

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: P651778

Luminaire Tested: **GALN-SA3A-840-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11845.5 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

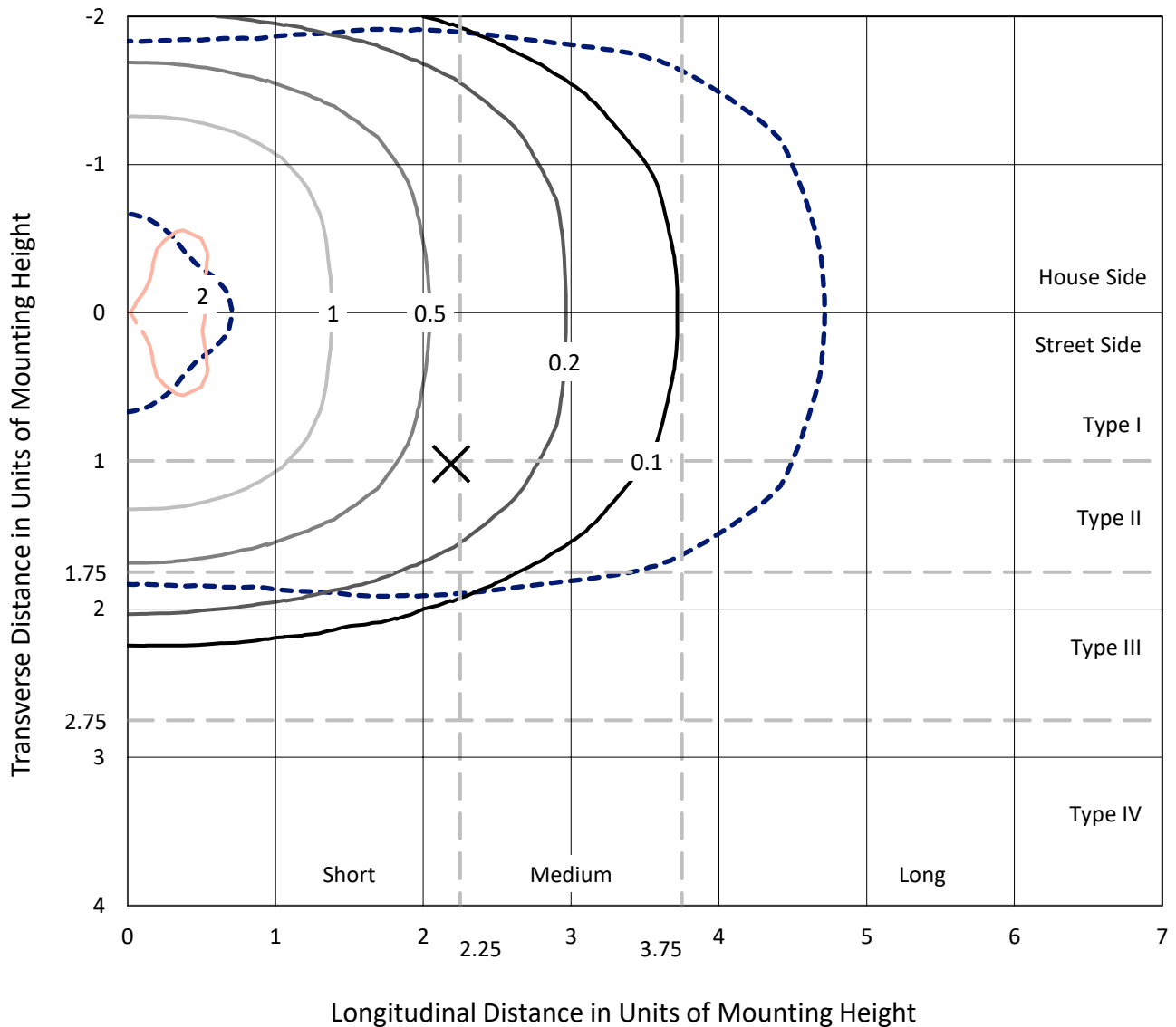
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

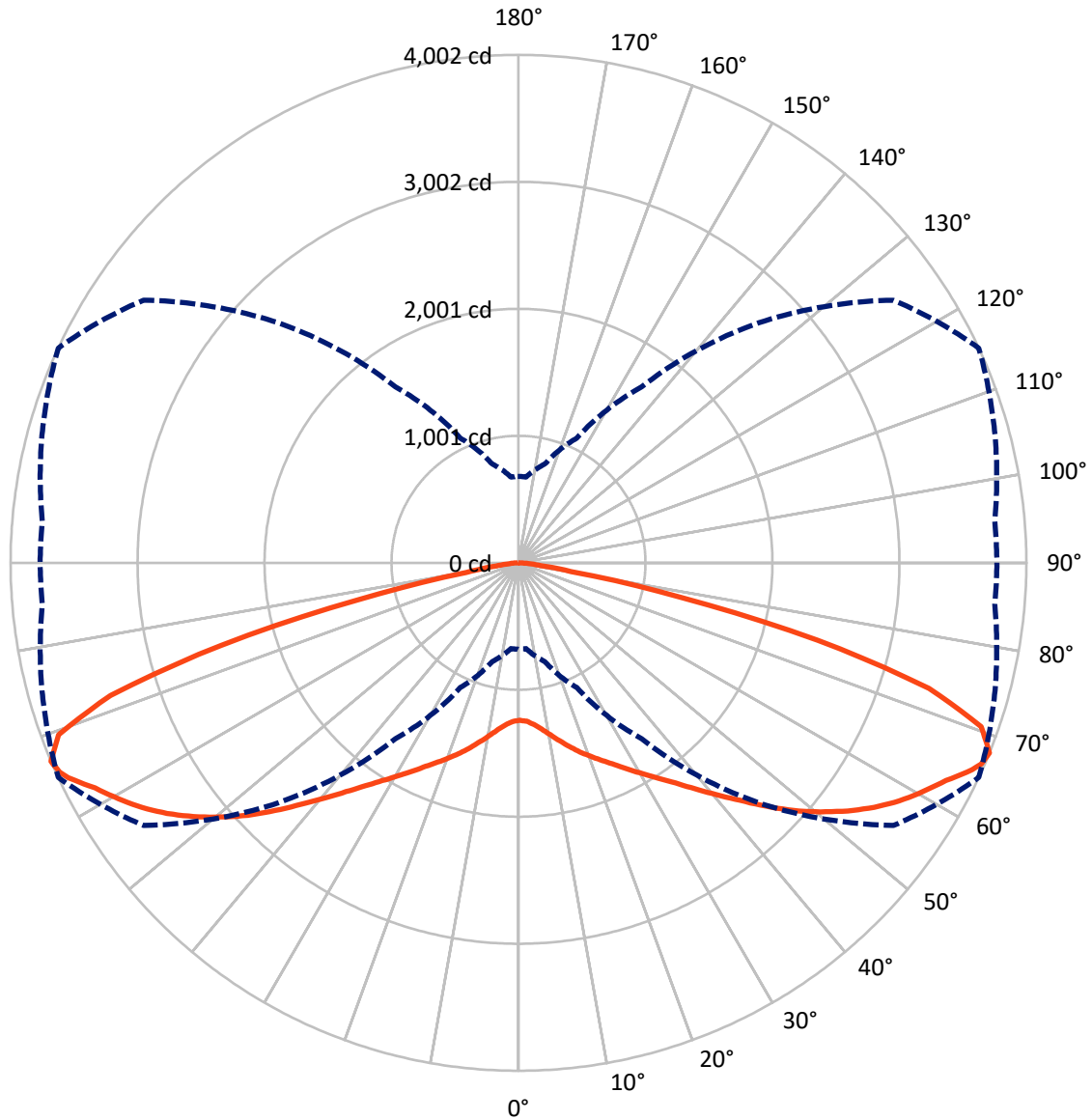
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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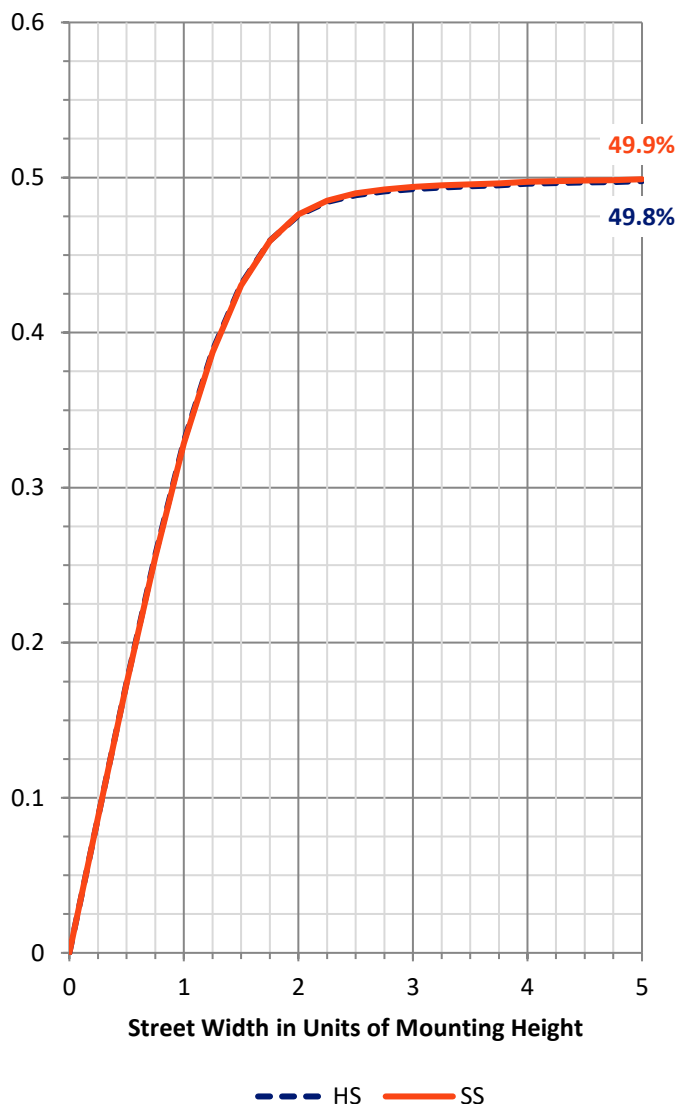
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5922.7	0.0	5922.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5922.7	0.0	5922.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11845.5	0.0	11845.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	1.0
10°-20°	409.6	3.5
20°-30°	801.1	6.8
30°-40°	1362.6	11.5
40°-50°	2156.6	18.2
50°-60°	2859.6	24.1
