

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: P652203

Luminaire Tested: **GALN-SA2B-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652203
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-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 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: 5775.1 lumens
Efficiency: N/A
Efficacy: 70.4 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

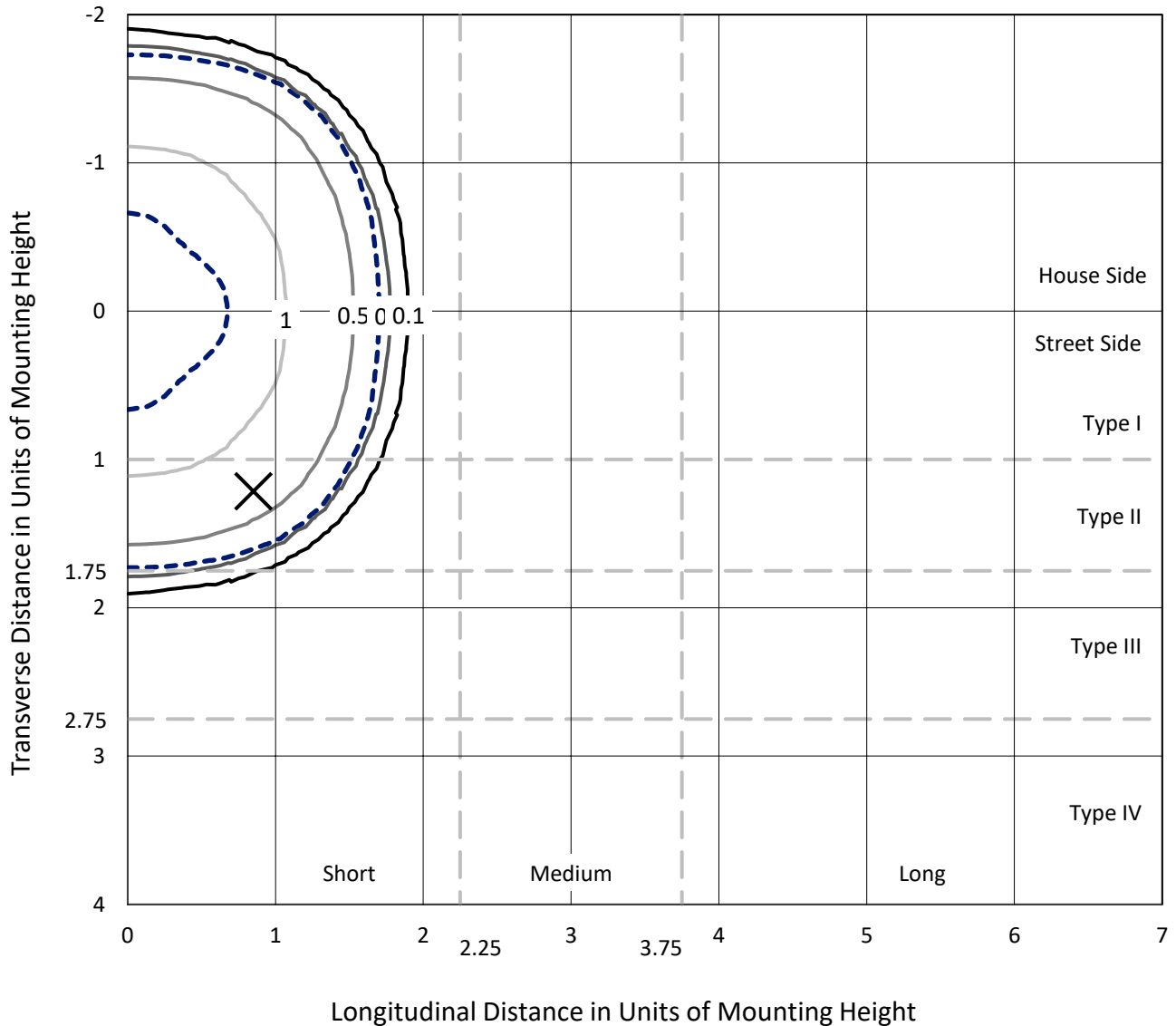




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Iso-Footcandle Lines of Horizontal Illumination

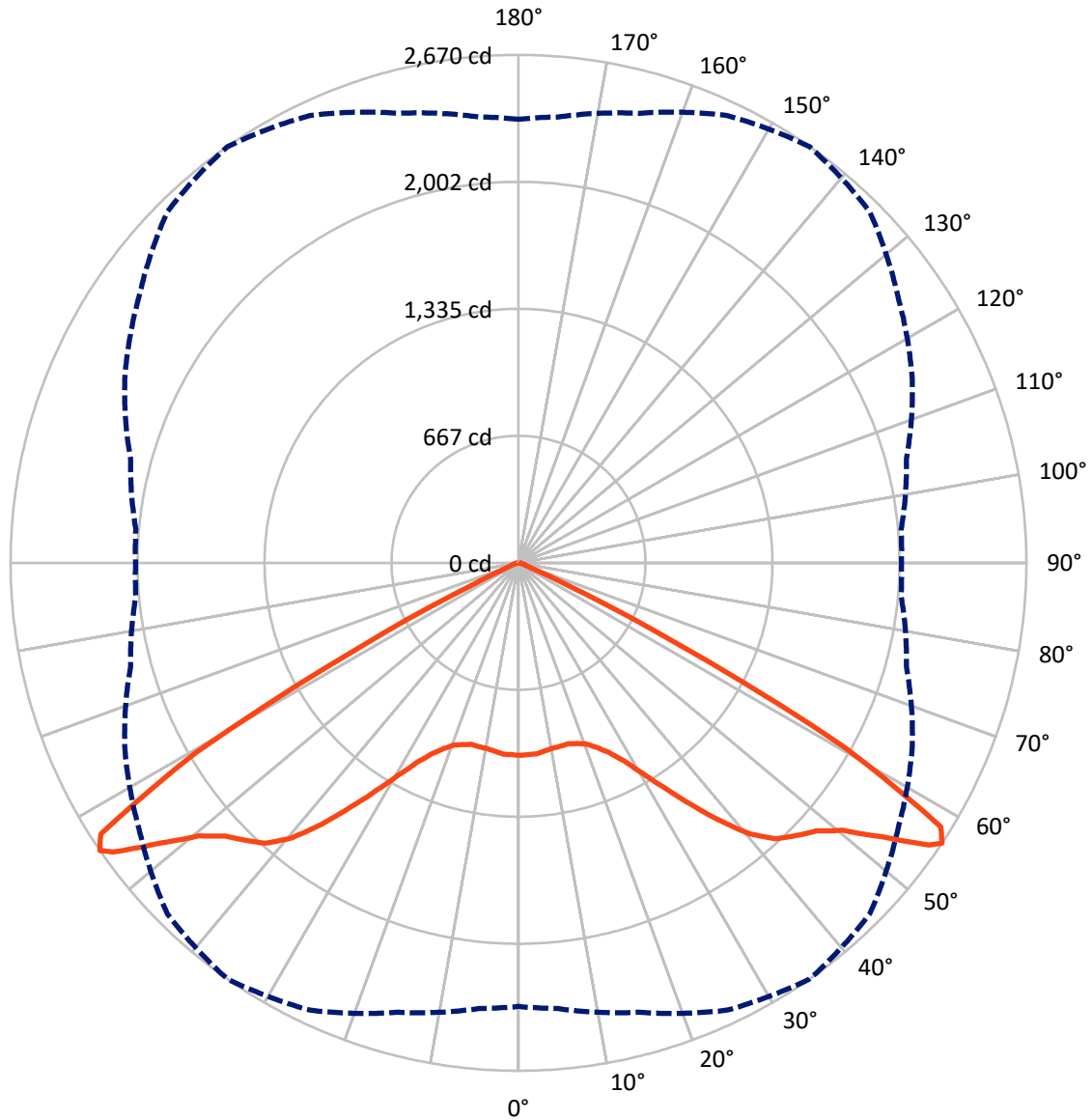
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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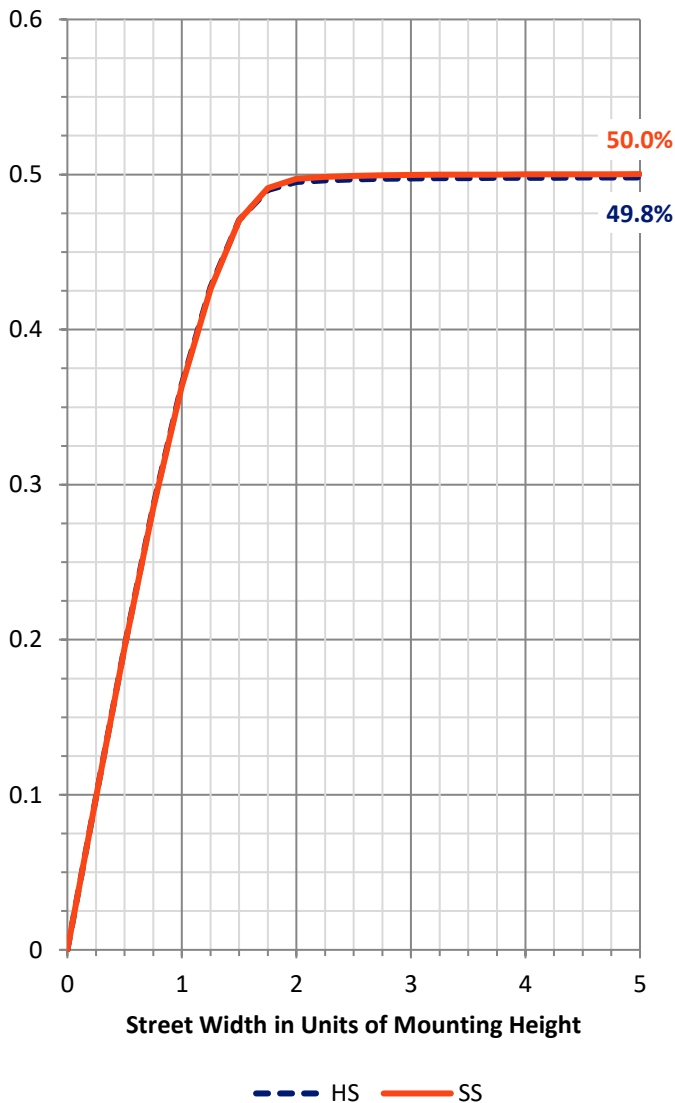
