

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: P647487

Luminaire Tested: **GALN-SA6D-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31473.5 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

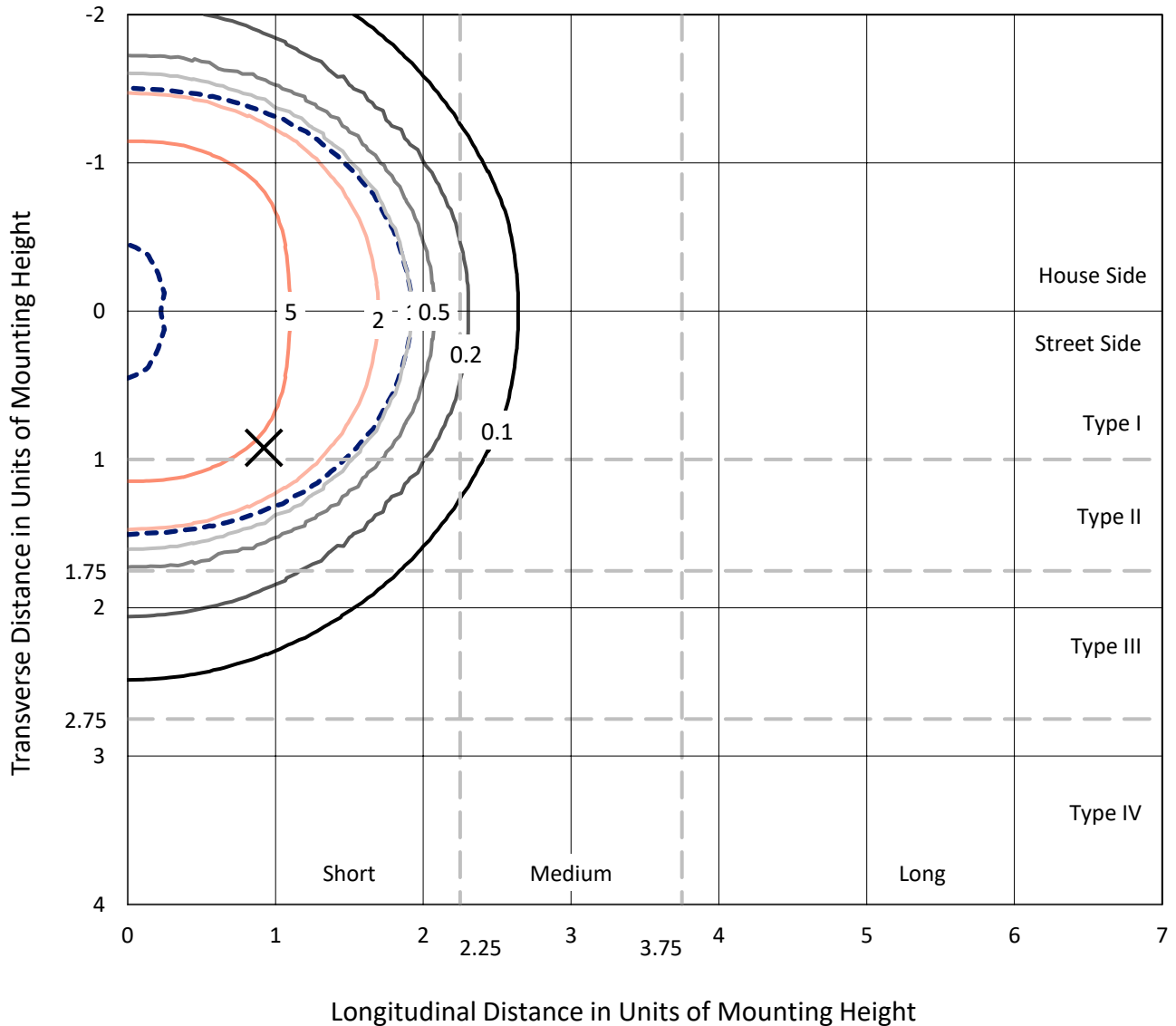
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

