

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: P527943

Luminaire Tested: **GALN-SA3A-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8034 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

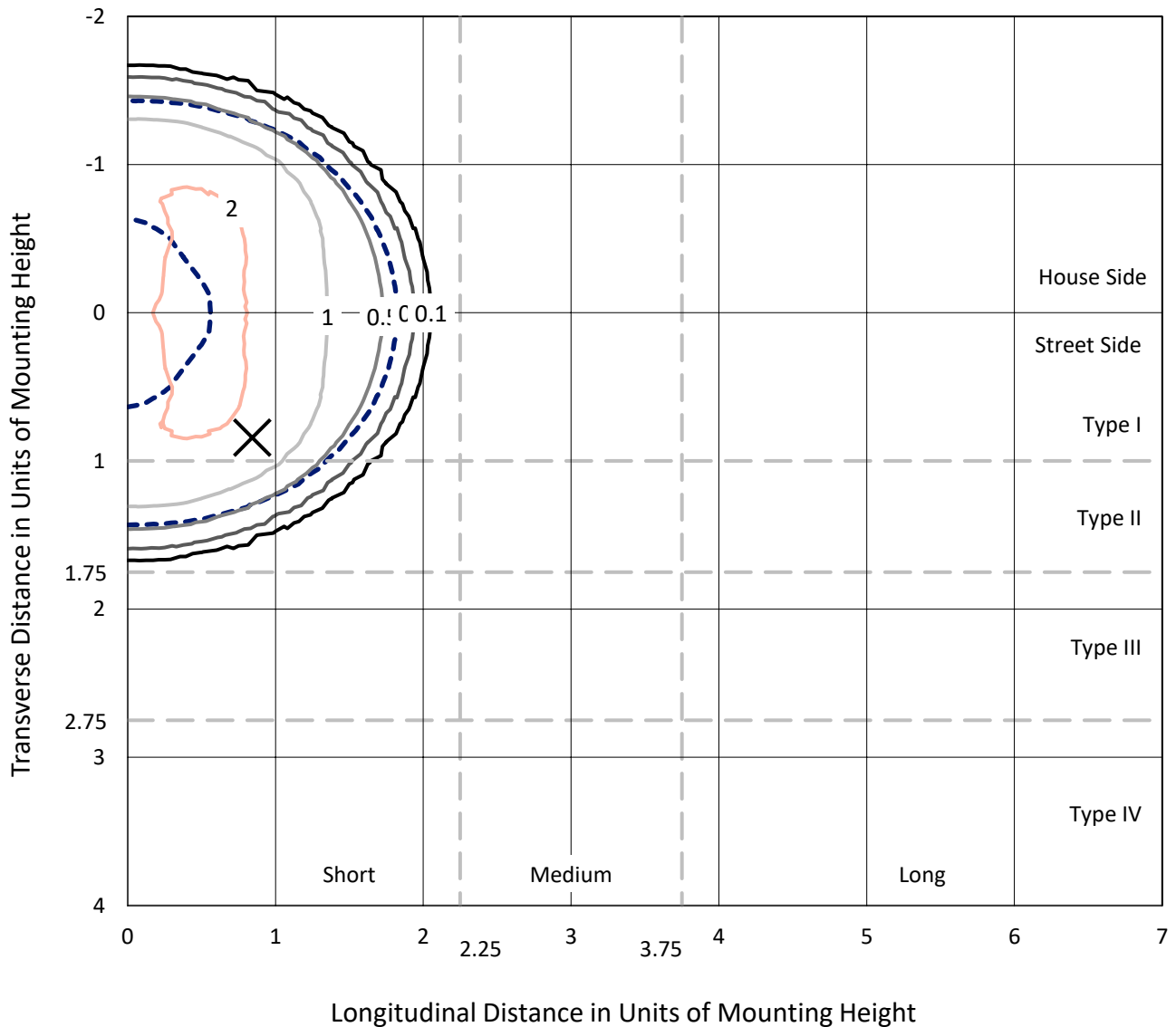
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

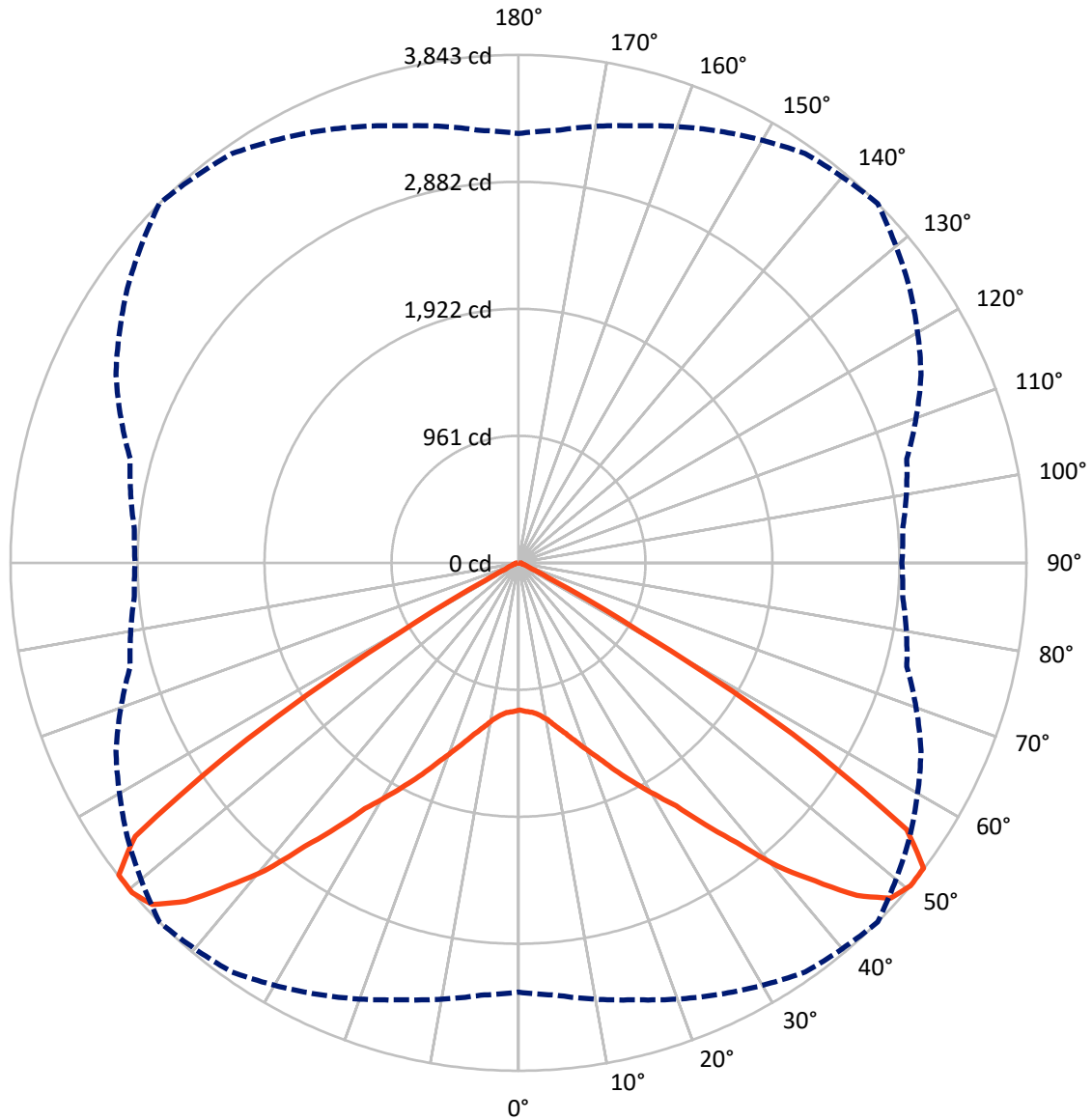
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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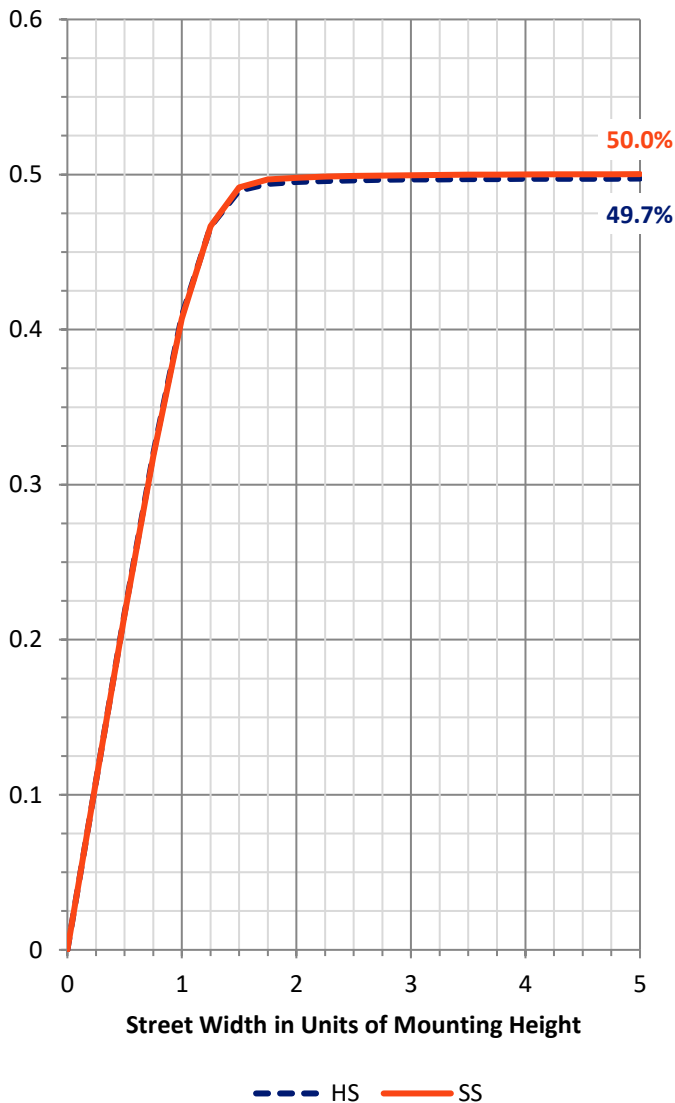
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4017.0	0.0	4017.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4017.0	0.0	4017.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8034.0	0.0	8034.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.4
10°-20°	381.9	4.8
20°-30°	780.0	9.7
30°-40°	1487.5	18.5
