

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: P532879

Luminaire Tested: **GALN-SA8B-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22327 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

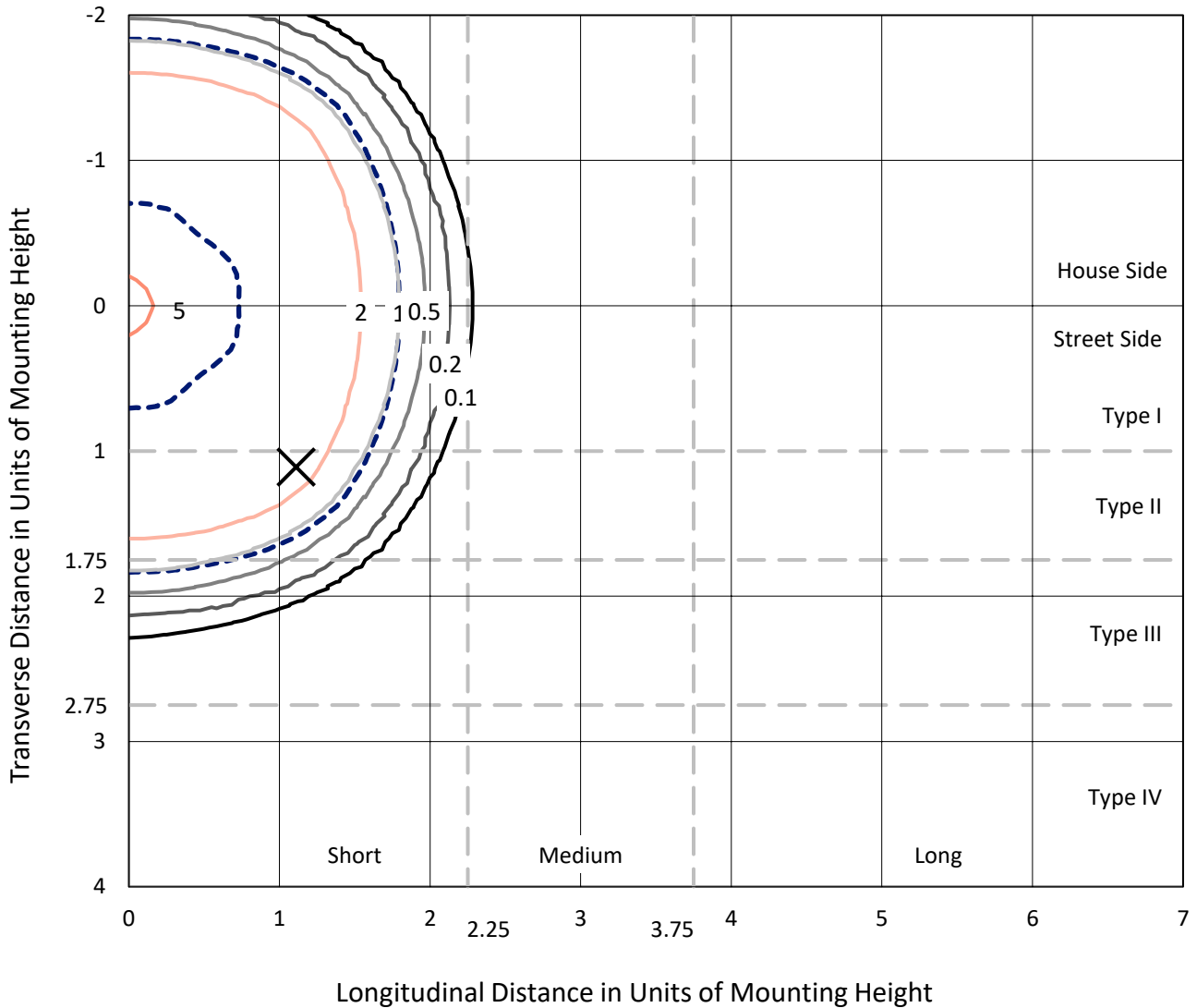
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

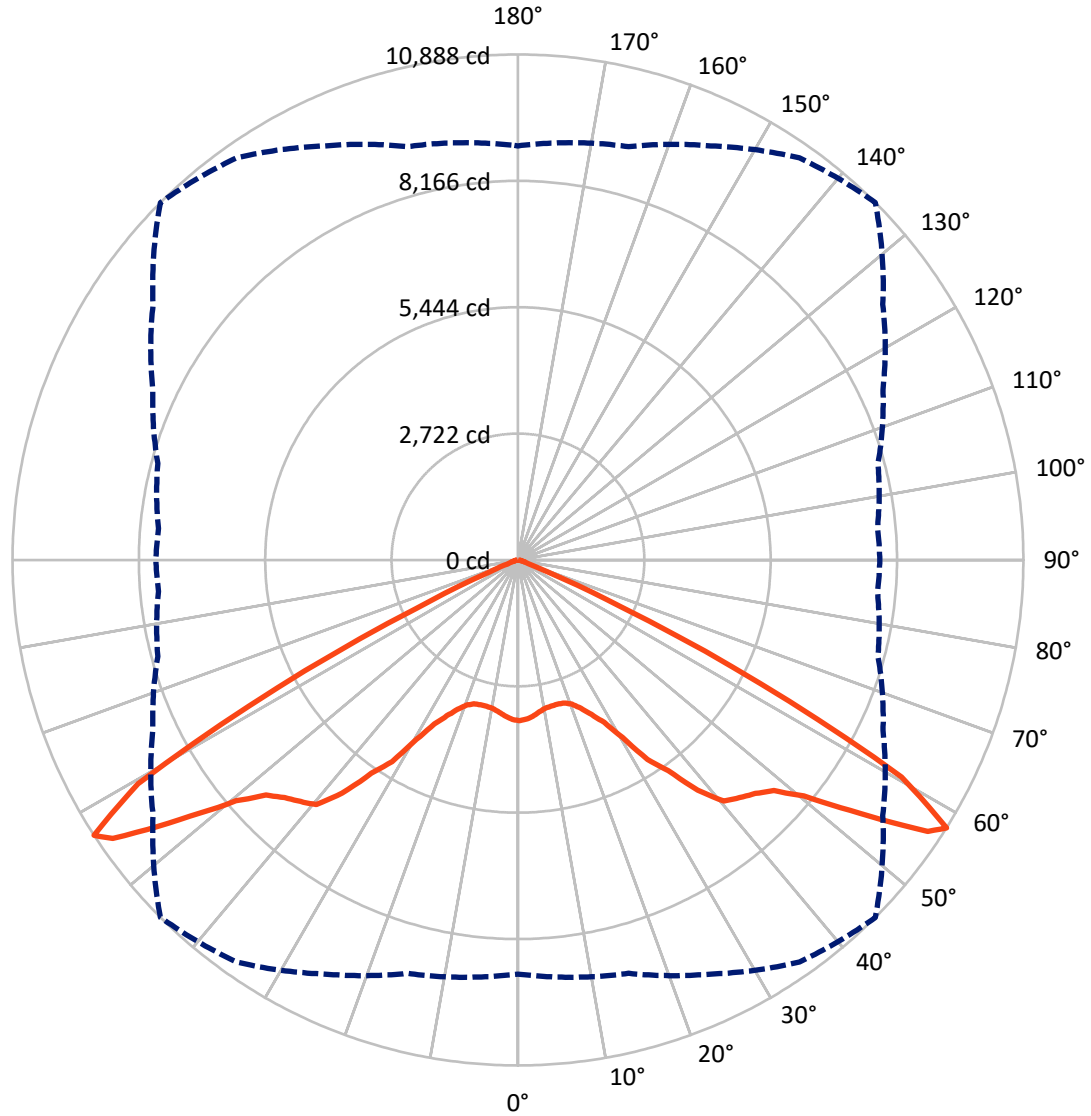
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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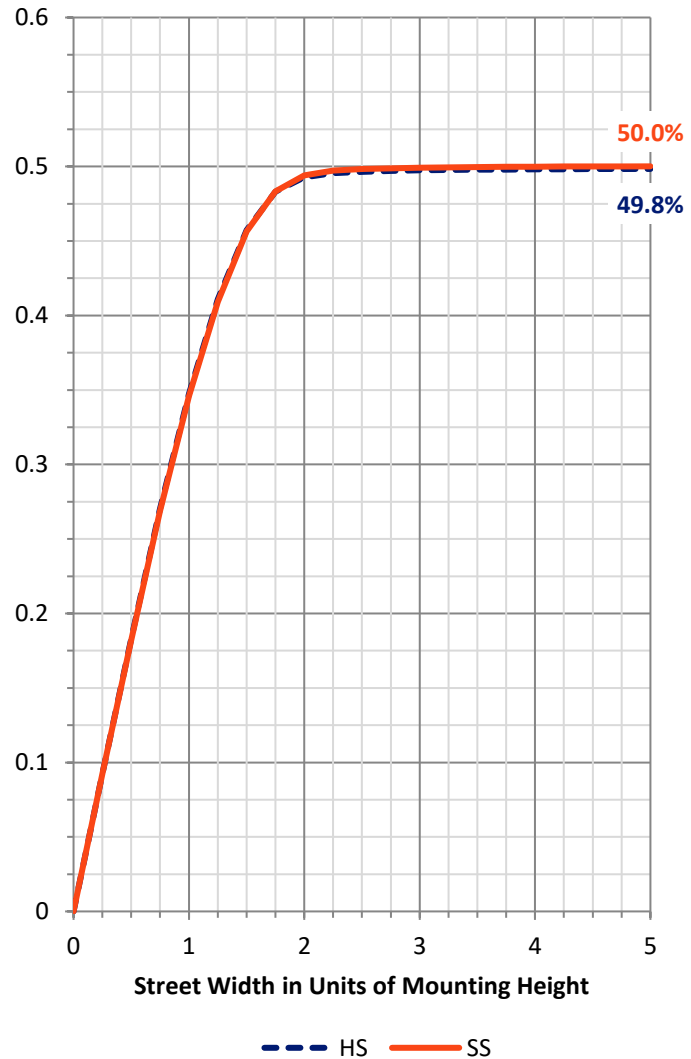
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11163.5	0.0	11163.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11163.5	0.0	11163.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22327.0	0.0	22327.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.2	1.4
10°-20°	919.9	4.1
20°-30°	1698.0	7.6
30°-40°	3339.3	15.0
40°-50°	5438.7	24.4
