

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: P530075

Luminaire Tested: **GALN-SA5B-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530075
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-SA5B-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 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: 17155 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

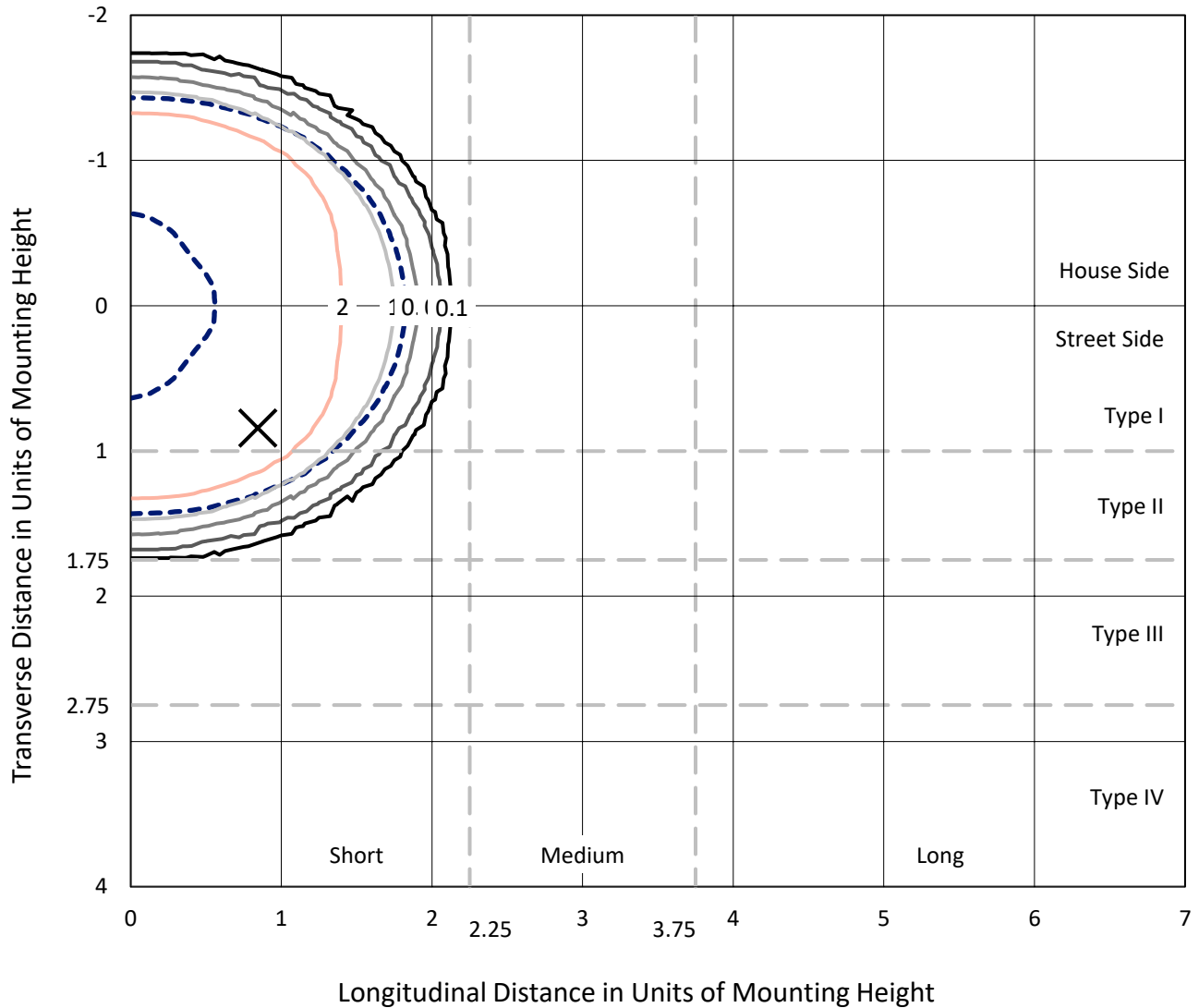
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

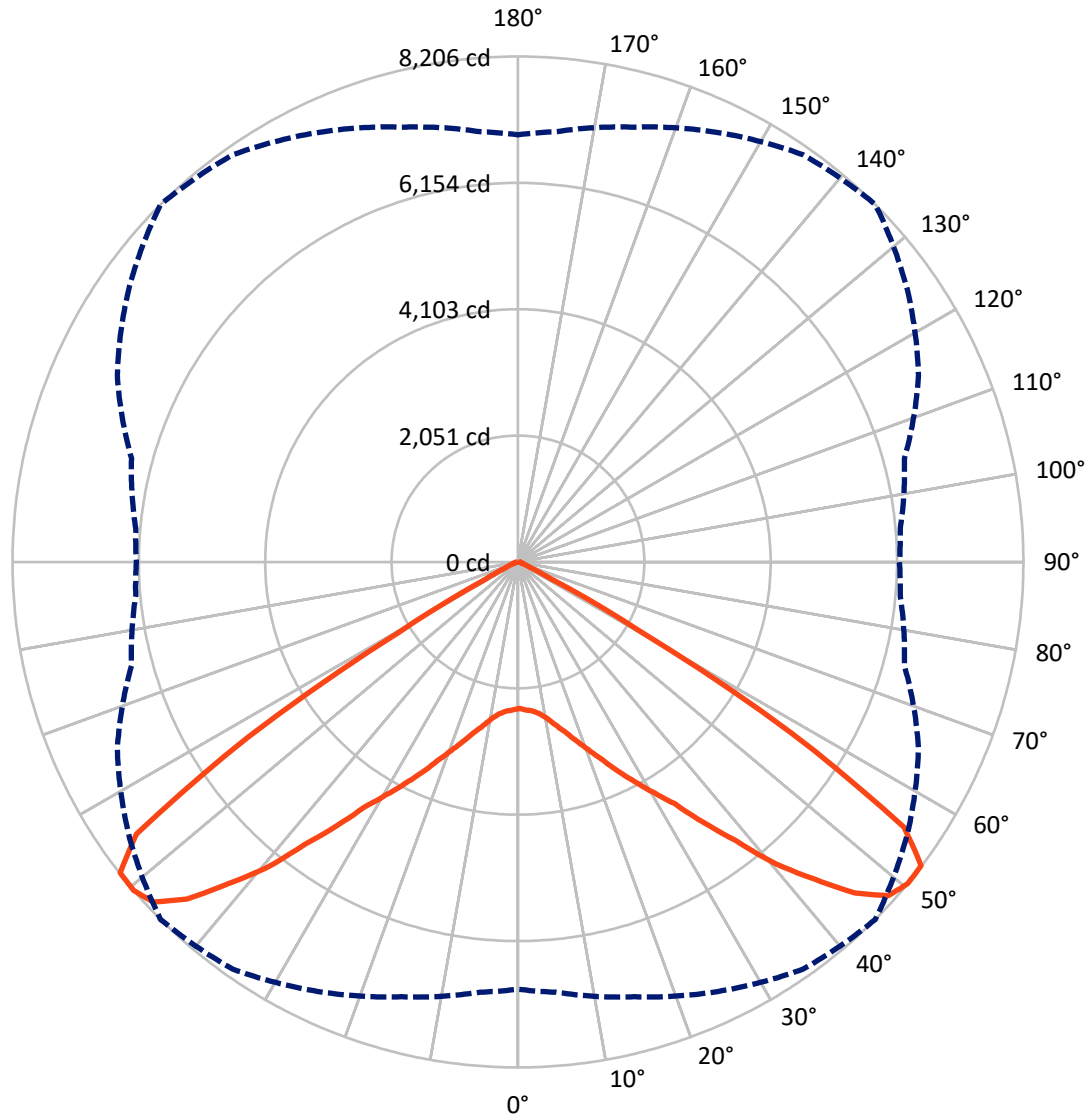
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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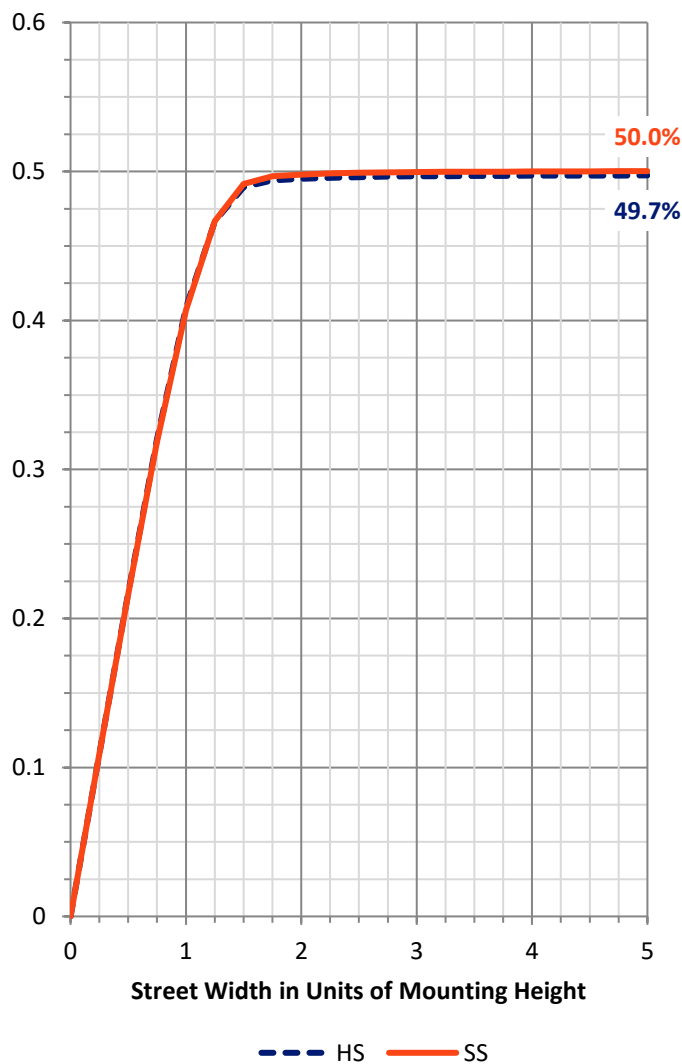
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8577.5	0.0	8577.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8577.5	0.0	8577.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17155.0	0.0	17155.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	1.4
