

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: P647034

Luminaire Tested: **GALN-SA7C-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-835-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33842.8 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

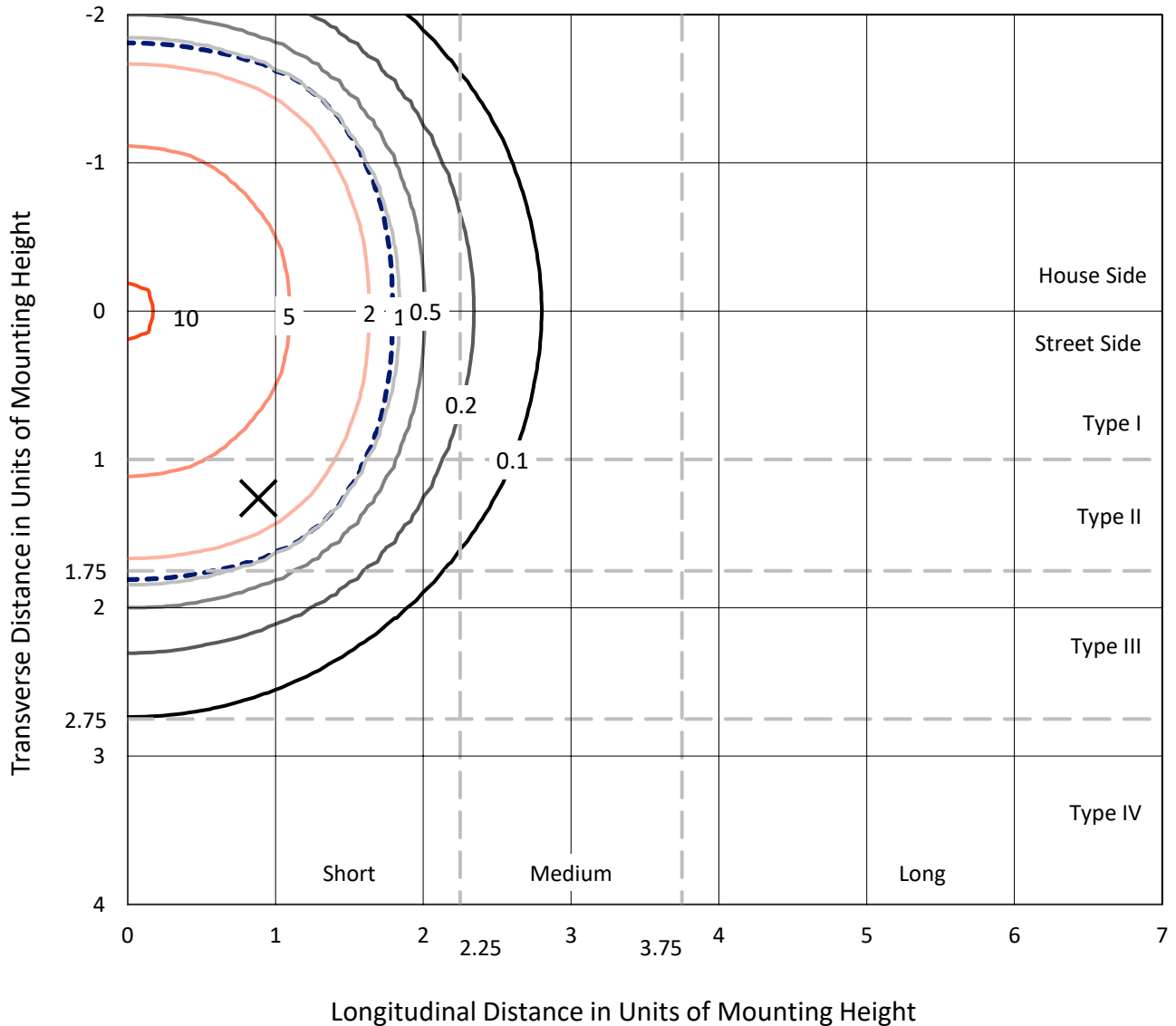
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

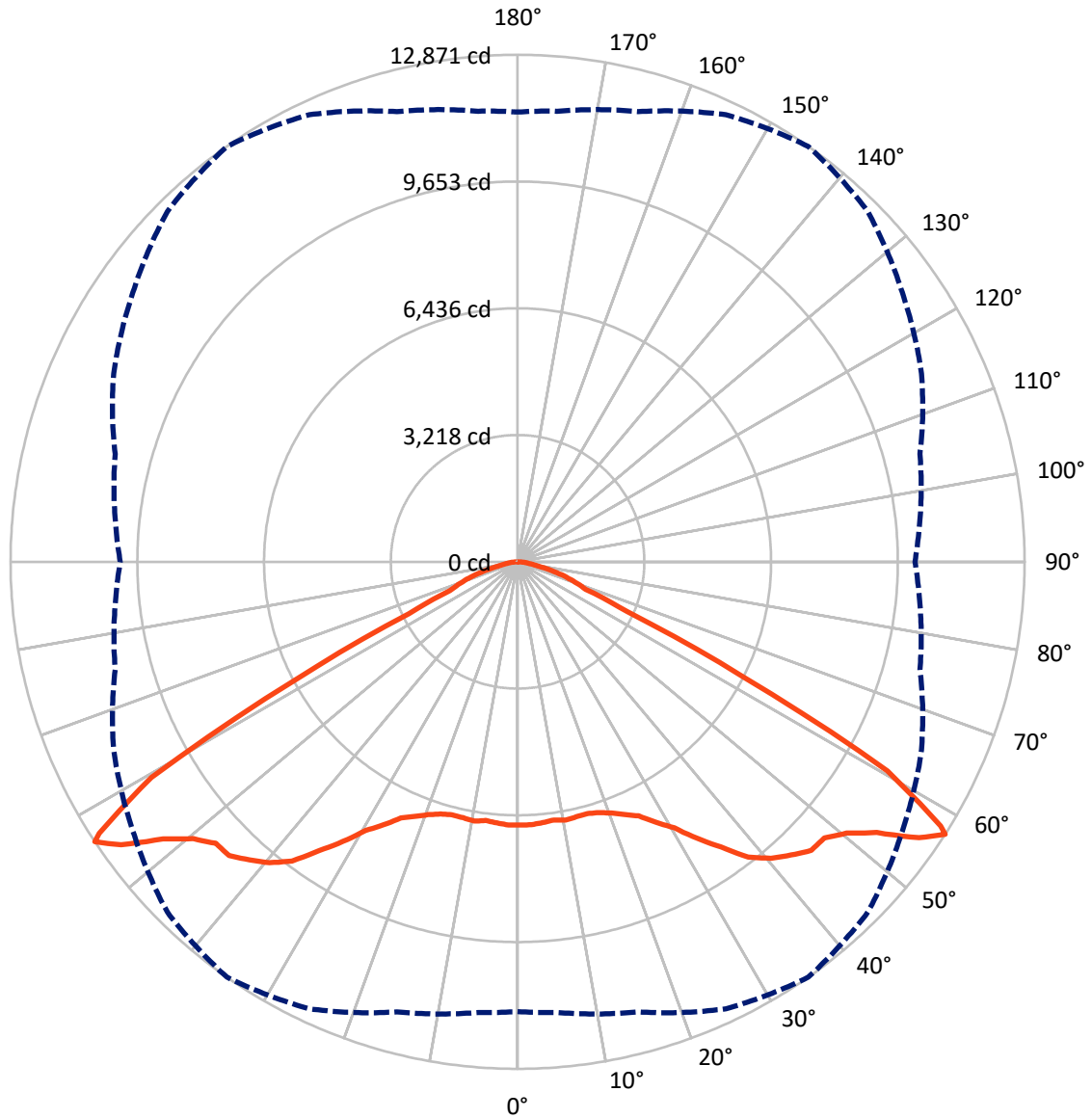
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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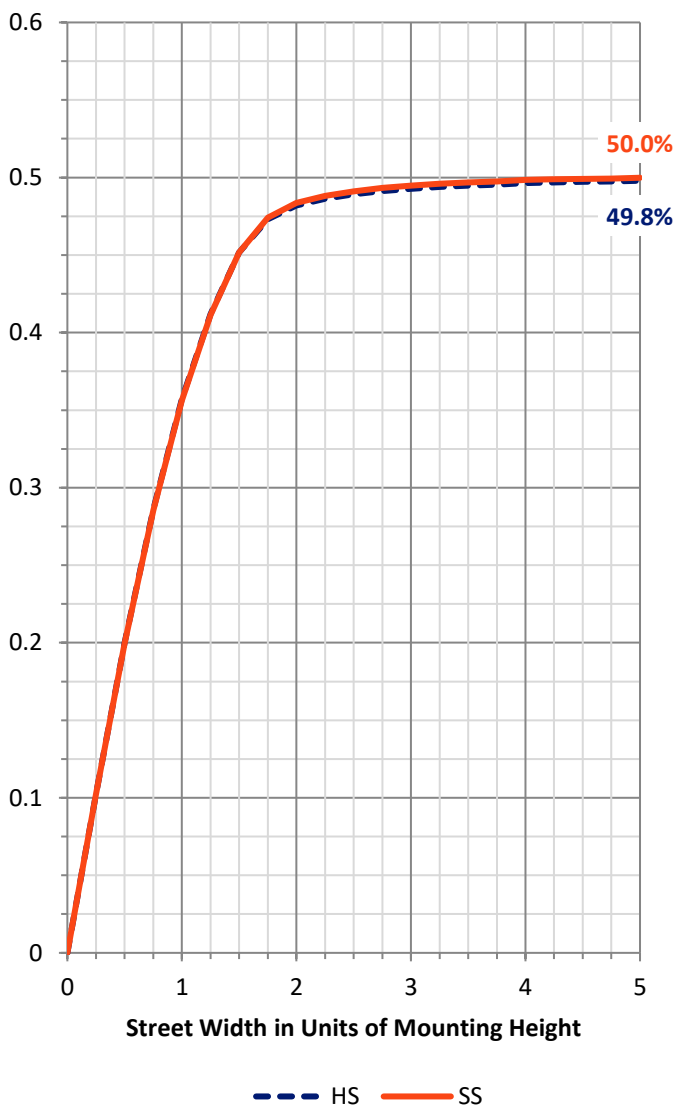
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16921.4	0.0	16921.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16921.4	0.0	16921.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	33842.8	0.0	33842.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.6	1.9
10°-20°	1876.7	5.5
20°-30°	3277.6	9.7
30°-40°	5370.4	15.9
40°-50°	7874.3	23.3
