

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: P957392

Luminaire Tested: **GALN-SB9D-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957392
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-SB9D-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 95445 lumens
Efficiency: N/A
Efficacy: 145.1 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

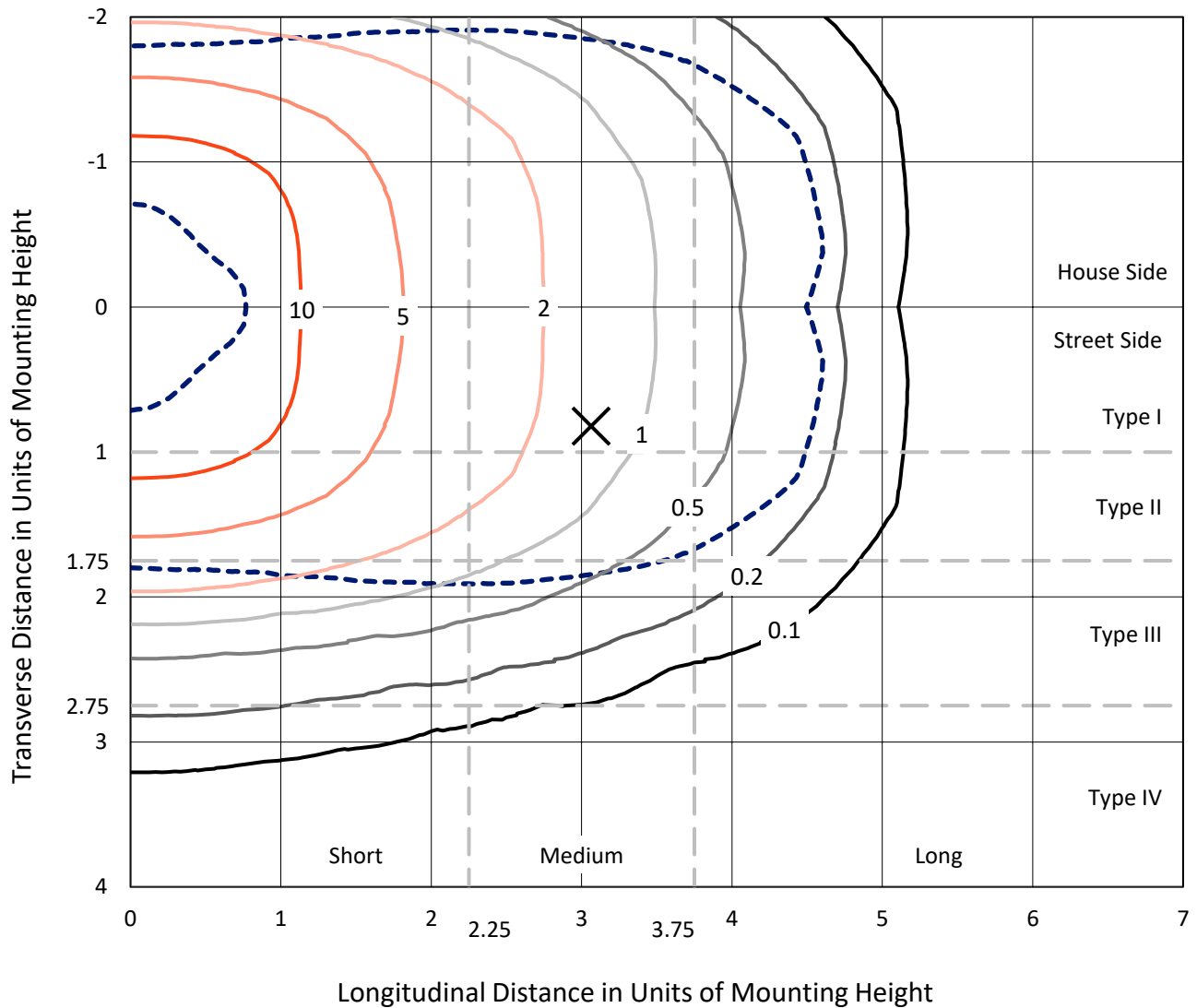
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

