

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: P532884

Luminaire Tested: **GALN-SA8B-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532884
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-SA8B-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA 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: 37505 lumens
Efficiency: N/A
Efficacy: 115.4 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

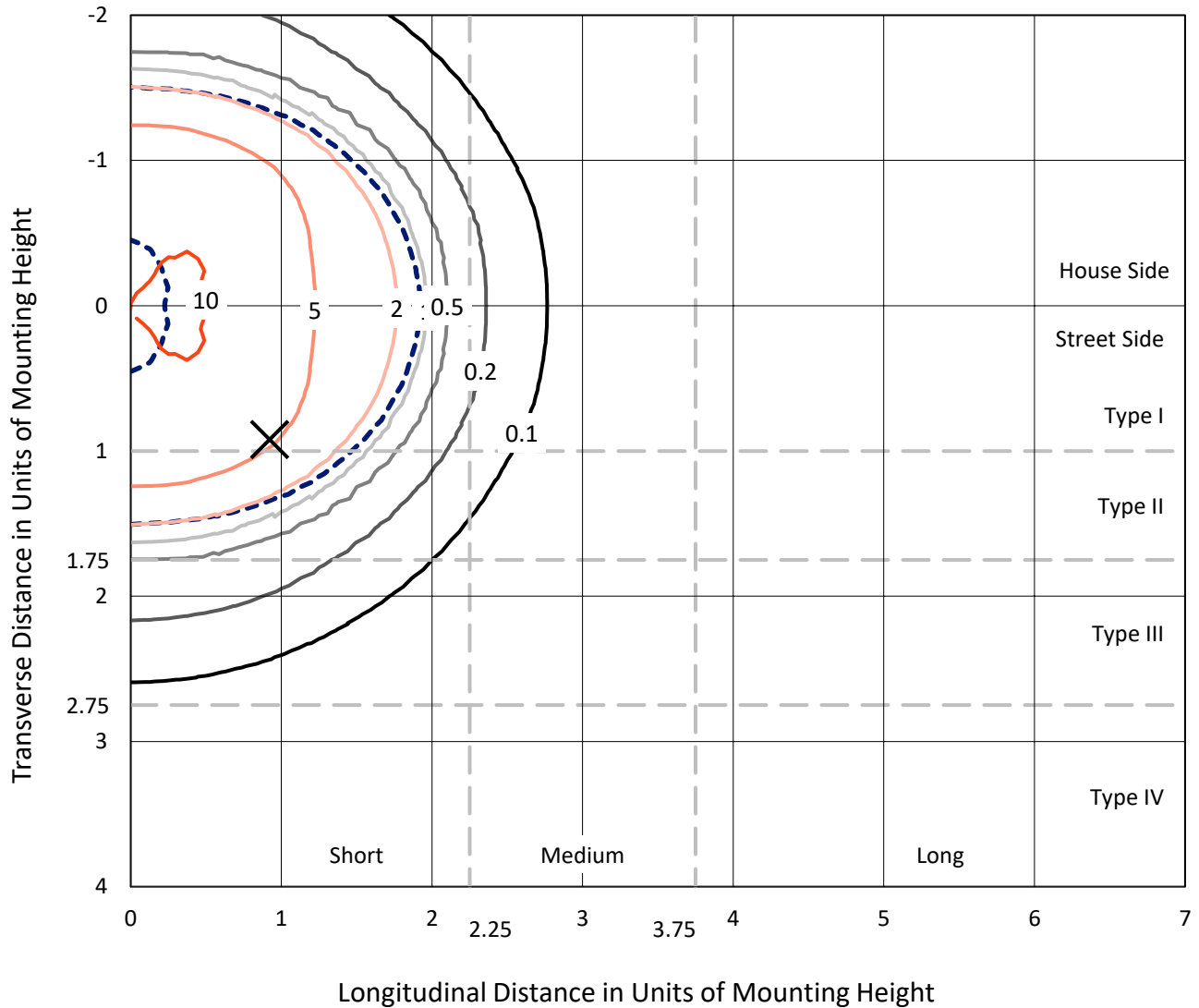
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

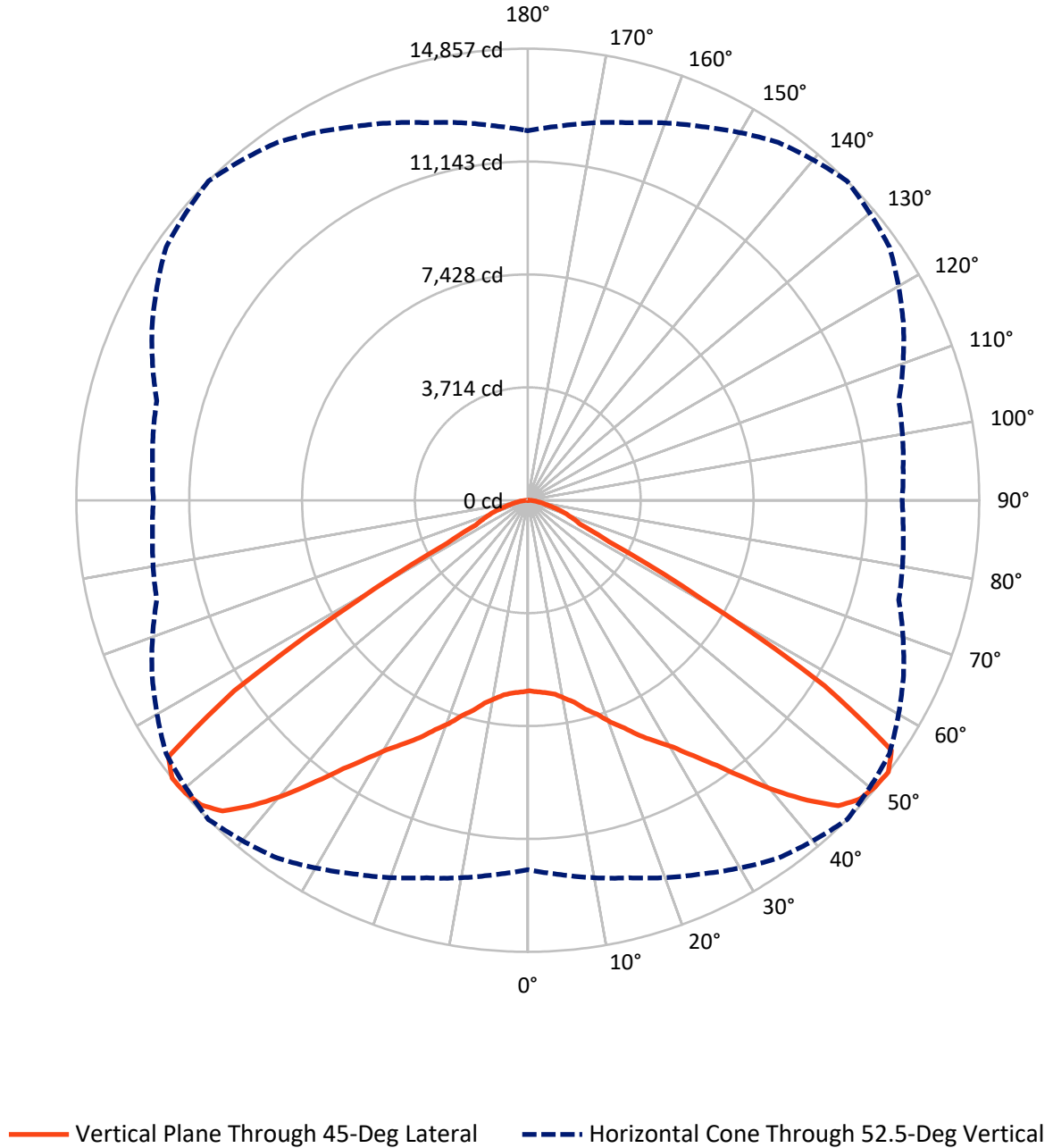
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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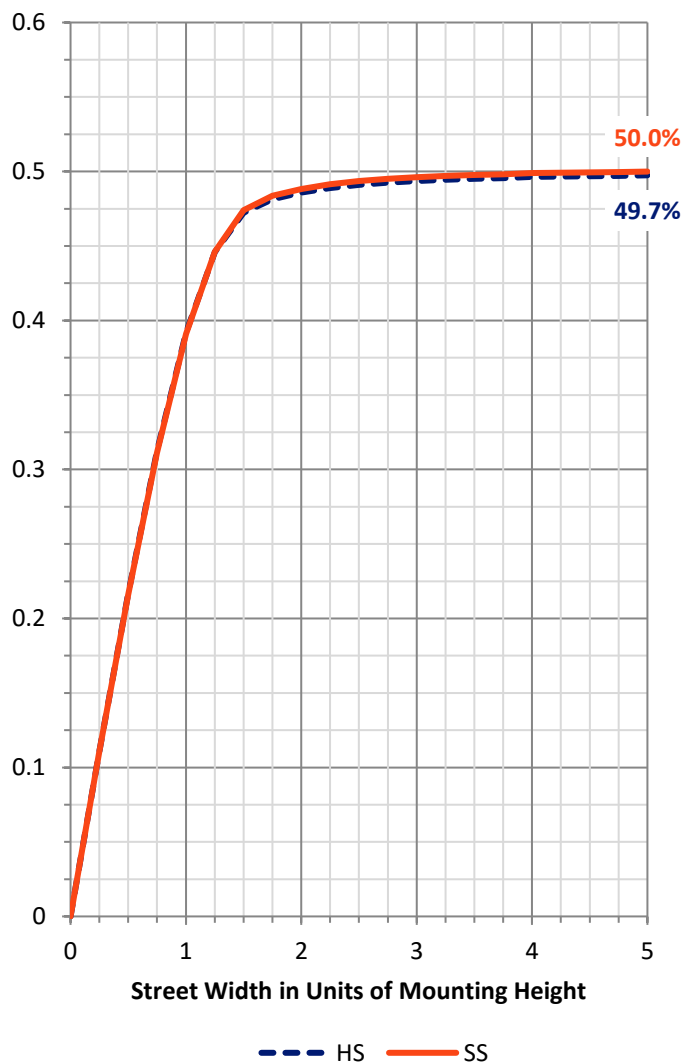
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18752.5	0.0	18752.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18752.5	0.0	18752.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37505.0	0.0	37505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.0	1.6
