

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: P528203

Luminaire Tested: **GALN-SA3B-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528203
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-SA3B-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA 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: 10226 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

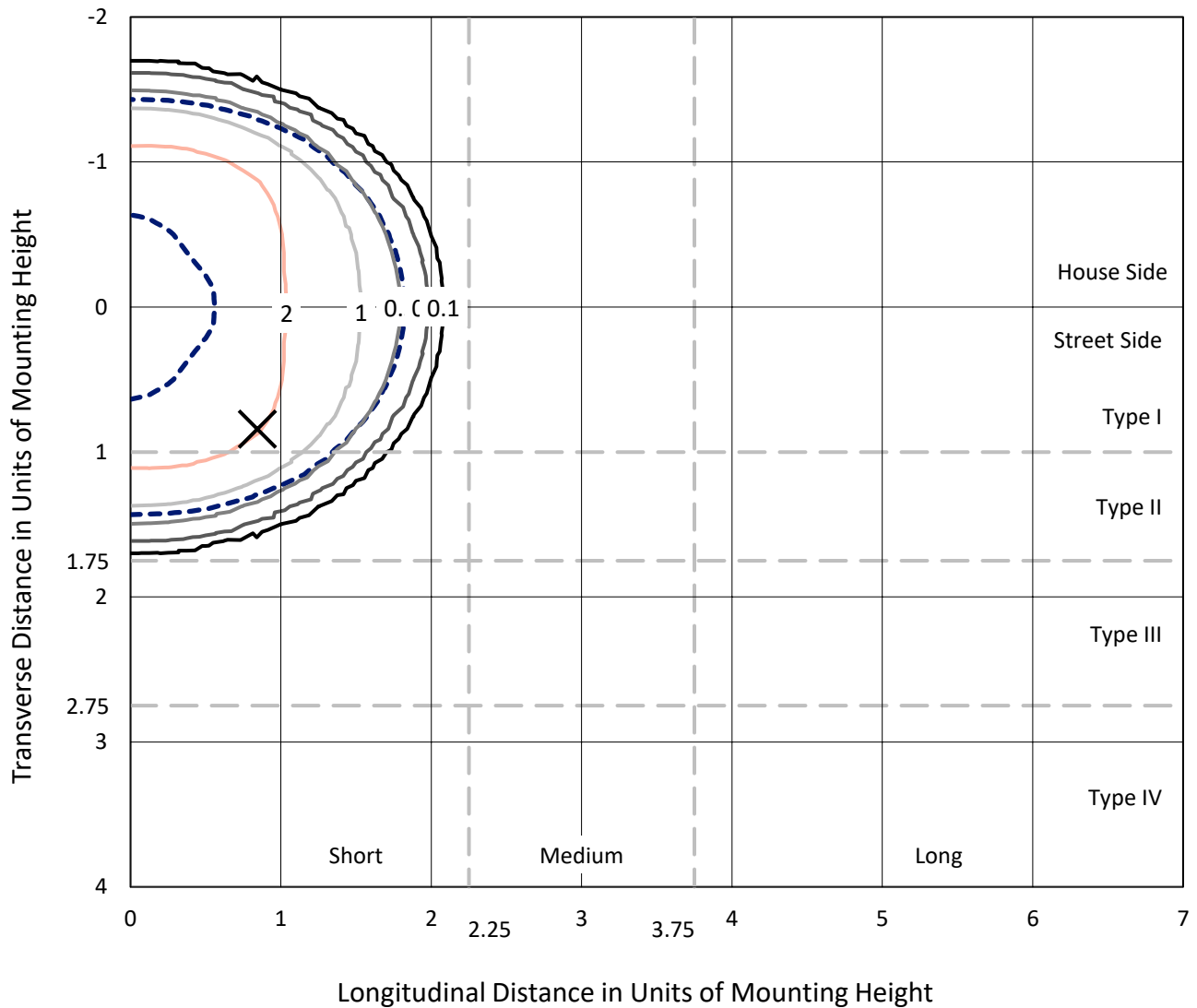
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

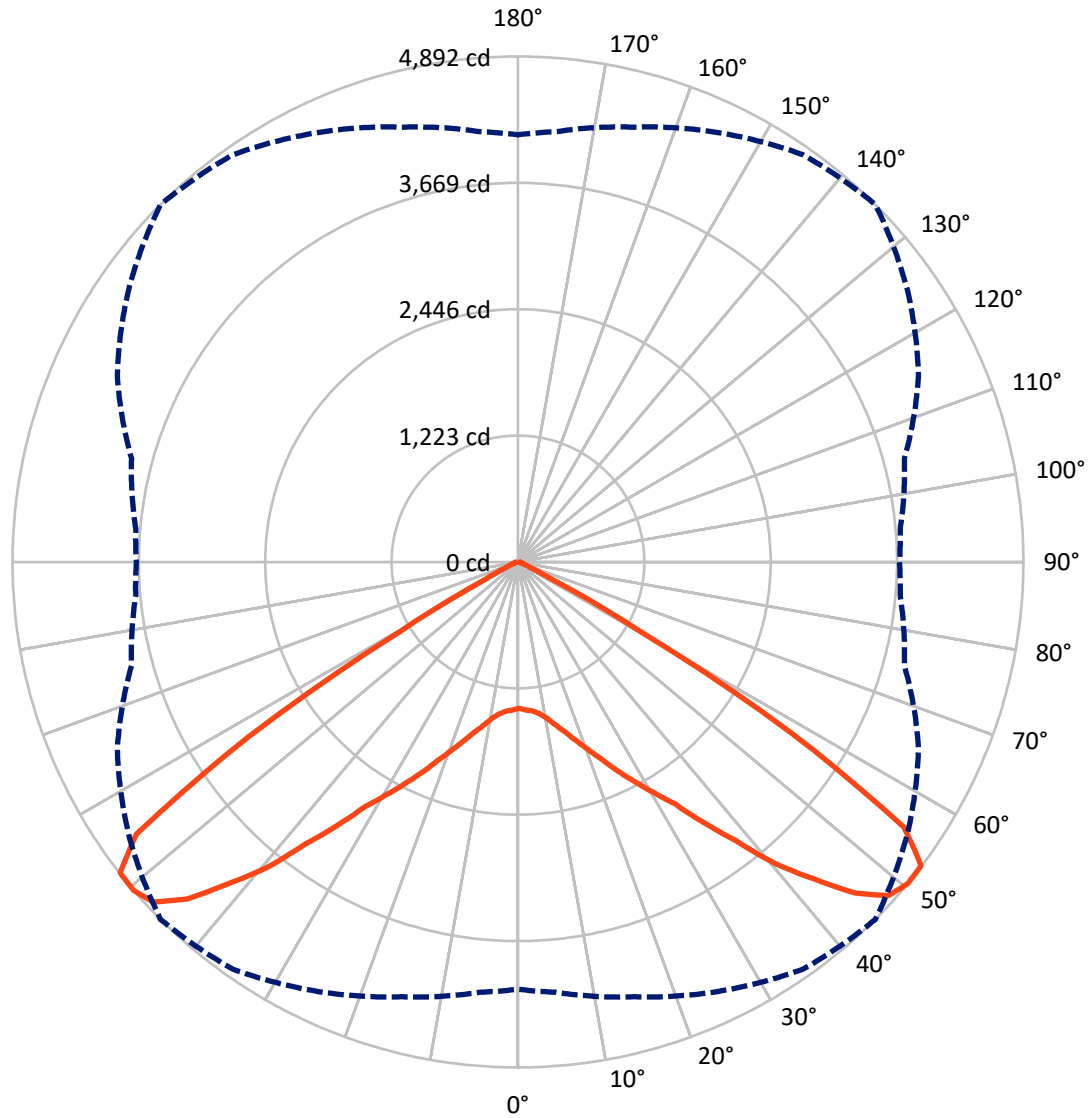
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	5113.0	0.0	5113.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5113.0	0.0	5113.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10226.0	0.0	10226.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	1.4
10°-20°	486.1	4.8
20°-30°	992.8	9.7
30°-40°	1893.3	18.5
40°-50°	3190.5	31.2
50°-60°	3042.7	29.8
60°-70°	424.8	4.2
70°-80°	40.6	0.4
80°-90°	14.0	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°	10226.0	100.0
0°-180°	10226.0	100.0

Coefficient of Utilization