60°-70°	2697.5	22.8
70°-80°	1333.5	11.3
80°-90°	102.8	0.9
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°	11845.5	100.0
0°-180°	11845.5	100.0

Coefficient of Utilization

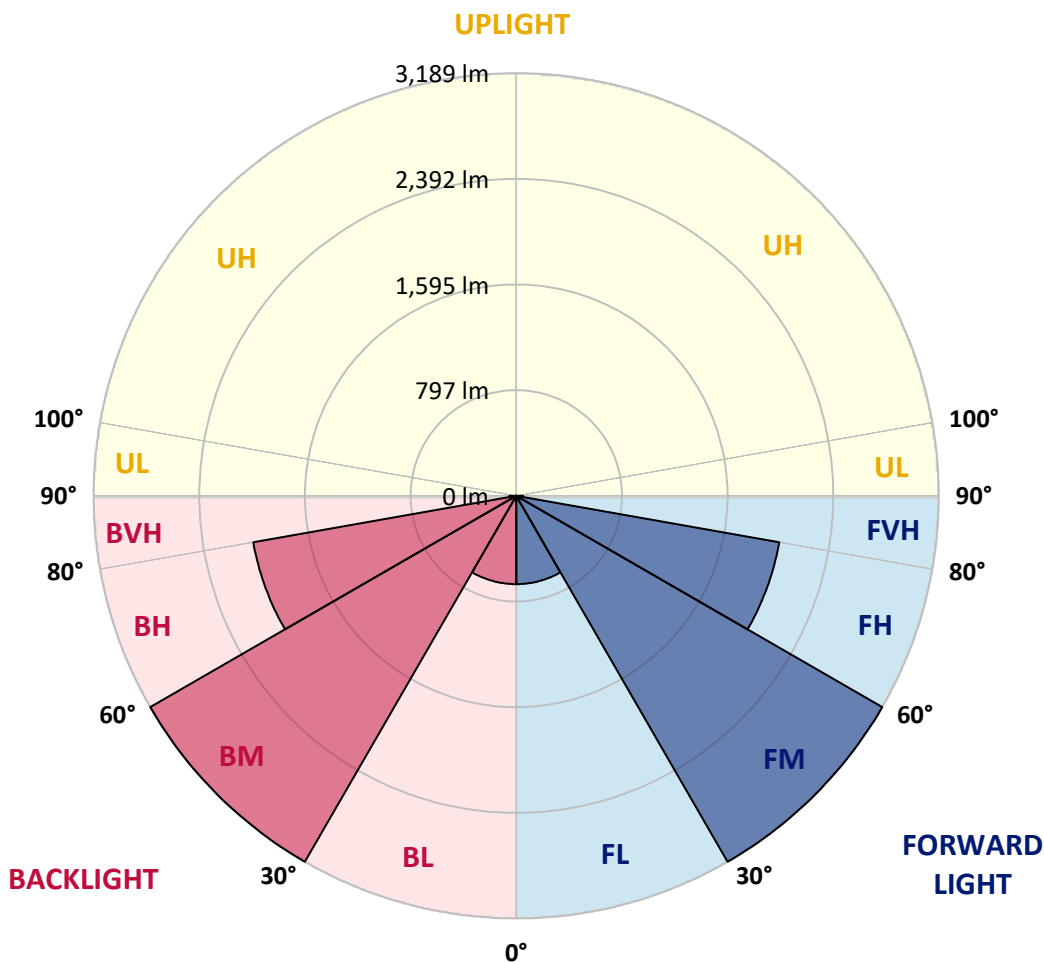


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.5	5.6			
FM (30°-60°)	3189.4	26.9			
FH (60°-80°)	2015.5	17.0			G2/5000
FVH (80°-90°)	51.4	0.4			G1/100
BL (0°-30°)	666.5	5.6	B2/1000		
BM (30°-60°)	3189.4	26.9	B3/5000		
BH (60°-80°)	2015.5	17.0	B3/2500		G3/2500
BVH (80°-90°)	51.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7
2.5°	1234.3	1235.6	1236.9	1238.8	1241.3	1245.2	1247.7	1249.6	1254.7	1255.3	1254.7
5°	1230.0	1231.2	1234.3	1240.1	1248.3	1259.7	1268.6	1279.4	1287.7	1293.4	1292.1
7.5°	1229.3	1231.8	1236.9	1249.0	1264.9	1284.5	1304.8	1323.2	1339.0	1351.7	1349.9
10°	1239.5	1242.6	1250.9	1268.6	1293.4	1322.0	1350.5	1377.8	1400.6	1417.2	1422.9
