

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: P533712

Luminaire Tested: **GALN-SA9A-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27949 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 274
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

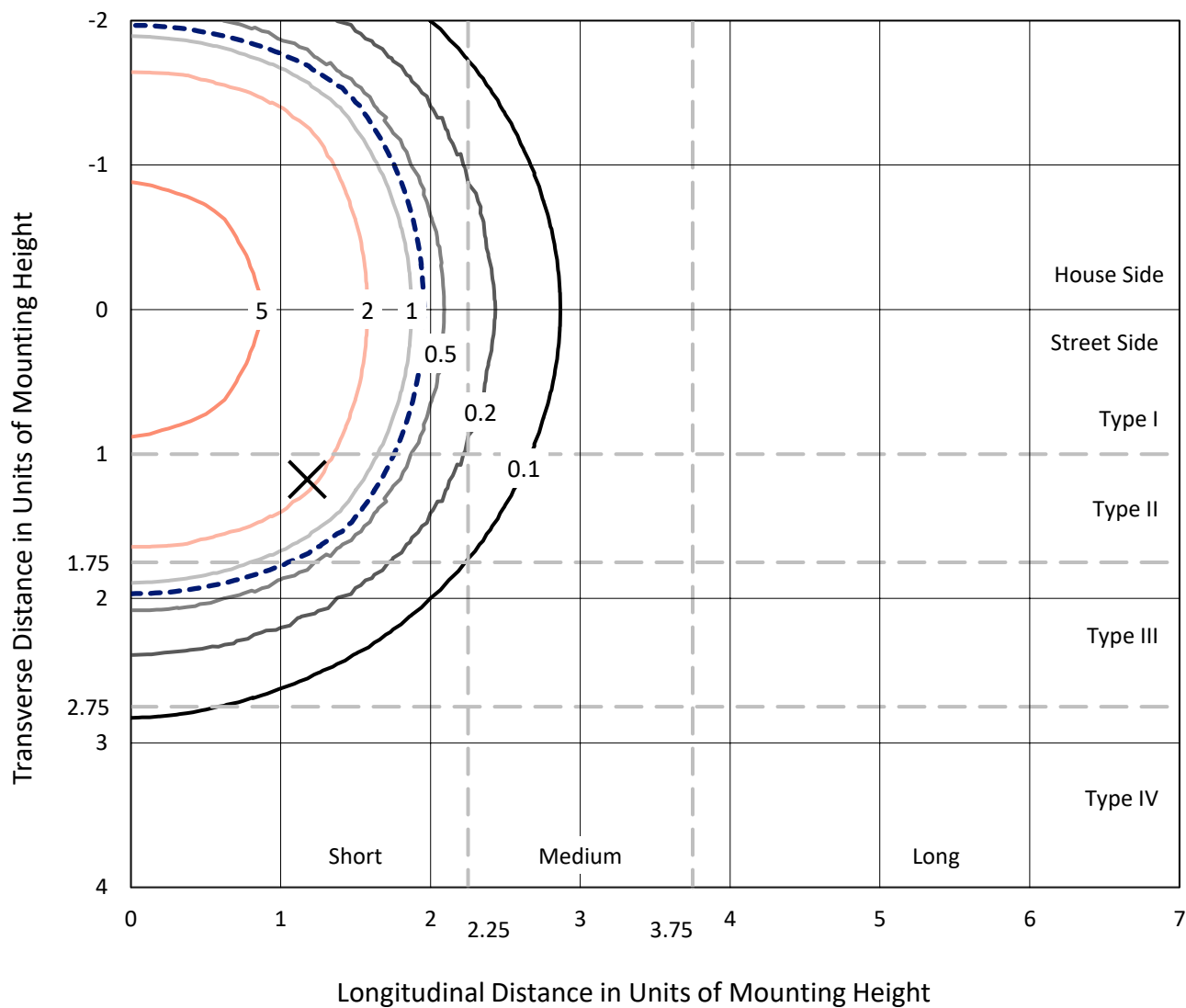


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

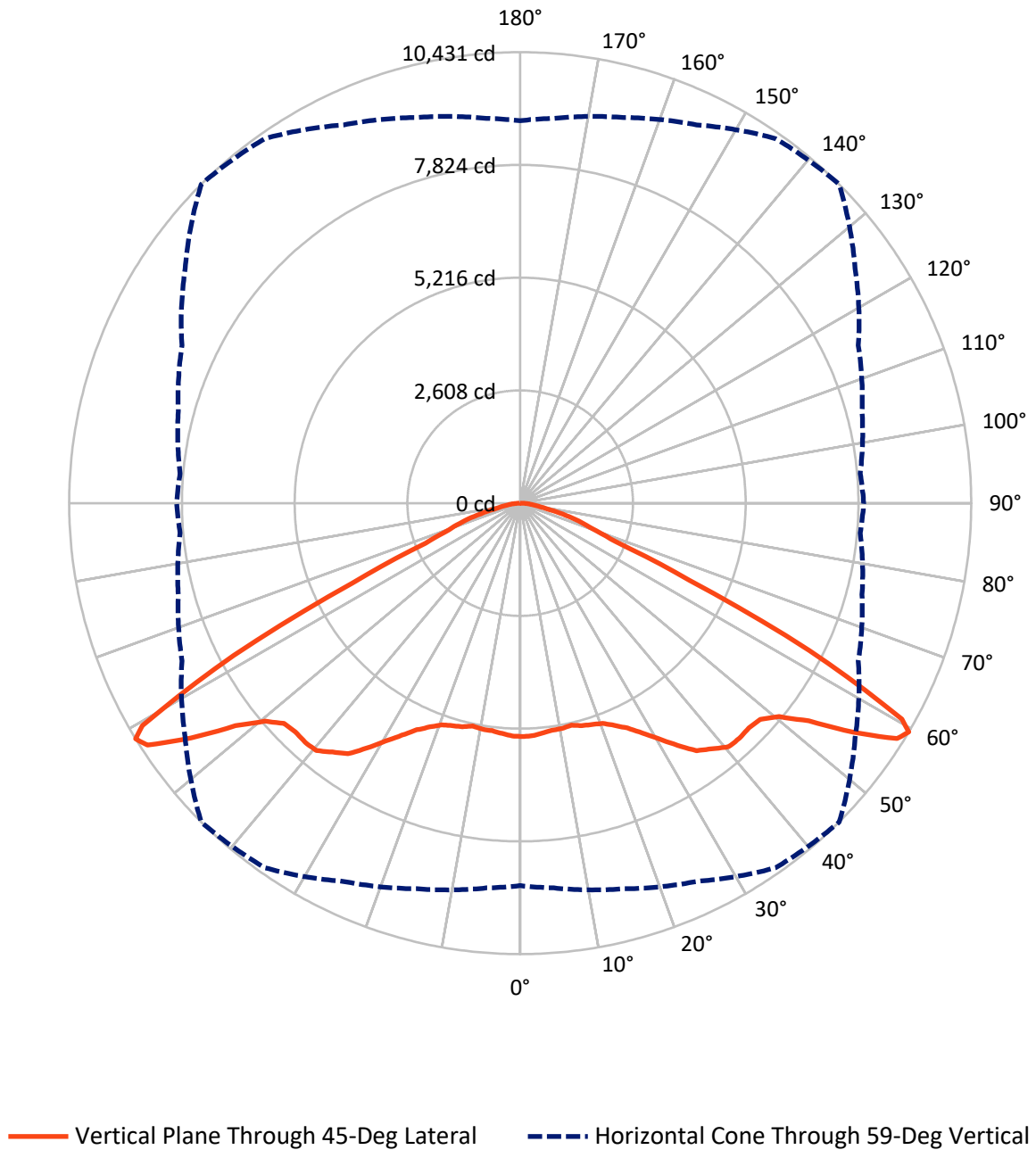


Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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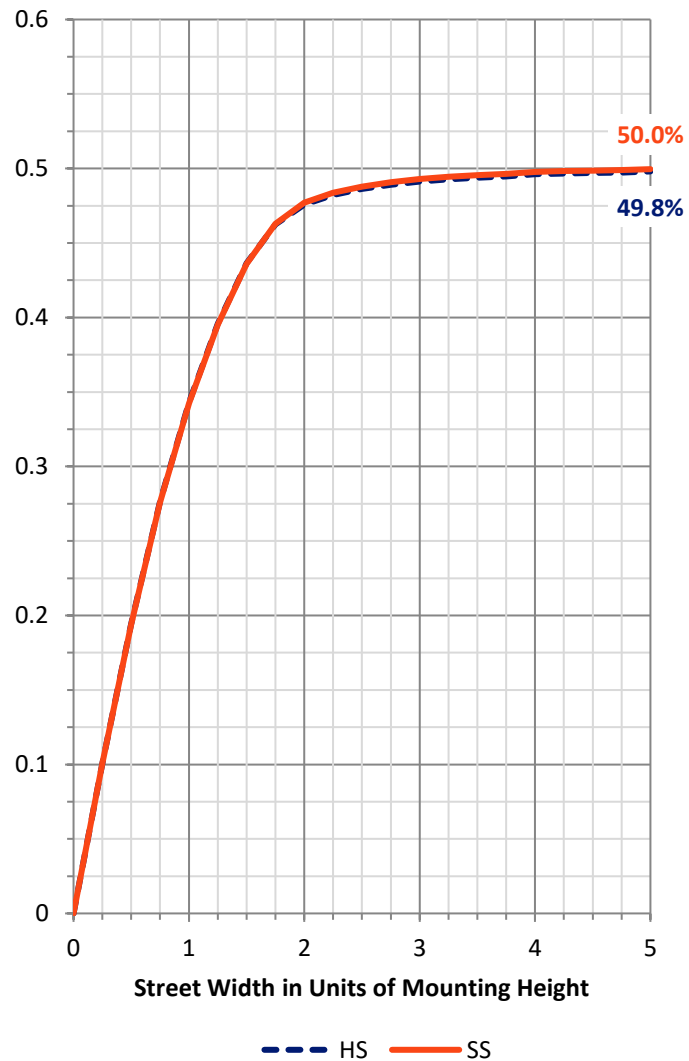
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13974.5	0.0	13974.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13974.5	0.0	13974.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27949.0	0.0	27949.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.9	1.8
10°-20°	1513.4	5.4
20°-30°	2642.5	9.5
30°-40°	4220.5	15.1
40°-50°	5749.1	20.6
