

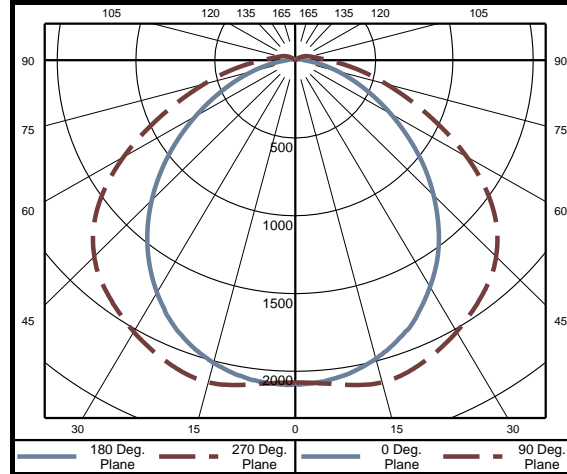


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**Lighting ETC Inc**  
 Catalog Number  
**VGL4-M45-85-U-DF-XX**

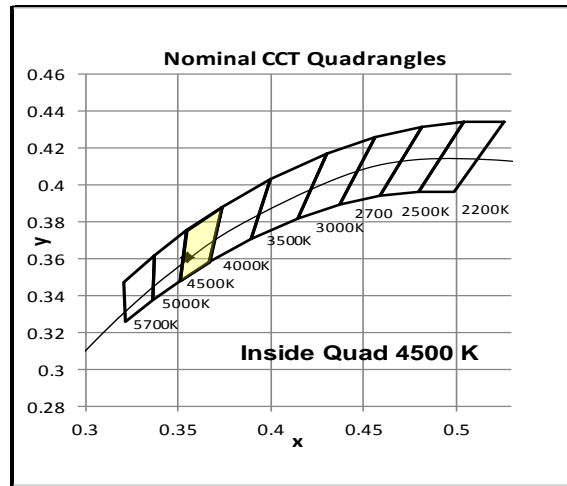
Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.0 VAC	0.4596 A	54.73 W	0.992	60 Hz	10.3 %

Summary of Results	
Total Lumen Output	7090 Lumens
Luminaire Efficacy	130 lm/w
Maximum Candela	2135 Candela
CCT	4682 K
CRI	85.5
Duv	0.0003
TM-30 Rf	82.1
TM-30 Rg	93.6



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	2068	
5	2070	198
10	2074	
15	2064	584
20	2032	
25	1974	910
30	1894	
35	1798	1126
40	1689	
45	1565	1207
50	1426	
55	1264	1127
60	1080	
65	887	878
70	698	
75	527	561
80	381	
85	260	290
90	174	

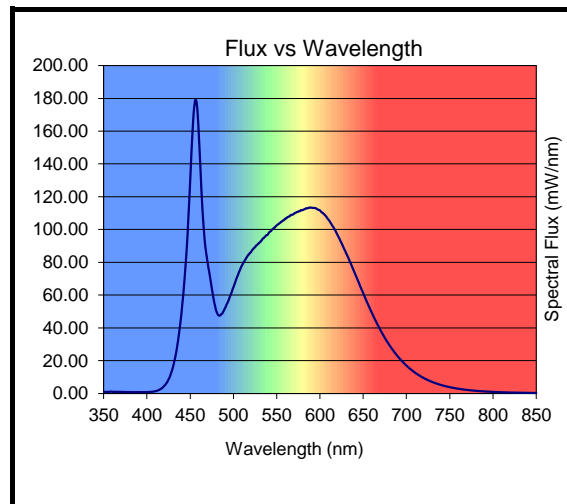
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1692	23.7%
0-40	2817	39.5%
0-60	5152	72.2%
0-90	6881	96.4%
40-90	4063	56.9%
60-90	1729	24.2%
90-180	256	3.6%
0-180	7136	100.0%



Spacing Criteria	
0-180	1.21
90-270	1.23

Color Rendering Index Details	
Ra (CRI)	85.5
R1	84.6
R2	92.5
R3	95.5
R4	82.0
R5	83.4
R6	87.3
R7	87.7
R8	70.7
R9	23.7
R10	80.5
R11	80.9
R12	58.4
R13	87.2
R14	98.0

Average Luminance cd/m <sup>2</sup>	
Vertical Angle	Horizontal Angle 0°
0	9575
45	7429
55	6258
65	4988
75	3805
85	2701



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	129	5.41
6.00	57.4	8.11
8.00	32.3	10.8
10.0	20.7	13.5
12.0	14.4	16.2
14.0	10.5	18.9
16.0	8.08	21.6

Chromaticity Coordinates	
Chromaticity (x)	0.3548
Chromaticity (y)	0.3605
Chromaticity (u)	0.2145
Chromaticity (v)	0.3269
Chromaticity (u')	0.2145
Chromaticity (v')	0.4904
Duv	0.0003

Testing was performed in accordance with LM-79-08  
 The results contained in this summary pertain only to report #12248105.01