12.5°	1256.5	1259.1	1274.4	1301.0	1336.5	1372.1	1404.5	1438.1	1469.8	1497.7	1497.7
15°	1286.4	1290.9	1309.9	1348.6	1392.4	1433.7	1466.6	1502.2	1536.4	1568.2	1577.7
17.5°	1327.7	1334.0	1362.6	1412.0	1467.9	1506.0	1537.1	1566.3	1596.1	1626.6	1631.0
20°	1384.1	1390.5	1428.5	1488.2	1554.3	1599.9	1620.9	1627.8	1642.5	1671.7	1675.4
22.5°	1460.9	1467.3	1509.8	1577.0	1650.7	1700.2	1709.1	1692.6	1688.7	1711.6	1714.1
25°	1547.9	1553.6	1602.4	1674.8	1751.0	1804.9	1802.3	1761.7	1738.9	1752.9	1756.7
27.5°	1645.6	1653.8	1703.4	1778.2	1860.7	1908.3	1900.7	1841.7	1792.8	1790.3	1791.6
30°	1770.6	1779.6	1826.5	1898.2	1979.5	2023.2	2007.4	1928.0	1852.5	1827.1	1827.1
32.5°	1902.6	1924.9	1972.5	2047.3	2110.8	2142.5	2118.4	2023.2	1922.9	1887.4	1885.5
35°	2074.6	2086.7	2133.6	2206.6	2254.2	2278.9	2232.6	2130.5	2015.0	1973.1	1967.4
