

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: P528197

Luminaire Tested: **GALN-SA3B-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10870 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

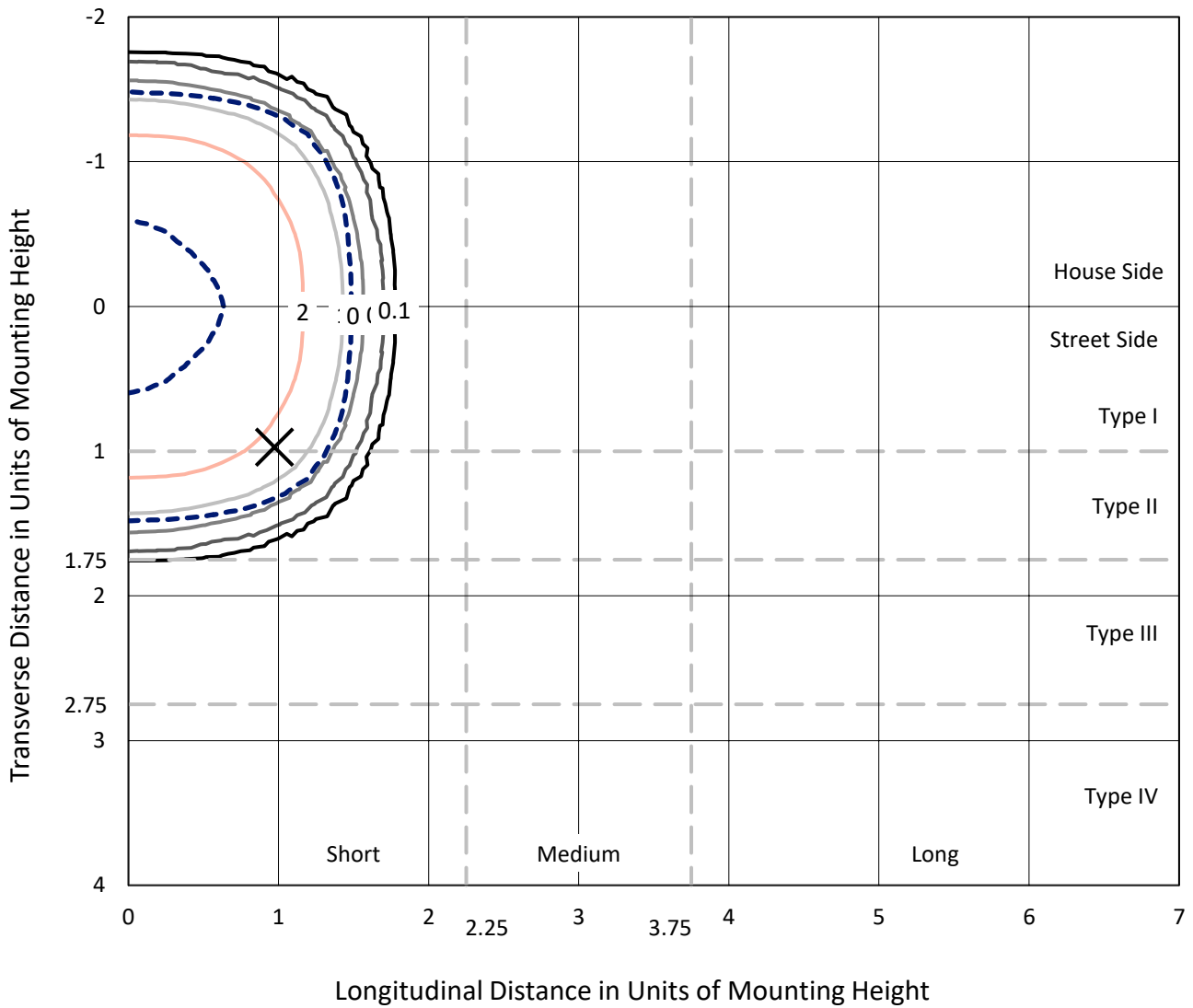
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

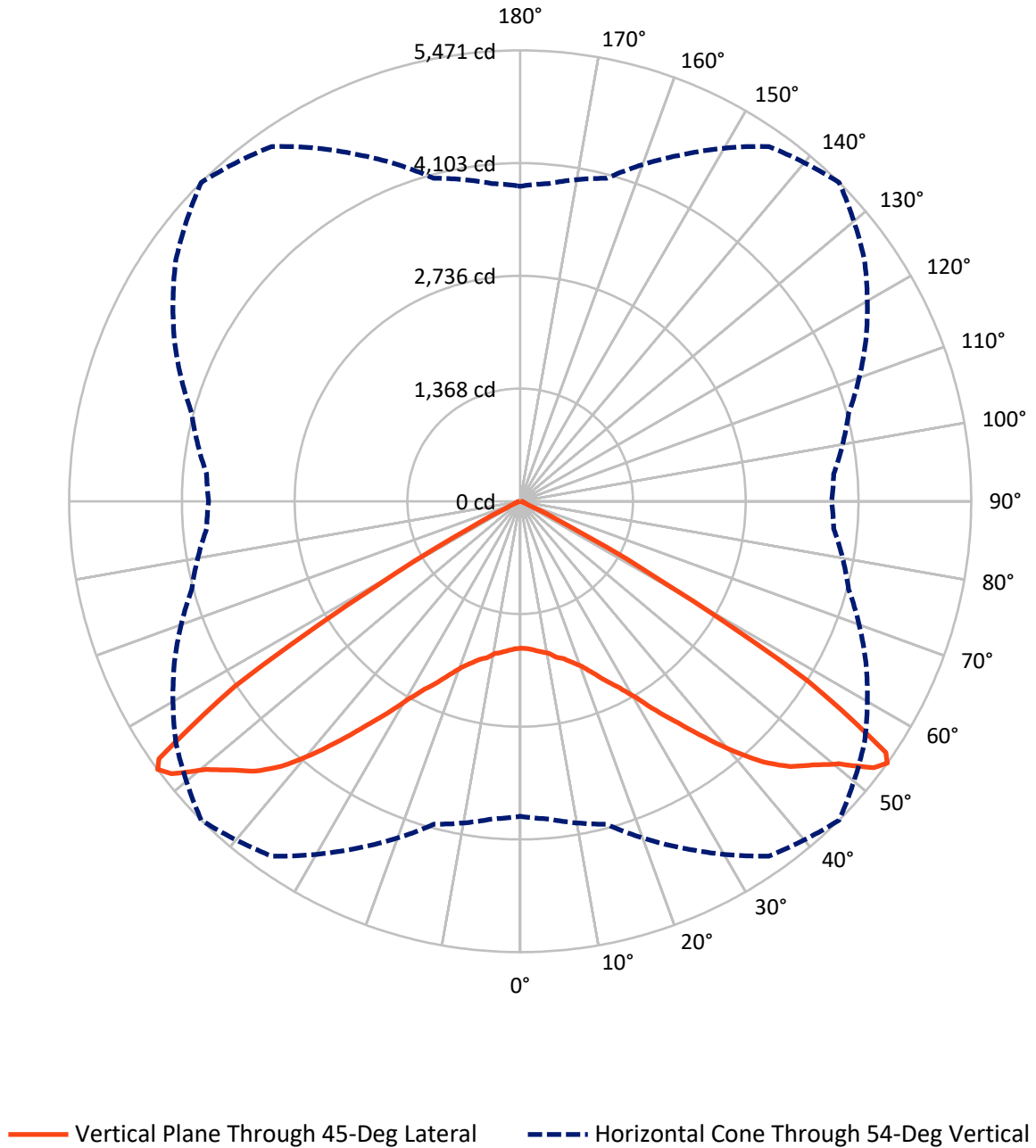
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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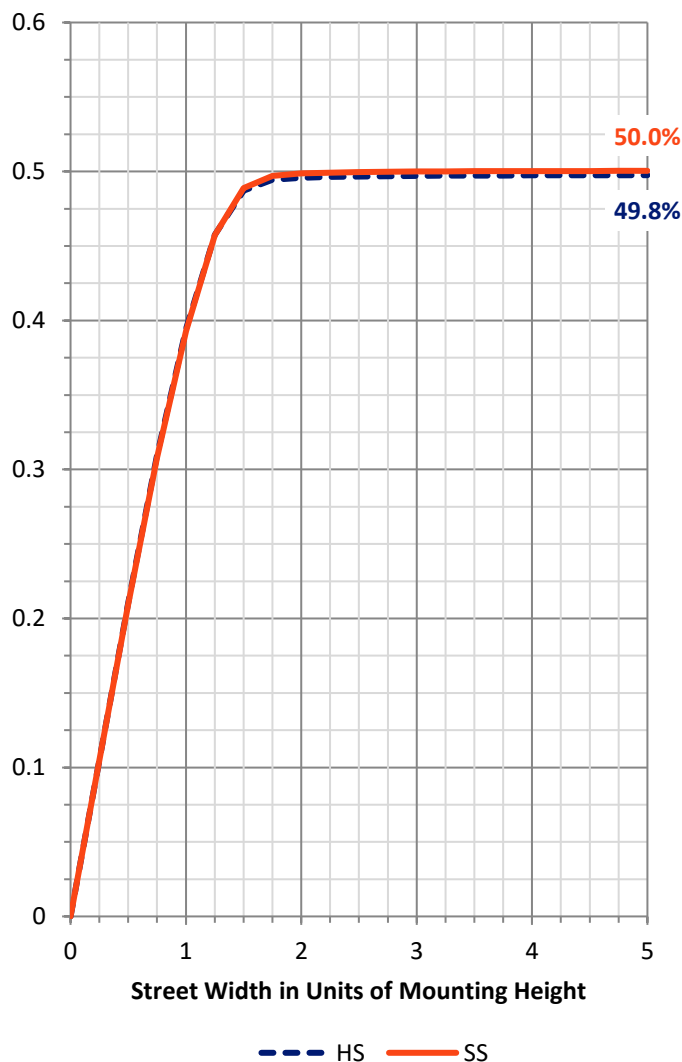
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5435.0	0.0	5435.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5435.0	0.0	5435.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10870.0	0.0	10870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	1.6
10°-20°	564.9	5.2
20°-30°	1107.2	10.2
30°-40°	1991.0	18.3
40°-50°	3408.3	31.4
