

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: P530309

Luminaire Tested: **GALN-SA5C-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530309
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-SA5C-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA 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: 21195 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

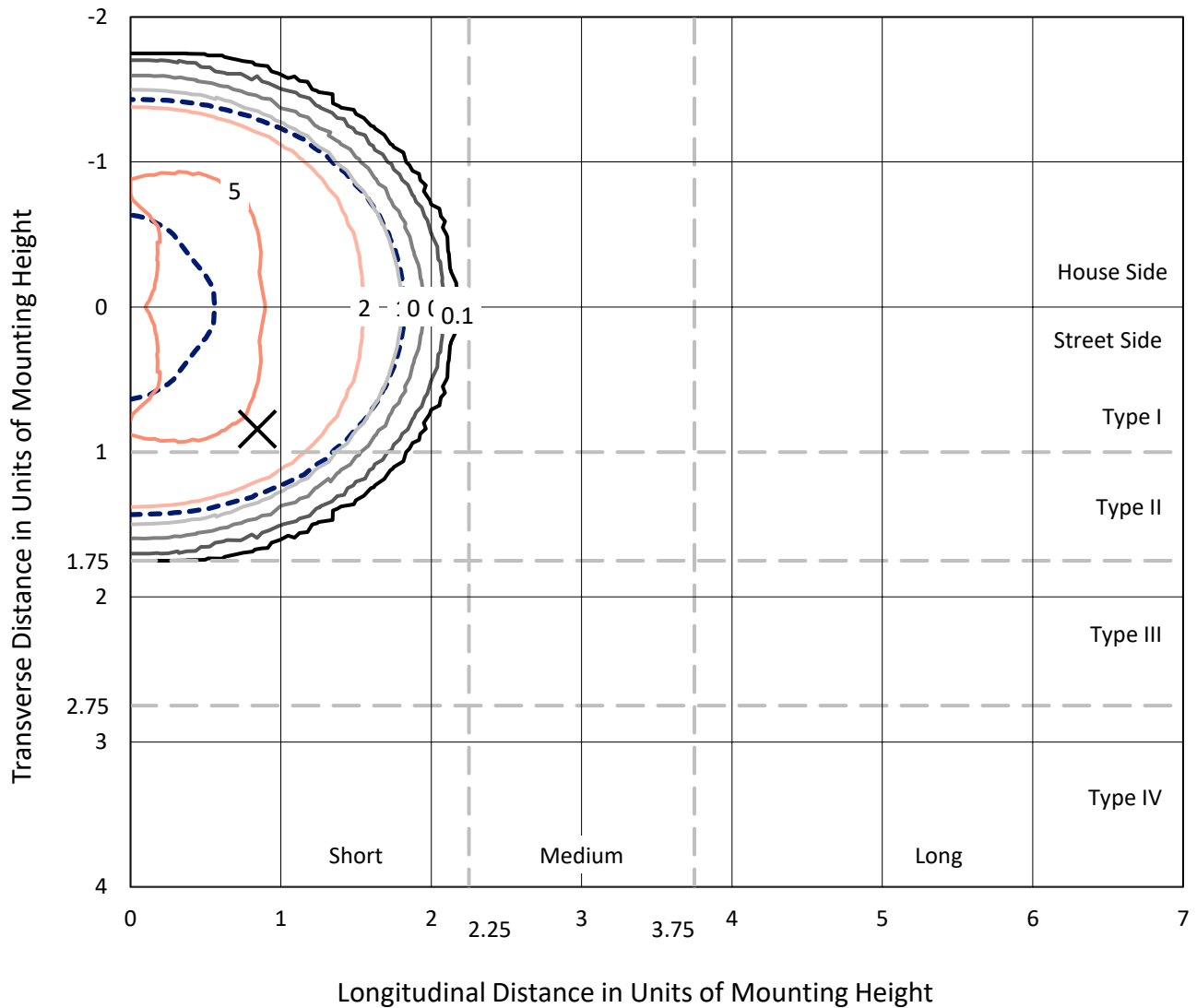
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

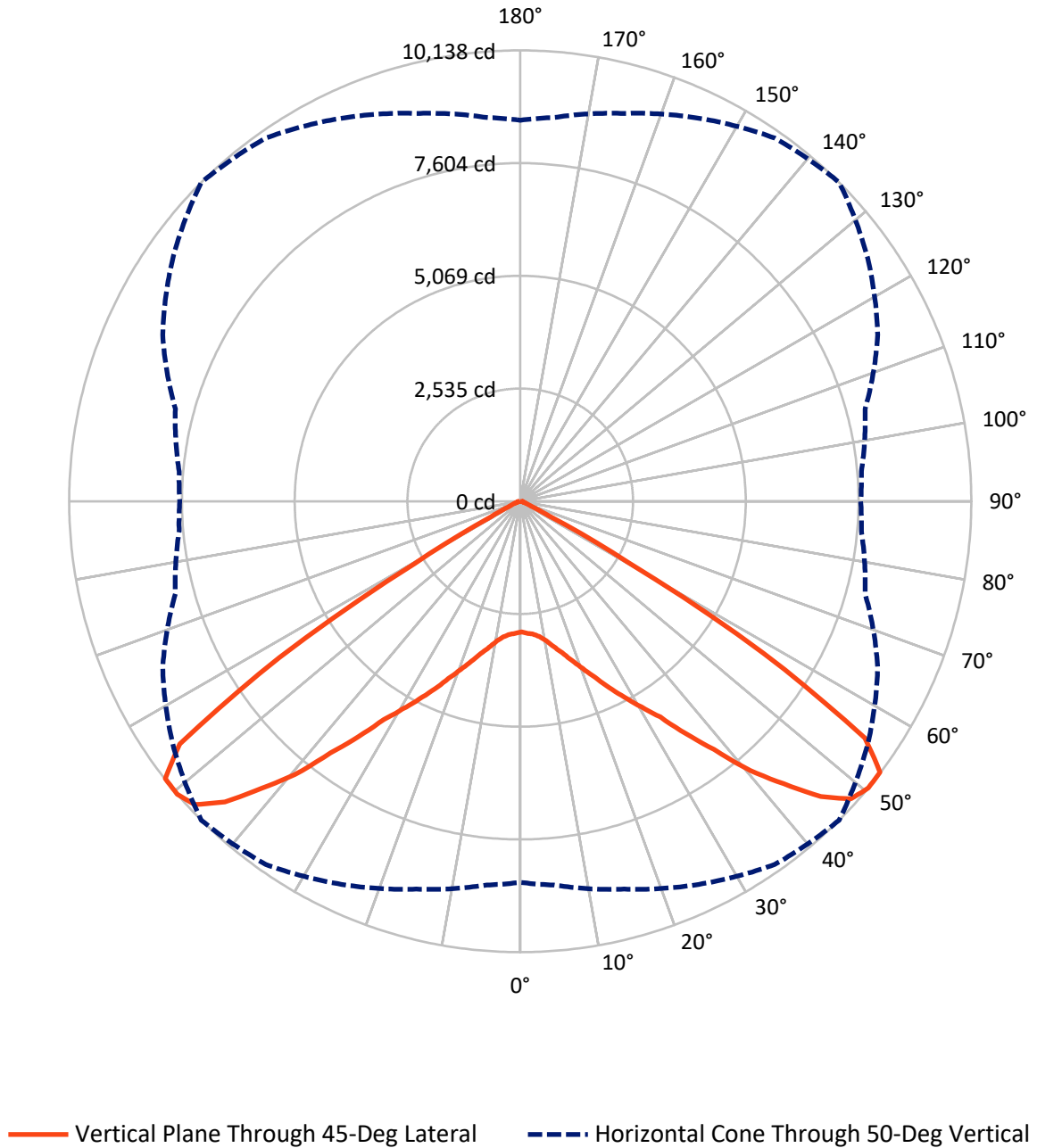
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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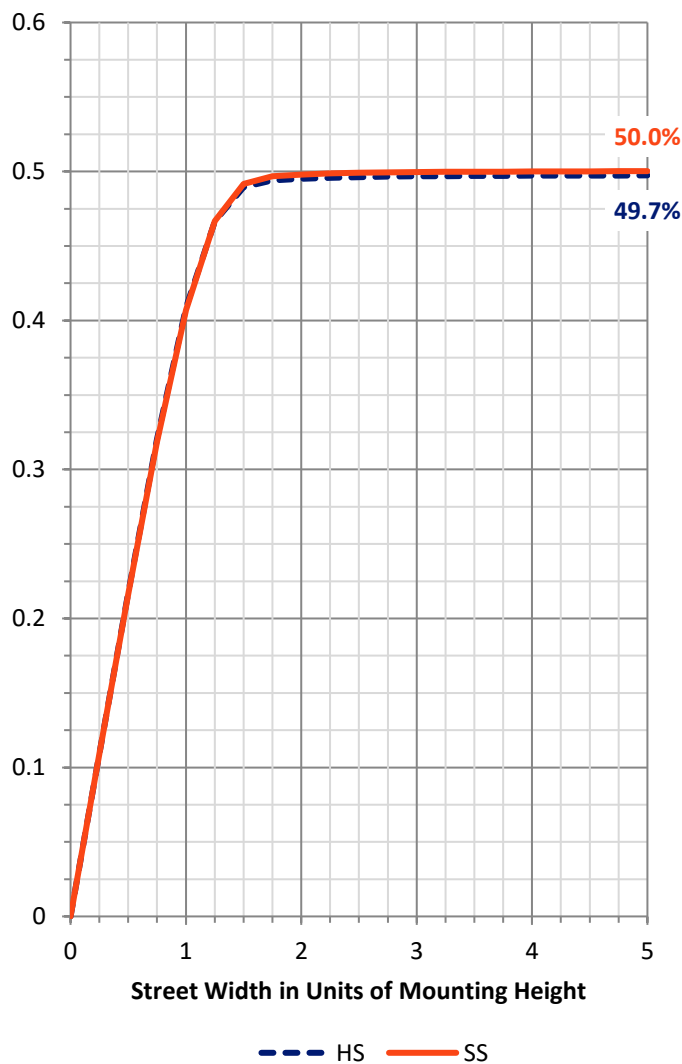
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10597.5	0.0	10597.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10597.5	0.0	10597.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21195.0	0.0	21195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.3	1.4
