

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: P533351

Luminaire Tested: **GALN-SA8D-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533351
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-SA8D-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 37607 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

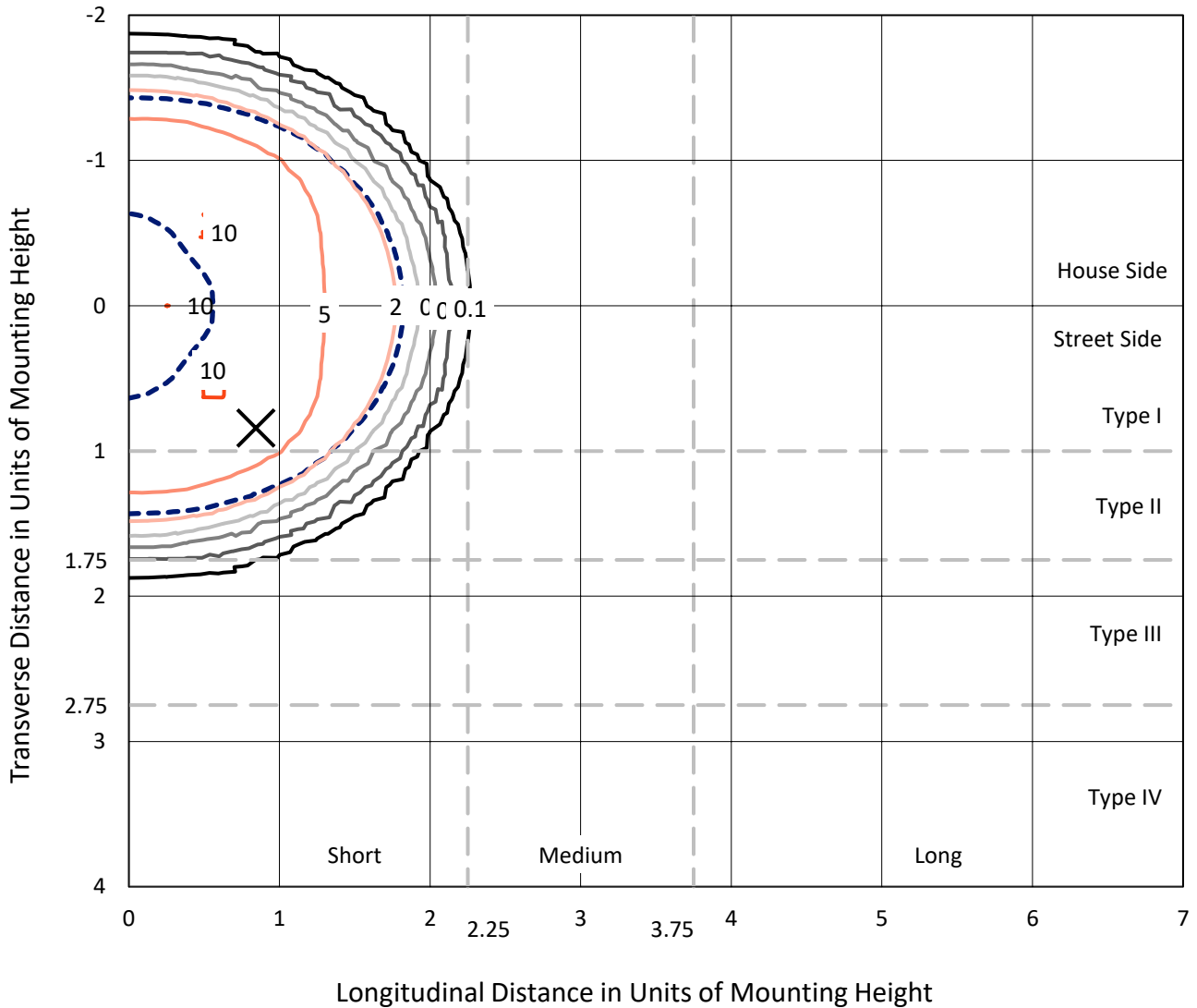
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

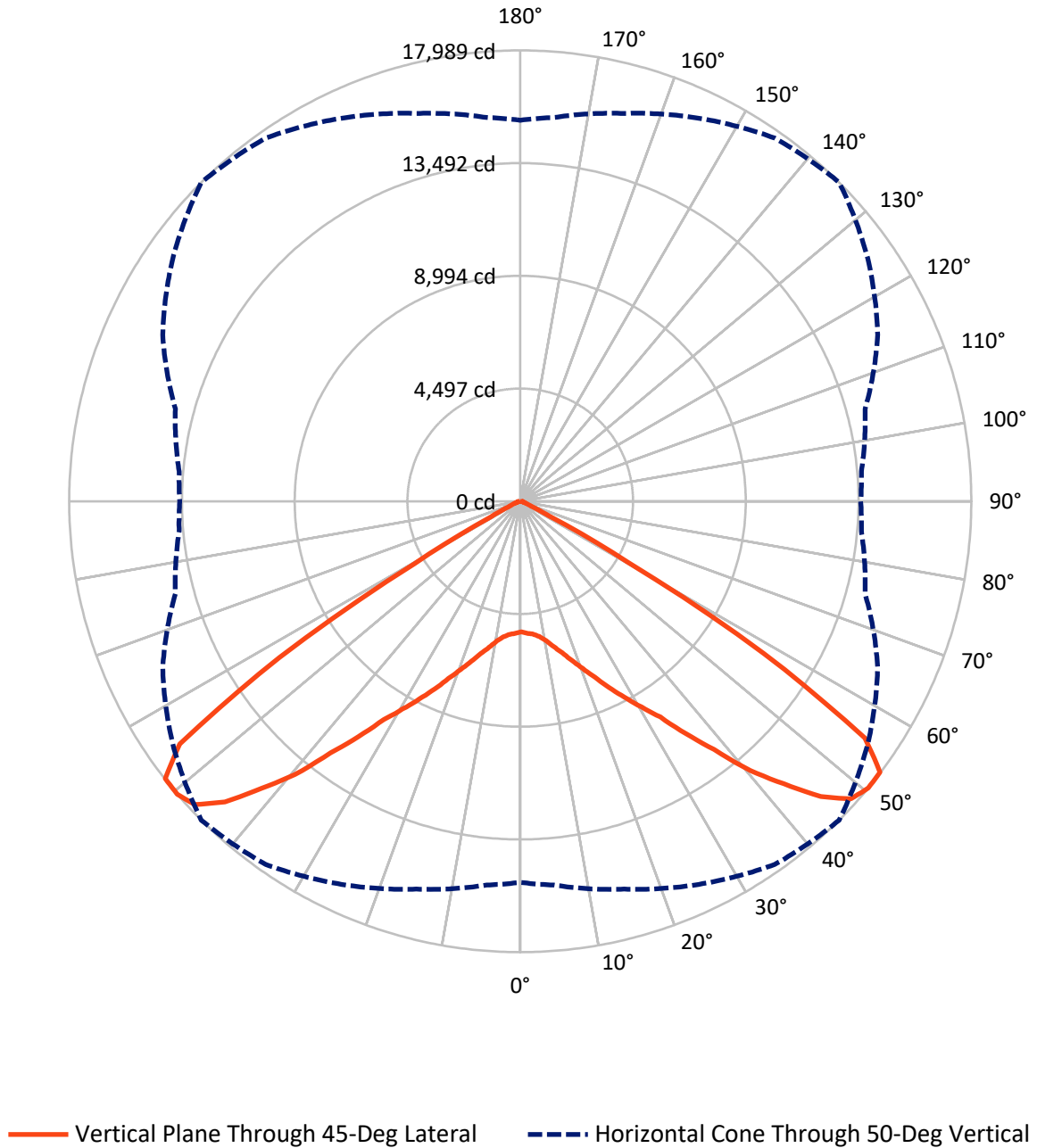
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	18803.5	0.0	18803.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18803.5	0.0	18803.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37607.0	0.0	37607.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.7	1.4
10°-20°	1787.7	4.8
20°-30°	3651.2	9.7
30°-40°	6962.9	18.5
40°-50°	11733.5	31.2
50°-60°	11190.0	29.8
60°-70°	1562.1	4.2
70°-80°	149.4	0.4
80°-90°	51.6	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°	37607.0	100.0
0°-180°	37607.0	100.0

Coefficient of Utilization



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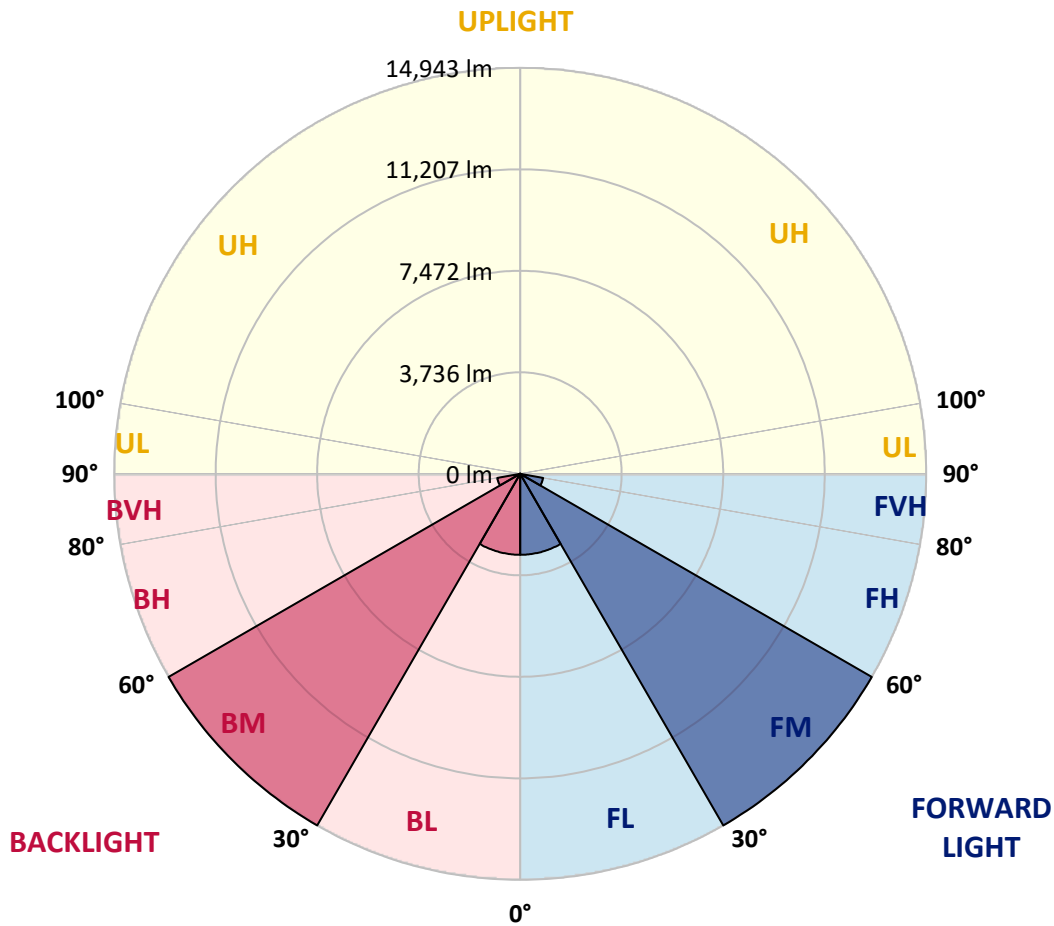