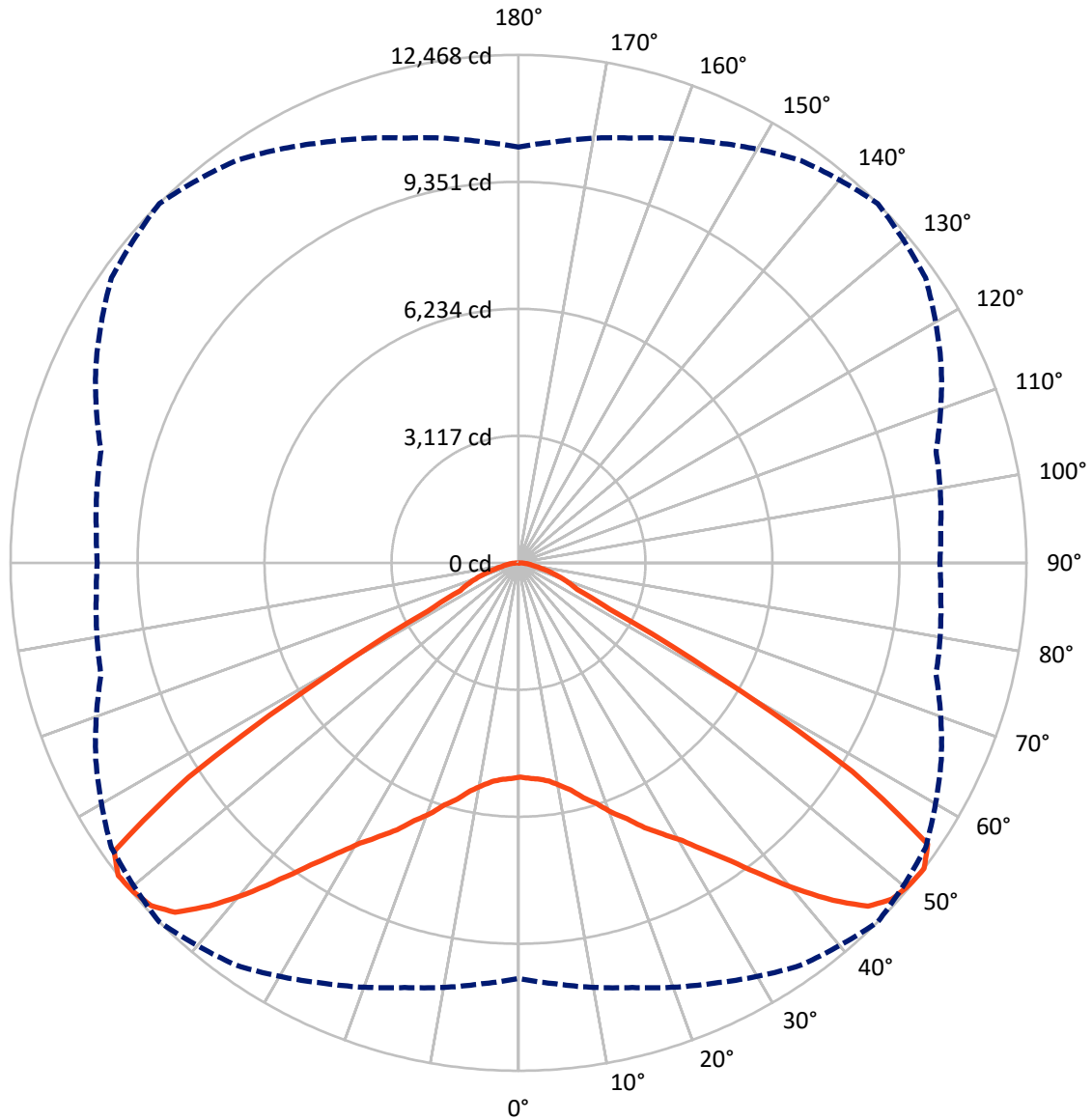
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15736.7	0.0	15736.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15736.7	0.0	15736.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	31473.5	0.0	31473.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.9	1.6
10°-20°	1698.5	5.4
20°-30°	3233.7	10.3
30°-40°	5552.5	17.6
40°-50°	8534.3	27.1
50°-60°	8666.4	27.5
60°-70°	2415.2	7.7
70°-80°	712.5	2.3
80°-90°	143.5	0.5
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°	31473.5	100.0
0°-180°	31473.5	100.0