10°-20°	1007.5	4.8
20°-30°	2057.8	9.7
30°-40°	3924.2	18.5
40°-50°	6612.9	31.2
50°-60°	6306.6	29.8
60°-70°	880.4	4.2
70°-80°	84.2	0.4
80°-90°	29.1	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°	21195.0	100.0
0°-180°	21195.0	100.0

Coefficient of Utilization



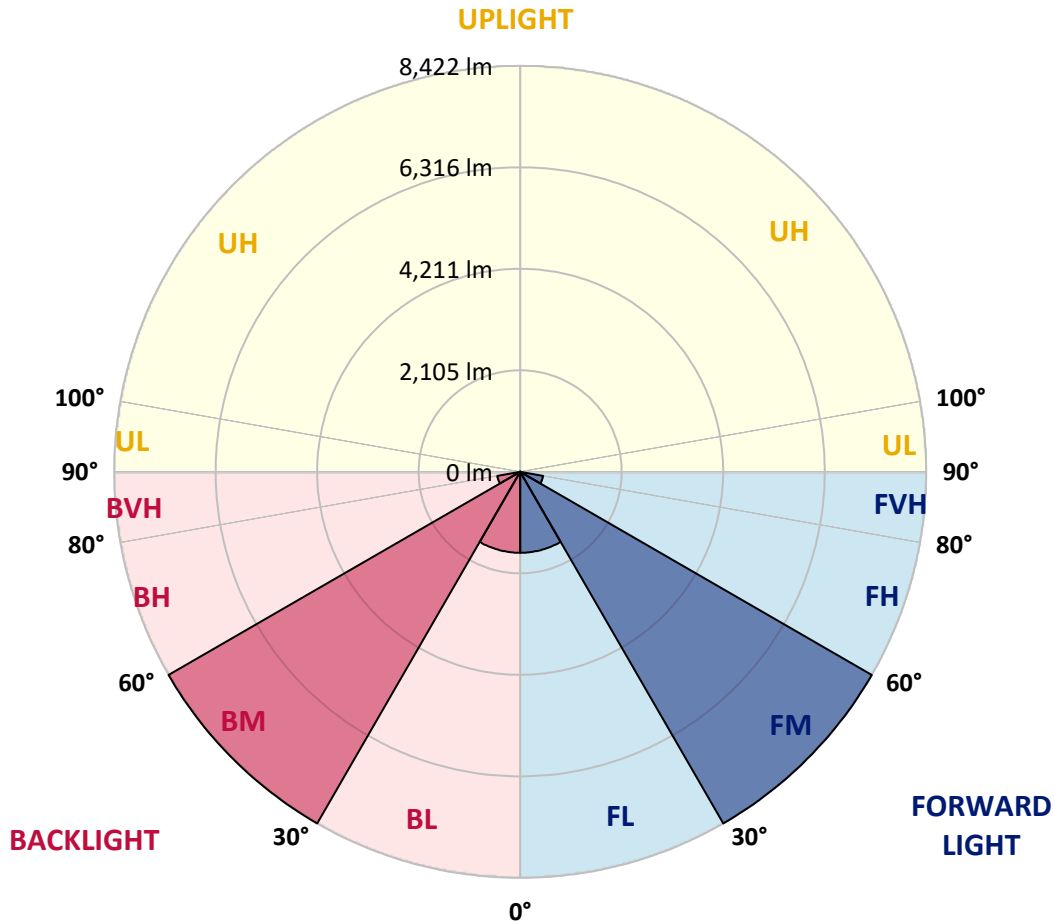
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1678.8	7.9			
FM (30°-60°)	8421.8	39.7			
FH (60°-80°)	482.3	2.3			G0/660
FVH (80°-90°)	14.6	0.1			G1/100
BL (0°-30°)	1678.8	7.9	B3/2500		
BM (30°-60°)	8421.8	39.7	B4/8500		
BH (60°-80°)	482.3	2.3	B1/500		G0/660
BVH (80°-90°)	14.6	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°	2938.5	2938.5	2938.5	2938.5	2938.5	2938.5	2938.5	2938.5	2938.5	2938.5	2938.5
2.5°	2927.8	2927.8	2924.2	2952.7	2938.5	2970.5	2967.0	2977.7	2988.4	2984.8	3013.3
