

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: P646758

Luminaire Tested: **GALN-SA2C-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646758
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-SA2C-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA 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: 6643.7 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

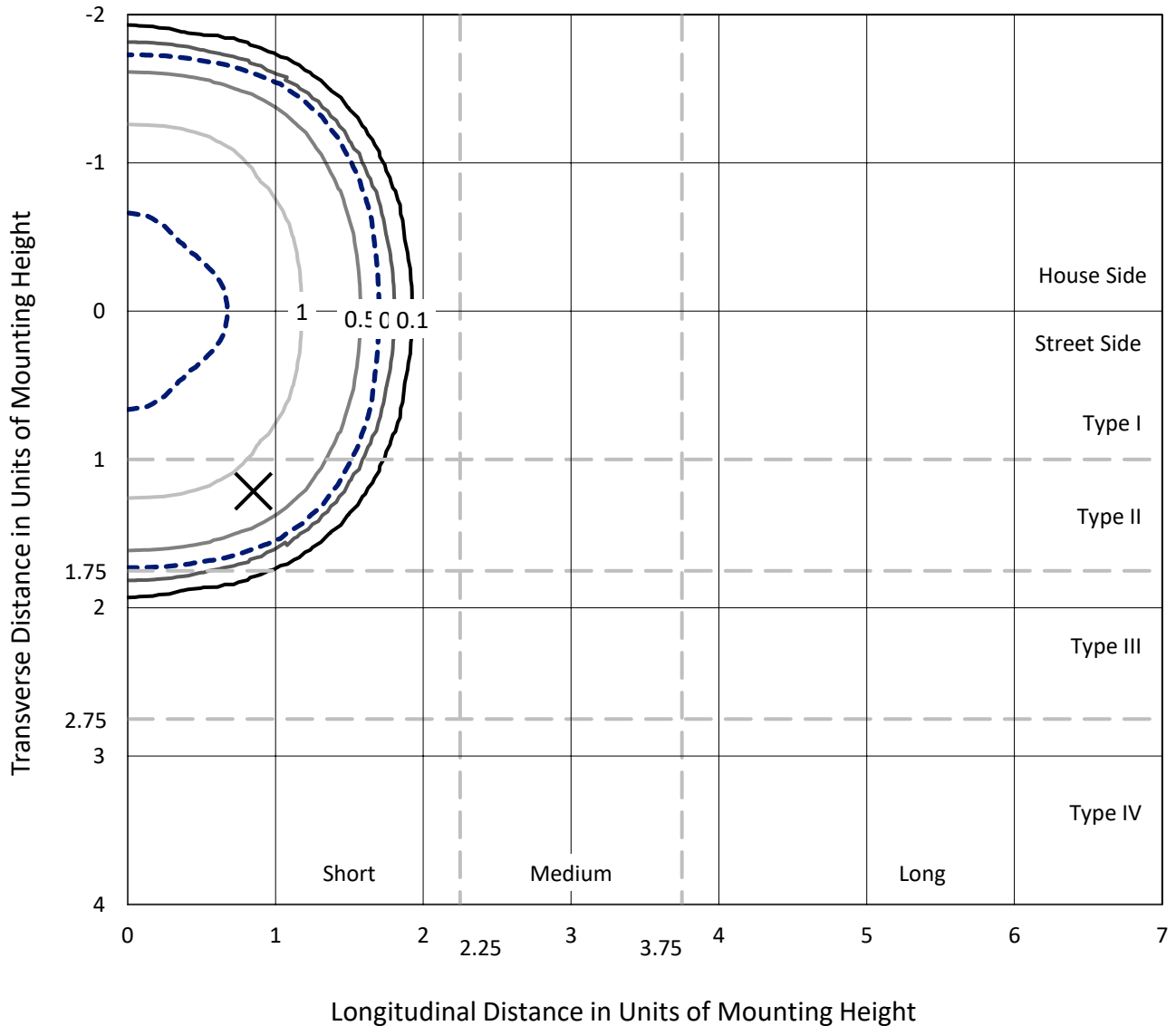
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P646758
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Iso-Footcandle Lines of Horizontal Illumination

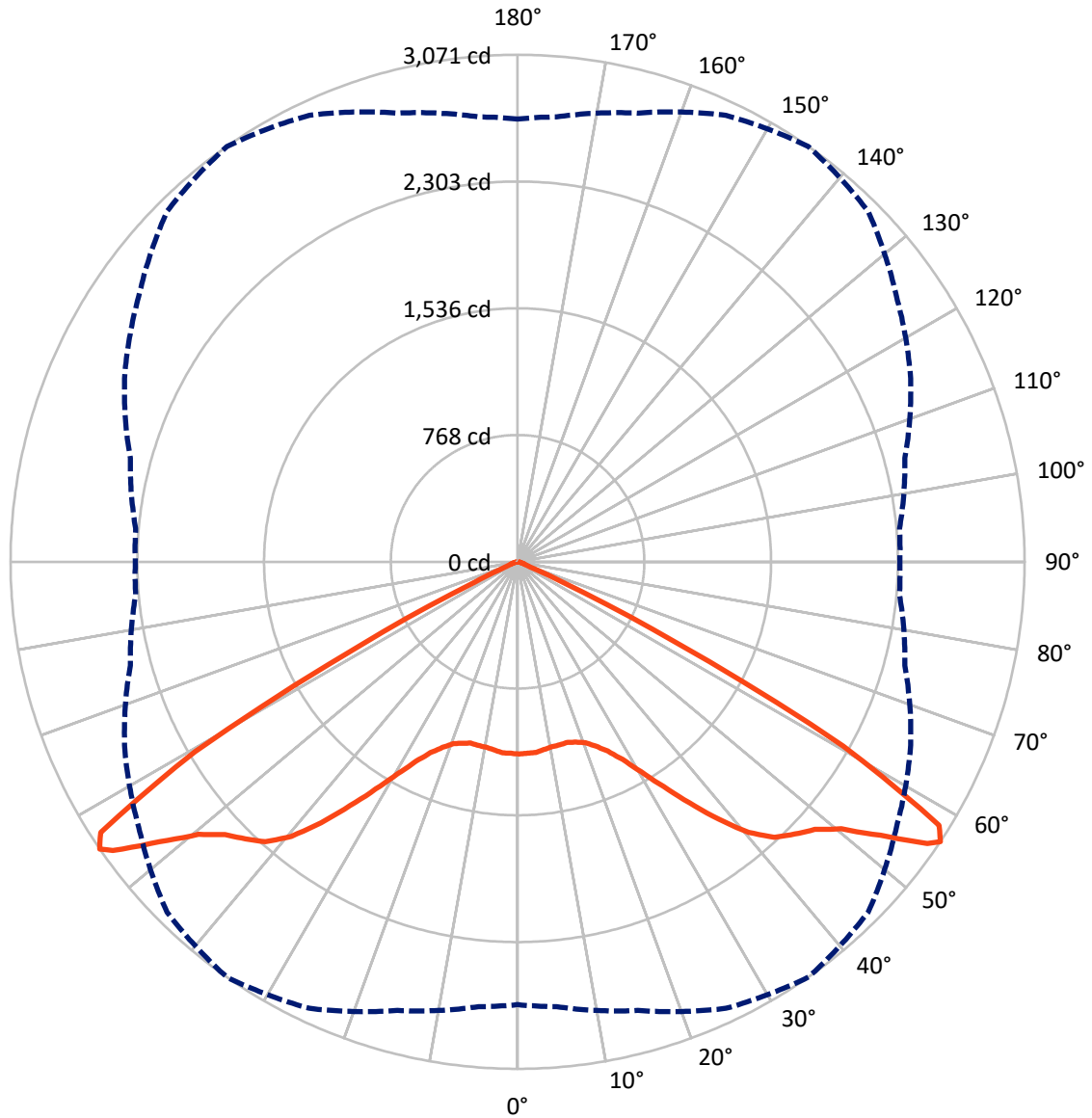
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

REPORT NUMBER: P646758
CATALOG NUMBER: GALN-SA2C-835-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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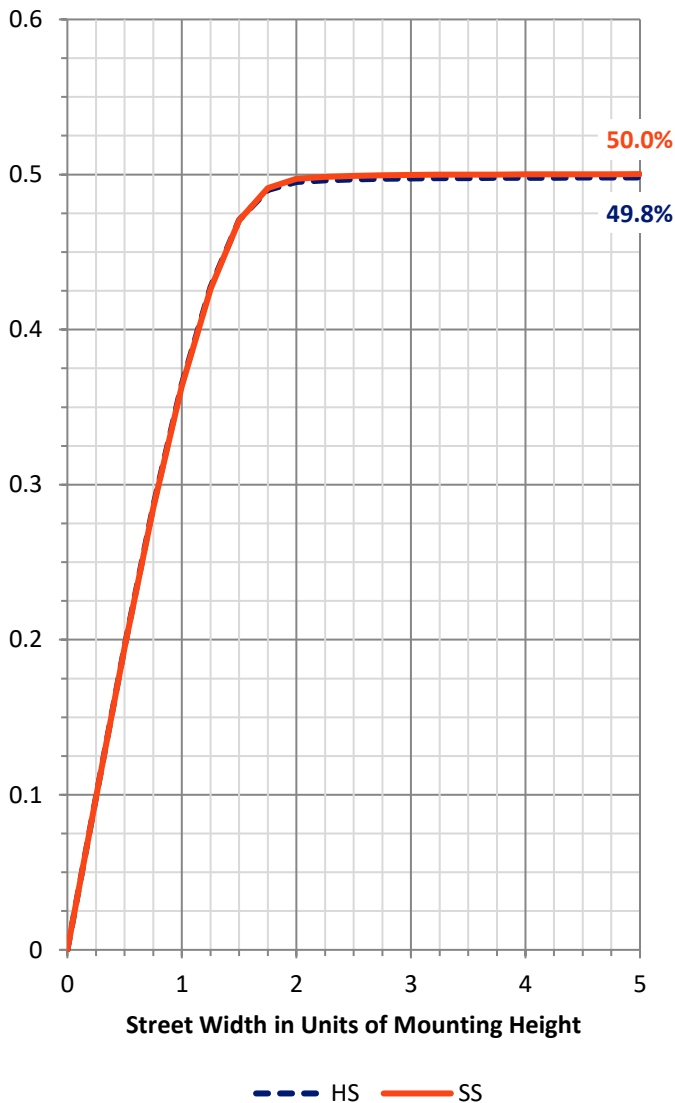
