

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: P648246

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6155.2 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

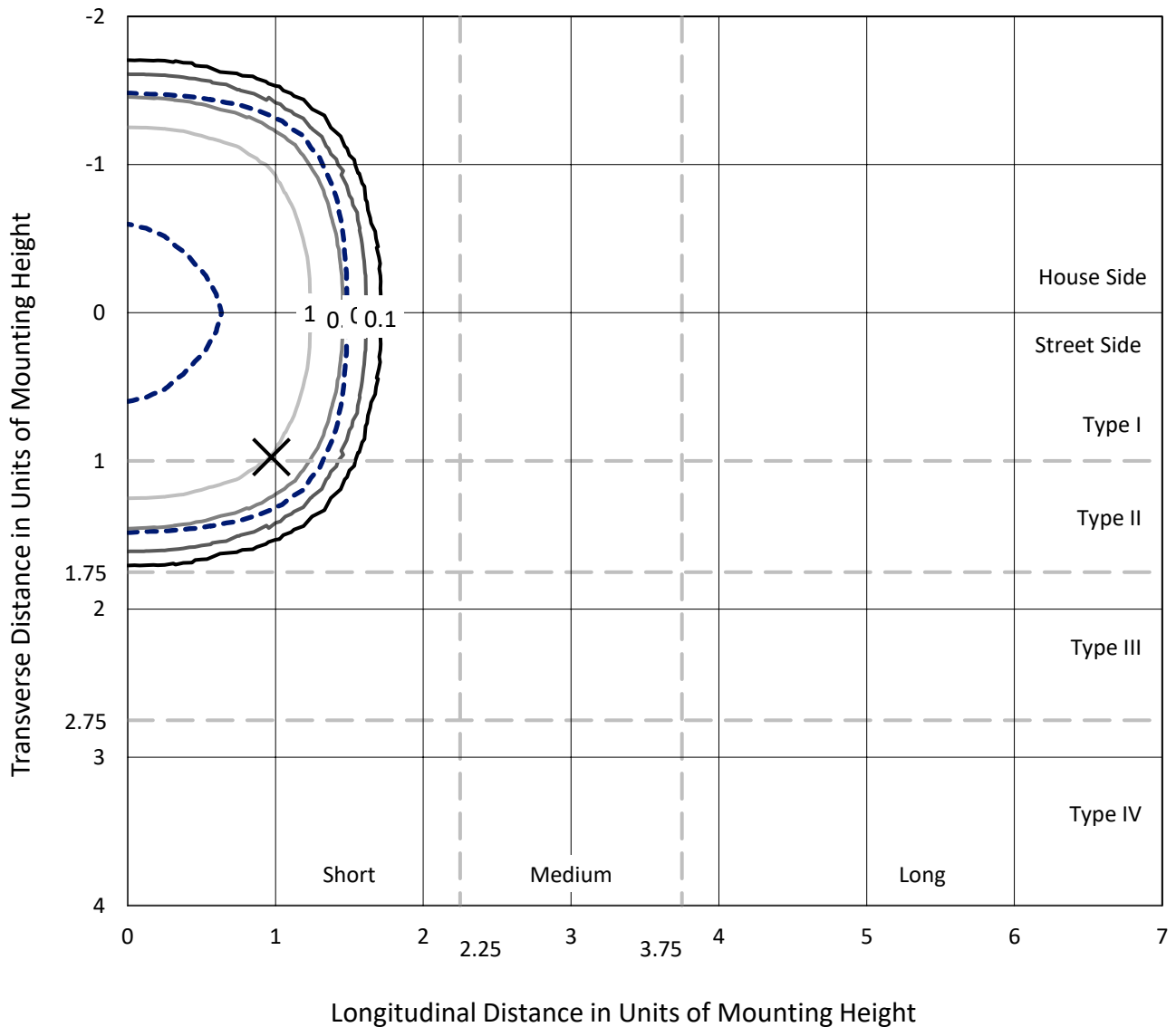
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

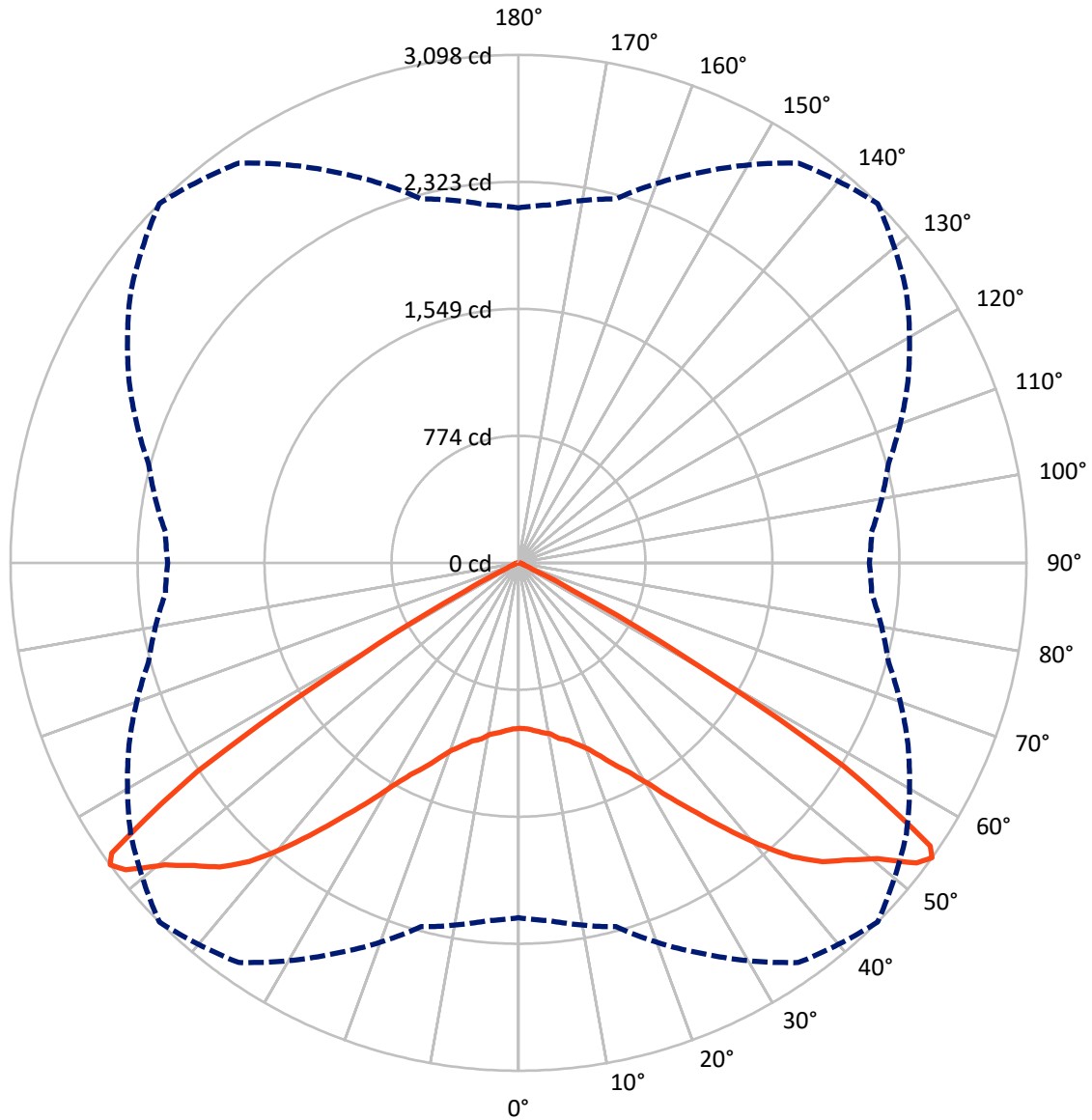
× Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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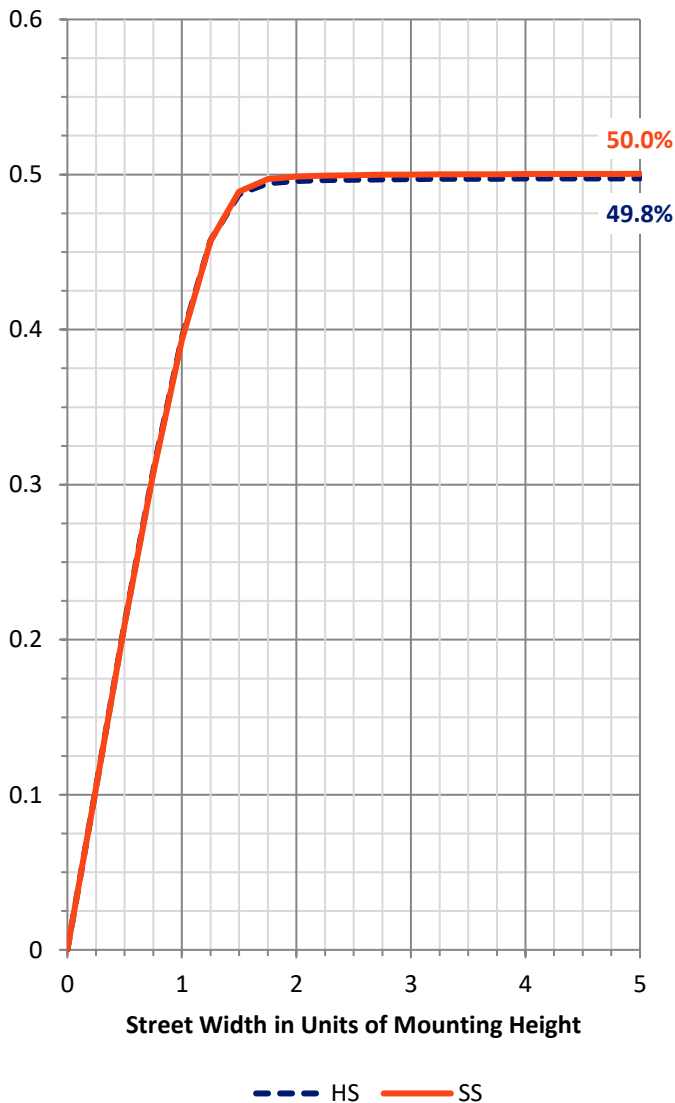
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3077.6	0.0	3077.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3077.6	0.0	3077.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6155.2	0.0	6155.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	1.6
10°-20°	319.9	5.2
20°-30°	627.0	10.2
30°-40°	1127.4	18.3
40°-50°	1929.9	31.4
50°-60°	1867.4	30.3