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2978.8	7.9			
FM (30°-60°)	14943.2	39.7			
FH (60°-80°)	855.7	2.3			G1/1800
FVH (80°-90°)	25.8	0.1			G1/100
BL (0°-30°)	2978.8	7.9	B4/5000		
BM (30°-60°)	14943.2	39.7	B5		
BH (60°-80°)	855.7	2.3	B2/1000		G1/1800
BVH (80°-90°)	25.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	5213.8	5213.8	5213.8	5213.8	5213.8	5213.8	5213.8	5213.8	5213.8	5213.8	5213.8
2.5°	5194.8	5194.8	5188.5	5239.1	5213.8	5270.7	5264.4	5283.4	5302.4	5296.1	5346.7
5°	5150.5	5144.2	5144.2	5201.1	5258.1	5321.4	5378.3	5416.3	5479.5	5479.5	5542.8
7.5°	5194.8	5163.2	5207.5	5232.8	5340.3	5447.9	5542.8	5618.8	5764.3	5814.9	5795.9
10°	5207.5	5245.4	5277.1	5353.0	5485.9	5650.4	5732.6	5922.5	6087.0	6200.9	6226.2
12.5°	5289.7	5346.7	5435.3	5618.8	5739.0	5954.1	6068.0	6251.5	6479.3	6605.8	6694.4
15°	5447.9	5466.9	5580.8	5814.9	6074.3	6270.5	6447.6	6580.5	6802.0	6947.5	6953.8
17.5°	5650.4	5732.6	5890.8	6112.3	6384.4	6675.4	6814.6	6960.2	7042.4	7238.6	7282.9
20°	6055.3	6068.0	6219.9	6510.9	6852.6	7118.4	7219.6	7295.5	7263.9	7466.4	7504.3
