

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: P527267

Luminaire Tested: **GALN-SA2B-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527267
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-SA2B-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA 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: 6889 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

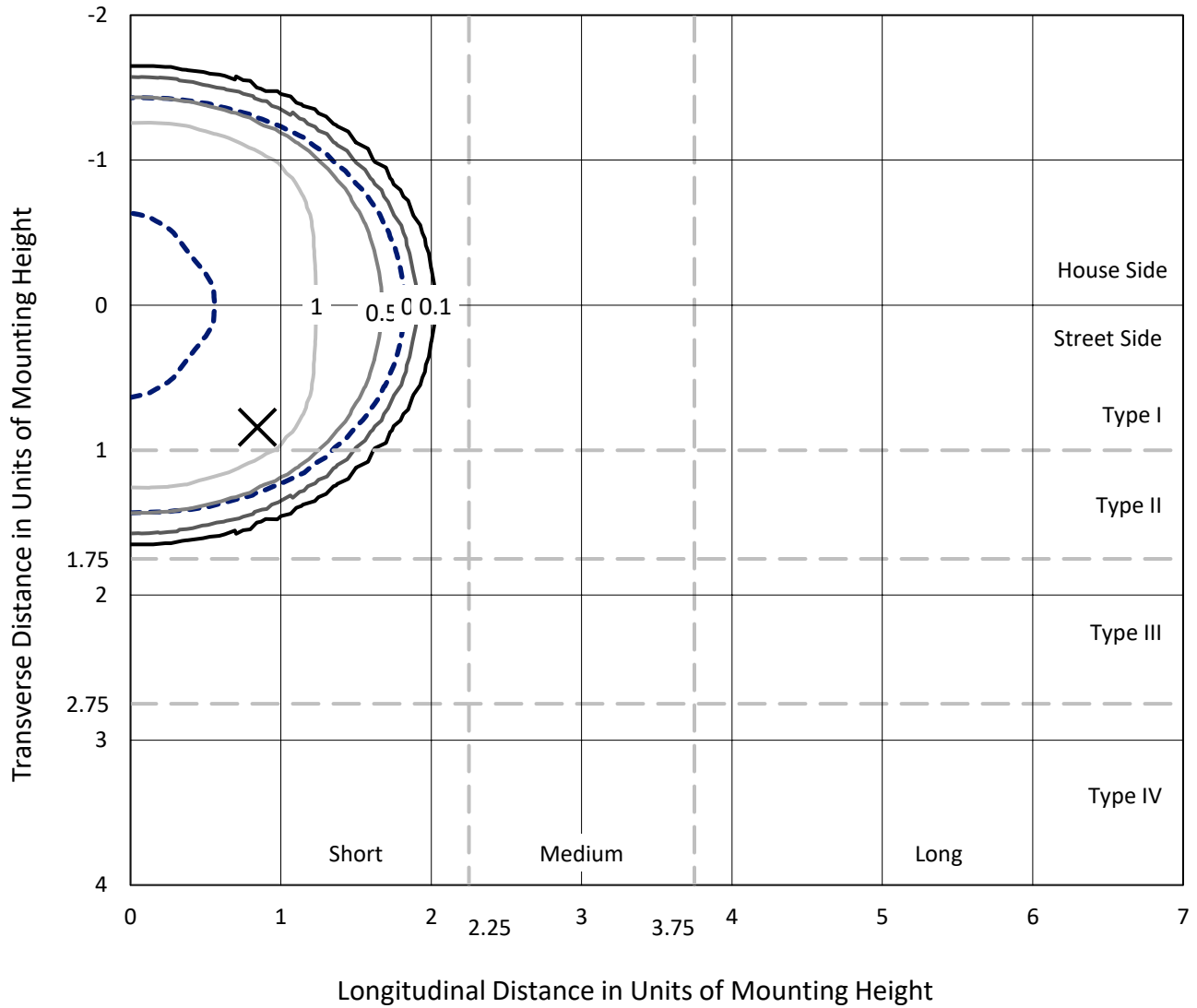
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

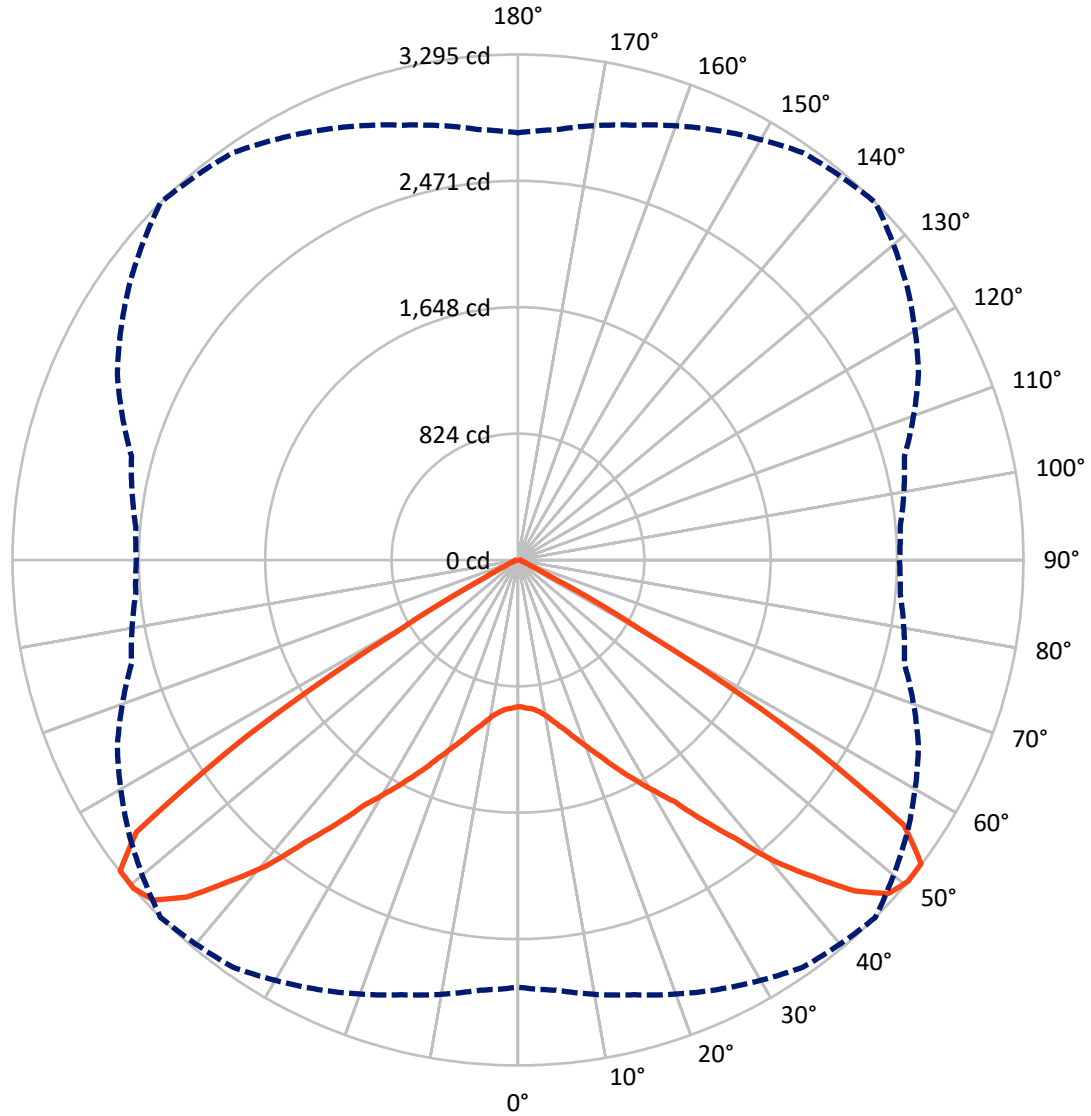
× Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3444.5	0.0	3444.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3444.5	0.0	3444.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6889.0	0.0	6889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	1.4
10°-20°	327.5	4.8
20°-30°	668.8	9.7
30°-40°	1275.5	18.5
40°-50°	2149.4	31.2
50°-60°	2049.8	29.8
60°-70°	286.1	4.2
70°-80°	27.4	0.4
80°-90°	9.5	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°	6889.0	100.0
0°-180°	6889.0	100.0

