

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: P527495

Luminaire Tested: **GALN-SA2C-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527495
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-SA2C-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA 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: 9048 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

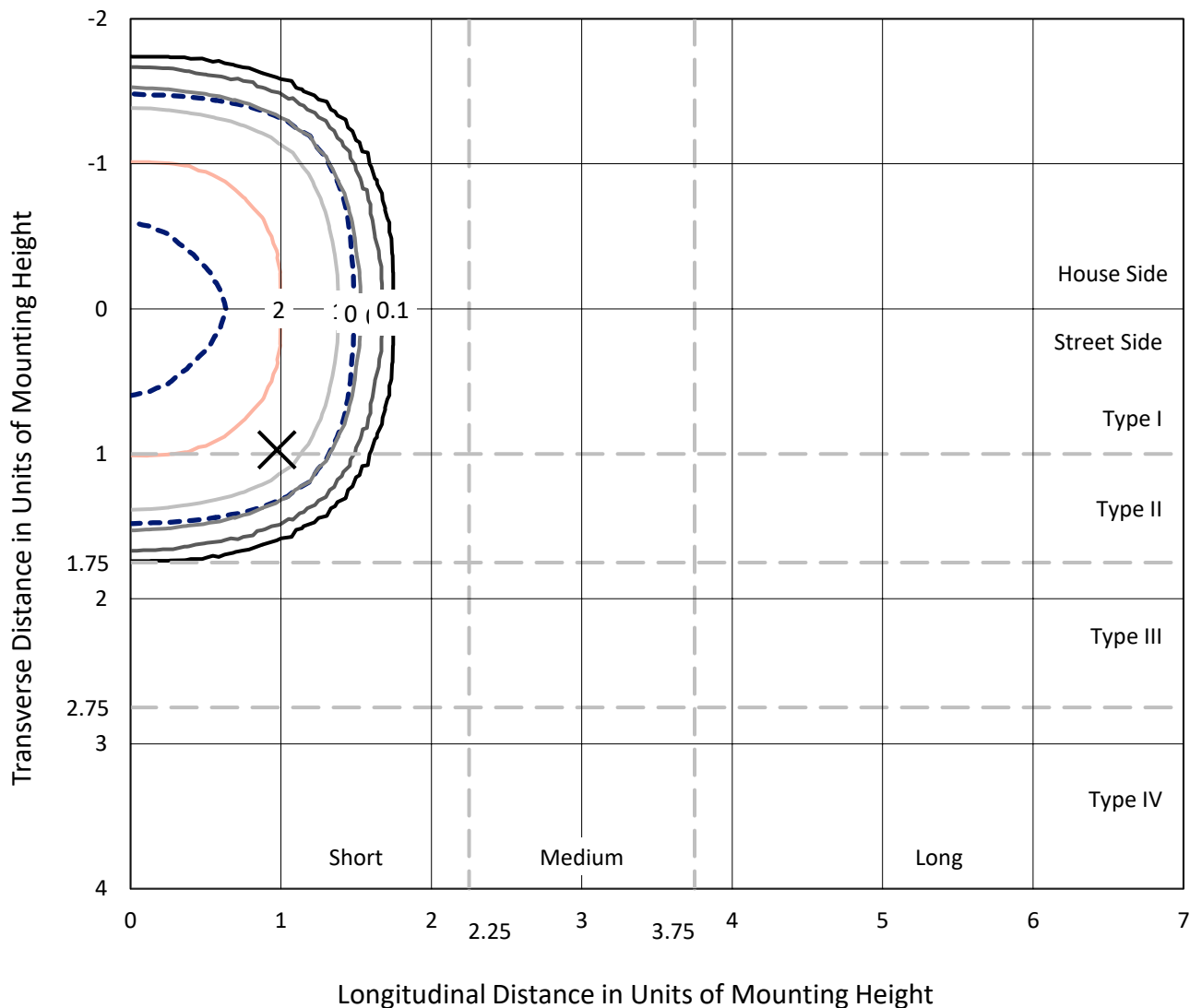
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

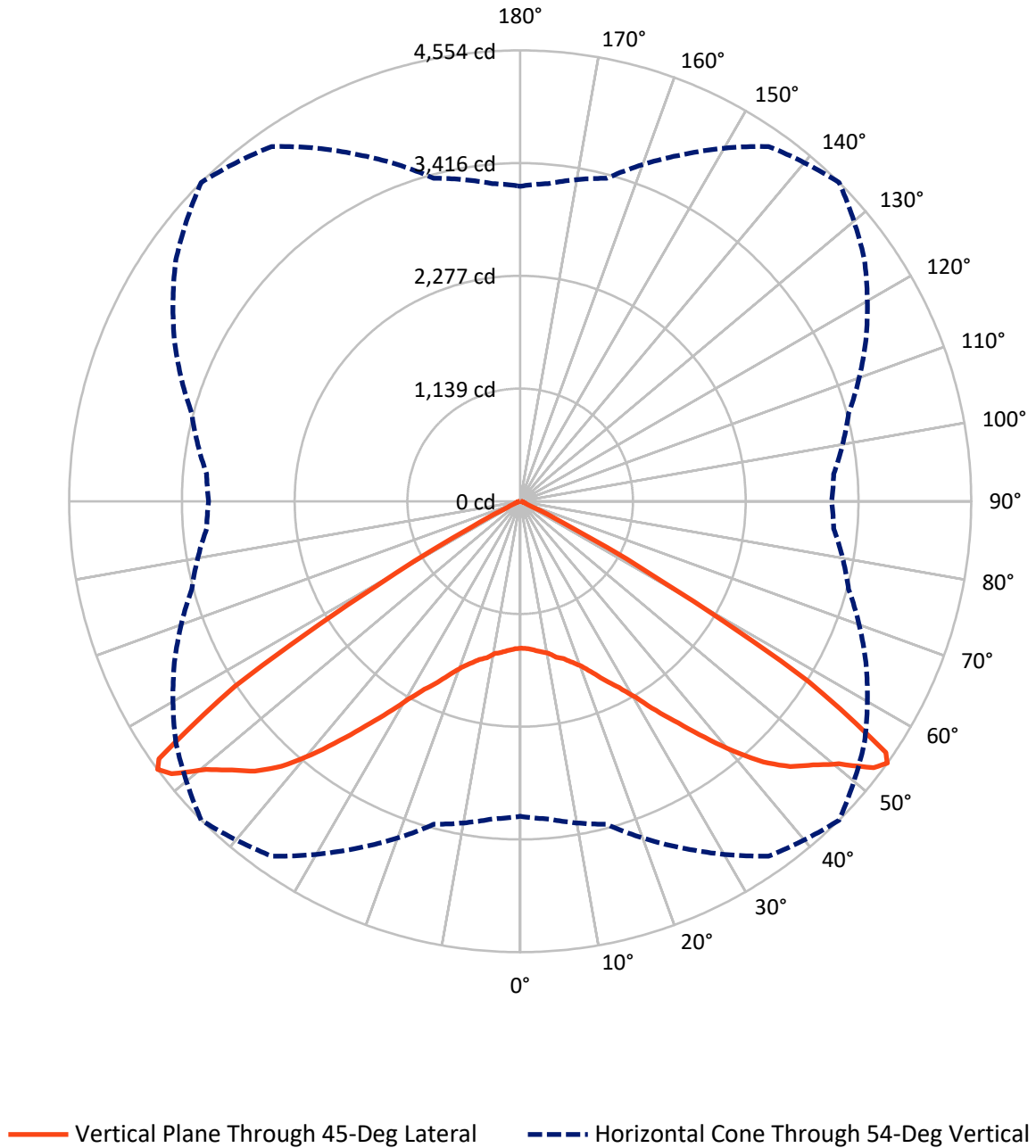
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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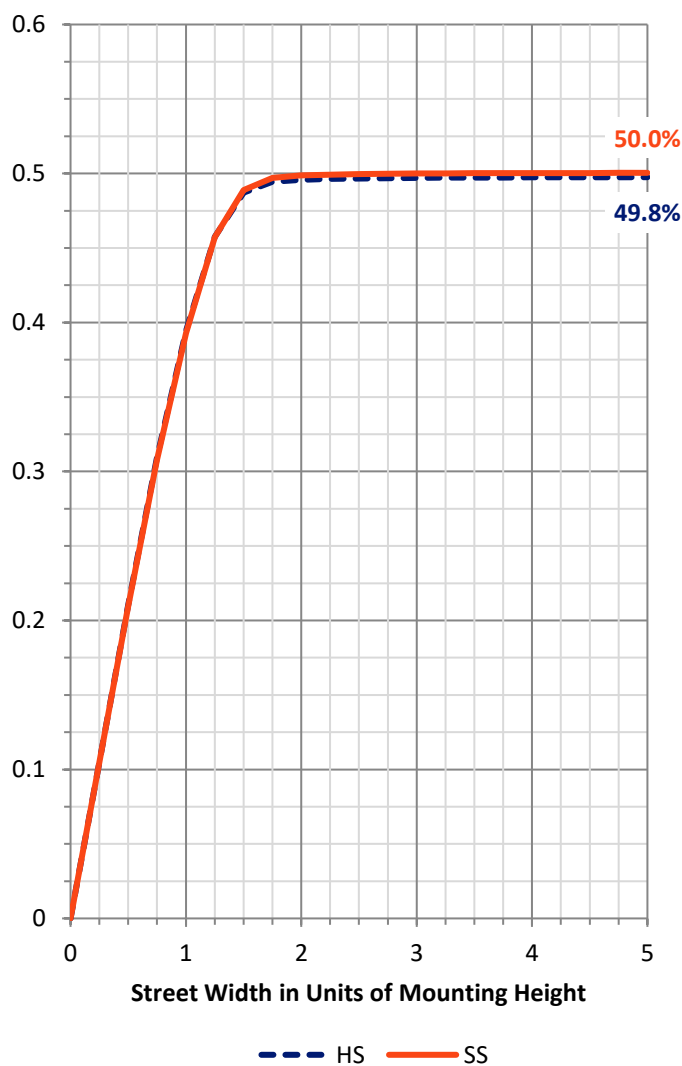
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4524.0	0.0	4524.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4524.0	0.0	4524.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9048.0	0.0	9048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	1.6
