

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: P646978

Luminaire Tested: **GALN-SA6C-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19590.6 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

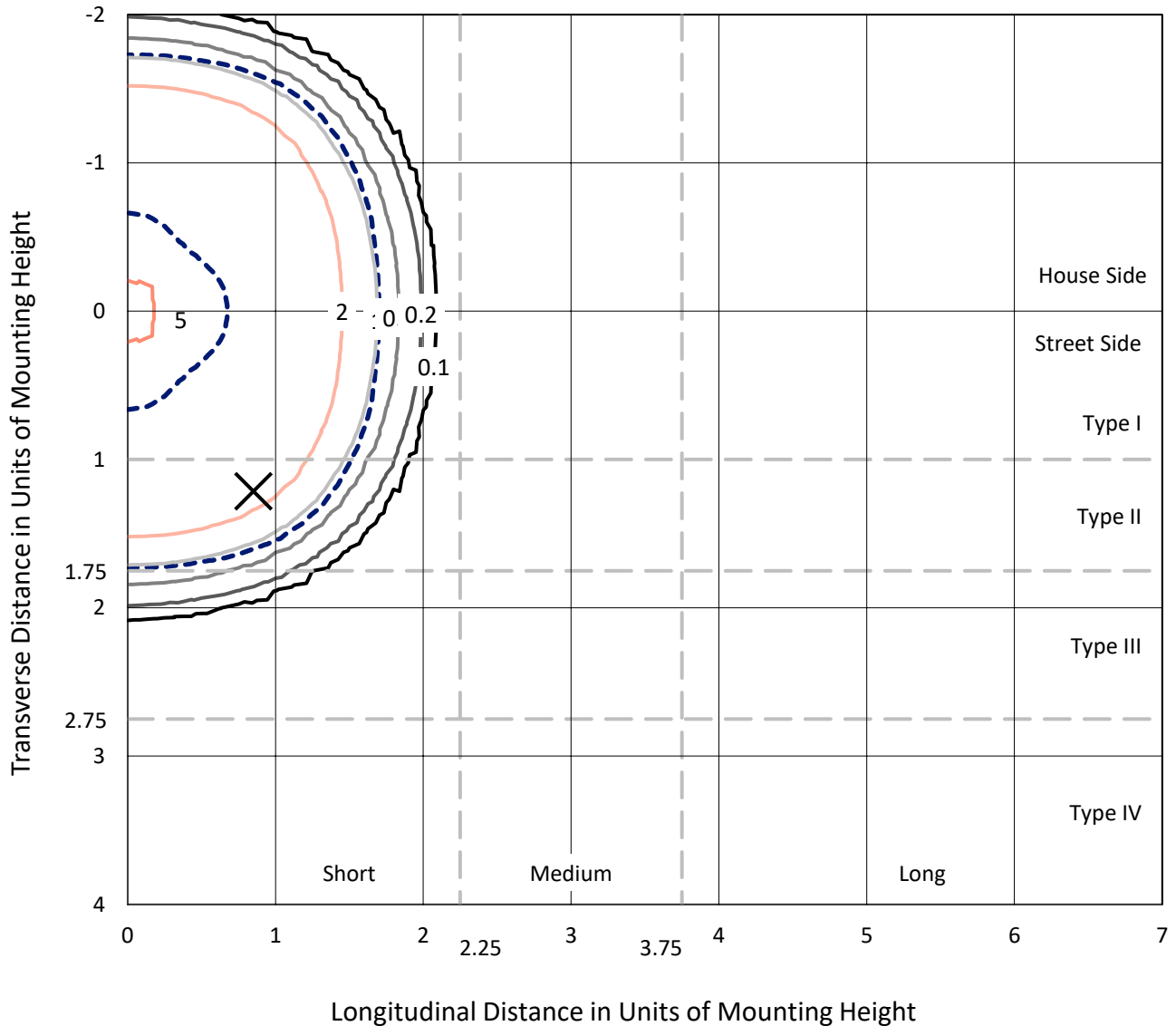
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

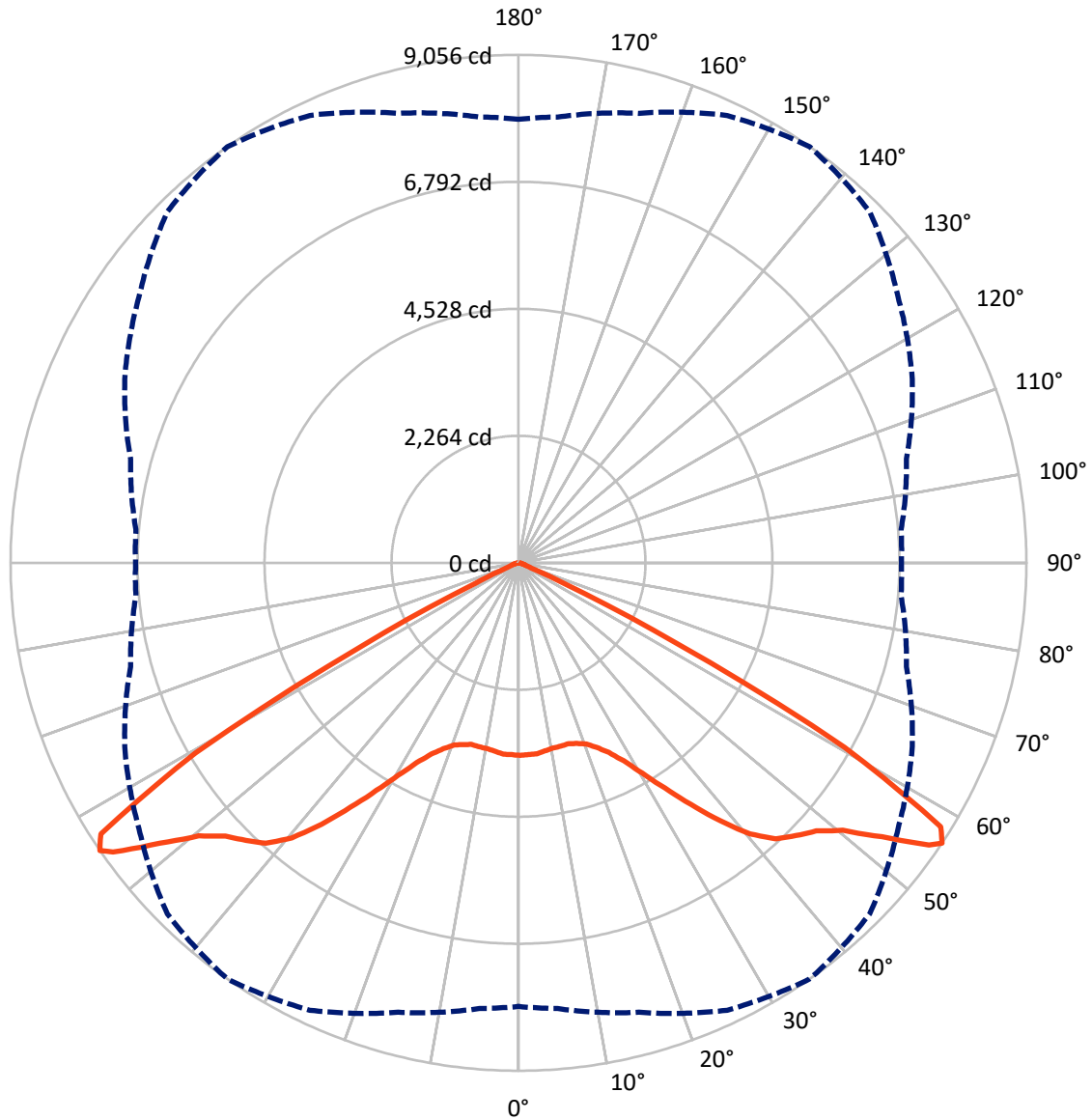
× Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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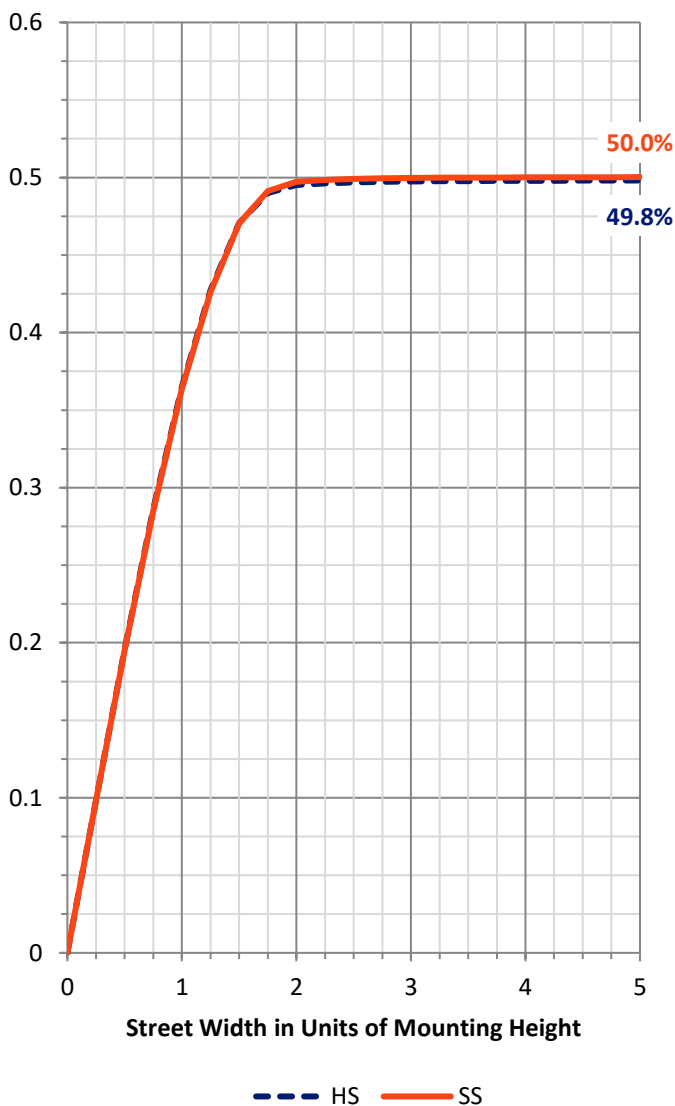
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9795.3	0.0	9795.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9795.3	0.0	9795.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	19590.6	0.0	19590.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	1.6
10°-20°	941.9	4.8
20°-30°	1705.6	8.7
30°-40°	3162.9	16.1
40°-50°	5191.6	26.5
