

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: P531086

Luminaire Tested: **GALN-SA6B-760-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531086
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-SA6B-760-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA 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: 28626 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

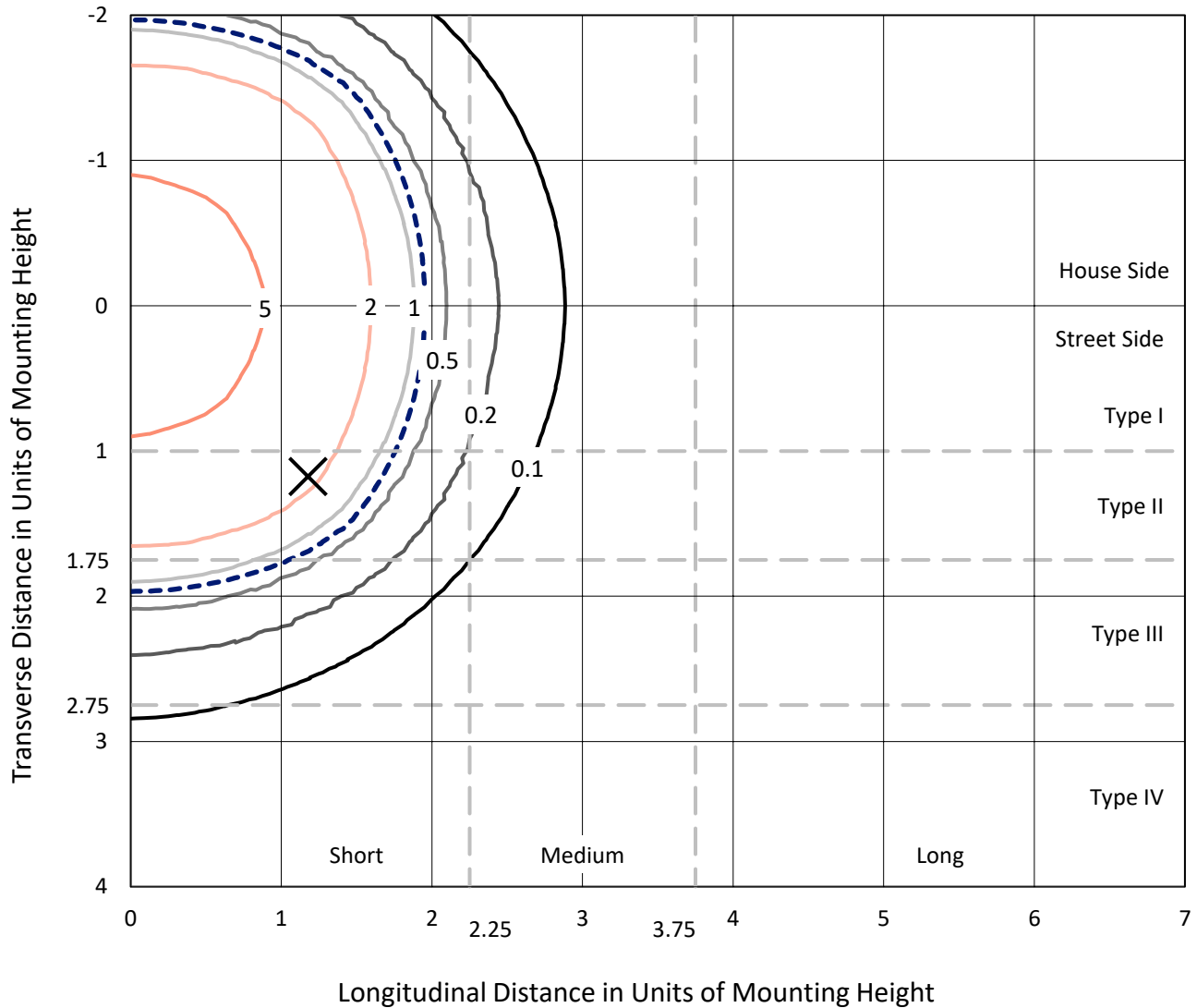
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

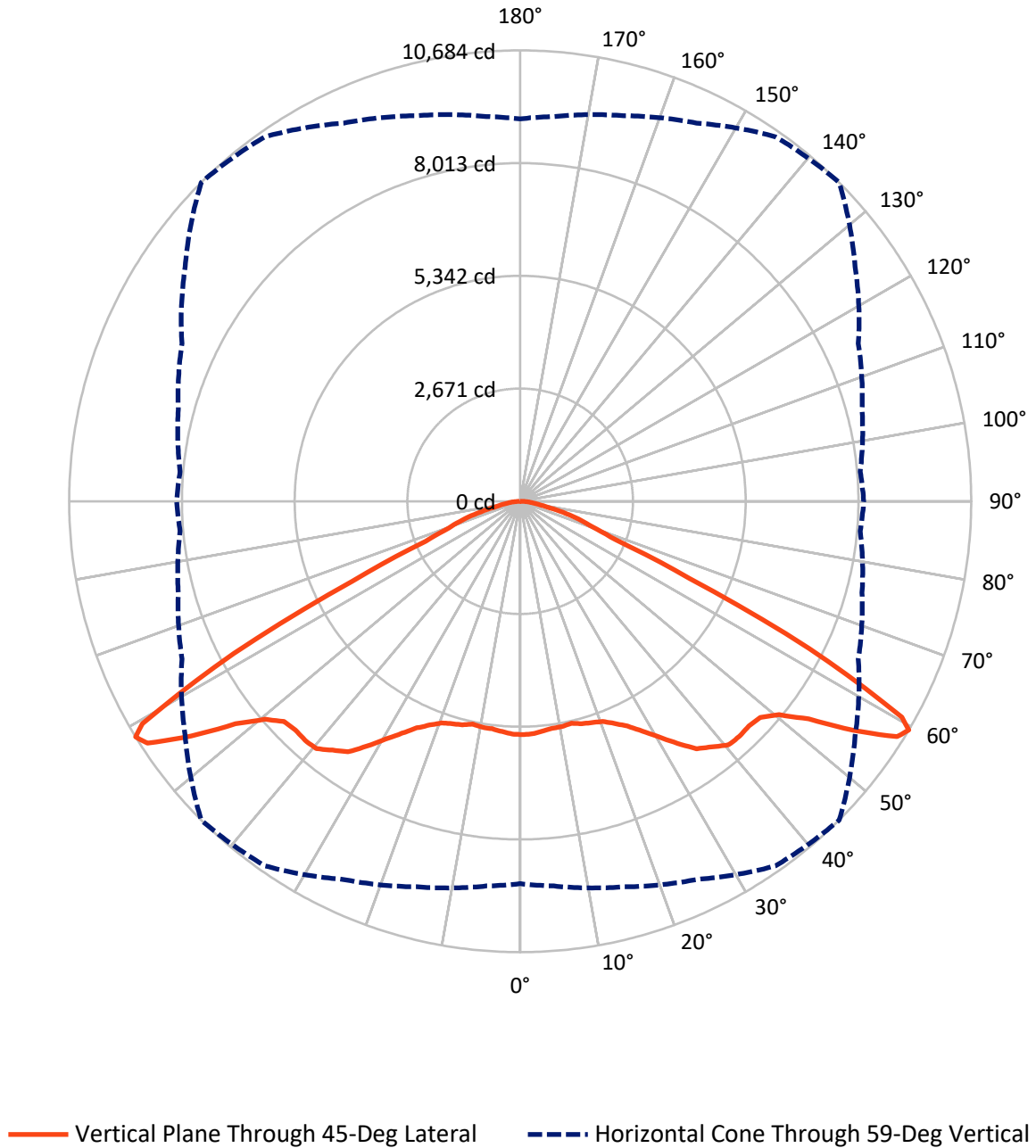
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	14313.0	0.0	14313.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14313.0	0.0	14313.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28626.0	0.0	28626.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.2	1.8
10°-20°	1550.0	5.4
20°-30°	2706.5	9.5
30°-40°	4322.7	15.1
40°-50°	5888.4	20.6
50°-60°	7962.7	27.8
60°-70°	4366.7	15.3
70°-80°	1117.1	3.9
80°-90°	190.5	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°	28626.0	100.0
0°-180°	28626.0	100.0

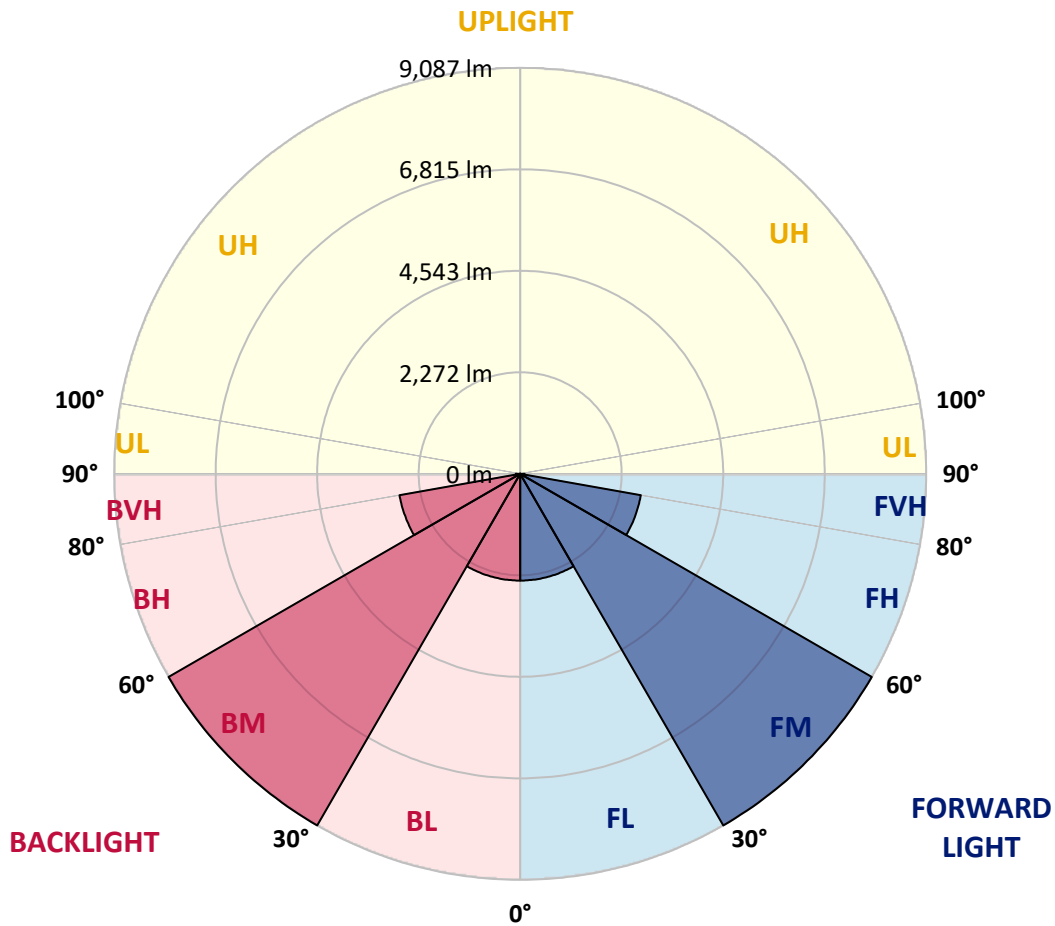


