

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: P651721

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651721
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-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 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: 4998.1 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

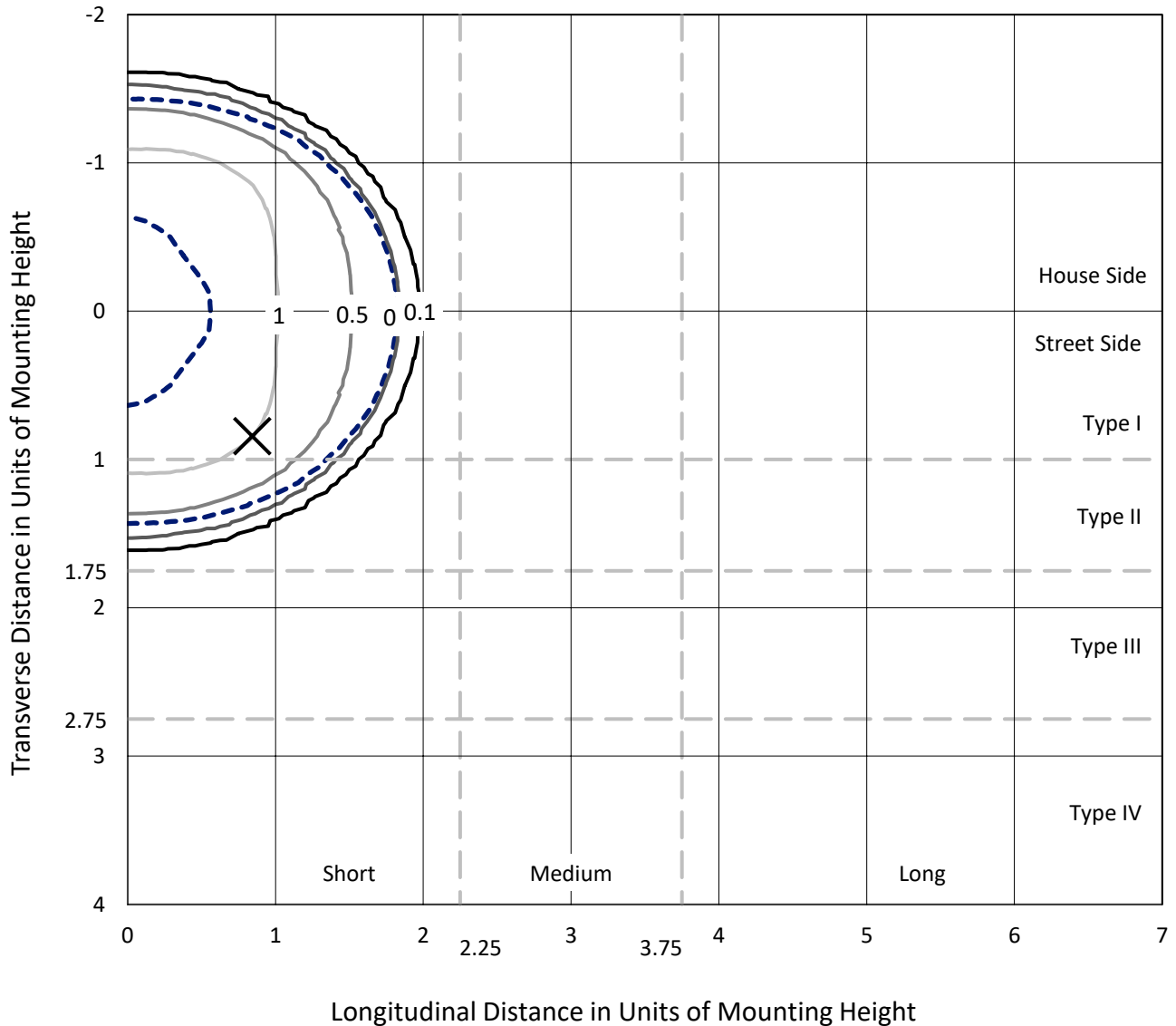
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

