



RBW Studio LLC  
Catalog Number  
Centro "High Output" (CTF Series)

Rich  
Brilliant  
Willing

Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.2537 A	30.29 W	0.995	60 Hz	5.17 %

Summary of Results

Total Lumen Output	2411 Lumens
Luminaire Efficacy	79.6 lm/w
Maximum Candela	718 Candela
CCT	3007 K
CRI	92.6
Duv	-0.0005
TM-30 Rf	91.7
TM-30 Rg	98.2

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	565	23.9%
0-40	931	39.4%
0-60	1667	70.5%
0-90	2263	95.7%
40-90	1332	56.3%
60-90	596	25.2%
90-180	103	4.3%
0-180	2366	100.0%

Spacing Criteria

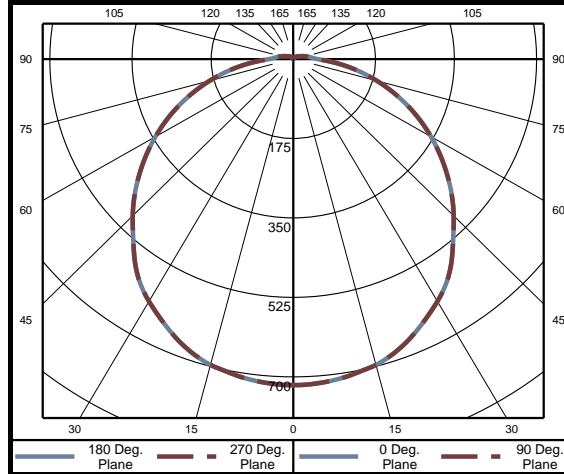
0-180	1.29
90-270	1.29

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

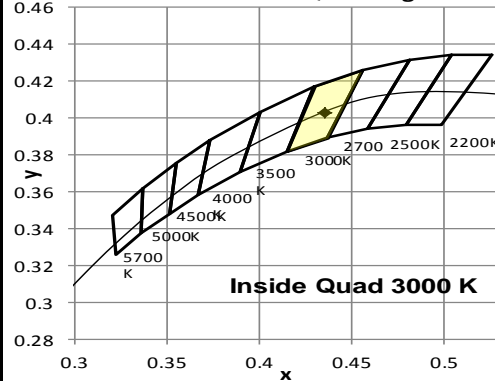
Vertical Angle	Horizontal Angle 0°
0	4905
45	11460
55	5375
65	3595
75	2103
85	960

Cone of Light Tabulation

Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	44.9	5.15
6.00	20.0	7.72
8.00	11.2	10.3
10.0	7.18	12.9
12.0	4.99	15.4
14.0	3.66	18.0
16.0	2.81	20.6

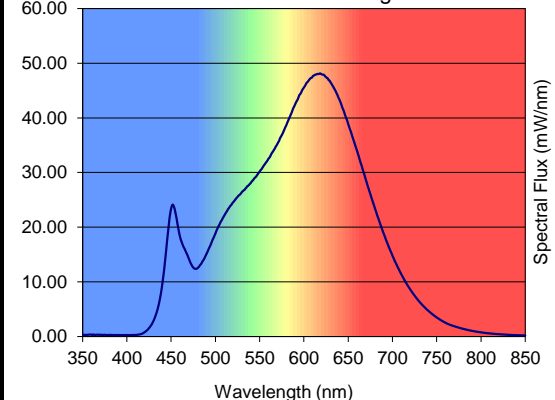


Nominal CCT Quadrangles



Inside Quad 3000 K

Flux vs Wavelength



Intensity (Candlepower) Summary

Angle	Mean CP	Lumens
0	718	
5	716	68
10	708	
15	696	197
20	678	
25	651	300
30	621	
35	587	366
40	539	
45	493	381
50	447	
55	398	356
60	347	
65	296	293
70	243	
75	191	202
80	140	
85	92	101
90	53	

Color Rendering Index Details

Ra (CRI)	92.6
R1	92.9
R2	97.4
R3	98.2
R4	92.5
R5	93
R6	96.6
R7	90.5
R8	79.6
R9	55.3
R10	93.4
R11	94
R12	83.4
R13	94.3
R14	99.8

Chromaticity Coordinates

Chromaticity (x)	0.4357
Chromaticity (y)	0.4028
Chromaticity (u)	0.2504
Chromaticity (v)	0.3471
Chromaticity (u')	0.2504
Chromaticity (v')	0.5207
Duv	-0.0005

Testing was performed in accordance with LM-79-08  
The results contained in this summary pertain only to report #13007325.01