

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: P650731

Luminaire Tested: **GALN-SA2C-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650731
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-SA2C-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1050mA 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: 7684.2 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

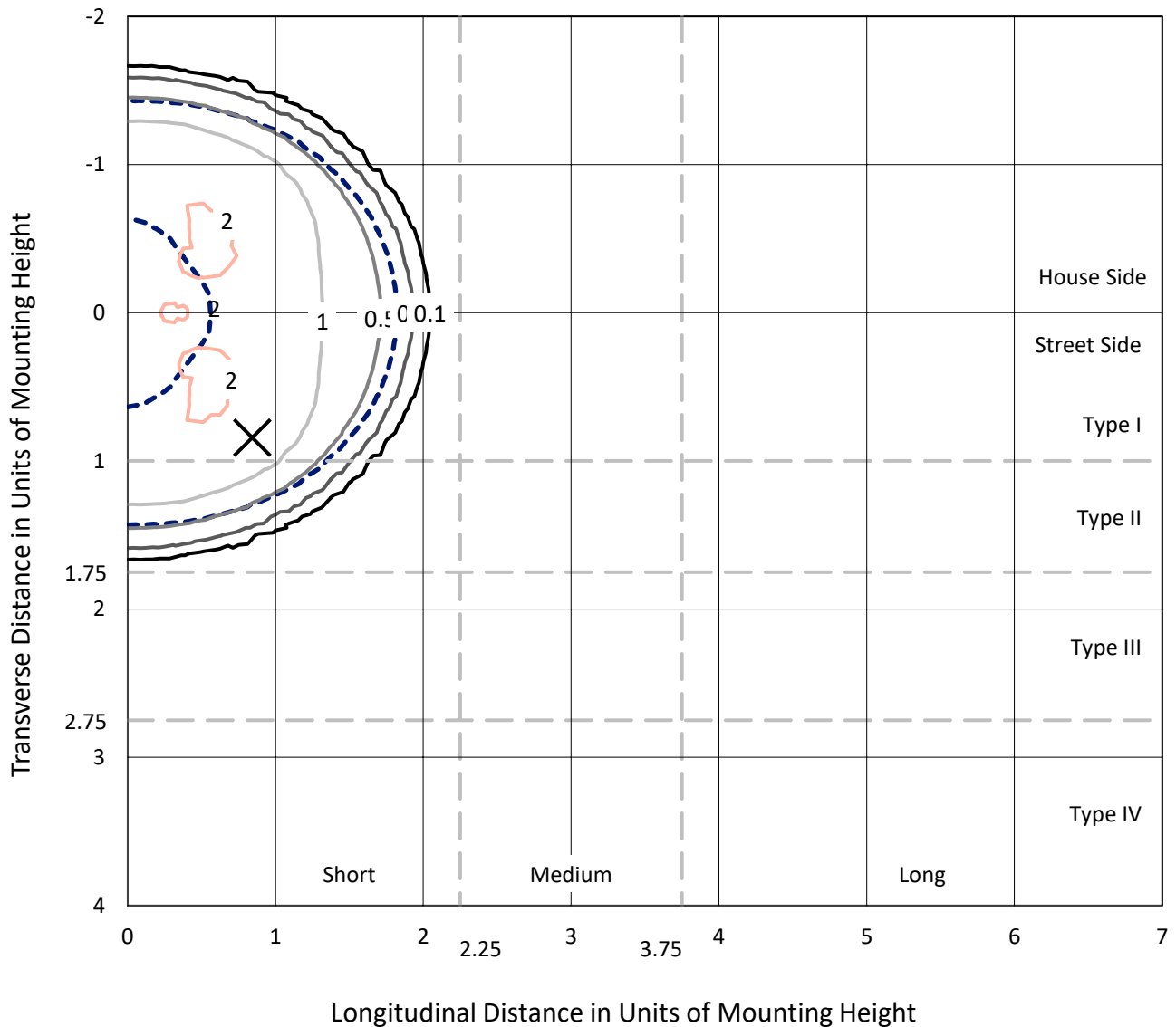
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

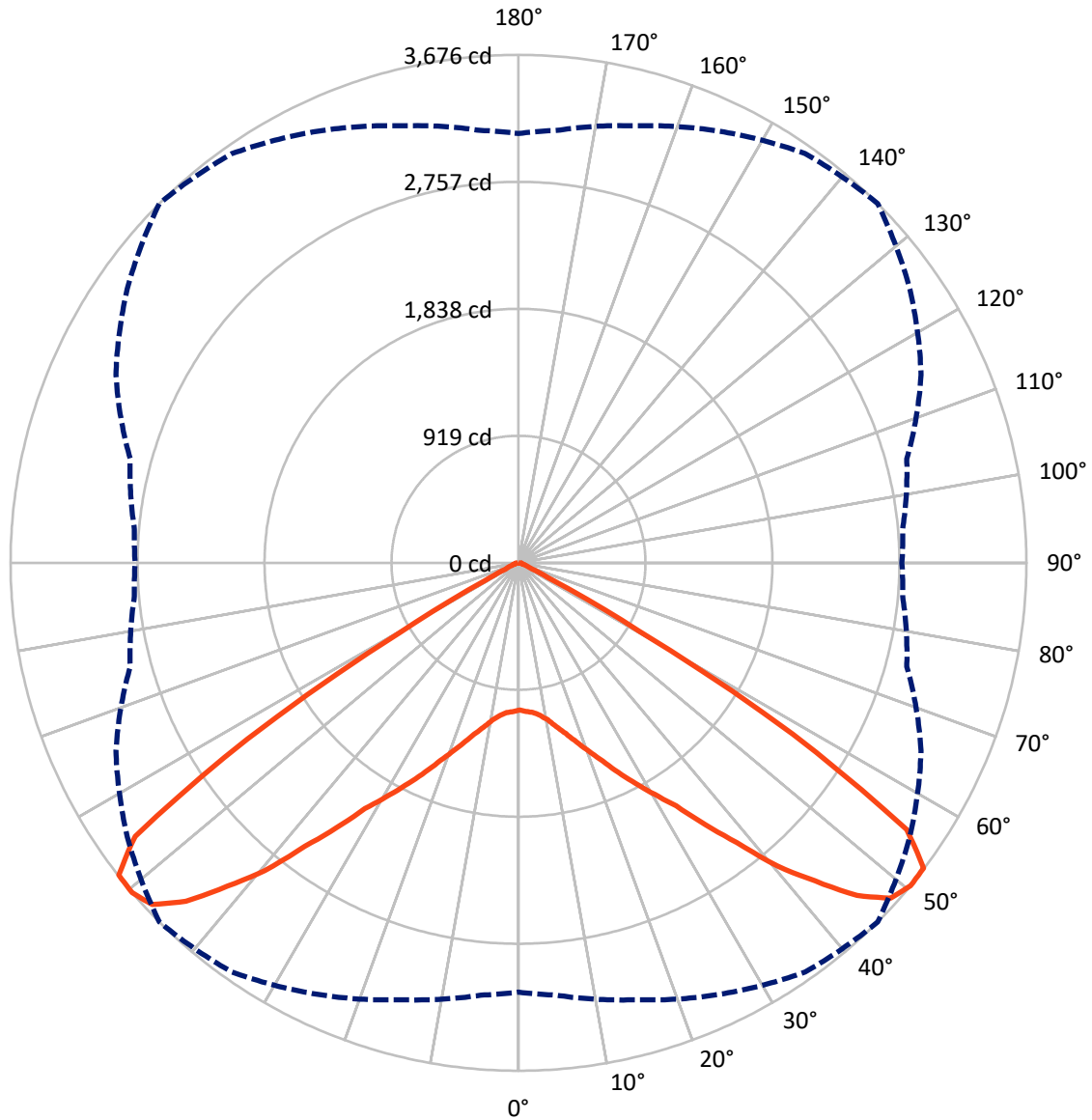
✕ Max cd
 - - - 1/2 Max cd



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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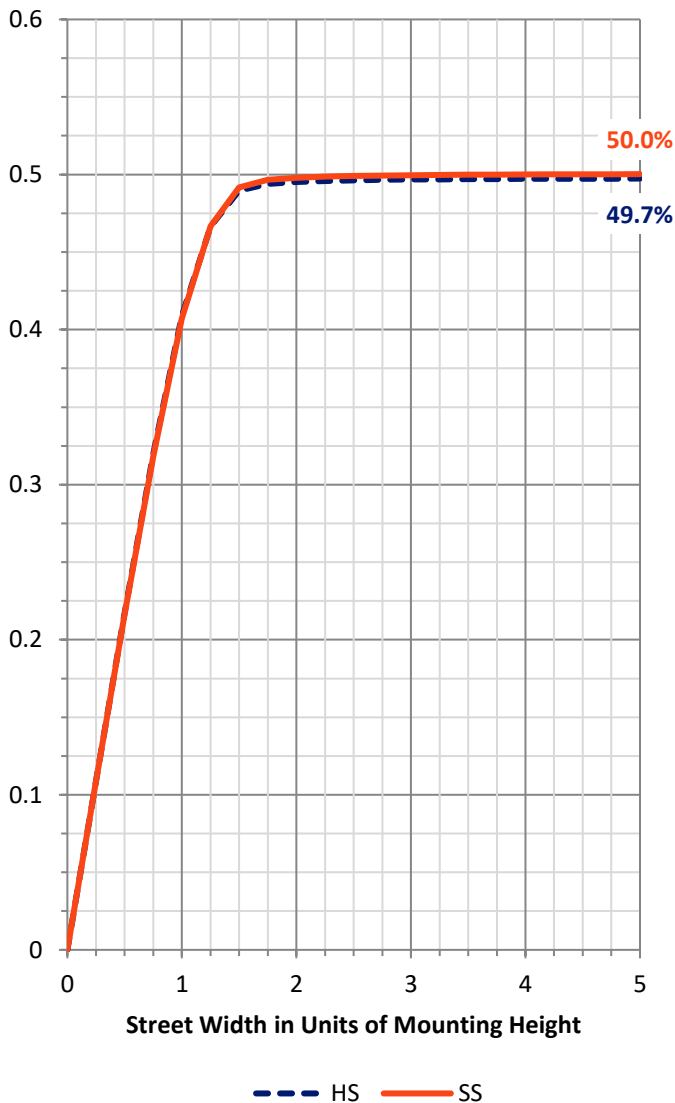
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3842.1	0.0	3842.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3842.1	0.0	3842.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7684.2	0.0	7684.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	1.4