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2388.9	8.3			
FM (30°-60°)	9086.9	31.7			
FH (60°-80°)	2741.9	9.6			G2/5000
FVH (80°-90°)	95.3	0.3			G1/100
BL (0°-30°)	2388.9	8.3	B3/2500		
BM (30°-60°)	9086.9	31.7	B5		
BH (60°-80°)	2741.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	95.3	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°	5529.2	5529.2	5529.2	5529.2	5529.2	5529.2	5529.2	5529.2	5529.2	5529.2	5529.2
2.5°	5496.2	5536.5	5507.2	5532.8	5529.2	5518.2	5499.8	5488.8	5474.1	5496.2	5459.5
5°	5474.1	5507.2	5540.2	5496.2	5496.2	5474.1	5463.1	5441.1	5441.1	5437.4	5433.8
7.5°	5510.8	5477.8	5463.1	5470.5	5477.8	5430.1	5463.1	5419.1	5382.4	5408.1	5437.4
10°	5477.8	5492.5	5437.4	5463.1	5422.8	5430.1	5408.1	5437.4	5397.1	5397.1	5397.1
12.5°	5510.8	5470.5	5488.8	5470.5	5459.5	5397.1	5426.4	5393.4	5389.8	5426.4	5393.4
15°	5576.9	5510.8	5496.2	5459.5	5470.5	5470.5	5441.1	5444.8	5404.4	5426.4	5433.8
17.5°	5554.9	5518.2	5507.2	5463.1	5499.8	5510.8	5455.8	5419.1	5444.8	5441.1	5437.4
20°	5573.2	5587.9	5576.9	5584.2	5598.9	5569.5	5518.2	5466.8	5433.8	5481.5	5477.8
22.5°	5690.6	5675.9	5668.6	5661.3	5686.9	5716.3	5646.6	5565.9	5565.9	5598.9	5613.6
