

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: P532958

Luminaire Tested: **GALN-SA8B-760-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532958
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-SA8B-760-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 38982 lumens
Efficiency: N/A
Efficacy: 119.9 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

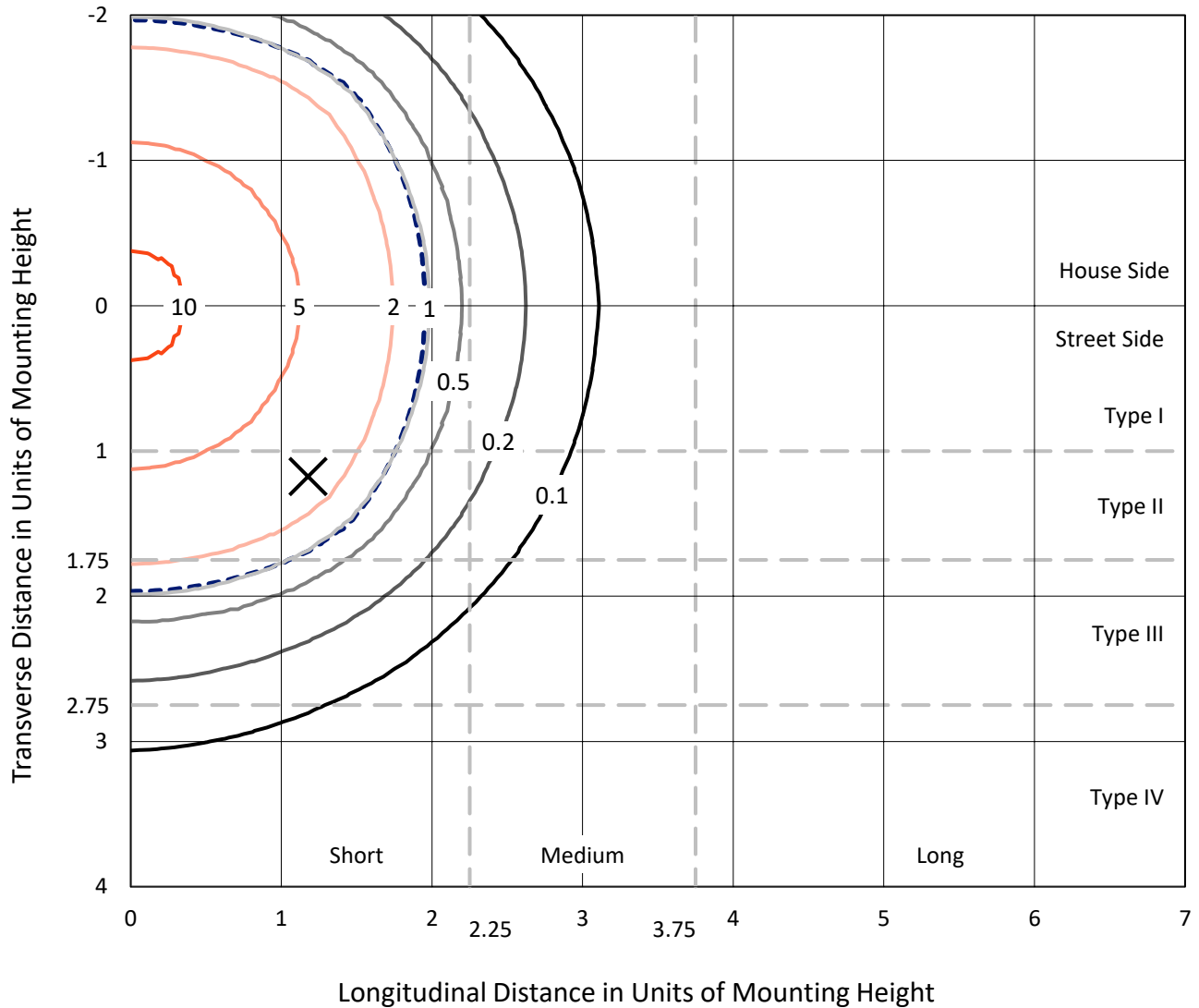
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

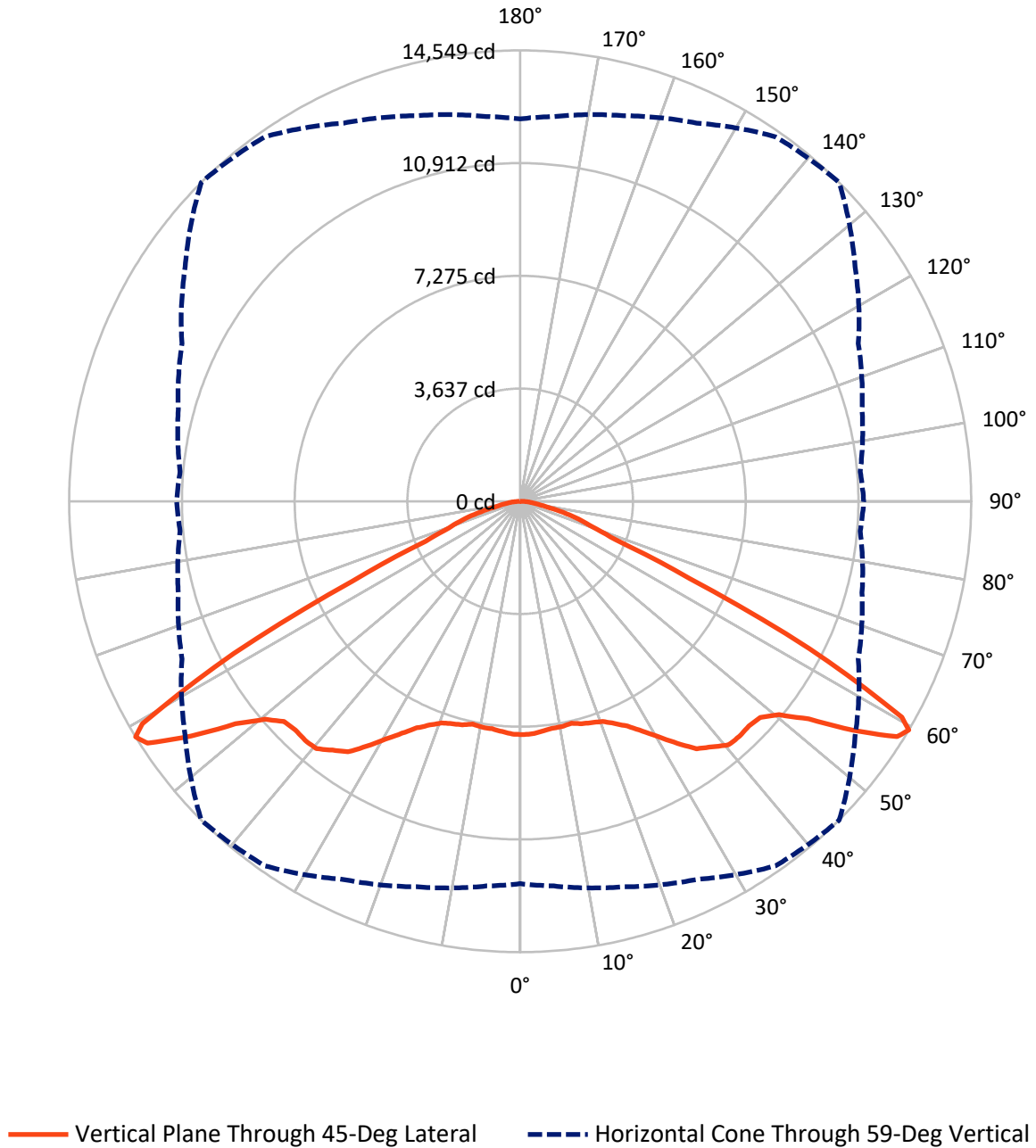
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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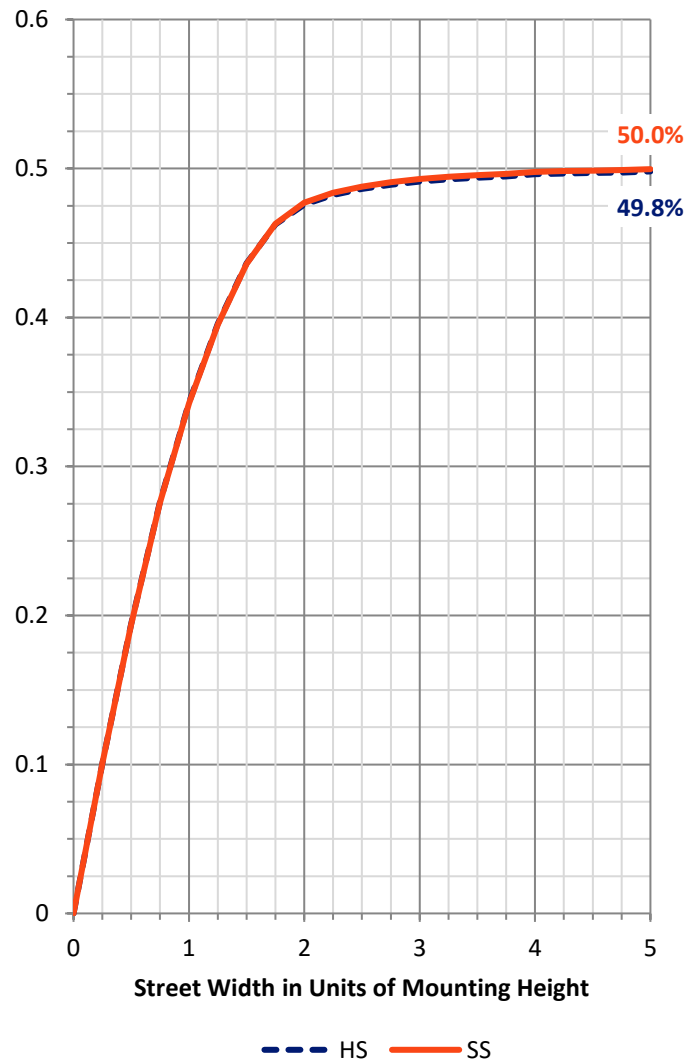
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19491.0	0.0	19491.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19491.0	0.0	19491.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38982.0	0.0	38982.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.8	1.8
10°-20°	2110.8	5.4
