

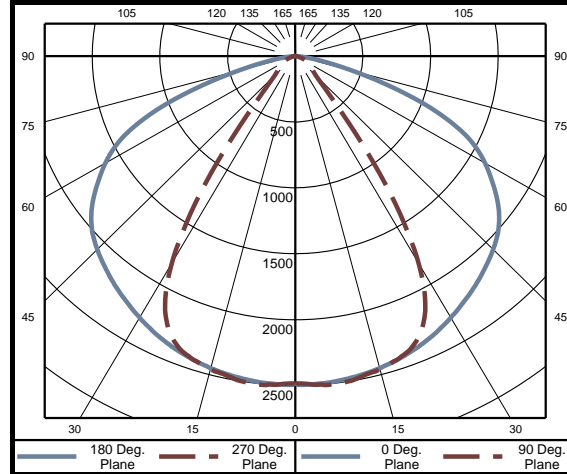


**Lighting ETC Inc**  
 Catalog Number  
**P4-200-U (REF. 6590)**



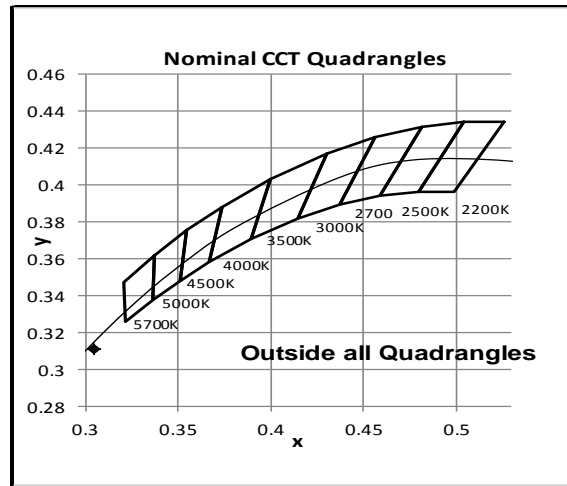
Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.1 VAC	0.5127 A	61.20 W	0.994	60 Hz	9.96 %

Summary of Results	
Total Lumen Output	4949 Lumens
Luminaire Efficacy	80.9 lm/w
Maximum Candela	2507 Candela
CCT	7164 K
CRI	95.2
Duv	-0.0024
TM-30 Rf	88.3
TM-30 Rg	100.0



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	2483	
5	2493	238
10	2487	
15	2453	695
20	2414	
25	2333	1069
30	2154	
35	1819	1122
40	1392	
45	1049	815
50	783	
55	576	519
60	407	
65	288	287
70	187	
75	97	108
80	41	
85	12	17
90	0	

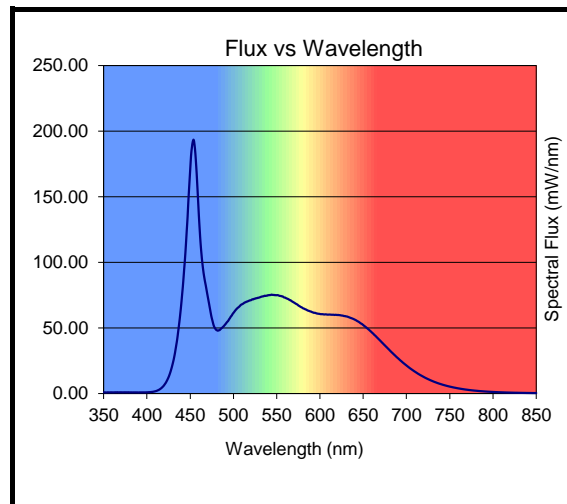
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2001	41.1%
0-40	3123	64.1%
0-60	4457	91.5%
0-90	4869	100.0%
40-90	1746	35.9%
60-90	412	8.5%
90-180	0	0.0%
0-180	4869	100.0%



Spacing Criteria	
0-180	1.38
90-270	1.38

Color Rendering Index Details	
Ra (CRI)	95.2
R1	96.4
R2	96.5
R3	91.5
R4	96.4
R5	94.2
R6	89.8
R7	98.1
R8	98.5
R9	95.9
R10	89.2
R11	95.4
R12	65.6
R13	98.1
R14	95.2

Average Luminance cd/m <sup>2</sup>	
Vertical Angle	Horizontal Angle 0°
0	82760
45	97590
55	105000
65	107500
75	59180
85	15690



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	155	5.00
6.00	69.0	7.51
8.00	38.8	10.0
10.0	24.8	12.5
12.0	17.2	15.0
14.0	12.7	17.5
16.0	9.70	20.0

Chromaticity Coordinates	
Chromaticity (x)	0.3049
Chromaticity (y)	0.3113
Chromaticity (u)	0.1991
Chromaticity (v)	0.3049
Chromaticity (u')	0.1991
Chromaticity (v')	0.4573
Duv	-0.0024

Testing was performed in accordance with LM-79-08  
 The results contained in this summary pertain only to report #12164142.01