10°-20°	2024.0	5.4
20°-30°	3853.4	10.3
30°-40°	6616.5	17.6
40°-50°	10169.8	27.1
50°-60°	10327.3	27.5
60°-70°	2878.1	7.7
70°-80°	849.0	2.3
80°-90°	171.0	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°	37505.0	100.0
0°-180°	37505.0	100.0

Coefficient of Utilization



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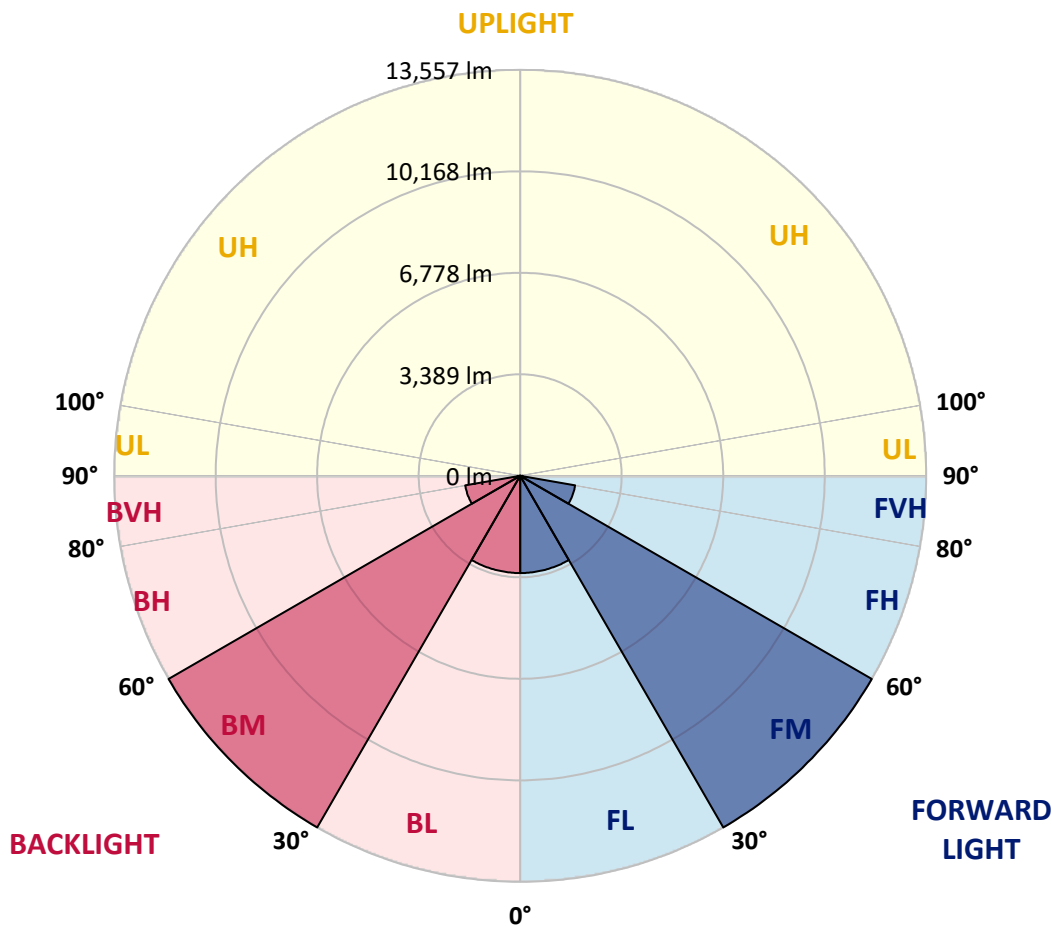
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3246.7	8.7			
FM (30°-60°)	13556.8	36.1			
FH (60°-80°)	1863.5	5.0			G2/5000
FVH (80°-90°)	85.5	0.2			G1/100
BL (0°-30°)	3246.7	8.7	B4/5000		
BM (30°-60°)	13556.8	36.1	B5		
BH (60°-80°)	1863.5	5.0	B3/2500		G2/5000
BVH (80°-90°)	85.5	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6269.5	6269.5	6269.5	6269.5	6269.5	6269.5	6269.5	6269.5	6269.5	6269.5	6269.5
2.5°	6283.4	6218.3	6241.5	6255.5	6316.0	6311.3	6297.4	6316.0	6334.6	6339.3	6330.0
