

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P527233

Luminaire Tested: **GALN-SA2B-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2B-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6254 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

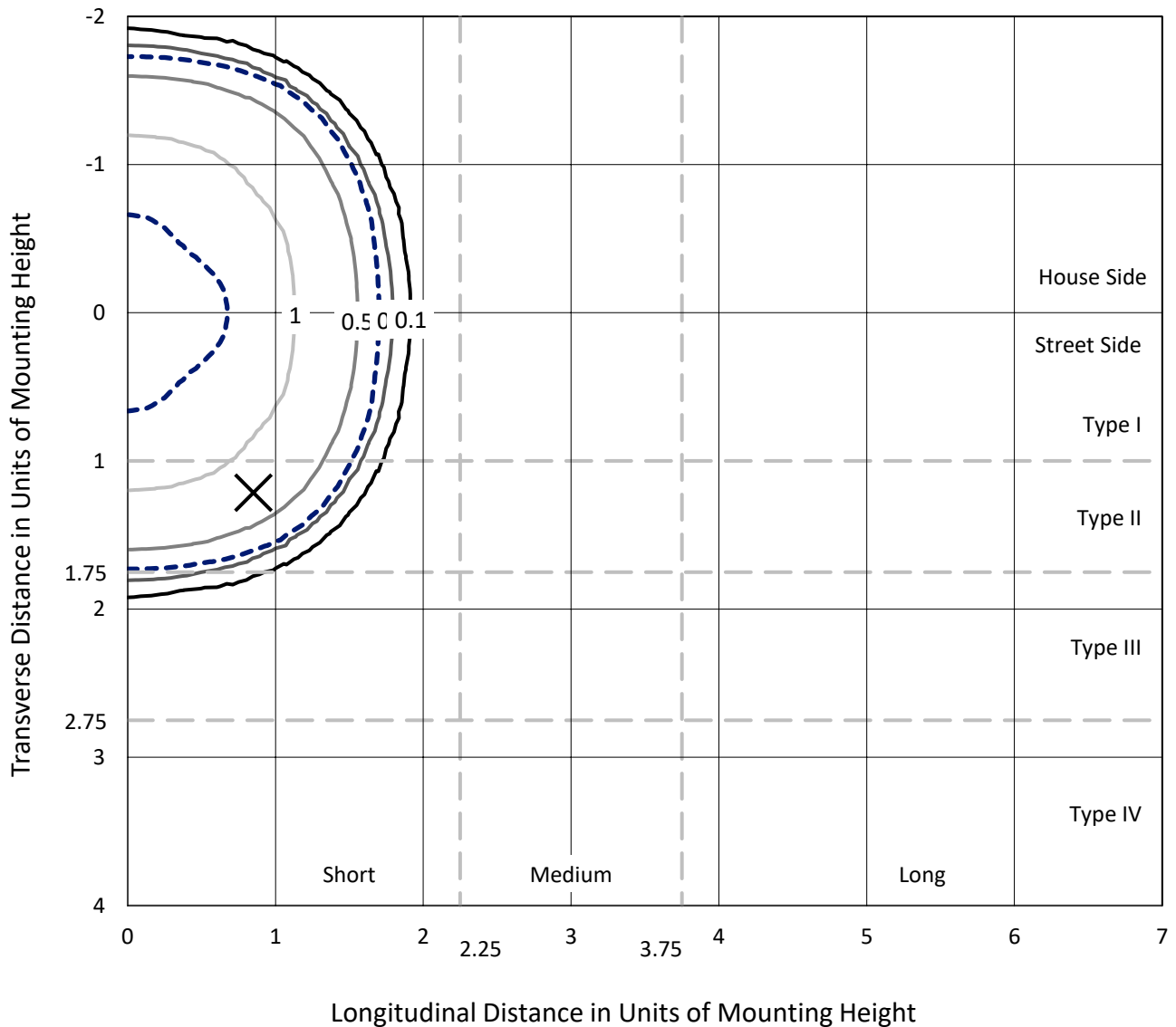
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

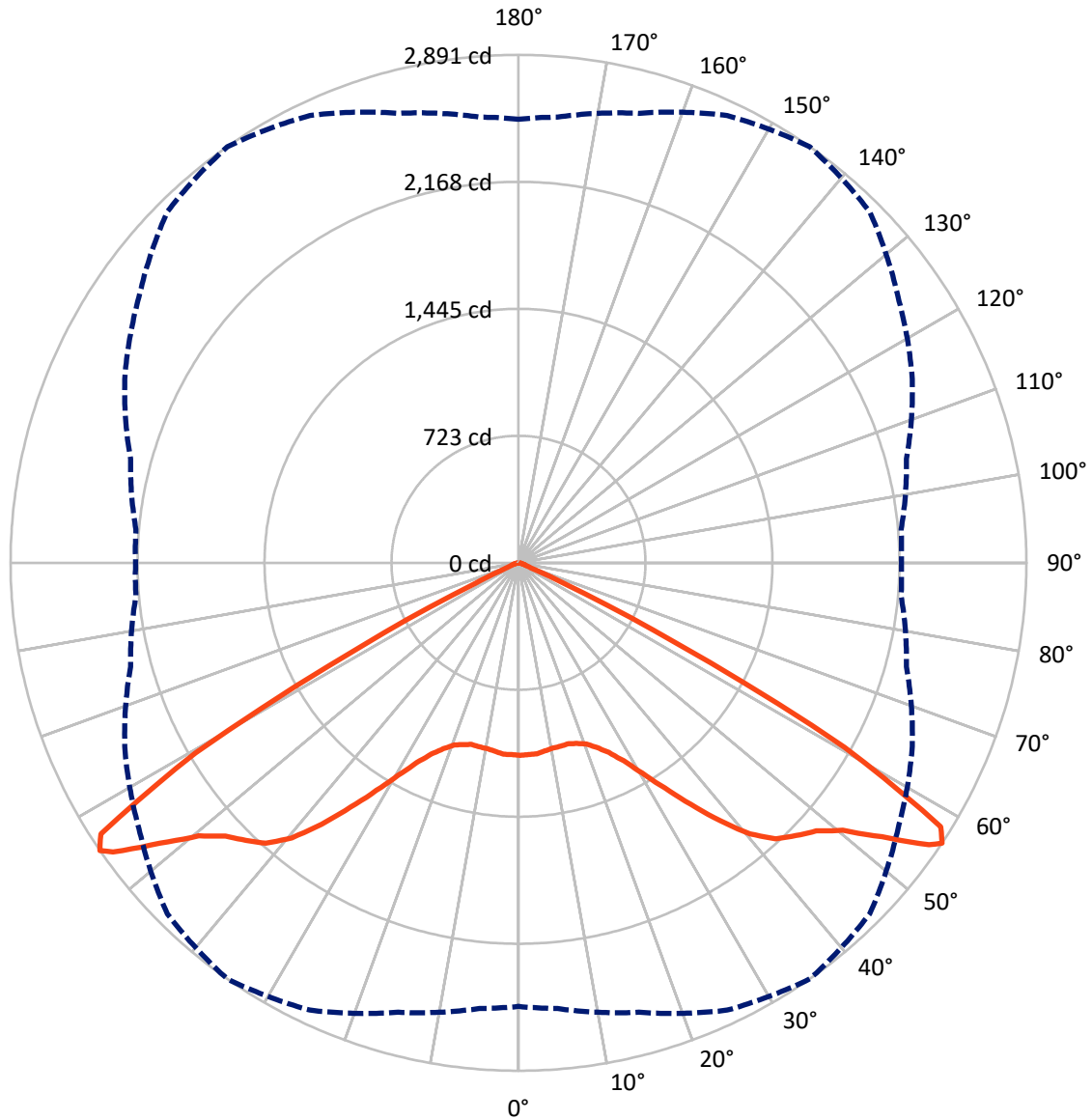
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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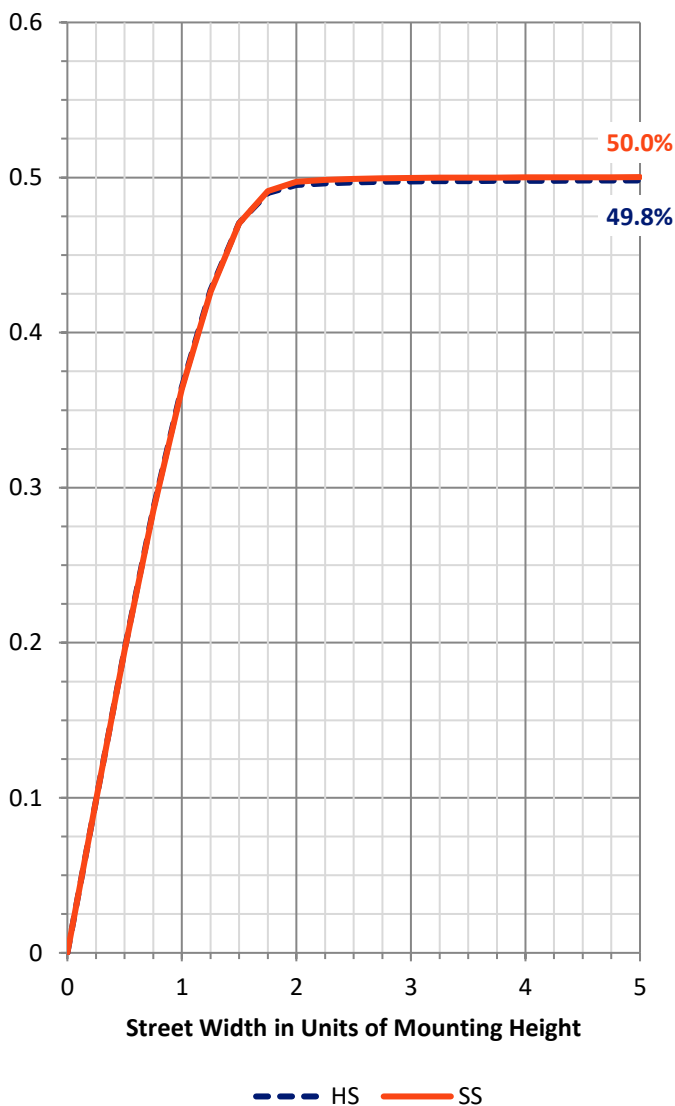
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3127.0	0.0	3127.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3127.0	0.0	3127.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6254.0	0.0	6254.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.0	1.6
10°-20°	300.7	4.8
