

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: P532308

Luminaire Tested: **GALN-SA7C-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33012 lumens
Efficiency: N/A
Efficacy: 87.6 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

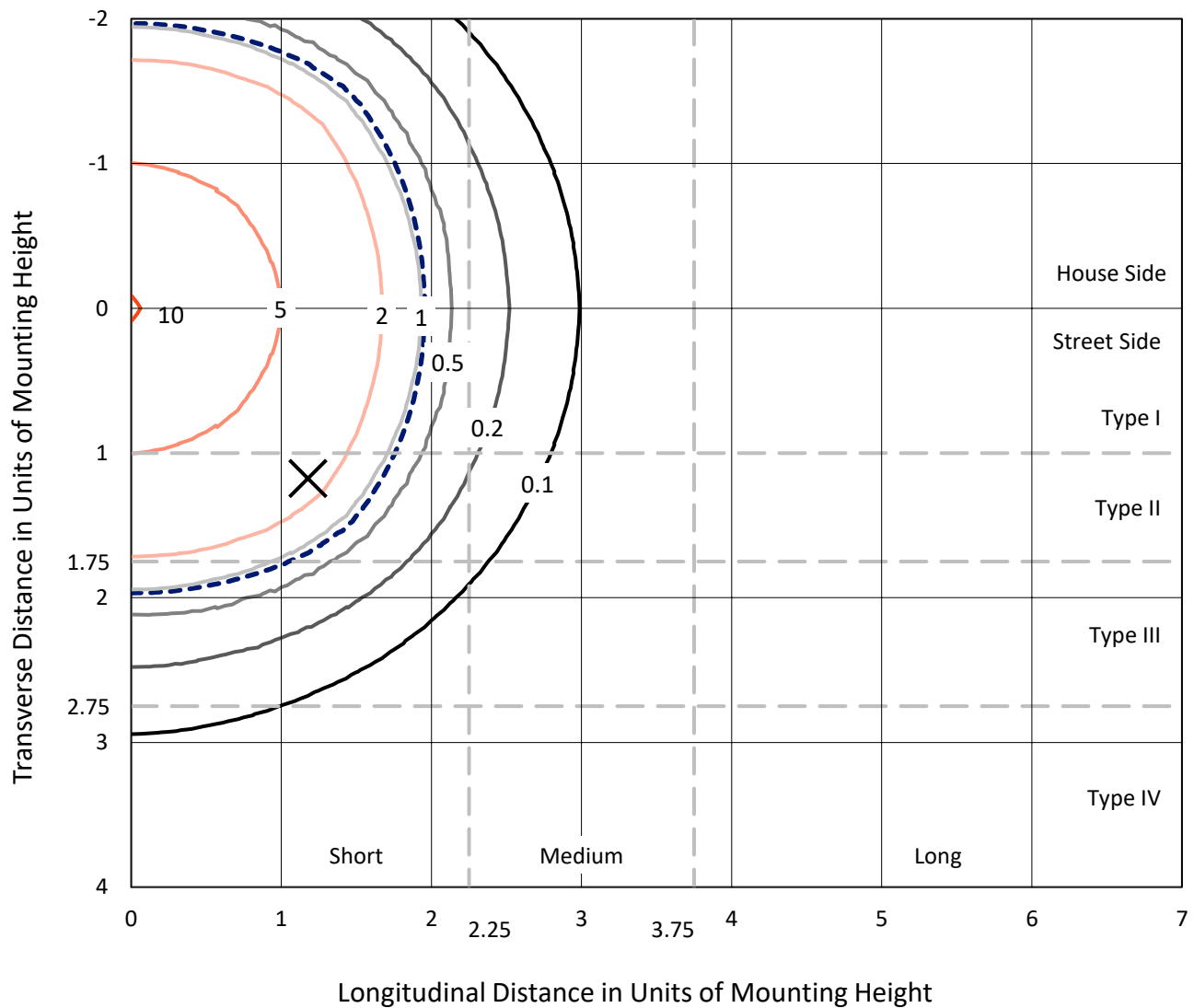


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Iso-Footcandle Lines of Horizontal Illumination

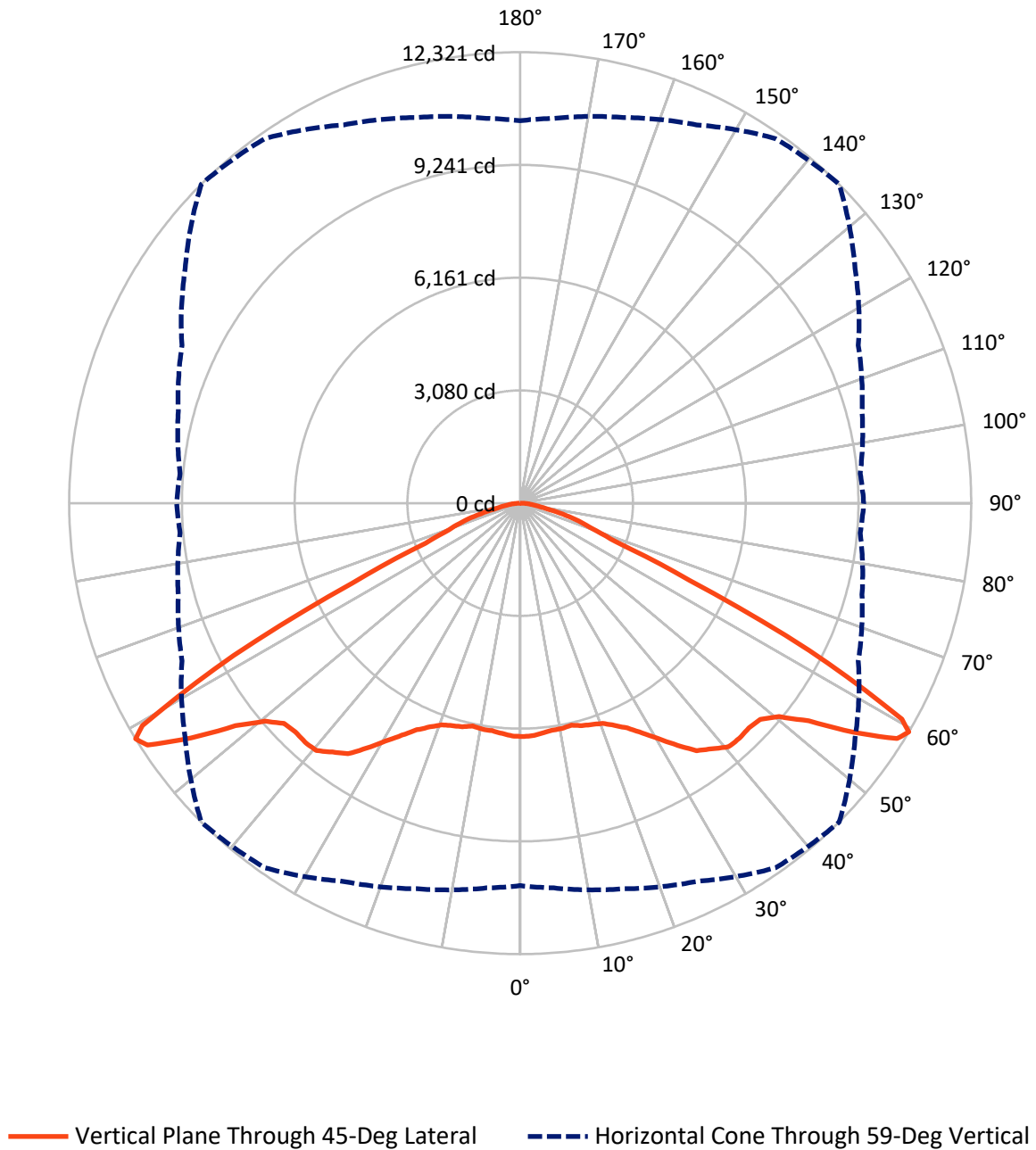
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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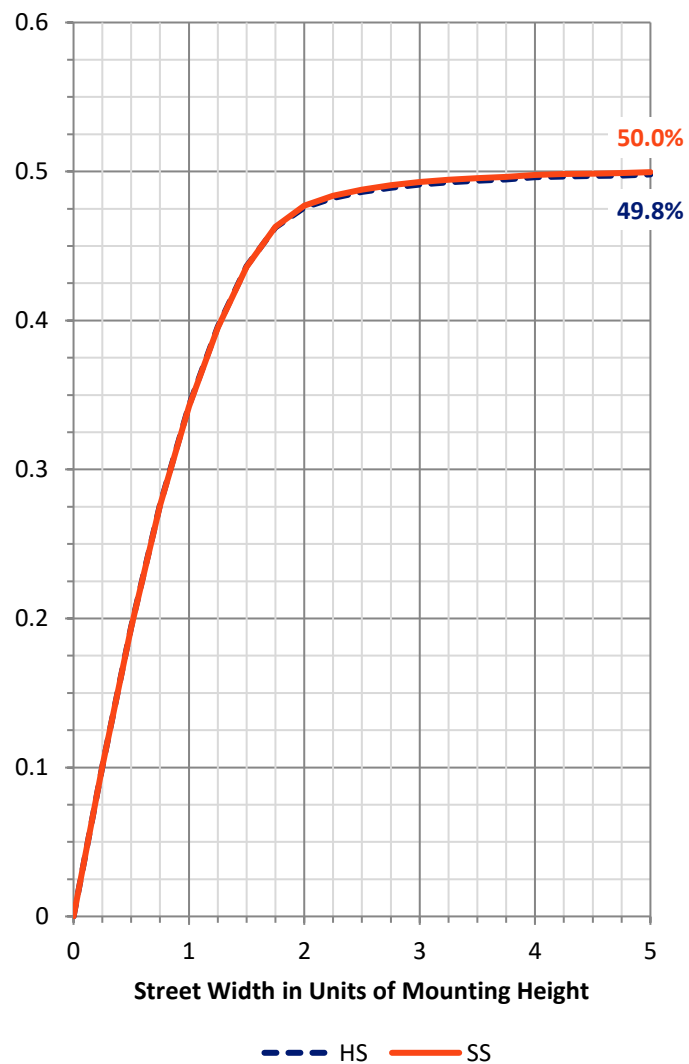
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16506.0	0.0	16506.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16506.0	0.0	16506.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33012.0	0.0	33012.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.1	1.8
10°-20°	1787.5	5.4
20°-30°	3121.2	9.5
30°-40°	4985.0	15.1
40°-50°	6790.6	20.6
