

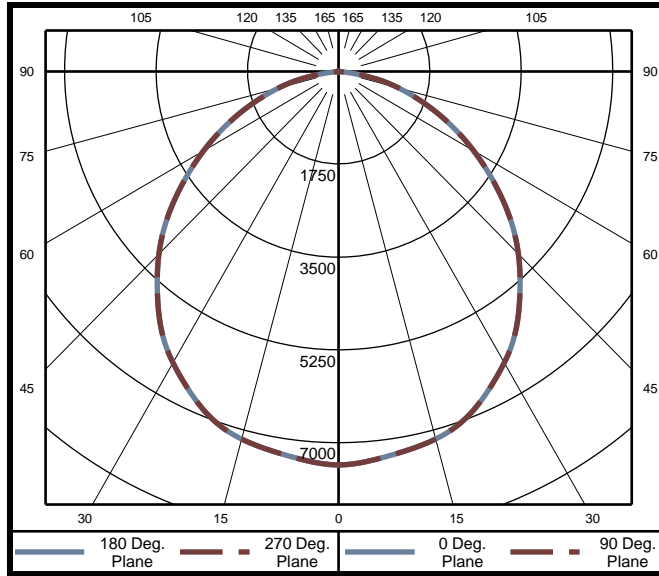


Lighting ETC Inc
Catalog Number
OPT-20L-4K-U-FD-XX (REF MET5)



Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.1 VAC	1.271 A	152.2 W	0.997	60 Hz	6.47 %

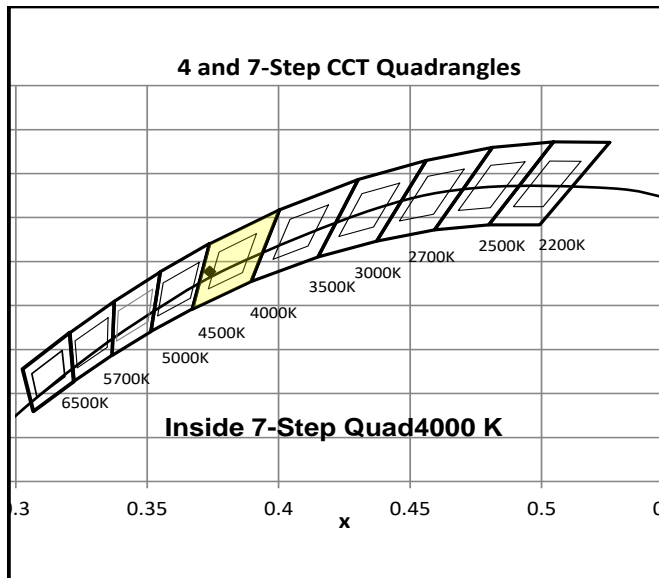
Summary of Results	
Total Lumen Output	20700 Lumens
Luminaire Efficacy	135.9 lm/w
Maximum Candela	7420 Candela
CCT	4173 K
CRI	82.5
Duv	0.0013
TM-30 Rf	83.0
TM-30 Rg	96.0



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	7420	
5	7361	700
10	7271	
15	7176	2026
20	6999	
25	6695	3086
30	6343	
35	5925	3698
40	5402	
45	4868	3750
50	4277	
55	3626	3244
60	2987	
65	2359	2337
70	1751	
75	1194	1264
80	643	
85	172	242
90	0	

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	5812	28.6%
0-40	9509	46.7%
0-60	16504	81.1%
0-90	20347	100.0%
40-90	10838	53.3%
60-90	3843	18.9%
90-180	0	0.0%
0-180	20347	100.0%

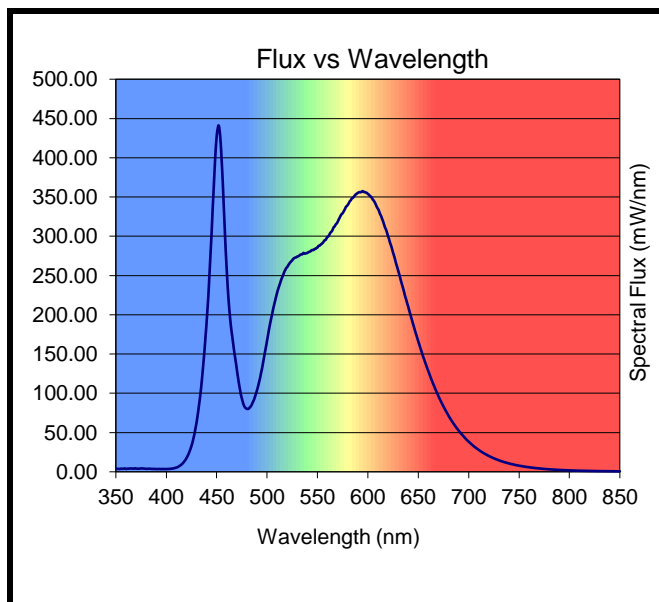
Spacing Criteria	
0-180	1.27
90-270	1.27



Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	36610
45	33960
55	31190
65	27550
75	22760
85	9742

Color Rendering Index Details	
Ra (CRI)	82.5
R1	81.1
R2	87.7
R3	93.2
R4	82.9
R5	81.1
R6	83.4
R7	86.2
R8	64.1
R9	3.5
R10	71.0
R11	82.9
R12	58.5
R13	82.7
R14	96.3

Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
10.0	74.2	12.7
14.0	37.9	17.8
18.0	22.9	22.8
22.0	15.3	27.9
26.0	11.0	33.0
28.0	9.46	35.5
30.0	8.24	38.1



Chromaticity Coordinates	
Chromaticity (x)	0.3738
Chromaticity (y)	0.3754
Chromaticity (u)	0.2213
Chromaticity (v)	0.3333
Chromaticity (u')	0.2213
Chromaticity (v')	0.5000
Duv	0.0013