

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: P527163

Luminaire Tested: **GALN-SA2A-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527163
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-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 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: 4723 lumens
Efficiency: N/A
Efficacy: 75.0 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

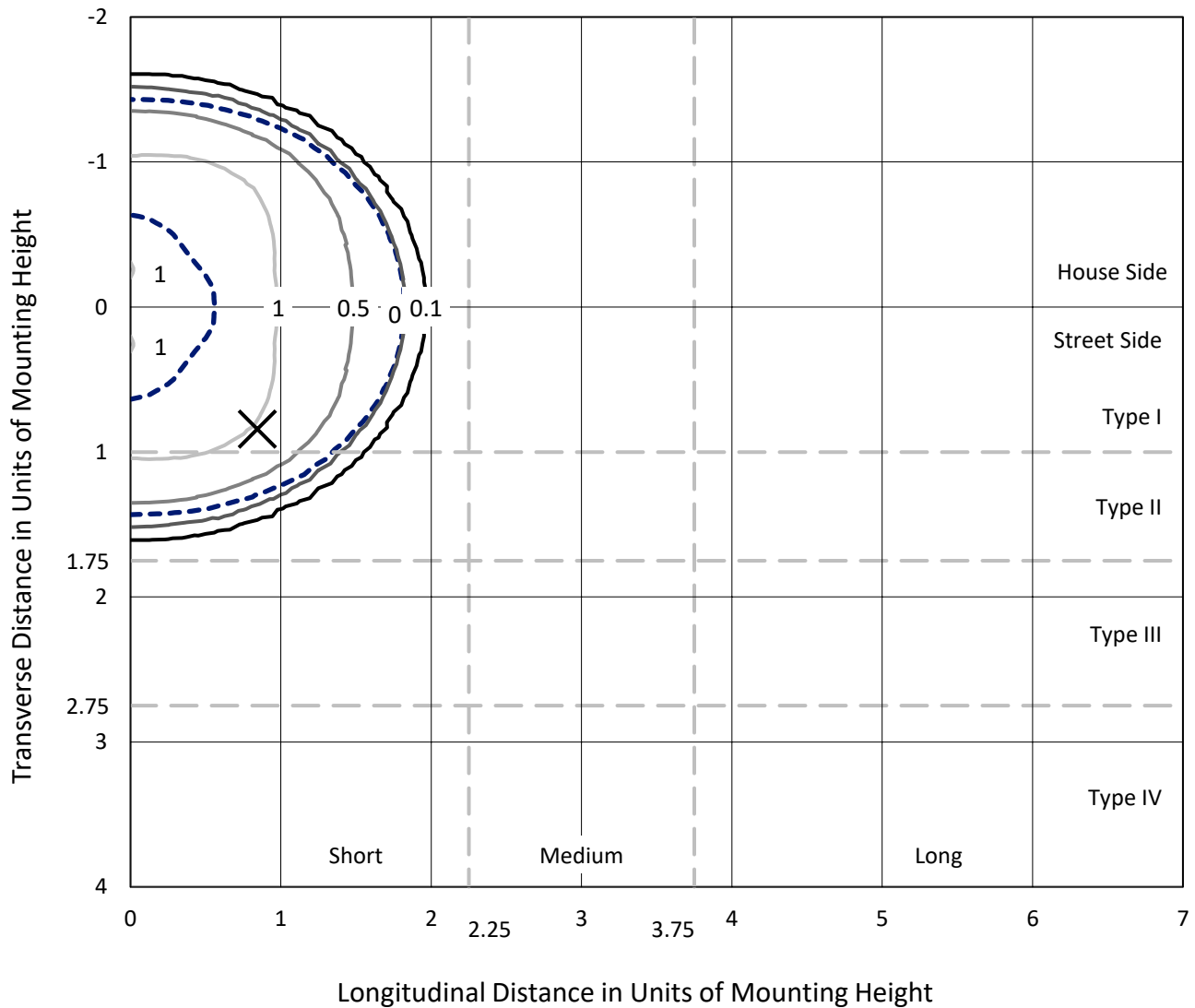


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

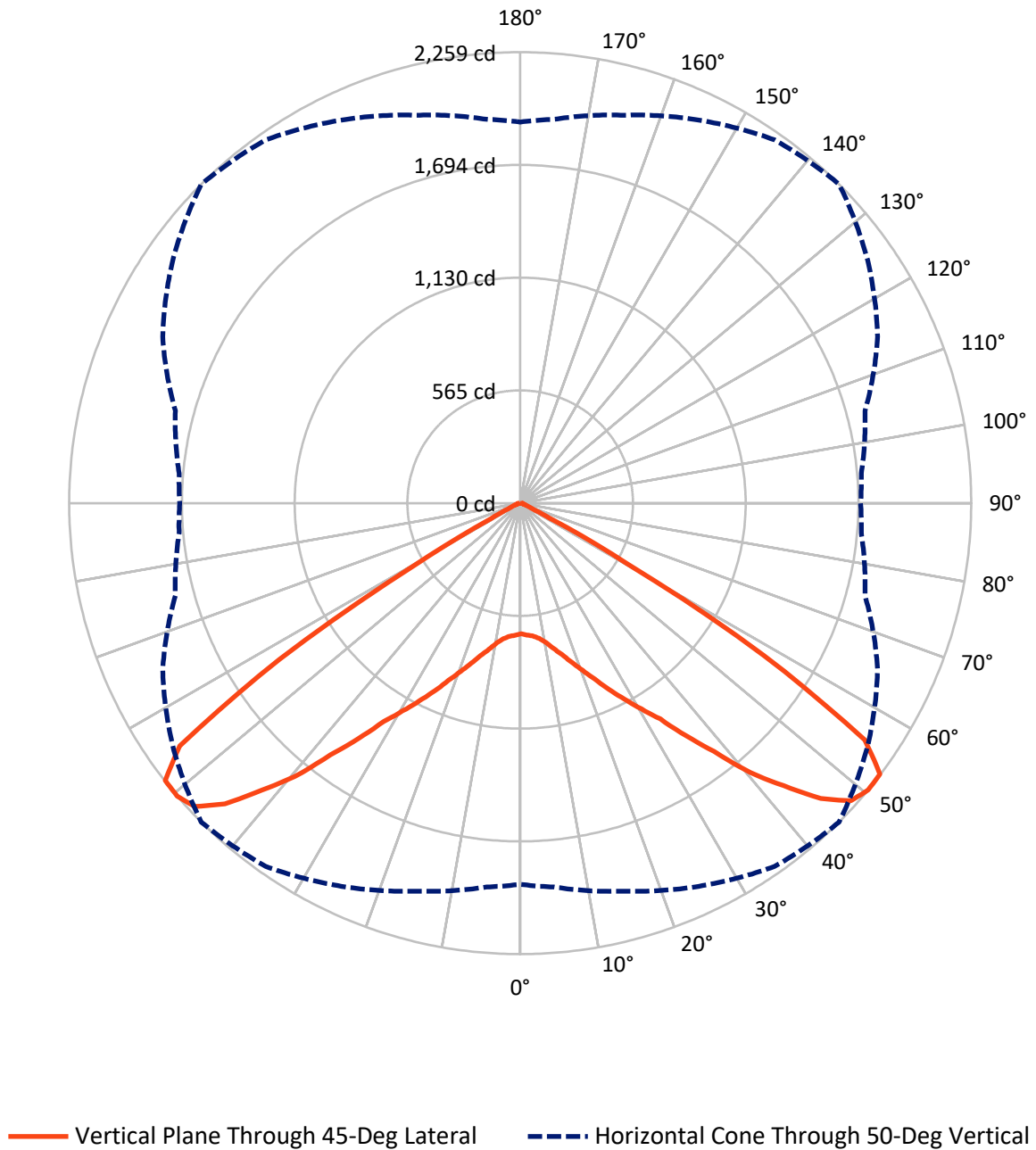


