

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: P956237

Luminaire Tested: **GALN-SB8D-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956237
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-SB8D-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58945 lumens
Efficiency: N/A
Efficacy: 100.8 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

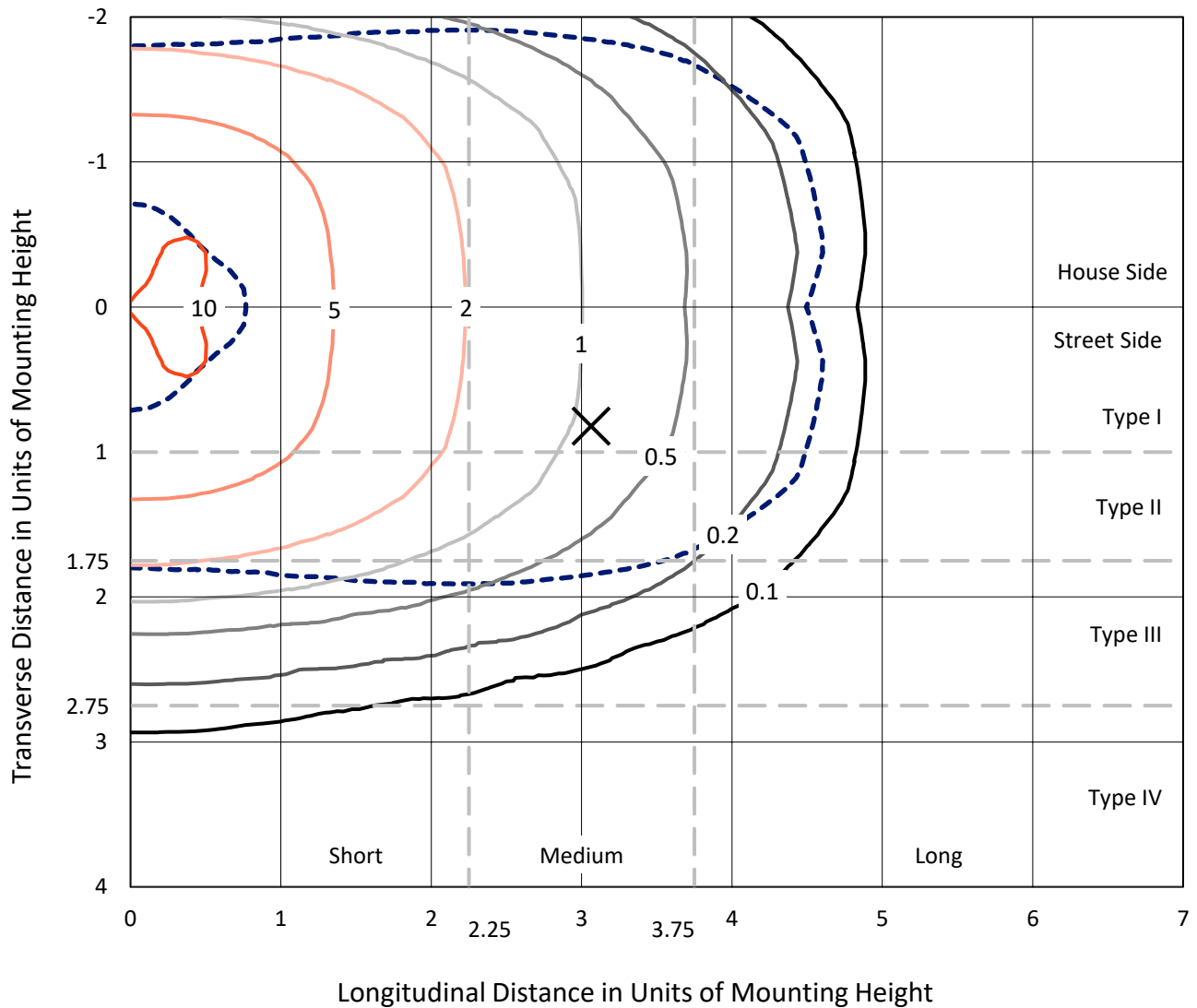
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