50°-60°	7756.3	34.7
60°-70°	2685.4	12.0
70°-80°	144.1	0.6
80°-90°	27.1	0.1
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°	22327.0	100.0
0°-180°	22327.0	100.0

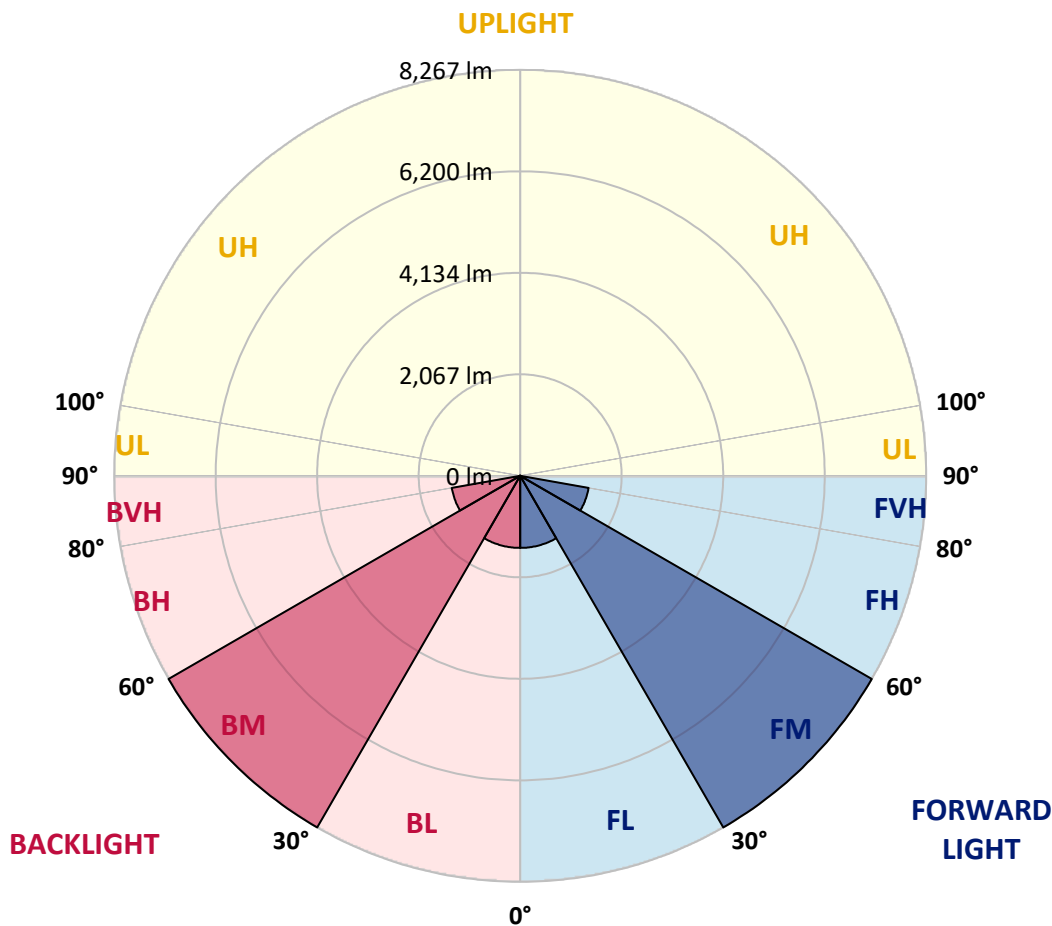


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1468.0	6.6			
FM (30°-60°)	8267.2	37.0			
FH (60°-80°)	1414.7	6.3			G1/1800
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	1468.0	6.6	B3/2500		
BM (30°-60°)	8267.2	37.0	B4/8500		
BH (60°-80°)	1414.7	6.3	B3/2500		G1/1800
BVH (80°-90°)	13.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3463.2	3463.2	3463.2	3463.2	3463.2	3463.2	3463.2	3463.2	3463.2	3463.2	3463.2
2.5°	3453.8	3472.5	3449.2	3439.9	3435.2	3435.2	3421.3	3421.3	3416.6	3421.3	3402.6
5°	3398.0	3416.6	3416.6	3411.9	3384.0	3379.4	3365.4	3356.1	3360.7	3342.1	3356.1
7.5°	3342.1	3356.1	3337.5	3332.8	3323.5	3304.9	3300.2	3258.3	3263.0	3263.0	3272.3