Coefficient of Utilization



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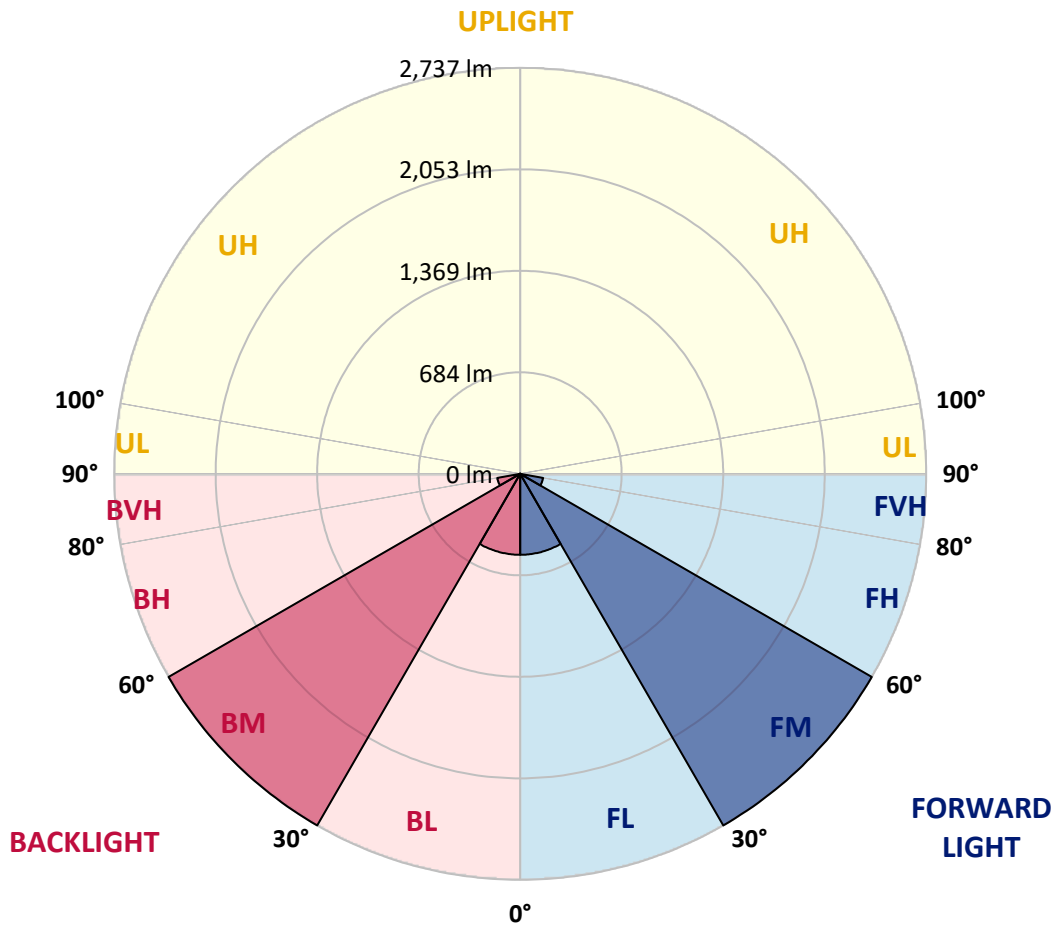
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.7	7.9			
FM (30°-60°)	2737.3	39.7			
FH (60°-80°)	156.8	2.3			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	545.7	7.9	B2/1000		
BM (30°-60°)	2737.3	39.7	B3/5000		
BH (60°-80°)	156.8	2.3	B1/500		G0/660
BVH (80°-90°)	4.7	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°	955.1	955.1	955.1	955.1	955.1	955.1	955.1	955.1	955.1	955.1	955.1
2.5°	951.6	951.6	950.4	959.7	955.1	965.5	964.4	967.8	971.3	970.2	979.4
5°	943.5	942.3	942.3	952.8	963.2	974.8	985.2	992.2	1003.8	1003.8	1015.4
7.5°	951.6	945.8	953.9	958.6	978.3	998.0	1015.4	1029.3	1055.9	1065.2	1061.7
10°	953.9	960.9	966.7	980.6	1004.9	1035.1	1050.1	1084.9	1115.0	1135.9	1140.5
12.5°	969.0	979.4	995.7	1029.3	1051.3	1090.7	1111.6	1145.2	1186.9	1210.1	1226.3
15°	998.0	1001.4	1022.3	1065.2	1112.7	1148.7	1181.1	1205.4	1246.0	1272.7	1273.8
17.5°	1035.1	1050.1	1079.1	1119.7	1169.5	1222.8	1248.3	1275.0	1290.1	1326.0	1334.1