20°-30°	544.5	8.7
30°-40°	1009.7	16.1
40°-50°	1657.4	26.5
50°-60°	2135.2	34.1
60°-70°	470.6	7.5
70°-80°	27.3	0.4
80°-90°	5.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6254.0	100.0
0°-180°	6254.0	100.0

**Coefficient of Utilization**

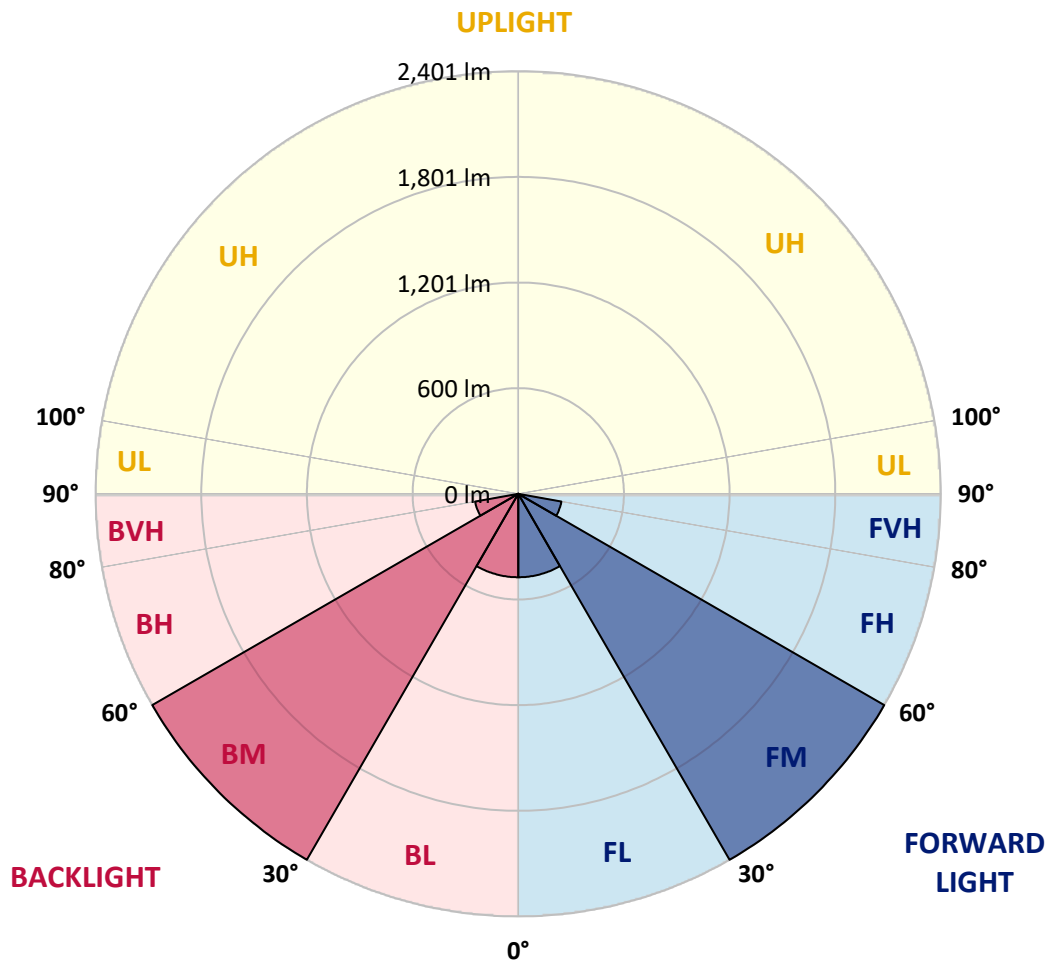


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.1	7.6			
FM (30°-60°)	2401.1	38.4			
FH (60°-80°)	248.9	4.0			G0/660
FVH (80°-90°)	2.9	0.0			G0/10
BL (0°-30°)	474.1	7.6	B1/500		
BM (30°-60°)	2401.1	38.4	B2/2500		
BH (60°-80°)	248.9	4.0	B1/500		G0/660
BVH (80°-90°)	2.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8
2.5°	1098.1	1098.1	1099.2	1100.4	1092.4	1089.0	1090.2	1087.9	1086.8	1090.2	1090.2
5°	1094.7	1094.7	1091.3	1092.4	1092.4	1082.2	1082.2	1084.5	1084.5	1077.7	1075.4
7.5°	1085.6	1083.4	1078.8	1084.5	1081.1	1081.1	1073.2	1067.5	1065.2	1069.8	1065.2
