.299	11.24	51.07	90.40	59.36	140-150	22.49	1956	99.1,99.1
160	13.16	7.902	7.664	7.687	13.36	24.53	57.71	35.55	150-160	11.98	1968	99.7,99.7
170	16.59	10.66	7.519	9.622	16.59	18.26	27.14	23.24	160-170	5.086	1973	99.9,99.9
180	17.83	17.80	12.47	17.63	17.84	17.83	12.51	17.69	170-180	1.559	1974	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:28 September 2021

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-CWL022-B0600A

LUMINANCE LIMITATION CURVES

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG)	C0/180	C90/270
85	1749	4187
80	1985	2566
75	2707	2276
70	2806	2045
65	3204	2102
60	3232	2055
55	3485	2193
50	3496	2216
45	3677	2394

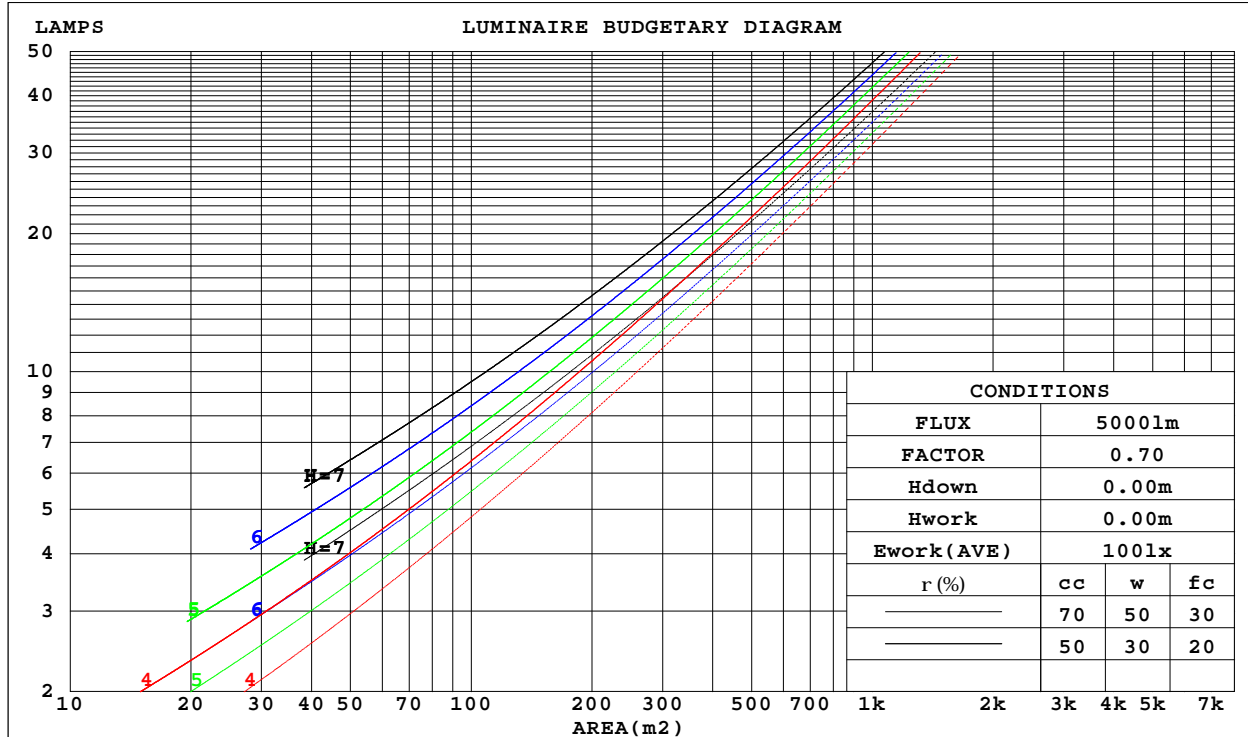
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

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-CWL022-B0600A

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31lx1 lm		
NAME: Marilyn 18W switchable CCT	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	.91	.91	.91	.83	.83	.83	.79
1.0	.95	.90	.85	.90	.86	.81	.82	.78	.75	.75	.72	.69	.68	.65	.63	.59
2.0	.81	.73	.67	.77	.70	.64	.70	.64	.59	.64	.59	.55	.58	.54	.51	.47
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.49	.55	.50	.45	.50	.46	.42	.39
4.0	.62	.52	.45	.59	.50	.44	.54	.46	.41	.49	.43	.38	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.44	.37	.48	.40	.35	.44	.37	.32	.40	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.36	.30	.26	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.36	.29	.25	.32	.27	.23	.21
8.0	.40	.31	.25	.38	.30	.25	.35	.28	.23	.32	.26	.22	.30	.24	.21	.18
9.0	.37	.28	.23	.35	.27	.22	.32	.26	.21	.30	.24	.20	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.28	.22	.18	.25	.20	.17	.15



