

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: P532776

Luminaire Tested: **GALN-SA8A-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532776
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-SA8A-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 24895 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: B4 - U0 - G2

Input Watts (W): 244
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



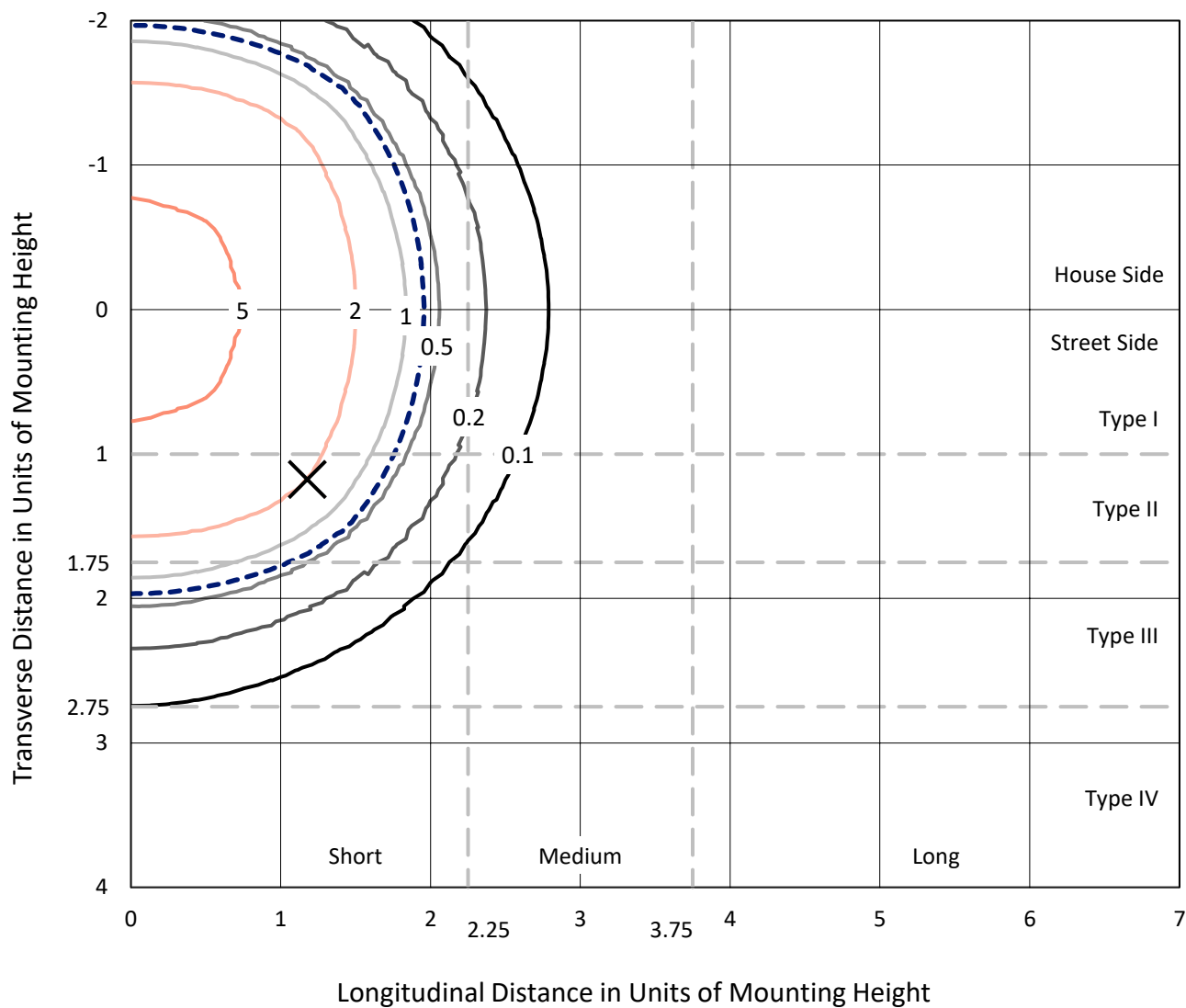
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

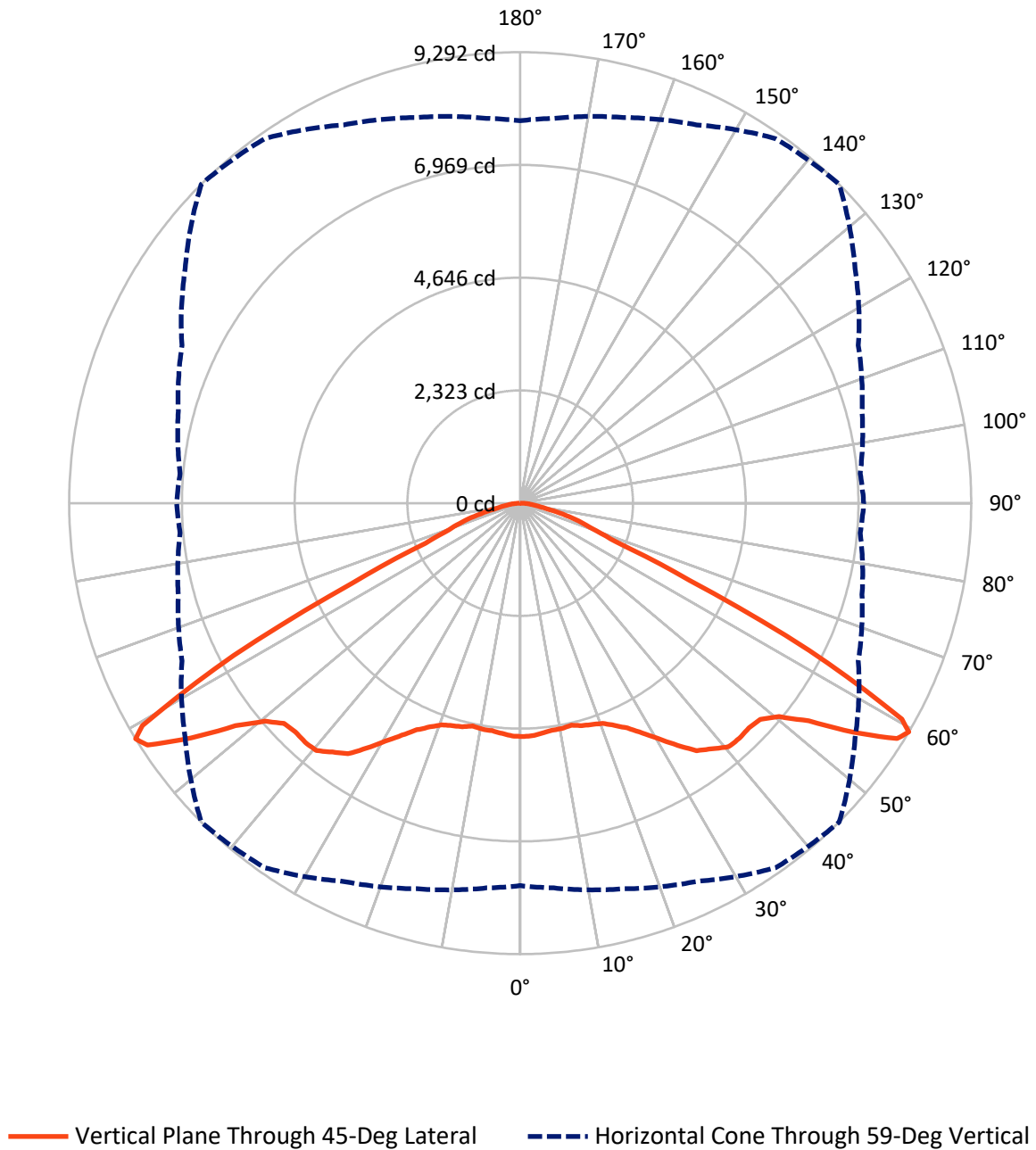


Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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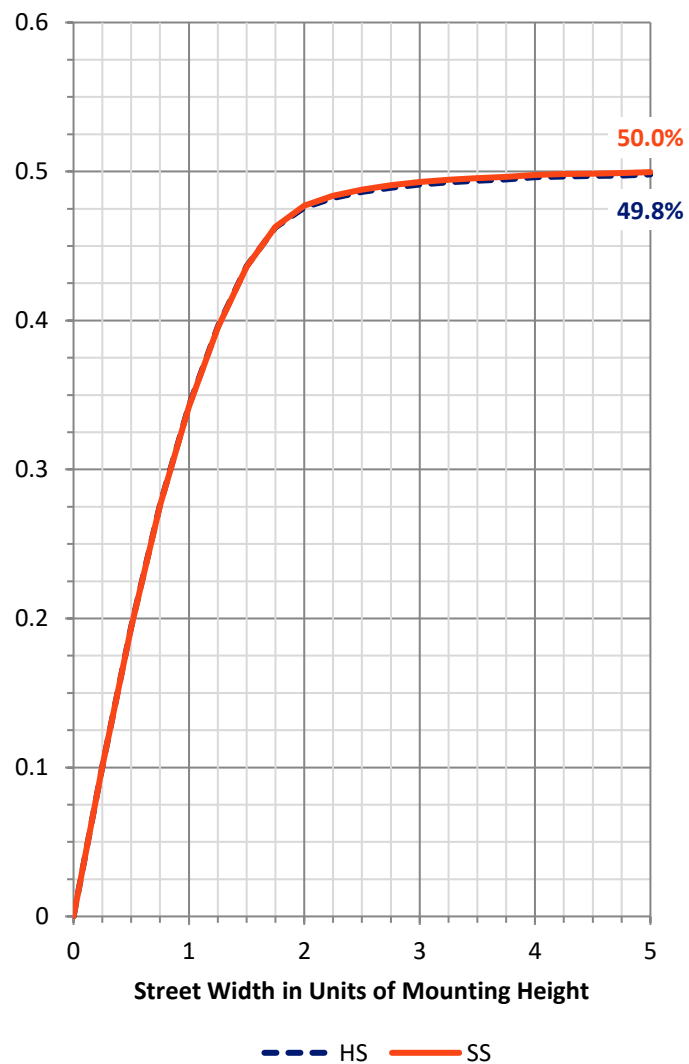
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12447.5	0.0	12447.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12447.5	0.0	12447.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24895.0	0.0	24895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.3	1.8
