

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: P531479

Luminaire Tested: **GALN-SA6D-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531479
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-SA6D-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA 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: 27616 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

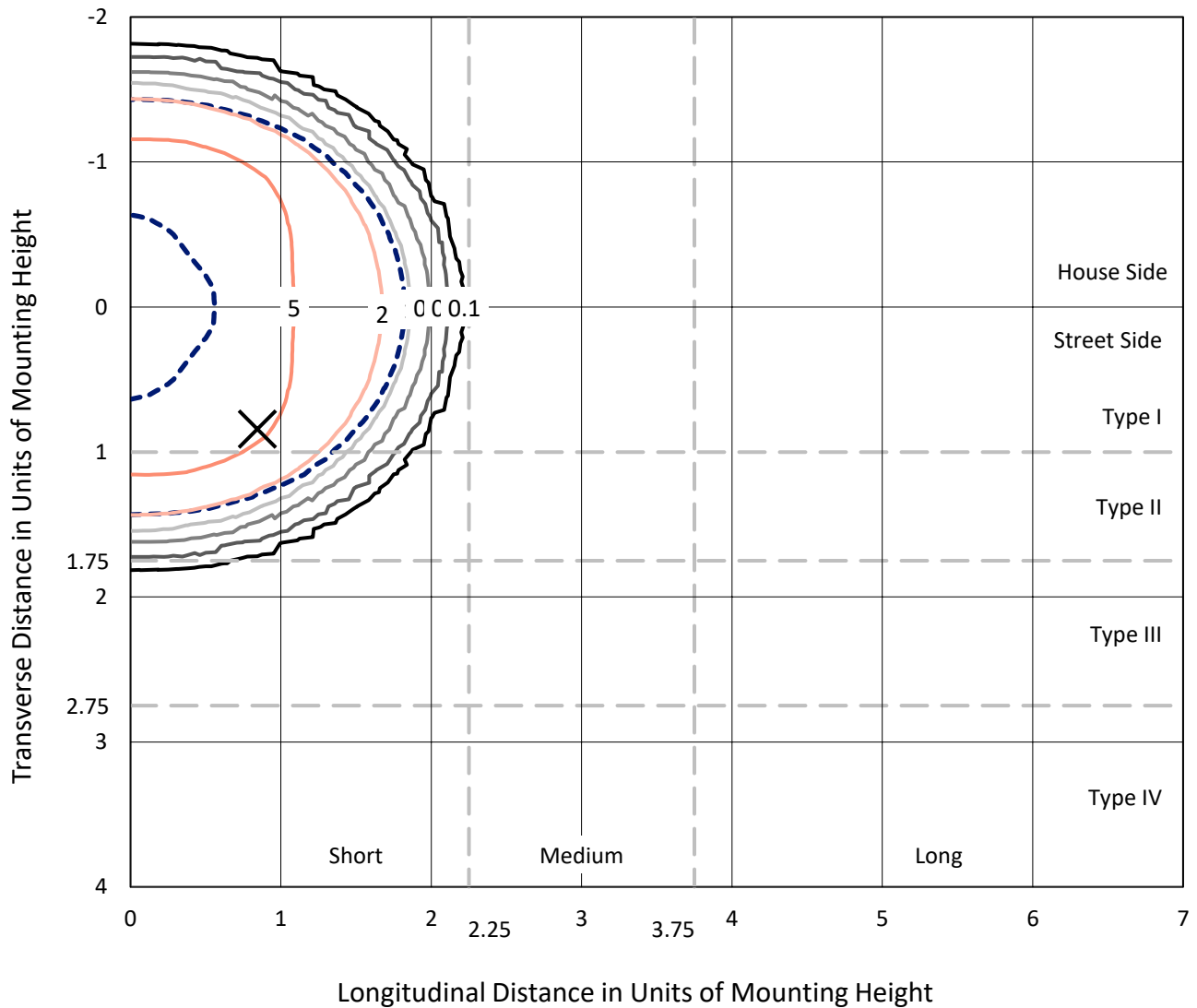
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

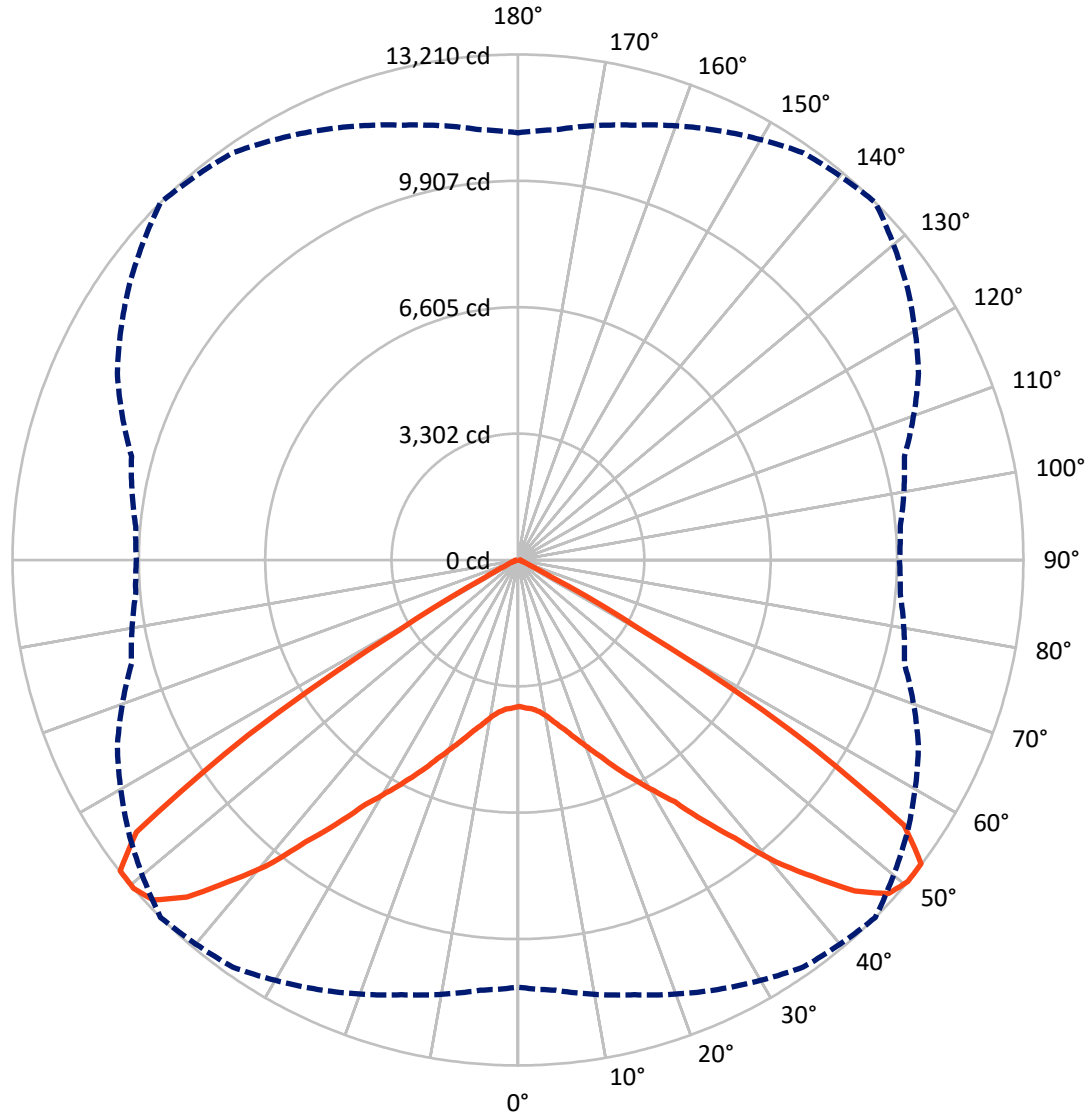
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	13808.0	0.0	13808.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13808.0	0.0	13808.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27616.0	0.0	27616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.9	1.4
10°-20°	1312.8	4.8
20°-30°	2681.2	9.7
30°-40°	5113.1	18.5
40°-50°	8616.3	31.2
50°-60°	8217.1	29.8
60°-70°	1147.1	4.2
70°-80°	109.7	0.4
80°-90°	37.9	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°	27616.0	100.0
0°-180°	27616.0	100.0

Coefficient of Utilization