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

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-CWL022-B0600A

WEC AND CCEC

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	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	.386	.219	.069	.372	.212	.067	.346	.199	.063	.323	.186	.060	.301	.175	.056	
2.0	.333	.182	.056	.321	.177	.054	.298	.165	.051	.276	.155	.048	.256	.145	.046	
3.0	.295	.157	.047	.284	.152	.046	.263	.143	.043	.244	.134	.041	.226	.125	.039	
4.0	.266	.138	.041	.256	.134	.040	.237	.126	.037	.219	.118	.035	.203	.110	.034	
5.0	.242	.123	.036	.232	.119	.035	.215	.112	.033	.199	.105	.031	.184	.098	.030	
6.0	.221	.111	.032	.213	.108	.031	.197	.101	.029	.182	.095	.028	.168	.089	.026	
7.0	.204	.101	.029	.196	.098	.028	.182	.092	.026	.168	.086	.025	.156	.081	.024	
8.0	.189	.092	.026	.182	.090	.025	.169	.084	.024	.156	.079	.023	.144	.074	.022	
9.0	.176	.085	.024	.170	.083	.023	.158	.078	.022	.146	.073	.021	.135	.069	.020	
10.0	.165	.079	.022	.159	.077	.021	.148	.072	.020	.137	.068	.019	.127	.064	.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	.351	.351	.351	.300	.300	.300	.205	.205	.205	.118	.118	.118	.038	.038	.038	
1.0	.347	.317	.290	.297	.272	.250	.203	.187	.173	.117	.108	.100	.037	.035	.032	
2.0	.341	.295	.256	.292	.254	.221	.200	.175	.154	.115	.102	.090	.037	.033	.029	
3.0	.333	.278	.234	.286	.240	.203	.196	.167	.143	.113	.097	.084	.036	.032	.028	
4.0	.325	.266	.220	.279	.230	.191	.192	.160	.135	.111	.094	.080	.036	.031	.026	
5.0	.318	.256	.211	.273	.222	.183	.188	.155	.129	.109	.091	.077	.035	.030	.025	
6.0	.310	.248	.204	.267	.215	.177	.184	.150	.125	.107	.089	.075	.034	.029	.025	
7.0	.303	.242	.198	.261	.210	.173	.180	.147	.123	.105	.087	.073	.034	.028	.024	
8.0	.297	.236	.195	.255	.205	.170	.177	.144	.120	.103	.085	.072	.033	.028	.024	
9.0	.290	.231	.192	.250	.201	.167	.173	.141	.119	.101	.083	.071	.033	.027	.023	
10.0	.285	.227	.189	.245	.197	.165	.170	.139	.117	.099	.082	.070	.032	.027	.023	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

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-CWL022-B0600A

UGR(Unified Glare Rating) Table

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm										
NAME: Marilyn 18W switchable CCT					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	10.6	12.0	11.2	12.5	13.1	9.1	10.5	9.7	11.0	11.6
3H	12.0	13.2	12.5	13.8	14.4	10.7	11.9	11.2	12.5	13.1
4H	12.4	13.6	13.0	14.2	14.9	11.4	12.6	12.0	13.2	13.9
6H	12.7	13.8	13.3	14.5	15.2	12.2	13.3	12.9	14.0	14.7
8H	12.8	13.9	13.4	14.5	15.2	12.7	13.7	13.3	14.4	15.1
12H	12.8	13.8	13.4	14.5	15.2	13.2	14.2	13.8	14.8	15.6
4H 2H	10.8	12.0	11.4	12.6	13.3	9.6	10.8	10.2	11.4	12.1
3H	12.3	13.3	12.9	13.9	14.7	11.3	12.4	12.0	13.0	13.7
4H	12.8	13.8	13.5	14.4	15.2	12.3	13.2	12.9	13.9	14.6
6H	13.2	14.0	13.9	14.7	15.5	13.2	14.1	13.9	14.8	15.6
8H	13.3	14.1	14.0	14.8	15.6	13.8	14.6	14.5	15.3	16.1
12H	13.3	14.1	14.0	14.8	15.6	14.4	15.1	15.1	15.8	16.7
8H 4H	13.0	13.7	13.7	14.4	15.3	12.5	13.3	13.2	14.0	14.8
6H	13.5	14.1	14.2	14.9	15.7	13.7	14.3	14.4	15.1	15.9
8H	13.7	14.3	14.4	15.0	15.9	14.4	15.0	15.1	15.7	16.6
12H	13.8	14.3	14.5	15.0	15.9	15.2	15.8	16.0	16.5	17.4
12H 4H	13.0	13.7	13.7	14.4	15.3	12.5	13.2	13.2	13.9	14.7
6H	13.6	14.2	14.3	14.9	15.8	13.7	14.3	14.5	15.1	16.0
8H	13.8	14.3	14.6	15.1	16.0	14.5	15.1	15.3	15.8	16.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.6 / - 0.5					+ 0.2 / - 0.3				
2.0H	+ 1.1 / - 1.0					+ 0.1 / - 0.2				