60°-70°	159.9	2.6
70°-80°	19.0	0.3
80°-90°	5.9	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°	6155.2	100.0
0°-180°	6155.2	100.0

Coefficient of Utilization

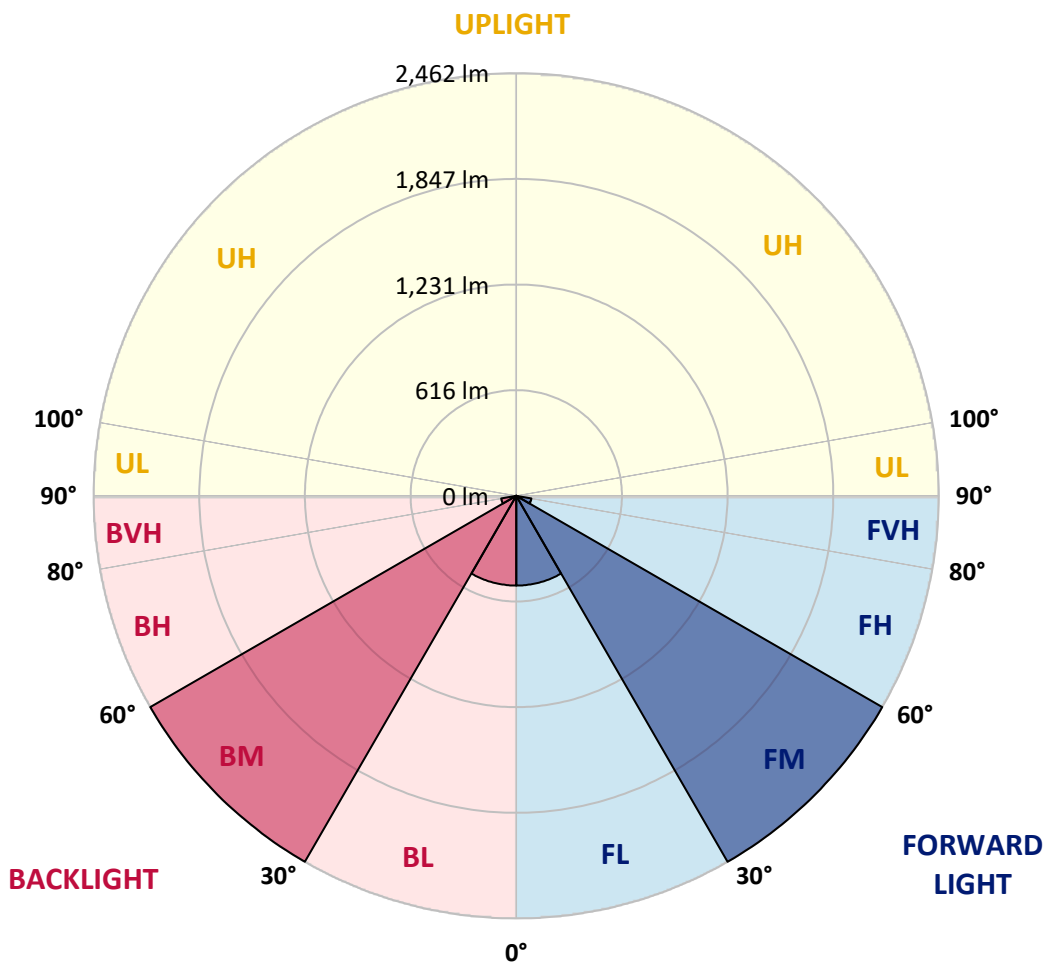


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	522.8	8.5			
FM	(30°-60°)	2462.4	40.0			
FH	(60°-80°)	89.4	1.5			G0/660
FVH	(80°-90°)	3.0	0.0			G0/10
BL	(0°-30°)	522.8	8.5	B2/1000		
BM	(30°-60°)	2462.4	40.0	B2/2500		
BH	(60°-80°)	89.4	1.5	B0/110		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: 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°	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3
2.5°	1014.1	1020.0	1016.1	1019.0	1019.0	1014.1	1017.0	1005.4	1013.1	1007.3	1008.3
5°	1029.7	1028.8	1028.8	1029.7	1025.8	1027.8	1023.9	1020.0	1017.0	1013.1	1024.9
7.5°	1049.2	1049.2	1042.4	1044.4	1042.4	1045.3	1037.6	1029.7	1026.8	1023.9	1021.9