50°-60°	3297.8	30.3
60°-70°	282.3	2.6
70°-80°	33.5	0.3
80°-90°	10.5	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°	10870.0	100.0
0°-180°	10870.0	100.0

Coefficient of Utilization



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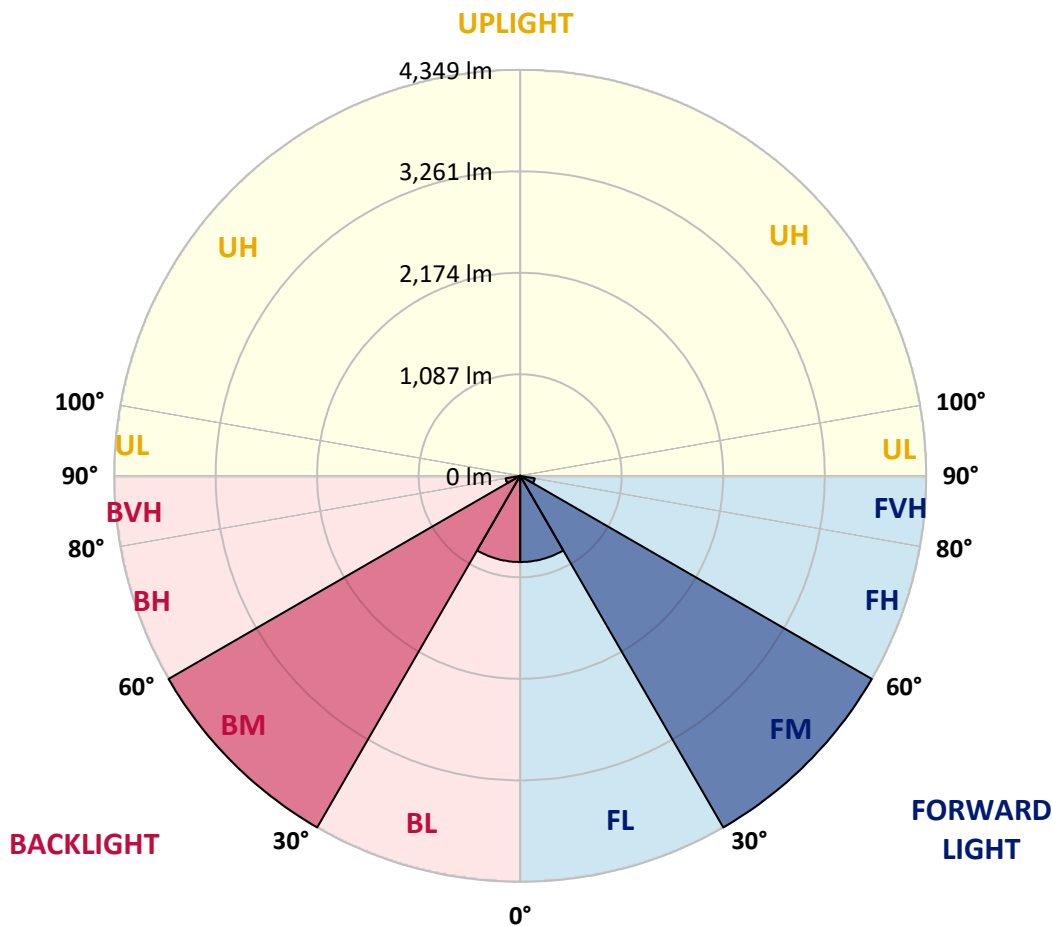
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	923.3	8.5			
FM (30°-60°)	4348.6	40.0			
FH (60°-80°)	157.9	1.5			G0/660
FVH (80°-90°)	5.2	0.0			G0/10
BL (0°-30°)	923.3	8.5	B2/1000		
BM (30°-60°)	4348.6	40.0	B3/5000		
BH (60°-80°)	157.9	1.5	B1/500		G0/660
BVH (80°-90°)	5.2	0.0			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°	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3
2.5°	1791.0	1801.3	1794.4	1799.6	1799.6	1791.0	1796.1	1775.5	1789.2	1778.9	1780.6
5°	1818.5	1816.8	1816.8	1818.5	1811.6	1815.1	1808.2	1801.3	1796.1	1789.2	1809.9