50°-60°	9182.7	27.8
60°-70°	5035.8	15.3
70°-80°	1288.3	3.9
80°-90°	219.7	0.7
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°	33012.0	100.0
0°-180°	33012.0	100.0

Coefficient of Utilization



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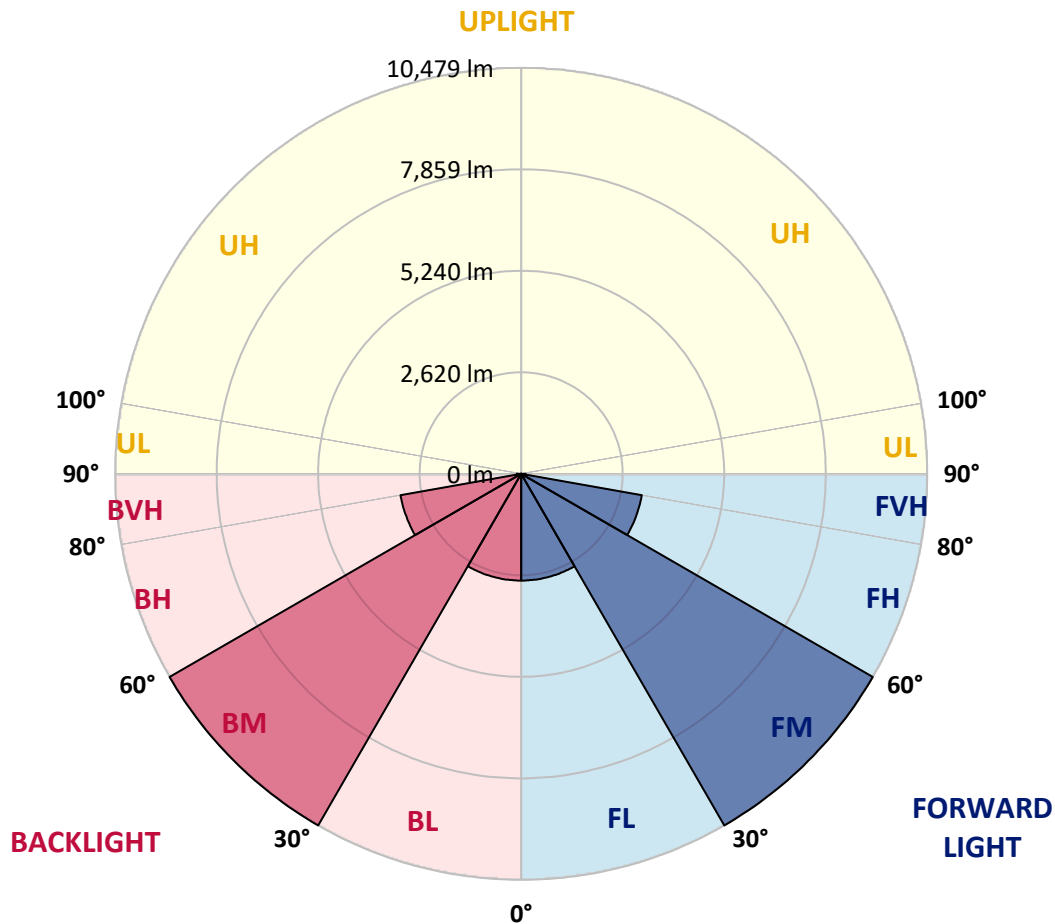
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2754.9	8.3			
FM	(30°-60°)	10479.2	31.7			
FH	(60°-80°)	3162.1	9.6			G2/5000
FVH	(80°-90°)	109.9	0.3			G2/225
BL	(0°-30°)	2754.9	8.3	B4/5000		
BM	(30°-60°)	10479.2	31.7	B5		
BH	(60°-80°)	3162.1	9.6	B4/5000		G2/5000
BVH	(80°-90°)	109.9	0.3			G2/225
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°	6376.3	6376.3	6376.3	6376.3	6376.3	6376.3	6376.3	6376.3	6376.3	6376.3	6376.3
2.5°	6338.3	6384.8	6351.0	6380.6	6376.3	6363.6	6342.5	6329.8	6312.9	6338.3	6295.9
5°	6312.9	6351.0	6389.0	6338.3	6338.3	6312.9	6300.2	6274.8	6274.8	6270.6	6266.3