5°	2902.8	2899.2	2899.2	2931.3	2963.4	2999.1	3031.2	3052.6	3088.2	3088.2	3123.9
7.5°	2927.8	2909.9	2934.9	2949.2	3009.8	3070.4	3123.9	3166.7	3248.7	3277.2	3266.5
10°	2934.9	2956.3	2974.1	3016.9	3091.8	3184.5	3230.9	3337.9	3430.6	3494.8	3509.0
12.5°	2981.2	3013.3	3063.3	3166.7	3234.4	3355.7	3419.9	3523.3	3651.7	3723.0	3772.9
15°	3070.4	3081.1	3145.3	3277.2	3423.4	3534.0	3633.8	3708.7	3833.5	3915.6	3919.1
17.5°	3184.5	3230.9	3320.0	3444.8	3598.2	3762.2	3840.7	3922.7	3969.1	4079.6	4104.6
20°	3412.7	3419.9	3505.5	3669.5	3862.1	4011.8	4068.9	4111.7	4093.9	4208.0	4229.4
22.5°	3626.7	3633.8	3740.8	3961.9	4168.8	4297.1	4322.1	4297.1	4243.6	4325.7	4332.8
25°	3844.2	3908.4	3986.9	4208.0	4464.7	4635.9	4639.5	4571.7	4461.2	4475.4	4511.1
27.5°	4183.0	4229.4	4311.4	4514.7	4796.4	4989.0	4956.9	4874.8	4732.2	4742.9	4732.2
30°	4578.9	4621.6	4689.4	4949.7	5156.6	5367.0	5413.3	5334.9	5120.9	5074.5	5128.0