50°-60°	9918.3	29.3
60°-70°	3730.2	11.0
70°-80°	991.8	2.9
80°-90°	170.1	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°	33842.8	100.0
0°-180°	33842.8	100.0

Coefficient of Utilization

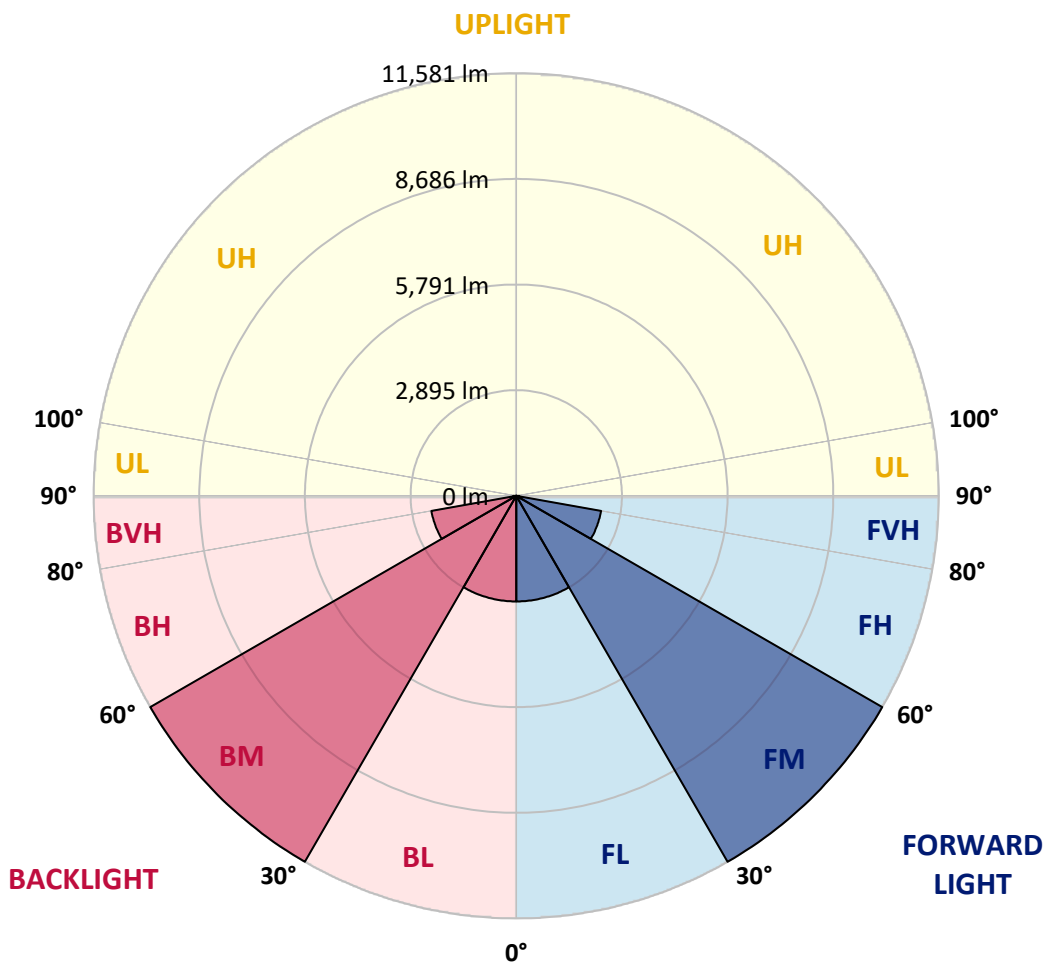


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2893.9	8.6			
FM (30°-60°)	11581.5	34.2			
FH (60°-80°)	2361.0	7.0			G2/5000
FVH (80°-90°)	85.0	0.3			G1/100
BL (0°-30°)	2893.9	8.6	B4/5000		
BM (30°-60°)	11581.5	34.2	B5		
BH (60°-80°)	2361.0	7.0	B3/2500		G2/5000
BVH (80°-90°)	85.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6683.7	6683.7	6683.7	6683.7	6683.7	6683.7	6683.7	6683.7	6683.7	6683.7	6683.7
2.5°	6650.3	6717.0	6687.9	6671.2	6683.7	6662.9	6629.5	6667.0	6658.7	6625.4	6612.8
5°	6633.7	6683.7	6650.3	6683.7	6650.3	6708.7	6692.1	6629.5	6704.6	6633.7	6658.7
7.5°	6621.2	6637.9	6646.2	6629.5	6617.0	6687.9	6650.3	6621.2	6579.5	6566.9	6587.8
