

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: P531372

Luminaire Tested: **GALN-SA6C-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531372
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-SA6C-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA 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: 28105 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

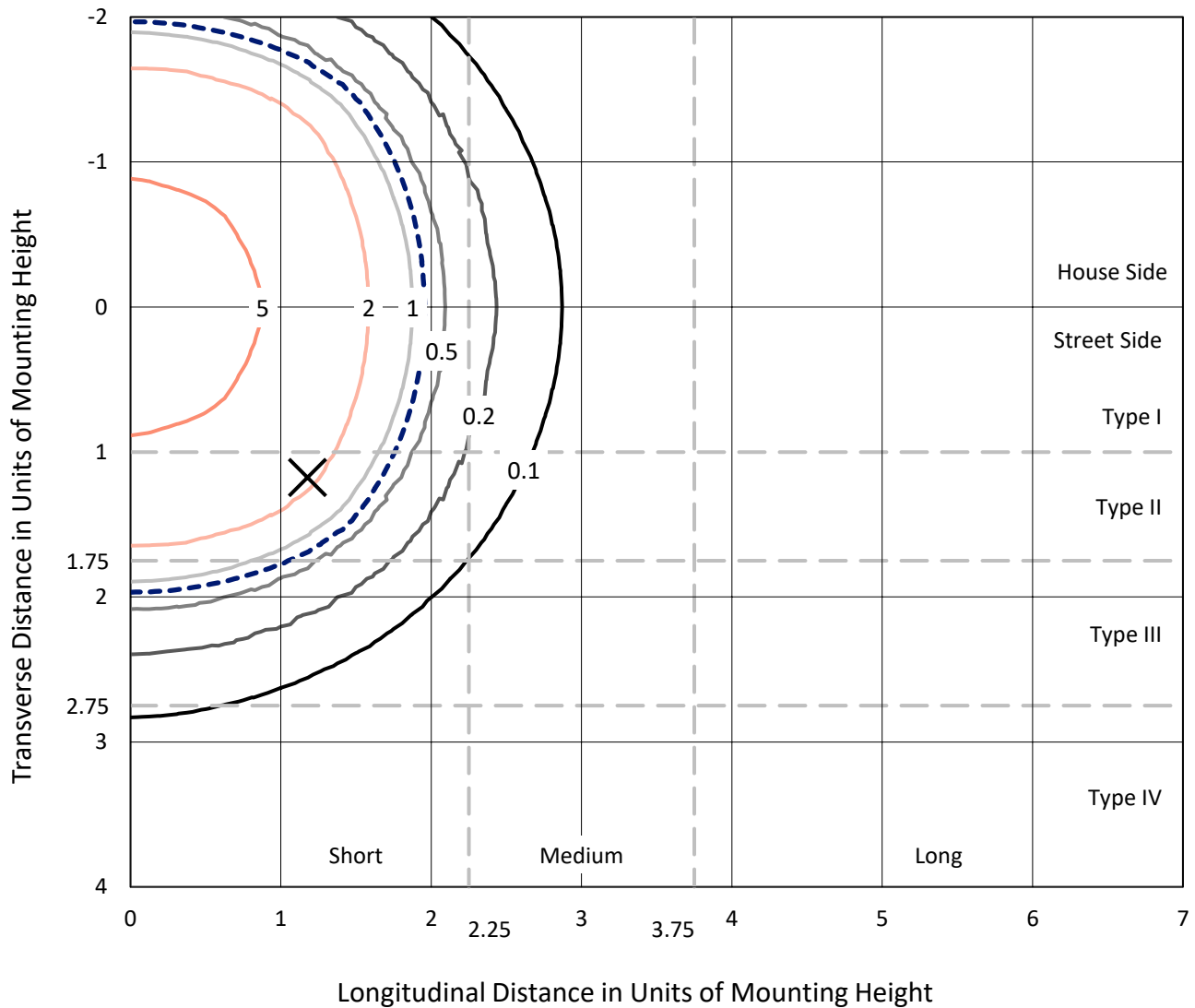
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

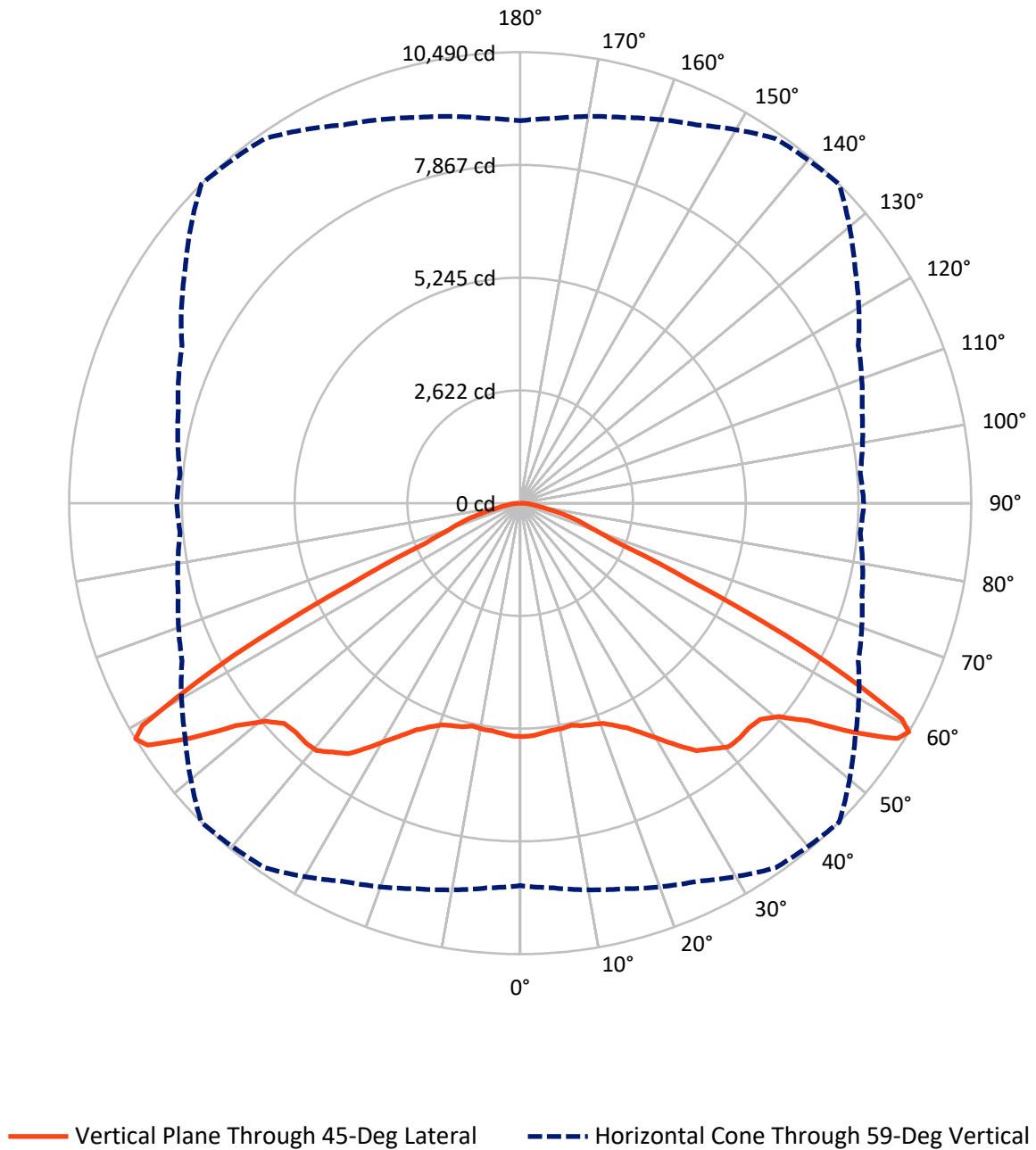


Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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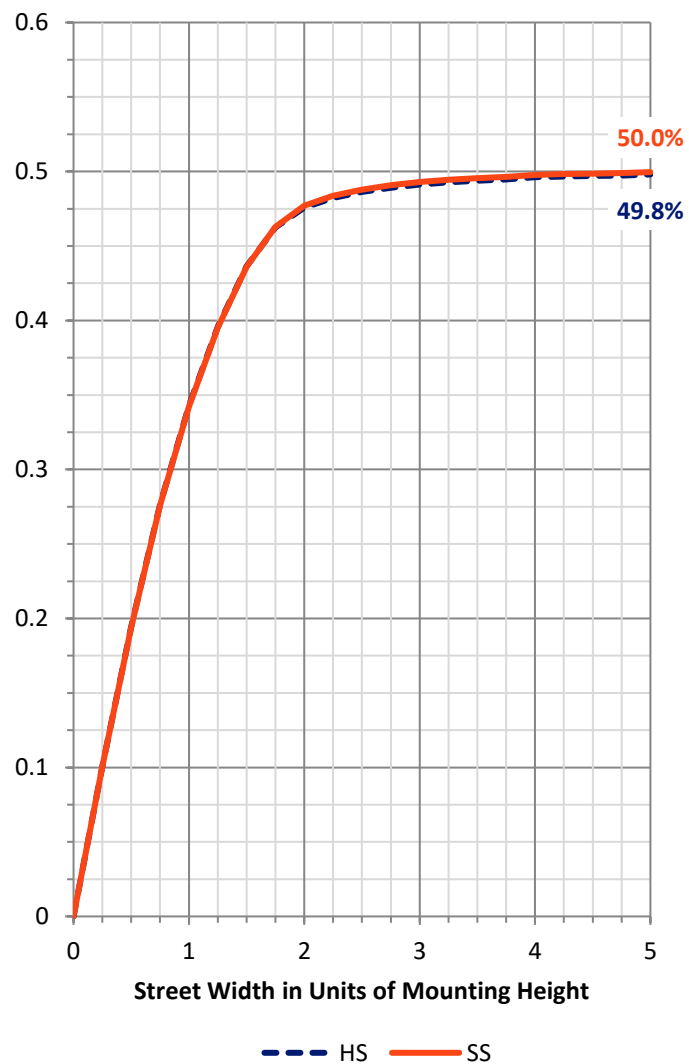
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14052.5	0.0	14052.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14052.5	0.0	14052.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28105.0	0.0	28105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.7	1.8
