

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: P648243

Luminaire Tested: **GALN-SA2B-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648243
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-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 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: 5376.9 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

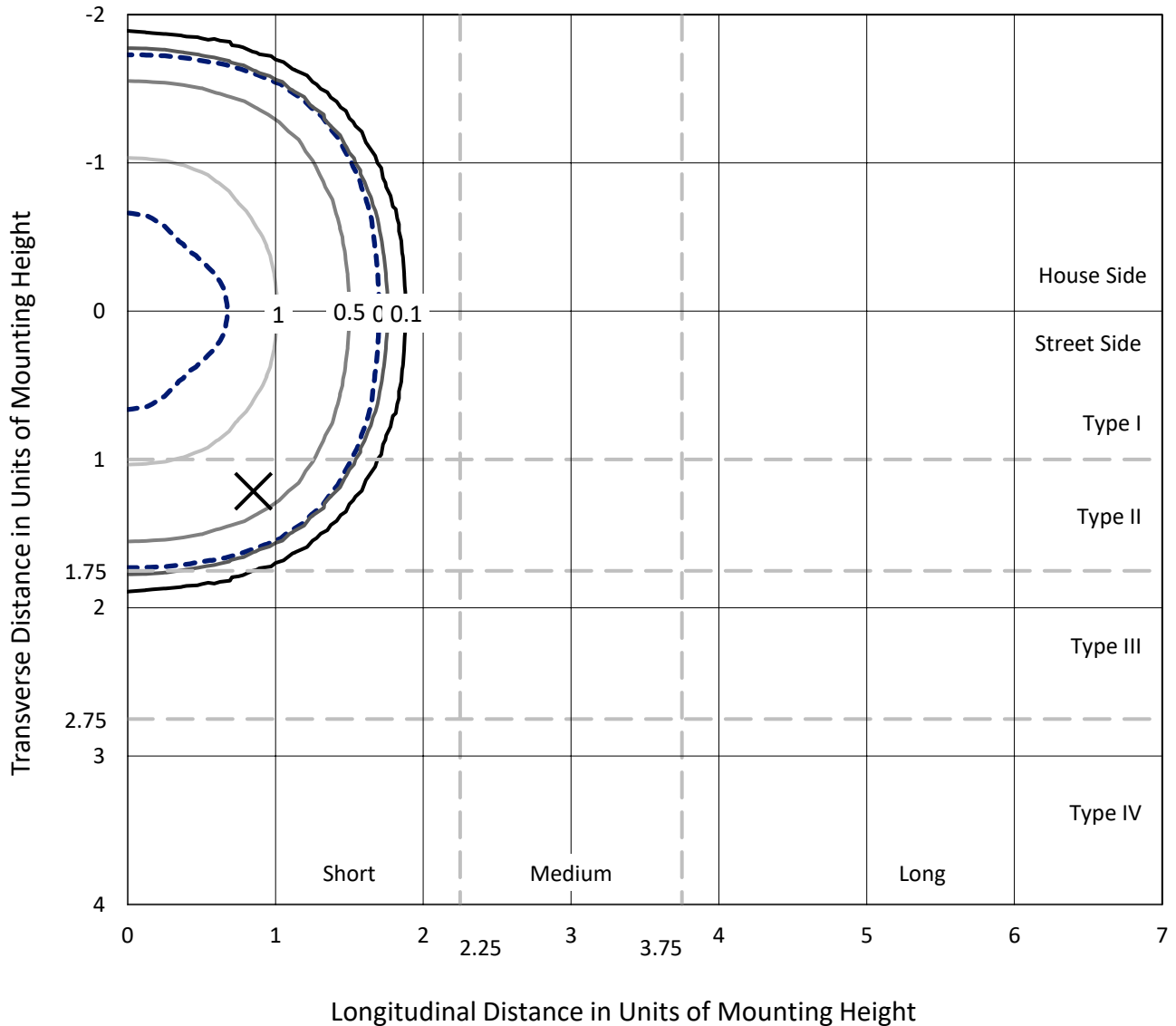
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

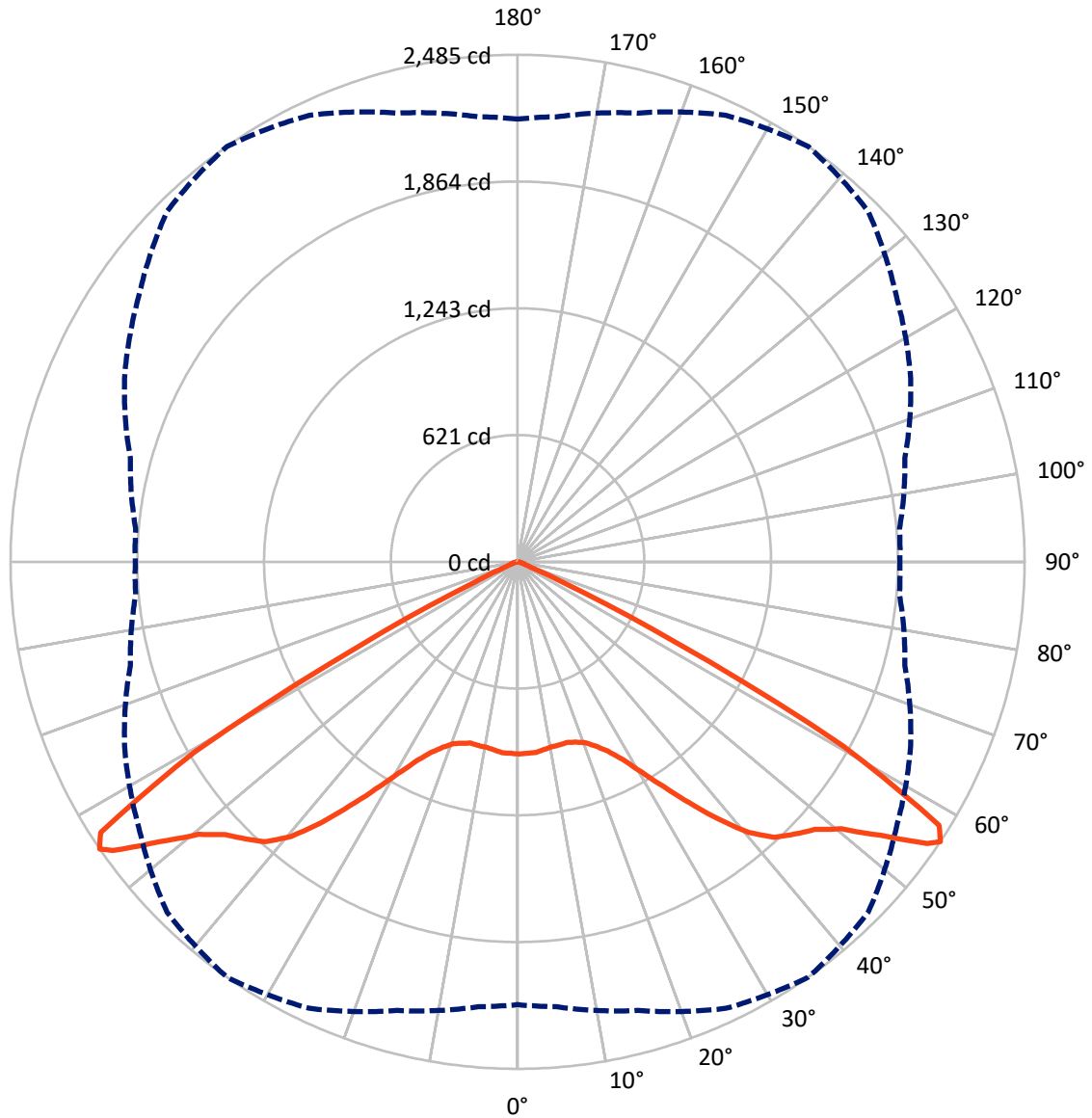
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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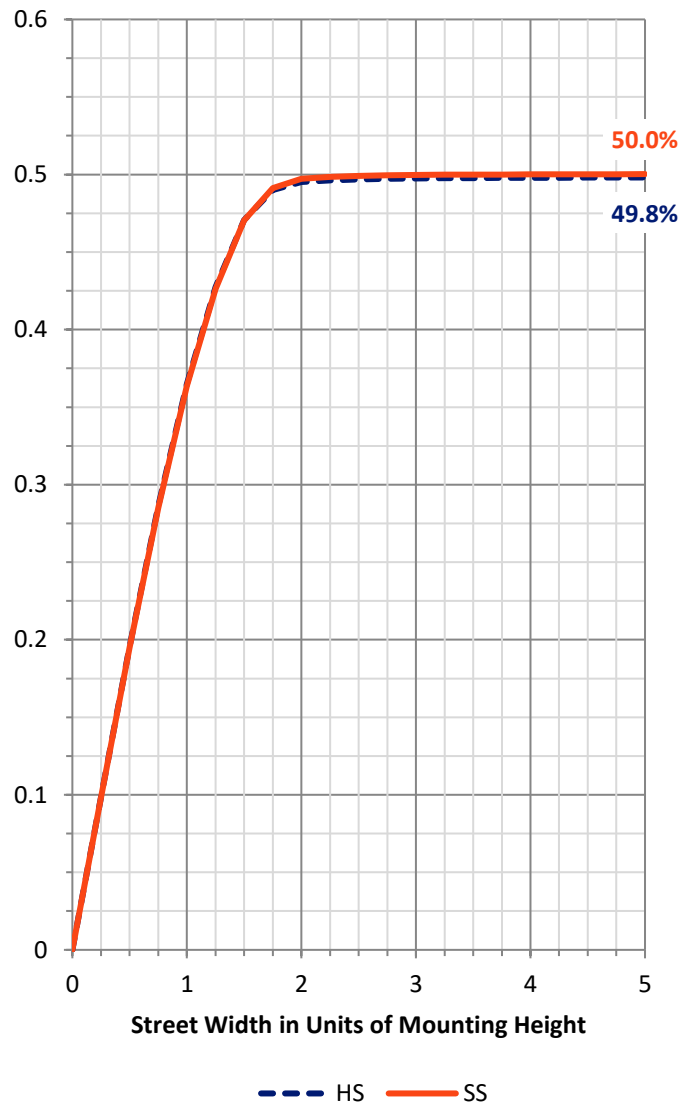
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2688.4	0.0	2688.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2688.4	0.0	2688.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5376.9	0.0	5376.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	1.6
