

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: P527969

Luminaire Tested: **GALN-SA3A-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527969
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-SA3A-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 8219 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

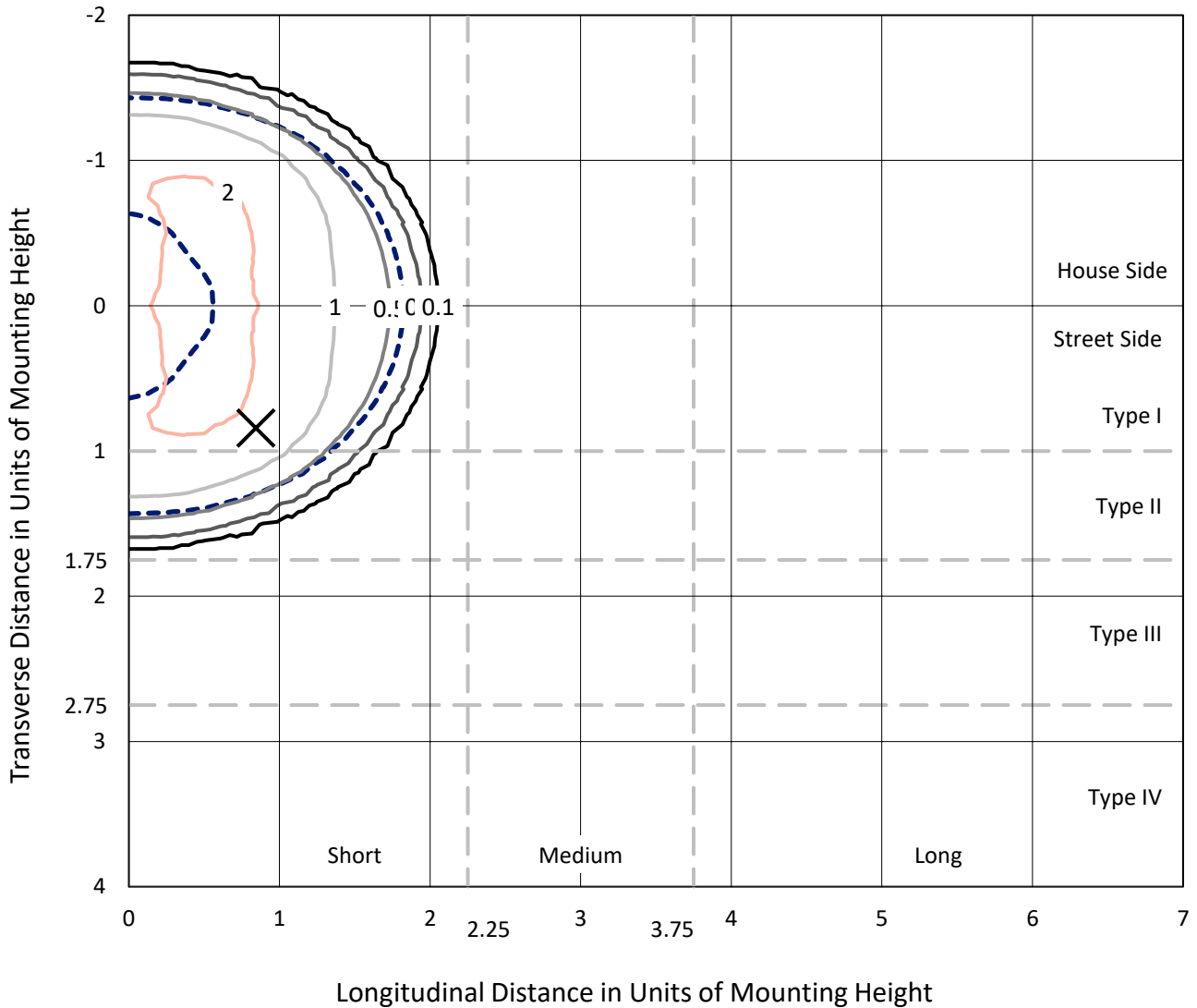
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

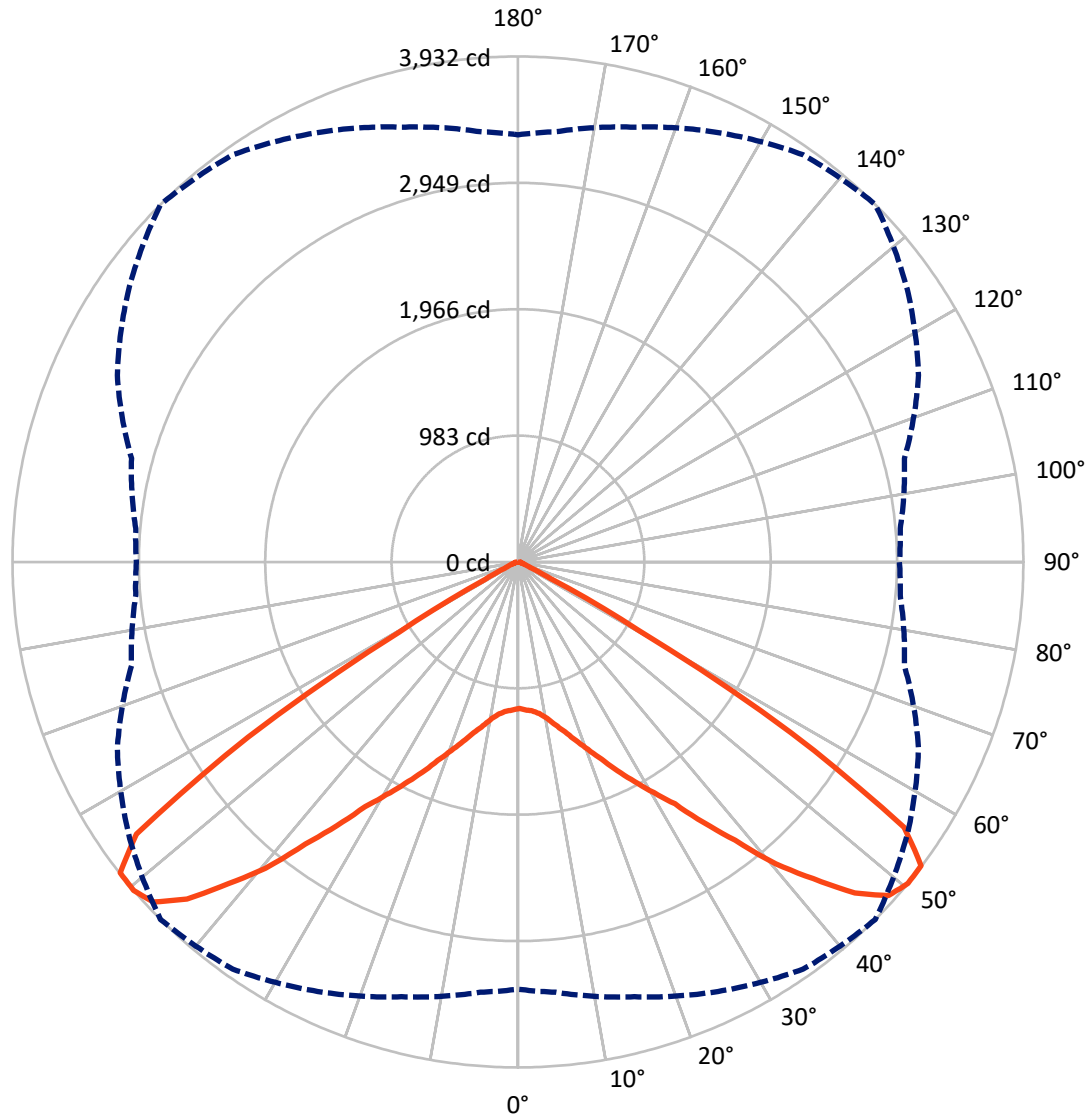
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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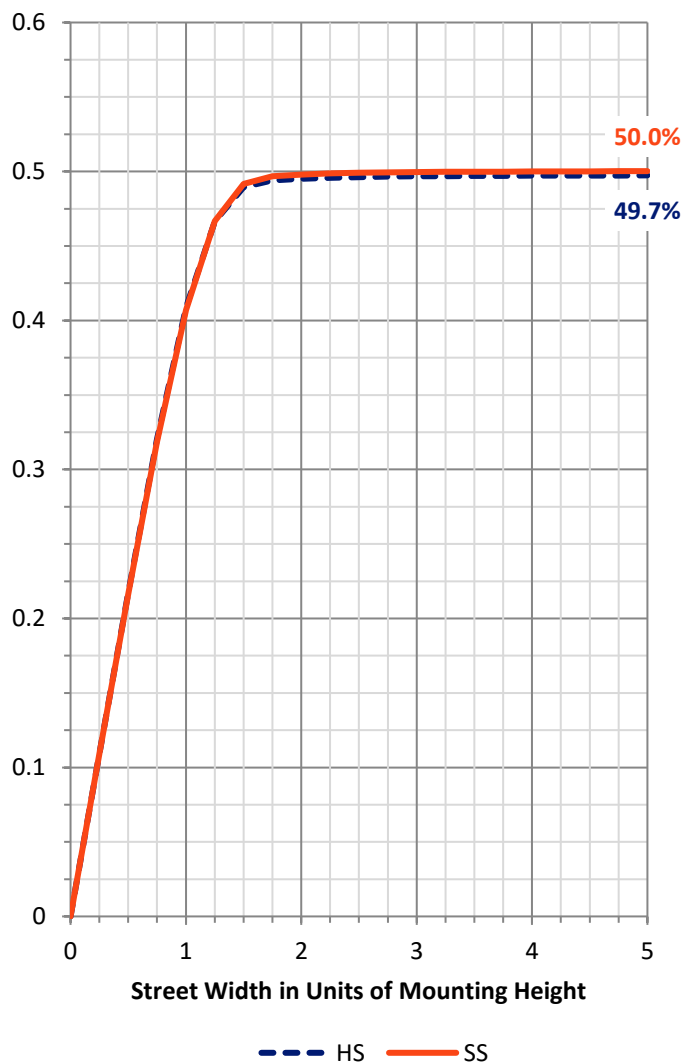
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4109.5	0.0	4109.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4109.5	0.0	4109.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8219.0	0.0	8219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	1.4
