

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: P648579

Luminaire Tested: **GALN-SA8B-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648579
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-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 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: 18766.9 lumens
Efficiency: N/A
Efficacy: 57.7 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

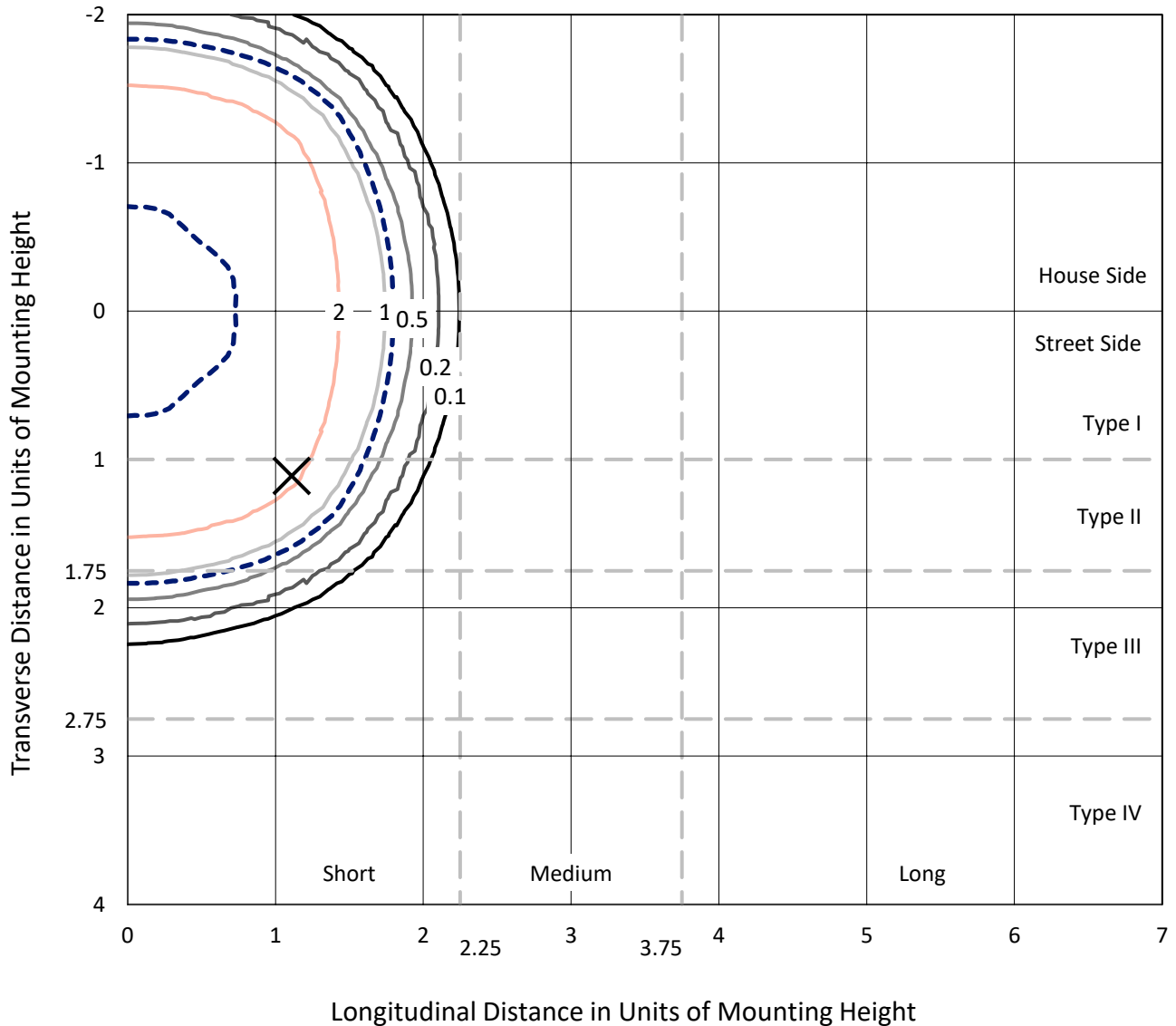
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

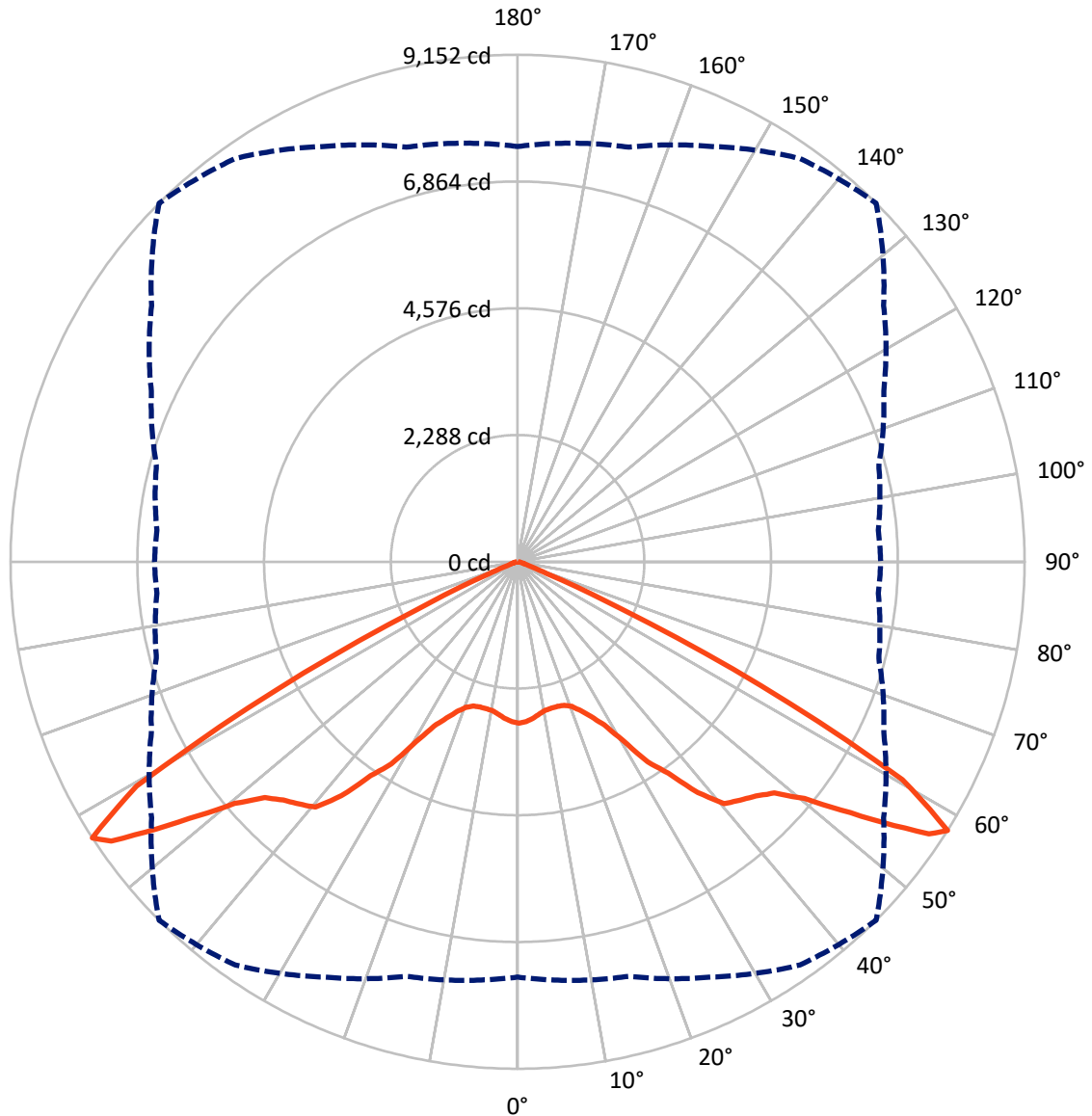
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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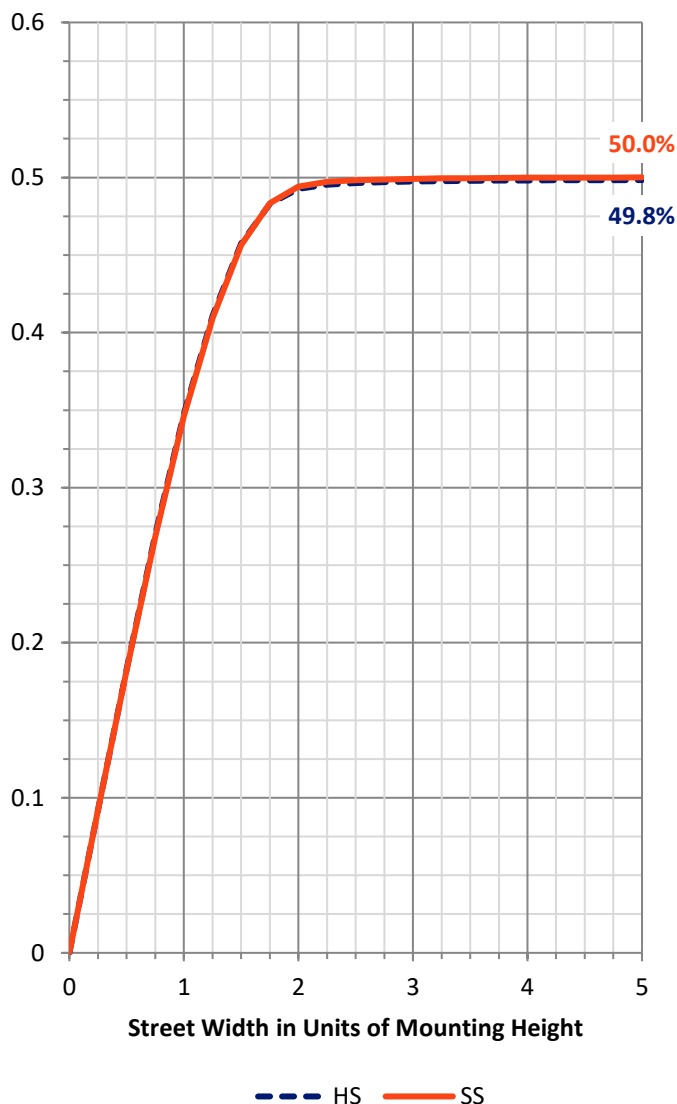
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9383.5	0.0	9383.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9383.5	0.0	9383.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18766.9	0.0	18766.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.5	1.4