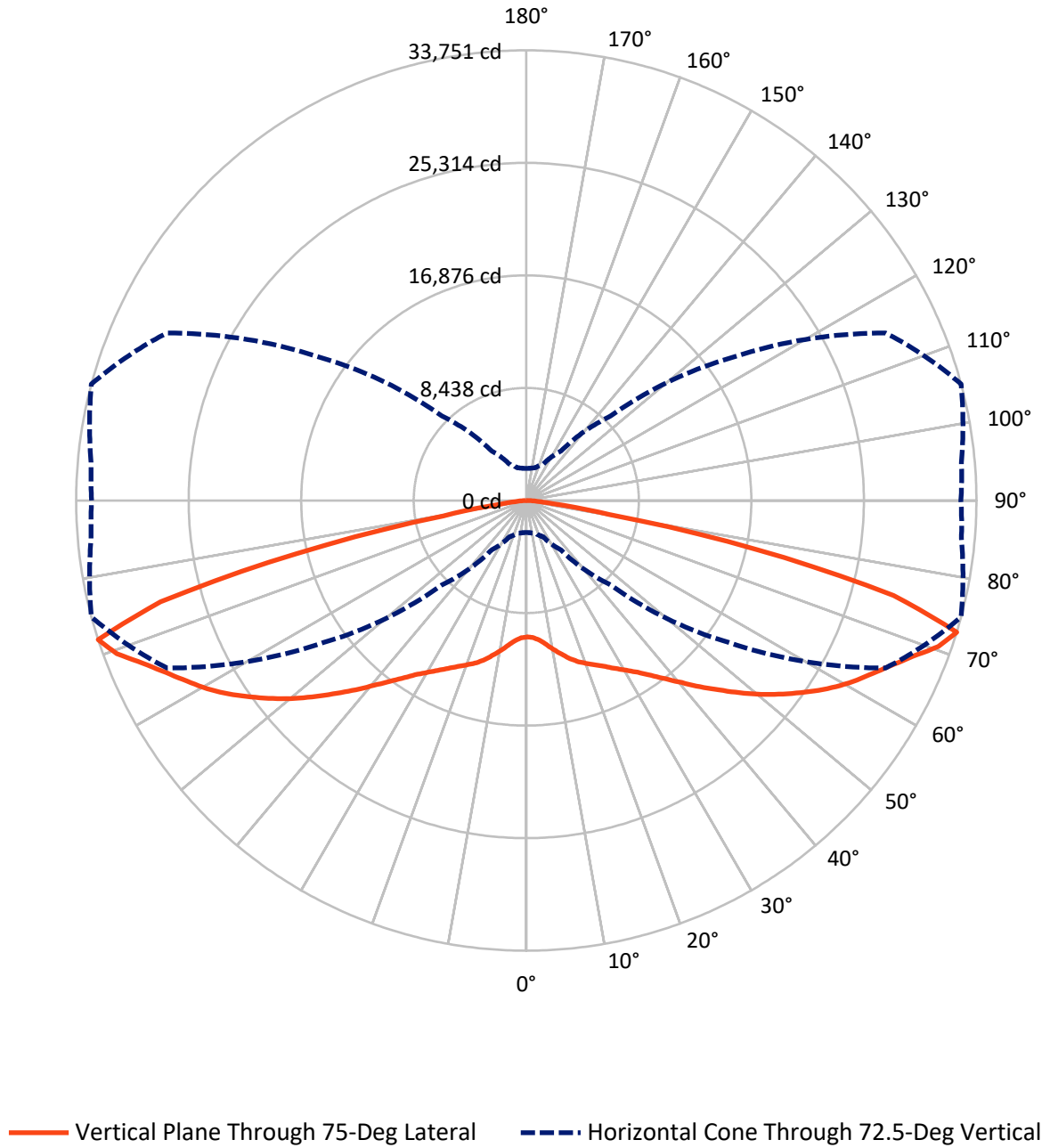
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 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	47722.5	0.0	47722.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	47722.5	0.0	47722.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	95445.0	0.0	95445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1001.5	1.0
10°-20°	3303.2	3.5
20°-30°	6382.7	6.7
30°-40°	10777.6	11.3
40°-50°	17092.2	17.9
50°-60°	22884.4	24.0
60°-70°	21778.6	22.8
70°-80°	11364.5	11.9
80°-90°	860.2	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°	95445.0	100.0
0°-180°	95445.0	100.0