20°-30°	3685.7	9.5
30°-40°	5886.5	15.1
40°-50°	8018.6	20.6
50°-60°	10843.3	27.8
60°-70°	5946.5	15.3
70°-80°	1521.3	3.9
80°-90°	259.5	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°	38982.0	100.0
0°-180°	38982.0	100.0



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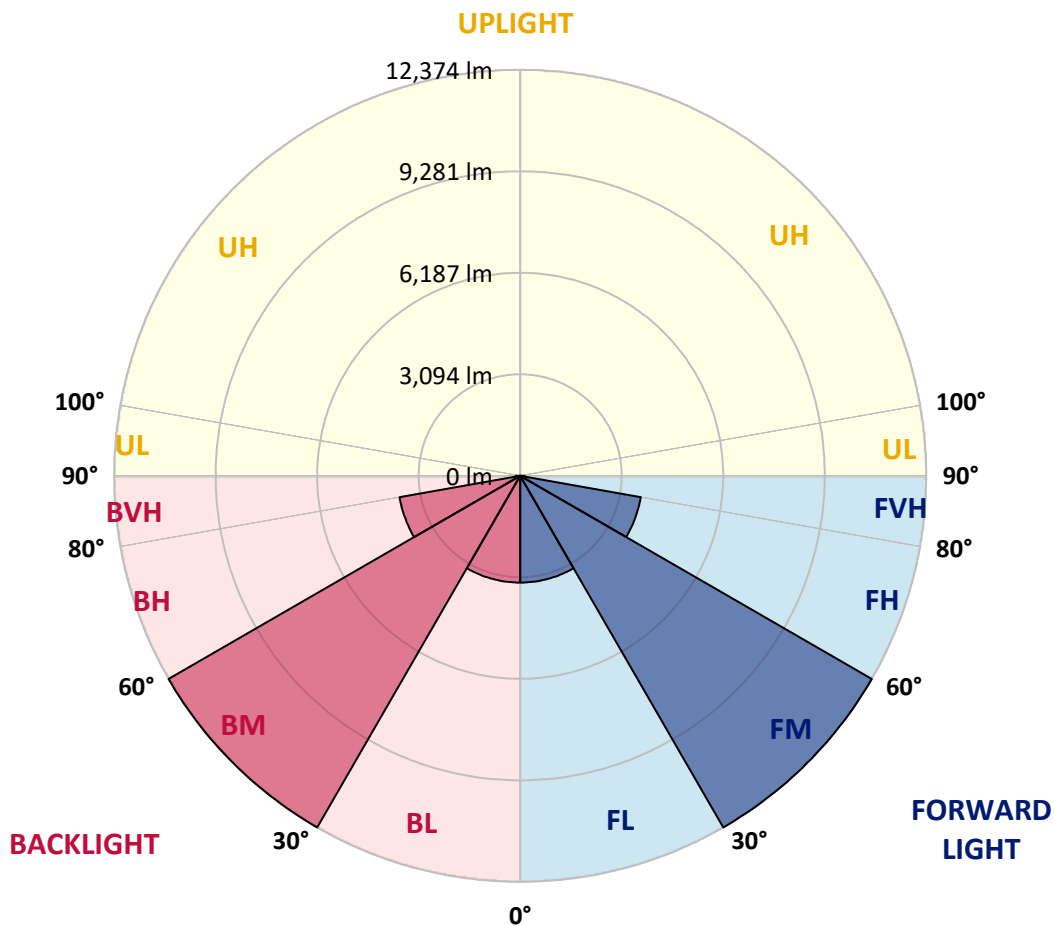
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3253.1	8.3			
FM (30°-60°)	12374.2	31.7			
FH (60°-80°)	3733.9	9.6			G2/5000
FVH (80°-90°)	129.7	0.3			G2/225
BL (0°-30°)	3253.1	8.3	B4/5000		
BM (30°-60°)	12374.2	31.7	B5		
BH (60°-80°)	3733.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	129.7	0.3			G2/225
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°	7529.5	7529.5	7529.5	7529.5	7529.5	7529.5	7529.5	7529.5	7529.5	7529.5	7529.5
2.5°	7484.5	7539.5	7499.5	7534.5	7529.5	7514.5	7489.5	7474.5	7454.5	7484.5	7434.5
5°	7454.5	7499.5	7544.4	7484.5	7484.5	7454.5	7439.5	7409.5	7409.5	7404.6	7399.6