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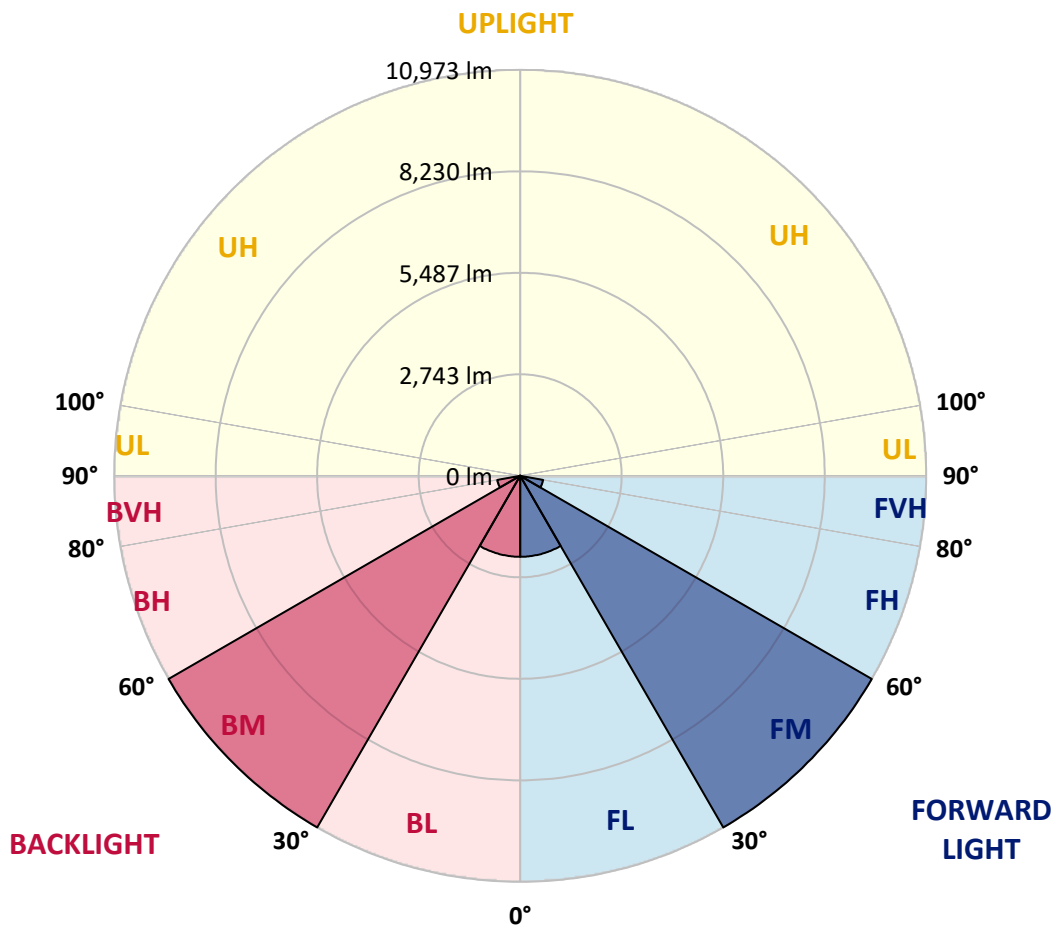
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2187.4	7.9			
FM (30°-60°)	10973.2	39.7			
FH (60°-80°)	628.4	2.3			G0/660
FVH (80°-90°)	19.0	0.1			G1/100
BL (0°-30°)	2187.4	7.9	B3/2500		
BM (30°-60°)	10973.2	39.7	B5		
BH (60°-80°)	628.4	2.3	B2/1000		G0/660
BVH (80°-90°)	19.0	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°	3828.7	3828.7	3828.7	3828.7	3828.7	3828.7	3828.7	3828.7	3828.7	3828.7	3828.7
2.5°	3814.7	3814.7	3810.1	3847.2	3828.7	3870.5	3865.8	3879.8	3893.7	3889.1	3926.2
5°	3782.2	3777.5	3777.5	3819.4	3861.2	3907.6	3949.5	3977.3	4023.8	4023.8	4070.3
7.5°	3814.7	3791.5	3824.0	3842.6	3921.6	4000.6	4070.3	4126.0	4232.9	4270.1	4256.1
10°	3824.0	3851.9	3875.1	3930.9	4028.5	4149.3	4209.7	4349.1	4469.9	4553.5	4572.1
12.5°	3884.4	3926.2	3991.3	4126.0	4214.3	4372.3	4455.9	4590.7	4757.9	4850.9	4915.9
15°	4000.6	4014.5	4098.1	4270.1	4460.6	4604.6	4734.7	4832.3	4994.9	5101.8	5106.4
17.5°	4149.3	4209.7	4325.8	4488.4	4688.2	4902.0	5004.2	5111.1	5171.5	5315.5	5348.0