5°	6278.8	6232.2	6250.8	6264.8	6325.3	6357.9	6348.6	6427.7	6483.6	6469.6	6539.4
7.5°	6241.5	6269.5	6246.2	6316.0	6367.2	6446.3	6530.1	6604.6	6674.4	6753.5	6767.5
10°	6325.3	6325.3	6367.2	6423.0	6558.0	6618.5	6739.5	6846.6	6981.6	7074.7	7037.4
12.5°	6413.7	6427.7	6427.7	6572.0	6683.7	6818.7	6930.4	7074.7	7265.5	7377.2	7433.1
15°	6502.2	6511.5	6558.0	6753.5	6921.1	7135.2	7237.6	7367.9	7474.9	7684.4	7689.0
17.5°	6581.3	6632.5	6772.1	6990.9	7200.3	7405.1	7568.0	7703.0	7796.1	7879.9	7861.3
20°	6879.2	6916.4	7060.7	7279.5	7591.3	7791.4	7847.3	7870.6	7931.1	8098.6	8047.4
22.5°	7167.8	7181.7	7316.7	7651.8	7870.6	8135.9	8196.4	8182.4	8205.7	8247.6	8322.0
25°	7465.6	7488.9	7675.1	7959.0	8266.2	8582.7	8633.9	8526.8	8494.3	8540.8	8545.4
27.5°	7847.3	7851.9	8089.3	8336.0	8685.1	8983.0	9062.1	8978.3	8824.7	8861.9	8922.5
30°	8331.3	8298.8	8536.1	8889.9	9257.6	9425.1	9560.1	9518.2	9350.7	9318.1	9266.9
32.5°	8889.9	8899.2	9113.3	9499.6	9741.6	10020.9	10165.2	10095.4	9988.3	9932.5	9965.0
