

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: P955733

Luminaire Tested: **GALN-SB8C-835-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57841 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

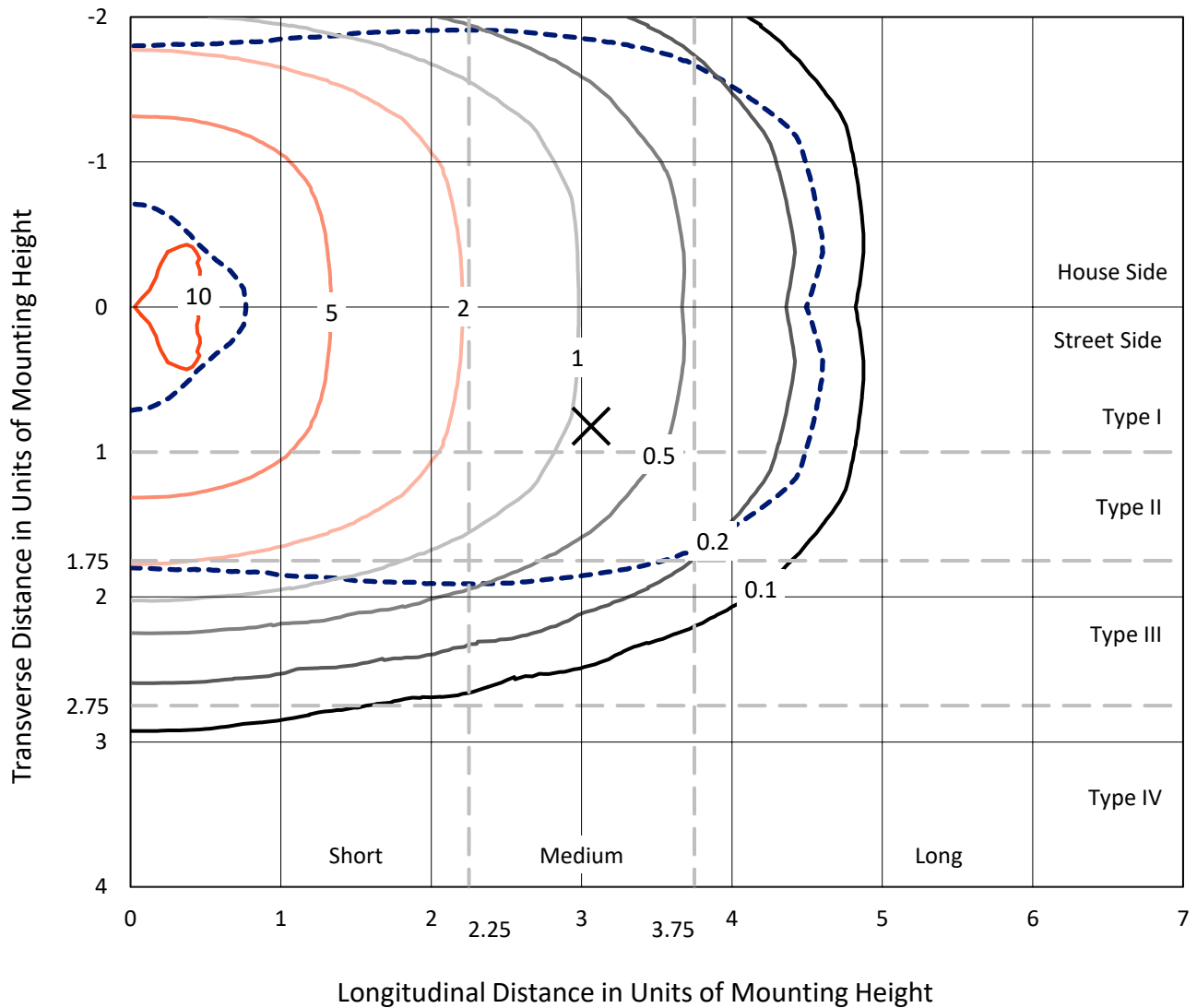
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

