

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: P647752

Luminaire Tested: **GALN-SA2A-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6480.1 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

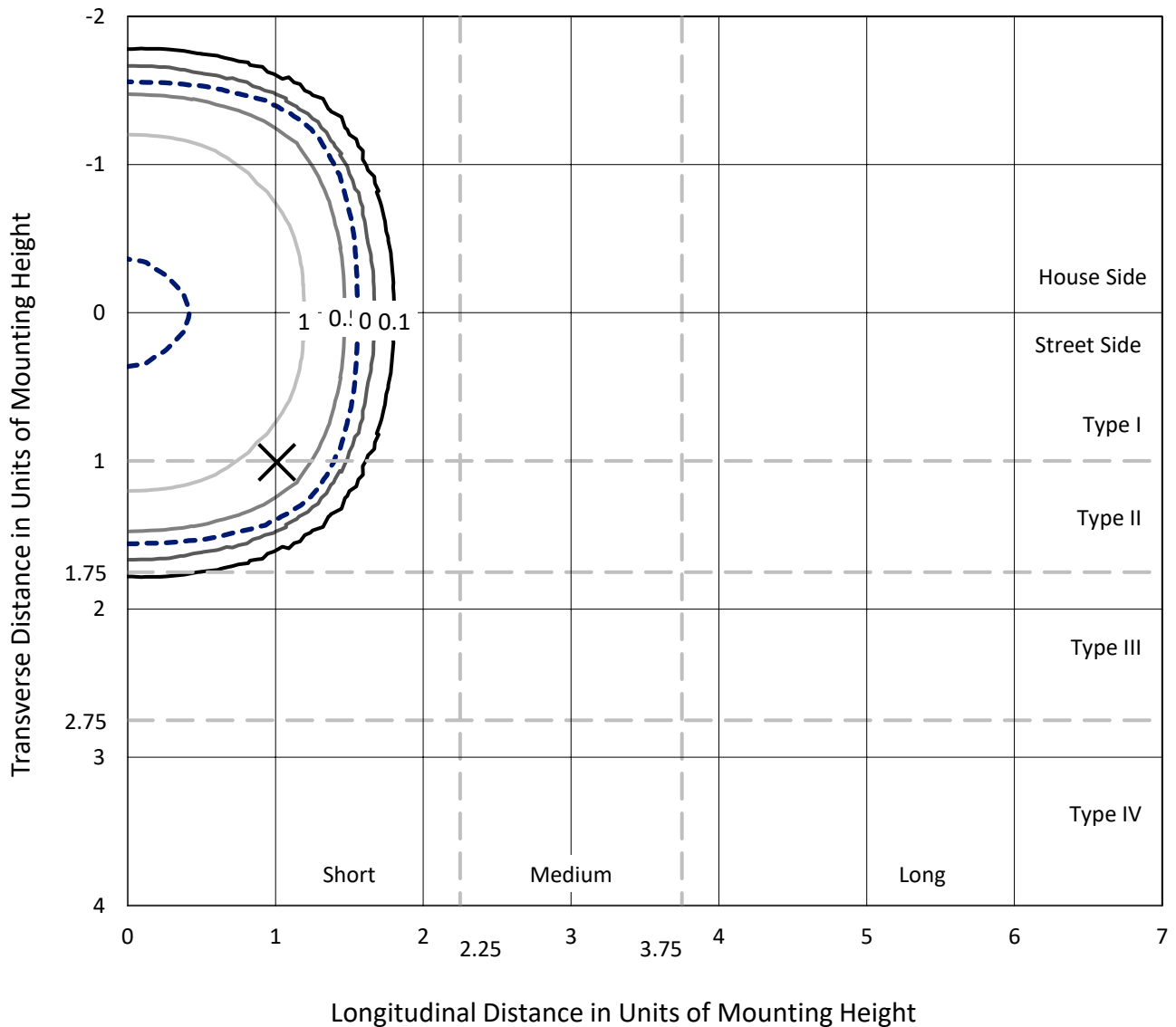
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

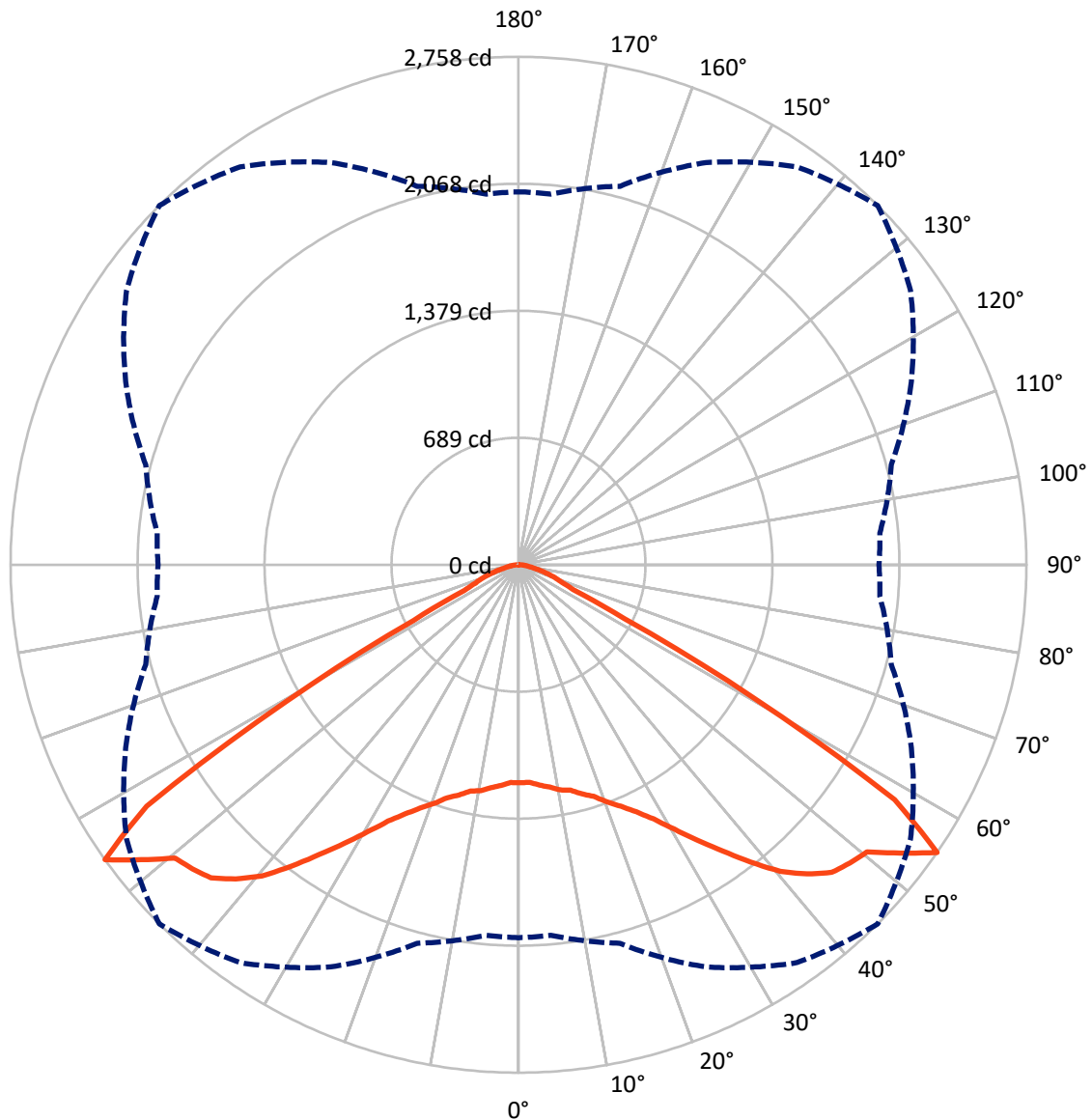
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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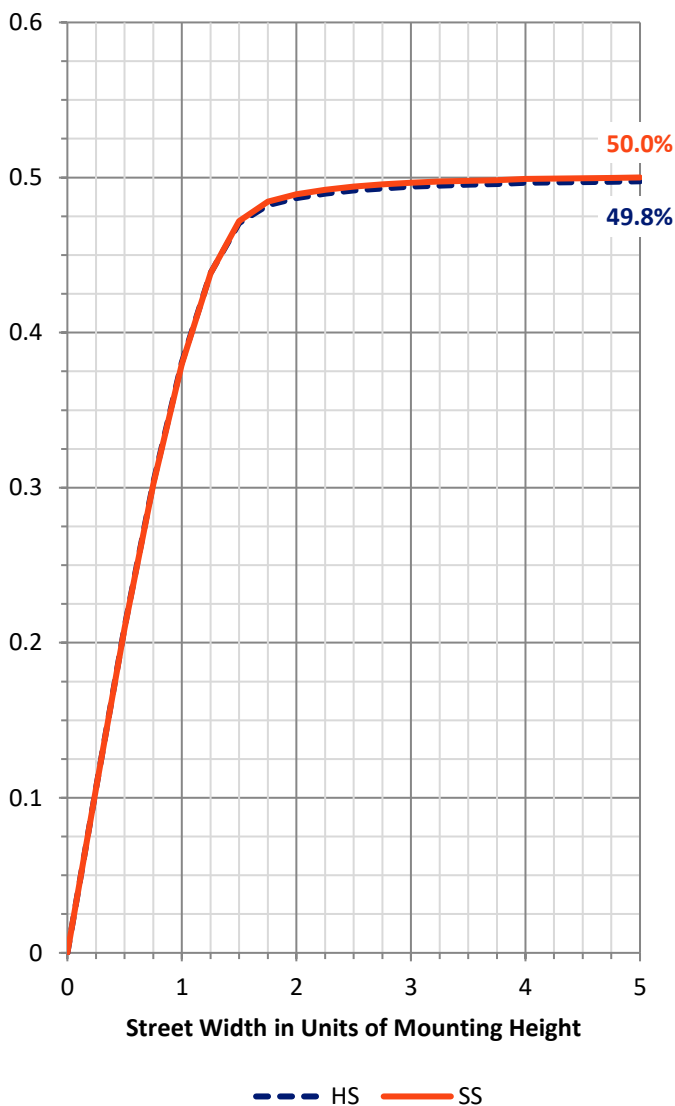
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3240.0	0.0	3240.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3240.0	0.0	3240.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6480.1	0.0	6480.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	1.8
10°-20°	366.2	5.7
20°-30°	682.9	10.5
30°-40°	1143.4	17.6
40°-50°	1779.2	27.5
