

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: P527033

Luminaire Tested: **GALN-SA2A-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5536 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

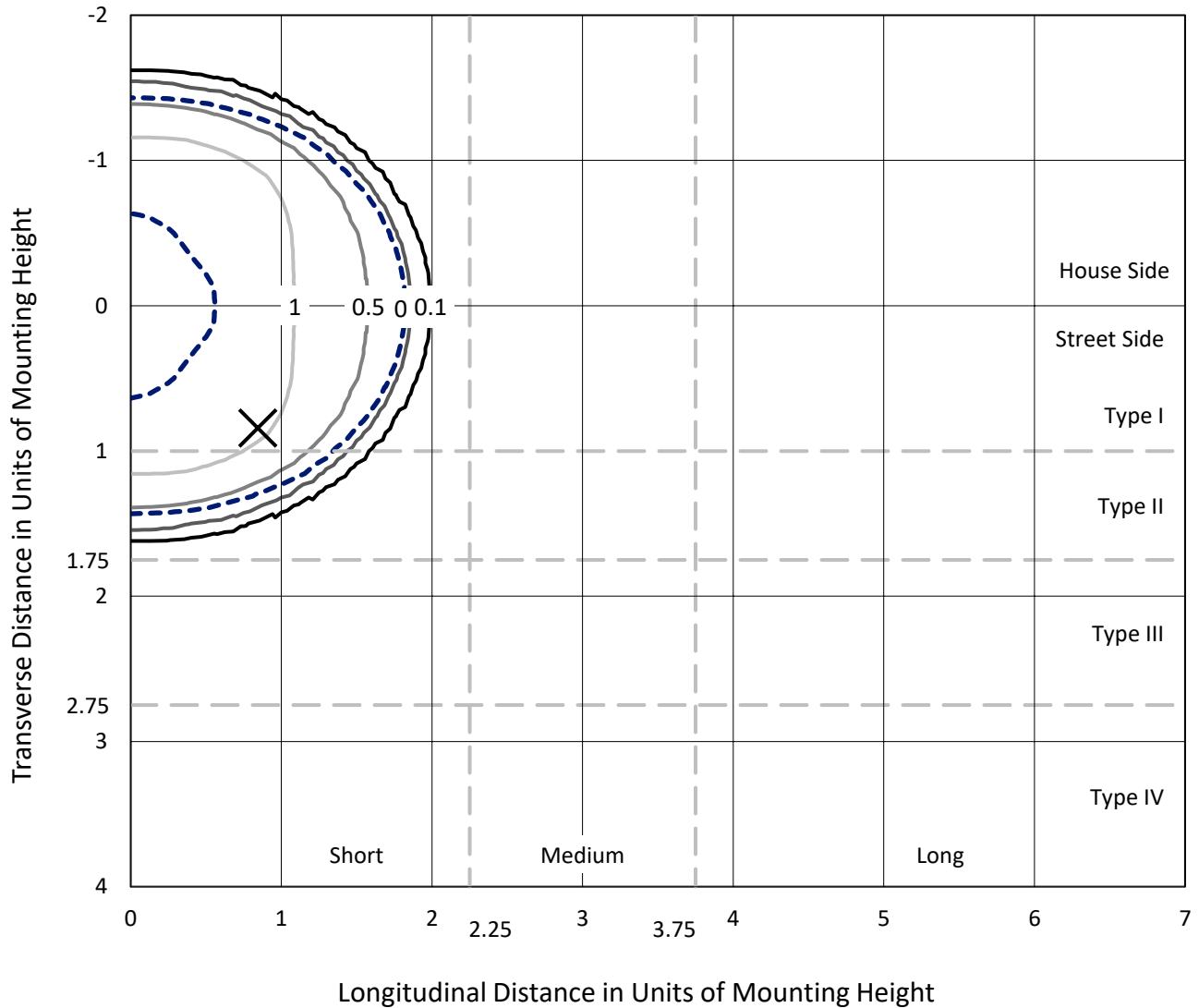
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

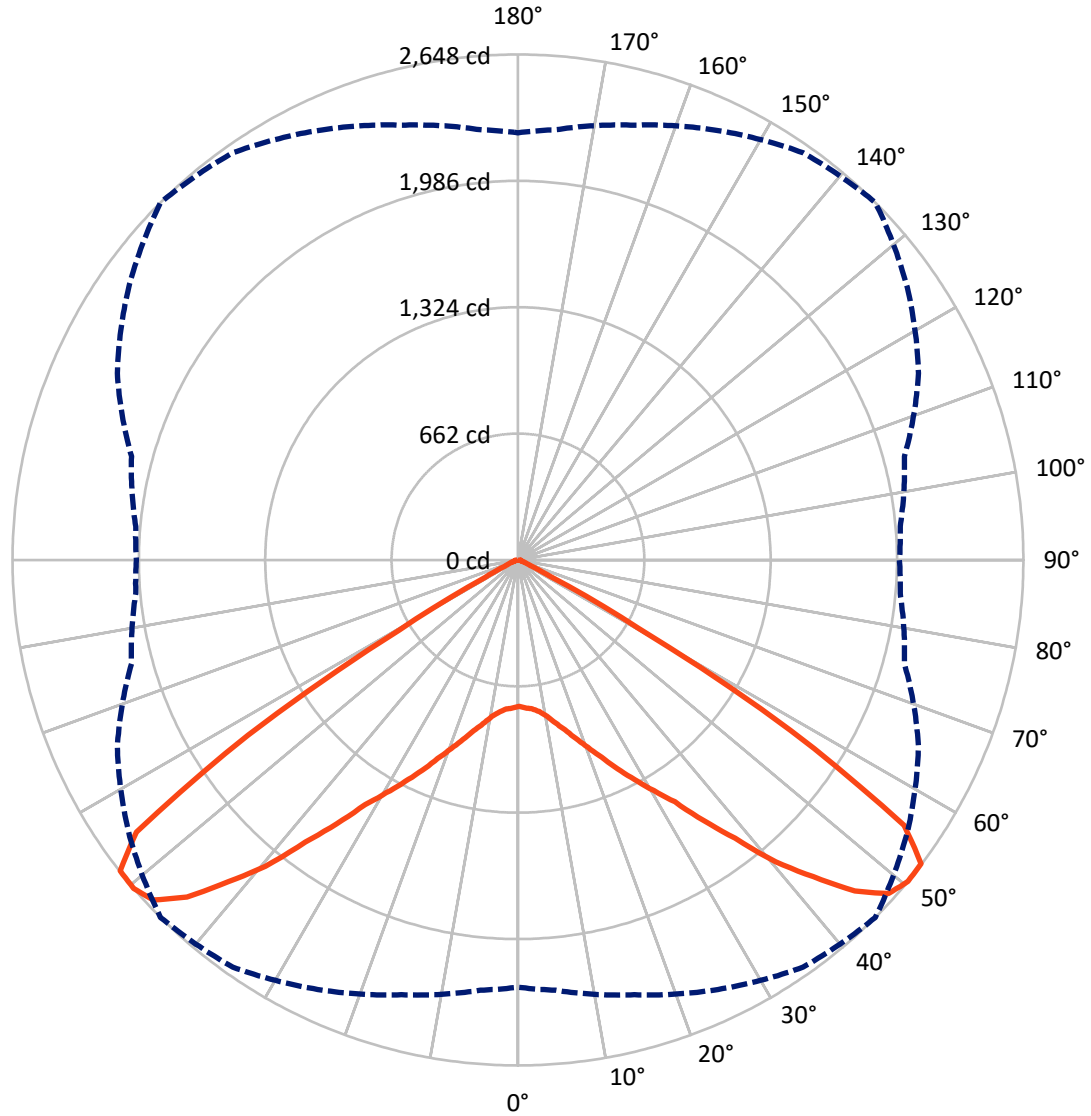
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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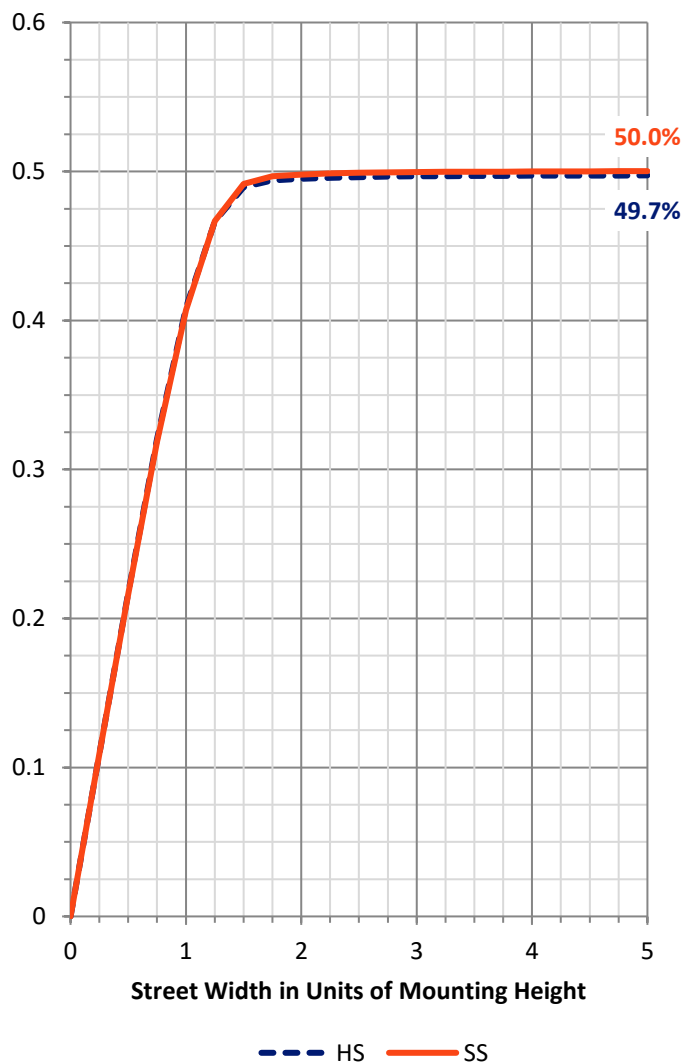
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2768.0	0.0	2768.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2768.0	0.0	2768.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5536.0	0.0	5536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.4
10°-20°	263.2	4.8
20°-30°	537.5	9.7
30°-40°	1025.0	18.5
40°-50°	1727.2	31.2
50°-60°	1647.2	29.8
60°-70°	229.9	4.2
70°-80°	22.0	0.4
80°-90°	7.6	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°	5536.0	100.0
0°-180°	5536.0	100.0

Coefficient of Utilization