10°-20°	258.5	4.8
20°-30°	468.1	8.7
30°-40°	868.1	16.1
40°-50°	1424.9	26.5
50°-60°	1835.7	34.1
60°-70°	404.6	7.5
70°-80°	23.5	0.4
80°-90°	4.9	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°	5376.9	100.0
0°-180°	5376.9	100.0

Coefficient of Utilization



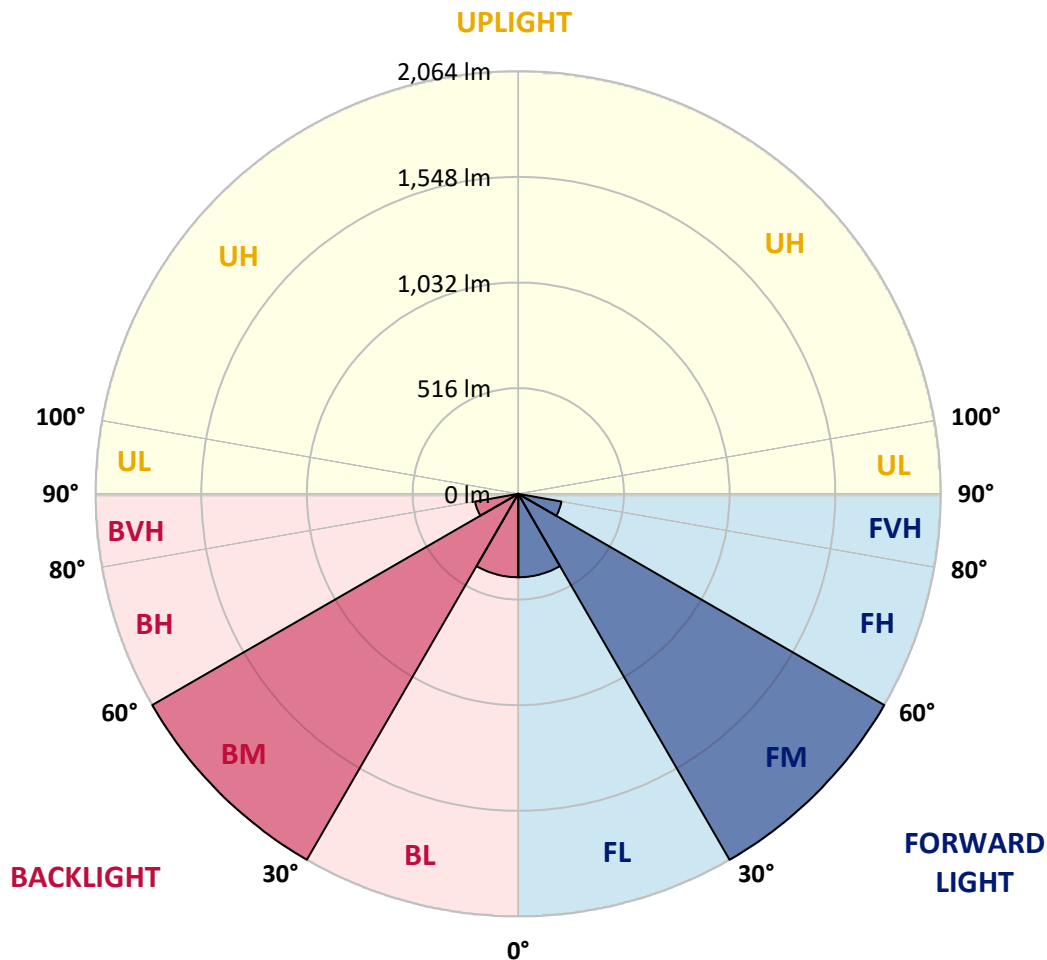
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.6	7.6			
FM (30°-60°)	2064.3	38.4			
FH (60°-80°)	214.0	4.0			G0/660
FVH (80°-90°)	2.5	0.0			G0/10
BL (0°-30°)	407.6	7.6	B1/500		
BM (30°-60°)	2064.3	38.4	B2/2500		
BH (60°-80°)	214.0	4.0	B1/500		G0/660
BVH (80°-90°)	2.5	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°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	944.1	944.1	945.1	946.0	939.2	936.3	937.3	935.3	934.4	937.3	937.3
