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H E Williams Inc
Catalog Number
SRKA-X4-L31/830-X-XXX-UNV (Driver 1)

Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.0 VAC	0.1767 A	21.10 W	0.995	60 Hz	9.83 %

Summary of Results

Total Lumen Output	2823 Lumens
Luminaire Efficacy	134.2 lm/w
Maximum Candela	2661 Candela
CCT	3077 K
CRI	83.3
Duv	-0.0007
TM-30 Rf	84.0
TM-30 Rg	95.9

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1424	50.7%
0-40	1919	68.4%
0-60	2525	90.0%
0-90	2789	99.4%
40-90	870	31.0%
60-90	265	9.4%
90-180	16	0.6%
0-180	2805	100.0%

Spacing Criteria

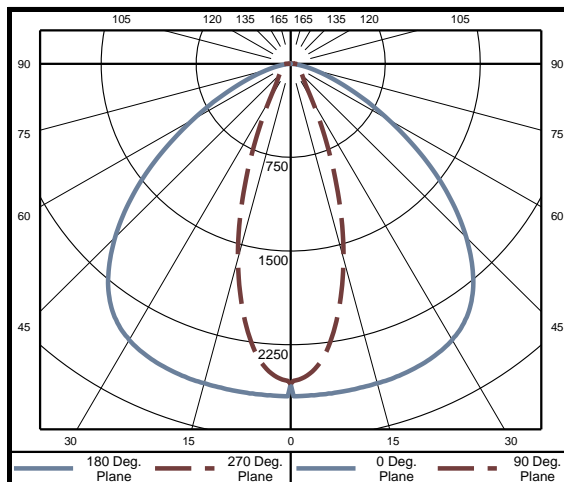
0-180	1.45
90-270	1.45

Average Luminance cd/m²

Vertical Angle	Horizontal Angle 0°
0	18400
45	19750
55	15480
65	9832
75	5480
85	2193

Cone of Light Tabulation

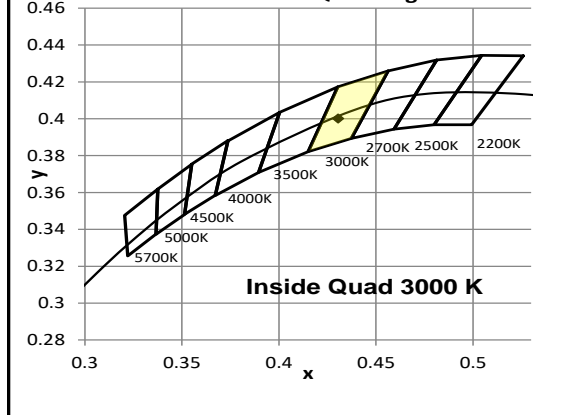
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	160	3.17
6.00	71.2	4.76
8.00	40.1	6.34
10.0	25.6	7.93
12.0	17.8	9.51
14.0	13.1	11.1
16.0	10.0	12.7



Intensity (Candlepower) Summary

Angle	Mean CP	Lumens
0	2564	
5	2507	234
10	2332	
15	2024	570
20	1715	
25	1352	620
30	1035	
35	788	496
40	604	
45	467	363
50	361	
55	269	242
60	189	
65	131	133
70	96	
75	74	80
80	60	
85	48	52
90	33	

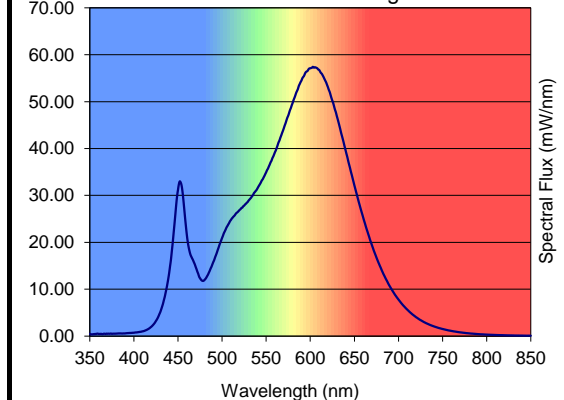
Nominal CCT Quadrangles



Color Rendering Index Details

Ra (CRI)	83.3
R1	82.1
R2	92.3
R3	95.3
R4	81.5
R5	82.8
R6	91.1
R7	82.3
R8	59.1
R9	7.7
R10	82.8
R11	81.6
R12	75.4
R13	84.7
R14	98.0

Flux vs Wavelength



Chromaticity Coordinates

Chromaticity (x)	0.4305
Chromaticity (y)	0.4001
Chromaticity (u)	0.2481
Chromaticity (v)	0.3459
Chromaticity (u')	0.2481
Chromaticity (v')	0.5188
Duv	-0.0007

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #12118431.06