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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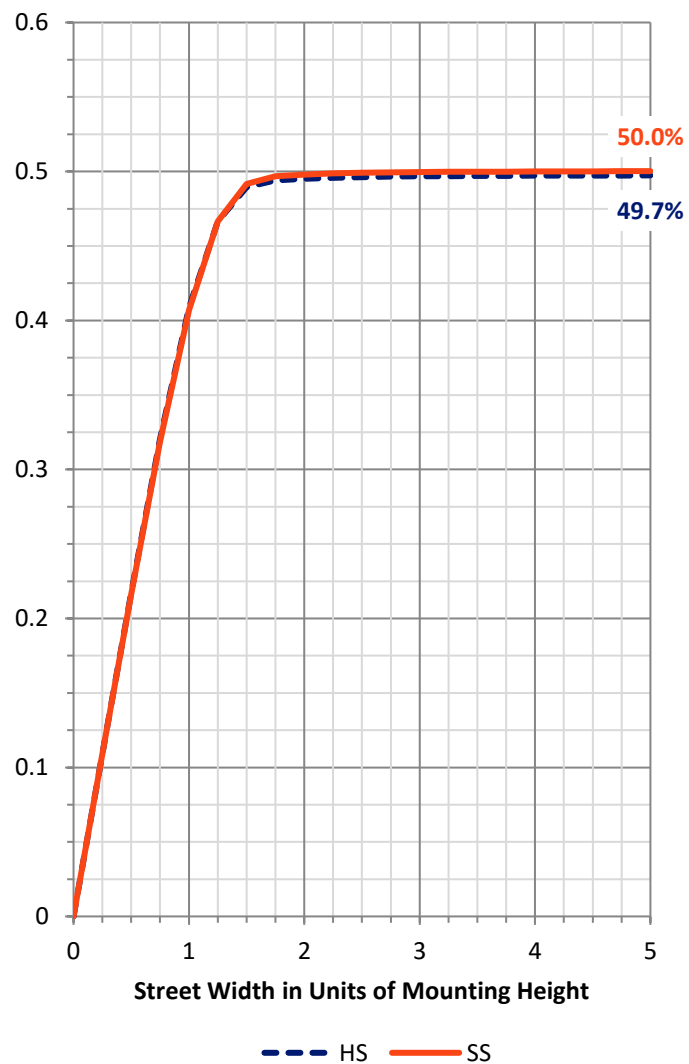
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2361.5	0.0	2361.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2361.5	0.0	2361.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4723.0	0.0	4723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.4
10°-20°	224.5	4.8
20°-30°	458.6	9.7
30°-40°	874.5	18.5
40°-50°	1473.6	31.2
50°-60°	1405.3	29.8
60°-70°	196.2	4.2
70°-80°	18.8	0.4
80°-90°	6.5	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°	4723.0	100.0
0°-180°	4723.0	100.0