10°-20°	390.7	4.8
20°-30°	798.0	9.7
30°-40°	1521.7	18.5
40°-50°	2564.3	31.2
50°-60°	2445.6	29.8
60°-70°	341.4	4.2
70°-80°	32.7	0.4
80°-90°	11.3	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°	8219.0	100.0
0°-180°	8219.0	100.0

Coefficient of Utilization



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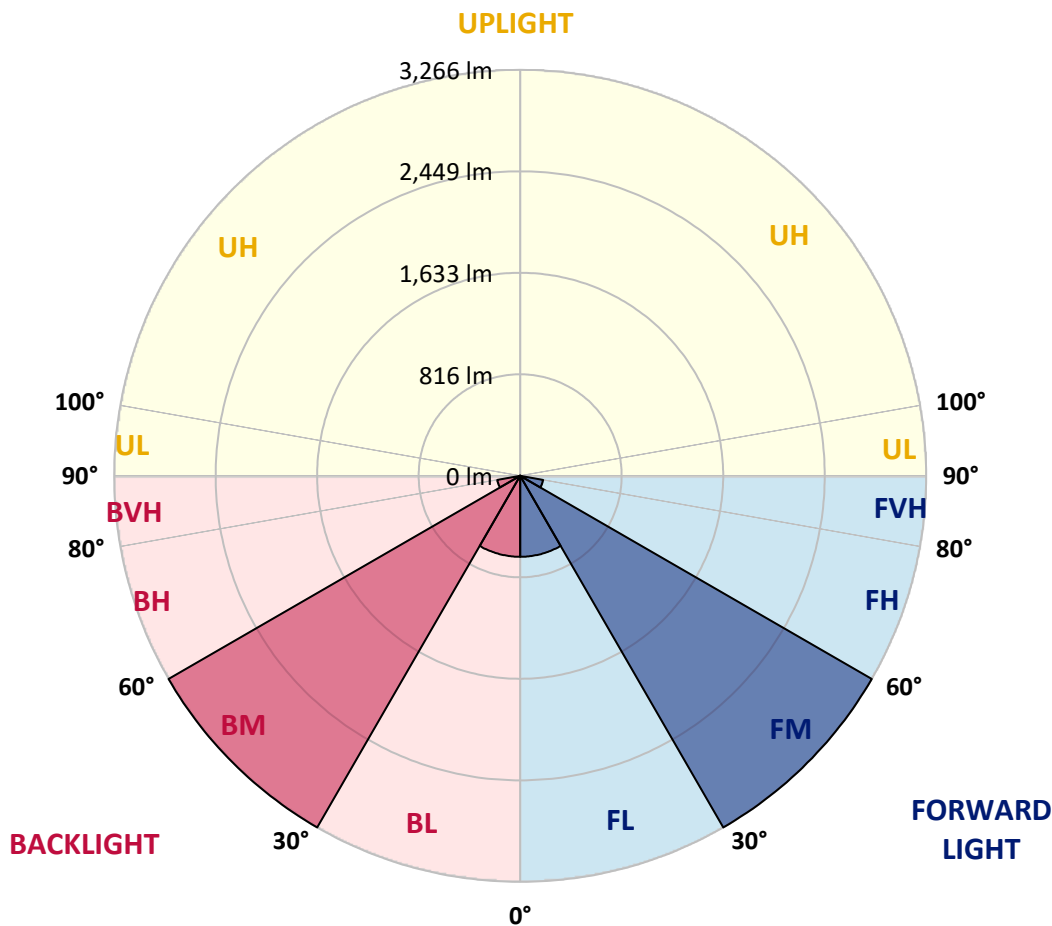
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.0	7.9			
FM (30°-60°)	3265.8	39.7			
FH (60°-80°)	187.0	2.3			G0/660
FVH (80°-90°)	5.6	0.1			G0/10
BL (0°-30°)	651.0	7.9	B2/1000		
BM (30°-60°)	3265.8	39.7	B3/5000		
BH (60°-80°)	187.0	2.3	B1/500		G0/660
BVH (80°-90°)	5.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1139.5	1139.5	1139.5	1139.5	1139.5	1139.5	1139.5	1139.5	1139.5	1139.5	1139.5
2.5°	1135.3	1135.3	1133.9	1145.0	1139.5	1151.9	1150.5	1154.7	1158.8	1157.5	1168.5