10°-20°	1348.0	5.4
20°-30°	2353.8	9.5
30°-40°	3759.3	15.1
40°-50°	5120.9	20.6
50°-60°	6924.9	27.8
60°-70°	3797.6	15.3
70°-80°	971.5	3.9
80°-90°	165.7	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°	24895.0	100.0
0°-180°	24895.0	100.0

Coefficient of Utilization



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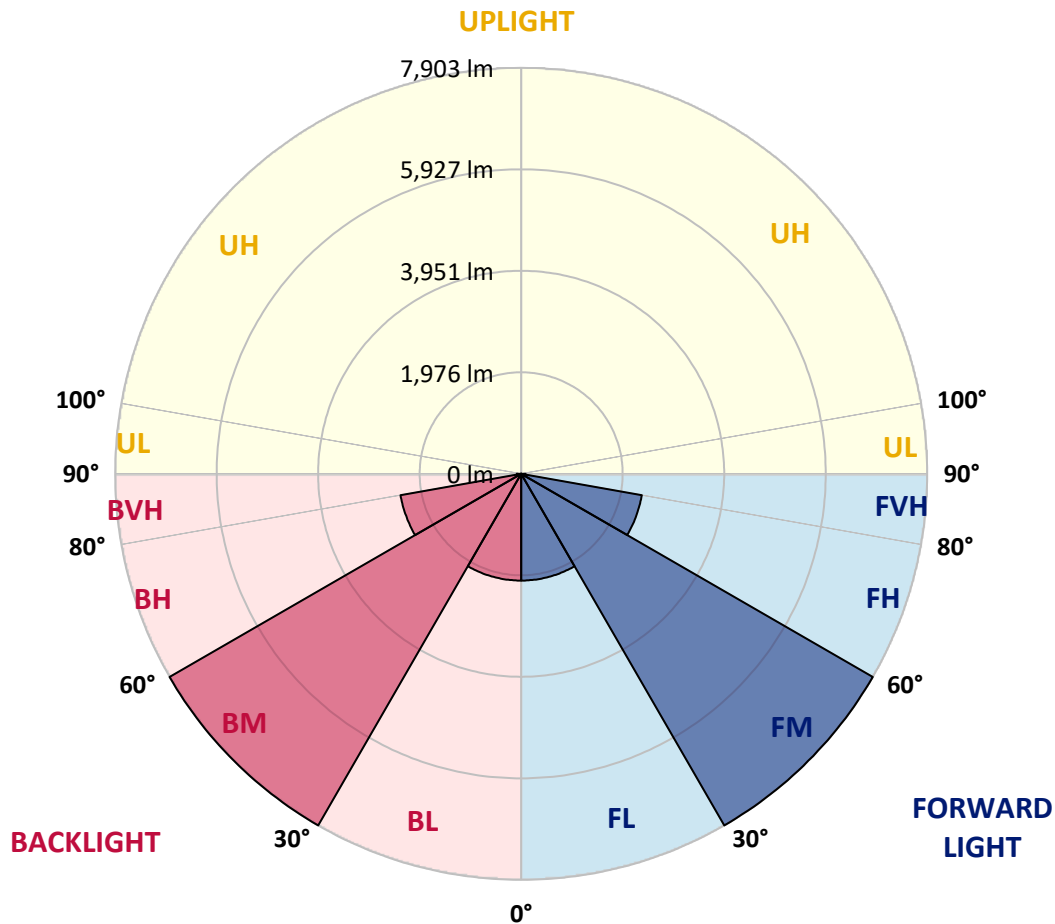
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2077.5	8.3			
FM	(30°-60°)	7902.5	31.7			
FH	(60°-80°)	2384.6	9.6			G2/5000
FVH	(80°-90°)	82.8	0.3			G1/100
BL	(0°-30°)	2077.5	8.3	B3/2500		
BM	(30°-60°)	7902.5	31.7	B4/8500		
BH	(60°-80°)	2384.6	9.6	B3/2500		G2/5000
BVH	(80°-90°)	82.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4808.5	4808.5	4808.5	4808.5	4808.5	4808.5	4808.5	4808.5	4808.5	4808.5	4808.5
2.5°	4779.8	4814.9	4789.4	4811.7	4808.5	4799.0	4783.0	4773.4	4760.7	4779.8	4747.9
