

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: P956783

Luminaire Tested: **GALN-SB9B-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956783
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-SB9B-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47457 lumens
Efficiency: N/A
Efficacy: 144.0 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

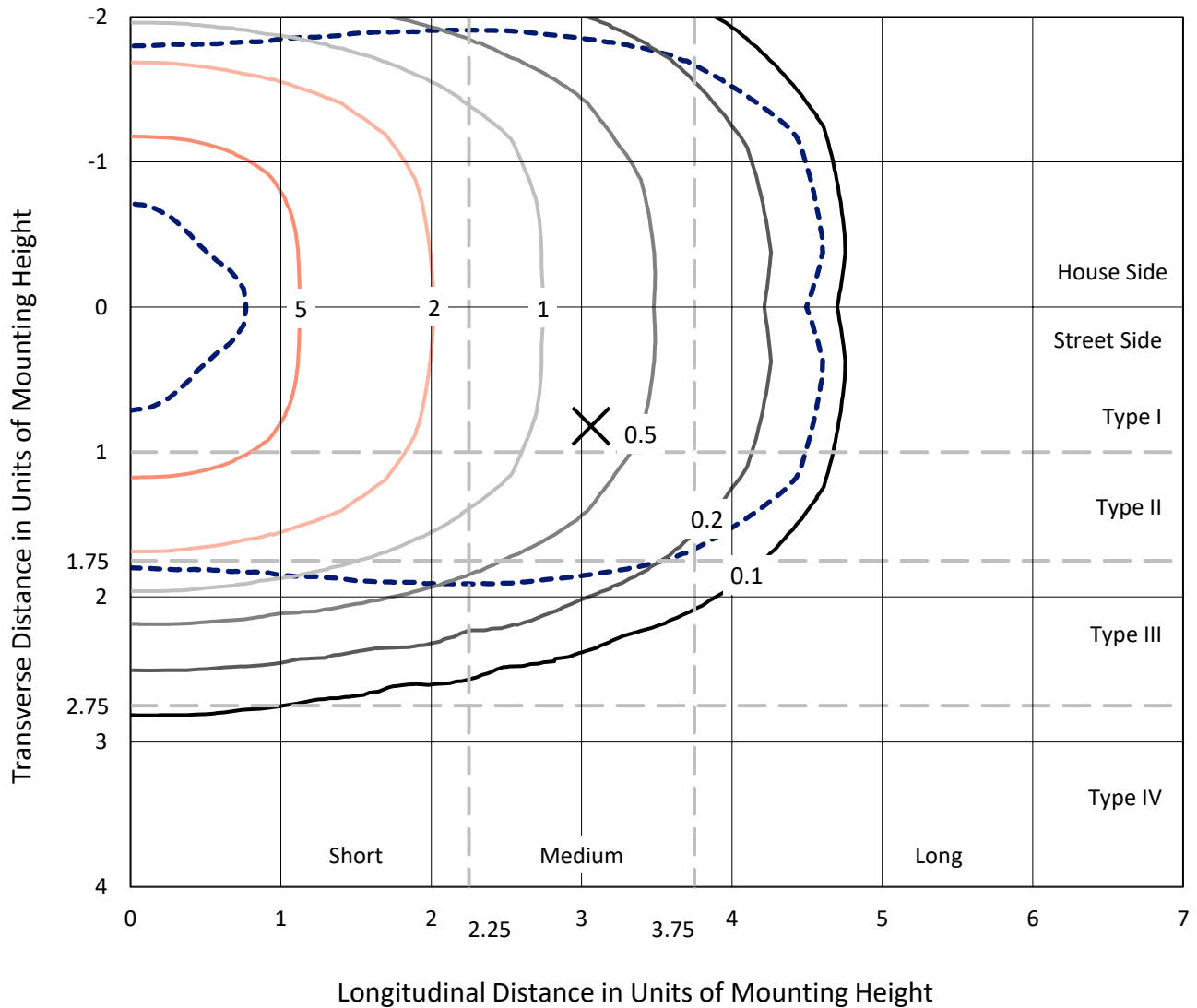
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