40°-50°	2506.6	31.2
50°-60°	2390.5	29.8
60°-70°	333.7	4.2
70°-80°	31.9	0.4
80°-90°	11.0	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°	8034.0	100.0
0°-180°	8034.0	100.0

Coefficient of Utilization

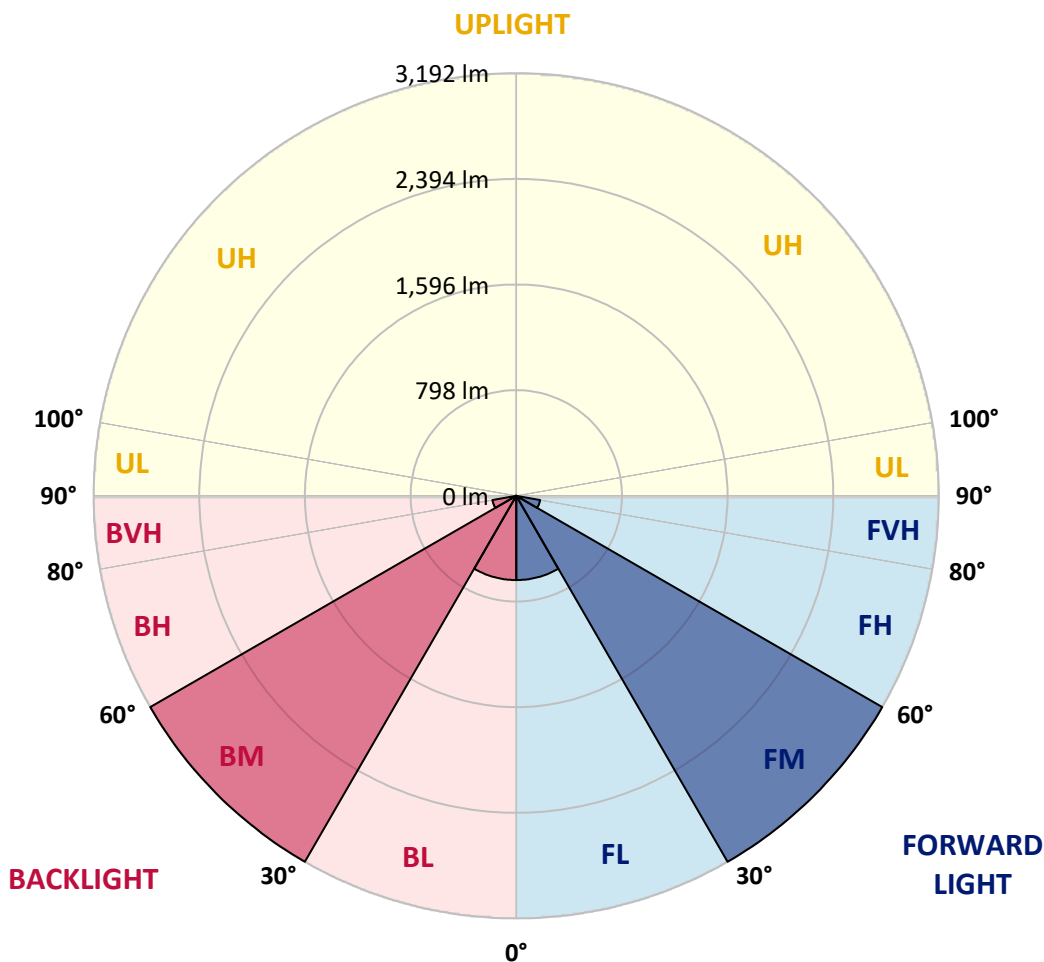


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	636.4	7.9			
FM (30°-60°)	3192.3	39.7			
FH (60°-80°)	182.8	2.3			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	636.4	7.9	B2/1000		
BM (30°-60°)	3192.3	39.7	B3/5000		
BH (60°-80°)	182.8	2.3	B1/500		G0/660
BVH (80°-90°)	5.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8
2.5°	1109.8	1109.8	1108.4	1119.2	1113.8	1126.0	1124.6	1128.7	1132.7	1131.4	1142.2
5°	1100.3	1099.0	1099.0	1111.1	1123.3	1136.8	1149.0	1157.1	1170.6	1170.6	1184.1
7.5°	1109.8	1103.0	1112.5	1117.9	1140.9	1163.8	1184.1	1200.3	1231.4	1242.2	1238.2
