

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: P651722

Luminaire Tested: **GALN-SA2A-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6776.8 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

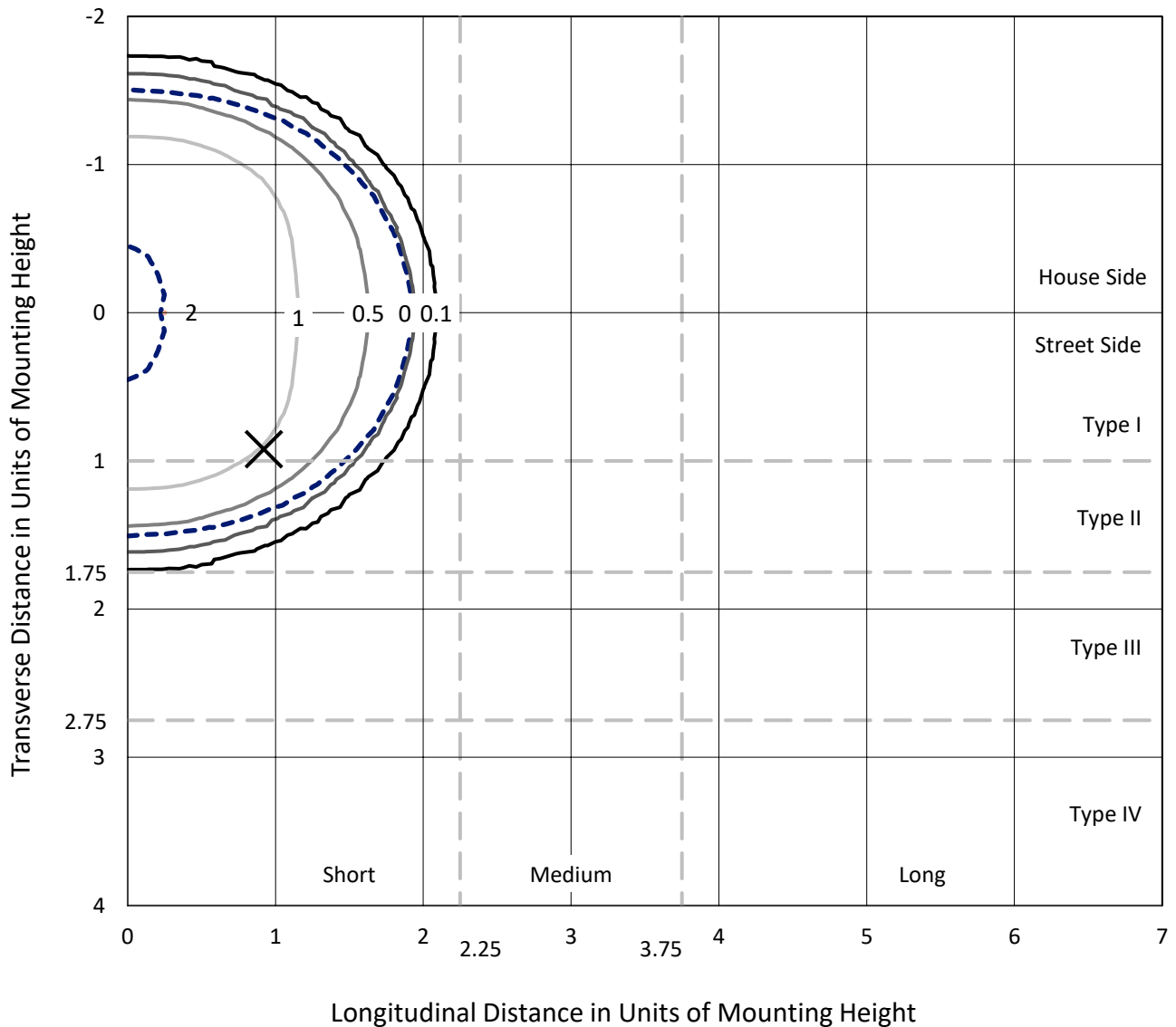
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

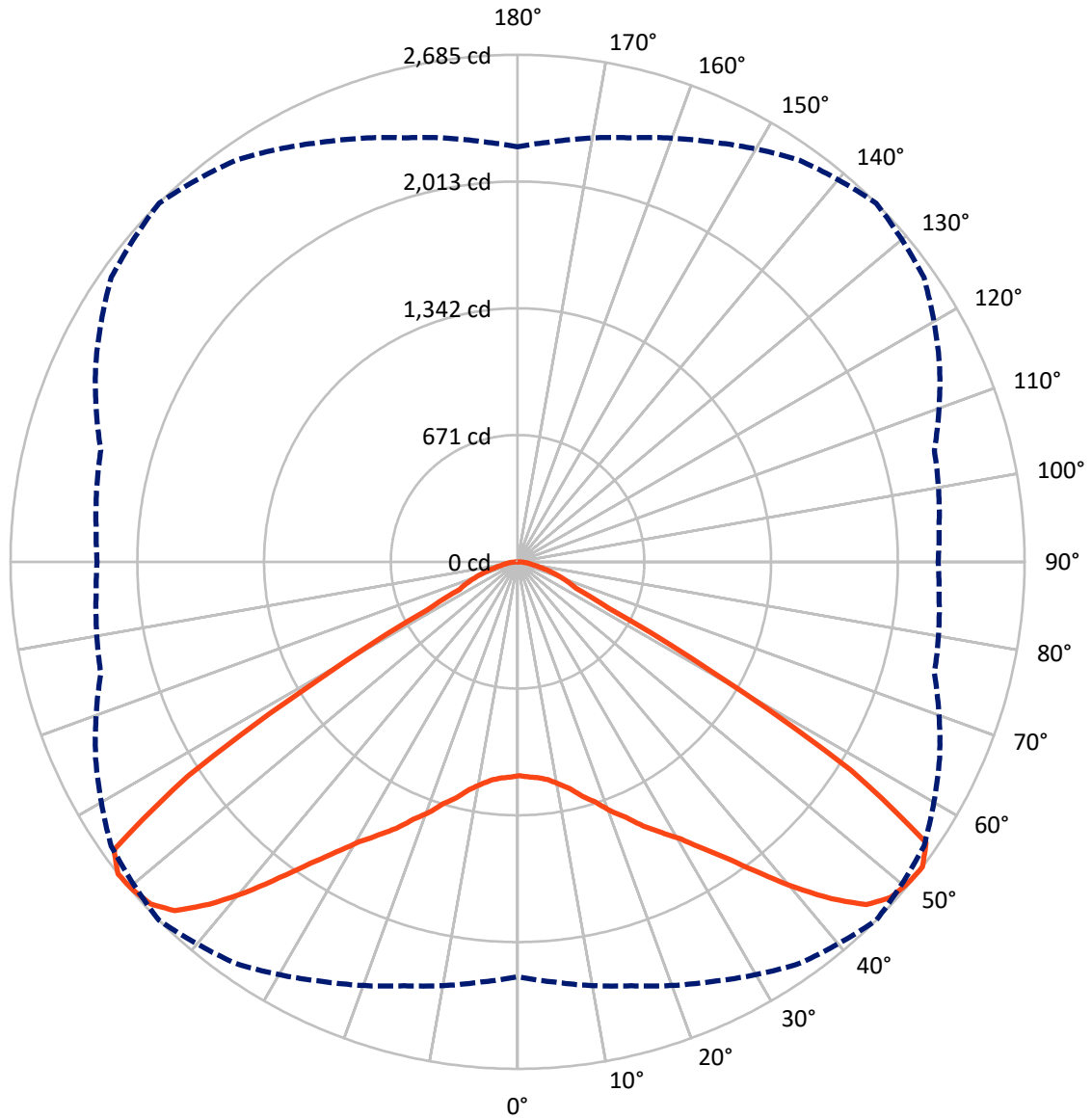
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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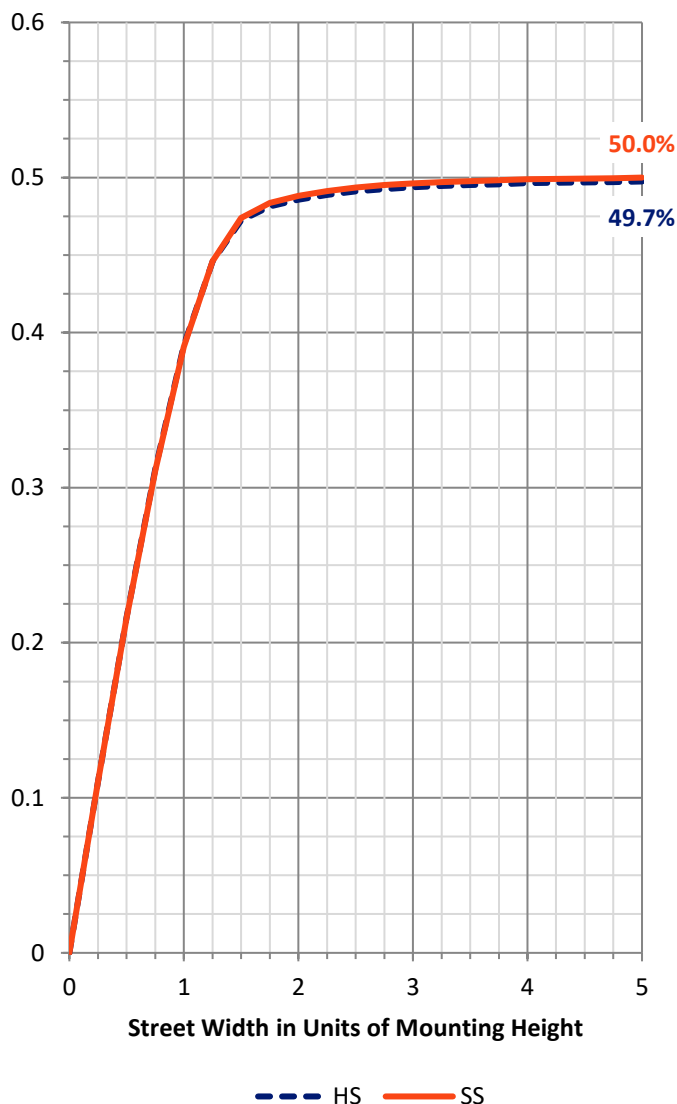
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3388.4	0.0	3388.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3388.4	0.0	3388.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6776.8	0.0	6776.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	1.6
10°-20°	365.7	5.4
20°-30°	696.3	10.3
30°-40°	1195.5	17.6
40°-50°	1837.6	27.1