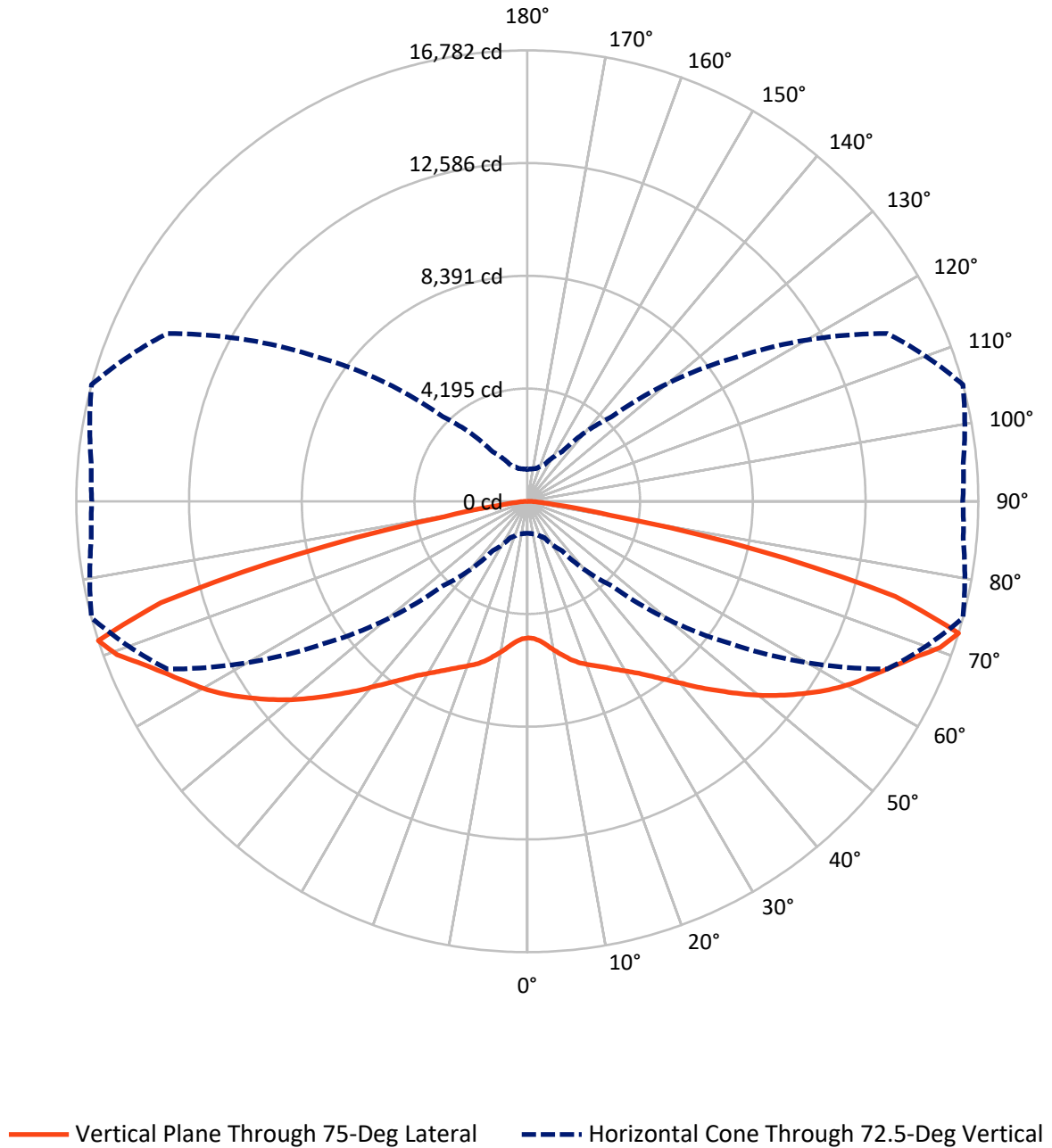
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	23728.5	0.0	23728.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23728.5	0.0	23728.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47457.0	0.0	47457.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.0	1.0
10°-20°	1642.4	3.5
20°-30°	3173.6	6.7
30°-40°	5358.8	11.3
40°-50°	8498.5	17.9
50°-60°	11378.6	24.0
60°-70°	10828.7	22.8
70°-80°	5650.6	11.9
80°-90°	427.7	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°	47457.0	100.0
0°-180°	47457.0	100.0