Coefficient of Utilization

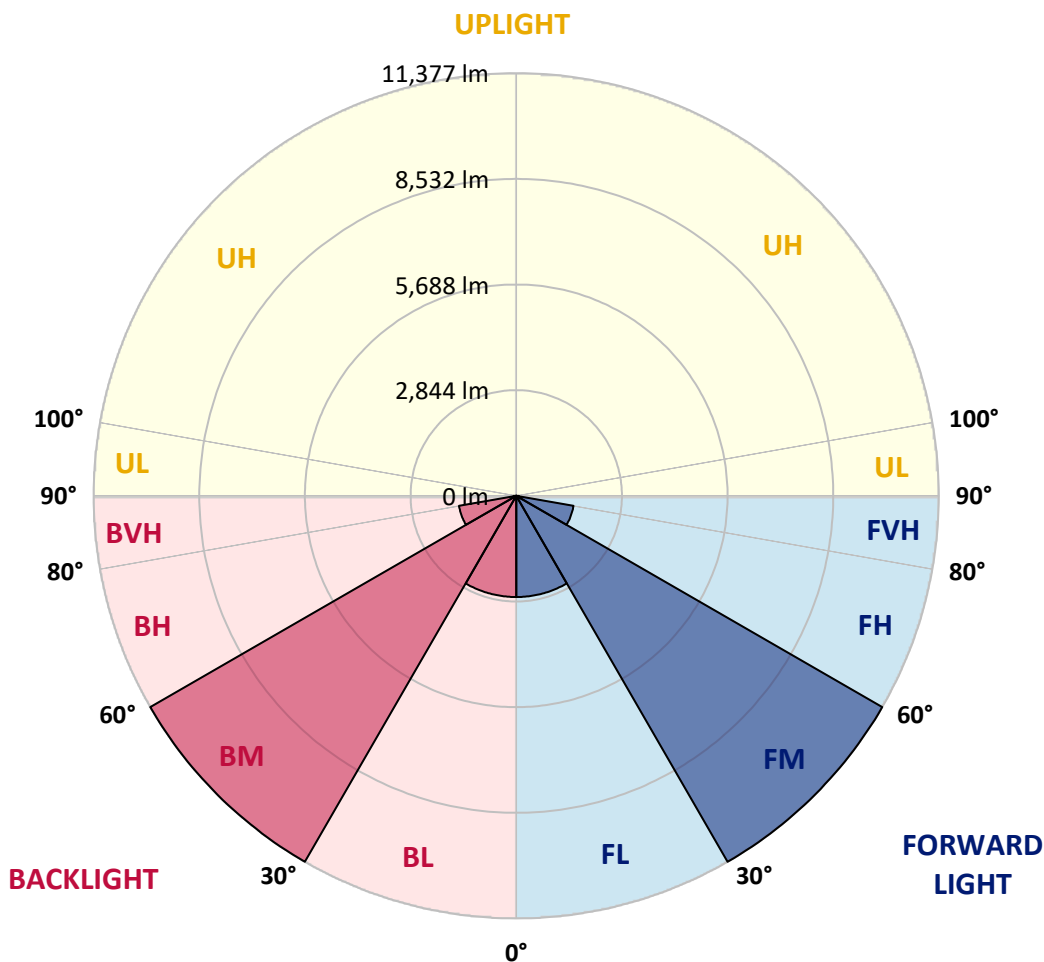


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2724.5	8.7			
FM (30°-60°)	11376.6	36.1			
FH (60°-80°)	1563.8	5.0			G1/1800
FVH (80°-90°)	71.8	0.2			G1/100
BL (0°-30°)	2724.5	8.7	B4/5000		
BM (30°-60°)	11376.6	36.1	B5		
BH (60°-80°)	1563.8	5.0	B3/2500		G1/1800
BVH (80°-90°)	71.8	0.2			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°	5261.2	5261.2	5261.2	5261.2	5261.2	5261.2	5261.2	5261.2	5261.2	5261.2	5261.2
2.5°	5273.0	5218.2	5237.8	5249.5	5300.3	5296.4	5284.6	5300.3	5315.9	5319.8	5312.0
5°	5269.0	5230.0	5245.6	5257.3	5308.1	5335.4	5327.6	5394.0	5440.9	5429.2	5487.7
7.5°	5237.8	5261.2	5241.6	5300.3	5343.2	5409.6	5479.9	5542.5	5601.0	5667.4	5679.1
10°	5308.1	5308.1	5343.2	5390.1	5503.4	5554.1	5655.7	5745.5	5858.8	5936.9	5905.7
12.5°	5382.3	5394.0	5394.0	5515.1	5608.9	5722.1	5815.8	5936.9	6097.1	6190.8	6237.7
15°	5456.5	5464.3	5503.4	5667.4	5808.1	5987.7	6073.7	6183.0	6272.8	6448.6	6452.5
17.5°	5522.9	5565.9	5683.0	5866.6	6042.4	6214.2	6350.9	6464.2	6542.4	6612.7	6597.0
20°	5772.9	5804.1	5925.2	6108.8	6370.5	6538.4	6585.3	6604.8	6655.6	6796.2	6753.2
22.5°	6015.0	6026.8	6140.1	6421.2	6604.8	6827.4	6878.3	6866.5	6886.0	6921.2	6983.7
25°	6265.0	6284.5	6440.8	6679.1	6936.8	7202.4	7245.4	7155.5	7128.2	7167.3	7171.2
27.5°	6585.3	6589.2	6788.4	6995.4	7288.3	7538.3	7604.7	7534.4	7405.5	7436.8	7487.5
30°	6991.5	6964.2	7163.4	7460.2	7768.8	7909.4	8022.6	7987.5	7846.9	7819.6	7776.6
32.5°	7460.2	7468.0	7647.7	7971.9	8175.0	8409.3	8530.4	8471.8	8382.0	8335.1	8362.4
35°	8120.3	8155.4	8276.5	8546.1	8874.1	8991.3	9182.7	9057.7	8823.4	8882.0	8932.7
37.5°	8663.2	8764.7	8991.3	9311.6	9506.9	9721.7	9792.0	9624.1	9452.2	9381.9	9549.9