Coefficient of Utilization



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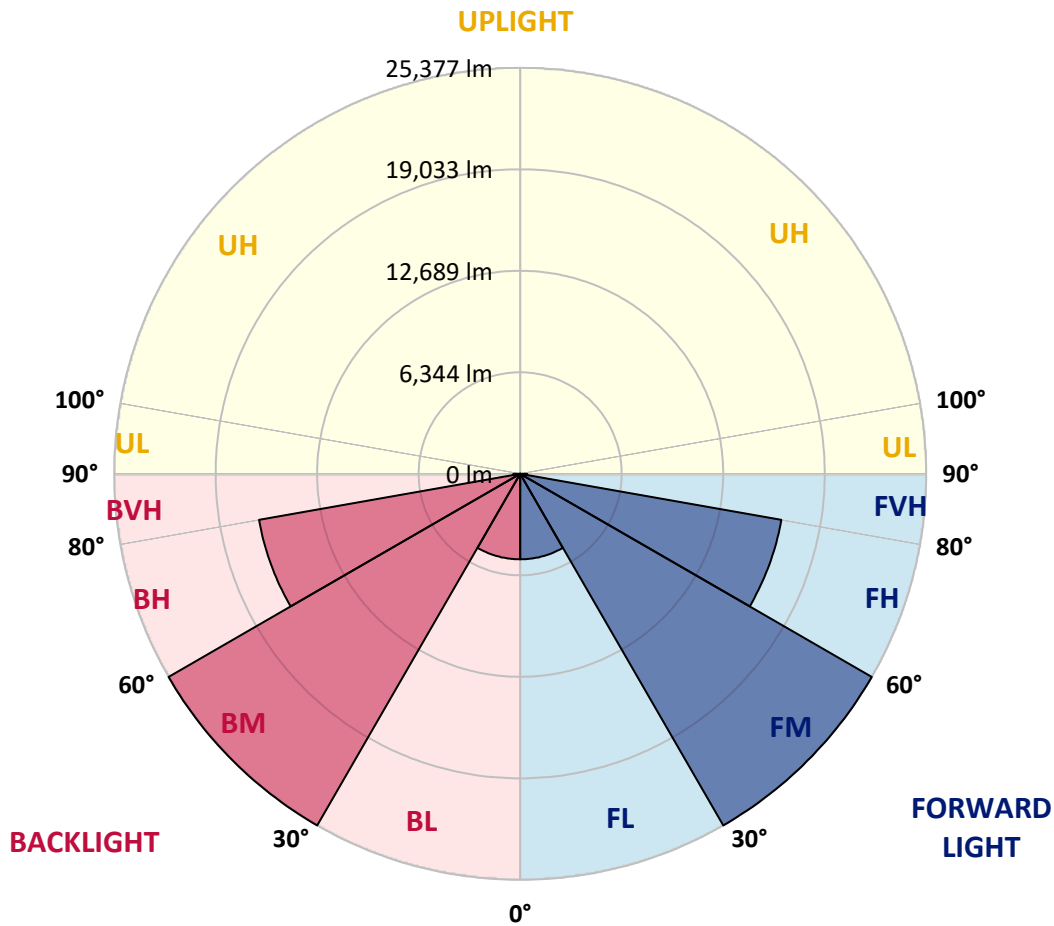
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5343.7	5.6			
FM (30°-60°)	25377.1	26.6			
FH (60°-80°)	16571.5	17.4			G5
FVH (80°-90°)	430.1	0.5			G3/500
BL (0°-30°)	5343.7	5.6	B5		
BM (30°-60°)	25377.1	26.6	B5		
BH (60°-80°)	16571.5	17.4	B5		G5
BVH (80°-90°)	430.1	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°	10223.9	10223.9	10223.9	10223.9	10223.9	10223.9	10223.9	10223.9	10223.9	10223.9
2.5°	10223.9	10214.1	10223.9	10233.6	10228.7	10228.7	10253.1	10267.7	10297.0	10292.1
5°	10155.6	10150.8	10189.8	10233.6	10267.7	10326.2	10399.3	10452.9	10521.1	10535.7
7.5°	10121.5	10106.9	10175.1	10253.1	10360.3	10506.5	10647.8	10794.0	10911.0	10950.0
10°	10145.9	10150.8	10243.4	10389.6	10560.1	10764.8	10964.6	11213.1	11378.8	11417.8
12.5°	10258.0	10248.2	10404.2	10638.1	10872.0	11130.3	11364.2	11637.1	11817.4	11910.0
15°	10462.7	10443.2	10662.5	11008.4	11349.6	11651.7	11841.8	12100.0	12309.6	12426.5
17.5°	10706.3	10716.1	11003.6	11451.9	11900.2	12241.4	12421.7	12553.2	12714.0	12816.4
20°	11135.1	11154.6	11476.3	12007.4	12519.1	12909.0	13055.2	13006.4	13050.3	13128.3
22.5°	11710.2	11719.9	12080.5	12655.6	13191.6	13620.5	13717.9	13518.1	13396.3	13449.9
25°	12377.8	12441.2	12801.8	13391.4	13942.1	14351.4	14395.3	14093.1	13791.0	13805.6
27.5°	13191.6	13250.1	13615.6	14200.4	14760.8	15116.5	15111.6	14707.2	14263.7	14151.6
30°	14073.7	14137.0	14512.2	15116.5	15637.9	15949.8	15881.6	15399.2	14765.6	14556.1
32.5°	15121.4	15160.4	15540.5	16144.7	16627.2	16875.7	16734.4	16139.9	15350.4	15111.6
35°	16388.4	16446.9	16729.5	17299.7	17723.6	17928.3	17689.5	16987.8	16100.9	15832.9
37.5°	17835.7	17796.7	18118.4	18625.2	18976.0	19102.7	18776.2	17942.9	16958.6	16641.8
40°	19346.4	19326.9	19677.8	20165.1	20355.1	20433.1	19950.7	19039.4	17947.8	17606.7