5°	941.2	941.2	938.3	939.2	939.2	930.4	930.4	932.4	932.4	926.5	924.6
7.5°	933.3	931.5	927.5	932.4	929.5	929.5	922.7	917.8	915.8	919.7	915.8
10°	916.8	917.8	921.7	923.6	921.7	927.5	915.8	909.0	902.2	899.3	899.3
12.5°	909.0	914.9	909.0	913.9	920.7	915.8	909.0	904.1	894.4	890.5	890.5
15°	908.0	912.0	913.9	920.7	917.8	919.7	906.1	900.2	885.7	878.8	875.9
17.5°	907.1	912.0	914.9	927.5	929.5	930.4	919.7	902.2	889.6	882.7	875.9
20°	917.8	919.7	925.6	938.3	946.0	959.6	940.2	921.7	894.4	886.6	883.7
22.5°	931.5	941.2	947.0	960.7	981.1	992.8	967.5	944.1	915.8	906.1	894.4
25°	975.3	973.3	983.1	1011.3	1027.8	1036.6	1016.2	982.1	945.1	933.3	935.3
27.5°	1029.8	1031.8	1040.5	1071.7	1096.0	1109.7	1085.4	1040.5	1004.5	985.0	983.1
30°	1101.0	1099.0	1108.7	1150.6	1194.5	1215.0	1172.1	1119.5	1084.4	1059.1	1064.9
32.5°	1176.0	1176.9	1204.3	1242.2	1313.3	1353.3	1284.1	1219.8	1167.2	1149.7	1140.9