Coefficient of Utilization



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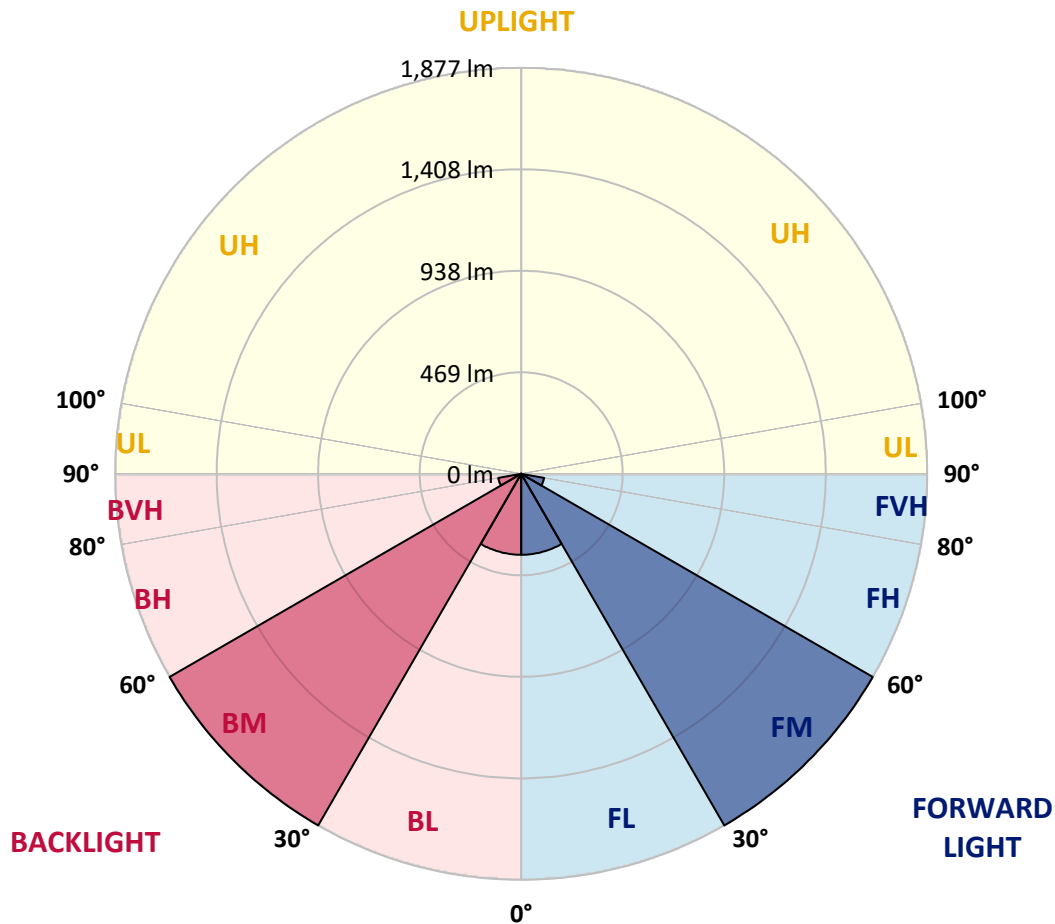
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.1	7.9			
FM	(30°-60°)	1876.7	39.7			
FH	(60°-80°)	107.5	2.3			G0/660
FVH	(80°-90°)	3.2	0.1			G0/10
BL	(0°-30°)	374.1	7.9	B1/500		
BM	(30°-60°)	1876.7	39.7	B2/2500		
BH	(60°-80°)	107.5	2.3	B0/110		G0/660
BVH	(80°-90°)	3.2	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°	654.8	654.8	654.8	654.8	654.8	654.8	654.8	654.8	654.8	654.8	654.8
2.5°	652.4	652.4	651.6	658.0	654.8	661.9	661.1	663.5	665.9	665.1	671.5
5°	646.8	646.1	646.1	653.2	660.4	668.3	675.5	680.2	688.2	688.2	696.1
7.5°	652.4	648.4	654.0	657.2	670.7	684.2	696.1	705.6	723.9	730.3	727.9
10°	654.0	658.8	662.7	672.3	689.0	709.6	720.0	743.8	764.5	778.8	781.9
12.5°	664.3	671.5	682.6	705.6	720.7	747.8	762.1	785.1	813.7	829.6	840.7
15°	684.2	686.6	700.9	730.3	762.9	787.5	809.7	826.4	854.2	872.5	873.3
17.5°	709.6	720.0	739.8	767.6	801.8	838.4	855.8	874.1	884.4	909.1	914.6
20°	760.5	762.1	781.1	817.7	860.6	894.0	906.7	916.2	912.3	937.7	942.5
22.5°	808.2	809.7	833.6	882.9	928.9	957.6	963.1	957.6	945.6	963.9	965.5
25°	856.6	870.9	888.4	937.7	994.9	1033.0	1033.8	1018.7	994.1	997.3	1005.2
27.5°	932.1	942.5	960.7	1006.0	1068.8	1111.7	1104.6	1086.3	1054.5	1056.9	1054.5
30°	1020.3	1029.9	1045.0	1103.0	1149.1	1195.9	1206.3	1188.8	1141.1	1130.8	1142.7
32.5°	1126.8	1140.3	1168.1	1221.4	1260.3	1288.9	1296.1	1289.7	1245.2	1241.2	1249.2