40°	9495.1	9463.9	9713.9	10034.1	10323.2	10538.0	10448.2	10280.2	9854.5	9858.4	9905.3
42.5°	10209.9	10225.6	10417.0	10799.8	11194.2	11327.0	11041.9	10631.8	10159.2	10108.4	10209.9
45°	10811.4	10873.9	10983.3	11495.0	11881.6	12026.2	11498.9	11014.5	10381.8	10170.9	10338.8
47.5°	11026.3	11127.8	11366.1	11834.8	12217.5	12334.8	11912.9	11217.6	10588.8	10245.1	10334.9
50°	11057.5	11022.4	11412.9	11842.6	12178.5	12432.4	12061.3	11366.1	10538.0	10358.4	10331.1
52.5°	10202.1	10374.0	10791.9	11381.7	12061.3	12467.6	12194.1	11448.1	10608.3	10405.2	10338.8
55°	8257.0	8053.9	8815.6	9807.6	11057.5	12186.3	12147.2	11491.1	10651.3	10483.4	10393.5
57.5°	4608.9	4667.5	5097.2	6175.2	7788.3	9663.1	10799.8	11038.0	10631.8	10534.1	10581.0
60°	2132.6	2152.2	2335.7	2839.5	3839.4	5479.9	6975.9	8495.2	9194.4	9335.0	9335.0
62.5°	1589.7	1581.9	1628.7	1718.6	1929.5	2519.3	3363.0	4569.9	5530.7	6202.5	6378.3
65°	1437.4	1433.4	1456.9	1488.2	1503.8	1585.8	1773.3	2144.3	2456.8	2636.4	2605.2
67.5°	1257.7	1253.8	1261.6	1281.1	1308.5	1351.5	1398.3	1476.4	1585.8	1578.0	1558.4
70°	1015.6	1015.6	1027.2	1042.9	1074.1	1124.9	1179.6	1234.2	1328.0	1347.5	1343.6
72.5°	750.0	738.2	761.6	792.9	824.1	886.7	945.2	996.0	1062.4	1081.9	1074.1
75°	476.5	484.4	499.9	535.1	589.8	632.7	695.2	738.2	781.2	796.8	800.7
77.5°	265.6	273.4	300.8	343.7	398.4	445.3	499.9	535.1	562.4	566.3	570.3
80°	160.1	164.0	191.4	230.4	277.3	328.1	371.1	406.2	429.6	418.0	414.1
82.5°	97.6	101.6	125.0	160.1	199.2	238.3	285.1	316.4	339.8	324.2	308.6
85°	50.7	54.7	74.2	97.6	128.9	148.5	148.5	132.8	128.9	121.1	117.2
87.5°	15.7	15.7	19.5	23.4	19.5	23.4	27.3	31.2	31.2	35.2	31.2
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)