5°	1125.6	1124.3	1124.3	1136.7	1149.2	1163.0	1175.4	1183.7	1197.6	1197.6	1211.4
7.5°	1135.3	1128.4	1138.1	1143.6	1167.1	1190.6	1211.4	1228.0	1259.8	1270.8	1266.7
10°	1138.1	1146.4	1153.3	1169.9	1198.9	1234.9	1252.9	1294.4	1330.3	1355.2	1360.7
12.5°	1156.1	1168.5	1187.9	1228.0	1254.3	1301.3	1326.2	1366.3	1416.0	1443.7	1463.1
15°	1190.6	1194.8	1219.7	1270.8	1327.5	1370.4	1409.1	1438.2	1486.6	1518.4	1519.8
17.5°	1234.9	1252.9	1287.4	1335.8	1395.3	1458.9	1489.3	1521.1	1539.1	1582.0	1591.7
20°	1323.4	1326.2	1359.3	1423.0	1497.6	1555.7	1577.8	1594.4	1587.5	1631.8	1640.1
22.5°	1406.4	1409.1	1450.6	1536.4	1616.6	1666.3	1676.0	1666.3	1645.6	1677.4	1680.2
25°	1490.7	1515.6	1546.0	1631.8	1731.3	1797.7	1799.1	1772.8	1730.0	1735.5	1749.3
27.5°	1622.1	1640.1	1671.9	1750.7	1859.9	1934.6	1922.2	1890.4	1835.1	1839.2	1835.1