50°-60°	1866.0	27.5
60°-70°	520.0	7.7
70°-80°	153.4	2.3
80°-90°	30.9	0.5
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°	6776.8	100.0
0°-180°	6776.8	100.0

Coefficient of Utilization



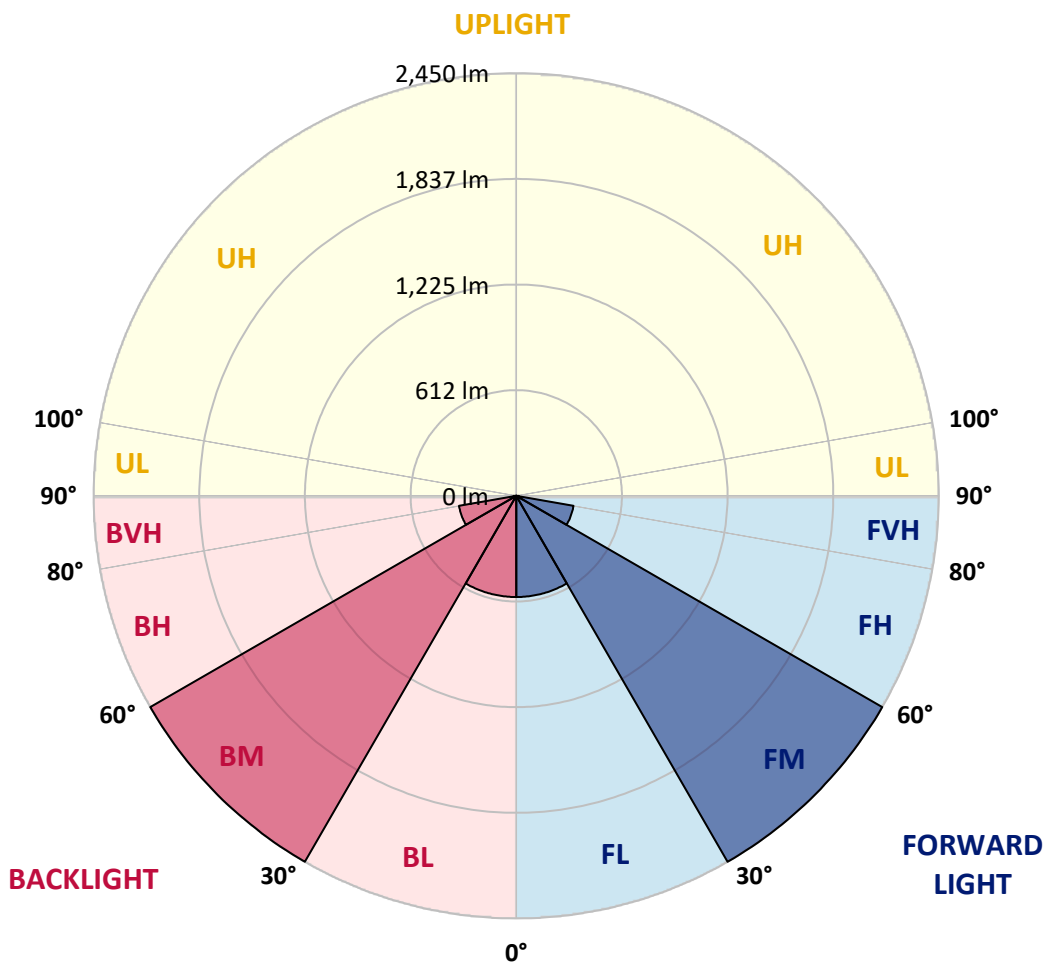
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.6	8.7			
FM (30°-60°)	2449.6	36.1			
FH (60°-80°)	336.7	5.0			G0/660
FVH (80°-90°)	15.5	0.2			G1/100
BL (0°-30°)	586.6	8.7	B2/1000		
BM (30°-60°)	2449.6	36.1	B2/2500		
BH (60°-80°)	336.7	5.0	B1/500		G0/660
BVH (80°-90°)	15.5	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°	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8
2.5°	1135.4	1123.6	1127.8	1130.3	1141.2	1140.4	1137.9	1141.2	1144.6	1145.4	1143.8
5°	1134.5	1126.1	1129.5	1132.0	1142.9	1148.8	1147.1	1161.4	1171.5	1169.0	1181.6
7.5°	1127.8	1132.8	1128.6	1141.2	1150.5	1164.8	1179.9	1193.4	1206.0	1220.3	1222.8
