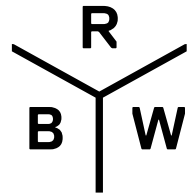




RBW Studio LLC
Catalog Number
SP-20W (Optic 35deg)



RBW.COM

Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.1050 A	12.46 W	0.989	60 Hz	12.5 %

Summary of Results

Total Lumen Output	909.2 Lumens
Luminaire Efficacy	73 lm/w
Maximum Candela	1744 Candela
CCT	2738 K
CRI	90.9
Duv	0.0005
TM-30 Rf	90.0
TM-30 Rg	101.0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	797	85.5%
0-40	882	94.7%
0-60	928	99.6%
0-90	931	100.0%
40-90	49	5.3%
60-90	4	0.4%
90-180	0	0.0%
0-180	931	100.0%

Spacing Criteria

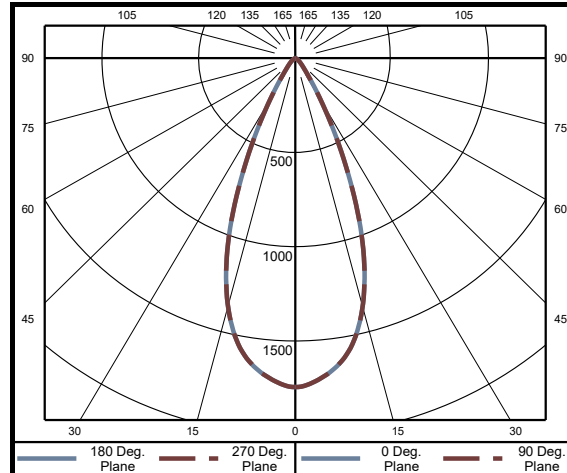
0-180	0.71
90-270	0.71

Average Luminance cd/m²

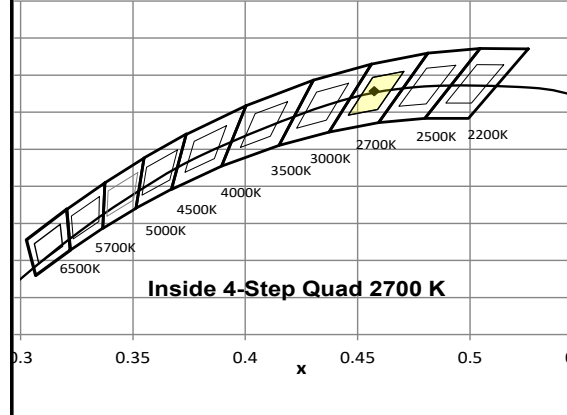
Vertical Angle	Horizontal Angle 0°
0	8606
45	284
55	120
65	50
75	1
85	2

Cone of Light Tabulation

Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	109	2.83
6.00	48.5	4.24
8.00	27.3	5.66
10.0	17.4	7.07
12.0	12.1	8.48
14.0	8.90	9.90
16.0	6.81	11.3

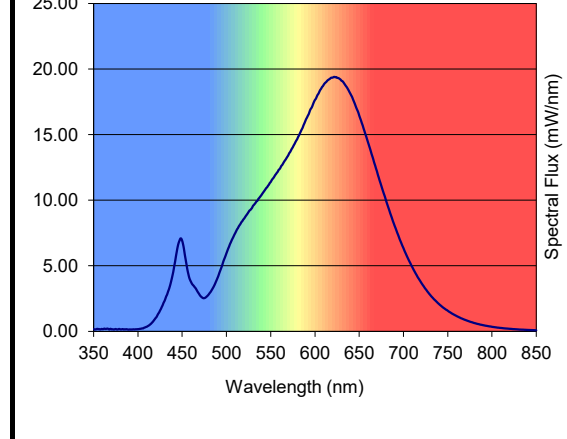


4 and 7-Step CCT Quadrangles



Inside 4-Step Quad 2700 K

Flux vs Wavelength



Intensity (Candlepower) Summary

Angle	Mean CP	Lumens
0	1744	
5	1694	158
10	1579	
15	1348	368
20	999	
25	590	271
30	281	
35	124	86
40	66	
45	41	32
50	26	
55	14	13
60	7	
65	4	4
70	0	
75	0	0
80	0	
85	0	0
90	0	

Color Rendering Index Details

Ra (CRI)	90.9
R1	90.8
R2	94.0
R3	96.1
R4	91.8
R5	90.4
R6	93.1
R7	91.4
R8	79.3
R9	53.2
R10	85.5
R11	92.9
R12	83.2
R13	91.4
R14	97.0

Chromaticity Coordinates

Chromaticity (x)	0.4574
Chromaticity (y)	0.4113
Chromaticity (u)	0.2606
Chromaticity (v)	0.3515
Chromaticity (u')	0.2606
Chromaticity (v')	0.5273
Duv	0.0005

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #15425123.03