7.5°	6355.2	6317.1	6300.2	6308.6	6317.1	6262.1	6300.2	6249.4	6207.1	6236.7	6270.6
10°	6317.1	6334.0	6270.6	6300.2	6253.6	6262.1	6236.7	6270.6	6224.0	6224.0	6224.0
12.5°	6355.2	6308.6	6329.8	6308.6	6295.9	6224.0	6257.9	6219.8	6215.6	6257.9	6219.8
15°	6431.3	6355.2	6338.3	6295.9	6308.6	6308.6	6274.8	6279.0	6232.5	6257.9	6266.3
17.5°	6406.0	6363.6	6351.0	6300.2	6342.5	6355.2	6291.7	6249.4	6279.0	6274.8	6270.6
20°	6427.1	6444.0	6431.3	6439.8	6456.7	6422.9	6363.6	6304.4	6266.3	6321.3	6317.1
22.5°	6562.5	6545.6	6537.1	6528.7	6558.3	6592.1	6511.7	6418.7	6418.7	6456.7	6473.7
25°	6672.5	6668.3	6664.1	6702.1	6803.7	6803.7	6702.1	6583.7	6554.0	6579.4	6558.3
27.5°	6833.3	6879.8	6862.9	6930.6	7078.7	7112.6	6977.2	6837.5	6757.1	6727.5	6765.6
30°	7201.4	7146.4	7159.1	7231.0	7362.2	7472.2	7264.9	7116.8	7006.8	7002.5	7019.5
32.5°	7446.8	7489.1	7527.2	7594.9	7802.2	7886.9	7637.2	7396.0	7328.3	7290.3	7303.0
35°	7937.6	7899.6	7891.1	7958.8	8166.1	8305.7	7992.6	7781.1	7692.2	7776.8	7776.8