10°-20°	773.2	4.1
20°-30°	1427.2	7.6
30°-40°	2806.8	15.0
40°-50°	4571.5	24.4
50°-60°	6519.6	34.7
60°-70°	2257.2	12.0
70°-80°	121.1	0.6
80°-90°	22.7	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°	18766.9	100.0
0°-180°	18766.9	100.0

Coefficient of Utilization

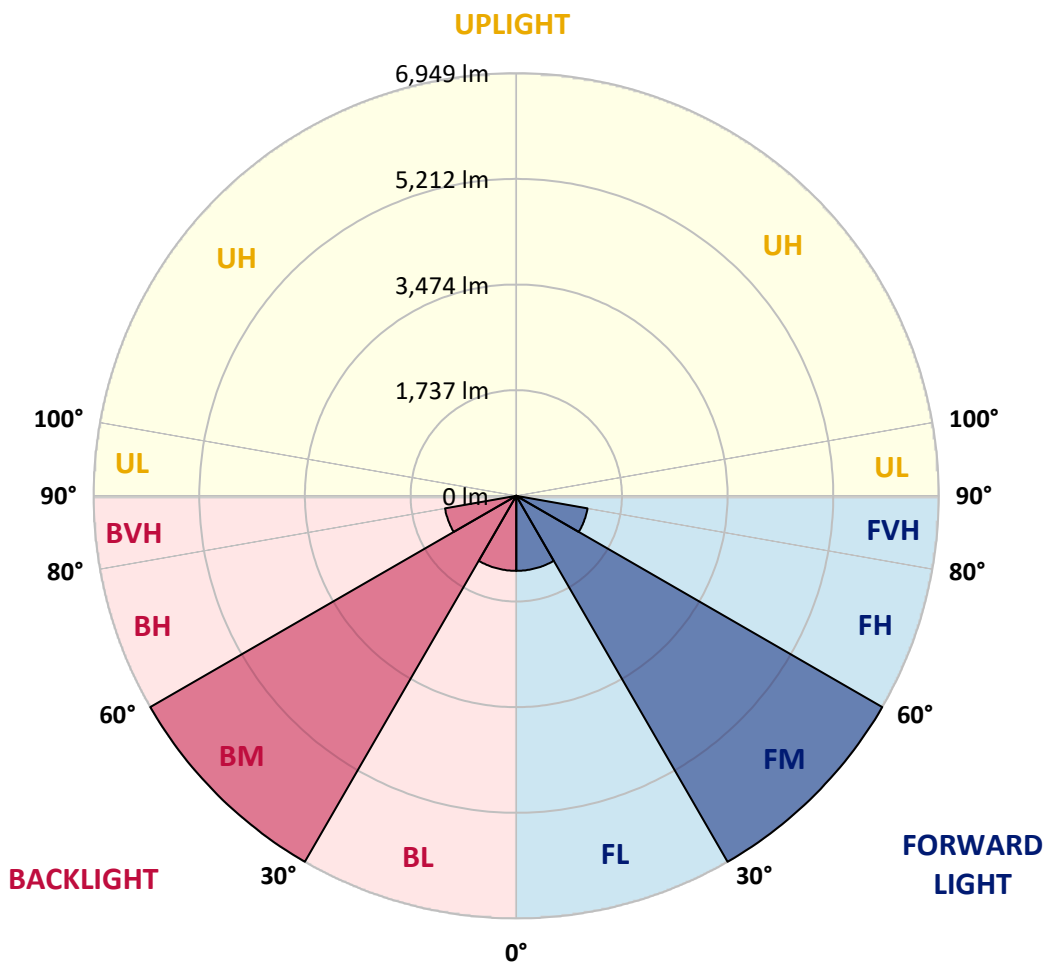


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1234.0	6.6			
FM (30°-60°)	6949.0	37.0			
FH (60°-80°)	1189.2	6.3			G1/1800
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	1234.0	6.6	B3/2500		
BM (30°-60°)	6949.0	37.0	B4/8500		
BH (60°-80°)	1189.2	6.3	B3/2500		G1/1800
BVH (80°-90°)	11.4	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°	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0
2.5°	2903.1	2918.8	2899.2	2891.4	2887.5	2887.5	2875.7	2875.7	2871.8	2875.7	2860.1