50°-60°	6688.4	34.1
60°-70°	1474.1	7.5
70°-80°	85.5	0.4
80°-90°	18.0	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°	19590.6	100.0
0°-180°	19590.6	100.0

Coefficient of Utilization



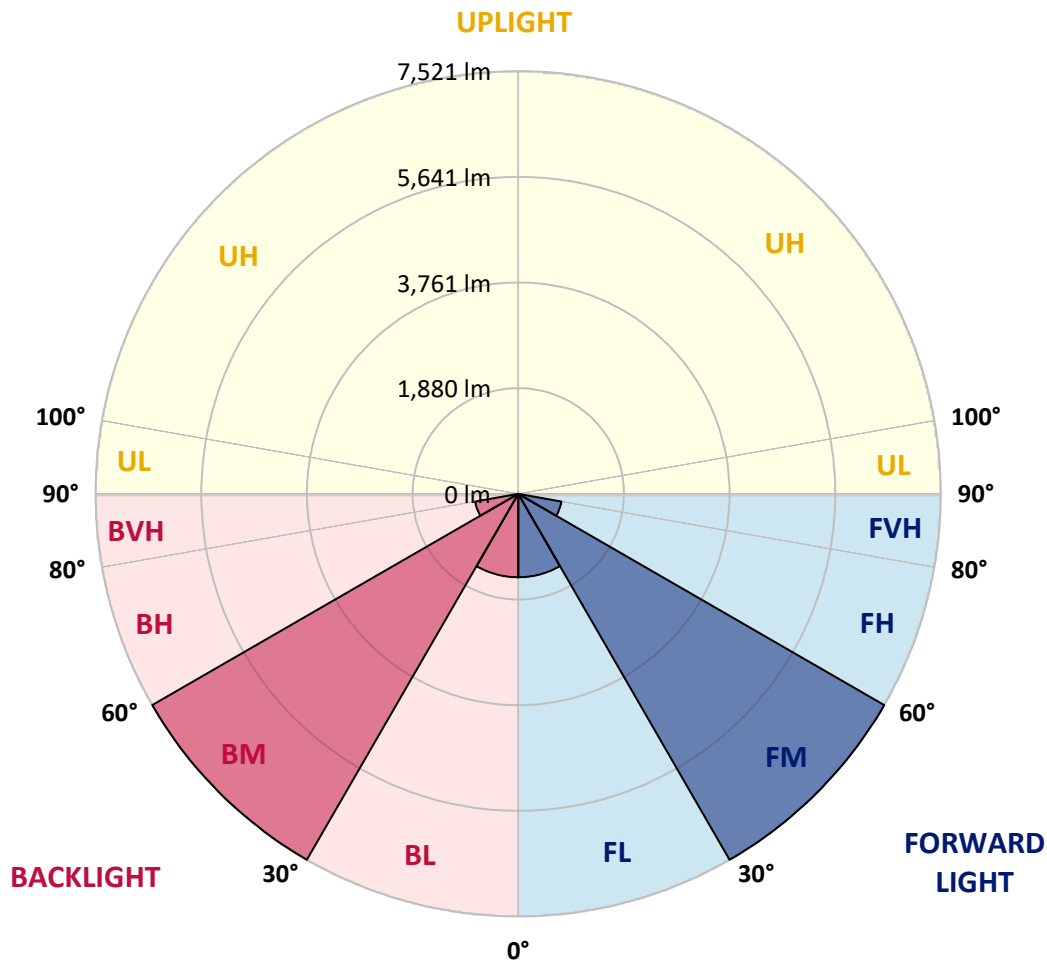
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1485.1	7.6			
FM (30°-60°)	7521.5	38.4			
FH (60°-80°)	779.8	4.0			G1/1800
FVH (80°-90°)	9.0	0.0			G0/10
BL (0°-30°)	1485.1	7.6	B3/2500		
BM (30°-60°)	7521.5	38.4	B4/8500		
BH (60°-80°)	779.8	4.0	B2/1000		G1/1800
BVH (80°-90°)	9.0	0.0			G0/10
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°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3439.8	3439.8	3443.3	3446.9	3422.0	3411.4	3415.0	3407.9	3404.3	3415.0	3415.0
5°	3429.1	3429.1	3418.5	3422.0	3422.0	3390.1	3390.1	3397.2	3397.2	3375.9	3368.8
7.5°	3400.7	3393.7	3379.4	3397.2	3386.6	3386.6	3361.7	3344.0	3336.8	3351.1	3336.8