35°	1287.0	1292.0	1313.3	1371.8	1450.7	1502.3	1426.4	1349.4	1289.0	1256.9	1260.7
37.5°	1424.4	1419.6	1455.6	1518.9	1601.7	1639.8	1575.4	1487.8	1426.4	1404.9	1418.6
40°	1570.5	1575.4	1594.0	1651.4	1744.0	1769.3	1673.8	1626.1	1572.5	1561.8	1578.4
42.5°	1716.7	1713.8	1727.5	1779.1	1846.3	1828.8	1772.2	1744.0	1706.0	1684.5	1706.9
45°	1823.8	1819.0	1844.4	1879.4	1903.8	1870.7	1845.3	1835.6	1816.1	1792.7	1813.2
47.5°	1928.1	1924.2	1948.6	1958.4	1960.2	1916.5	1921.3	1938.9	1890.2	1841.4	1864.8
50°	2016.8	2010.0	2040.2	2061.6	2056.7	1986.5	2004.1	1986.5	1910.6	1853.1	1844.4
52.5°	2164.9	2167.8	2199.9	2238.9	2227.2	2168.8	2143.5	2063.5	1966.1	1914.5	1884.3
55°	2258.4	2243.8	2299.4	2423.1	2436.7	2376.3	2264.3	2146.4	2000.3	1936.9	1929.1
56°	2170.7	2189.3	2276.9	2415.2	2485.4	2429.9	2267.2	2125.9	1965.2	1879.4	1873.6