10°-20°	470.2	5.2
20°-30°	921.6	10.2
30°-40°	1657.3	18.3
40°-50°	2837.0	31.4
50°-60°	2745.1	30.3
60°-70°	235.0	2.6
70°-80°	27.8	0.3
80°-90°	8.7	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°	9048.0	100.0
0°-180°	9048.0	100.0

Coefficient of Utilization

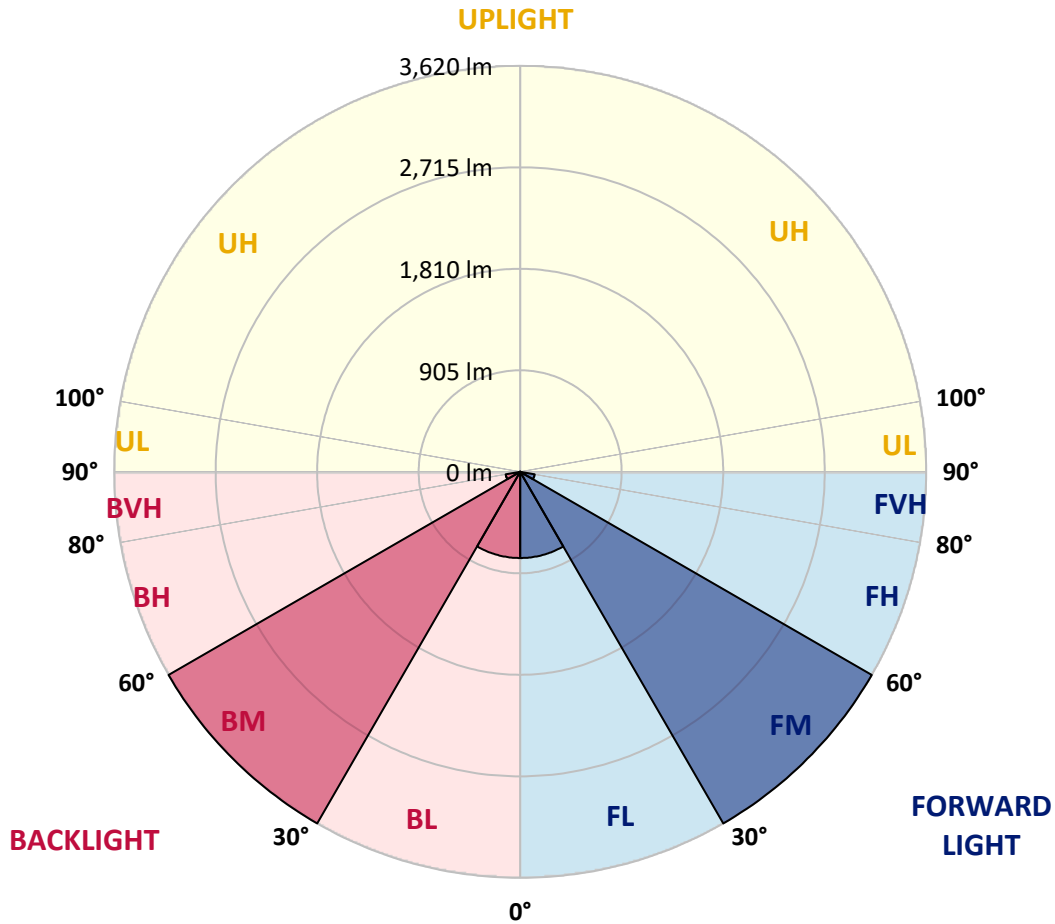


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	768.5	8.5			
FM (30°-60°)	3619.7	40.0			
FH (60°-80°)	131.4	1.5			G0/660
FVH (80°-90°)	4.4	0.0			G0/10
BL (0°-30°)	768.5	8.5	B2/1000		
BM (30°-60°)	3619.7	40.0	B3/5000		
BH (60°-80°)	131.4	1.5	B1/500		G0/660
BVH (80°-90°)	4.4	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°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1490.8	1499.4	1493.6	1497.9	1497.9	1490.8	1495.1	1477.9	1489.3	1480.7	1482.2