10°	1142.9	1142.9	1150.5	1160.6	1185.0	1195.9	1217.8	1237.1	1261.5	1278.3	1271.6
12.5°	1158.9	1161.4	1161.4	1187.5	1207.7	1232.1	1252.2	1278.3	1312.8	1333.0	1343.1
15°	1174.9	1176.6	1185.0	1220.3	1250.6	1289.3	1307.8	1331.3	1350.6	1388.5	1389.3
17.5°	1189.2	1198.4	1223.7	1263.2	1301.0	1338.0	1367.5	1391.9	1408.7	1423.8	1420.4
20°	1243.0	1249.7	1275.8	1315.3	1371.7	1407.8	1417.9	1422.1	1433.1	1463.3	1454.1
22.5°	1295.1	1297.7	1322.1	1382.6	1422.1	1470.1	1481.0	1478.5	1482.7	1490.3	1503.7
25°	1349.0	1353.2	1386.8	1438.1	1493.6	1550.8	1560.1	1540.7	1534.8	1543.2	1544.1
27.5°	1417.9	1418.8	1461.7	1506.2	1569.3	1623.1	1637.4	1622.3	1594.5	1601.3	1612.2
30°	1505.4	1499.5	1542.4	1606.3	1672.7	1703.0	1727.4	1719.8	1689.6	1683.7	1674.4
32.5°	1606.3	1608.0	1646.7	1716.5	1760.2	1810.7	1836.7	1824.1	1804.8	1794.7	1800.6
