

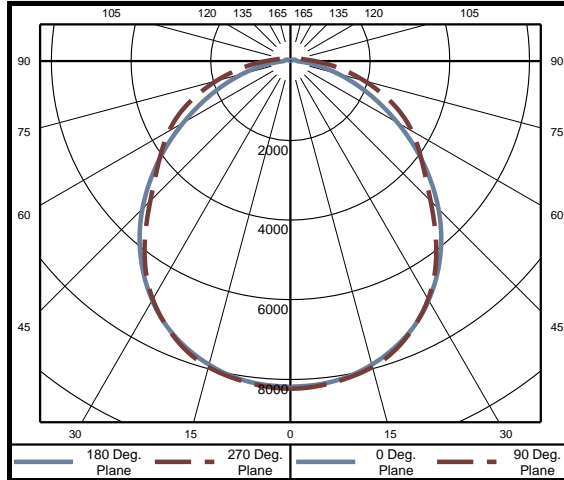


**LIGHTING ETC INC**  
 Catalog Number  
**NML-24L-2R-5K-U-F-XX**



Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	1.334 A	159.7 W	0.997	60 Hz	6.44 %

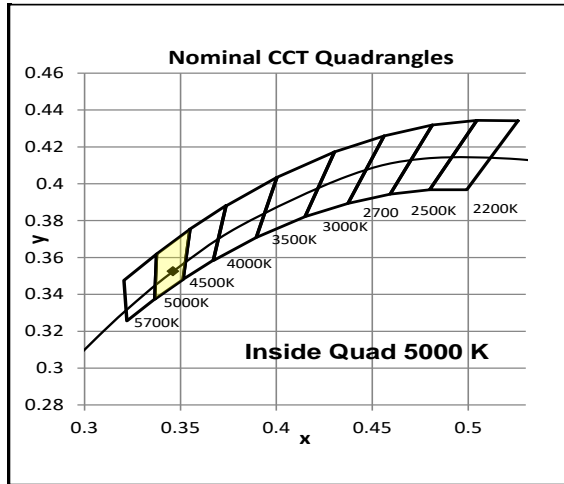
Summary of Results	
Total Lumen Output	24870 Lumens
Luminaire Efficacy	155.5 lm/w
Maximum Candela	8240 Candela
CCT	4967 K
CRI	83.4
Duv	0.0001
TM-30 Rf	82.8
TM-30 Rg	95.8



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	8218	
5	8188	779
10	8094	
15	7919	2240
20	7700	
25	7368	3392
30	6942	
35	6427	4013
40	5817	
45	5145	3969
50	4470	
55	3832	3434
60	3241	
65	2682	2656
70	2134	
75	1606	1702
80	1125	
85	716	805
90	444	

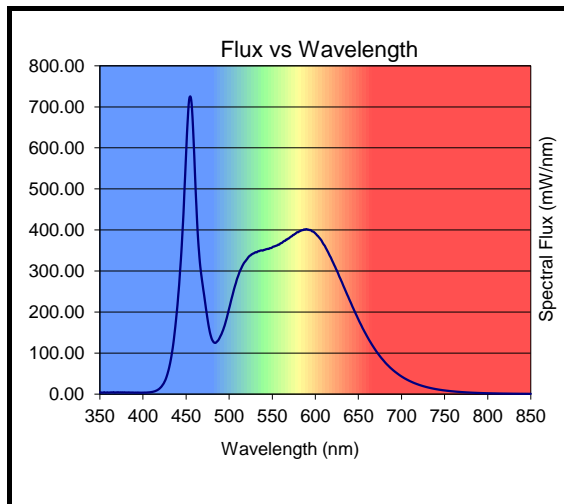
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	6411	27.0%
0-40	10423	43.8%
0-60	17826	75.0%
0-90	22991	96.7%
40-90	12568	52.9%
60-90	5165	21.7%
90-180	788	3.3%
0-180	23779	100.0%

Spacing Criteria	
0-180	1.25
90-270	1.25



Color Rendering Index Details	
Ra (CRI)	83.4
R1	82.5
R2	89.5
R3	92.9
R4	82.1
R5	81.7
R6	83.6
R7	87.3
R8	67.8
R9	10.7
R10	73.5
R11	81.3
R12	52.8
R13	84.8
R14	96.4

Average Luminance cd/m <sup>2</sup>	
Vertical Angle	Horizontal Angle 0°
0	17840
45	15330
55	13520
65	11220
75	8696
85	5502



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
10.0	82.2	12.5
14.0	41.9	17.5
18.0	25.4	22.5
22.0	17.0	27.5
26.0	12.2	32.5
28.0	10.5	35.0
30.0	9.13	37.5

Chromaticity Coordinates	
Chromaticity (x)	0.3460
Chromaticity (y)	0.3526
Chromaticity (u)	0.2116
Chromaticity (v)	0.3235
Chromaticity (u')	0.2116
Chromaticity (v')	0.4853
Duv	0.0001

Testing was performed in accordance with LM-79-08  
 The results contained in this summary pertain only to report #13179099.01