50°-60°	1847.4	28.5
60°-70°	391.8	6.0
70°-80°	129.0	2.0
80°-90°	24.6	0.4
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°	6480.1	100.0
0°-180°	6480.1	100.0

Coefficient of Utilization

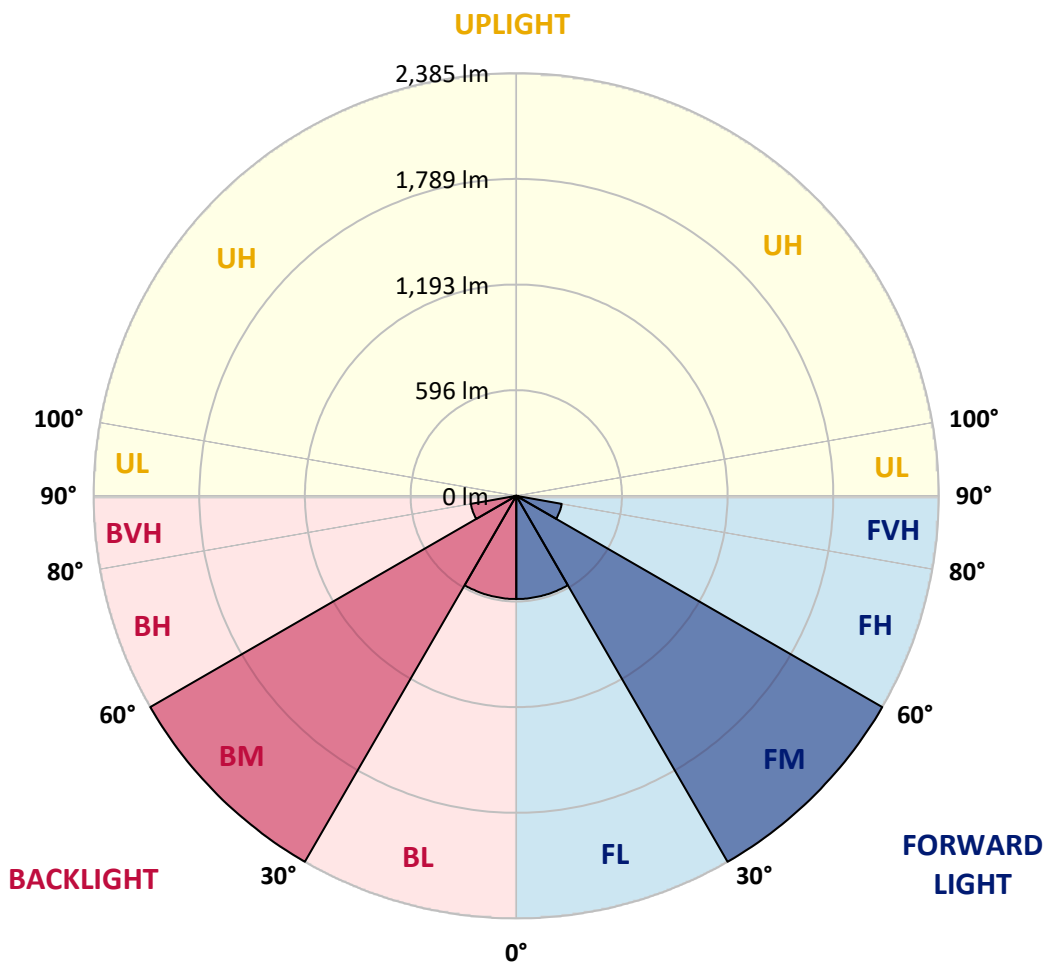


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.4	9.0			
FM (30°-60°)	2385.0	36.8			
FH (60°-80°)	260.4	4.0			G0/660
FVH (80°-90°)	12.3	0.2			G1/100
BL (0°-30°)	582.4	9.0	B2/1000		
BM (30°-60°)	2385.0	36.8	B2/2500		
BH (60°-80°)	260.4	4.0	B1/500		G0/660
BVH (80°-90°)	12.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1183.2	1183.2	1183.2	1183.2	1183.2	1183.2	1183.2	1183.2	1183.2	1183.2	1183.2
2.5°	1197.3	1191.8	1182.4	1189.5	1194.9	1183.2	1187.9	1190.2	1188.7	1182.4	1184.8
5°	1214.5	1211.4	1203.5	1209.0	1202.0	1202.0	1197.3	1191.0	1200.4	1198.9	1202.8
7.5°	1214.5	1210.6	1226.3	1216.1	1219.2	1219.2	1211.4	1205.1	1209.8	1202.8	1198.9