10°-20°	815.5	4.8
20°-30°	1665.6	9.7
30°-40°	3176.2	18.5
40°-50°	5352.4	31.2
50°-60°	5104.5	29.8
60°-70°	712.6	4.2
70°-80°	68.2	0.4
80°-90°	23.5	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°	17155.0	100.0
0°-180°	17155.0	100.0

Coefficient of Utilization



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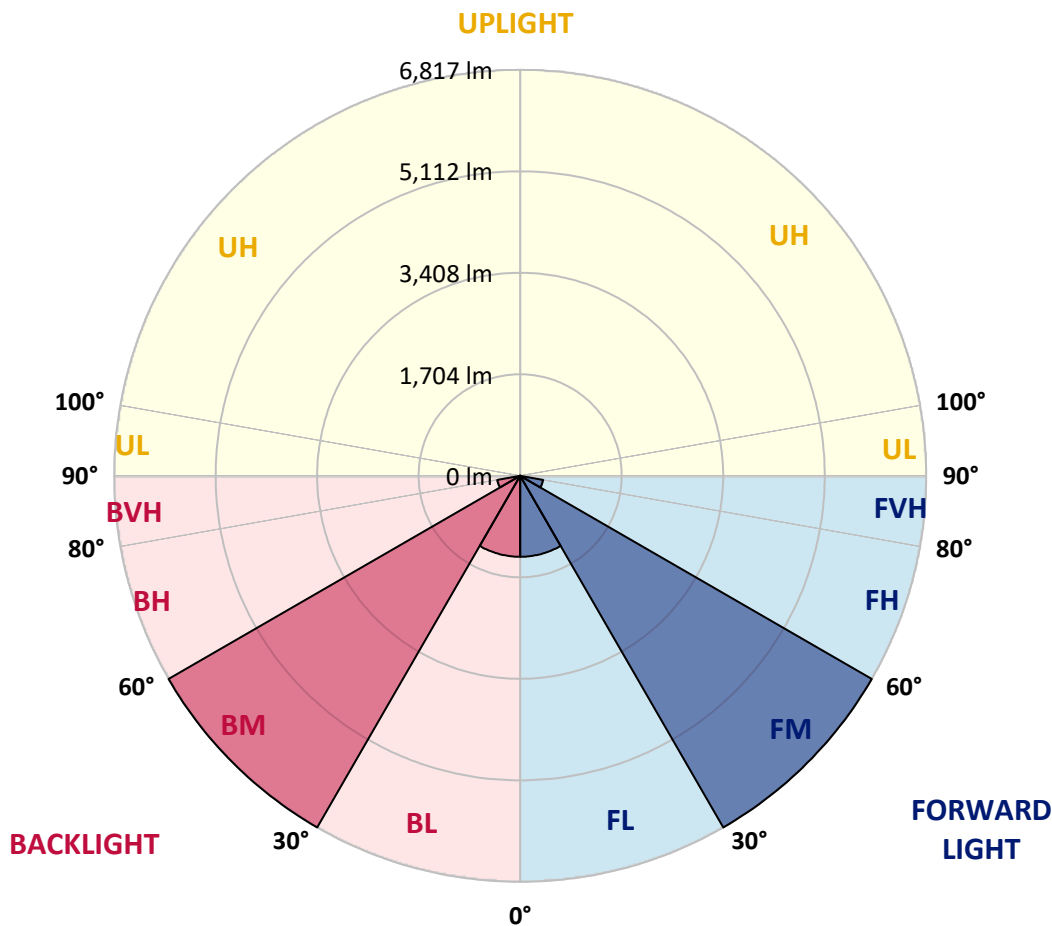
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1358.8	7.9			
FM (30°-60°)	6816.5	39.7			
FH (60°-80°)	390.4	2.3			G0/660
FVH (80°-90°)	11.8	0.1			G1/100
BL (0°-30°)	1358.8	7.9	B3/2500		
BM (30°-60°)	6816.5	39.7	B4/8500		
BH (60°-80°)	390.4	2.3	B1/500		G0/660
BVH (80°-90°)	11.8	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°	2378.4	2378.4	2378.4	2378.4	2378.4	2378.4	2378.4	2378.4	2378.4	2378.4	2378.4
2.5°	2369.7	2369.7	2366.8	2389.9	2378.4	2404.3	2401.4	2410.1	2418.8	2415.9	2439.0