7.5°	7504.5	7459.5	7439.5	7449.5	7459.5	7394.6	7439.5	7379.6	7329.6	7364.6	7404.6
10°	7459.5	7479.5	7404.6	7439.5	7384.6	7394.6	7364.6	7404.6	7349.6	7349.6	7349.6
12.5°	7504.5	7449.5	7474.5	7449.5	7434.5	7349.6	7389.6	7344.6	7339.6	7389.6	7344.6
15°	7594.4	7504.5	7484.5	7434.5	7449.5	7449.5	7409.5	7414.5	7359.6	7389.6	7399.6
17.5°	7564.4	7514.5	7499.5	7439.5	7489.5	7504.5	7429.5	7379.6	7414.5	7409.5	7404.6
20°	7589.4	7609.4	7594.4	7604.4	7624.4	7584.4	7514.5	7444.5	7399.6	7464.5	7459.5
22.5°	7749.3	7729.3	7719.3	7709.3	7744.3	7784.3	7689.3	7579.4	7579.4	7624.4	7644.4
25°	7879.2	7874.2	7869.2	7914.2	8034.1	8034.1	7914.2	7774.3	7739.3	7769.3	7744.3
27.5°	8069.1	8124.0	8104.0	8184.0	8358.8	8398.8	8238.9	8074.1	7979.1	7944.2	7989.1
30°	8503.7	8438.8	8453.8	8538.7	8693.6	8823.5	8578.7	8403.8	8273.9	8268.9	8288.9
32.5°	8793.5	8843.5	8888.5	8968.4	9213.2	9313.1	9018.4	8733.6	8653.6	8608.7	8623.7
35°	9373.1	9328.1	9318.1	9398.1	9642.9	9807.8	9438.1	9188.2	9083.3	9183.2	9183.2