10°	1238.8	1244.3	1237.2	1239.6	1238.0	1243.5	1231.7	1227.8	1223.9	1221.6	1216.9
12.5°	1267.8	1263.8	1266.2	1264.6	1270.1	1256.0	1249.0	1240.4	1247.4	1237.2	1244.3
15°	1291.2	1288.9	1291.2	1297.5	1292.0	1291.2	1278.7	1270.1	1259.1	1261.5	1250.5
17.5°	1323.3	1321.0	1321.8	1327.3	1326.5	1322.6	1313.2	1296.7	1292.8	1286.5	1279.5
20°	1371.1	1367.2	1365.6	1368.0	1371.9	1375.0	1356.2	1350.0	1336.7	1326.5	1314.7
22.5°	1411.8	1410.3	1416.5	1406.3	1415.0	1424.4	1406.3	1403.2	1370.3	1364.8	1352.3
25°	1468.2	1465.9	1461.9	1476.8	1487.0	1486.2	1469.0	1451.8	1426.7	1420.4	1420.4
27.5°	1527.7	1514.4	1534.8	1538.7	1556.7	1562.2	1547.3	1522.2	1498.7	1485.4	1488.6
30°	1602.1	1589.6	1594.3	1622.5	1645.9	1666.3	1628.7	1591.9	1559.0	1535.5	1531.6
32.5°	1676.5	1664.0	1678.0	1705.5	1752.4	1783.0	1746.2	1682.0	1643.6	1609.1	1616.2
