



H E Williams Inc  
Catalog Number  
**MDS-22-L100/950-AS4**

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**Electrical Test Conditions**

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.1 VAC	0.8416 A	100.9 W	0.998	60 Hz	5.12 %

**Summary of Results**

Total Lumen Output	8631 Lumens
Luminaire Efficacy	85.5 lm/w
Maximum Candela	4619 Candela
CCT	5163 K
CRI	93.4
Duv	-0.0028
TM-30 Rf	89.1
TM-30 Rg	102.4

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	2556	30.5%
0-40	4215	50.3%
0-60	7233	86.3%
0-90	8378	100.0%
40-90	4163	49.7%
60-90	1145	13.7%
90-180	0	0.0%
0-180	8378	100.0%

**Spacing Criteria**

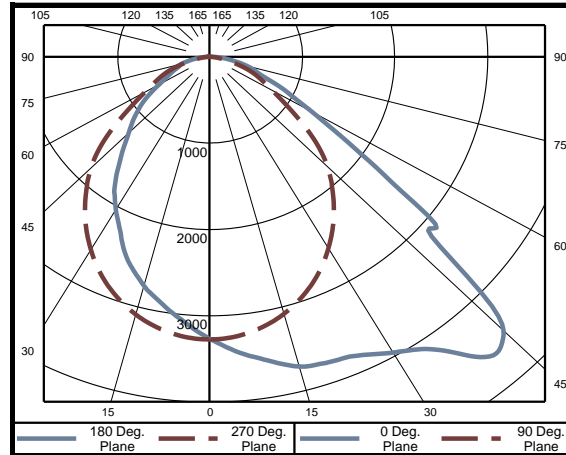
0-180	1.97
90-270	0.96

**Average Luminance cd/m<sup>2</sup>**

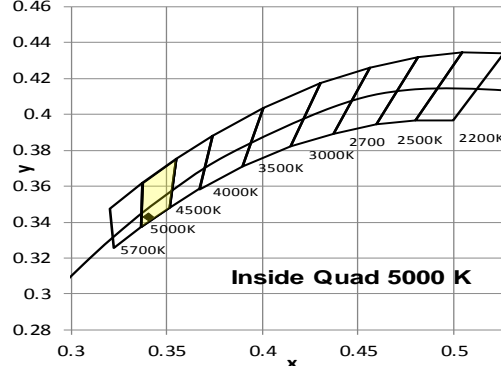
Vertical Angle	Horizontal Angle 0°
0	12690
45	24540
55	14100
65	7931
75	6411
85	6212

**Cone of Light Tabulation**

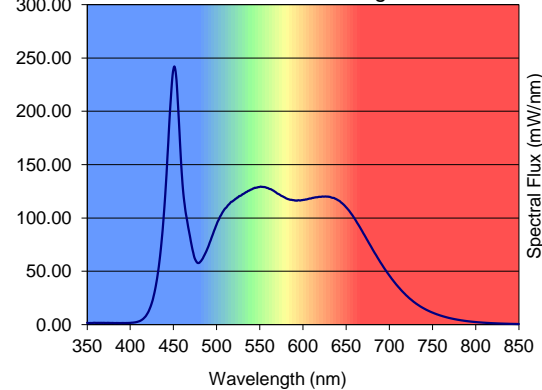
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	205	5.07
6.00	91.0	7.61
8.00	51.2	10.1
10.0	32.7	12.7
12.0	22.7	15.2
14.0	16.7	17.8
16.0	12.8	20.3



**Nominal CCT Quadangles**



**Flux vs Wavelength**



**Intensity (Candlepower) Summary**

Angle	Mean CP	Lumens
0	3275	
5	3262	310
10	3221	
15	3155	892
20	3067	
25	2934	1353
30	2790	
35	2643	1659
40	2516	
45	2321	1748
50	1869	
55	1411	1270
60	996	
65	698	701
70	472	
75	321	342
80	195	
85	91	103
90	14	

**Color Rendering Index Details**

Ra (CRI)	93.4
R1	96.2
R2	94.1
R3	89.3
R4	93.4
R5	95.3
R6	89.4
R7	93.9
R8	95.4
R9	89
R10	84.3
R11	92.9
R12	72.8
R13	95.6
R14	93.7

**Chromaticity Coordinates**

Chromaticity (x)	0.3403
Chromaticity (y)	0.3432
Chromaticity (u)	0.2114
Chromaticity (v)	0.3199
Chromaticity (u')	0.2114
Chromaticity (v')	0.4798
Duv	-0.0028

Testing was performed in accordance with LM-79-08  
The results contained in this summary pertain only to report #12186363.01