10°	1067.8	1065.8	1062.9	1071.7	1064.8	1061.0	1057.0	1052.2	1041.5	1037.6	1033.6
12.5°	1095.1	1094.1	1090.2	1098.9	1095.1	1098.9	1084.4	1071.7	1069.7	1057.0	1063.9
15°	1127.2	1136.1	1129.2	1129.2	1127.2	1122.4	1116.5	1110.7	1093.1	1088.2	1089.2
17.5°	1169.2	1166.3	1167.2	1167.2	1177.0	1164.3	1152.6	1137.9	1129.2	1126.3	1116.5
20°	1209.2	1213.0	1212.1	1218.9	1224.8	1211.1	1198.5	1196.5	1172.1	1176.0	1162.4
22.5°	1279.3	1276.4	1281.3	1286.2	1282.3	1280.4	1268.6	1254.0	1232.5	1222.8	1220.9
25°	1353.5	1348.6	1339.8	1351.5	1357.4	1366.2	1343.7	1336.0	1302.8	1288.1	1289.1
27.5°	1416.8	1423.7	1433.4	1438.3	1452.9	1450.0	1434.4	1409.1	1383.7	1367.1	1356.4
30°	1503.7	1507.5	1524.1	1530.9	1556.3	1563.1	1538.8	1509.5	1464.6	1443.1	1430.5
32.5°	1583.6	1610.9	1609.9	1644.1	1685.0	1713.3	1669.4	1624.6	1579.7	1554.3	1531.9