10°	1112.5	1120.6	1127.3	1143.6	1172.0	1207.1	1224.7	1265.2	1300.4	1324.7	1330.1
12.5°	1130.0	1142.2	1161.1	1200.3	1226.0	1272.0	1296.3	1335.5	1384.2	1411.2	1430.1
15°	1163.8	1167.9	1192.2	1242.2	1297.7	1339.6	1377.4	1405.8	1453.1	1484.2	1485.6
17.5°	1207.1	1224.7	1258.5	1305.8	1363.9	1426.1	1455.8	1486.9	1504.5	1546.4	1555.8
20°	1293.6	1296.3	1328.8	1390.9	1463.9	1520.7	1542.3	1558.5	1551.8	1595.0	1603.2
22.5°	1374.7	1377.4	1418.0	1501.8	1580.2	1628.8	1638.3	1628.8	1608.6	1639.6	1642.4
25°	1457.2	1481.5	1511.2	1595.0	1692.4	1757.2	1758.6	1732.9	1691.0	1696.4	1709.9
27.5°	1585.6	1603.2	1634.2	1711.3	1818.1	1891.1	1878.9	1847.8	1793.7	1797.8	1793.7
30°	1735.6	1751.8	1777.5	1876.2	1954.6	2034.4	2051.9	2022.2	1941.1	1923.5	1943.8