7.5°	1852.9	1852.9	1840.9	1844.3	1840.9	1846.1	1832.3	1818.5	1813.3	1808.2	1804.7
10°	1885.7	1882.2	1877.1	1892.6	1880.5	1873.6	1866.7	1858.1	1839.2	1832.3	1825.4
12.5°	1933.9	1932.2	1925.3	1940.8	1933.9	1940.8	1914.9	1892.6	1889.1	1866.7	1878.8
15°	1990.7	2006.2	1994.2	1994.2	1990.7	1982.1	1971.8	1961.4	1930.4	1921.8	1923.6
17.5°	2064.8	2059.6	2061.3	2061.3	2078.5	2056.2	2035.5	2009.7	1994.2	1989.0	1971.8
20°	2135.4	2142.3	2140.5	2152.6	2162.9	2138.8	2116.4	2113.0	2069.9	2076.8	2052.7
22.5°	2259.4	2254.2	2262.8	2271.4	2264.5	2261.1	2240.4	2214.6	2176.7	2159.5	2156.0
25°	2390.2	2381.6	2366.1	2386.8	2397.1	2412.6	2373.0	2359.2	2300.7	2274.9	2276.6
27.5°	2502.2	2514.2	2531.4	2540.1	2565.9	2560.7	2533.2	2488.4	2443.6	2414.3	2395.4
30°	2655.4	2662.3	2691.6	2703.6	2748.4	2760.5	2717.4	2665.8	2586.5	2548.7	2526.3
32.5°	2796.6	2844.9	2843.1	2903.4	2975.7	3025.7	2948.2	2869.0	2789.8	2745.0	2705.4