35°	1736.8	1746.2	1768.9	1810.4	1858.9	1908.2	1849.5	1800.2	1745.4	1707.0	1712.5
37.5°	1833.9	1862.8	1880.8	1928.6	1997.5	2048.4	1987.3	1923.1	1864.4	1814.3	1797.1
40°	1960.7	1980.3	2000.6	2057.0	2138.5	2189.3	2131.4	2047.6	1989.7	1938.0	1935.7
42.5°	2100.1	2118.9	2140.0	2208.9	2257.5	2295.8	2242.6	2198.0	2133.8	2093.0	2090.7
45°	2262.2	2248.9	2272.3	2317.8	2358.5	2383.5	2349.1	2327.2	2281.0	2243.4	2239.5
47.5°	2370.2	2358.5	2400.8	2441.6	2447.8	2420.4	2427.5	2447.8	2399.3	2337.3	2356.9
50°	2432.9	2432.9	2461.1	2498.7	2487.0	2451.7	2507.3	2508.9	2460.3	2405.5	2405.5
52.5°	2324.0	2348.3	2428.2	2551.2	2590.3	2600.5	2588.0	2534.7	2407.9	2295.8	2290.4
55°	2024.9	2019.4	2127.5	2409.4	2637.3	2757.9	2598.2	2353.0	2095.4	1969.3	1956.8
57.5°	1317.1	1323.3	1484.6	1772.0	2183.1	2407.9	2138.5	1793.9	1484.6	1310.8	1327.3