37.5°	8403.1	8297.3	8216.9	8305.7	8496.1	8513.1	8246.5	8132.3	8085.7	8183.0	8178.8
40°	8623.1	8614.6	8428.4	8479.2	8733.1	8758.5	8508.8	8373.4	8365.0	8491.9	8618.8
42.5°	8851.6	8771.2	8585.0	8618.8	8775.4	8783.9	8546.9	8508.8	8601.9	8724.6	8733.1
45°	8889.6	8821.9	8703.5	8618.8	8733.1	8758.5	8618.8	8644.2	8652.7	8800.8	8800.8
47.5°	8965.8	8957.3	8889.6	8826.2	8847.3	8826.2	8737.3	8775.4	8902.3	8974.3	8940.4
50°	9177.4	9088.5	9156.2	9101.2	9105.4	9164.7	9084.3	9122.4	9097.0	9033.5	8991.2
52.5°	9642.8	9600.5	9659.7	9697.8	9740.1	9875.5	9782.4	9579.3	9388.9	9219.7	9215.4
55°	10324.0	10353.6	10467.9	10662.5	10827.5	11043.3	10594.8	10108.2	9803.6	9537.0	9553.9
57.5°	10967.1	10946.0	11102.5	11546.8	12029.2	12139.2	11259.1	10565.2	10070.1	9900.9	9829.0
59°	10450.9	10552.5	10907.9	11402.9	12160.3	12321.1	11170.2	10192.8	9668.2	9325.4	9384.7
60°	9638.6	9676.6	9994.0	10683.6	11707.6	11982.6	10573.6	9617.4	8919.3	8720.4	8809.2