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3321.9	0.0	3321.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3321.9	0.0	3321.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6643.7	0.0	6643.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	1.6
10°-20°	319.4	4.8
20°-30°	578.4	8.7
30°-40°	1072.6	16.1
40°-50°	1760.6	26.5
50°-60°	2268.2	34.1
60°-70°	499.9	7.5
70°-80°	29.0	0.4
80°-90°	6.1	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°	6643.7	100.0
0°-180°	6643.7	100.0

Coefficient of Utilization

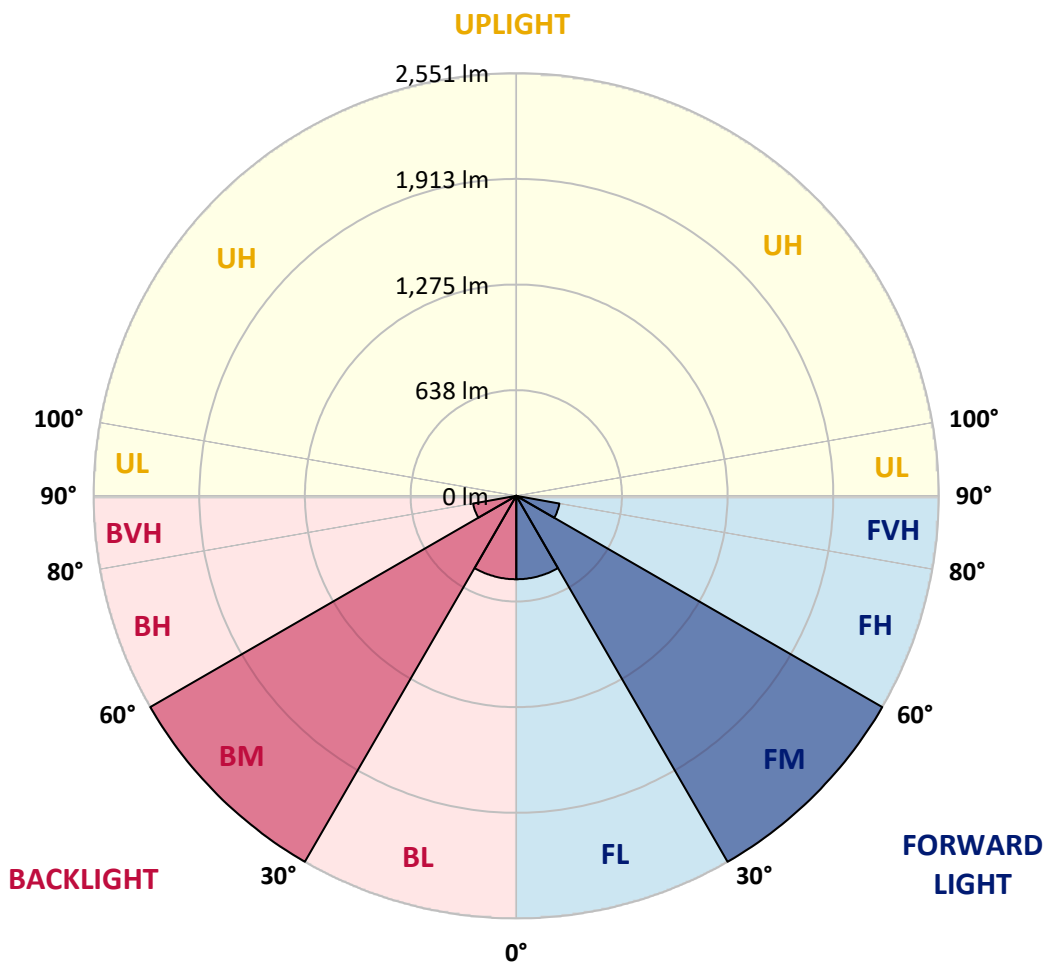


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.6	7.6			
FM (30°-60°)	2550.7	38.4			
FH (60°-80°)	264.4	4.0			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	503.6	7.6	B2/1000		
BM (30°-60°)	2550.7	38.4	B3/5000		
BH (60°-80°)	264.4	4.0	B1/500		G0/660
