

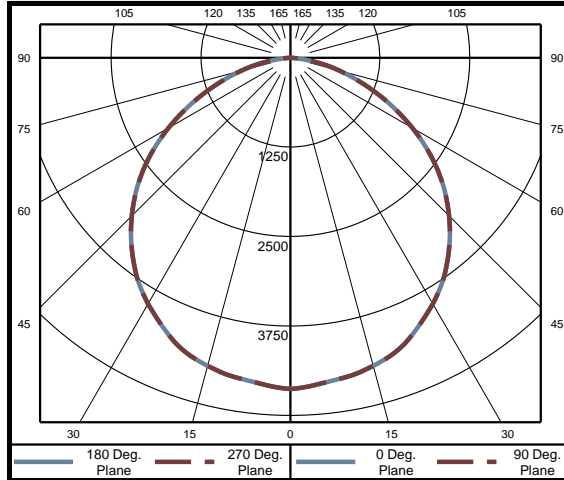


LIGHTING ETC INC
 Catalog Number
OPT-12L-4K-U-FD-XX



Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.1 VAC	0.7493 A	89.75 W	0.997	60 Hz	5.69 %

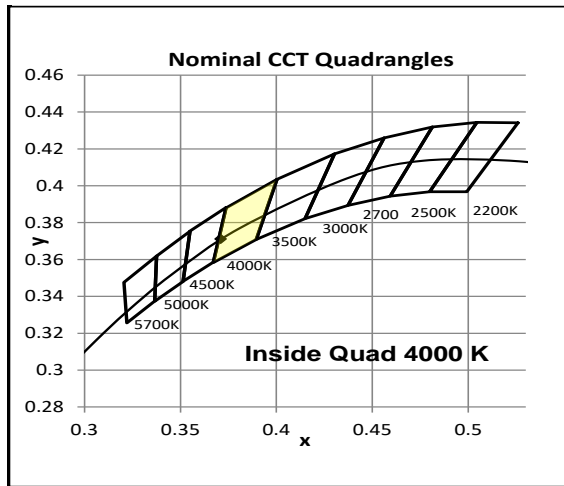
Summary of Results	
Total Lumen Output	13170 Lumens
Luminaire Efficacy	146.9 lm/w
Maximum Candela	4627 Candela
CCT	4226 K
CRI	84.1
Duv	0.0000
TM-30 Rf	83.9
TM-30 Rg	95.4



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	4627	
5	4576	435
10	4529	
15	4449	1260
20	4355	
25	4175	1926
30	3972	
35	3736	2334
40	3447	
45	3131	2413
50	2784	
55	2394	2135
60	1968	
65	1529	1514
70	1105	
75	726	773
80	385	
85	99	142
90	0	

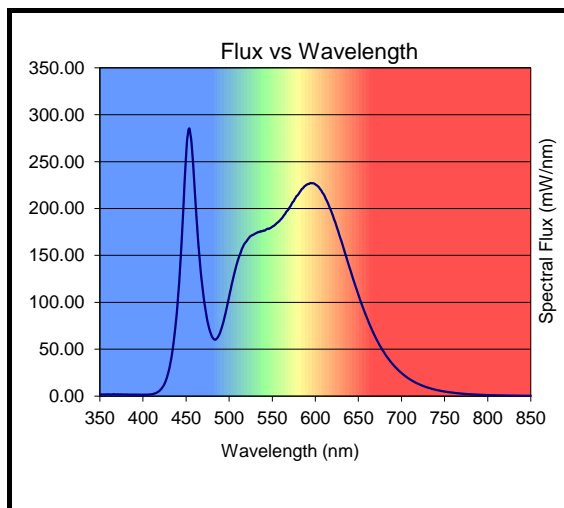
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	3620	28.0%
0-40	5953	46.0%
0-60	10500	81.2%
0-90	12930	100.0%
40-90	6977	54.0%
60-90	2430	18.8%
90-180	0	0.0%
0-180	12930	100.0%

Spacing Criteria	
0-180	1.28
90-270	1.28



Color Rendering Index Details	
Ra (CRI)	
Ra (CRI)	84.1
R1	83.2
R2	90.3
R3	94.8
R4	83.5
R5	82.8
R6	86.1
R7	86.5
R8	65.8
R9	10.2
R10	76.3
R11	83.4
R12	58.8
R13	85.4
R14	97.4

Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	22830
45	21840
55	20590
65	17850
75	13830
85	5613



Chromaticity Coordinates	
Chromaticity (x)	0.3710
Chromaticity (y)	0.3712
Chromaticity (u)	0.2211
Chromaticity (v)	0.3318
Chromaticity (u')	0.2211
Chromaticity (v')	0.4977
Duv	0.0000

Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
10.0	46.3	12.8
14.0	23.6	17.9
18.0	14.3	23.0
22.0	9.56	28.1
26.0	6.84	33.2
28.0	5.90	35.7
30.0	5.14	38.3

Testing was performed in accordance with LM-79-08
 The results contained in this summary pertain only to report #12845303.04