35°	1256.3	1274.6	1300.0	1346.9	1378.7	1430.4	1430.4	1408.9	1368.4	1373.2	1372.4
37.5°	1393.0	1420.0	1459.8	1507.5	1550.4	1578.2	1569.4	1551.2	1510.6	1500.3	1510.6
40°	1564.7	1578.2	1628.2	1690.2	1742.7	1774.5	1737.1	1697.4	1600.4	1615.5	1643.3
42.5°	1721.2	1742.7	1780.8	1849.2	1908.8	1935.0	1890.5	1811.8	1695.0	1683.1	1703.7
45°	1854.7	1877.8	1927.8	2025.6	2088.3	2111.4	2012.8	1885.7	1752.2	1722.0	1730.7
47.5°	1943.7	1955.6	2025.6	2118.5	2175.8	2228.2	2086.8	1936.6	1779.2	1722.0	1718.8
50°	1909.5	1930.2	2012.1	2117.7	2221.8	2259.2	2124.1	1975.5	1788.0	1714.9	1705.3
52.5°	1695.8	1731.5	1822.9	1965.2	2122.5	2256.0	2175.8	1962.8	1784.8	1722.0	1736.3
55°	1180.1	1180.9	1292.1	1501.9	1780.0	2094.7	2100.3	1977.1	1805.4	1766.5	1767.3
57.5°	474.4	498.2	583.3	793.9	1050.5	1438.3	1710.1	1834.1	1807.8	1798.3	1822.9
60°	120.0	120.8	147.0	224.1	369.5	616.6	895.6	1211.8	1395.4	1458.2	1466.9
62.5°	61.2	62.0	68.3	79.5	100.9	165.3	294.0	466.5	663.5	763.7	789.9
65°	50.1	50.1	54.0	59.6	60.4	63.6	76.3	108.9	158.1	179.6	182.0
67.5°	38.1	38.1	41.3	44.5	46.1	45.3	43.7	45.3	54.8	52.4	50.9
70°	23.8	24.6	26.2	29.4	31.0	31.8	32.6	34.2	38.9	40.5	38.9
72.5°	14.3	14.3	15.1	17.5	19.9	21.5	23.8	25.4	27.8	31.8	31.0
75°	6.4	6.4	7.9	10.3	12.7	15.1	17.5	19.9	21.5	23.8	24.6
77.5°	1.6	2.4	4.0	7.2	9.5	12.7	15.9	18.3	19.9	19.9	19.1
80°	0.8	0.8	3.2	5.6	10.3	13.5	17.5	19.1	21.5	19.9	17.5
82.5°	0.8	0.8	3.2	5.6	9.5	13.5	18.3	20.7	22.3	19.9	16.7
85°	0.0	0.8	2.4	4.8	7.9	9.5	7.9	5.6	3.2	3.2	2.4
87.5°	0.0	0.0	0.8	0.8	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)