10°	3340.4	3344.0	3358.1	3365.3	3358.1	3379.4	3336.8	3312.0	3287.2	3276.5	3276.5
12.5°	3312.0	3333.3	3312.0	3329.8	3354.6	3336.8	3312.0	3294.2	3258.8	3244.6	3244.6
15°	3308.5	3322.7	3329.8	3354.6	3344.0	3351.1	3301.4	3280.1	3226.8	3202.0	3191.4
17.5°	3304.9	3322.7	3333.3	3379.4	3386.6	3390.1	3351.1	3287.2	3241.0	3216.2	3191.4
20°	3344.0	3351.1	3372.4	3418.5	3446.9	3496.6	3425.6	3358.1	3258.8	3230.3	3219.7
22.5°	3393.7	3429.1	3450.4	3500.2	3574.7	3617.3	3525.0	3439.8	3336.8	3301.4	3258.8
25°	3553.4	3546.3	3581.8	3684.7	3745.1	3777.0	3702.5	3578.2	3443.3	3400.7	3407.9
27.5°	3752.2	3759.3	3791.2	3904.8	3993.6	4043.3	3954.5	3791.2	3659.9	3588.9	3581.8
30°	4011.3	4004.3	4039.7	4192.3	4352.1	4426.7	4270.5	4078.8	3951.0	3858.7	3880.0
32.5°	4284.7	4288.3	4387.6	4526.1	4785.2	4930.7	4678.7	4444.4	4252.7	4188.8	4156.9
