

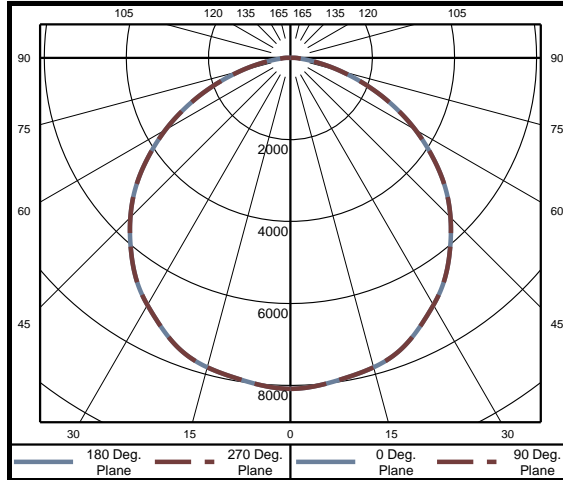


Lighting ETC Inc
Catalog Number
INS-LW-24L-5K8-U-F-XX (REF LT)



Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.1 VAC	1.397 A	167.4 W	0.998	60 Hz	5.70 %

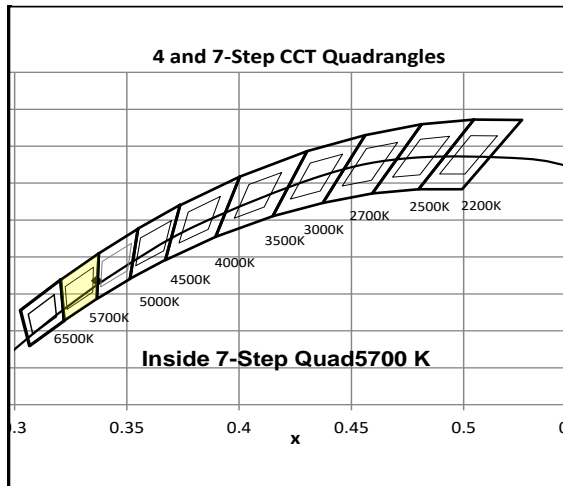
Summary of Results	
Total Lumen Output	23300 Lumens
Luminaire Efficacy	139.8 lm/w
Maximum Candela	8081 Candela
CCT	5322 K
CRI	83.6
Duv	0.0013
TM-30 Rf	84.0
TM-30 Rg	94.0



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	8081	
5	8026	763
10	7922	
15	7821	2210
20	7645	
25	7328	3379
30	6965	
35	6559	4097
40	6047	
45	5510	4248
50	4916	
55	4227	3778
60	3512	
65	2758	2727
70	2001	
75	1290	1382
80	697	
85	284	364
90	127	

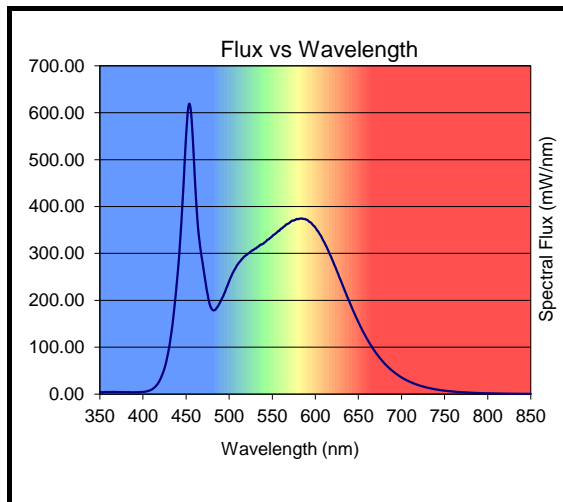
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	6351	27.6%
0-40	10447	45.5%
0-60	18472	80.4%
0-90	22945	99.9%
40-90	12498	54.4%
60-90	4473	19.5%
90-180	27	0.1%
0-180	22972	100.0%

Spacing Criteria	
0-180	1.28
90-270	1.28



Color Rendering Index Details	
Ra (CRI)	
Ra (CRI)	83.6
R1	81.9
R2	90.5
R3	94.4
R4	82.0
R5	82.7
R6	85.7
R7	85.8
R8	65.5
R9	4
R10	76.9
R11	81.5
R12	64.5
R13	84.6
R14	97.5

Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	39870
45	36150
55	33330
65	28330
75	19870
85	9298



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
10.0	80.8	12.8
14.0	41.2	17.9
18.0	24.9	23.1
22.0	16.7	28.2
26.0	12.0	33.3
28.0	10.3	35.9
30.0	8.98	38.4

Chromaticity Coordinates	
Chromaticity (x)	0.3366
Chromaticity (y)	0.3472
Chromaticity (u)	0.2074
Chromaticity (v)	0.3208
Chromaticity (u')	0.2074
Chromaticity (v')	0.4812
Duv	0.0013

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #13954758.01A