5°	2856.1	2871.8	2871.8	2867.9	2844.4	2840.5	2828.8	2821.0	2824.9	2809.2	2821.0
7.5°	2809.2	2821.0	2805.3	2801.4	2793.6	2777.9	2774.0	2738.8	2742.7	2742.7	2750.5
10°	2801.4	2797.5	2774.0	2754.4	2730.9	2727.0	2715.3	2707.5	2707.5	2703.6	2715.3
12.5°	2801.4	2781.8	2777.9	2734.9	2695.8	2711.4	2680.1	2660.6	2688.0	2695.8	2711.4
15°	2797.5	2817.1	2750.5	2730.9	2703.6	2707.5	2680.1	2660.6	2676.2	2684.0	2695.8
17.5°	2821.0	2809.2	2789.7	2750.5	2738.8	2723.1	2688.0	2672.3	2672.3	2691.9	2695.8
20°	2883.6	2852.2	2813.2	2793.6	2805.3	2785.8	2742.7	2684.0	2699.7	2715.3	2727.0
22.5°	2942.3	2918.8	2891.4	2879.6	2946.2	2914.9	2840.5	2774.0	2750.5	2777.9	2797.5
25°	3055.7	3055.7	3004.8	3020.5	3094.8	3098.7	3012.7	2895.3	2879.6	2891.4	2899.2
27.5°	3286.6	3298.3	3255.2	3270.9	3302.2	3329.6	3255.2	3157.4	3122.2	3118.3	3130.0
30°	3537.0	3560.5	3556.5	3623.0	3713.1	3728.6	3619.1	3458.7	3353.0	3333.5	3349.1