35°	4689.4	4707.1	4785.2	4998.2	5285.7	5473.9	5197.0	4916.5	4696.4	4579.3	4593.5
37.5°	5189.9	5172.1	5303.5	5534.2	5835.9	5974.4	5740.1	5420.6	5197.0	5118.9	5168.6
40°	5722.3	5740.1	5807.6	6017.0	6354.2	6446.5	6098.6	5924.7	5729.4	5690.4	5750.7
42.5°	6254.8	6244.2	6293.9	6482.0	6727.0	6663.1	6457.2	6354.2	6215.8	6137.7	6219.4
45°	6645.3	6627.5	6719.9	6847.6	6936.4	6815.7	6723.4	6687.9	6616.9	6531.7	6606.2
47.5°	7025.2	7011.0	7099.7	7135.2	7142.3	6982.6	7000.3	7064.2	6886.7	6709.2	6794.4
50°	7348.2	7323.3	7433.4	7511.5	7493.7	7238.1	7302.0	7238.1	6961.3	6751.8	6719.9
52.5°	7887.8	7898.4	8015.6	8157.5	8114.9	7902.0	7809.6	7518.6	7163.6	6975.4	6865.4
55°	8228.5	8175.3	8377.6	8828.5	8878.2	8658.1	8249.8	7820.3	7287.9	7057.1	7028.7
56°	7909.1	7976.5	8296.0	8800.1	9055.6	8853.3	8260.5	7745.7	7160.1	6847.6	6826.4
57.5°	7096.2	7060.6	7493.7	8182.4	8878.2	8793.0	7969.5	7213.3	6531.7	6180.3	6137.7