5°	1513.7	1512.3	1512.3	1513.7	1508.0	1510.8	1505.1	1499.4	1495.1	1489.3	1506.5
7.5°	1542.4	1542.4	1532.3	1535.2	1532.3	1536.6	1525.2	1513.7	1509.4	1505.1	1502.2
10°	1569.6	1566.7	1562.4	1575.3	1565.3	1559.6	1553.8	1546.7	1530.9	1525.2	1519.4
12.5°	1609.7	1608.3	1602.6	1615.5	1609.7	1615.5	1594.0	1575.3	1572.5	1553.8	1563.9
15°	1657.0	1669.9	1659.9	1659.9	1657.0	1649.9	1641.3	1632.7	1606.9	1599.7	1601.1
17.5°	1718.7	1714.4	1715.8	1715.8	1730.1	1711.5	1694.3	1672.8	1659.9	1655.6	1641.3
20°	1777.4	1783.2	1781.7	1791.8	1800.4	1780.3	1761.7	1758.8	1723.0	1728.7	1708.6
22.5°	1880.6	1876.3	1883.5	1890.7	1884.9	1882.1	1864.9	1843.4	1811.8	1797.5	1794.6
25°	1989.6	1982.4	1969.5	1986.7	1995.3	2008.2	1975.3	1963.8	1915.0	1893.5	1895.0
27.5°	2082.8	2092.8	2107.1	2114.3	2135.8	2131.5	2108.6	2071.3	2034.0	2009.7	1993.9
30°	2210.3	2216.1	2240.4	2250.5	2287.7	2297.8	2261.9	2218.9	2153.0	2121.5	2102.8