37.5°	9922.7	9797.8	9702.9	9807.8	10032.6	10052.6	9737.8	9602.9	9548.0	9662.9	9657.9
40°	10182.5	10172.5	9952.7	10012.6	10312.4	10342.4	10047.6	9887.7	9877.7	10027.6	10177.5
42.5°	10452.3	10357.4	10137.5	10177.5	10362.4	10372.4	10092.6	10047.6	10157.5	10302.4	10312.4
45°	10497.3	10417.3	10277.4	10177.5	10312.4	10342.4	10177.5	10207.5	10217.5	10392.4	10392.4
47.5°	10587.2	10577.2	10497.3	10422.3	10447.3	10422.3	10317.4	10362.4	10512.3	10597.2	10557.2
50°	10837.0	10732.1	10812.0	10747.1	10752.1	10822.0	10727.1	10772.1	10742.1	10667.1	10617.2
52.5°	11386.6	11336.7	11406.6	11451.6	11501.5	11661.4	11551.5	11311.7	11086.8	10887.0	10882.0
55°	12191.0	12226.0	12360.9	12590.7	12785.6	13040.4	12510.8	11936.2	11576.5	11261.7	11281.7
57.5°	12950.5	12925.5	13110.4	13635.0	14204.5	14334.4	13295.2	12475.8	11891.2	11691.4	11606.5
59°	12340.9	12460.8	12880.5	13465.1	14359.4	14549.3	13190.3	12036.1	11416.6	11011.9	11081.8