5°	2349.5	2346.6	2346.6	2372.6	2398.6	2427.4	2453.4	2470.7	2499.6	2499.6	2528.4
7.5°	2369.7	2355.3	2375.5	2387.0	2436.1	2485.1	2528.4	2563.1	2629.5	2652.6	2643.9
10°	2375.5	2392.8	2407.2	2441.9	2502.5	2577.5	2615.0	2701.6	2776.7	2828.6	2840.2
12.5°	2413.0	2439.0	2479.4	2563.1	2617.9	2716.1	2768.0	2851.7	2955.6	3013.3	3053.8
15°	2485.1	2493.8	2545.8	2652.6	2770.9	2860.4	2941.2	3001.8	3102.8	3169.2	3172.1
17.5°	2577.5	2615.0	2687.2	2788.2	2912.3	3045.1	3108.6	3175.0	3212.5	3302.0	3322.2
20°	2762.2	2768.0	2837.3	2970.1	3125.9	3247.1	3293.3	3328.0	3313.5	3405.9	3423.2
22.5°	2935.4	2941.2	3027.8	3206.7	3374.1	3478.1	3498.3	3478.1	3434.8	3501.1	3506.9
25°	3111.5	3163.4	3226.9	3405.9	3613.7	3752.3	3755.1	3700.3	3610.8	3622.4	3651.2
27.5°	3385.7	3423.2	3489.6	3654.1	3882.1	4038.0	4012.0	3945.6	3830.2	3838.8	3830.2