35°	1748.4	1756.0	1782.1	1840.1	1910.8	1936.0	1977.2	1950.3	1899.8	1912.4	1923.4
37.5°	1865.3	1887.2	1936.0	2004.9	2047.0	2093.2	2108.4	2072.2	2035.2	2020.1	2056.2
40°	2044.5	2037.7	2091.6	2160.5	2222.8	2269.0	2249.7	2213.5	2121.8	2122.7	2132.8
42.5°	2198.4	2201.7	2242.9	2325.4	2410.3	2438.9	2377.5	2289.2	2187.4	2176.5	2198.4
45°	2327.9	2341.3	2364.9	2475.1	2558.3	2589.4	2475.9	2371.6	2235.4	2190.0	2226.1
47.5°	2374.1	2396.0	2447.3	2548.2	2630.6	2655.9	2565.0	2415.4	2280.0	2205.9	2225.3
50°	2380.9	2373.3	2457.4	2549.9	2622.2	2676.9	2597.0	2447.3	2269.0	2230.3	2224.4
52.5°	2196.7	2233.7	2323.7	2450.7	2597.0	2684.5	2625.6	2465.0	2284.2	2240.4	2226.1
55°	1777.9	1734.1	1898.1	2111.8	2380.9	2623.9	2615.5	2474.2	2293.4	2257.2	2237.9
57.5°	992.4	1005.0	1097.5	1329.6	1677.0	2080.6	2325.4	2376.7	2289.2	2268.2	2278.3