57.5°	1947.6	1937.8	2056.7	2245.7	2436.7	2413.4	2187.3	1979.7	1792.7	1696.2	1684.5
60°	1212.0	1240.3	1344.5	1578.4	1833.6	1845.3	1621.2	1442.9	1224.7	1139.0	1159.4
62.5°	474.5	450.1	515.4	689.8	865.1	904.1	819.4	681.1	559.2	474.5	468.6
65°	110.1	107.2	120.8	166.6	232.9	269.9	256.3	184.2	135.5	128.6	118.9
67.5°	62.3	62.3	59.4	59.4	65.3	69.1	66.2	65.3	68.2	71.1	70.2
70°	43.8	42.8	41.0	41.9	39.9	39.9	42.8	47.8	51.6	51.6	52.6
72.5°	26.3	26.3	26.3	29.2	29.2	29.2	32.2	36.0	37.0	36.0	35.1
75°	11.7	11.7	13.6	16.6	18.5	19.5	22.4	24.4	26.3	24.4	22.4
77.5°	2.9	2.9	4.9	6.8	8.8	10.7	14.6	17.5	18.5	17.5	14.6
80°	0.9	0.9	2.0	4.9	8.8	10.7	14.6	15.6	16.6	14.6	11.7
82.5°	0.9	0.9	2.0	4.9	6.8	8.8	11.7	13.6	14.6	12.7	11.7
85°	0.0	0.9	2.0	3.9	5.9	7.8	7.8	5.9	4.9	2.9	3.9
87.5°	0.0	0.0	0.9	0.9	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)