35°	1713.3	1708.4	1736.7	1772.8	1839.1	1871.3	1823.5	1771.8	1703.6	1662.6	1645.0
37.5°	1834.2	1836.1	1874.2	1931.7	2007.8	2057.5	2015.6	1930.7	1860.6	1807.9	1783.5
40°	2009.7	2013.6	2052.6	2117.9	2203.8	2257.4	2208.7	2122.9	2029.2	1988.3	1988.3
42.5°	2215.5	2232.1	2257.4	2314.0	2391.0	2450.5	2406.6	2339.3	2244.7	2192.1	2199.9
45°	2427.1	2434.9	2451.5	2535.4	2571.4	2600.7	2559.7	2528.5	2465.1	2400.8	2390.0
47.5°	2625.0	2628.0	2676.7	2703.1	2731.3	2707.0	2733.3	2692.3	2621.2	2558.8	2546.1
50°	2712.8	2707.9	2777.1	2857.1	2878.5	2835.6	2813.2	2785.9	2677.7	2602.6	2569.5
52.5°	2457.3	2485.6	2614.3	2836.7	3004.4	3040.5	2909.8	2784.0	2582.1	2435.8	2413.4
54°	2164.8	2191.1	2297.4	2627.0	2976.1	3097.9	2887.3	2620.2	2335.5	2161.9	2139.4
55°	1875.1	1845.9	2039.0	2375.4	2843.5	3047.3	2798.6	2408.6	2082.9	1923.9	1892.7