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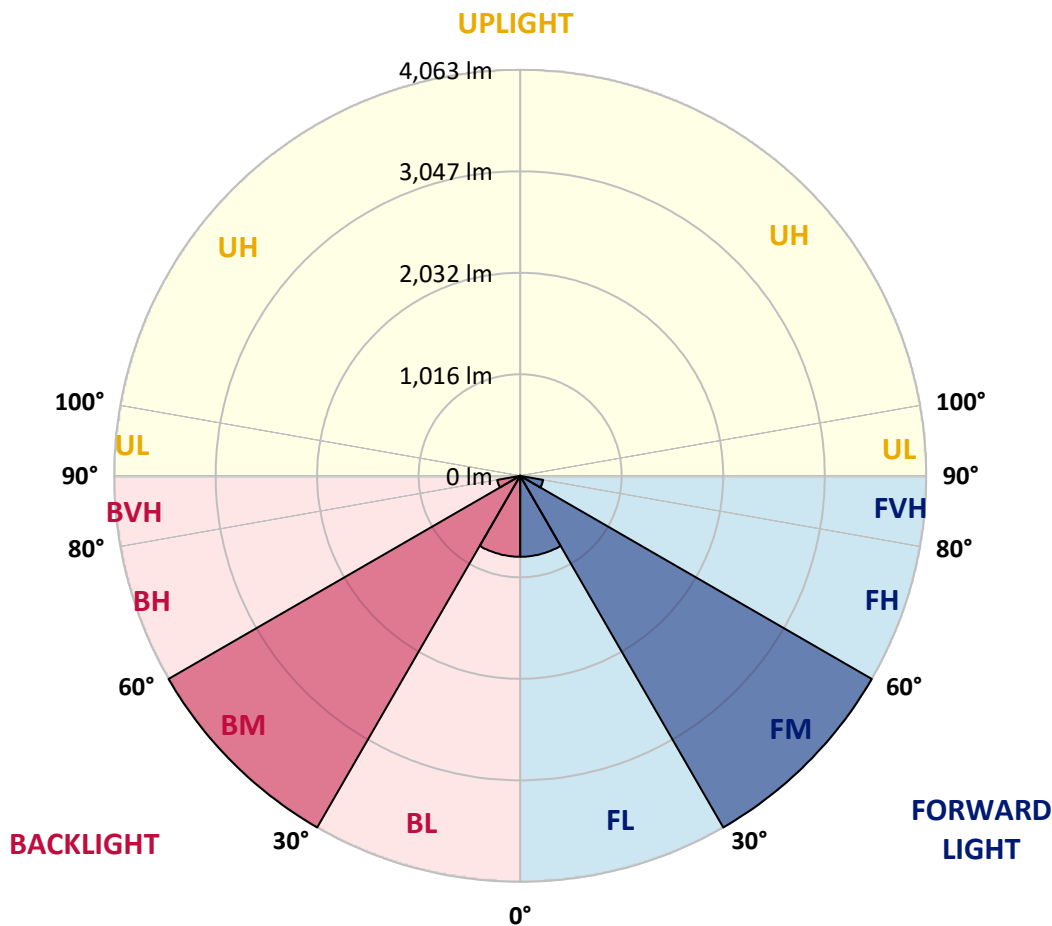
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.0	7.9			
FM (30°-60°)	4063.3	39.7			
FH (60°-80°)	232.7	2.3			G0/660
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	810.0	7.9	B2/1000		
BM (30°-60°)	4063.3	39.7	B3/5000		
BH (60°-80°)	232.7	2.3	B1/500		G0/660
BVH (80°-90°)	7.0	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°	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7
2.5°	1412.6	1412.6	1410.8	1424.6	1417.7	1433.2	1431.5	1436.6	1441.8	1440.1	1453.9
5°	1400.5	1398.8	1398.8	1414.3	1429.8	1447.0	1462.5	1472.8	1490.0	1490.0	1507.2
7.5°	1412.6	1404.0	1416.0	1422.9	1452.1	1481.4	1507.2	1527.8	1567.4	1581.2	1576.0
10°	1416.0	1426.3	1434.9	1455.6	1491.7	1536.4	1558.8	1610.4	1655.2	1686.1	1693.0
12.5°	1438.4	1453.9	1477.9	1527.8	1560.5	1619.0	1650.0	1699.9	1761.8	1796.2	1820.3
15°	1481.4	1486.5	1517.5	1581.2	1651.7	1705.1	1753.2	1789.4	1849.6	1889.1	1890.9
17.5°	1536.4	1558.8	1601.8	1662.0	1736.0	1815.2	1853.0	1892.6	1915.0	1968.3	1980.3