CIE Pub.117, 1974 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.4)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

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-CWL022-B0600A

UTILIZATION FACTORS TABLE

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

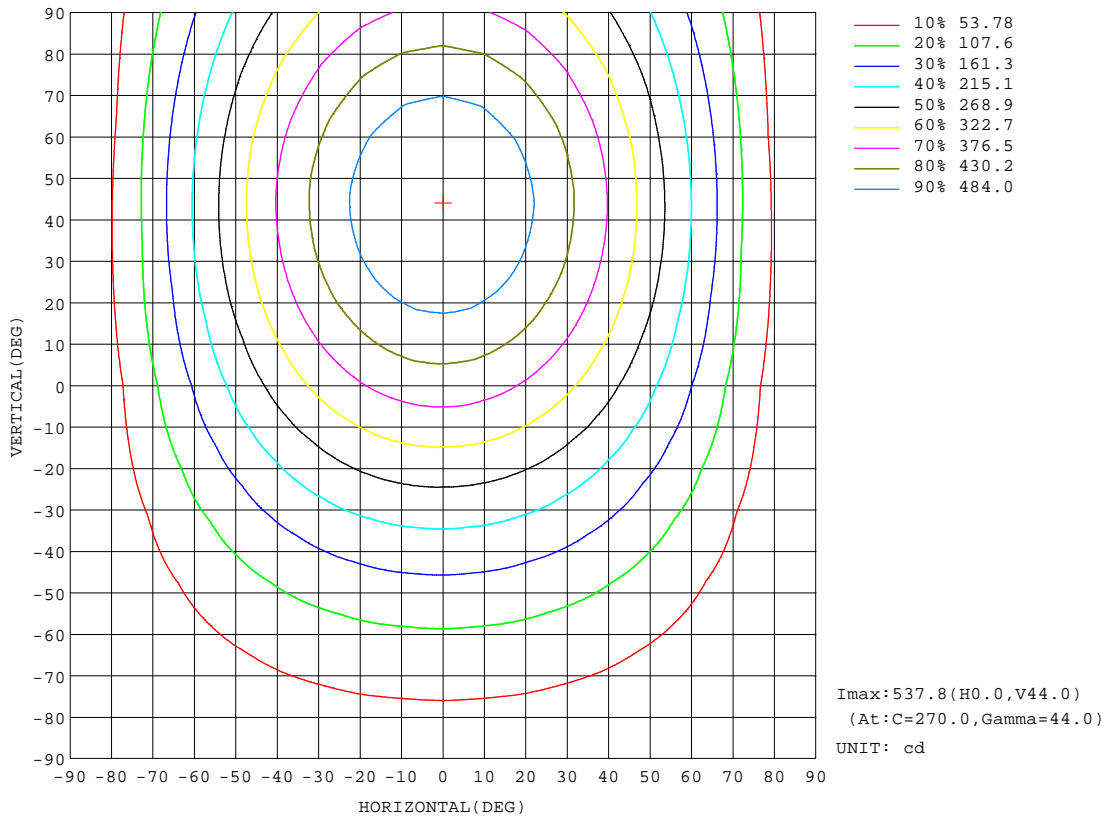
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	47	34	27	46	34	27	43	33	26	19
0.80	56	43	35	54	42	34	51	40	33	25
1.00	64	50	42	61	49	41	58	50	40	31
1.25	70	58	49	68	56	48	63	53	46	36
1.50	76	63	55	73	61	53	67	58	51	40
2.00	83	72	63	80	69	62	73	65	59	46
2.50	87	77	69	84	74	67	77	69	63	50
3.00	91	82	74	87	79	72	80	73	68	54
4.00	96	88	81	92	85	78	84	78	73	58
5.00	99	92	86	95	88	83	87	82	77	61
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:28 September 2021