32.5°	5056.7	5117.3	5242.1	5481.1	5655.8	5784.2	5816.3	5787.8	5588.1	5570.2	5605.9
35°	5638.0	5720.0	5834.1	6044.5	6187.2	6419.0	6419.0	6322.7	6140.8	6162.2	6158.6
37.5°	6251.3	6372.6	6550.9	6764.9	6957.4	7082.2	7043.0	6961.0	6779.1	6732.8	6779.1
40°	7021.6	7082.2	7306.9	7585.1	7820.4	7963.1	7795.5	7617.2	7182.1	7249.8	7374.7
42.5°	7724.1	7820.4	7991.6	8298.3	8565.7	8683.4	8483.7	8130.7	7606.5	7553.0	7645.7
45°	8323.2	8426.7	8651.3	9089.9	9371.7	9475.1	9032.9	8462.3	7863.2	7727.7	7766.9
47.5°	8722.6	8776.1	9089.9	9507.2	9763.9	9999.3	9364.5	8690.5	7984.5	7727.7	7713.4
50°	8569.3	8662.0	9029.3	9503.6	9970.8	10138.4	9532.1	8865.3	8023.7	7695.6	7652.8
52.5°	7610.0	7770.5	8180.6	8818.9	9525.0	10124.1	9763.9	8808.2	8009.4	7727.7	7791.9
55°	5295.6	5299.2	5798.5	6739.9	7988.0	9400.2	9425.2	8872.4	8102.1	7927.4	7931.0
