

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: P532987

Luminaire Tested: **GALN-SA8B-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21828 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

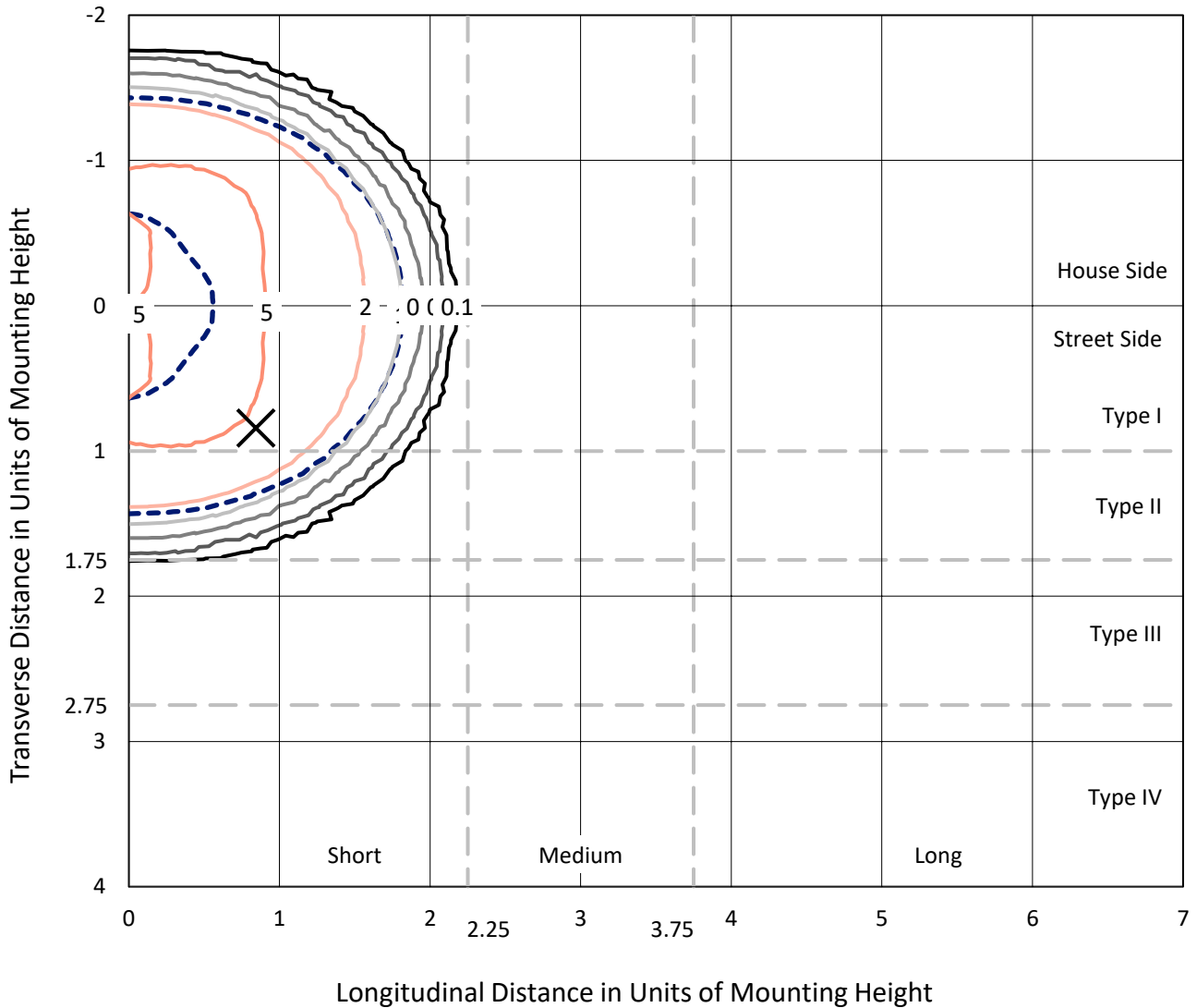
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

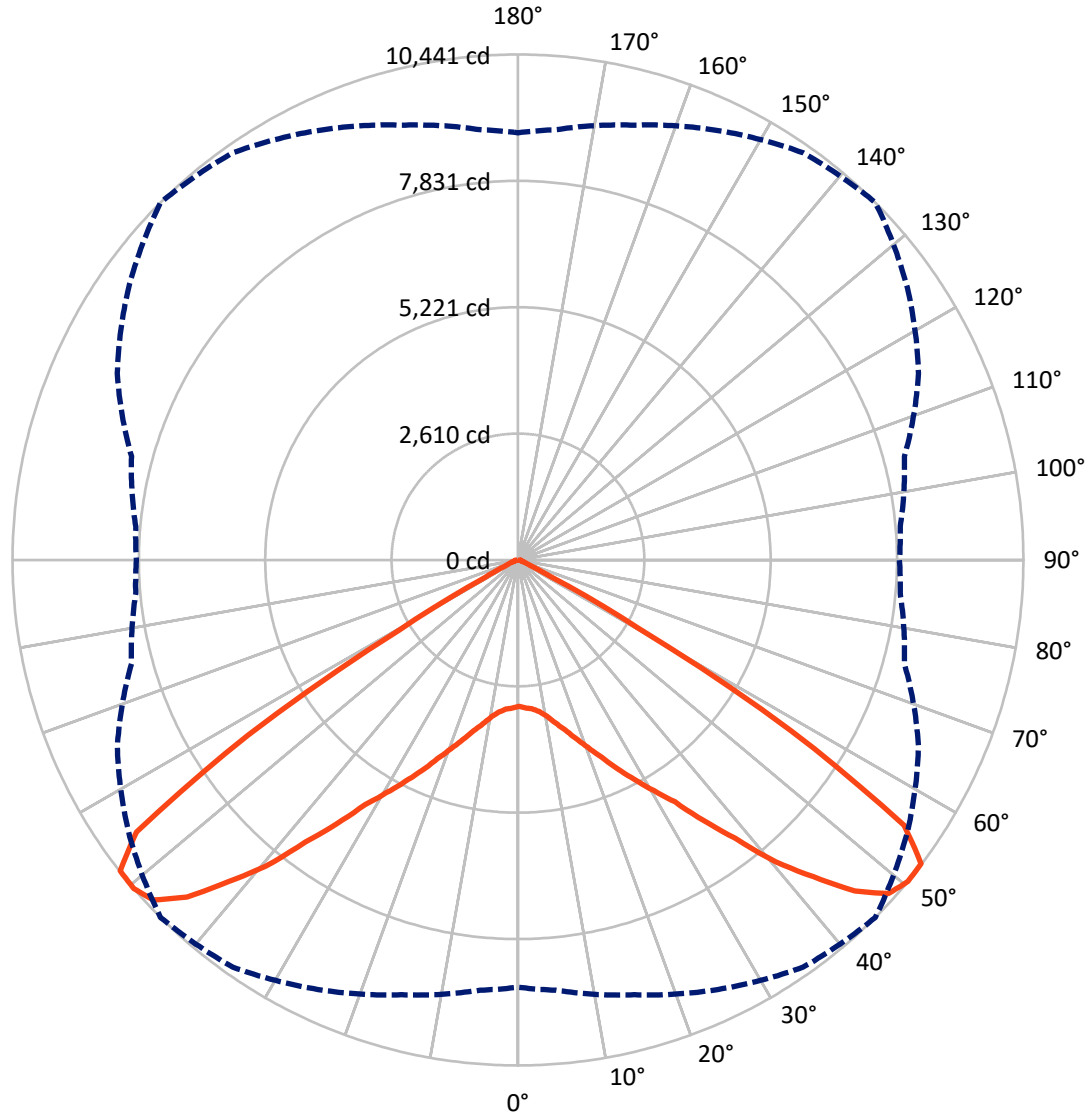
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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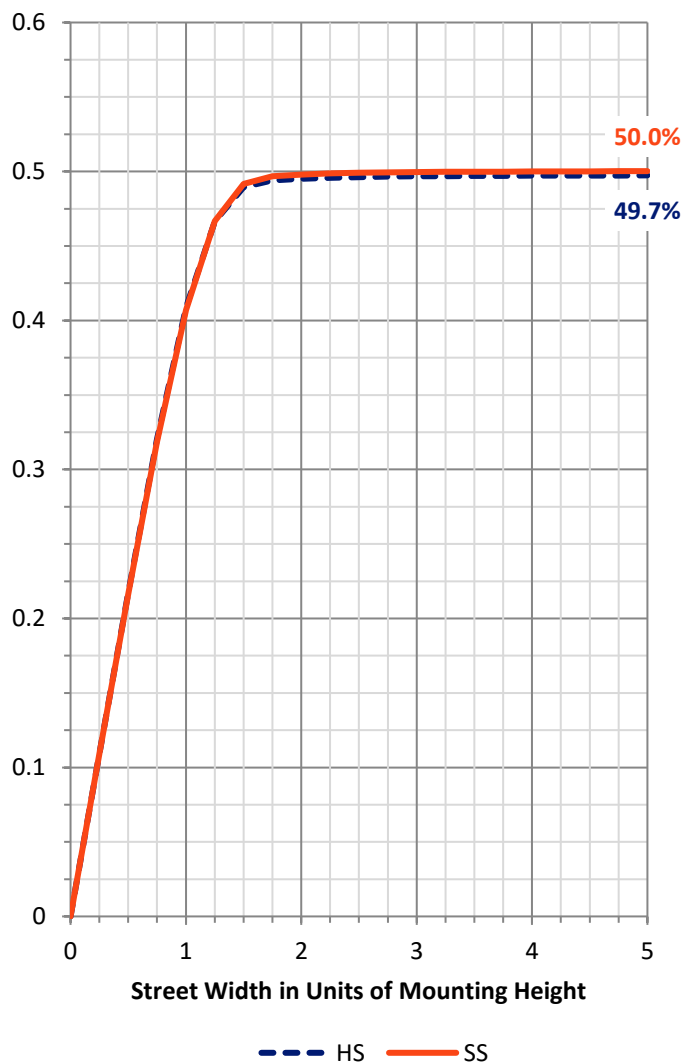
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10914.0	0.0	10914.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10914.0	0.0	10914.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21828.0	0.0	21828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.1	1.4
10°-20°	1037.6	4.8
20°-30°	2119.3	9.7
30°-40°	4041.4	18.5