10°	3332.8	3328.2	3300.2	3277.0	3249.0	3244.4	3230.4	3221.1	3221.1	3216.4	3230.4
12.5°	3332.8	3309.5	3304.9	3253.7	3207.1	3225.8	3188.5	3165.2	3197.8	3207.1	3225.8
15°	3328.2	3351.4	3272.3	3249.0	3216.4	3221.1	3188.5	3165.2	3183.9	3193.2	3207.1
17.5°	3356.1	3342.1	3318.9	3272.3	3258.3	3239.7	3197.8	3179.2	3179.2	3202.5	3207.1
20°	3430.6	3393.3	3346.8	3323.5	3337.5	3314.2	3263.0	3193.2	3211.8	3230.4	3244.4
22.5°	3500.4	3472.5	3439.9	3425.9	3505.0	3467.8	3379.4	3300.2	3272.3	3304.9	3328.2
25°	3635.4	3635.4	3574.9	3593.5	3681.9	3686.6	3584.2	3444.5	3425.9	3439.9	3449.2
27.5°	3910.0	3924.0	3872.8	3891.4	3928.6	3961.2	3872.8	3756.4	3714.5	3709.9	3723.8
30°	4207.9	4235.8	4231.2	4310.3	4417.4	4436.0	4305.7	4114.8	3989.1	3965.9	3984.5
32.5°	4598.9	4612.9	4603.6	4696.7	4985.3	5120.3	4780.5	4510.5	4342.9	4384.8	4342.9