BVH (80°-90°)	3.0	0.0			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°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1166.5	1166.5	1167.8	1168.9	1160.5	1156.9	1158.1	1155.7	1154.5	1158.1	1158.1
5°	1162.9	1162.9	1159.3	1160.5	1160.5	1149.7	1149.7	1152.1	1152.1	1144.9	1142.5
7.5°	1153.3	1150.9	1146.1	1152.1	1148.5	1148.5	1140.0	1134.0	1131.6	1136.4	1131.6
10°	1132.8	1134.0	1138.9	1141.2	1138.9	1146.1	1131.6	1123.2	1114.8	1111.2	1111.2
12.5°	1123.2	1130.4	1123.2	1129.2	1137.6	1131.6	1123.2	1117.2	1105.1	1100.3	1100.3
15°	1122.0	1126.8	1129.2	1137.6	1134.0	1136.4	1119.6	1112.3	1094.3	1085.9	1082.3
17.5°	1120.8	1126.8	1130.4	1146.1	1148.5	1149.7	1136.4	1114.8	1099.1	1090.7	1082.3
20°	1134.0	1136.4	1143.6	1159.3	1168.9	1185.8	1161.7	1138.9	1105.1	1095.5	1091.9
22.5°	1150.9	1162.9	1170.1	1187.0	1212.3	1226.7	1195.4	1166.5	1131.6	1119.6	1105.1
25°	1205.0	1202.7	1214.7	1249.6	1270.1	1280.9	1255.6	1213.5	1167.8	1153.3	1155.7
27.5°	1272.5	1274.9	1285.7	1324.2	1354.4	1371.2	1341.1	1285.7	1241.2	1217.1	1214.7