32.5°	3865.6	3877.3	3869.5	3947.8	4190.4	4303.8	4018.2	3791.3	3650.4	3685.7	3650.4
35°	4483.8	4472.0	4386.0	4401.6	4601.1	4683.4	4409.5	4264.7	4198.2	4268.6	4252.9
37.5°	5015.9	4972.9	4902.4	5004.2	5211.6	5285.9	5000.2	4745.9	4624.6	4742.0	4792.9
40°	5465.9	5356.3	5258.5	5360.2	5638.0	5739.7	5321.1	5113.7	5066.8	5152.8	5262.4
42.5°	5845.4	5774.9	5645.8	5653.7	5837.6	5884.5	5548.0	5426.7	5379.8	5516.7	5571.5
45°	6115.3	6048.8	5927.5	5919.7	6060.6	6029.3	5728.0	5645.8	5673.2	5763.2	5790.6
47.5°	6252.3	6287.5	6217.1	6236.6	6311.0	6236.6	5997.9	5997.9	5935.4	5990.1	5962.8
50°	6647.4	6537.9	6627.9	6627.9	6706.2	6714.0	6475.3	6389.2	6221.0	6127.1	6127.1
52.5°	7109.2	7116.9	7152.2	7281.3	7414.3	7527.8	7187.4	6819.6	6537.9	6416.6	6400.9
55°	7488.7	7566.9	7707.8	7950.3	8333.8	8490.3	7903.4	7246.0	6901.8	6714.0	6674.8
56°	7696.0	7621.6	7864.3	8196.8	8697.6	8901.1	8020.7	7332.2	6952.6	6741.3	6737.4