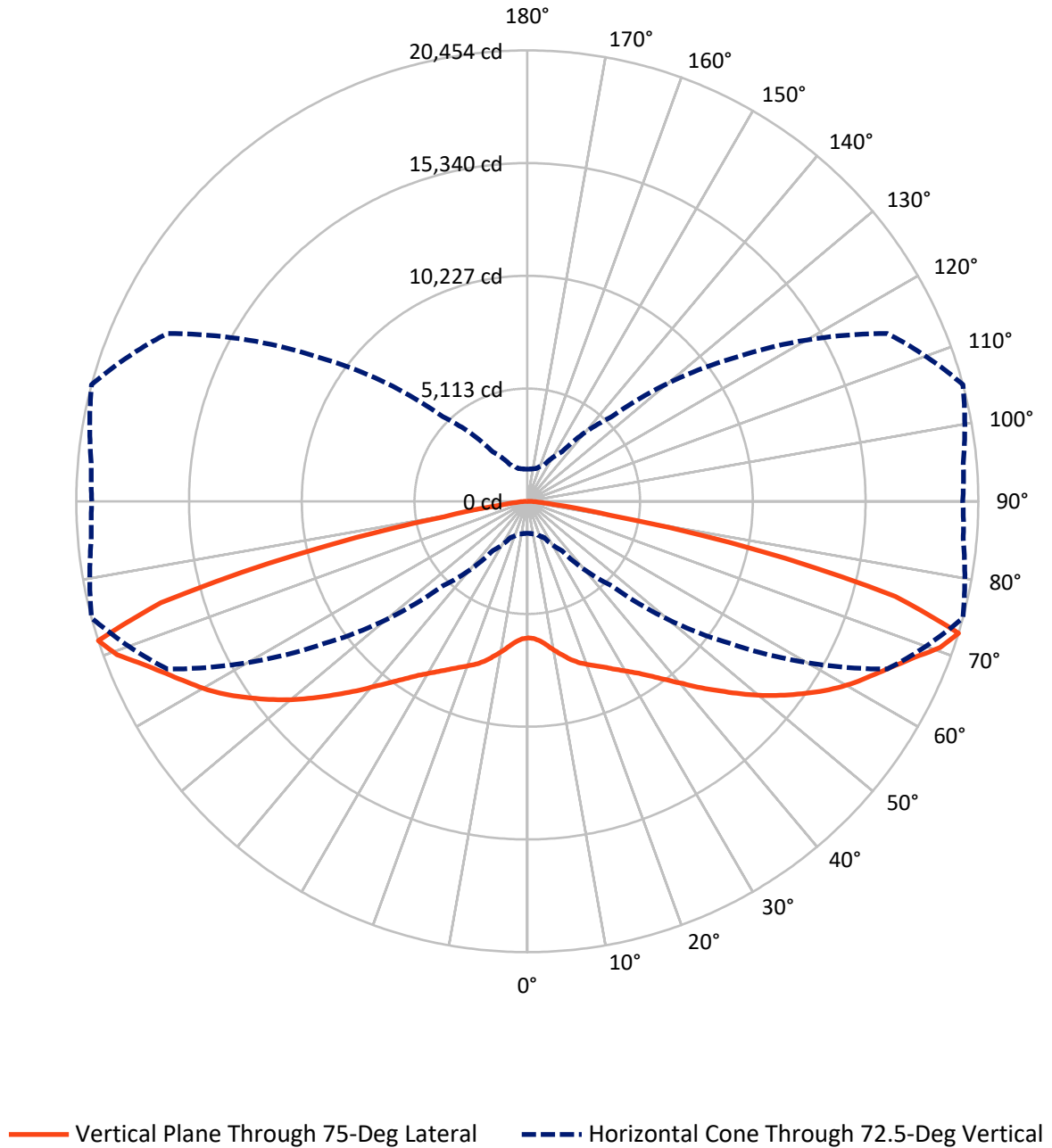
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28920.5	0.0	28920.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28920.5	0.0	28920.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57841.0	0.0	57841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.9	1.0
10°-20°	2001.8	3.5
20°-30°	3868.0	6.7
30°-40°	6531.4	11.3
40°-50°	10358.1	17.9
50°-60°	13868.3	24.0
60°-70°	13198.1	22.8
70°-80°	6887.0	11.9
80°-90°	521.3	0.9
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°	57841.0	100.0
0°-180°	57841.0	100.0