10°-20°	365.3	4.8
20°-30°	746.1	9.7
30°-40°	1422.7	18.5
40°-50°	2397.5	31.2
50°-60°	2286.4	29.8
60°-70°	319.2	4.2
70°-80°	30.5	0.4
80°-90°	10.5	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°	7684.2	100.0
0°-180°	7684.2	100.0

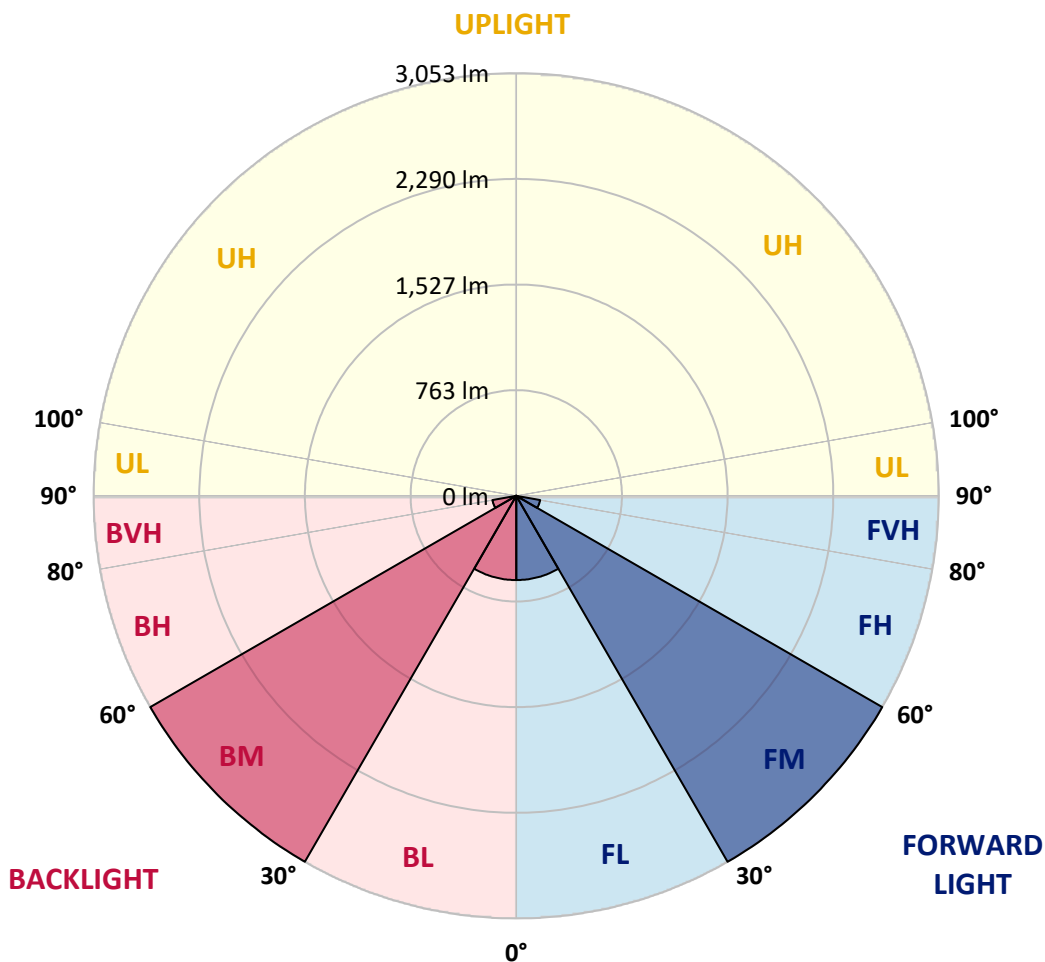


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.7	7.9			
FM (30°-60°)	3053.3	39.7			
FH (60°-80°)	174.9	2.3			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	608.7	7.9	B2/1000		
BM (30°-60°)	3053.3	39.7	B3/5000		
BH (60°-80°)	174.9	2.3	B1/500		G0/660
BVH (80°-90°)	5.3	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°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1061.4	1061.4	1060.2	1070.5	1065.3	1077.0	1075.6	1079.6	1083.5	1082.1	1092.5