10°-20°	1521.8	5.4
20°-30°	2657.3	9.5
30°-40°	4244.0	15.1
40°-50°	5781.2	20.6
50°-60°	7817.8	27.8
60°-70°	4287.3	15.3
70°-80°	1096.8	3.9
80°-90°	187.1	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°	28105.0	100.0
0°-180°	28105.0	100.0

Coefficient of Utilization



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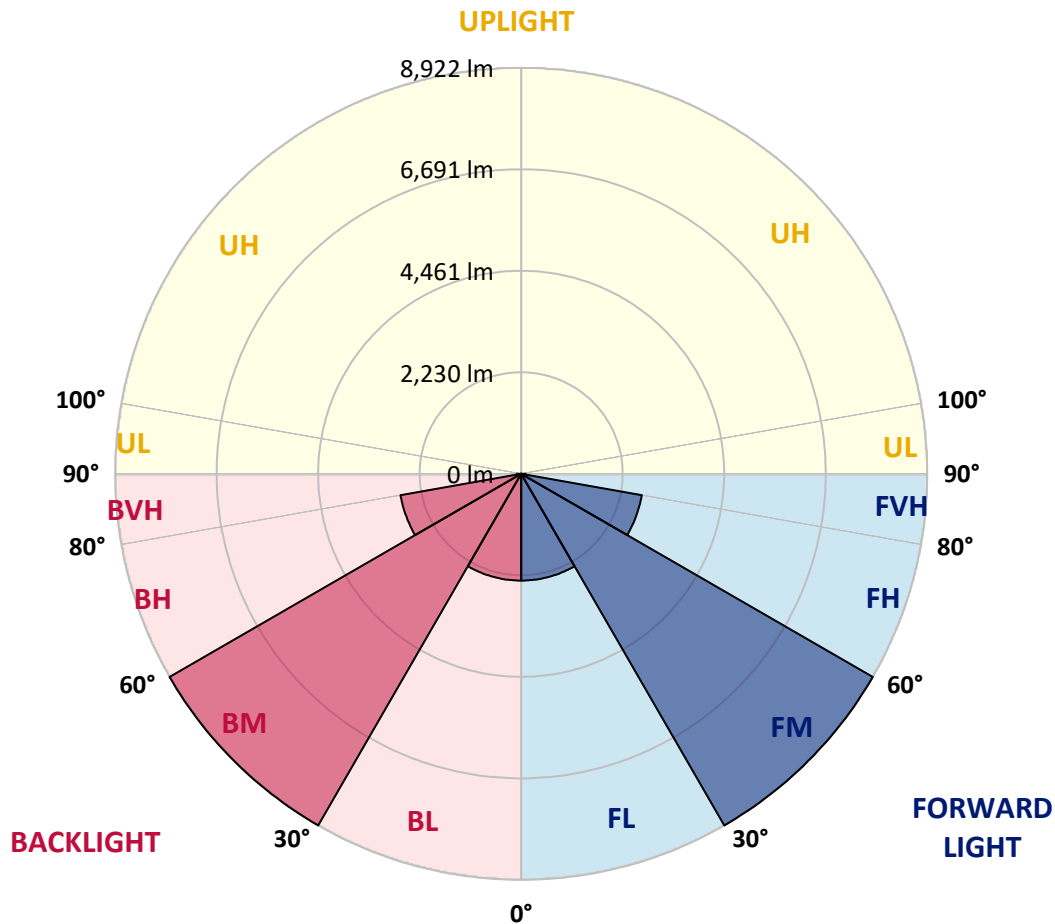
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2345.4	8.3			
FM	(30°-60°)	8921.5	31.7			
FH	(60°-80°)	2692.1	9.6			G2/5000
FVH	(80°-90°)	93.5	0.3			G1/100
BL	(0°-30°)	2345.4	8.3	B3/2500		
BM	(30°-60°)	8921.5	31.7	B5		
BH	(60°-80°)	2692.1	9.6	B4/5000		G2/5000
BVH	(80°-90°)	93.5	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°	5428.5	5428.5	5428.5	5428.5	5428.5	5428.5	5428.5	5428.5	5428.5	5428.5	5428.5
2.5°	5396.1	5435.7	5406.9	5432.1	5428.5	5417.7	5399.7	5388.9	5374.5	5396.1	5360.1
5°	5374.5	5406.9	5439.3	5396.1	5396.1	5374.5	5363.7	5342.1	5342.1	5338.5	5334.9