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2887.6	0.0	2887.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2887.6	0.0	2887.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5775.1	0.0	5775.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.6
10°-20°	277.7	4.8
20°-30°	502.8	8.7
30°-40°	932.4	16.1
40°-50°	1530.5	26.5
50°-60°	1971.7	34.1
60°-70°	434.5	7.5
70°-80°	25.2	0.4
80°-90°	5.3	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°	5775.1	100.0
0°-180°	5775.1	100.0

Coefficient of Utilization

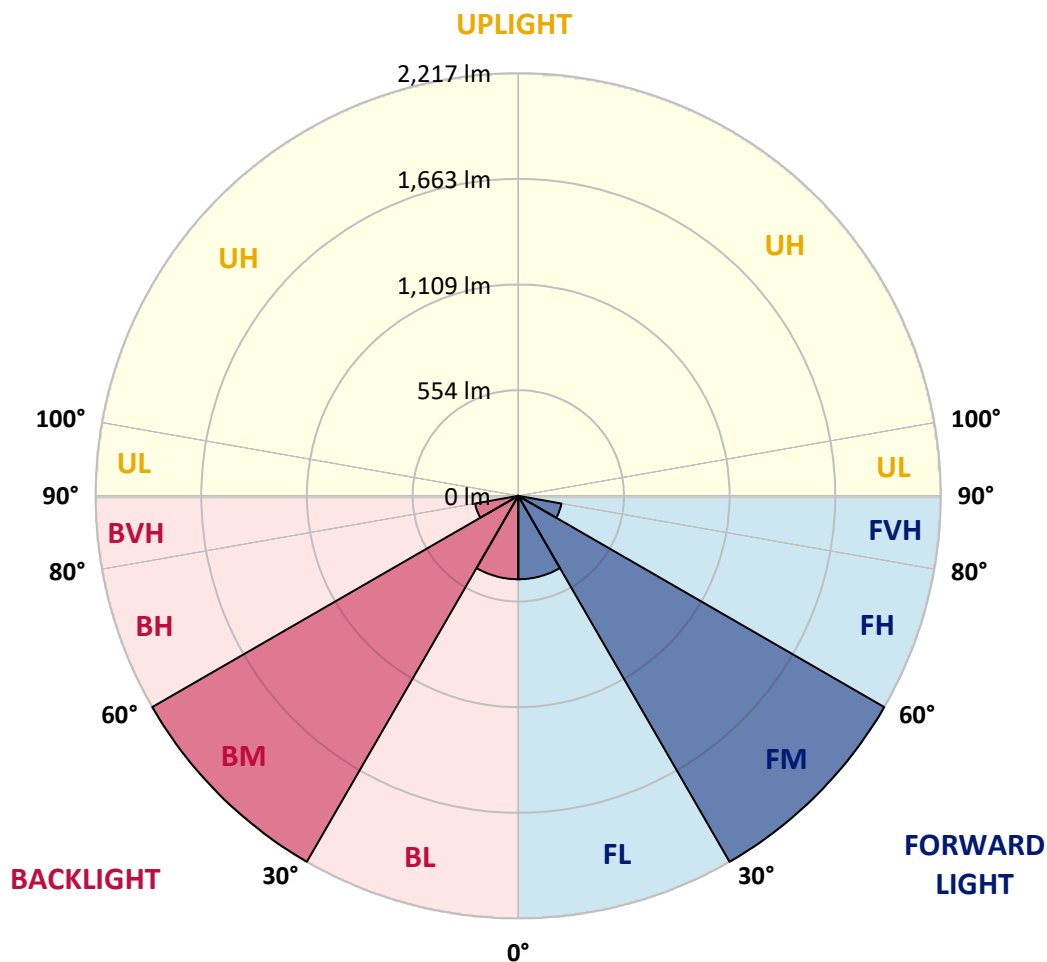


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.8	7.6			
FM (30°-60°)	2217.3	38.4			
FH (60°-80°)	229.9	4.0			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	437.8	7.6	B1/500		
BM (30°-60°)	2217.3	38.4	B2/2500		
BH (60°-80°)	229.9	4.0	B1/500		G0/660
BVH (80°-90°)	2.6	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°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9