37.5°	2242.8	2253.0	2307.5	2377.3	2435.1	2433.9	2371.0	2258.0	2129.2	2082.2	2078.4
40°	2414.8	2425.6	2487.8	2551.8	2609.6	2604.6	2528.4	2402.1	2265.0	2212.3	2222.5
42.5°	2564.0	2576.0	2646.5	2737.8	2789.8	2788.6	2700.4	2558.2	2415.4	2368.4	2377.3
45°	2699.7	2710.5	2792.4	2897.1	2973.3	2982.8	2886.3	2735.9	2589.3	2529.1	2531.6
47.5°	2795.6	2815.8	2901.5	3021.5	3124.9	3158.5	3064.0	2916.8	2748.0	2685.1	2688.9
50°	2868.6	2881.3	2974.5	3110.9	3241.7	3311.5	3235.3	3084.3	2906.7	2840.0	2848.9
52.5°	2877.4	2892.7	2994.2	3151.6	3319.2	3425.1	3387.7	3248.0	3068.5	2999.9	3018.9
55°	2805.1	2814.0	2935.2	3126.2	3349.6	3509.5	3519.1	3400.3	3222.7	3170.7	3183.4
57.5°	2598.9	2621.6	2775.2	3007.5	3307.7	3554.6	3617.4	3538.8	3378.8	3327.4	3347.7
60°	2260.6	2283.4	2437.6	2732.1	3149.7	3533.6	3698.6	3661.2	3520.3	3479.0	3489.8
62.5°	1771.2	1769.4	1960.4	2321.5	2835.5	3430.9	3758.9	3779.3	3659.9	3607.9	3624.4