40°-50°	6810.4	31.2
50°-60°	6494.9	29.8
60°-70°	906.7	4.2
70°-80°	86.7	0.4
80°-90°	30.0	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°	21828.0	100.0
0°-180°	21828.0	100.0

Coefficient of Utilization



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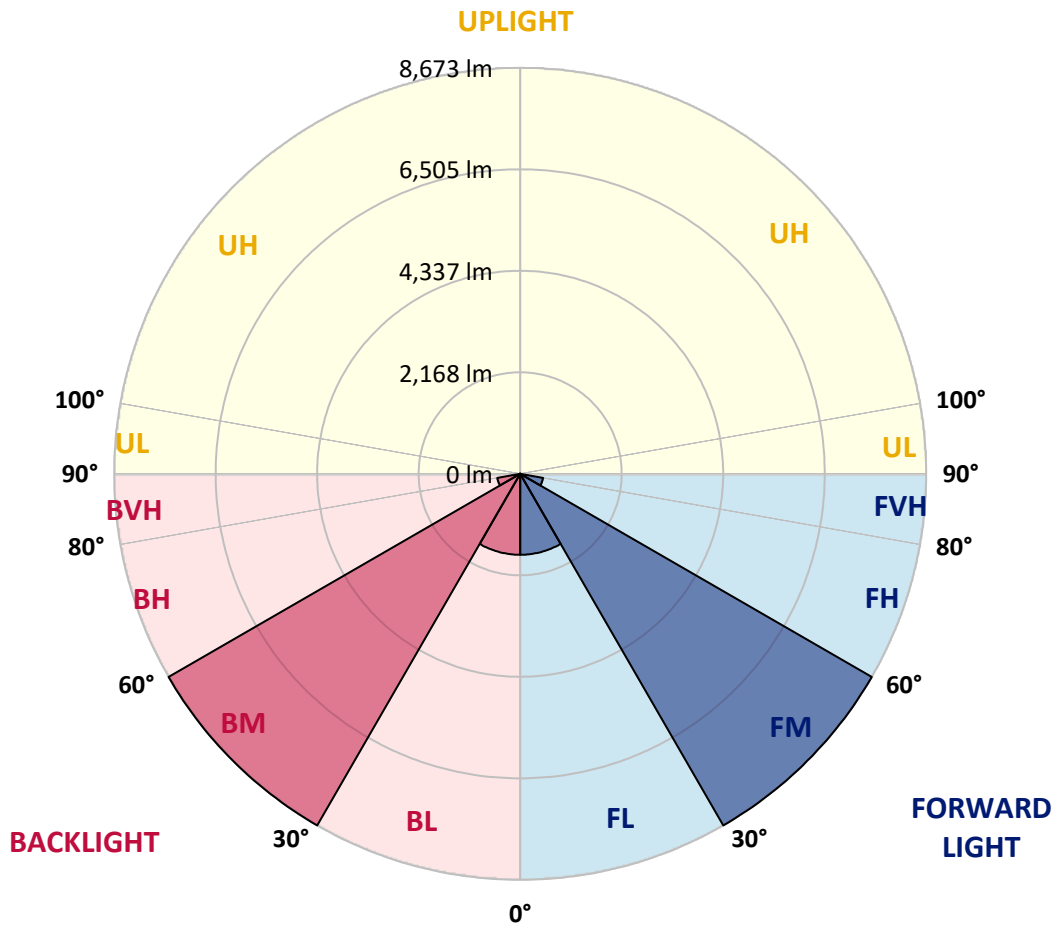
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1729.0	7.9			
FM (30°-60°)	8673.4	39.7			
FH (60°-80°)	496.7	2.3			G0/660
FVH (80°-90°)	15.0	0.1			G1/100
BL (0°-30°)	1729.0	7.9	B3/2500		
BM (30°-60°)	8673.4	39.7	B5		
BH (60°-80°)	496.7	2.3	B1/500		G0/660
BVH (80°-90°)	15.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2
2.5°	3015.2	3015.2	3011.5	3040.9	3026.2	3059.3	3055.6	3066.6	3077.6	3074.0	3103.3
5°	2989.5	2985.8	2985.8	3018.9	3051.9	3088.6	3121.7	3143.7	3180.5	3180.5	3217.2