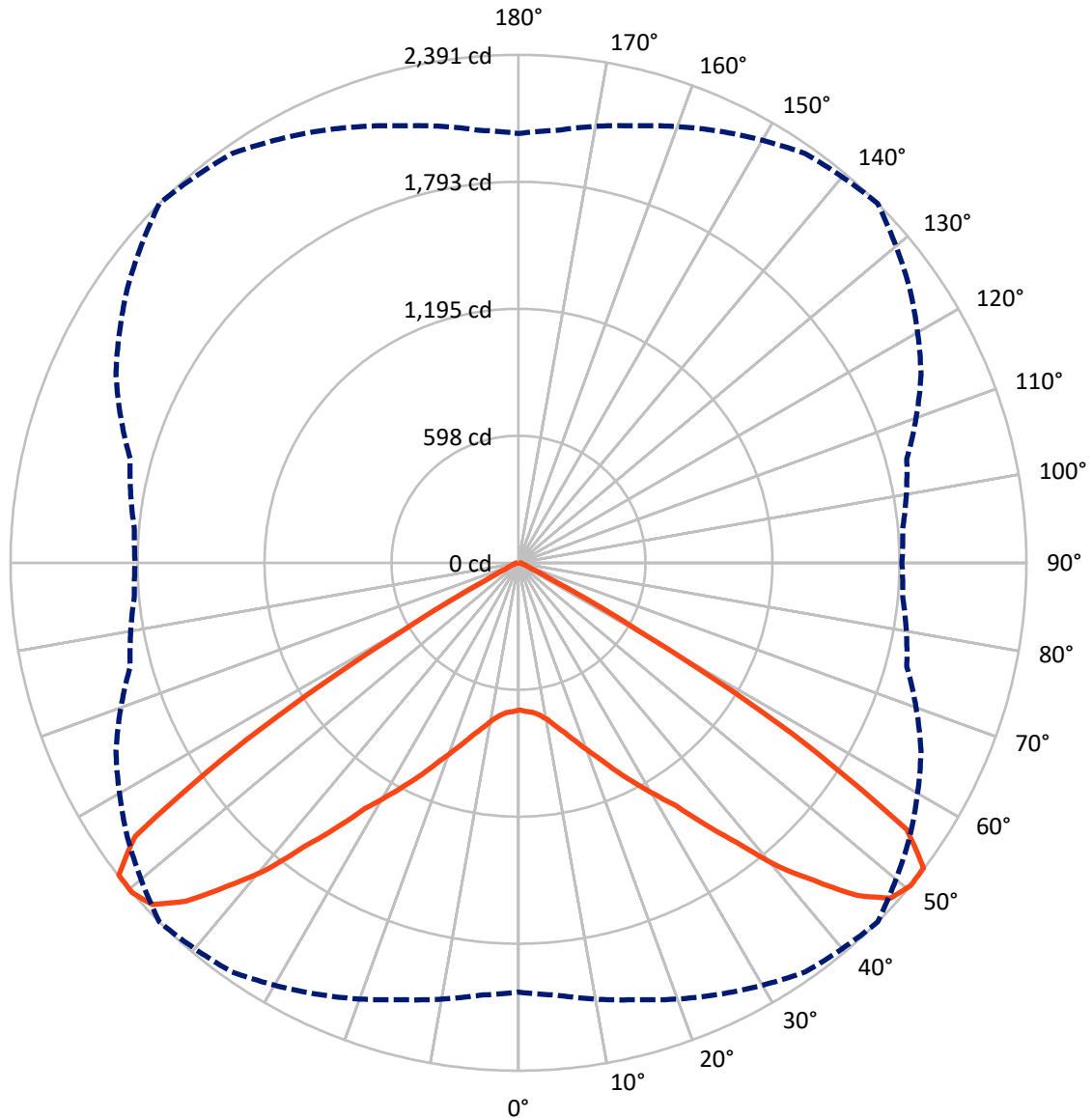
✕ Max cd
 - - - 1/2 Max cd



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



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

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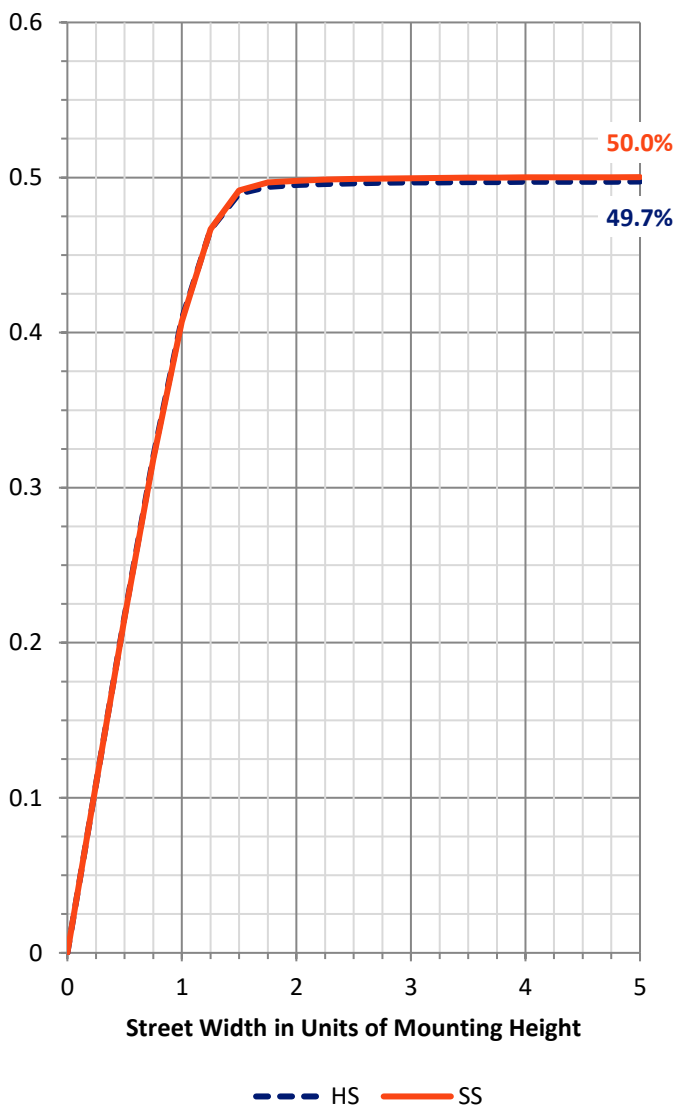
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2499.0	0.0	2499.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2499.0	0.0	2499.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4998.1	0.0	4998.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.4
10°-20°	237.6	4.8
20°-30°	485.3	9.7
30°-40°	925.4	18.5
40°-50°	1559.4	31.2
50°-60°	1487.2	29.8
60°-70°	207.6	4.2
70°-80°	19.8	0.4
80°-90°	6.9	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°	4998.1	100.0
0°-180°	4998.1	100.0