5°	4760.7	4789.4	4818.1	4779.8	4779.8	4760.7	4751.1	4731.9	4731.9	4728.8	4725.6
7.5°	4792.6	4763.9	4751.1	4757.5	4763.9	4722.4	4751.1	4712.8	4680.9	4703.2	4728.8
10°	4763.9	4776.6	4728.8	4751.1	4716.0	4722.4	4703.2	4728.8	4693.7	4693.7	4693.7
12.5°	4792.6	4757.5	4773.4	4757.5	4747.9	4693.7	4719.2	4690.5	4687.3	4719.2	4690.5
15°	4850.0	4792.6	4779.8	4747.9	4757.5	4757.5	4731.9	4735.1	4700.0	4719.2	4725.6
17.5°	4830.9	4799.0	4789.4	4751.1	4783.0	4792.6	4744.7	4712.8	4735.1	4731.9	4728.8
20°	4846.8	4859.6	4850.0	4856.4	4869.1	4843.6	4799.0	4754.3	4725.6	4767.0	4763.9
22.5°	4948.9	4936.2	4929.8	4923.4	4945.7	4971.3	4910.6	4840.4	4840.4	4869.1	4881.9
25°	5031.9	5028.7	5025.5	5054.2	5130.8	5130.8	5054.2	4964.9	4942.5	4961.7	4945.7
27.5°	5153.1	5188.2	5175.5	5226.5	5338.2	5363.7	5261.6	5156.3	5095.7	5073.4	5102.1
30°	5430.7	5389.2	5398.8	5453.1	5552.0	5634.9	5478.6	5366.9	5284.0	5280.8	5293.5
32.5°	5615.8	5647.7	5676.4	5727.5	5883.8	5947.6	5759.4	5577.5	5526.5	5497.7	5507.3