7.5°	3015.2	2996.8	3022.5	3037.2	3099.7	3162.1	3217.2	3261.3	3345.7	3375.1	3364.1
10°	3022.5	3044.6	3062.9	3107.0	3184.1	3279.6	3327.4	3437.5	3533.0	3599.1	3613.8
12.5°	3070.3	3103.3	3154.8	3261.3	3331.0	3455.9	3522.0	3628.5	3760.7	3834.2	3885.6
15°	3162.1	3173.1	3239.2	3375.1	3525.7	3639.5	3742.4	3819.5	3948.0	4032.5	4036.2
17.5°	3279.6	3327.4	3419.2	3547.7	3705.6	3874.6	3955.4	4039.8	4087.6	4201.4	4227.1
20°	3514.7	3522.0	3610.2	3779.1	3977.4	4131.7	4190.4	4234.5	4216.1	4333.7	4355.7
22.5°	3735.0	3742.4	3852.5	4080.2	4293.3	4425.5	4451.2	4425.5	4370.4	4454.8	4462.2
25°	3959.0	4025.2	4106.0	4333.7	4598.1	4774.4	4778.0	4708.3	4594.4	4609.1	4645.8
27.5°	4307.9	4355.7	4440.2	4649.5	4939.6	5137.9	5104.9	5020.4	4873.5	4884.5	4873.5
30°	4715.6	4759.7	4829.5	5097.6	5310.6	5527.2	5575.0	5494.2	5273.8	5226.1	5281.2
32.5°	5207.7	5270.2	5398.7	5644.8	5824.7	5956.9	5990.0	5960.6	5754.9	5736.6	5773.3