25°	5786.0	5782.3	5778.7	5811.7	5899.7	5899.7	5811.7	5709.0	5683.3	5705.3	5686.9
27.5°	5925.4	5965.8	5951.1	6009.8	6138.2	6167.6	6050.2	5929.1	5859.4	5833.7	5866.7
30°	6244.6	6196.9	6207.9	6270.3	6384.0	6479.4	6299.7	6171.2	6075.9	6072.2	6086.9
32.5°	6457.4	6494.1	6527.1	6585.8	6765.6	6839.0	6622.5	6413.4	6354.7	6321.7	6332.7
35°	6883.0	6850.0	6842.7	6901.4	7081.2	7202.2	6930.7	6747.3	6670.2	6743.6	6743.6
37.5°	7286.6	7194.9	7125.2	7202.2	7367.3	7382.0	7150.9	7051.8	7011.4	7095.8	7092.2
40°	7477.4	7470.1	7308.6	7352.7	7572.8	7594.8	7378.3	7260.9	7253.6	7363.7	7473.7
42.5°	7675.5	7605.8	7444.4	7473.7	7609.5	7616.8	7411.4	7378.3	7459.1	7565.5	7572.8
45°	7708.6	7649.9	7547.1	7473.7	7572.8	7594.8	7473.7	7495.8	7503.1	7631.5	7631.5
47.5°	7774.6	7767.3	7708.6	7653.5	7671.9	7653.5	7576.5	7609.5	7719.6	7781.9	7752.6
50°	7958.0	7881.0	7939.7	7892.0	7895.7	7947.0	7877.3	7910.4	7888.3	7833.3	7796.6
52.5°	8361.6	8324.9	8376.3	8409.3	8446.0	8563.4	8482.7	8306.6	8141.5	7994.7	7991.1
55°	8952.3	8978.0	9077.1	9245.9	9389.0	9576.1	9187.2	8765.2	8501.1	8269.9	8284.6
