



RBW Studio LLC  
Catalog Number  
DP-S2-27-120-TR-IPXX

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Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.4 °C	120.0 VAC	0.06875 A	7.303 W	0.885	60 Hz	52.4 %

Summary of Results

Total Lumen Output	122 Lumens
Luminaire Efficacy	16.9 lm/w
Maximum Candela	20 Candela
CCT	2585 K
CRI	97.4
Duv	-0.0028
TM-30 Rf	95.4
TM-30 Rg	102.6

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	8	6.6%
0-40	15	11.8%
0-60	32	26.0%
0-90	64	51.7%
40-90	49	39.9%
60-90	32	25.7%
90-180	60	48.3%
0-180	124	100.0%

Spacing Criteria

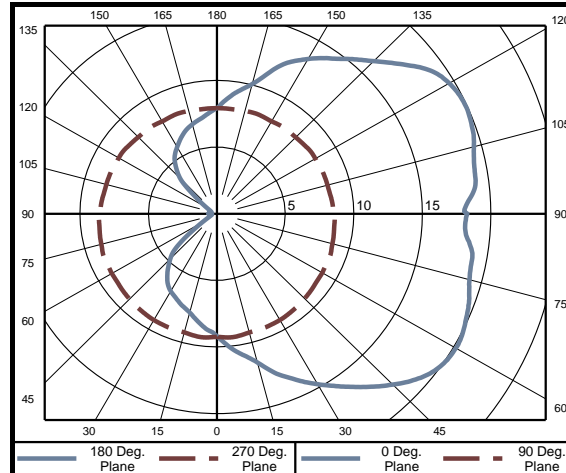
0-180	2.55
90-270	1.10

Average Luminance cd/m<sup>2</sup>

Vertical Angle	Horizontal Angle 0°
0	1145
45	1060
55	1120
65	1110
75	1083
85	1092

Cone of Light Tabulation

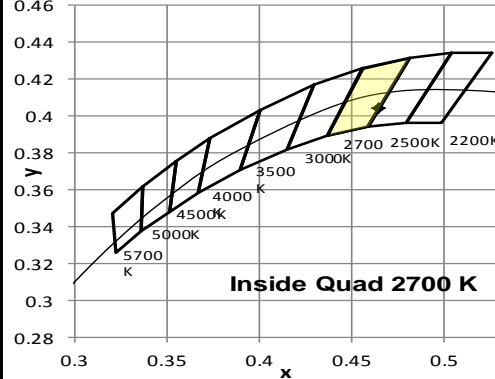
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	0.577	6.78
6.00	0.256	10.2
8.00	0.144	13.6
10.0	0.0923	16.9
12.0	0.0641	20.3
14.0	0.0471	23.7
16.0	0.0361	27.1



Intensity (Candlepower) Summary

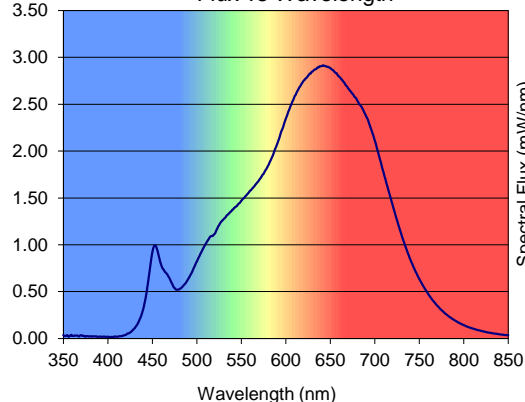
Angle	Mean CP	Lumens
0	9	
5	9	1
10	9	
15	9	3
20	10	
25	10	5
30	10	
35	10	6
40	10	
45	10	8
50	11	
55	10	9
60	10	
65	10	10
70	10	
75	10	11
80	10	
85	10	11
90	10	

Nominal CCT Quadrangles



Inside Quad 2700 K

Flux vs Wavelength



Color Rendering Index Details

Ra (CRI)	97.4
R1	98.5
R2	98.3
R3	98.8
R4	98.2
R5	98.5
R6	95.6
R7	96.3
R8	95.3
R9	91
R10	97.8
R11	95.3
R12	89.6
R13	97.9
R14	98.7

Chromaticity Coordinates

Chromaticity (x)	0.4646
Chromaticity (y)	0.4043
Chromaticity (u)	0.2684
Chromaticity (v)	0.3504
Chromaticity (u')	0.2684
Chromaticity (v')	0.5256
Duv	-0.0028

Testing was performed in accordance with LM-79-08  
The results contained in this summary pertain only to report #13066746.02