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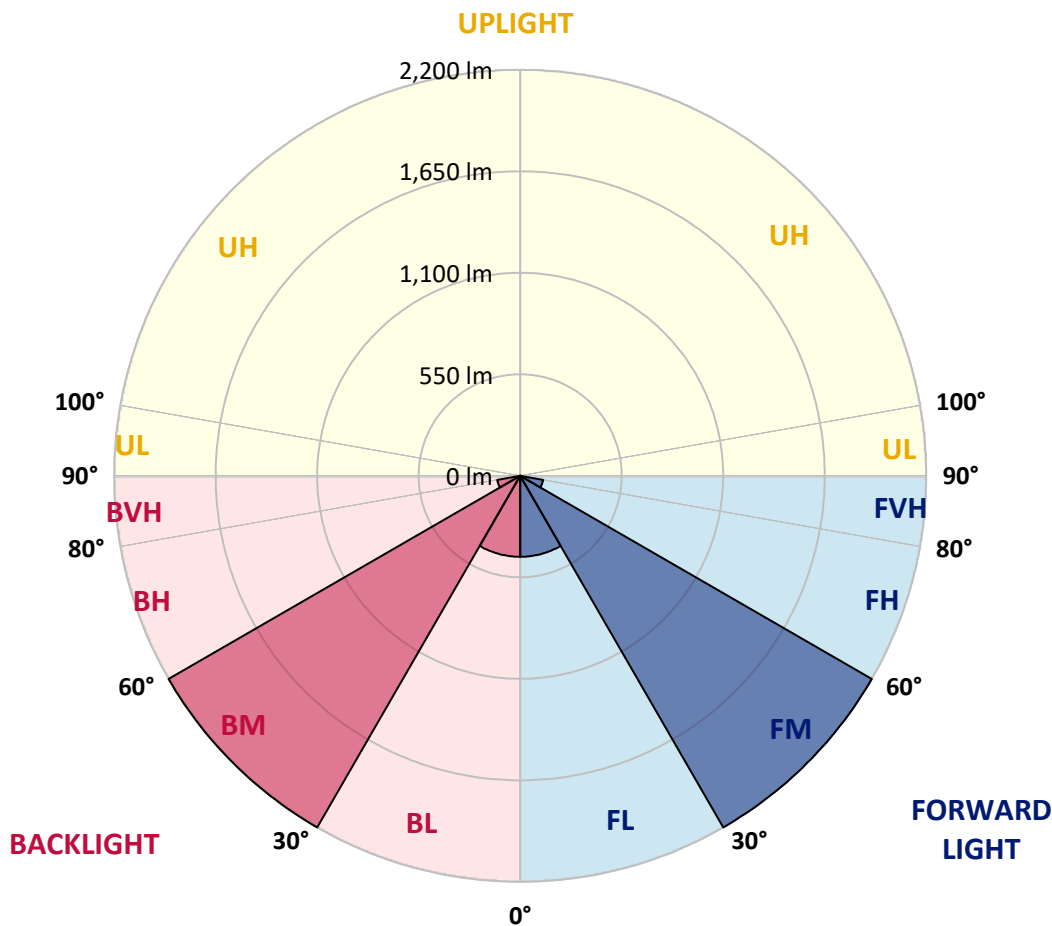
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.5	7.9			
FM (30°-60°)	2199.7	39.7			
FH (60°-80°)	126.0	2.3			G0/660
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	438.5	7.9	B1/500		
BM (30°-60°)	2199.7	39.7	B2/2500		
BH (60°-80°)	126.0	2.3	B1/500		G0/660
BVH (80°-90°)	3.8	0.1			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°	767.5	767.5	767.5	767.5	767.5	767.5	767.5	767.5	767.5	767.5	767.5
2.5°	764.7	764.7	763.8	771.2	767.5	775.9	775.0	777.8	780.5	779.6	787.1
5°	758.2	757.3	757.3	765.6	774.0	783.3	791.7	797.3	806.6	806.6	815.9
7.5°	764.7	760.1	766.6	770.3	786.1	802.0	815.9	827.1	848.5	856.0	853.2
10°	766.6	772.2	776.8	788.0	807.6	831.8	843.9	871.8	896.0	912.8	916.5
12.5°	778.7	787.1	800.1	827.1	844.8	876.5	893.2	920.3	953.8	972.4	985.5
15°	802.0	804.8	821.5	856.0	894.2	923.1	949.1	968.7	1001.3	1022.7	1023.7
17.5°	831.8	843.9	867.2	899.8	939.8	982.7	1003.2	1024.6	1036.7	1065.6	1072.1
