

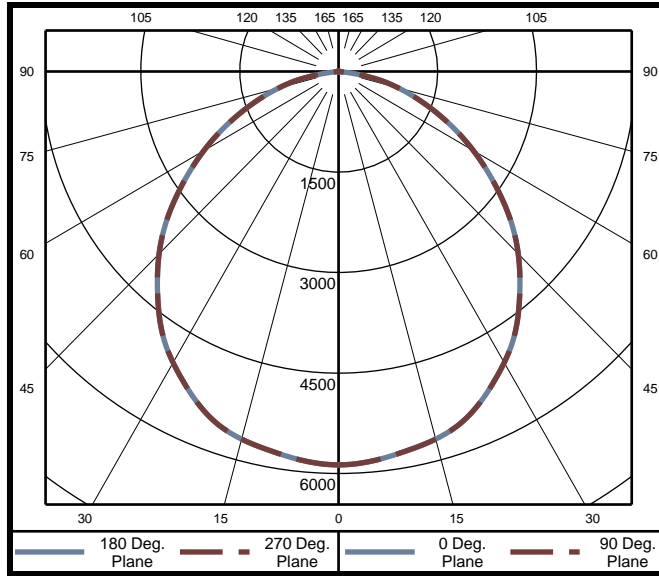


Lighting ETC Inc
Catalog Number
OPT-16L-4K-U-FD-XX (REF MET5)



Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.1 VAC	1.036 A	123.9 W	0.995	60 Hz	8.11 %

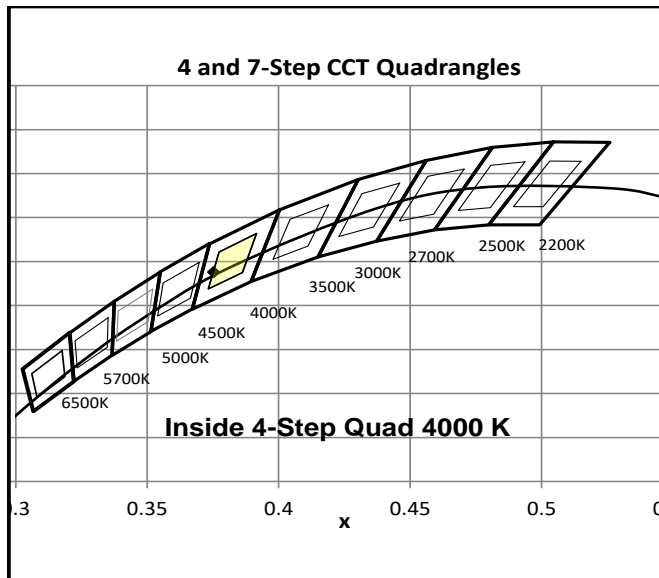
Summary of Results	
Total Lumen Output	16240 Lumens
Luminaire Efficacy	131.6 lm/w
Maximum Candela	5872 Candela
CCT	4133 K
CRI	82.4
Duv	0.0008
TM-30 Rf	83.0
TM-30 Rg	96.0



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	5872	
5	5835	555
10	5759	
15	5680	1604
20	5543	
25	5302	2443
30	5017	
35	4684	2924
40	4270	
45	3848	2964
50	3380	
55	2863	2562
60	2358	
65	1857	1840
70	1376	
75	939	994
80	506	
85	134	190
90	4	

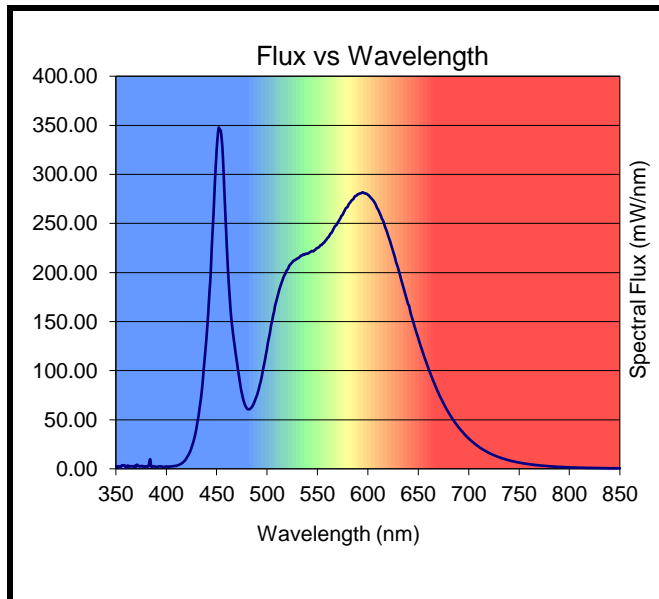
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	4603	28.6%
0-40	7527	46.8%
0-60	13052	81.2%
0-90	16076	100.0%
40-90	8549	53.2%
60-90	3024	18.8%
90-180	1	0.0%
0-180	16077	100.0%

Spacing Criteria	
0-180	1.27
90-270	1.27



Color Rendering Index Details	
Ra (CRI)	82.4
R1	81.2
R2	87.9
R3	93
R4	82.6
R5	81
R6	83.3
R7	86.2
R8	64.2
R9	4.7
R10	71.1
R11	82.2
R12	56.8
R13	82.9
R14	96.2

Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	28970
45	26850
55	24630
65	21680
75	17900
85	7601



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
10.0	58.7	12.7
14.0	30.0	17.7
18.0	18.1	22.8
22.0	12.1	27.9
26.0	8.69	33.0
28.0	7.49	35.5
30.0	6.52	38.0

Chromaticity Coordinates	
Chromaticity (x)	0.3752
Chromaticity (y)	0.3752
Chromaticity (u)	0.2223
Chromaticity (v)	0.3334
Chromaticity (u')	0.2223
Chromaticity (v')	0.5001
Duv	0.0008

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #14013186.01