32.5°	2327.9	2368.0	2366.6	2416.7	2477.0	2518.5	2454.0	2388.1	2322.1	2284.9	2251.9
35°	2518.5	2511.4	2552.9	2606.0	2703.4	2750.7	2680.5	2604.5	2504.2	2444.0	2418.2
37.5°	2696.3	2699.1	2755.0	2839.6	2951.4	3024.5	2962.9	2838.2	2735.0	2657.6	2621.7
40°	2954.3	2960.0	3017.3	3113.4	3239.5	3318.4	3246.7	3120.6	2982.9	2922.7	2922.7
42.5°	3256.7	3281.1	3318.4	3401.5	3514.7	3602.2	3537.7	3438.8	3299.7	3222.3	3233.8
45°	3567.8	3579.3	3603.6	3726.9	3779.9	3822.9	3762.7	3716.9	3623.7	3529.1	3513.3
47.5°	3858.8	3863.1	3934.7	3973.4	4015.0	3979.2	4017.9	3957.7	3853.0	3761.3	3742.7
50°	3987.8	3980.6	4082.4	4199.9	4231.5	4168.4	4135.4	4095.3	3936.2	3825.8	3777.1
52.5°	3612.2	3653.8	3843.0	4169.8	4416.4	4469.4	4277.3	4092.4	3795.7	3580.7	3547.7
54°	3182.2	3220.9	3377.1	3861.6	4374.8	4554.0	4244.4	3851.6	3433.0	3177.9	3144.9
55°	2756.5	2713.5	2997.3	3491.8	4179.9	4479.4	4113.9	3540.5	3061.8	2828.1	2782.3
