



**Lighting ETC Inc**  
Catalog Number  
**W8-H45-85-U-F-XX**



**Electrical Test Conditions**

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.1 VAC	1.152 A	137.8 W	0.996	60 Hz	7.66 %

**Summary of Results**

Total Lumen Output	17690 Lumens
Luminaire Efficacy	128.4 lm/w
Maximum Candela	4438 Candela
CCT	4749 K
CRI	85.4
Duv	0.0003
TM-30 Rf	82.1
TM-30 Rg	93.6

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	3423	20.6%
0-40	5600	33.8%
0-60	10049	60.7%
0-90	14528	87.8%
40-90	8928	54.0%
60-90	4479	27.1%
90-180	2008	12.1%
0-180	16536	100.0%

**Spacing Criteria**

0-180	1.18
90-270	1.18

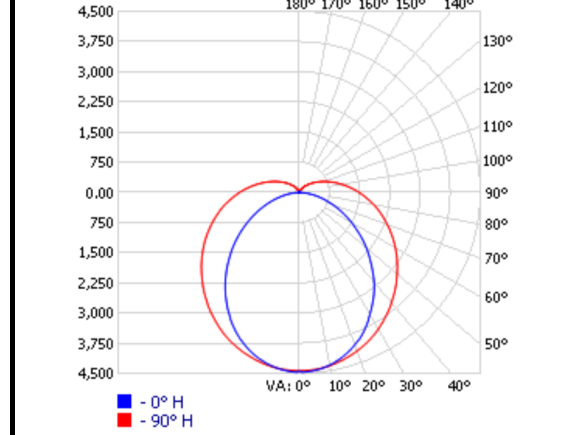
**Average Luminance cd/m<sup>2</sup>**

Vertical Angle	Horizontal Angle 0°
0	16980
45	13385
55	11902
65	10284
75	8399
85	5720

**Cone of Light Tabulation**

Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	174	9.3
6.00	96	13.9
8.00	60	18.6
10.00	40	23.3
12.00	29	27.9
14.00	22	37.2
16.00	17	46.4

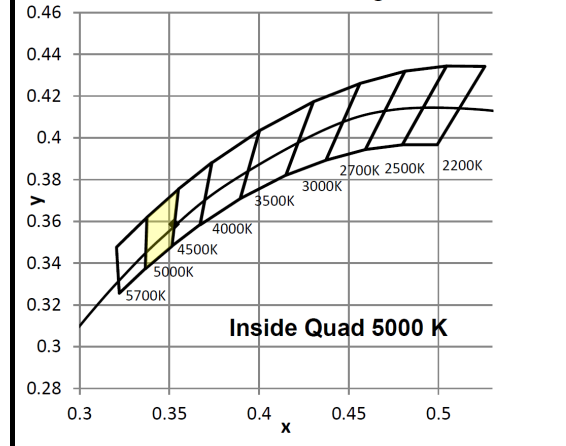
**Polar Candela Distribution**



**Intensity (Candlepower) Summary**

Angle	Mean CP	Lumens
0	4436	
5	4418	420
10	4350	
15	4239	1198
20	4091	
25	3908	1808
30	3688	
35	3445	2176
40	3184	
45	2910	2284
50	2631	
55	2353	2165
60	2077	
65	1813	1876
70	1560	
75	1325	1498
80	1112	
85	916	1106
90	750	

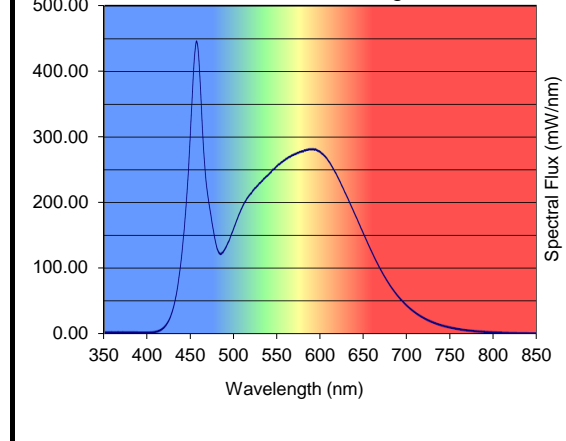
**Nominal CCT Quadrangles**



**Color Rendering Index Details**

Ra (CRI)	Value
Ra (CRI)	85.4
R1	84.5
R2	92.6
R3	95.4
R4	81.9
R5	83.4
R6	87.3
R7	87.7
R8	70.8
R9	23.8
R10	80.6
R11	80.6
R12	58.6
R13	87.2
R14	98.0

**Flux vs Wavelength**



**Chromaticity Coordinates**

Chromaticity (x)	0.3526
Chromaticity (y)	0.3586
Chromaticity (u)	0.2161
Chromaticity (v)	0.3272
Chromaticity (u')	0.2138
Chromaticity (v')	0.4892
Duv	0.0003

Testing was performed in accordance with LM-79-08  
The results contained in this summary pertain only to report #11921806.01C