30°	1360.4	1358.0	1370.0	1421.8	1476.0	1501.2	1448.2	1383.2	1339.9	1308.6	1315.8
32.5°	1453.1	1454.3	1487.9	1534.9	1622.8	1672.2	1586.7	1507.2	1442.2	1420.5	1409.7
35°	1590.3	1596.3	1622.8	1695.0	1792.5	1856.3	1762.5	1667.3	1592.7	1553.0	1557.8
37.5°	1760.0	1754.0	1798.6	1876.8	1979.1	2026.1	1946.6	1838.2	1762.5	1736.0	1752.8
40°	1940.6	1946.6	1969.5	2040.5	2154.9	2186.2	2068.2	2009.3	1943.0	1929.8	1950.2
42.5°	2121.2	2117.5	2134.5	2198.3	2281.3	2259.7	2189.8	2154.9	2107.9	2081.4	2109.2
45°	2253.6	2247.6	2278.9	2322.2	2352.4	2311.4	2280.1	2268.0	2244.0	2215.1	2240.4
47.5°	2382.4	2377.6	2407.7	2419.8	2422.1	2367.9	2374.0	2395.7	2335.5	2275.3	2304.2
50°	2492.0	2483.5	2520.9	2547.3	2541.3	2454.6	2476.3	2454.6	2360.7	2289.7	2278.9
52.5°	2675.0	2678.6	2718.3	2766.5	2752.0	2679.8	2648.5	2549.8	2429.4	2365.6	2328.3
55°	2790.5	2772.4	2841.1	2994.0	3010.9	2936.2	2797.7	2652.1	2471.5	2393.2	2383.6