35°	5806.4	5890.8	6008.4	6225.0	6371.9	6610.7	6610.7	6511.5	6324.2	6346.2	6342.6
37.5°	6438.0	6562.9	6746.5	6966.9	7165.2	7293.8	7253.4	7168.9	6981.6	6933.8	6981.6
40°	7231.3	7293.8	7525.1	7811.6	8054.0	8200.9	8028.3	7844.6	7396.6	7466.4	7594.9
42.5°	7954.8	8054.0	8230.3	8546.1	8821.6	8942.8	8737.1	8373.5	7833.6	7778.5	7874.0
45°	8571.8	8678.3	8909.7	9361.4	9651.6	9758.1	9302.7	8715.1	8098.1	7958.5	7998.9
47.5°	8983.1	9038.2	9361.4	9791.1	10055.5	10297.9	9644.2	8950.1	8222.9	7958.5	7943.8
50°	8825.2	8920.7	9299.0	9787.4	10268.6	10441.2	9816.8	9130.1	8263.3	7925.4	7881.4
52.5°	7837.3	8002.6	8424.9	9082.3	9809.5	10426.5	10055.5	9071.3	8248.6	7958.5	8024.6
55°	5453.8	5457.5	5971.6	6941.2	8226.6	9680.9	9706.6	9137.4	8344.1	8164.2	8167.8
57.5°	2192.5	2302.7	2695.7	3668.9	4855.2	6647.4	7903.4	8476.3	8355.1	8311.1	8424.9