2.5°	1014.0	1014.0	1015.1	1016.1	1008.8	1005.7	1006.7	1004.6	1003.6	1006.7	1006.7
5°	1010.9	1010.9	1007.8	1008.8	1008.8	999.4	999.4	1001.5	1001.5	995.2	993.1
7.5°	1002.5	1000.5	996.2	1001.5	998.4	998.4	991.0	985.7	983.6	987.8	983.6
10°	984.7	985.7	989.9	992.0	989.9	996.2	983.6	976.3	969.0	965.9	965.9
12.5°	976.3	982.6	976.3	981.6	988.9	983.6	976.3	971.1	960.7	956.5	956.5
15°	975.3	979.5	981.6	988.9	985.7	987.8	973.2	966.9	951.3	943.9	940.7
17.5°	974.3	979.5	982.6	996.2	998.4	999.4	987.8	969.0	955.5	948.1	940.7
20°	985.7	987.8	994.1	1007.8	1016.1	1030.7	1009.9	989.9	960.7	952.3	949.2
22.5°	1000.5	1010.9	1017.2	1031.8	1053.8	1066.4	1039.1	1014.0	983.6	973.2	960.7
25°	1047.5	1045.4	1055.9	1086.2	1104.0	1113.4	1091.4	1054.9	1015.1	1002.5	1004.6
27.5°	1106.1	1108.2	1117.6	1151.1	1177.2	1191.9	1165.8	1117.6	1078.9	1058.0	1055.9
30°	1182.5	1180.4	1190.9	1235.8	1282.9	1305.0	1258.9	1202.4	1164.7	1137.5	1143.8
