



H E Williams Inc
Catalog Number
MDSG-24-L200/950-AS4

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Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	119.9 VAC	1.380 A	165.0 W	0.997	60 Hz	6.15 %

Summary of Results

Total Lumen Output	15260 Lumens
Luminaire Efficacy	92.7 lm/w
Maximum Candela	7977 Candela
CCT	5100 K
CRI	93.2
Duv	-0.0022
TM-30 Rf	89.5
TM-30 Rg	102.2

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	4742	31.4%
0-40	7589	50.3%
0-60	12916	85.7%
0-90	15079	100.0%
40-90	7490	49.7%
60-90	2163	14.3%
90-180	0	0.0%
0-180	15079	100.0%

Spacing Criteria

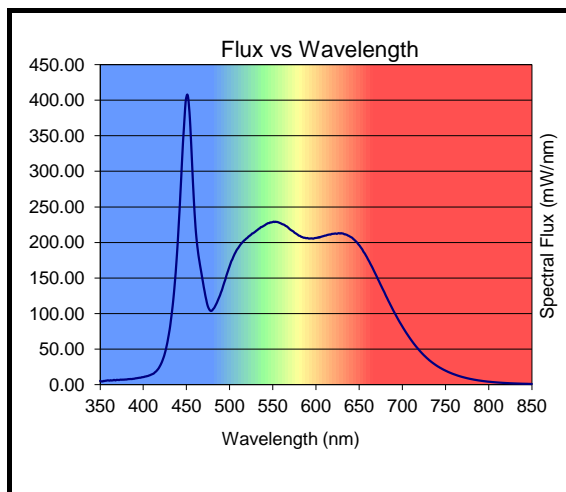
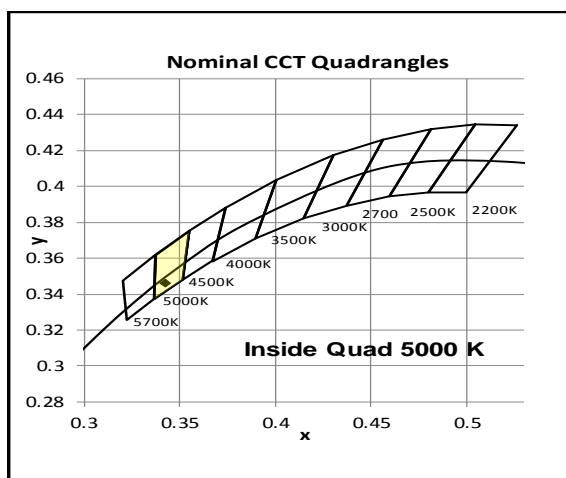
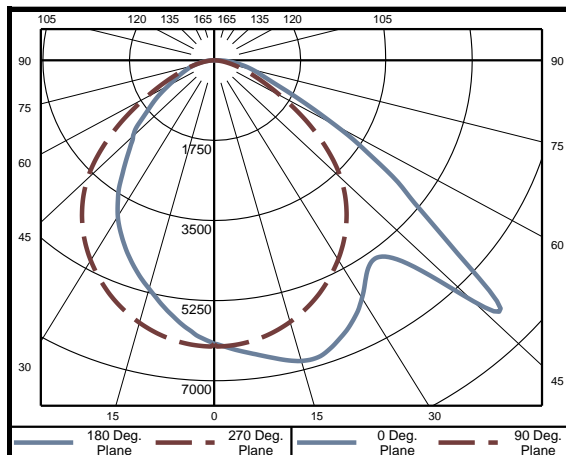
0-180	1.37
90-270	0.99

Average Luminance cd/m²

Vertical Angle	Horizontal Angle 0°
0	10910
45	18550
55	13570
65	7105
75	5587
85	6472

Cone of Light Tabulation

Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	387	4.82
6.00	172	7.23
8.00	96.8	9.64
10.0	61.9	12.0
12.0	43.0	14.5
14.0	31.6	16.9
16.0	24.2	19.3



Intensity (Candlepower) Summary

Angle	Mean CP	Lumens
0	6195	
5	6158	585
10	6062	
15	5907	1671
20	5715	
25	5405	2486
30	5020	
35	4552	2847
40	4082	
45	3851	2958
50	3407	
55	2647	2369
60	1953	
65	1337	1345
70	879	
75	580	624
80	358	
85	173	193
90	18	

Color Rendering Index Details

Ra (CRI)	93.2
R1	95.8
R2	93.8
R3	89.5
R4	93.2
R5	95
R6	89.4
R7	93.8
R8	95.0
R9	87.6
R10	83.9
R11	93
R12	74.1
R13	95.1
R14	93.8

Chromaticity Coordinates

Chromaticity (x)	0.3420
Chromaticity (y)	0.3460
Chromaticity (u)	0.2115
Chromaticity (v)	0.3210
Chromaticity (u')	0.2115
Chromaticity (v')	0.4814
Duv	-0.0022

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #12186363.02