50°-60°	7774.4	27.8
60°-70°	4263.5	15.3
70°-80°	1090.7	3.9
80°-90°	186.0	0.7
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°	27949.0	100.0
0°-180°	27949.0	100.0

Coefficient of Utilization



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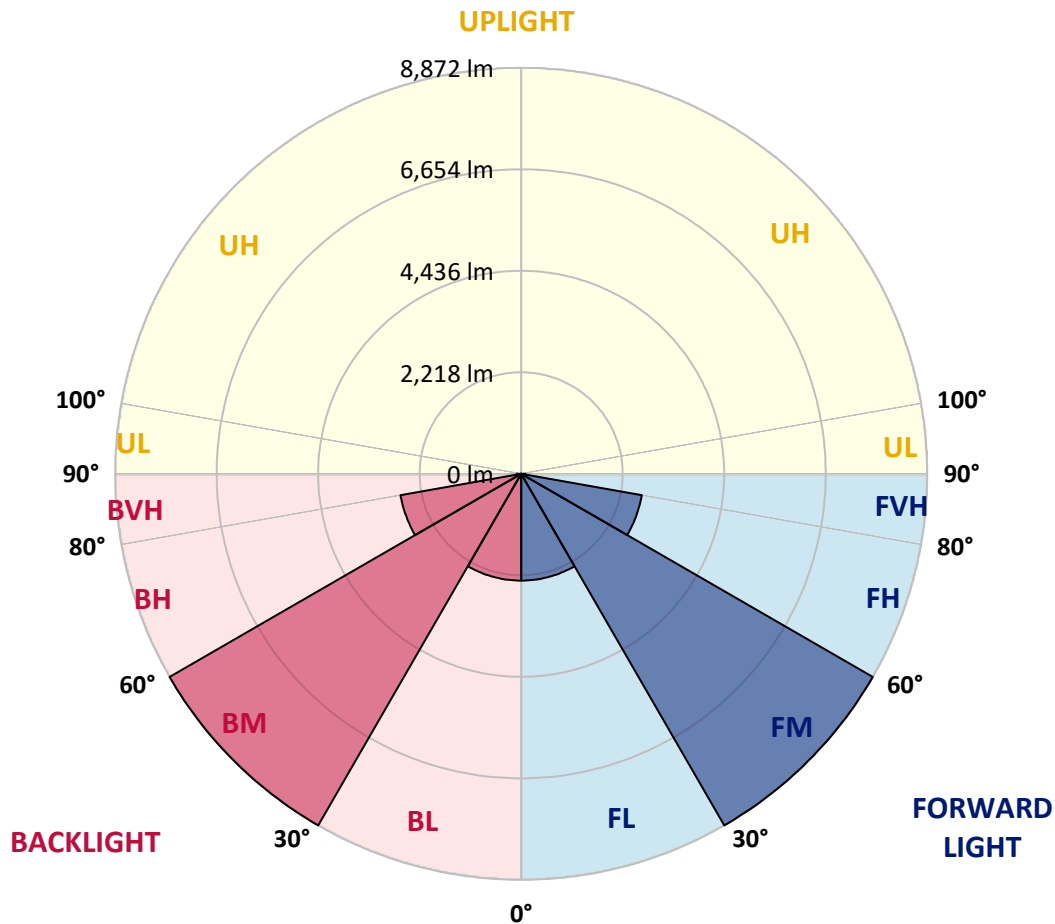
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2332.4	8.3			
FM	(30°-60°)	8872.0	31.7			
FH	(60°-80°)	2677.1	9.6			G2/5000
FVH	(80°-90°)	93.0	0.3			G1/100
BL	(0°-30°)	2332.4	8.3	B3/2500		
BM	(30°-60°)	8872.0	31.7	B5		
BH	(60°-80°)	2677.1	9.6	B4/5000		G2/5000
BVH	(80°-90°)	93.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5398.4	5398.4	5398.4	5398.4	5398.4	5398.4	5398.4	5398.4	5398.4	5398.4	5398.4
2.5°	5366.2	5405.6	5376.9	5402.0	5398.4	5387.7	5369.8	5359.0	5344.7	5366.2	5330.3
5°	5344.7	5376.9	5409.2	5366.2	5366.2	5344.7	5333.9	5312.4	5312.4	5308.9	5305.3
7.5°	5380.5	5348.3	5333.9	5341.1	5348.3	5301.7	5333.9	5290.9	5255.1	5280.2	5308.9