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-CWL022-B0600A

ISOCANDELA DIAGRAM

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.3lx1 lm		
NAME: Marilyn 18W switchable CCT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



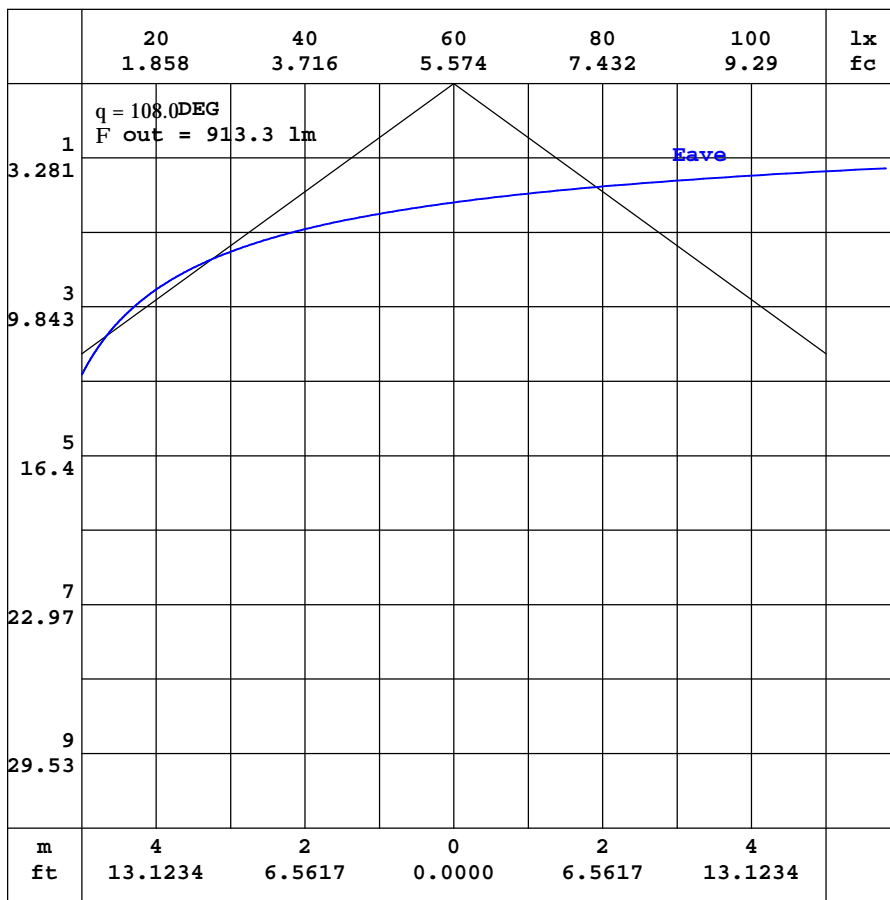
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 28 September 2021