5°	1052.4	1051.1	1051.1	1062.8	1074.4	1087.3	1098.9	1106.7	1119.6	1119.6	1132.6
7.5°	1061.4	1055.0	1064.0	1069.2	1091.2	1113.1	1132.6	1148.0	1177.8	1188.2	1184.3
10°	1064.0	1071.8	1078.2	1093.8	1120.9	1154.5	1171.3	1210.1	1243.8	1267.1	1272.2
12.5°	1080.9	1092.5	1110.6	1148.0	1172.6	1216.6	1239.9	1277.4	1323.9	1349.8	1367.9
15°	1113.1	1117.0	1140.3	1188.2	1241.1	1281.3	1317.4	1344.6	1389.8	1419.6	1420.9
17.5°	1154.5	1171.3	1203.6	1248.9	1304.5	1364.0	1392.4	1422.1	1439.0	1479.1	1488.1
20°	1237.3	1239.9	1270.9	1330.4	1400.2	1454.5	1475.2	1490.7	1484.2	1525.6	1533.4
22.5°	1314.8	1317.4	1356.2	1436.4	1511.4	1558.0	1567.0	1558.0	1538.5	1568.3	1570.8
25°	1393.7	1417.0	1445.4	1525.6	1618.7	1680.7	1682.0	1657.4	1617.4	1622.5	1635.5
27.5°	1516.6	1533.4	1563.1	1636.8	1738.9	1808.7	1797.1	1767.4	1715.6	1719.5	1715.6