Coefficient of Utilization



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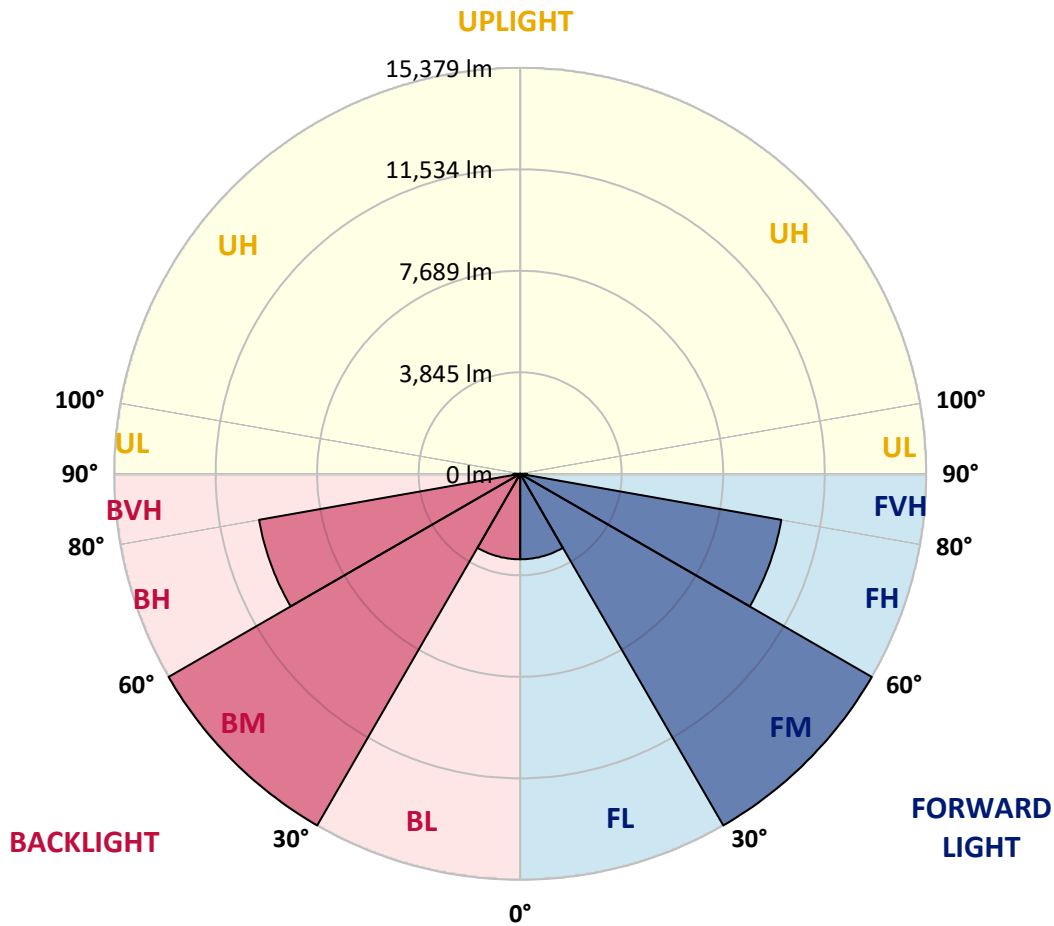
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3238.4	5.6			
FM (30°-60°)	15378.9	26.6			
FH (60°-80°)	10042.6	17.4			G4/12000
FVH (80°-90°)	260.7	0.5			G3/500
BL (0°-30°)	3238.4	5.6	B4/5000		
BM (30°-60°)	15378.9	26.6	B5		
BH (60°-80°)	10042.6	17.4	B5		G5
BVH (80°-90°)	260.7	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6195.8	6195.8	6195.8	6195.8	6195.8	6195.8	6195.8	6195.8	6195.8	6195.8
2.5°	6195.8	6189.9	6195.8	6201.7	6198.8	6198.8	6213.5	6222.4	6240.1	6237.2
5°	6154.5	6151.5	6175.1	6201.7	6222.4	6257.8	6302.1	6334.6	6376.0	6384.8
7.5°	6133.8	6124.9	6166.3	6213.5	6278.5	6367.1	6452.7	6541.3	6612.2	6635.8
10°	6148.6	6151.5	6207.6	6296.2	6399.6	6523.6	6644.7	6795.3	6895.7	6919.3
12.5°	6216.5	6210.6	6305.1	6446.8	6588.6	6745.1	6886.9	7052.2	7161.5	7217.6
15°	6340.5	6328.7	6461.6	6671.3	6878.0	7061.1	7176.3	7332.8	7459.8	7530.7
17.5°	6488.2	6494.1	6668.3	6940.0	7211.7	7418.4	7527.7	7607.4	7704.9	7766.9
20°	6748.1	6759.9	6954.8	7276.7	7586.8	7823.0	7911.6	7882.1	7908.7	7955.9
22.5°	7096.5	7102.4	7321.0	7669.5	7994.3	8254.2	8313.2	8192.2	8118.3	8150.8
25°	7501.1	7539.5	7758.0	8115.4	8449.1	8697.2	8723.7	8540.6	8357.5	8366.4
27.5°	7994.3	8029.7	8251.2	8605.6	8945.2	9160.8	9157.9	8912.7	8644.0	8576.1
30°	8528.8	8567.2	8794.6	9160.8	9476.8	9665.8	9624.5	9332.1	8948.2	8821.2
32.5°	9163.8	9187.4	9417.7	9783.9	10076.3	10226.9	10141.3	9781.0	9302.6	9157.9
35°	9931.6	9967.0	10138.3	10483.8	10740.8	10864.8	10720.1	10294.8	9757.4	9594.9
37.5°	10808.7	10785.1	10980.0	11287.1	11499.7	11576.5	11378.7	10873.7	10277.1	10085.2
40°	11724.2	11712.4	11925.0	12220.3	12335.5	12382.8	12090.4	11538.1	10876.6	10669.9