57.5°	1492.2	1499.4	1738.7	2206.0	2937.1	3434.5	3033.1	2395.2	1809.0	1546.7	1523.7
60°	473.0	484.5	589.1	891.6	1403.3	1675.7	1436.3	961.8	665.1	533.2	511.7
62.5°	147.6	153.4	167.7	249.4	384.2	549.0	430.0	258.0	192.1	176.3	179.2
65°	90.3	90.3	91.7	97.5	114.7	133.3	129.0	113.2	108.9	106.1	104.6
67.5°	58.8	57.3	60.2	64.5	67.4	68.8	73.1	77.4	76.0	73.1	73.1
70°	35.8	34.4	37.3	43.0	44.4	47.3	51.6	57.3	55.9	53.0	54.5
72.5°	20.1	20.1	21.5	25.8	30.1	33.0	37.3	41.6	43.0	41.6	41.6
75°	7.2	8.6	11.5	15.8	18.6	22.9	27.2	31.5	35.8	33.0	31.5
77.5°	2.9	2.9	5.7	10.0	14.3	18.6	25.8	30.1	33.0	30.1	27.2
80°	1.4	1.4	4.3	8.6	12.9	17.2	21.5	25.8	27.2	24.4	21.5
82.5°	1.4	1.4	4.3	8.6	12.9	15.8	22.9	25.8	28.7	25.8	21.5
85°	0.0	1.4	4.3	8.6	11.5	12.9	12.9	8.6	7.2	4.3	4.3
87.5°	0.0	0.0	1.4	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)