35°	9676.5	9718.4	9862.6	10183.8	10574.8	10714.4	10942.5	10793.5	10514.3	10584.1	10644.6
37.5°	10323.4	10444.4	10714.4	11096.1	11328.8	11584.8	11668.5	11468.4	11263.6	11179.8	11380.0
40°	11314.8	11277.6	11575.5	11957.1	12301.5	12557.5	12450.5	12250.3	11743.0	11747.7	11803.5
42.5°	12166.6	12185.2	12413.2	12869.4	13339.5	13497.7	13157.9	12669.2	12106.1	12045.5	12166.6
45°	12883.3	12957.8	13088.1	13697.9	14158.6	14330.8	13702.5	13125.4	12371.4	12120.0	12320.2
47.5°	13139.3	13260.3	13544.3	14102.8	14558.9	14698.5	14195.9	13367.4	12618.0	12208.4	12315.5
50°	13176.6	13134.7	13600.1	14112.1	14512.4	14814.9	14372.7	13544.3	12557.5	12343.4	12310.8
52.5°	12157.3	12362.0	12860.1	13562.9	14372.7	14856.8	14531.0	13642.0	12641.3	12399.3	12320.2
55°	9839.4	9597.3	10504.9	11687.2	13176.6	14521.7	14475.1	13693.2	12692.5	12492.4	12385.3
57.5°	5492.2	5562.0	6074.0	7358.6	9280.8	11514.9	12869.4	13153.3	12669.2	12552.9	12608.7