35°	5334.4	5320.4	5218.0	5236.6	5474.0	5571.8	5245.9	5073.7	4994.6	5078.4	5059.7
37.5°	5967.4	5916.2	5832.4	5953.5	6200.2	6288.6	5948.8	5646.2	5501.9	5641.6	5702.1
40°	6502.7	6372.4	6256.0	6377.0	6707.5	6828.6	6330.5	6083.8	6027.9	6130.3	6260.7
42.5°	6954.2	6870.4	6716.8	6726.1	6944.9	7000.8	6600.5	6456.2	6400.3	6563.2	6628.4
45°	7275.4	7196.3	7052.0	7042.7	7210.2	7173.0	6814.6	6716.8	6749.4	6856.5	6889.1
47.5°	7438.3	7480.2	7396.4	7419.7	7508.1	7419.7	7135.8	7135.8	7061.3	7126.5	7093.9
50°	7908.5	7778.1	7885.2	7885.2	7978.3	7987.6	7703.7	7601.2	7401.1	7289.4	7289.4
52.5°	8457.7	8467.0	8508.9	8662.5	8820.8	8955.8	8550.8	8113.3	7778.1	7633.8	7615.2
55°	8909.2	9002.3	9169.9	9458.5	9914.7	10100.9	9402.6	8620.6	8211.0	7987.6	7941.0
56°	9155.9	9067.5	9356.1	9751.8	10347.6	10589.6	9542.3	8723.0	8271.5	8020.2	8015.5
57.5°	8918.5	9016.3	9216.5	9840.2	10571.0	10887.5	9593.5	8676.5	8029.5	7773.5	7796.7