20°	1646.6	1650.0	1691.3	1770.4	1863.3	1935.6	1963.1	1983.8	1975.2	2030.2	2040.6
22.5°	1749.8	1753.2	1804.8	1911.5	2011.3	2073.2	2085.3	2073.2	2047.4	2087.0	2090.5
25°	1854.7	1885.7	1923.6	2030.2	2154.1	2236.7	2238.4	2205.7	2152.4	2159.3	2176.5
27.5°	2018.2	2040.6	2080.1	2178.2	2314.1	2407.0	2391.5	2352.0	2283.2	2288.3	2283.2
30°	2209.2	2229.8	2262.5	2388.1	2487.9	2589.4	2611.8	2573.9	2470.7	2448.3	2474.1
32.5°	2439.7	2469.0	2529.2	2644.5	2728.8	2790.7	2806.2	2792.4	2696.1	2687.5	2704.7
35°	2720.2	2759.7	2814.8	2916.3	2985.1	3097.0	3097.0	3050.5	2962.8	2973.1	2971.4
37.5°	3016.1	3074.6	3160.6	3263.9	3356.8	3417.0	3398.1	3358.5	3270.7	3248.4	3270.7
40°	3387.7	3417.0	3525.4	3659.6	3773.1	3842.0	3761.1	3675.1	3465.2	3497.9	3558.1
42.5°	3726.7	3773.1	3855.7	4003.7	4132.7	4189.5	4093.2	3922.8	3669.9	3644.1	3688.8
45°	4015.7	4065.6	4174.0	4385.6	4521.6	4571.5	4358.1	4082.8	3793.8	3728.4	3747.3
47.5°	4208.4	4234.2	4385.6	4587.0	4710.8	4824.4	4518.1	4192.9	3852.3	3728.4	3721.5
50°	4134.5	4179.2	4356.4	4585.2	4810.6	4891.5	4599.0	4277.3	3871.2	3712.9	3692.3
