

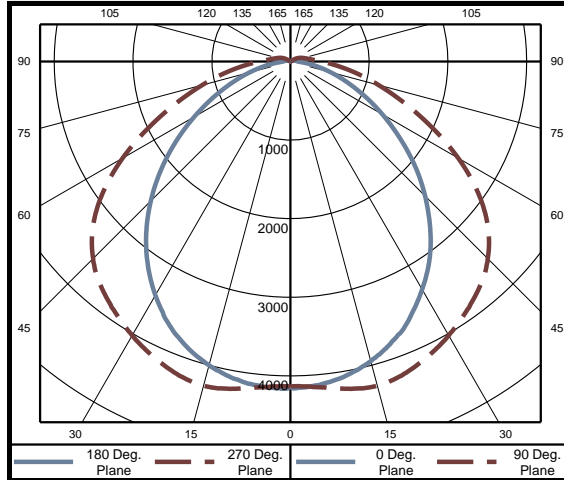


Lighting ETC Inc
Catalog Number
VGL8-M45-85-U-DF-XX



Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.9193 A	109.5 W	0.992	60 Hz	10.4 %

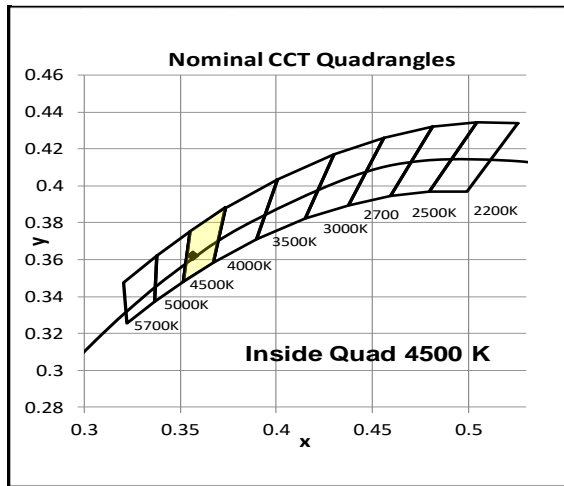
Summary of Results	
Total Lumen Output	14740 Lumens
Luminaire Efficacy	134.6 lm/w
Maximum Candela	4270 Candela
CCT	4627 K
CRI	85.1
Duv	0.0002
TM-30 Rf	83.1
TM-30 Rg	96.9



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	4136	
5	4141	395
10	4148	
15	4128	1168
20	4065	
25	3947	1820
30	3788	
35	3596	2251
40	3378	
45	3131	2415
50	2851	
55	2528	2255
60	2161	
65	1773	1757
70	1396	
75	1054	1121
80	761	
85	520	580
90	349	

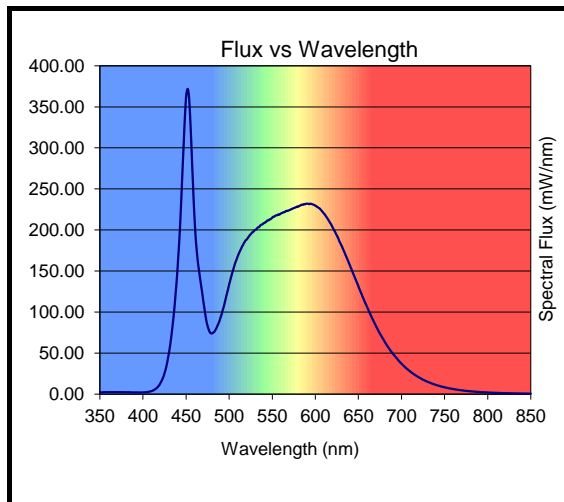
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	3384	23.7%
0-40	5635	39.5%
0-60	10304	72.2%
0-90	13761	96.4%
40-90	8126	56.9%
60-90	3457	24.2%
90-180	510	3.6%
0-180	14271	100.0%

Spacing Criteria	
0-180	1.21
90-270	1.23



Color Rendering Index Details	
Ra (CRI)	Value
Ra (CRI)	85.1
R1	84.2
R2	89.1
R3	91.8
R4	85.2
R5	83.7
R6	83.9
R7	89.6
R8	73.1
R9	25.2
R10	73.2
R11	84.3
R12	58.6
R13	85.4
R14	95.4

Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	9569
45	7931
55	6860
65	5711
75	4766
85	4794



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	259	5.41
6.00	115	8.11
8.00	64.6	10.8
10.0	41.4	13.5
12.0	28.7	16.2
14.0	21.1	18.9
16.0	16.2	21.6

Chromaticity Coordinates	
Chromaticity (x)	0.3566
Chromaticity (y)	0.3618
Chromaticity (u)	0.2152
Chromaticity (v)	0.3275
Chromaticity (u')	0.2152
Chromaticity (v')	0.4912
Duv	0.0002

Testing was performed in accordance with LM-79-08