20°	1109.2	1111.6	1139.4	1192.7	1255.3	1304.0	1322.5	1336.4	1330.6	1367.7	1374.7
22.5°	1178.8	1181.1	1215.9	1287.7	1355.0	1396.7	1404.8	1396.7	1379.3	1406.0	1408.3
25°	1249.5	1270.4	1295.9	1367.7	1451.2	1506.8	1508.0	1485.9	1450.0	1454.6	1466.2
27.5°	1359.6	1374.7	1401.3	1467.4	1559.0	1621.6	1611.1	1584.5	1538.1	1541.6	1538.1
30°	1488.3	1502.2	1524.2	1608.8	1676.0	1744.4	1759.5	1734.0	1664.4	1649.4	1666.8
32.5°	1643.6	1663.3	1703.9	1781.5	1838.3	1880.0	1890.5	1881.2	1816.3	1810.5	1822.1
35°	1832.5	1859.2	1896.3	1964.6	2011.0	2086.3	2086.3	2055.1	1995.9	2002.9	2001.7
37.5°	2031.9	2071.3	2129.2	2198.8	2261.4	2301.9	2289.2	2262.5	2203.4	2188.3	2203.4
40°	2282.2	2301.9	2375.0	2465.4	2541.9	2588.2	2533.8	2475.8	2334.4	2356.4	2397.0
42.5°	2510.6	2541.9	2597.5	2697.2	2784.1	2822.4	2757.5	2642.7	2472.3	2454.9	2485.1
45°	2705.3	2738.9	2811.9	2954.5	3046.1	3079.7	2936.0	2750.5	2555.8	2511.7	2524.5
47.5°	2835.1	2852.5	2954.5	3090.1	3173.6	3250.1	3043.8	2824.7	2595.2	2511.7	2507.1