57.5°	7496.4	7578.7	7746.8	8271.1	8885.4	9151.5	8063.8	7293.0	6749.1	6534.0	6553.6
60°	5919.7	5997.9	6224.9	6811.8	7774.3	7981.7	6823.5	6013.6	5528.4	5219.4	5223.3
62.5°	3349.1	3407.9	3583.9	4127.7	4726.3	4925.9	4252.9	3713.1	3376.5	3204.4	3149.6
65°	1232.4	1209.0	1236.4	1514.2	1881.9	2050.2	1768.5	1494.6	1318.6	1255.9	1232.4
67.5°	461.7	426.5	399.1	426.5	536.0	567.3	520.4	434.3	406.9	418.7	426.5
70°	285.6	270.0	215.2	203.4	199.5	195.6	207.3	219.1	250.4	293.5	301.3
72.5°	199.5	187.8	152.6	144.8	136.9	133.0	152.6	168.3	195.6	226.9	230.8
75°	78.2	82.1	78.2	86.1	90.0	93.9	109.5	121.3	133.0	133.0	129.1
77.5°	15.7	15.7	23.5	31.3	39.2	50.9	74.3	86.1	90.0	86.1	74.3
80°	0.0	0.0	7.8	15.7	31.3	43.1	66.5	74.3	82.1	74.3	58.7
82.5°	0.0	0.0	7.8	19.6	31.3	39.2	62.6	78.2	90.0	82.1	62.6
85°	0.0	0.0	7.8	15.7	23.5	27.4	27.4	19.6	19.6	11.7	7.8
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)