57.5°	1015.1	1020.0	1182.8	1500.7	1998.1	2336.4	2063.4	1629.4	1230.6	1052.2	1036.5
60°	321.8	329.6	400.7	606.5	954.6	1139.9	977.1	654.3	452.5	362.8	348.1
62.5°	100.5	104.4	114.1	169.7	261.4	373.5	292.5	175.5	130.7	120.0	121.9
65°	61.5	61.5	62.4	66.3	78.0	90.7	87.8	77.0	74.1	72.2	71.2
67.5°	40.0	39.0	41.0	43.8	45.8	46.8	49.7	52.7	51.7	49.7	49.7
70°	24.4	23.4	25.4	29.3	30.2	32.2	35.1	39.0	38.1	36.1	37.0
72.5°	13.6	13.6	14.6	17.5	20.5	22.4	25.4	28.3	29.3	28.3	28.3
75°	4.9	5.9	7.8	10.7	12.7	15.6	18.6	21.5	24.4	22.4	21.5
77.5°	2.0	2.0	3.9	6.8	9.8	12.7	17.5	20.5	22.4	20.5	18.6
80°	0.9	0.9	2.9	5.9	8.8	11.7	14.6	17.5	18.6	16.6	14.6
82.5°	0.9	0.9	2.9	5.9	8.8	10.7	15.6	17.5	19.5	17.5	14.6
85°	0.0	0.9	2.9	5.9	7.8	8.8	8.8	5.9	4.9	2.9	2.9
87.5°	0.0	0.0	0.9	0.0	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)