50°	2785.3	2815.4	2934.8	3089.0	3240.8	3295.3	3098.2	2881.5	2607.9	2501.3	2487.4
52.5°	2473.5	2525.6	2658.9	2866.4	3095.9	3290.6	3173.6	2862.9	2603.3	2511.7	2532.6
55°	1721.2	1722.4	1884.7	2190.7	2596.3	3055.3	3063.5	2883.8	2633.4	2576.6	2577.8
57.5°	692.0	726.7	850.8	1157.9	1532.3	2097.9	2494.3	2675.2	2636.9	2623.0	2658.9
60°	175.0	176.2	214.4	326.9	539.0	899.4	1306.3	1767.6	2035.3	2126.9	2139.7
62.5°	89.2	90.4	99.7	115.9	147.2	241.1	428.9	680.4	967.8	1113.9	1152.1
65°	73.0	73.0	78.8	86.9	88.1	92.7	111.3	158.8	230.7	262.0	265.4
67.5°	55.6	55.6	60.3	64.9	67.2	66.1	63.7	66.1	80.0	76.5	74.2
70°	34.8	35.9	38.2	42.9	45.2	46.4	47.5	49.8	56.8	59.1	56.8
72.5°	20.9	20.9	22.0	25.5	29.0	31.3	34.8	37.1	40.6	46.4	45.2
75°	9.3	9.3	11.6	15.1	18.5	22.0	25.5	29.0	31.3	34.8	35.9
77.5°	2.3	3.5	5.8	10.4	13.9	18.5	23.2	26.7	29.0	29.0	27.8
80°	1.2	1.2	4.6	8.1	15.1	19.7	25.5	27.8	31.3	29.0	25.5
82.5°	1.2	1.2	4.6	8.1	13.9	19.7	26.7	30.1	32.5	29.0	24.3
85°	0.0	1.2	3.5	7.0	11.6	13.9	11.6	8.1	4.6	4.6	3.5
87.5°	0.0	0.0	1.2	1.2	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)