35°	3025.7	3017.1	3067.0	3130.7	3247.8	3304.7	3220.3	3129.0	3008.5	2936.1	2905.1
37.5°	3239.2	3242.7	3309.8	3411.4	3545.7	3633.6	3559.5	3409.7	3285.7	3192.7	3149.7
40°	3549.2	3556.1	3625.0	3740.3	3891.9	3986.6	3900.5	3748.9	3583.6	3511.3	3511.3
42.5°	3912.5	3941.8	3986.6	4086.5	4222.5	4327.6	4250.1	4131.2	3964.2	3871.2	3885.0
45°	4286.2	4300.0	4329.3	4477.4	4541.1	4592.8	4520.4	4465.3	4353.4	4239.7	4220.8
47.5°	4635.8	4641.0	4727.1	4773.6	4823.5	4780.5	4827.0	4754.6	4628.9	4518.7	4496.3
50°	4790.8	4782.2	4904.5	5045.7	5083.5	5007.8	4968.2	4920.0	4728.8	4596.2	4537.7
52.5°	4339.6	4389.6	4616.9	5009.5	5305.7	5369.4	5138.7	4916.5	4560.0	4301.7	4262.1
54°	3823.0	3869.5	4057.2	4639.3	5255.8	5471.0	5099.0	4627.2	4124.4	3817.8	3778.2
55°	3311.5	3259.9	3600.8	4195.0	5021.6	5381.5	4942.3	4253.5	3678.3	3397.6	3342.5