60°	4416.0	4518.9	4898.8	5750.7	6680.8	6723.4	5907.0	5257.3	4462.2	4149.7	4224.3
62.5°	1728.8	1640.0	1877.9	2513.3	3152.3	3294.2	2985.4	2481.3	2037.6	1728.8	1707.5
65°	401.1	390.5	440.2	607.1	848.4	983.3	933.6	671.0	493.4	468.5	433.1
67.5°	227.2	227.2	216.6	216.6	237.9	252.0	241.4	237.9	248.5	259.2	255.6
70°	159.7	156.2	149.1	152.6	145.6	145.6	156.2	173.9	188.2	188.2	191.7
72.5°	95.8	95.8	95.8	106.5	106.5	106.5	117.1	131.3	134.9	131.3	127.8
75°	42.6	42.6	49.7	60.4	67.4	71.0	81.7	88.7	95.8	88.7	81.7
77.5°	10.6	10.6	17.8	24.8	31.9	39.1	53.2	63.9	67.4	63.9	53.2
80°	3.5	3.5	7.1	17.8	31.9	39.1	53.2	56.8	60.4	53.2	42.6
82.5°	3.5	3.5	7.1	17.8	24.8	31.9	42.6	49.7	53.2	46.1	42.6
85°	0.0	3.5	7.1	14.2	21.3	28.4	28.4	21.3	17.8	10.6	14.2
87.5°	0.0	0.0	3.5	3.5	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)