

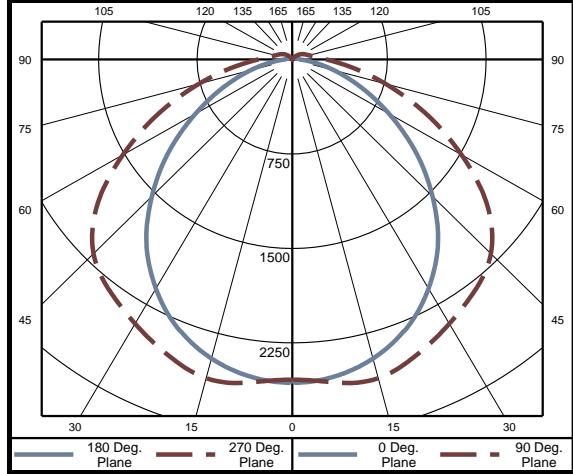


**Lighting ETC Inc**  
Catalog Number  
**VGL4-H45-85-U-DF-XX**



Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.1 VAC	0.5726 A	68.45 W	0.995	60 Hz	7.86 %

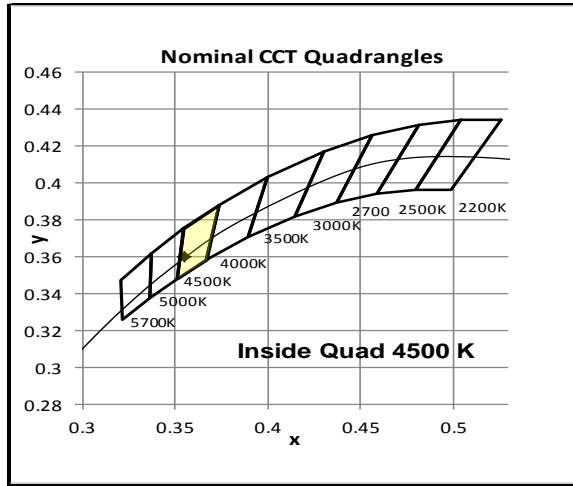
Summary of Results	
Total Lumen Output	8901 Lumens
Luminaire Efficacy	130.5 lm/w
Maximum Candela	2619 Candela
CCT	4649 K
CRI	85.5
Duv	0.0004
TM-30 Rf	81.9
TM-30 Rg	93.6



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	2545	
5	2550	244
10	2555	
15	2537	717
20	2488	
25	2407	1110
30	2305	
35	2188	1370
40	2060	
45	1914	1476
50	1745	
55	1547	1380
60	1324	
65	1096	1085
70	870	
75	660	701
80	476	
85	326	364
90	226	

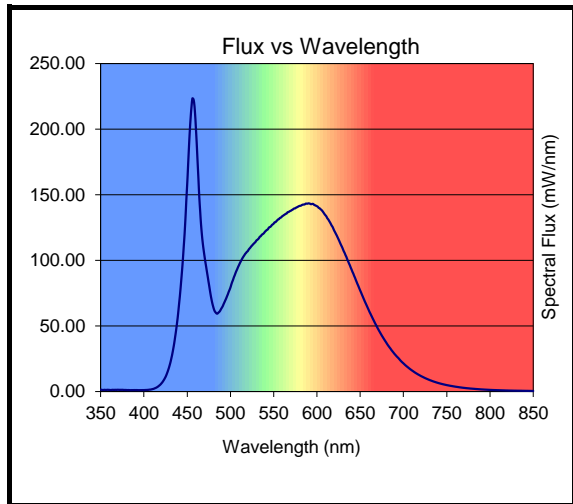
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2071	23.3%
0-40	3441	38.8%
0-60	6298	70.9%
0-90	8448	95.1%
40-90	5008	56.4%
60-90	2151	24.2%
90-180	431	4.9%
0-180	8880	100.0%

Spacing Criteria	
0-180	1.22
90-270	1.22



Color Rendering Index Details	
Ra (CRI)	85.5
R1	84.7
R2	92.8
R3	95.5
R4	81.9
R5	83.6
R6	87.5
R7	87.4
R8	70.5
R9	23.8
R10	80.9
R11	80.7
R12	58.9
R13	87.4
R14	98.0

Average Luminance cd/m <sup>2</sup>	
Vertical Angle	Horizontal Angle 0°
0	11780
45	9437
55	8040
65	6430
75	4898
85	3480



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	159	5.35
6.00	70.7	8.03
8.00	39.8	10.7
10.0	25.5	13.4
12.0	17.7	16.1
14.0	13.0	18.7
16.0	9.94	21.4

Chromaticity Coordinates	
Chromaticity (x)	0.3556
Chromaticity (y)	0.3598
Chromaticity (u)	0.2153
Chromaticity (v)	0.3268
Chromaticity (u')	0.2153
Chromaticity (v')	0.4902
Duv	0.0004

Testing was performed in accordance with LM-79-08  
The results contained in this summary pertain only to report #11921806.02C