35°	5985.9	5957.2	5950.8	6001.9	6158.2	6263.5	6027.4	5867.9	5800.9	5864.7	5864.7
37.5°	6336.9	6257.1	6196.5	6263.5	6407.1	6419.9	6218.9	6132.7	6097.6	6171.0	6167.8
40°	6502.8	6496.5	6356.1	6394.3	6585.8	6604.9	6416.7	6314.6	6308.2	6403.9	6499.6
42.5°	6675.1	6614.5	6474.1	6499.6	6617.7	6624.1	6445.4	6416.7	6486.9	6579.4	6585.8
45°	6703.9	6652.8	6563.5	6499.6	6585.8	6604.9	6499.6	6518.8	6525.2	6636.8	6636.8
47.5°	6761.3	6754.9	6703.9	6656.0	6671.9	6656.0	6589.0	6617.7	6713.4	6767.7	6742.1
50°	6920.8	6853.8	6904.9	6863.4	6866.6	6911.3	6850.6	6879.3	6860.2	6812.3	6780.4
52.5°	7271.8	7239.9	7284.6	7313.3	7345.2	7447.3	7377.1	7224.0	7080.4	6952.7	6949.5
55°	7785.5	7807.9	7894.0	8040.8	8165.2	8328.0	7989.7	7622.8	7393.1	7192.0	7204.8
57.5°	8270.5	8254.6	8372.6	8707.7	9071.4	9154.4	8490.7	7967.4	7594.1	7466.5	7412.2
59°	7881.3	7957.8	8225.9	8599.2	9170.3	9291.6	8423.7	7686.6	7291.0	7032.5	7077.2