10°	1066.4	1067.5	1072.0	1074.3	1072.0	1078.8	1065.2	1057.3	1049.4	1046.0	1046.0
12.5°	1057.3	1064.1	1057.3	1063.0	1070.9	1065.2	1057.3	1051.6	1040.3	1035.8	1035.8
15°	1056.2	1060.7	1063.0	1070.9	1067.5	1069.8	1053.9	1047.1	1030.1	1022.2	1018.8
17.5°	1055.0	1060.7	1064.1	1078.8	1081.1	1082.2	1069.8	1049.4	1034.6	1026.7	1018.8
20°	1067.5	1069.8	1076.6	1091.3	1100.4	1116.2	1093.6	1072.0	1040.3	1031.2	1027.8
22.5°	1083.4	1094.7	1101.5	1117.4	1141.2	1154.8	1125.3	1098.1	1065.2	1053.9	1040.3
25°	1134.4	1132.1	1143.4	1176.3	1195.6	1205.8	1182.0	1142.3	1099.2	1085.6	1087.9
27.5°	1197.8	1200.1	1210.3	1246.6	1274.9	1290.8	1262.4	1210.3	1168.4	1145.7	1143.4
30°	1280.6	1278.3	1289.6	1338.3	1389.3	1413.1	1363.3	1302.1	1261.3	1231.8	1238.6
32.5°	1367.8	1368.9	1400.7	1444.9	1527.6	1574.1	1493.6	1418.8	1357.6	1337.2	1327.0