20°	4446.6	4455.9	4567.4	4781.2	5032.1	5227.2	5301.6	5357.3	5334.1	5482.8	5510.7
22.5°	4725.4	4734.7	4874.1	5162.2	5431.7	5598.9	5631.5	5598.9	5529.2	5636.1	5645.4
25°	5008.8	5092.5	5194.7	5482.8	5817.3	6040.4	6045.0	5956.7	5812.7	5831.3	5877.7
27.5°	5450.3	5510.7	5617.5	5882.4	6249.4	6500.3	6458.5	6351.7	6165.8	6179.7	6165.8
30°	5966.0	6021.8	6110.0	6449.2	6718.7	6992.9	7053.3	6951.1	6672.3	6611.9	6681.6
32.5°	6588.6	6667.6	6830.2	7141.6	7369.2	7536.5	7578.3	7541.1	7280.9	7257.7	7304.2
35°	7346.0	7452.9	7601.6	7875.7	8061.5	8363.6	8363.6	8238.1	8001.1	8029.0	8024.4
37.5°	8145.2	8303.2	8535.5	8814.3	9065.2	9227.8	9176.7	9069.8	8832.9	8772.5	8832.9
40°	9148.8	9227.8	9520.5	9882.9	10189.6	10375.5	10157.1	9924.8	9357.9	9446.2	9608.8
42.5°	10064.2	10189.6	10412.6	10812.2	11160.7	11314.0	11053.8	10593.9	9910.8	9841.1	9961.9
45°	10844.8	10979.5	11272.2	11843.7	12210.8	12345.6	11769.4	11026.0	10245.4	10068.8	10119.9
47.5°	11365.2	11434.9	11843.7	12387.4	12721.9	13028.6	12201.5	11323.3	10403.3	10068.8	10050.2
50°	11165.4	11286.2	11764.7	12382.7	12991.4	13209.8	12419.9	11551.0	10454.5	10027.0	9971.2