30°	3706.1	3740.7	3795.5	4006.3	4173.7	4344.0	4381.5	4318.0	4144.8	4107.3	4150.6
32.5°	4092.8	4141.9	4242.9	4436.3	4577.8	4681.7	4707.6	4684.5	4522.9	4508.5	4537.3
35°	4563.3	4629.7	4722.1	4892.4	5007.8	5195.4	5195.4	5117.5	4970.3	4987.6	4984.7
37.5°	5059.8	5157.9	5302.2	5475.4	5631.3	5732.3	5700.5	5634.2	5487.0	5449.4	5487.0
40°	5683.2	5732.3	5914.1	6139.3	6329.8	6445.2	6309.6	6165.2	5813.1	5867.9	5969.0
42.5°	6251.8	6329.8	6468.3	6716.5	6933.0	7028.3	6866.6	6580.9	6156.6	6113.3	6188.3
45°	6736.7	6820.4	7002.3	7357.3	7585.3	7669.0	7311.1	6849.3	6364.4	6254.7	6286.5
47.5°	7060.0	7103.3	7357.3	7695.0	7902.8	8093.3	7579.6	7034.0	6462.5	6254.7	6243.2
50°	6935.9	7010.9	7308.2	7692.1	8070.2	8205.9	7715.2	7175.5	6494.3	6228.7	6194.1
52.5°	6159.5	6289.4	6621.3	7137.9	7709.4	8194.3	7902.8	7129.3	6482.7	6254.7	6306.7
55°	4286.2	4289.1	4693.2	5455.2	6465.4	7608.4	7628.6	7181.2	6557.8	6416.4	6419.2