42.5°	12554.0	12545.2	12831.6	13159.4	13298.2	13245.1	12875.9	12244.0	11570.6	11334.4
45°	13218.5	13206.7	13558.1	14018.8	14290.5	14201.9	13705.8	13023.6	12273.5	12028.4
47.5°	13729.4	13735.3	14113.3	14683.3	15158.8	15191.2	14553.4	13818.0	13047.2	12769.6
50°	14098.6	14116.3	14520.9	15152.9	15802.6	16089.0	15418.6	14633.1	13847.5	13534.5
52.5°	14190.1	14222.6	14709.9	15451.1	16216.0	16762.3	16298.7	15415.7	14606.5	14308.2
55°	13702.8	13767.8	14385.0	15427.5	16470.0	17205.3	17072.4	16210.1	15371.4	15064.3
57.5°	12583.6	12675.1	13395.7	14757.1	16413.9	17509.5	17671.9	16972.0	16136.3	15840.9
60°	11015.4	11124.7	11815.7	13301.2	15622.4	17621.7	18094.2	17713.3	16839.1	16552.7
62.5°	8649.9	8791.7	9618.6	11360.9	13950.9	17099.0	18454.5	18383.6	17471.1	17113.8
65°	5549.1	5699.7	6570.9	8629.2	11721.2	15498.4	18566.7	19036.3	18138.5	17639.4
67.5°	3346.0	3413.9	3845.1	5230.1	8567.2	13085.6	17615.8	19759.8	18918.2	18298.0
70°	2141.1	2179.5	2436.4	3071.3	4843.2	9547.7	15259.2	19895.7	19863.2	18974.3
72.5°	1453.0	1464.8	1532.7	1819.2	2740.6	5425.0	11254.6	18011.5	20453.8	19845.5
75°	1063.2	1128.1	1237.4	1287.6	1556.3	2711.0	6449.8	12654.4	17237.8	17503.6
77.5°	791.5	794.4	945.0	1004.1	1110.4	1444.1	2728.8	7064.0	10702.4	11236.9
80°	670.4	634.9	632.0	809.2	835.8	900.7	1219.7	2439.3	3833.2	2324.2
82.5°	558.2	519.8	469.6	632.0	570.0	552.2	528.6	992.3	1219.7	599.5
85°	389.8	372.1	354.4	413.4	324.9	277.6	254.0	463.7	513.9	254.0
87.5°	168.3	174.2	177.2	183.1	135.8	97.5	97.5	129.9	129.9	100.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6195.8
6234.2
6384.8
6641.7
6943.0
7241.2
7557.2
7796.4
7991.4
8174.4
8381.2
8596.8
8836.0
9193.3
9618.6
10120.6
10737.8
11393.4
12084.5
12852.3
13629.0
14385.0
15149.9
15908.9
16614.7
17155.1
17701.5
18345.3
18968.4
19751.0
16859.8
10023.1
1757.2
510.9
224.4
73.8
0.0

OF REPORT)