7.5°	5410.5	5378.1	5363.7	5370.9	5378.1	5331.3	5363.7	5320.5	5284.5	5309.7	5338.5
10°	5378.1	5392.5	5338.5	5363.7	5324.1	5331.3	5309.7	5338.5	5298.9	5298.9	5298.9
12.5°	5410.5	5370.9	5388.9	5370.9	5360.1	5298.9	5327.7	5295.3	5291.7	5327.7	5295.3
15°	5475.4	5410.5	5396.1	5360.1	5370.9	5370.9	5342.1	5345.7	5306.1	5327.7	5334.9
17.5°	5453.8	5417.7	5406.9	5363.7	5399.7	5410.5	5356.5	5320.5	5345.7	5342.1	5338.5
20°	5471.8	5486.2	5475.4	5482.6	5497.0	5468.2	5417.7	5367.3	5334.9	5381.7	5378.1
22.5°	5587.0	5572.6	5565.4	5558.2	5583.4	5612.3	5543.8	5464.6	5464.6	5497.0	5511.4
25°	5680.7	5677.1	5673.5	5705.9	5792.4	5792.4	5705.9	5605.1	5579.8	5601.4	5583.4
27.5°	5817.6	5857.2	5842.8	5900.4	6026.5	6055.3	5940.1	5821.2	5752.7	5727.5	5759.9
30°	6131.0	6084.1	6095.0	6156.2	6267.9	6361.5	6185.0	6058.9	5965.3	5961.7	5976.1
32.5°	6339.9	6375.9	6408.3	6466.0	6642.5	6714.5	6502.0	6296.7	6239.0	6206.6	6217.4