60°	2541.3	2564.6	2783.3	3383.7	4575.3	6530.1	8312.7	10123.3	10956.4	11124.0	11124.0
62.5°	1894.3	1885.0	1940.9	2047.9	2299.3	3002.1	4007.4	5445.6	6590.6	7391.2	7600.6
65°	1712.8	1708.2	1736.1	1773.3	1791.9	1889.7	2113.1	2555.3	2927.6	3141.7	3104.5
67.5°	1498.7	1494.1	1503.4	1526.6	1559.2	1610.4	1666.3	1759.4	1889.7	1880.4	1857.1
70°	1210.1	1210.1	1224.1	1242.7	1280.0	1340.5	1405.6	1470.8	1582.5	1605.8	1601.1
72.5°	893.6	879.7	907.6	944.8	982.1	1056.5	1126.4	1186.9	1266.0	1289.3	1280.0
75°	567.8	577.1	595.8	637.7	702.8	754.0	828.5	879.7	930.9	949.5	954.1
77.5°	316.5	325.8	358.4	409.6	474.7	530.6	595.8	637.7	670.2	674.9	679.5
80°	190.8	195.5	228.1	274.6	330.5	391.0	442.2	484.1	512.0	498.0	493.4
82.5°	116.4	121.0	148.9	190.8	237.4	283.9	339.8	377.0	404.9	386.3	367.7
85°	60.5	65.2	88.4	116.4	153.6	176.9	176.9	158.2	153.6	144.3	139.6
87.5°	18.6	18.6	23.3	27.9	23.3	27.9	32.6	37.2	37.2	41.9	37.2
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)