32.5°	1916.8	1939.7	1987.0	2077.6	2143.8	2192.5	2204.7	2193.9	2118.2	2111.4	2124.9
35°	2137.1	2168.2	2211.4	2291.2	2345.3	2433.1	2433.1	2396.6	2327.7	2335.8	2334.4
37.5°	2369.6	2415.5	2483.1	2564.2	2637.2	2684.5	2669.7	2638.6	2569.6	2552.1	2569.6
40°	2661.6	2684.5	2769.7	2875.1	2964.3	3018.4	2954.9	2887.3	2722.4	2748.1	2795.4
42.5°	2927.8	2964.3	3029.2	3145.5	3246.9	3291.5	3215.8	3081.9	2883.2	2863.0	2898.1
45°	3154.9	3194.1	3279.3	3445.6	3552.3	3591.5	3423.9	3207.7	2980.6	2929.2	2944.1
47.5°	3306.3	3326.6	3445.6	3603.7	3701.0	3790.3	3549.6	3294.2	3026.5	2929.2	2923.8
50°	3248.2	3283.4	3422.6	3602.4	3779.4	3843.0	3613.2	3360.4	3041.4	2917.0	2900.8
52.5°	2884.6	2945.4	3100.9	3342.8	3610.5	3837.6	3701.0	3338.8	3036.0	2929.2	2953.5
55°	2007.3	2008.7	2197.9	2554.8	3027.9	3563.2	3572.6	3363.1	3071.1	3004.9	3006.2