30°	1660.0	1675.6	1700.2	1794.5	1869.5	1945.8	1962.6	1934.1	1856.6	1839.8	1859.2
32.5°	1833.3	1855.2	1900.5	1987.1	2050.5	2097.0	2108.7	2098.4	2026.0	2019.5	2032.4
35°	2044.1	2073.7	2115.1	2191.4	2243.1	2327.2	2327.2	2292.3	2226.4	2234.1	2232.8
37.5°	2266.4	2310.4	2375.0	2452.6	2522.4	2567.7	2553.4	2523.7	2457.7	2440.9	2457.7
40°	2545.7	2567.7	2649.2	2750.0	2835.3	2887.0	2826.3	2761.6	2603.8	2628.5	2673.7
42.5°	2800.4	2835.3	2897.3	3008.5	3105.5	3148.2	3075.8	2947.8	2757.7	2738.3	2771.9
45°	3017.6	3055.1	3136.5	3295.5	3397.7	3435.1	3274.9	3068.0	2850.8	2801.7	2815.9
47.5°	3162.4	3181.8	3295.5	3446.8	3539.9	3625.2	3395.1	3150.7	2894.7	2801.7	2796.5
50°	3106.8	3140.4	3273.6	3445.5	3614.9	3675.7	3455.8	3214.1	2909.0	2790.0	2774.5
52.5°	2759.0	2817.2	2965.9	3197.3	3453.3	3670.5	3539.9	3193.4	2903.8	2801.7	2824.9
55°	1919.9	1921.2	2102.2	2443.5	2896.1	3408.1	3417.1	3216.7	2937.4	2874.0	2875.4