52.5°	3671.6	3749.0	3946.9	4254.9	4595.6	4884.6	4710.8	4249.7	3864.3	3728.4	3759.4
55°	2555.0	2556.7	2797.6	3251.8	3854.0	4535.3	4547.4	4280.7	3909.1	3824.8	3826.5
57.5°	1027.2	1078.8	1262.9	1718.8	2274.5	3114.2	3702.6	3971.0	3914.2	3893.6	3946.9
60°	259.8	261.5	318.3	485.2	800.0	1335.1	1939.0	2623.8	3021.3	3157.2	3176.1
62.5°	132.5	134.2	148.0	172.1	218.5	357.9	636.6	1010.0	1436.6	1653.4	1710.2
65°	108.4	108.4	117.0	129.0	130.8	137.6	165.2	235.7	342.4	388.8	394.0
67.5°	82.6	82.6	89.5	96.4	99.8	98.1	94.6	98.1	118.7	113.6	110.1
70°	51.6	53.3	56.8	63.7	67.1	68.8	70.5	74.0	84.3	87.7	84.3
72.5°	31.0	31.0	32.7	37.9	43.0	46.5	51.6	55.1	60.2	68.8	67.1
75°	13.8	13.8	17.2	22.4	27.5	32.7	37.9	43.0	46.5	51.6	53.3
77.5°	3.4	5.2	8.6	15.5	20.6	27.5	34.4	39.6	43.0	43.0	41.3
80°	1.7	1.7	6.9	12.0	22.4	29.2	37.9	41.3	46.5	43.0	37.9
82.5°	1.7	1.7	6.9	12.0	20.6	29.2	39.6	44.7	48.2	43.0	36.1
85°	0.0	1.7	5.2	10.3	17.2	20.6	17.2	12.0	6.9	6.9	5.2
87.5°	0.0	0.0	1.7	1.7	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)