57.5°	807.0	847.5	992.2	1350.4	1787.0	2446.6	2908.9	3119.8	3075.2	3059.0	3100.9
60°	204.1	205.5	250.1	381.2	628.6	1048.9	1523.4	2061.4	2373.6	2480.4	2495.3
62.5°	104.1	105.4	116.2	135.2	171.7	281.2	500.1	793.5	1128.7	1299.0	1343.6
65°	85.2	85.2	91.9	101.4	102.7	108.1	129.8	185.2	269.0	305.5	309.5
67.5°	64.9	64.9	70.3	75.7	78.4	77.0	74.3	77.0	93.3	89.2	86.5
70°	40.6	41.9	44.6	50.0	52.7	54.1	55.4	58.1	66.2	68.9	66.2
72.5°	24.3	24.3	25.7	29.7	33.8	36.5	40.6	43.3	47.3	54.1	52.7
75°	10.8	10.8	13.5	17.6	21.6	25.7	29.7	33.8	36.5	40.6	41.9
77.5°	2.7	4.1	6.8	12.2	16.2	21.6	27.0	31.1	33.8	33.8	32.4
80°	1.4	1.4	5.4	9.5	17.6	23.0	29.7	32.4	36.5	33.8	29.7
82.5°	1.4	1.4	5.4	9.5	16.2	23.0	31.1	35.1	37.8	33.8	28.4
85°	0.0	1.4	4.1	8.1	13.5	16.2	13.5	9.5	5.4	5.4	4.1
87.5°	0.0	0.0	1.4	1.4	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)