35°	6757.8	6725.3	6718.1	6775.8	6952.3	7071.2	6804.6	6624.5	6548.8	6620.9	6620.9
37.5°	7154.0	7063.9	6995.5	7071.2	7233.3	7247.7	7020.7	6923.5	6883.8	6966.7	6963.1
40°	7341.3	7334.1	7175.6	7218.8	7435.0	7456.6	7244.1	7128.8	7121.6	7229.7	7337.7
42.5°	7535.8	7467.4	7308.9	7337.7	7471.0	7478.2	7276.5	7244.1	7323.3	7427.8	7435.0
45°	7568.3	7510.6	7409.8	7337.7	7435.0	7456.6	7337.7	7359.3	7366.5	7492.6	7492.6
47.5°	7633.1	7625.9	7568.3	7514.2	7532.2	7514.2	7438.6	7471.0	7579.1	7640.3	7611.5
50°	7813.2	7737.6	7795.2	7748.4	7752.0	7802.4	7734.0	7766.4	7744.8	7690.7	7654.7
52.5°	8209.5	8173.4	8223.9	8256.3	8292.3	8407.6	8328.3	8155.4	7993.3	7849.2	7845.6
55°	8789.4	8814.6	8911.9	9077.6	9218.1	9401.8	9020.0	8605.7	8346.3	8119.4	8133.8
57.5°	9336.9	9318.9	9452.2	9830.5	10241.1	10334.8	9585.5	8994.7	8573.3	8429.2	8368.0
59°	8897.5	8983.9	9286.5	9708.0	10352.8	10489.7	9509.9	8677.7	8231.1	7939.3	7989.7