60°	11381.6	11426.6	11801.3	12615.7	13824.8	14149.6	12485.8	11356.6	10532.2	10297.4	10402.3
62.5°	8044.1	8009.1	8278.9	8943.4	10027.6	10467.3	9283.2	8488.8	7969.1	7709.3	7769.3
65°	4276.9	4436.7	4546.7	4961.3	5535.9	6000.6	5510.9	5166.2	4876.4	4661.6	4656.6
67.5°	2887.9	2867.9	2892.9	2987.8	3182.7	3312.6	3302.6	3127.7	3102.7	3062.7	3107.7
70°	2433.2	2423.2	2378.2	2378.2	2418.2	2448.2	2483.2	2503.2	2543.1	2593.1	2588.1
72.5°	1973.5	1948.6	1918.6	1903.6	1953.6	1968.6	2013.5	2033.5	2068.5	2063.5	2108.4
75°	1304.0	1304.0	1339.0	1379.0	1394.0	1424.0	1428.9	1488.9	1488.9	1498.9	1458.9
77.5°	729.5	709.5	734.5	774.4	809.4	864.4	919.3	964.3	989.3	979.3	979.3
80°	424.7	424.7	449.7	494.6	539.6	589.6	629.5	664.5	689.5	679.5	659.5
82.5°	264.8	264.8	289.8	334.8	369.7	399.7	454.7	499.6	529.6	519.6	494.6
85°	134.9	134.9	164.9	194.9	239.8	259.8	254.8	234.8	229.8	204.8	204.8
87.5°	35.0	35.0	50.0	55.0	45.0	50.0	50.0	50.0	50.0	50.0	55.0
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)