56°	2682.2	2705.0	2813.4	2984.3	3071.0	3002.4	2801.3	2626.8	2428.2	2322.2	2315.0
57.5°	2406.5	2394.5	2541.3	2774.9	3010.9	2982.0	2702.7	2446.2	2215.1	2095.9	2081.4
60°	1497.6	1532.5	1661.3	1950.2	2265.7	2280.1	2003.2	1782.9	1513.2	1407.3	1432.6
62.5°	586.3	556.2	636.8	852.3	1069.0	1117.2	1012.4	841.5	691.0	586.3	579.0
65°	136.0	132.4	149.2	205.9	287.8	333.5	316.6	227.5	167.3	158.9	146.9
67.5°	77.0	77.0	73.4	73.4	80.6	85.5	81.8	80.6	84.3	87.9	86.7
70°	54.2	52.9	50.6	51.8	49.3	49.3	52.9	59.0	63.8	63.8	65.0
72.5°	32.5	32.5	32.5	36.1	36.1	36.1	39.7	44.6	45.7	44.6	43.3
75°	14.4	14.4	16.8	20.4	22.9	24.0	27.7	30.1	32.5	30.1	27.7
77.5°	3.6	3.6	6.0	8.5	10.8	13.2	18.1	21.7	22.9	21.7	18.1
80°	1.2	1.2	2.4	6.0	10.8	13.2	18.1	19.3	20.4	18.1	14.4
82.5°	1.2	1.2	2.4	6.0	8.5	10.8	14.4	16.8	18.1	15.7	14.4
85°	0.0	1.2	2.4	4.8	7.2	9.6	9.6	7.2	6.0	3.6	4.8
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)