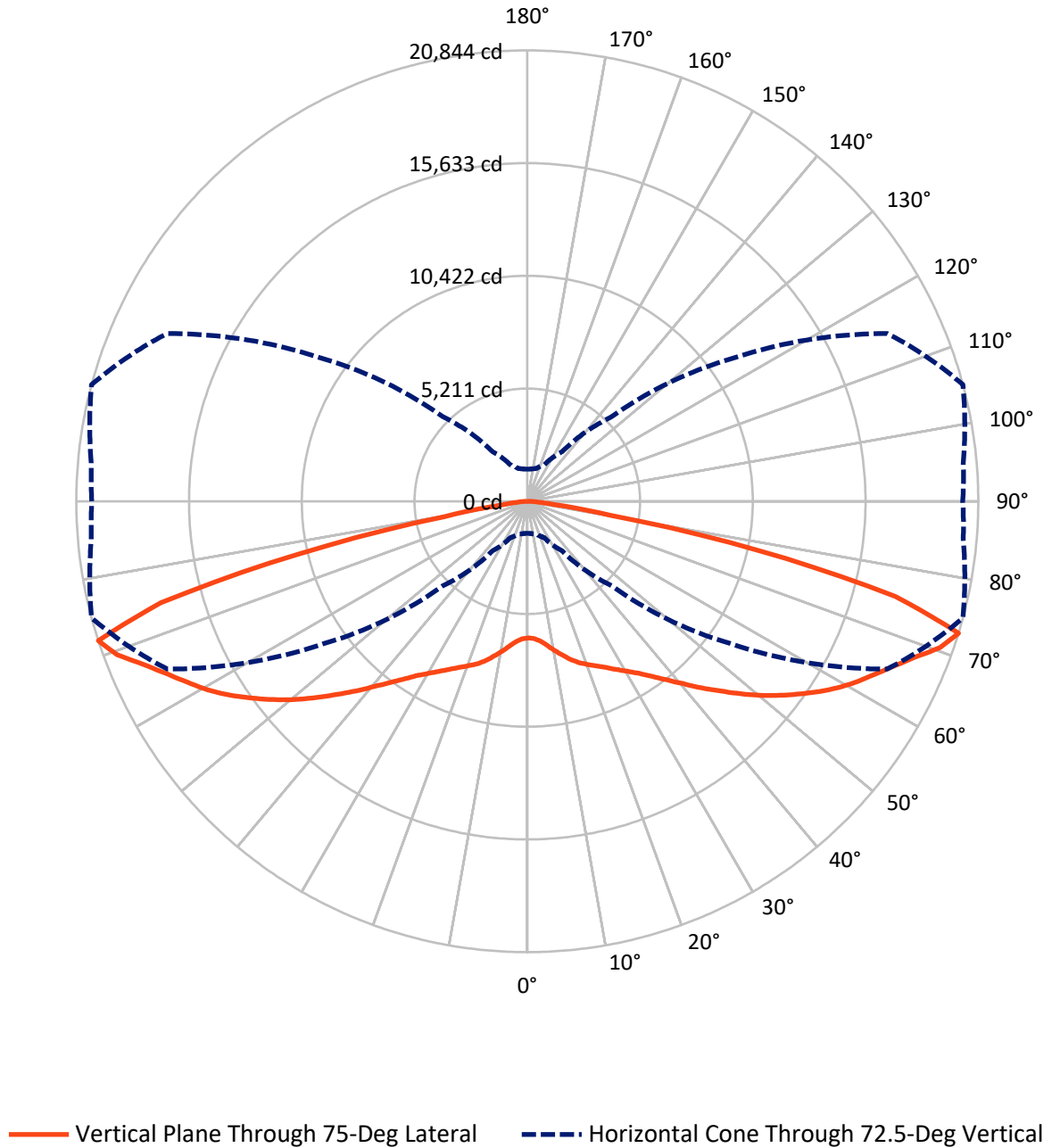
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29472.5	0.0	29472.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29472.5	0.0	29472.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58945.0	0.0	58945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.5	1.0
10°-20°	2040.0	3.5
20°-30°	3941.9	6.7
30°-40°	6656.1	11.3
40°-50°	10555.8	17.9
50°-60°	14133.0	24.0
60°-70°	13450.1	22.8
70°-80°	7018.5	11.9
80°-90°	531.3	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°	58945.0	100.0
0°-180°	58945.0	100.0