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-CWL022-B0600A



AAI CURVES

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



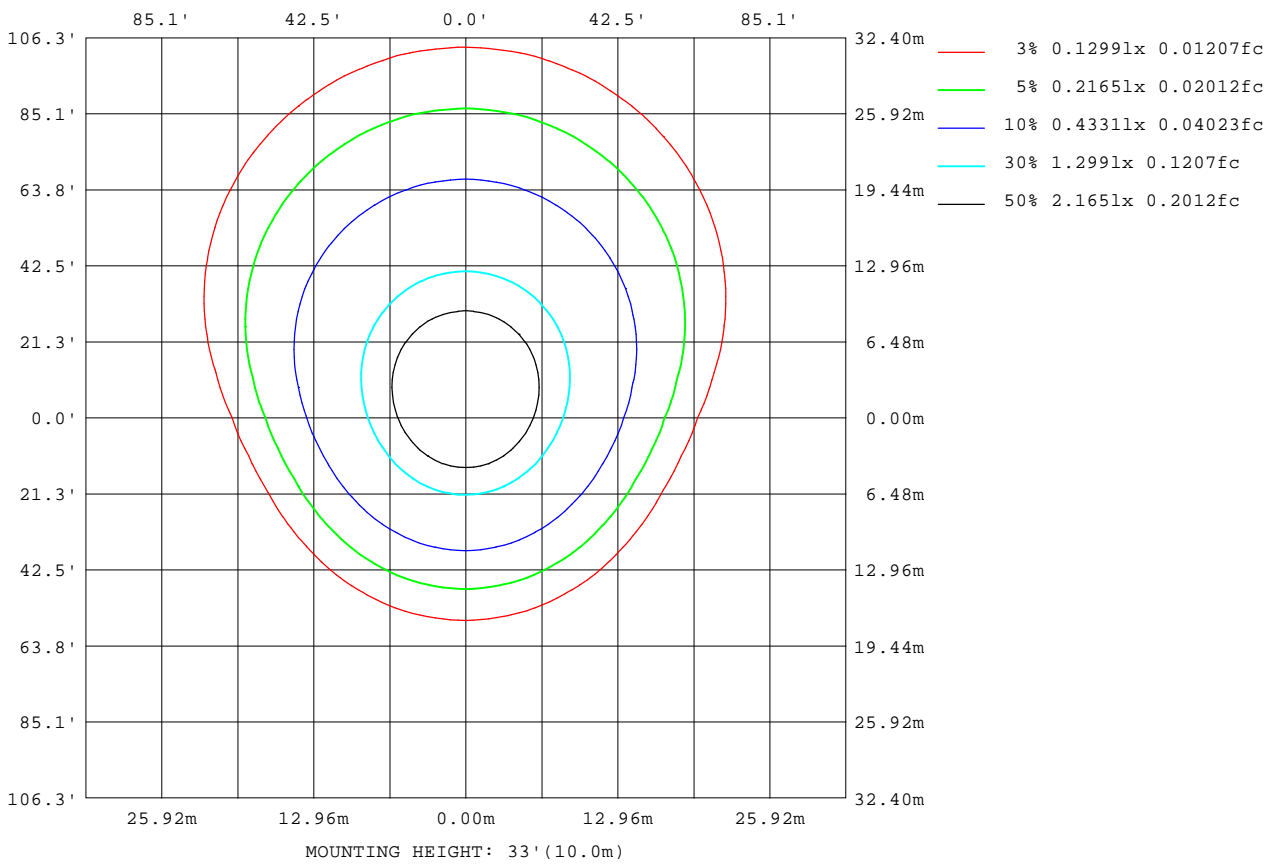
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

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-CWL022-B0600A

**ISOLUX DIAGRAM**

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	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: 28 September 2021