30°	1775.6	1792.2	1818.5	1919.4	1999.6	2081.2	2099.2	2068.8	1985.8	1967.8	1988.5
32.5°	1960.9	1984.4	2032.8	2125.5	2193.2	2243.0	2255.4	2244.4	2166.9	2160.0	2173.9
35°	2186.3	2218.1	2262.4	2343.9	2399.3	2489.1	2489.1	2451.8	2381.3	2389.6	2388.2
37.5°	2424.1	2471.2	2540.3	2623.3	2698.0	2746.4	2731.1	2699.3	2628.8	2610.8	2628.8
40°	2722.8	2746.4	2833.5	2941.3	3032.6	3087.9	3022.9	2953.8	2785.1	2811.3	2859.7
42.5°	2995.3	3032.6	3099.0	3217.9	3321.6	3367.3	3289.8	3152.9	2949.6	2928.9	2964.8
45°	3227.6	3267.7	3354.8	3524.9	3634.1	3674.3	3502.8	3281.5	3049.2	2996.7	3011.9
47.5°	3382.5	3403.2	3524.9	3686.7	3786.3	3877.5	3631.4	3370.0	3096.2	2996.7	2991.1
50°	3323.0	3359.0	3501.4	3685.3	3866.5	3931.5	3696.4	3437.8	3111.4	2984.2	2967.6
52.5°	2951.0	3013.2	3172.3	3419.8	3693.6	3925.9	3786.3	3415.7	3105.9	2996.7	3021.5
55°	2053.5	2054.9	2248.5	2613.6	3097.6	3645.2	3654.9	3440.5	3141.9	3074.1	3075.5