60°	7268.6	7297.3	7536.7	8056.7	8828.9	9036.3	7973.8	7252.7	6726.2	6576.2	6643.2
62.5°	5137.2	5114.8	5287.1	5711.5	6403.9	6684.7	5928.5	5421.2	5089.3	4923.4	4961.7
65°	2731.3	2833.4	2903.6	3168.5	3535.4	3832.1	3519.4	3299.3	3114.2	2977.0	2973.8
67.5°	1844.3	1831.5	1847.5	1908.1	2032.5	2115.5	2109.1	1997.4	1981.5	1956.0	1984.7
70°	1553.9	1547.5	1518.8	1518.8	1544.3	1563.5	1585.8	1598.6	1624.1	1656.0	1652.8
72.5°	1260.4	1244.4	1225.3	1215.7	1247.6	1257.2	1285.9	1298.7	1321.0	1317.8	1346.5
75°	832.8	832.8	855.1	880.7	890.2	909.4	912.6	950.9	950.9	957.2	931.7
77.5°	465.9	453.1	469.0	494.6	516.9	552.0	587.1	615.8	631.8	625.4	625.4
80°	271.2	271.2	287.2	315.9	344.6	376.5	402.0	424.4	440.3	433.9	421.2
82.5°	169.1	169.1	185.1	213.8	236.1	255.3	290.4	319.1	338.2	331.8	315.9
85°	86.2	86.2	105.3	124.4	153.2	165.9	162.7	150.0	146.8	130.8	130.8
87.5°	22.3	22.3	31.9	35.1	28.7	31.9	31.9	31.9	31.9	31.9	35.1
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)