10°	6592.0	6633.7	6571.2	6654.6	6671.2	6621.2	6621.2	6566.9	6533.6	6512.8	6583.6
12.5°	6667.0	6596.1	6587.8	6629.5	6642.0	6662.9	6604.5	6575.3	6512.8	6521.1	6508.6
15°	6579.5	6608.7	6612.8	6621.2	6633.7	6683.7	6629.5	6566.9	6542.0	6454.3	6462.7
17.5°	6612.8	6583.6	6612.8	6708.7	6692.1	6729.6	6671.2	6575.3	6516.9	6466.9	6533.6
20°	6671.2	6658.7	6671.2	6788.0	6808.8	6842.2	6792.1	6704.6	6592.0	6533.6	6566.9
22.5°	6733.7	6725.4	6733.7	6846.3	6967.2	7008.9	6958.9	6754.6	6696.2	6587.8	6550.3
25°	6846.3	6854.7	6942.2	7067.3	7146.5	7225.8	7134.0	6988.1	6800.4	6733.7	6654.6
27.5°	7096.5	7117.3	7167.3	7350.8	7488.5	7559.3	7430.0	7229.9	7113.2	6975.6	6954.8
30°	7405.1	7405.1	7492.6	7651.0	7838.7	7947.1	7788.7	7550.9	7409.2	7334.1	7288.3
32.5°	7813.6	7767.8	7801.1	8080.5	8372.4	8464.1	8251.4	7959.6	7734.4	7634.3	7601.0
35°	8163.9	8193.1	8268.1	8568.3	8893.5	9106.2	8772.7	8393.2	8163.9	8072.2	8055.5