57.5°	1792.7	1801.3	2088.9	2650.3	3528.5	4126.1	3643.9	2877.6	2173.3	1858.1	1830.6
60°	568.3	582.1	707.8	1071.1	1685.9	2013.1	1725.5	1155.5	799.0	640.6	614.8
62.5°	177.4	184.3	201.5	299.6	461.5	659.6	516.6	310.0	230.8	211.8	215.3
65°	108.5	108.5	110.2	117.1	137.8	160.2	155.0	136.0	130.9	127.4	125.7
67.5°	70.6	68.9	72.3	77.5	80.9	82.7	87.8	93.0	91.3	87.8	87.8
70°	43.1	41.3	44.8	51.7	53.4	56.8	62.0	68.9	67.2	63.7	65.4
72.5°	24.1	24.1	25.8	31.0	36.2	39.6	44.8	49.9	51.7	49.9	49.9
75°	8.6	10.3	13.8	18.9	22.4	27.6	32.7	37.9	43.1	39.6	37.9
77.5°	3.4	3.4	6.9	12.1	17.2	22.4	31.0	36.2	39.6	36.2	32.7
80°	1.7	1.7	5.2	10.3	15.5	20.7	25.8	31.0	32.7	29.3	25.8
82.5°	1.7	1.7	5.2	10.3	15.5	18.9	27.6	31.0	34.4	31.0	25.8
85°	0.0	1.7	5.2	10.3	13.8	15.5	15.5	10.3	8.6	5.2	5.2
87.5°	0.0	0.0	1.7	0.0	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)