22.5°	6435.0	6447.6	6637.5	7029.8	7396.8	7624.5	7668.8	7624.5	7529.6	7675.2	7687.8
25°	6821.0	6934.9	7074.1	7466.4	7921.9	8225.7	8232.0	8111.8	7915.6	7940.9	8004.2
27.5°	7422.1	7504.3	7649.9	8010.5	8510.4	8852.1	8795.1	8649.6	8396.5	8415.5	8396.5
30°	8124.4	8200.3	8320.6	8782.5	9149.5	9522.8	9605.0	9465.8	9086.2	9003.9	9098.8
32.5°	8972.3	9079.9	9301.3	9725.2	10035.3	10263.1	10320.0	10269.4	9915.1	9883.4	9946.7
35°	10003.7	10149.2	10351.7	10725.0	10978.1	11389.4	11389.4	11218.5	10895.8	10933.8	10927.5
37.5°	11092.0	11307.1	11623.5	12003.1	12344.8	12566.3	12496.7	12351.1	12028.4	11946.2	12028.4
40°	12458.7	12566.3	12964.9	13458.4	13876.0	14129.1	13831.7	13515.4	12743.4	12863.7	13085.1
42.5°	13705.2	13876.0	14179.8	14723.9	15198.5	15407.3	15052.9	14426.5	13496.4	13401.5	13566.0
45°	14768.2	14951.7	15350.3	16128.6	16628.5	16812.0	16027.4	15015.0	13952.0	13711.5	13781.1
47.5°	15476.9	15571.8	16128.6	16868.9	17324.5	17742.1	16615.8	15419.9	14167.1	13711.5	13686.2
50°	15204.8	15369.3	16021.0	16862.6	17691.5	17988.9	16913.2	15730.0	14236.7	13654.6	13578.7