37.5°	8618.3	8668.4	8705.9	9118.7	9510.6	9589.9	9268.8	8964.4	8685.0	8610.0	8568.3
40°	9260.5	9227.1	9239.6	9544.0	9898.4	9948.4	9631.5	9414.7	9185.4	9139.6	9139.6
42.5°	9790.0	9752.5	9794.2	9906.8	10177.7	10140.2	9965.1	9806.7	9710.8	9660.7	9710.8
45°	10111.0	10102.7	10177.7	10261.1	10453.0	10327.8	10190.3	10215.3	10123.6	10040.2	10036.0
47.5°	10461.3	10407.1	10498.8	10623.9	10477.9	10419.6	10411.2	10465.4	10436.3	10290.3	10244.5
50°	10632.2	10611.4	10757.3	10903.3	10824.0	10690.6	10719.8	10807.4	10432.1	10236.2	10123.6
52.5°	11090.9	11095.0	11374.4	11453.6	11420.3	11224.3	11286.9	11049.1	10607.2	10332.0	10344.5
55°	11812.2	11783.0	12095.7	12329.2	12366.7	12116.5	11816.3	11482.8	10928.3	10648.9	10565.5
57°	11416.1	11482.8	11828.9	12521.0	12871.3	12575.2	11920.6	11311.8	10573.9	10236.2	10086.1
57.5°	10886.6	10995.0	11595.4	12291.7	12658.6	12633.5	11791.4	10995.0	10336.2	9810.8	9823.4
60°	7976.3	7997.1	8539.2	9644.1	10790.7	10815.7	9790.0	8735.1	8001.2	7430.0	7509.3