32.5°	1263.1	1264.1	1293.5	1334.2	1410.6	1453.5	1379.2	1310.2	1253.7	1234.8	1225.4
35°	1382.4	1387.6	1410.6	1473.4	1558.2	1613.6	1532.0	1449.4	1384.5	1350.0	1354.1
37.5°	1529.9	1524.7	1563.4	1631.5	1720.3	1761.2	1692.1	1598.0	1532.0	1509.0	1523.6
40°	1686.9	1692.1	1712.0	1773.8	1873.2	1900.4	1797.8	1746.6	1689.0	1677.5	1695.3
42.5°	1843.9	1840.7	1855.4	1910.8	1983.1	1964.2	1903.5	1873.2	1832.4	1809.3	1833.4
45°	1958.9	1953.7	1981.0	2018.7	2044.8	2009.2	1982.0	1971.6	1950.6	1925.5	1947.5
47.5°	2071.0	2066.8	2092.9	2103.4	2105.4	2058.4	2063.6	2082.5	2030.2	1977.8	2002.9
50°	2166.2	2158.8	2191.3	2214.4	2209.1	2133.7	2152.5	2133.7	2052.1	1990.4	1981.0
52.5°	2325.3	2328.4	2362.9	2404.8	2392.2	2329.4	2302.2	2216.4	2111.8	2056.3	2023.9
55°	2425.7	2410.0	2469.7	2602.6	2617.2	2552.4	2432.0	2305.3	2148.4	2080.4	2072.0
56°	2331.5	2351.4	2445.5	2594.1	2669.5	2609.9	2435.1	2283.4	2110.7	2018.7	2012.3