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-CWL022-B0600A

LED Avg.L Report

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

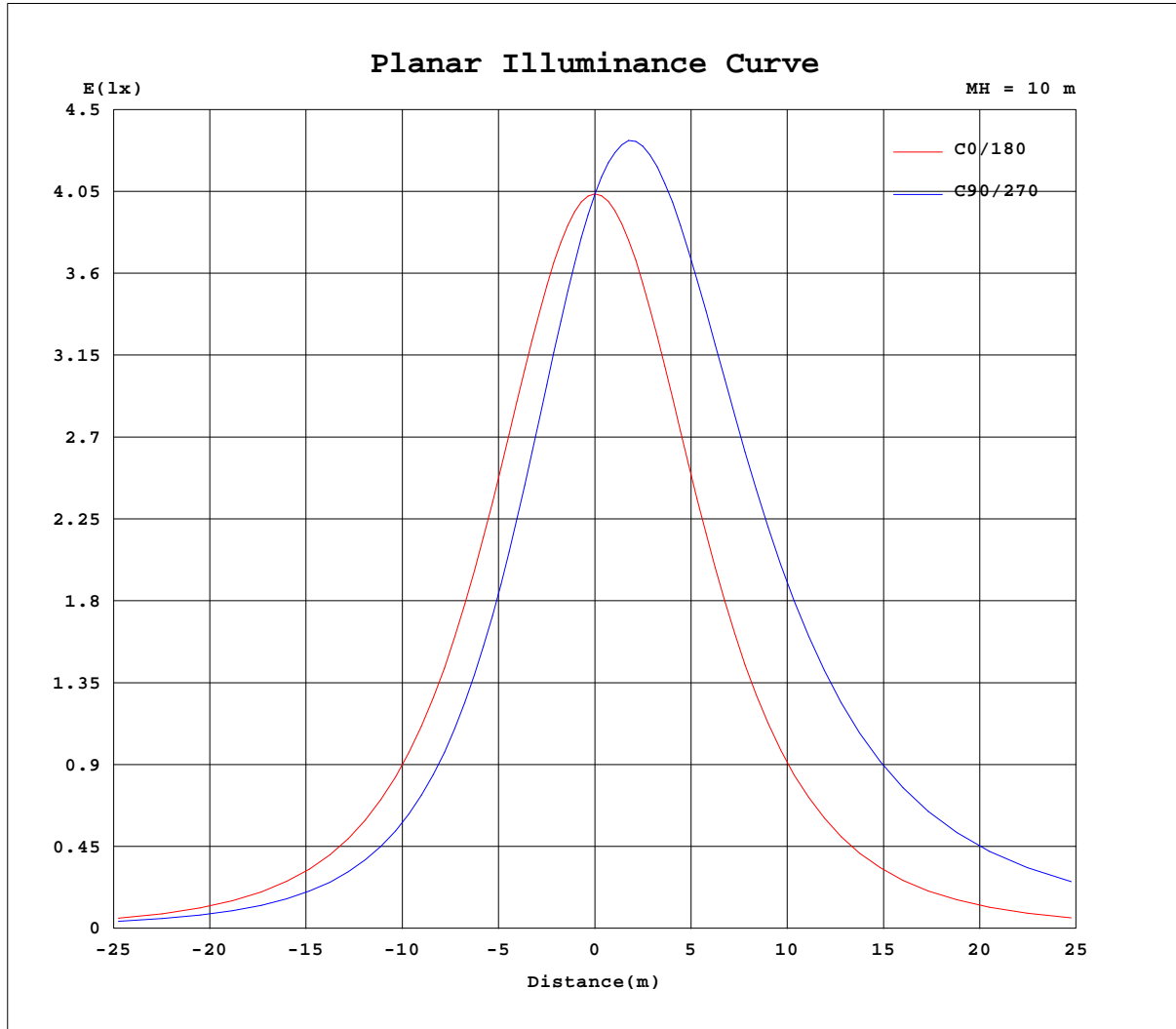
AvgL	cd/m2
L_0~180(65)av	3097
L_0~180(75)av	2538
L_0~180(85)av	1442
L_90~270(65)av	6938
L_90~270(75)av	10027
L_90~270(85)av	25808
L_45(65)av	5341
L_45(75)av	7124
L_45(85)av	16941