62.5°	4207.1	4302.9	4519.7	5407.9	6400.2	6642.0	6020.7	5478.7	4845.0	4411.3	4453.0
65°	2226.5	2214.0	2318.2	2568.4	3056.2	3181.3	3097.9	2668.5	2447.5	2376.6	2380.8
67.5°	1809.6	1830.4	1817.9	1830.4	1863.8	1918.0	1905.4	1922.1	1934.6	1955.5	1951.3
70°	1534.4	1534.4	1542.7	1546.9	1546.9	1571.9	1601.1	1655.3	1659.5	1680.3	1688.6
72.5°	1209.2	1200.8	1213.3	1242.5	1246.7	1267.5	1309.3	1342.6	1355.1	1355.1	1330.1
75°	821.4	829.7	846.4	871.4	896.5	934.0	967.3	988.1	996.5	984.0	971.5
77.5°	462.8	471.1	483.7	521.2	550.4	583.7	621.2	642.1	663.0	667.1	642.1
80°	275.2	275.2	296.1	325.3	358.6	392.0	425.3	450.3	458.7	458.7	446.2
82.5°	166.8	170.9	187.6	216.8	246.0	266.8	296.1	316.9	333.6	329.4	321.0
85°	87.5	87.5	104.2	129.3	150.1	170.9	170.9	158.5	150.1	129.3	120.9
87.5°	29.2	25.1	33.4	33.4	29.2	33.4	33.4	37.5	37.5	37.5	37.5
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)