57.5°	1723.2	1809.7	2118.6	2883.5	3815.8	5224.3	6211.4	6661.7	6566.4	6531.8	6621.3
60°	435.8	438.7	534.0	814.0	1342.2	2239.8	3252.9	4401.7	5068.4	5296.5	5328.2
62.5°	222.2	225.1	248.2	288.6	366.6	600.4	1067.9	1694.3	2410.1	2773.8	2869.0
65°	181.8	181.8	196.3	216.5	219.4	230.9	277.1	395.4	574.4	652.3	661.0
67.5°	138.5	138.5	150.1	161.6	167.4	164.5	158.7	164.5	199.2	190.5	184.7
70°	86.6	89.5	95.2	106.8	112.6	115.5	118.3	124.1	141.4	147.2	141.4
72.5°	52.0	52.0	54.8	63.5	72.2	77.9	86.6	92.4	101.0	115.5	112.6
75°	23.1	23.1	28.9	37.5	46.2	54.8	63.5	72.2	77.9	86.6	89.5
77.5°	5.8	8.7	14.4	26.0	34.6	46.2	57.7	66.4	72.2	72.2	69.3
80°	2.9	2.9	11.5	20.2	37.5	49.1	63.5	69.3	77.9	72.2	63.5
82.5°	2.9	2.9	11.5	20.2	34.6	49.1	66.4	75.0	80.8	72.2	60.6
85°	0.0	2.9	8.7	17.3	28.9	34.6	28.9	20.2	11.5	11.5	8.7
87.5°	0.0	0.0	2.9	2.9	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)