57.5°	825.6	867.1	1015.0	1381.5	1828.1	2503.0	2975.9	3191.6	3146.0	3129.4	3172.3
60°	208.8	210.2	255.8	390.0	643.0	1073.1	1558.5	2108.9	2428.3	2537.5	2552.8
62.5°	106.5	107.9	118.9	138.3	175.6	287.6	511.7	811.7	1154.7	1328.9	1374.6
65°	87.1	87.1	94.0	103.7	105.1	110.6	132.8	189.5	275.2	312.5	316.7
67.5°	66.4	66.4	71.9	77.4	80.2	78.8	76.1	78.8	95.4	91.3	88.5
70°	41.5	42.9	45.6	51.2	53.9	55.3	56.7	59.5	67.8	70.5	67.8
72.5°	24.9	24.9	26.3	30.4	34.6	37.3	41.5	44.3	48.4	55.3	53.9
75°	11.1	11.1	13.8	18.0	22.1	26.3	30.4	34.6	37.3	41.5	42.9
77.5°	2.8	4.1	6.9	12.4	16.6	22.1	27.7	31.8	34.6	34.6	33.2
80°	1.4	1.4	5.5	9.7	18.0	23.5	30.4	33.2	37.3	34.6	30.4
82.5°	1.4	1.4	5.5	9.7	16.6	23.5	31.8	36.0	38.7	34.6	29.0
85°	0.0	1.4	4.1	8.3	13.8	16.6	13.8	9.7	5.5	5.5	4.1
87.5°	0.0	0.0	1.4	1.4	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)