57.5°	9510.0	9491.7	9627.4	10012.7	10431.0	10526.3	9763.2	9161.5	8732.2	8585.4	8523.1
59°	9062.4	9150.5	9458.7	9887.9	10544.7	10684.1	9686.1	8838.6	8383.7	8086.5	8137.8
60°	8358.0	8391.0	8666.2	9264.2	10152.1	10390.6	9168.8	8339.6	7734.2	7561.8	7638.8
62.5°	5907.1	5881.4	6079.5	6567.5	7363.7	7686.5	6817.0	6233.6	5852.0	5661.3	5705.3
65°	3140.7	3258.1	3338.8	3643.3	4065.2	4406.5	4046.9	3793.7	3580.9	3423.2	3419.5
67.5°	2120.7	2106.0	2124.3	2194.1	2337.1	2432.5	2425.2	2296.8	2278.4	2249.1	2282.1
70°	1786.8	1779.5	1746.4	1746.4	1775.8	1797.8	1823.5	1838.2	1867.5	1904.2	1900.5
72.5°	1449.3	1430.9	1408.9	1397.9	1434.6	1445.6	1478.6	1493.3	1519.0	1515.3	1548.3
75°	957.6	957.6	983.3	1012.6	1023.6	1045.7	1049.3	1093.4	1093.4	1100.7	1071.3
77.5°	535.7	521.0	539.3	568.7	594.4	634.7	675.1	708.1	726.5	719.1	719.1
80°	311.9	311.9	330.2	363.2	396.3	432.9	462.3	488.0	506.3	499.0	484.3
82.5°	194.5	194.5	212.8	245.8	271.5	293.5	333.9	366.9	388.9	381.6	363.2
85°	99.1	99.1	121.1	143.1	176.1	190.8	187.1	172.4	168.8	150.4	150.4
87.5°	25.7	25.7	36.7	40.4	33.0	36.7	36.7	36.7	36.7	36.7	40.4
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)