Coefficient of Utilization



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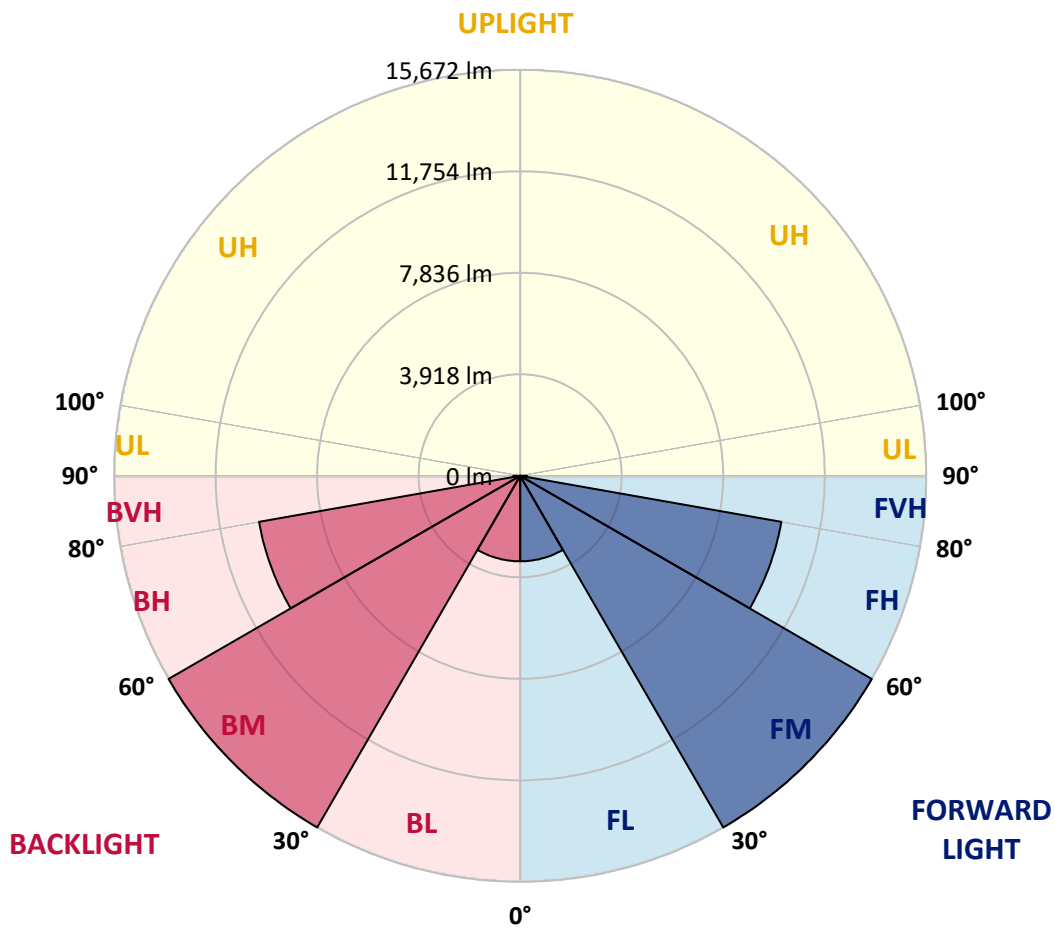
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3300.2	5.6			
FM (30°-60°)	15672.4	26.6			
FH (60°-80°)	10234.3	17.4			G4/12000
FVH (80°-90°)	265.6	0.5			G3/500
BL (0°-30°)	3300.2	5.6	B4/5000		
BM (30°-60°)	15672.4	26.6	B5		
BH (60°-80°)	10234.3	17.4	B5		G5
BVH (80°-90°)	265.6	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°	6314.1	6314.1	6314.1	6314.1	6314.1	6314.1	6314.1	6314.1	6314.1	6314.1
2.5°	6314.1	6308.0	6314.1	6320.1	6317.1	6317.1	6332.1	6341.2	6359.2	6356.2
5°	6271.9	6268.9	6293.0	6320.1	6341.2	6377.3	6422.4	6455.5	6497.6	6506.7
7.5°	6250.9	6241.8	6284.0	6332.1	6398.3	6488.6	6575.9	6666.2	6738.4	6762.5
10°	6265.9	6268.9	6326.1	6416.4	6521.7	6648.1	6771.5	6925.0	7027.3	7051.4
12.5°	6335.1	6329.1	6425.4	6569.9	6714.3	6873.8	7018.3	7186.8	7298.2	7355.4
15°	6461.5	6449.5	6584.9	6798.6	7009.3	7195.9	7313.2	7472.7	7602.2	7674.4
17.5°	6612.0	6618.0	6795.6	7072.5	7349.4	7560.0	7671.4	7752.6	7852.0	7915.2
20°	6876.9	6888.9	7087.5	7415.6	7731.6	7972.3	8062.6	8032.5	8059.6	8107.8
22.5°	7232.0	7238.0	7460.7	7815.8	8146.9	8411.7	8471.9	8348.5	8273.3	8306.4
25°	7644.3	7683.4	7906.1	8270.3	8610.4	8863.2	8890.3	8703.7	8517.1	8526.1
27.5°	8146.9	8183.0	8408.7	8769.9	9116.0	9335.7	9332.7	9082.9	8809.0	8739.8
30°	8691.6	8730.7	8962.5	9335.7	9657.7	9850.3	9808.2	9510.2	9119.0	8989.6
32.5°	9338.7	9362.8	9597.5	9970.7	10268.6	10422.1	10334.8	9967.7	9480.1	9332.7
35°	10121.2	10157.3	10331.8	10684.0	10945.8	11072.2	10924.7	10491.3	9943.6	9778.1
37.5°	11015.0	10990.9	11189.6	11502.6	11719.2	11797.5	11595.8	11081.2	10473.3	10277.7
40°	11948.0	11935.9	12152.6	12453.6	12570.9	12619.1	12321.2	11758.4	11084.2	10873.6