Coefficient of Utilization



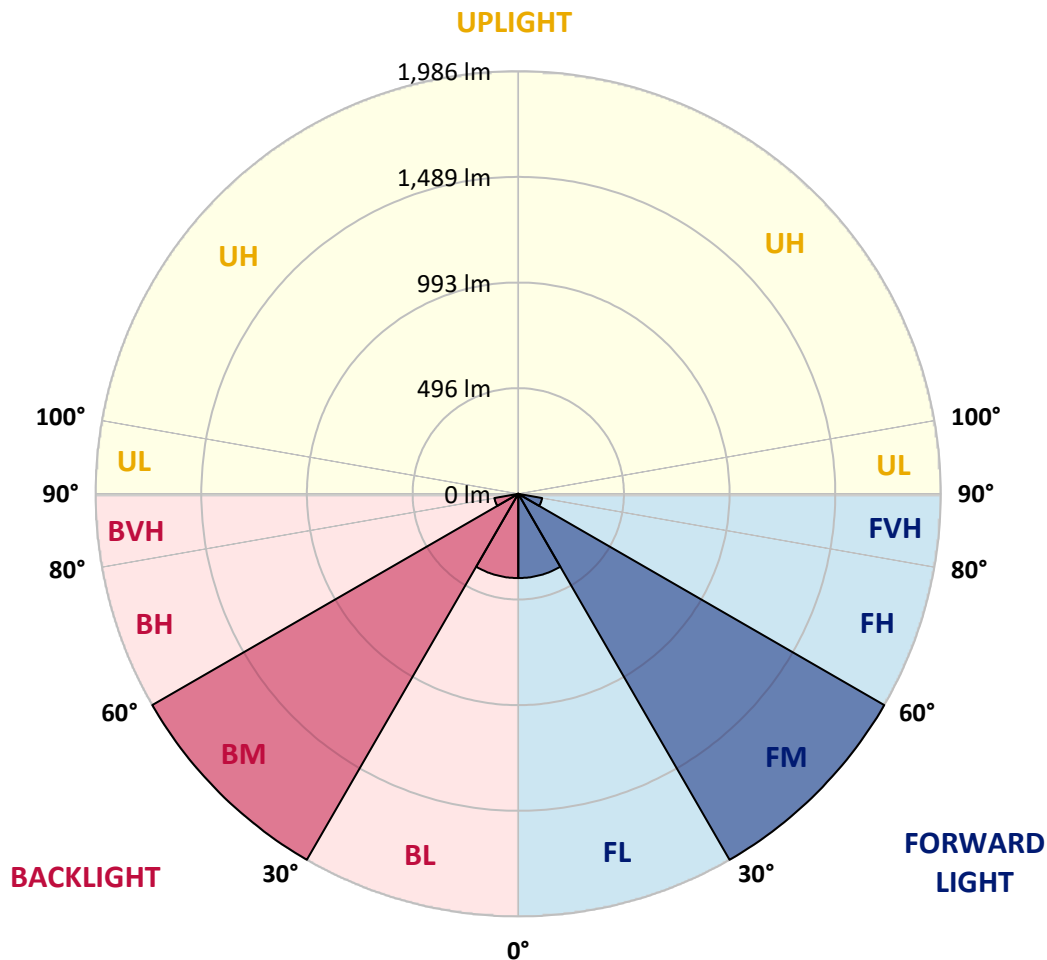
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.9	7.9			
FM (30°-60°)	1986.0	39.7			
FH (60°-80°)	113.7	2.3			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	395.9	7.9	B1/500		
BM (30°-60°)	1986.0	39.7	B2/2500		
BH (60°-80°)	113.7	2.3	B1/500		G0/660
BVH (80°-90°)	3.4	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°	692.9	692.9	692.9	692.9	692.9	692.9	692.9	692.9	692.9	692.9	692.9
2.5°	690.4	690.4	689.5	696.3	692.9	700.5	699.6	702.2	704.7	703.8	710.6
5°	684.5	683.6	683.6	691.2	698.8	707.2	714.8	719.8	728.2	728.2	736.6
7.5°	690.4	686.2	692.1	695.4	709.7	724.0	736.6	746.7	766.1	772.8	770.3
10°	692.1	697.1	701.3	711.4	729.1	750.9	761.9	787.1	809.0	824.1	827.5
12.5°	703.0	710.6	722.3	746.7	762.7	791.3	806.4	830.8	861.1	877.9	889.7
15°	724.0	726.5	741.7	772.8	807.3	833.3	856.9	874.6	904.0	923.3	924.2
17.5°	750.9	761.9	782.9	812.3	848.5	887.2	905.7	925.0	935.9	962.0	967.9
20°	804.8	806.4	826.6	865.3	910.7	946.0	959.5	969.6	965.4	992.3	997.3
22.5°	855.2	856.9	882.1	934.3	983.0	1013.3	1019.2	1013.3	1000.7	1020.0	1021.7
25°	906.5	921.7	940.2	992.3	1052.8	1093.2	1094.1	1078.1	1052.0	1055.4	1063.8
27.5°	986.4	997.3	1016.7	1064.6	1131.1	1176.5	1168.9	1149.6	1115.9	1118.4	1115.9
30°	1079.8	1089.9	1105.8	1167.2	1216.0	1265.6	1276.6	1258.1	1207.6	1196.7	1209.3
32.5°	1192.5	1206.8	1236.2	1292.5	1333.7	1364.0	1371.6	1364.9	1317.8	1313.6	1322.0
35°	1329.5	1348.9	1375.8	1425.4	1459.1	1513.7	1513.7	1491.0	1448.1	1453.2	1452.3