60°	459.2	463.4	502.9	611.4	826.7	1179.9	1502.0	1829.2	1979.7	2010.0	2010.0
62.5°	342.3	340.6	350.7	370.0	415.5	542.4	724.1	984.0	1190.9	1335.5	1373.4
65°	309.5	308.6	313.7	320.4	323.8	341.4	381.8	461.7	529.0	567.7	560.9
67.5°	270.8	270.0	271.6	275.8	281.7	291.0	301.1	317.9	341.4	339.8	335.6
70°	218.7	218.7	221.2	224.5	231.3	242.2	254.0	265.8	285.9	290.1	289.3
72.5°	161.5	158.9	164.0	170.7	177.5	190.9	203.5	214.5	228.8	233.0	231.3
75°	102.6	104.3	107.6	115.2	127.0	136.2	149.7	158.9	168.2	171.6	172.4
77.5°	57.2	58.9	64.8	74.0	85.8	95.9	107.6	115.2	121.1	121.9	122.8
80°	34.5	35.3	41.2	49.6	59.7	70.6	79.9	87.5	92.5	90.0	89.1
82.5°	21.0	21.9	26.9	34.5	42.9	51.3	61.4	68.1	73.2	69.8	66.4
85°	10.9	11.8	16.0	21.0	27.8	32.0	32.0	28.6	27.8	26.1	25.2
87.5°	3.4	3.4	4.2	5.0	4.2	5.0	5.9	6.7	6.7	7.6	6.7
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)