60°	7042.7	7135.8	7405.7	8104.0	9249.0	9495.7	8117.9	7154.4	6577.2	6209.5	6214.1
62.5°	3984.5	4054.3	4263.8	4910.8	5623.0	5860.4	5059.7	4417.4	4017.1	3812.3	3747.1
65°	1466.3	1438.3	1470.9	1801.4	2238.9	2439.1	2104.0	1778.1	1568.7	1494.2	1466.3
67.5°	549.3	507.4	474.8	507.4	637.7	674.9	619.1	516.7	484.1	498.1	507.4
70°	339.8	321.2	256.0	242.0	237.4	232.7	246.7	260.7	297.9	349.1	358.4
72.5°	237.4	223.4	181.5	172.2	162.9	158.3	181.5	200.2	232.7	270.0	274.6
75°	93.1	97.8	93.1	102.4	107.1	111.7	130.3	144.3	158.3	158.3	153.6
77.5°	18.6	18.6	27.9	37.2	46.5	60.5	88.4	102.4	107.1	102.4	88.4
80°	0.0	0.0	9.3	18.6	37.2	51.2	79.1	88.4	97.8	88.4	69.8
82.5°	0.0	0.0	9.3	23.3	37.2	46.5	74.5	93.1	107.1	97.8	74.5
85°	0.0	0.0	9.3	18.6	27.9	32.6	32.6	23.3	23.3	14.0	9.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)