52.5°	9915.5	10124.6	10658.9	11490.6	12410.6	13191.2	12721.9	11476.7	10435.9	10068.8	10152.4
55°	6899.9	6904.6	7555.1	8781.7	10408.0	12248.0	12280.5	11560.3	10556.7	10329.0	10333.7
57.5°	2773.9	2913.3	3410.5	4641.8	6142.6	8410.0	9999.1	10723.9	10570.6	10514.9	10658.9
60°	701.6	706.3	859.6	1310.3	2160.6	3605.6	5236.5	7085.8	8159.1	8526.2	8577.3
62.5°	357.8	362.4	399.6	464.6	590.1	966.5	1719.2	2727.5	3879.8	4465.2	4618.5
65°	292.7	292.7	316.0	348.5	353.1	371.7	446.1	636.6	924.6	1050.1	1064.0
67.5°	223.0	223.0	241.6	260.2	269.5	264.8	255.6	264.8	320.6	306.7	297.4
70°	139.4	144.0	153.3	171.9	181.2	185.9	190.5	199.8	227.7	237.0	227.7
72.5°	83.6	83.6	88.3	102.2	116.2	125.5	139.4	148.7	162.6	185.9	181.2
75°	37.2	37.2	46.5	60.4	74.3	88.3	102.2	116.2	125.5	139.4	144.0
77.5°	9.3	13.9	23.2	41.8	55.8	74.3	92.9	106.9	116.2	116.2	111.5
80°	4.6	4.6	18.6	32.5	60.4	79.0	102.2	111.5	125.5	116.2	102.2
82.5°	4.6	4.6	18.6	32.5	55.8	79.0	106.9	120.8	130.1	116.2	97.6
85°	0.0	4.6	13.9	27.9	46.5	55.8	46.5	32.5	18.6	18.6	13.9
87.5°	0.0	0.0	4.6	4.6	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)