60°	554.6	558.2	679.4	1035.7	1707.8	2849.9	4139.0	5600.7	6449.1	6739.2	6779.6
62.5°	282.8	286.5	315.8	367.3	466.4	763.9	1358.9	2155.8	3066.6	3529.4	3650.6
65°	231.4	231.4	249.7	275.4	279.1	293.8	352.6	503.1	730.8	830.0	841.0
67.5°	176.3	176.3	191.0	205.7	213.0	209.3	202.0	209.3	253.4	242.4	235.0
70°	110.2	113.9	121.2	135.9	143.2	146.9	150.6	157.9	180.0	187.3	180.0
72.5°	66.1	66.1	69.8	80.8	91.8	99.2	110.2	117.5	128.5	146.9	143.2
75°	29.4	29.4	36.7	47.7	58.8	69.8	80.8	91.8	99.2	110.2	113.9
77.5°	7.3	11.0	18.4	33.1	44.1	58.8	73.5	84.5	91.8	91.8	88.1
80°	3.7	3.7	14.7	25.7	47.7	62.4	80.8	88.1	99.2	91.8	80.8
82.5°	3.7	3.7	14.7	25.7	44.1	62.4	84.5	95.5	102.8	91.8	77.1
85°	0.0	3.7	11.0	22.0	36.7	44.1	36.7	25.7	14.7	14.7	11.0
87.5°	0.0	0.0	3.7	3.7	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)