42.5°	20715.8	20701.1	21173.8	21714.8	21943.8	21856.1	21246.9	20204.1	19093.0	18703.1
45°	21812.2	21792.7	22372.6	23132.8	23581.2	23435.0	22616.3	21490.6	20252.8	19848.3
47.5°	22655.3	22665.0	23288.8	24229.3	25013.9	25067.5	24014.9	22801.5	21529.6	21071.5
50°	23264.4	23293.7	23961.3	25004.1	26076.2	26548.9	25442.7	24146.5	22850.2	22333.6
52.5°	23415.5	23469.1	24273.2	25496.3	26758.5	27660.0	26894.9	25437.8	24102.6	23610.4
55°	22611.4	22718.6	23737.1	25457.3	27177.6	28391.0	28171.7	26748.7	25364.7	24857.9
57.5°	20764.5	20915.6	22104.6	24351.1	27085.0	28892.9	29160.9	28006.0	26626.9	26139.6
60°	18176.8	18357.2	19497.5	21948.7	25779.0	29078.1	29857.8	29229.2	27786.7	27314.0
62.5°	14273.5	14507.4	15871.8	18747.0	23020.8	28215.5	30452.3	30335.4	28829.6	28239.9
65°	9156.6	9405.2	10842.8	14239.3	19341.5	25574.3	30637.5	31412.3	29930.9	29107.3
67.5°	5521.3	5633.4	6344.8	8630.3	14137.0	21592.9	29068.3	32606.2	31217.4	30194.0
70°	3533.0	3596.4	4020.3	5068.1	7992.0	15754.9	25179.6	32830.4	32776.8	31310.0
72.5°	2397.6	2417.1	2529.2	3001.9	4522.3	8952.0	18571.6	29721.3	33751.4	32747.6
75°	1754.3	1861.5	2041.8	2124.7	2568.1	4473.6	10643.0	20881.4	28444.6	28883.2
77.5°	1306.0	1310.9	1559.4	1656.9	1832.3	2383.0	4502.8	11656.6	17660.3	18542.3
80°	1106.2	1047.7	1042.9	1335.2	1379.1	1486.3	2012.6	4025.2	6325.3	3835.2
82.5°	921.0	857.7	774.8	1042.9	940.5	911.3	872.3	1637.4	2012.6	989.2
85°	643.3	614.0	584.8	682.2	536.0	458.1	419.1	765.1	847.9	419.1
87.5°	277.8	287.5	292.4	302.1	224.2	160.8	160.8	214.4	214.4	165.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
10223.9
10287.2
10535.7
10959.7
11456.8
11949.0
12470.4
12865.1
13186.7
13488.9
13830.0
14185.7
14580.5
15170.1
15871.8
16700.3
17718.8
18800.6
19940.9
21207.9
22489.6
23737.1
24999.3
26251.7
27416.3
28308.1
29209.7
30272.0
31300.2
32591.6
27820.8
16539.5
2899.5
843.1
370.4
121.8
0.0

OF REPORT)