20°	891.4	893.2	915.6	958.5	1008.7	1047.9	1062.8	1073.9	1069.3	1099.1	1104.7
22.5°	947.3	949.1	977.1	1034.8	1088.9	1122.4	1128.9	1122.4	1108.4	1129.8	1131.7
25°	1004.1	1020.9	1041.3	1099.1	1166.2	1210.9	1211.8	1194.1	1165.2	1169.0	1178.3
27.5°	1092.6	1104.7	1126.1	1179.2	1252.8	1303.1	1294.7	1273.3	1236.0	1238.8	1236.0
30°	1196.0	1207.1	1224.8	1292.8	1346.9	1401.8	1413.9	1393.4	1337.5	1325.4	1339.4
32.5°	1320.8	1336.6	1369.2	1431.6	1477.3	1510.8	1519.2	1511.7	1459.6	1454.9	1464.2
35°	1472.6	1494.0	1523.8	1578.8	1616.0	1676.6	1676.6	1651.4	1603.9	1609.5	1608.6
37.5°	1632.8	1664.5	1711.1	1766.9	1817.2	1849.8	1839.6	1818.2	1770.7	1758.6	1770.7
40°	1834.0	1849.8	1908.5	1981.2	2042.6	2079.9	2036.1	1989.6	1875.9	1893.6	1926.2
42.5°	2017.5	2042.6	2087.4	2167.5	2237.3	2268.1	2215.9	2123.7	1986.8	1972.8	1997.0
45°	2174.0	2201.0	2259.7	2374.2	2447.8	2474.8	2359.3	2210.3	2053.8	2018.4	2028.7
47.5°	2278.3	2292.3	2374.2	2483.2	2550.3	2611.8	2446.0	2269.9	2085.5	2018.4	2014.7
50°	2238.2	2262.5	2358.4	2482.3	2604.3	2648.1	2489.7	2315.6	2095.7	2010.0	1998.9
