

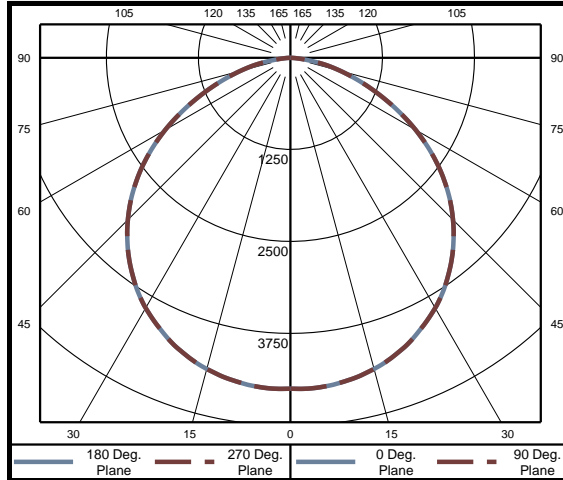


LIGHTING ETC INC
Catalog Number
OPT-12L-5K-U-FD-XX



Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.7484 A	89.61 W	0.998	60 Hz	5.62 %

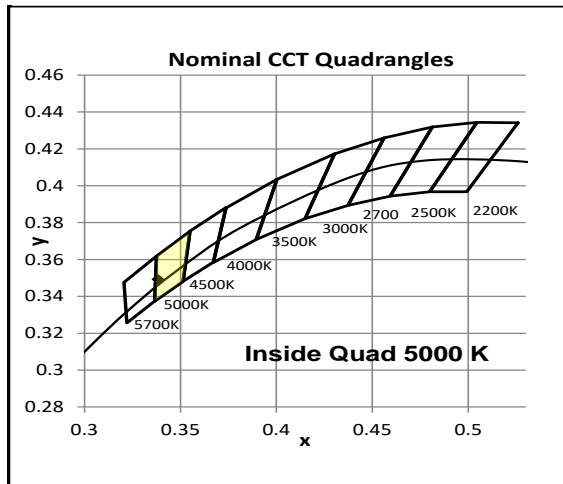
Summary of Results	
Total Lumen Output	13340 Lumens
Luminaire Efficacy	149 lm/w
Maximum Candela	4506 Candela
CCT	5257 K
CRI	83.0
Duv	0.0012
TM-30 Rf	82.9
TM-30 Rg	96.9



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	4501	
5	4500	428
10	4456	
15	4373	1238
20	4267	
25	4112	1897
30	3929	
35	3699	2314
40	3429	
45	3121	2405
50	2775	
55	2388	2129
60	1963	
65	1518	1505
70	1097	
75	722	771
80	392	
85	106	149
90	0	

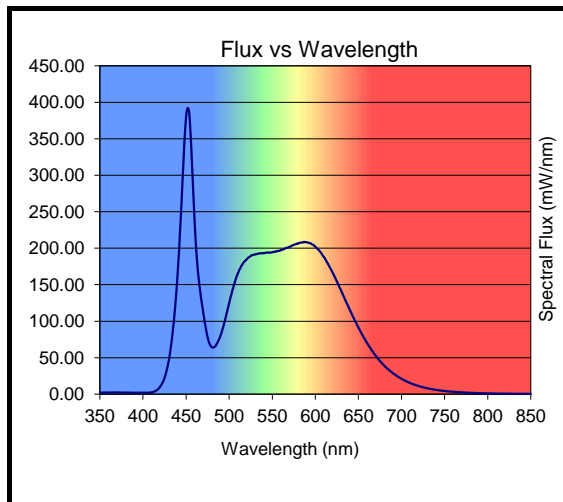
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	3563	27.8%
0-40	5876	45.8%
0-60	10410	81.1%
0-90	12835	100.0%
40-90	6959	54.2%
60-90	2425	18.9%
90-180	0	0.0%
0-180	12835	100.0%

Spacing Criteria	
0-180	1.29
90-270	1.29



Color Rendering Index Details	
Ra (CRI)	83.0
R1	82.2
R2	87.2
R3	90.4
R4	84.2
R5	82.7
R6	82.2
R7	87
R8	68.4
R9	7.8
R10	69.4
R11	84.4
R12	58.4
R13	83.6
R14	94.9

Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	22210
45	21770
55	20540
65	17730
75	13770
85	5990



Chromaticity Coordinates	
Chromaticity (x)	0.3383
Chromaticity (y)	0.3492
Chromaticity (u)	0.2078
Chromaticity (v)	0.3217
Chromaticity (u')	0.2078
Chromaticity (v')	0.4825
Duv	0.0012

Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
10.0	45.0	12.9
14.0	23.0	18.1
18.0	13.9	23.3
22.0	9.30	28.5
26.0	6.66	33.6
28.0	5.74	36.2
30.0	5.00	38.8

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #12773369.02