10°	5348.3	5362.6	5308.9	5333.9	5294.5	5301.7	5280.2	5308.9	5269.5	5269.5	5269.5
12.5°	5380.5	5341.1	5359.0	5341.1	5330.3	5269.5	5298.1	5265.9	5262.3	5298.1	5265.9
15°	5445.0	5380.5	5366.2	5330.3	5341.1	5341.1	5312.4	5316.0	5276.6	5298.1	5305.3
17.5°	5423.5	5387.7	5376.9	5333.9	5369.8	5380.5	5326.8	5290.9	5316.0	5312.4	5308.9
20°	5441.4	5455.7	5445.0	5452.1	5466.5	5437.8	5387.7	5337.5	5305.3	5351.8	5348.3
22.5°	5556.0	5541.7	5534.5	5527.4	5552.4	5581.1	5513.0	5434.2	5434.2	5466.5	5480.8
25°	5649.2	5645.6	5642.0	5674.2	5760.2	5760.2	5674.2	5573.9	5548.9	5570.4	5552.4
27.5°	5785.3	5824.7	5810.4	5867.7	5993.1	6021.7	5907.1	5788.9	5720.8	5695.7	5728.0
30°	6096.9	6050.4	6061.1	6122.0	6233.1	6326.2	6150.7	6025.3	5932.2	5928.6	5942.9
32.5°	6304.7	6340.5	6372.8	6430.1	6605.6	6677.3	6465.9	6261.7	6204.4	6172.2	6182.9
35°	6720.3	6688.0	6680.8	6738.2	6913.7	7031.9	6766.8	6587.7	6512.5	6584.1	6584.1