52.5°	13502.7	13787.5	14515.1	15647.7	16900.5	17963.6	17324.5	15628.7	14211.4	13711.5	13825.4
55°	9396.2	9402.6	10288.4	11958.8	14173.4	16679.1	16723.4	15742.6	14375.9	14065.9	14072.2
57.5°	3777.5	3967.3	4644.3	6321.1	8364.9	11452.6	13616.6	14603.7	14394.9	14319.0	14515.1
60°	955.4	961.8	1170.6	1784.3	2942.3	4910.1	7131.0	9649.3	11111.0	11610.8	11680.4
62.5°	487.2	493.5	544.2	632.7	803.6	1316.1	2341.1	3714.2	5283.4	6080.7	6289.5
65°	398.6	398.6	430.3	474.6	480.9	506.2	607.4	866.9	1259.2	1430.0	1449.0
67.5°	303.7	303.7	329.0	354.3	367.0	360.7	348.0	360.7	436.6	417.6	405.0
70°	189.8	196.2	208.8	234.1	246.8	253.1	259.4	272.1	310.0	322.7	310.0
72.5°	113.9	113.9	120.2	139.2	158.2	170.8	189.8	202.5	221.5	253.1	246.8
75°	50.6	50.6	63.3	82.3	101.2	120.2	139.2	158.2	170.8	189.8	196.2
77.5°	12.7	19.0	31.6	56.9	75.9	101.2	126.5	145.5	158.2	158.2	151.9
80°	6.3	6.3	25.3	44.3	82.3	107.6	139.2	151.9	170.8	158.2	139.2
82.5°	6.3	6.3	25.3	44.3	75.9	107.6	145.5	164.5	177.2	158.2	132.9
85°	0.0	6.3	19.0	38.0	63.3	75.9	63.3	44.3	25.3	25.3	19.0
87.5°	0.0	0.0	6.3	6.3	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)