57.5°	2091.9	2081.4	2209.1	2412.1	2617.2	2592.1	2349.3	2126.4	1925.5	1821.9	1809.3
60°	1301.8	1332.1	1444.1	1695.3	1969.5	1982.0	1741.3	1549.8	1315.4	1223.3	1245.3
62.5°	509.6	483.5	553.5	740.9	929.2	971.1	880.1	731.5	600.6	509.6	503.3
65°	118.2	115.1	129.8	179.0	250.1	289.9	275.3	197.8	145.5	138.1	127.7
67.5°	66.9	66.9	63.8	63.8	70.1	74.3	71.1	70.1	73.3	76.4	75.4
70°	47.1	46.0	44.0	45.0	42.9	42.9	46.0	51.3	55.4	55.4	56.5
72.5°	28.3	28.3	28.3	31.4	31.4	31.4	34.6	38.7	39.8	38.7	37.7
75°	12.5	12.5	14.6	17.8	19.8	20.9	24.1	26.2	28.3	26.2	24.1
77.5°	3.1	3.1	5.2	7.3	9.4	11.5	15.7	18.8	19.8	18.8	15.7
80°	1.0	1.0	2.1	5.2	9.4	11.5	15.7	16.7	17.8	15.7	12.5
82.5°	1.0	1.0	2.1	5.2	7.3	9.4	12.5	14.6	15.7	13.6	12.5
85°	0.0	1.0	2.1	4.2	6.3	8.4	8.4	6.3	5.2	3.1	4.2
87.5°	0.0	0.0	1.0	1.0	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)