37.5°	7114.3	7024.7	6956.7	7031.9	7193.1	7207.4	6981.8	6885.0	6845.6	6928.0	6924.4
40°	7300.6	7293.4	7135.8	7178.8	7393.7	7415.2	7203.9	7089.2	7082.1	7189.5	7297.0
42.5°	7494.0	7425.9	7268.3	7297.0	7429.5	7436.7	7236.1	7203.9	7282.7	7386.5	7393.7
45°	7526.3	7468.9	7368.6	7297.0	7393.7	7415.2	7297.0	7318.5	7325.6	7451.0	7451.0
47.5°	7590.7	7583.6	7526.3	7472.5	7490.4	7472.5	7397.3	7429.5	7537.0	7597.9	7569.2
50°	7769.8	7694.6	7751.9	7705.4	7708.9	7759.1	7691.0	7723.3	7701.8	7648.0	7612.2
52.5°	8163.9	8128.1	8178.2	8210.5	8246.3	8360.9	8282.1	8110.2	7949.0	7805.7	7802.1
55°	8740.6	8765.7	8862.4	9027.2	9166.9	9349.6	8969.9	8557.9	8300.0	8074.3	8088.7
57.5°	9285.1	9267.2	9399.8	9775.9	10184.3	10277.4	9532.3	8944.8	8525.7	8382.4	8321.5
59°	8848.1	8934.1	9235.0	9654.1	10295.3	10431.4	9457.1	8629.6	8185.4	7895.2	7945.4
60°	8160.3	8192.5	8461.2	9045.1	9912.0	10144.9	8952.0	8142.4	7551.3	7383.0	7458.2