60°	592.7	613.9	711.7	926.4	1279.5	1462.7	1282.6	973.3	747.0	648.3	656.9
62.5°	340.6	344.5	348.4	413.4	545.0	644.4	566.1	436.9	385.2	368.0	368.0
65°	287.4	285.0	285.8	291.3	305.4	325.7	317.1	305.4	306.9	305.4	303.0
67.5°	244.3	247.4	245.1	249.0	249.8	252.9	258.4	263.1	263.9	265.4	263.9
70°	200.4	201.2	202.8	205.9	206.7	209.1	216.9	220.8	223.2	223.2	226.3
72.5°	153.5	152.7	154.3	157.4	161.3	162.1	169.1	174.6	177.7	173.8	174.6
75°	101.0	101.8	104.1	106.5	112.0	117.4	119.8	125.3	126.1	127.6	123.7
77.5°	60.3	61.9	64.2	68.9	73.6	78.3	83.8	87.7	89.3	87.7	83.0
80°	39.2	39.2	42.3	46.2	51.7	55.6	58.7	61.9	64.2	61.9	60.3
82.5°	24.3	24.3	28.2	32.9	36.8	39.2	43.8	47.8	50.1	48.5	46.2
85°	12.5	13.3	16.4	20.4	23.5	25.1	24.3	21.9	19.6	18.8	17.2
87.5°	3.9	3.9	4.7	4.7	3.9	3.9	4.7	3.9	4.7	4.7	4.7
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)