52.5°	1987.7	2029.6	2136.7	2303.4	2487.9	2644.4	2550.3	2300.7	2092.0	2018.4	2035.2
55°	1383.2	1384.1	1514.5	1760.4	2086.4	2455.3	2461.8	2317.4	2116.2	2070.6	2071.5
57.5°	556.1	584.0	683.7	930.5	1231.4	1685.9	2004.5	2149.8	2119.0	2107.8	2136.7
60°	140.6	141.6	172.3	262.7	433.1	722.8	1049.7	1420.4	1635.6	1709.2	1719.4
62.5°	71.7	72.7	80.1	93.1	118.3	193.7	344.6	546.8	777.8	895.1	925.9
65°	58.7	58.7	63.3	69.9	70.8	74.5	89.4	127.6	185.4	210.5	213.3
67.5°	44.7	44.7	48.4	52.2	54.0	53.1	51.2	53.1	64.3	61.5	59.6
70°	27.9	28.9	30.7	34.5	36.3	37.3	38.2	40.1	45.6	47.5	45.6
72.5°	16.8	16.8	17.7	20.5	23.3	25.1	27.9	29.8	32.6	37.3	36.3
75°	7.5	7.5	9.3	12.1	14.9	17.7	20.5	23.3	25.1	27.9	28.9
77.5°	1.9	2.8	4.7	8.4	11.2	14.9	18.6	21.4	23.3	23.3	22.4
80°	0.9	0.9	3.7	6.5	12.1	15.8	20.5	22.4	25.1	23.3	20.5
82.5°	0.9	0.9	3.7	6.5	11.2	15.8	21.4	24.2	26.1	23.3	19.6
85°	0.0	0.9	2.8	5.6	9.3	11.2	9.3	6.5	3.7	3.7	2.8
87.5°	0.0	0.0	0.9	0.9	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)