65°	1148.0	1153.8	1338.5	1727.5	2361.4	3169.4	3772.3	3929.7	3797.0	3718.3	3730.3
66°	923.4	940.5	1097.3	1455.9	2119.7	2998.0	3732.3	3974.1	3838.9	3743.7	3749.4
67.5°	681.6	678.4	807.3	1084.0	1692.6	2672.4	3607.3	4002.0	3886.5	3766.6	3769.1
70°	389.0	388.4	434.1	595.3	995.1	1881.7	3040.6	3868.1	3983.0	3849.1	3842.1
72.5°	284.3	282.4	288.8	328.7	485.5	950.1	2097.5	3380.7	3933.4	3835.7	3816.0
75°	238.6	237.3	236.1	241.2	272.2	430.3	1113.1	2431.9	3413.0	3600.3	3580.0
77.5°	194.9	194.9	195.4	194.2	195.4	226.6	461.4	1303.6	2078.4	2320.2	2376.7
80°	152.3	151.7	162.5	158.0	147.8	145.3	204.4	419.5	689.9	686.0	566.1
82.5°	112.4	104.7	123.8	120.6	109.2	92.7	119.3	179.0	230.3	149.8	111.1
85°	71.1	70.5	87.5	80.0	66.6	43.8	57.1	76.8	95.2	57.8	46.9
87.5°	12.7	12.0	27.9	20.3	20.3	12.7	15.9	20.9	31.1	21.6	15.9
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)