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

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-CWL022-B0600A

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 28 September 2021

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-CWL022-B0600A

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	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	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404
5	402	399	395	392	390	387	385	384	383	382	383	384	386	387	390	393	396	399	403
10	395	386	378	371	365	359	355	352	350	350	351	352	356	360	366	372	379	388	396
15	387	375	364	354	346	339	334	330	328	327	328	331	335	340	347	356	365	377	388
20	370	354	339	326	316	308	302	297	295	294	295	298	303	309	318	328	341	356	372
25	356	337	320	306	295	286	280	275	272	272	273	276	281	288	297	308	322	340	359
30	332	309	289	274	263	253	247	242	240	239	241	243	248	255	264	277	292	312	335
35	313	289	268	252	240	231	225	221	218	218	219	222	226	233	242	255	270	292	316
40	282	255	234	218	207	199	193	190	188	188	189	191	195	201	209	221	236	259	286
45	260	233	210	196	185	178	173	171	169	169	169	172	174	180	187	198	213	236	264
50	225	196	175	162	153	148	145	143	142	142	143	144	146	150	155	165	178	199	229
55	200	171	151	140	133	129	127	126	125	126	126	127	128	131	135	143	154	175	204
60	162	134	117	109	104	103	102	102	102	103	102	103	103	104	106	111	119	137	166
65	135	109	94.7	89.4	86.6	86.9	86.8	88.1	88.0	88.8	88.3	88.5	87.7	88.2	88.2	91.5	97.1	112	140
70	96.0	73.6	64.4	63.0	63.1	65.2	66.7	68.5	69.1	69.9	69.4	69.0	67.4	66.2	64.4	64.6	66.4	76.3	100.0
75	70.1	51.8	46.6	47.8	49.6	52.7	54.9	57.2	58.1	58.9	58.2	57.6	55.5	53.6	50.6	49.1	48.3	54.2	73.9
80	34.5	24.8	25.4	29.4	32.9	37.1	39.9	42.5	43.7	44.6	44.0	42.9	40.3	37.7	33.6	30.2	26.3	26.1	37.7
85	15.2	12.3	15.4	20.1	24.3	28.6	31.7	34.4	35.6	36.5	35.8	34.7	32.1	29.1	24.8	20.7	15.9	12.9	17.8
90	2.17	3.85	6.99	11.0	15.0	18.9	21.9	24.4	25.7	26.5	25.8	24.7	22.1	19.2	15.2	11.2	7.00	3.64	2.40
95	2.44	3.02	4.85	7.78	11.0	14.4	17.1	19.3	20.6	21.2	20.7	19.5	17.3	14.5	11.1	7.72	4.62	2.62	2.72
100	3.17	3.21	4.12	5.63	7.71	10.1	12.1	13.9	14.8	15.3	14.8	13.9	12.1	10.1	7.65	5.43	3.82	2.83	3.49
105	3.86	3.47	4.04	5.21	6.77	8.47	10.1	11.4	12.2	12.6	12.3	11.5	10.1	8.44	6.69	5.04	3.79	3.12	4.23
110	5.12	3.87	4.39	5.13	6.28	7.41	8.54	9.31	9.90	10.1	9.92	9.32	8.47	7.32	6.18	4.95	4.18	3.55	5.53
115	6.05	4.12	4.65	5.36	6.08	7.07	8.06	8.63	9.09	9.20	9.10	8.61	7.98	7.00	5.98	5.19	4.45	3.84	6.54
120	7.56	4.51	5.04	5.69	6.25	6.88	7.50	7.98	8.36	8.44	8.39	7.96	7.41	6.77	6.12	5.54	4.86	4.27	8.06
125	8.44	4.77	5.29	5.91	6.45	7.03	7.38	7.69	7.92	7.99	7.95	7.66	7.30	6.91	6.28	5.75	5.09	4.56	9.03
130	9.17	5.18	5.64	6.23	6.71	7.24	7.54	7.80	7.85	7.91	7.91	7.75	7.43	7.08	6.54	6.06	5.44	4.96	9.72
135	9.54	5.44	5.87	6.44	6.85	7.34	7.59	7.86	7.88	7.91	7.92	7.80	7.52	7.18	6.70	6.25	5.66	5.22	10.1
140	9.93	6.09	6.23	6.75	7.07	7.49	7.68	7.86	7.88	7.91	7.93	7.85	7.60	7.32	6.85	6.49	5.97	5.87	10.4
145	10.1	7.13	6.46	6.92	7.21	7.58	7.71	7.84	7.88	7.91	7.93	7.81	7.62	7.38	6.95	6.62	6.14	6.89	10.7
150	10.9	8.70	6.72	7.16	7.40	7.69	7.76	7.79	7.87	7.91	7.88	7.74	7.66	7.53	7.07	6.82	6.40	8.37	11.2
155	11.3	9.72	6.94	7.30	7.53	7.77	7.77	7.77	7.83	7.77	7.81	7.69	7.66	7.78	7.15	6.92	6.56	9.33	11.7
160	13.2	12.2	9.44	7.51	7.66	8.14	8.22	7.72	7.75	7.66	7.72	7.68	7.63	8.16	7.21	7.04	8.49	11.5	13.4
165	14.5	13.8	11.6	8.61	7.76	8.75	9.10	7.67	7.66	7.58	7.68	7.68	7.59	8.41	7.26	7.81	10.6	13.3	14.7
170	16.6	16.1	15.3	13.6	11.7	9.67	10.4	7.64	7.53	7.52	7.57	7.54	7.66	8.79	10.5	12.4	14.4	15.5	16.6
175	17.7	17.3	16.9	16.5	15.5	14.5	13.5	12.6	10.9	9.77	9.83	10.8	12.2	13.4	14.6	15.8	16.3	16.9	17.7
180	17.8	17.8	17.8	17.8	17.8	17.8	17.0	15.4	12.4	12.5	16.5	17.7	17.6	17.7	17.6	17.6	17.6	17.6	17.8