57.5°	2129.0	2235.9	2617.5	3562.5	4714.4	6454.6	7674.2	8230.5	8112.8	8070.0	8180.6
60°	538.5	542.0	659.7	1005.6	1658.2	2767.3	4019.0	5438.3	6262.0	6543.8	6583.0
62.5°	274.6	278.2	306.7	356.6	452.9	741.7	1319.5	2093.3	2977.7	3427.0	3544.7
65°	224.7	224.7	242.5	267.5	271.0	285.3	342.3	488.6	709.7	805.9	816.6
67.5°	171.2	171.2	185.4	199.7	206.8	203.3	196.1	203.3	246.1	235.4	228.2
70°	107.0	110.5	117.7	131.9	139.1	142.6	146.2	153.3	174.7	181.9	174.7
72.5°	64.2	64.2	67.8	78.5	89.2	96.3	107.0	114.1	124.8	142.6	139.1
75°	28.5	28.5	35.7	46.4	57.1	67.8	78.5	89.2	96.3	107.0	110.5
77.5°	7.1	10.7	17.8	32.1	42.8	57.1	71.3	82.0	89.2	89.2	85.6
80°	3.6	3.6	14.3	25.0	46.4	60.6	78.5	85.6	96.3	89.2	78.5
82.5°	3.6	3.6	14.3	25.0	42.8	60.6	82.0	92.7	99.9	89.2	74.9
85°	0.0	3.6	10.7	21.4	35.7	42.8	35.7	25.0	14.3	14.3	10.7
87.5°	0.0	0.0	3.6	3.6	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)