42.5°	12793.7	12784.6	13076.6	13410.6	13552.1	13497.9	13121.7	12477.7	11791.5	11550.7
45°	13470.8	13458.8	13816.9	14286.4	14563.3	14473.0	13967.4	13272.2	12507.7	12258.0
47.5°	13991.5	13997.5	14382.7	14963.6	15448.1	15481.2	14831.1	14081.7	13296.3	13013.4
50°	14367.7	14385.7	14798.0	15442.1	16104.2	16396.1	15712.9	14912.4	14111.8	13792.8
52.5°	14461.0	14494.1	14990.6	15746.0	16525.5	17082.3	16609.8	15709.9	14885.3	14581.3
55°	13964.4	14030.6	14659.6	15722.0	16784.3	17533.7	17398.3	16519.5	15664.8	15351.8
57.5°	12823.8	12917.0	13651.4	15038.8	16727.2	17843.7	18009.2	17296.0	16444.3	16143.3
60°	11225.7	11337.0	12041.3	13555.1	15920.6	17958.1	18439.6	18051.4	17160.5	16868.6
62.5°	8815.0	8959.5	9802.1	11577.8	14217.2	17425.4	18806.8	18734.5	17804.6	17440.4
65°	5655.0	5808.5	6696.3	8793.9	11945.0	15794.2	18921.1	19399.6	18484.7	17976.1
67.5°	3409.8	3479.1	3918.5	5329.9	8730.7	13335.4	17952.0	20137.0	19279.3	18647.3
70°	2181.9	2221.1	2482.9	3129.9	4935.7	9729.9	15550.4	20275.4	20242.3	19336.4
72.5°	1480.7	1492.7	1562.0	1853.9	2792.9	5528.6	11469.4	18355.3	20844.2	20224.3
75°	1083.4	1149.7	1261.0	1312.2	1586.0	2762.8	6572.9	12896.0	17566.8	17837.7
77.5°	806.6	809.6	963.1	1023.3	1131.6	1471.7	2780.8	7198.9	10906.7	11451.4
80°	683.2	647.1	644.0	824.6	851.7	917.9	1242.9	2485.9	3906.4	2368.5
82.5°	568.8	529.7	478.5	644.0	580.8	562.8	538.7	1011.2	1242.9	610.9
85°	397.3	379.2	361.1	421.3	331.1	282.9	258.8	472.5	523.7	258.8
87.5°	171.5	177.6	180.6	186.6	138.4	99.3	99.3	132.4	132.4	102.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6314.1
6353.2
6506.7
6768.5
7075.5
7379.5
7701.5
7945.2
8143.9
8330.5
8541.1
8760.8
9004.6
9368.8
9802.1
10313.8
10942.8
11610.9
12315.1
13097.6
13889.1
14659.6
15439.1
16212.5
16931.8
17482.6
18039.3
18695.4
19330.4
20128.0
17181.6
10214.5
1790.7
520.7
228.7
75.2
0.0

OF REPORT)