37.5°	1474.2	1502.8	1544.7	1595.2	1640.6	1670.1	1660.8	1641.5	1598.6	1587.6	1598.6
40°	1655.8	1670.1	1723.0	1788.6	1844.1	1877.8	1838.3	1796.2	1693.6	1709.6	1739.0
42.5°	1821.4	1844.1	1884.5	1956.8	2019.9	2047.7	2000.6	1917.3	1793.7	1781.1	1802.9
45°	1962.7	1987.1	2040.1	2143.5	2210.0	2234.4	2130.1	1995.5	1854.2	1822.3	1831.5
47.5°	2056.9	2069.5	2143.5	2241.9	2302.5	2358.0	2208.3	2049.3	1882.8	1822.3	1818.9
50°	2020.8	2042.6	2129.2	2241.1	2351.3	2390.8	2247.8	2090.6	1892.1	1814.7	1804.6
52.5°	1794.5	1832.4	1929.1	2079.6	2246.1	2387.4	2302.5	2077.1	1888.7	1822.3	1837.4
55°	1248.8	1249.6	1367.4	1589.3	1883.7	2216.7	2222.6	2092.2	1910.6	1869.4	1870.2
57.5°	502.1	527.2	617.2	840.1	1111.7	1522.0	1809.7	1940.9	1913.1	1903.0	1929.1
60°	127.0	127.8	155.6	237.2	391.1	652.5	947.7	1282.4	1476.7	1543.1	1552.3
62.5°	64.8	65.6	72.3	84.1	106.8	174.9	311.2	493.7	702.2	808.1	835.9
65°	53.0	53.0	57.2	63.1	63.9	67.3	80.7	115.2	167.4	190.1	192.6
67.5°	40.4	40.4	43.7	47.1	48.8	47.9	46.3	47.9	58.0	55.5	53.8
70°	25.2	26.1	27.8	31.1	32.8	33.6	34.5	36.2	41.2	42.9	41.2
72.5°	15.1	15.1	16.0	18.5	21.0	22.7	25.2	26.9	29.4	33.6	32.8
75°	6.7	6.7	8.4	10.9	13.5	16.0	18.5	21.0	22.7	25.2	26.1
77.5°	1.7	2.5	4.2	7.6	10.1	13.5	16.8	19.3	21.0	21.0	20.2
80°	0.8	0.8	3.4	5.9	10.9	14.3	18.5	20.2	22.7	21.0	18.5
82.5°	0.8	0.8	3.4	5.9	10.1	14.3	19.3	21.9	23.5	21.0	17.7
85°	0.0	0.8	2.5	5.0	8.4	10.1	8.4	5.9	3.4	3.4	2.5
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)