35°	1497.0	1502.7	1527.6	1595.6	1687.4	1747.4	1659.1	1569.5	1499.3	1461.9	1466.4
37.5°	1656.8	1651.1	1693.0	1766.7	1863.0	1907.2	1832.4	1730.4	1659.1	1634.1	1650.0
40°	1826.8	1832.4	1854.0	1920.8	2028.5	2057.9	1946.9	1891.4	1829.0	1816.6	1835.8
42.5°	1996.8	1993.4	2009.2	2069.3	2147.5	2127.1	2061.3	2028.5	1984.3	1959.4	1985.4
45°	2121.4	2115.7	2145.2	2186.0	2214.3	2175.8	2146.3	2135.0	2112.3	2085.1	2108.9
47.5°	2242.7	2238.1	2266.5	2277.8	2280.1	2229.1	2234.7	2255.1	2198.5	2141.8	2169.0
50°	2345.8	2337.9	2373.0	2397.9	2392.3	2310.7	2331.1	2310.7	2222.3	2155.4	2145.2
52.5°	2518.0	2521.4	2558.8	2604.2	2590.6	2522.6	2493.1	2400.2	2286.9	2226.8	2191.7
55°	2626.8	2609.8	2674.4	2818.3	2834.2	2764.0	2633.6	2496.5	2326.5	2252.9	2243.8
56°	2524.8	2546.4	2648.4	2809.3	2890.9	2826.3	2637.0	2472.7	2285.7	2186.0	2179.2