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

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-CWL022-B0600A

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.57V I:0.0922A P:20.661W PF:0.9719 Freq:49.99Hz Lamp Flux:1974.31x1 lm		
NAME: Marilyn 18W switchable CCT	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	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404		
5	407	410	413	417	419	422	423	424	424	424	423	421	419	417	413	409	406		
10	405	414	423	432	439	445	450	452	453	452	450	444	437	431	422	413	404		
15	401	414	426	439	450	458	466	469	471	468	465	458	449	438	425	412	399		
20	390	408	427	446	462	475	486	491	493	491	485	474	461	444	425	407	388		
25	379	402	425	448	467	484	497	504	507	503	496	482	466	445	422	400	377		
30	360	388	417	446	471	493	509	519	523	519	508	491	469	442	414	385	357		
35	344	376	409	441	471	496	515	526	530	525	513	494	469	438	405	373	341		
40	318	355	393	431	466	496	518	532	537	532	517	493	463	428	389	351	314		
45	298	338	380	422	460	493	518	533	538	532	516	490	457	418	376	335	294		
50	266	311	358	404	447	484	512	529	535	528	510	481	444	400	354	307	262		
55	243	291	341	391	436	475	505	523	529	522	502	472	432	386	336	287	239		
60	207	260	313	367	415	458	489	510	516	508	487	454	411	362	309	255	203		
65	182	237	293	349	400	443	477	498	504	497	474	439	395	344	288	233	178		
70	144	203	262	320	373	418	454	477	483	475	451	415	368	315	256	198	139		
75	118	179	239	300	354	400	437	460	467	459	434	397	349	294	234	174	114		
80	80.8	144	207	269	324	372	409	432	440	431	406	368	320	264	202	139	76.6		
85	59.0	122	187	249	305	352	389	412	420	411	387	349	300	244	182	118	55.1		
90	35.4	95.7	159	220	276	323	359	382	389	380	356	319	271	216	154	91.8	32.6		
95	27.4	82.3	143	202	256	302	338	360	367	359	335	299	252	198	139	79.0	25.3		
100	22.8	68.3	123	179	228	273	306	327	334	326	303	269	225	174	119	65.4	21.2		
105	21.9	61.7	112	164	211	253	285	305	311	304	283	250	207	160	108	59.2	20.5		
110	21.6	54.8	97.7	144	187	225	254	272	277	270	252	222	183	141	94.9	52.7	20.6		
115	21.6	51.0	89.4	131	171	207	233	250	255	249	231	204	168	129	87.4	49.6	20.4		
120	20.4	47.3	79.5	115	149	180	203	219	223	218	202	178	147	113	77.6	45.8	19.0		
125	19.1	45.1	73.6	105	136	163	185	198	202	198	183	162	134	104	71.9	43.7	17.7		
130	17.7	41.8	65.6	91.0	117	140	158	170	173	169	157	139	116	90.2	64.2	40.4	16.7		
135	16.8	37.7	60.5	82.1	105	125	141	152	154	151	140	125	104	82.2	59.6	37.4	17.1		
140	15.4	29.0	49.4	68.5	87.3	105	117	126	128	126	117	105	88.6	71.0	52.7	31.8	17.6		
145	14.6	23.3	41.5	58.6	75.3	91.4	103	111	112	110	103	92.7	78.9	64.3	47.1	27.7	17.9		
150	13.5	17.4	29.8	44.3	57.9	71.8	83.3	89.3	90.4	88.8	83.5	75.9	65.7	53.0	37.7	24.0	18.1		
155	13.3	15.9	22.1	34.5	46.0	57.6	69.8	76.4	77.3	76.1	71.9	65.4	56.0	44.5	30.9	23.0	18.0		
160	14.6	16.0	17.1	20.6	28.4	37.2	46.6	56.2	57.7	56.7	53.1	47.7	40.1	31.0	25.6	21.6	17.7		
165	15.8	17.0	17.9	18.0	18.9	23.9	30.7	41.4	43.4	42.5	39.7	35.2	29.7	26.6	23.7	20.7	17.5		
170	17.3	18.2	18.6	18.7	17.8	16.2	16.7	19.7	27.1	26.9	26.3	25.2	24.0	22.5	21.0	19.5	17.8		
175	18.0	18.5	18.7	18.7	18.1	16.4	14.6	14.6	22.1	22.4	22.1	21.6	21.0	20.3	19.6	18.7	18.1		
180	17.8	17.8	17.9	17.8	17.8	17.0	15.3	12.5	12.5	16.6	17.8	17.7	17.7	17.7	17.7	17.6	17.6		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 September 2021

g Range: 0 - 180DEG  
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 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
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