

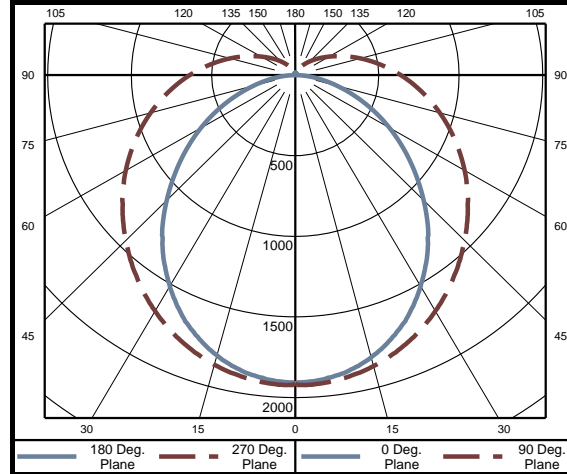


Lighting ETC Inc
Catalog Number
W4-M45-85-U-XX (REF.MIX)



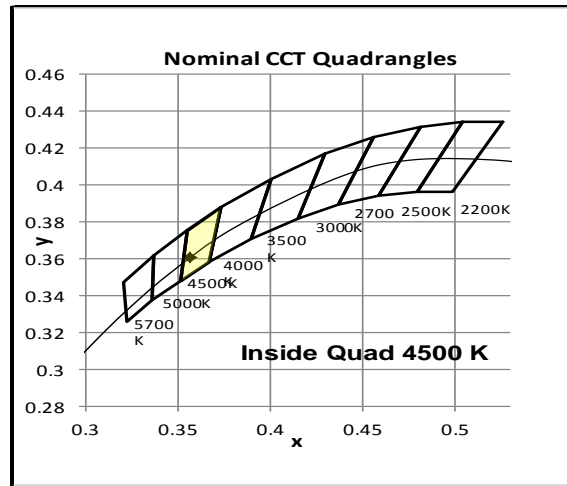
Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.3 °C	120.0 VAC	0.4553 A	54.21 W	0.992	60 Hz	10.5 %

Summary of Results	
Total Lumen Output	7027 Lumens
Luminaire Efficacy	129.4 lm/w
Maximum Candela	1923 Candela
CCT	4610 K
CRI	85.9
Duv	0.0005
TM-30 Rf	83.5
TM-30 Rg	96.5



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	1913	
5	1905	181
10	1877	
15	1828	517
20	1772	
25	1696	782
30	1607	
35	1506	943
40	1398	
45	1285	992
50	1167	
55	1051	941
60	935	
65	823	816
70	715	
75	614	651
80	522	
85	440	481
90	367	

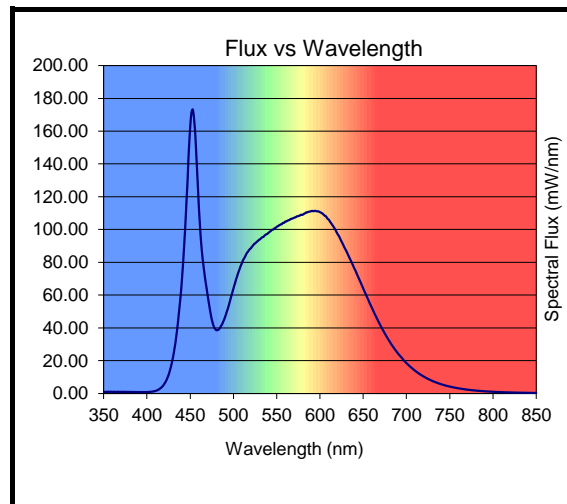
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1480	20.6%
0-40	2423	33.7%
0-60	4355	60.6%
0-90	6303	87.7%
40-90	3880	54.0%
60-90	1948	27.1%
90-180	886	12.3%
0-180	7189	100.0%



Spacing Criteria	
0-180	1.18
90-270	1.18

Color Rendering Index Details	
Ra (CRI)	85.9
R1	85.2
R2	90.5
R3	93.2
R4	85.5
R5	84.6
R6	85.4
R7	89.7
R8	73.6
R9	28.2
R10	76.2
R11	84.6
R12	59.8
R13	86.7
R14	96.3

Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	12870
45	9924
55	8751
65	7472
75	5817
85	3598



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	120	5.00
6.00	53.1	7.50
8.00	29.9	9.99
10.0	19.1	12.5
12.0	13.3	15.0
14.0	9.76	17.5
16.0	7.47	20.0

Chromaticity Coordinates	
Chromaticity (x)	0.3569
Chromaticity (y)	0.3606
Chromaticity (u)	0.2159
Chromaticity (v)	0.3272
Chromaticity (u')	0.2159
Chromaticity (v')	0.4908
Duv	0.0005

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #12292562.01