57.5°	2265.3	2254.0	2392.3	2612.1	2834.2	2807.0	2544.1	2302.7	2085.1	1973.0	1959.4
60°	1409.7	1442.6	1563.9	1835.8	2132.7	2146.3	1885.7	1678.3	1424.5	1324.7	1348.5
62.5°	551.9	523.6	599.5	802.3	1006.3	1051.6	953.0	792.1	650.5	551.9	545.1
65°	128.1	124.7	140.5	193.8	270.8	313.9	298.0	214.2	157.5	149.6	138.3
67.5°	72.5	72.5	69.1	69.1	75.9	80.5	77.1	75.9	79.3	82.7	81.6
70°	51.0	49.9	47.6	48.7	46.5	46.5	49.9	55.5	60.1	60.1	61.2
72.5°	30.6	30.6	30.6	34.0	34.0	34.0	37.4	41.9	43.1	41.9	40.8
75°	13.6	13.6	15.9	19.3	21.5	22.7	26.1	28.3	30.6	28.3	26.1
77.5°	3.4	3.4	5.7	7.9	10.2	12.5	17.0	20.4	21.5	20.4	17.0
80°	1.1	1.1	2.3	5.7	10.2	12.5	17.0	18.1	19.3	17.0	13.6
82.5°	1.1	1.1	2.3	5.7	7.9	10.2	13.6	15.9	17.0	14.7	13.6
85°	0.0	1.1	2.3	4.5	6.8	9.1	9.1	6.8	5.7	3.4	4.5
87.5°	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)