62.5°	6812.1	6782.5	7011.0	7573.8	8491.9	8864.3	7861.5	7188.7	6748.7	6528.7	6579.4
65°	3621.9	3757.3	3850.3	4201.5	4688.1	5081.6	4667.0	4375.0	4129.6	3947.7	3943.4
67.5°	2445.6	2428.7	2449.8	2530.2	2695.2	2805.3	2796.8	2648.7	2627.5	2593.7	2631.8
70°	2060.6	2052.1	2014.0	2014.0	2047.9	2073.3	2102.9	2119.8	2153.7	2196.0	2191.7
72.5°	1671.3	1650.1	1624.8	1612.1	1654.4	1667.1	1705.2	1722.1	1751.7	1747.5	1785.5
75°	1104.3	1104.3	1133.9	1167.8	1180.5	1205.9	1210.1	1260.9	1260.9	1269.3	1235.5
77.5°	617.7	600.8	622.0	655.8	685.4	732.0	778.5	816.6	837.8	829.3	829.3
80°	359.6	359.6	380.8	418.9	457.0	499.3	533.1	562.7	583.9	575.4	558.5
82.5°	224.3	224.3	245.4	283.5	313.1	338.5	385.0	423.1	448.5	440.0	418.9
85°	114.2	114.2	139.6	165.0	203.1	220.0	215.8	198.9	194.6	173.5	173.5
87.5°	29.6	29.6	42.3	46.5	38.1	42.3	42.3	42.3	42.3	42.3	46.5
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)