57.5°	771.9	810.6	949.0	1291.6	1709.2	2340.1	2782.3	2984.0	2941.3	2925.8	2965.9
60°	195.2	196.5	239.2	364.6	601.1	1003.3	1457.0	1971.6	2270.3	2372.5	2386.7
62.5°	99.6	100.8	111.2	129.3	164.2	269.0	478.4	758.9	1079.6	1242.5	1285.1
65°	81.5	81.5	87.9	97.0	98.2	103.4	124.1	177.1	257.3	292.2	296.0
67.5°	62.1	62.1	67.2	72.4	75.0	73.7	71.1	73.7	89.2	85.4	82.8
70°	38.8	40.1	42.6	47.9	50.5	51.7	53.0	55.6	63.3	65.9	63.3
72.5°	23.3	23.3	24.6	28.4	32.3	34.9	38.8	41.4	45.2	51.7	50.5
75°	10.3	10.3	13.0	16.8	20.7	24.6	28.4	32.3	34.9	38.8	40.1
77.5°	2.6	3.9	6.5	11.6	15.5	20.7	25.8	29.8	32.3	32.3	31.0
80°	1.3	1.3	5.1	9.1	16.8	22.0	28.4	31.0	34.9	32.3	28.4
82.5°	1.3	1.3	5.1	9.1	15.5	22.0	29.8	33.6	36.2	32.3	27.2
85°	0.0	1.3	3.9	7.7	13.0	15.5	13.0	9.1	5.1	5.1	3.9
87.5°	0.0	0.0	1.3	1.3	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)