60°	8205.9	8238.3	8508.4	9095.6	9967.3	10201.5	9001.9	8187.8	7593.5	7424.2	7499.8
62.5°	5799.6	5774.4	5968.9	6448.0	7229.7	7546.6	6692.9	6120.2	5745.5	5558.2	5601.4
65°	3083.5	3198.8	3278.0	3577.0	3991.3	4326.3	3973.2	3724.7	3515.8	3360.9	3357.3
67.5°	2082.1	2067.7	2085.7	2154.1	2294.6	2388.3	2381.1	2255.0	2237.0	2208.2	2240.6
70°	1754.3	1747.1	1714.7	1714.7	1743.5	1765.1	1790.3	1804.7	1833.5	1869.6	1865.9
72.5°	1422.9	1404.9	1383.3	1372.4	1408.5	1419.3	1451.7	1466.1	1491.3	1487.7	1520.1
75°	940.2	940.2	965.4	994.2	1005.0	1026.6	1030.2	1073.5	1073.5	1080.7	1051.8
77.5°	525.9	511.5	529.5	558.3	583.6	623.2	662.8	695.2	713.2	706.0	706.0
80°	306.2	306.2	324.2	356.6	389.0	425.1	453.9	479.1	497.1	489.9	475.5
82.5°	190.9	190.9	208.9	241.3	266.6	288.2	327.8	360.2	381.8	374.6	356.6
85°	97.3	97.3	118.9	140.5	172.9	187.3	183.7	169.3	165.7	147.7	147.7
87.5°	25.2	25.2	36.0	39.6	32.4	36.0	36.0	36.0	36.0	36.0	39.6
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)