62.5°	5767.4	5742.3	5935.7	6412.2	7189.5	7504.8	6655.8	6086.2	5713.6	5527.4	5570.4
65°	3066.4	3181.0	3259.8	3557.1	3969.1	4302.2	3951.2	3704.0	3496.2	3342.2	3338.6
67.5°	2070.5	2056.2	2074.1	2142.2	2281.9	2375.0	2367.8	2242.5	2224.6	2195.9	2228.1
70°	1744.5	1737.4	1705.1	1705.1	1733.8	1755.3	1780.4	1794.7	1823.4	1859.2	1855.6
72.5°	1415.0	1397.1	1375.6	1364.8	1400.6	1411.4	1443.6	1458.0	1483.0	1479.5	1511.7
75°	935.0	935.0	960.0	988.7	999.4	1020.9	1024.5	1067.5	1067.5	1074.7	1046.0
77.5°	523.0	508.7	526.6	555.2	580.3	619.7	659.1	691.4	709.3	702.1	702.1
80°	304.5	304.5	322.4	354.6	386.9	422.7	451.4	476.4	494.3	487.2	472.9
82.5°	189.9	189.9	207.8	240.0	265.1	286.6	326.0	358.2	379.7	372.6	354.6
85°	96.7	96.7	118.2	139.7	171.9	186.3	182.7	168.4	164.8	146.9	146.9
87.5°	25.1	25.1	35.8	39.4	32.2	35.8	35.8	35.8	35.8	35.8	39.4
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)