Coefficient of Utilization



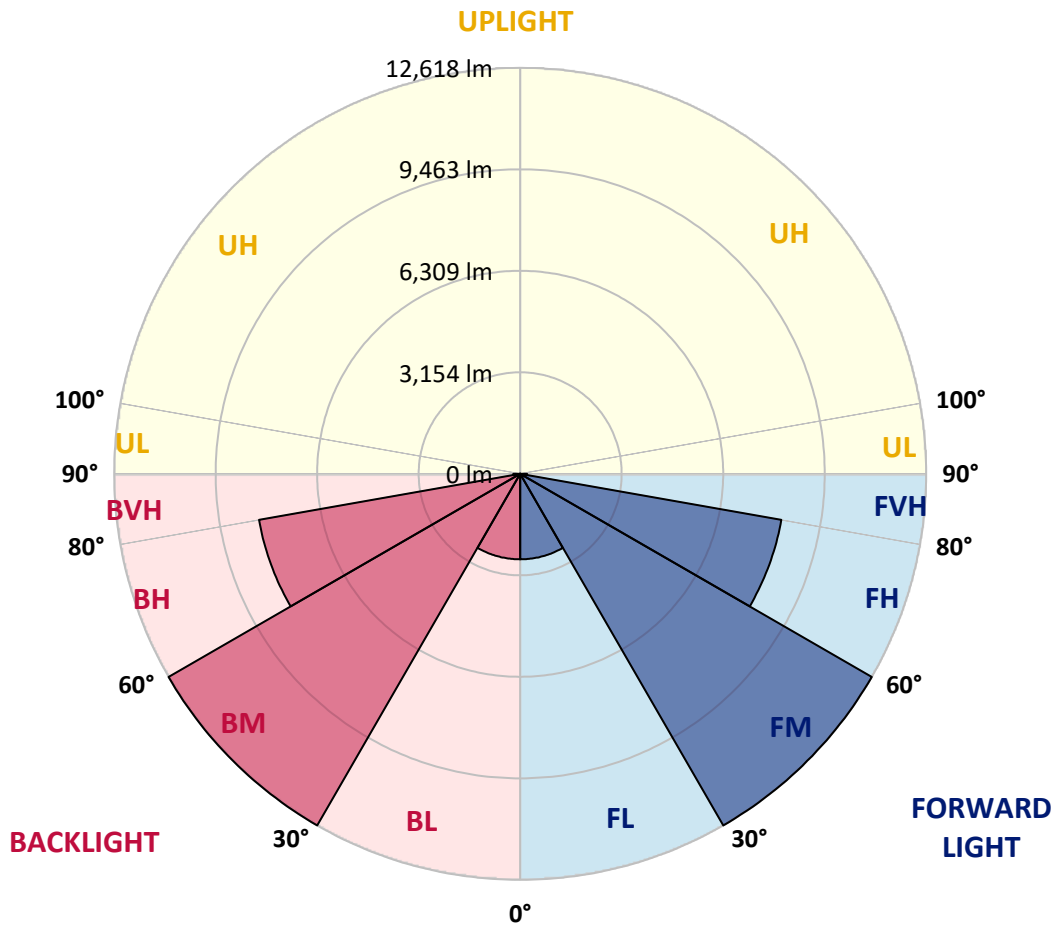
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2657.0	5.6			
FM (30°-60°)	12618.0	26.6			
FH (60°-80°)	8239.7	17.4			G4/12000
FVH (80°-90°)	213.9	0.5			G2/225
BL (0°-30°)	2657.0	5.6	B4/5000		
BM (30°-60°)	12618.0	26.6	B5		
BH (60°-80°)	8239.7	17.4	B5		G5
BVH (80°-90°)	213.9	0.5			G2/225
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°	5083.5	5083.5	5083.5	5083.5	5083.5	5083.5	5083.5	5083.5	5083.5	5083.5
2.5°	5083.5	5078.6	5083.5	5088.3	5085.9	5085.9	5098.0	5105.3	5119.8	5117.4
5°	5049.6	5047.1	5066.5	5088.3	5105.3	5134.4	5170.7	5197.4	5231.3	5238.6
7.5°	5032.6	5025.3	5059.3	5098.0	5151.3	5224.0	5294.3	5367.0	5425.1	5444.5
10°	5044.7	5047.1	5093.2	5165.9	5250.7	5352.4	5451.8	5575.4	5657.7	5677.1
12.5°	5100.5	5095.6	5173.1	5289.5	5405.8	5534.2	5650.5	5786.2	5875.8	5921.9
15°	5202.2	5192.5	5301.6	5473.6	5643.2	5793.4	5887.9	6016.4	6120.5	6178.7
17.5°	5323.4	5328.2	5471.2	5694.1	5917.0	6086.6	6176.3	6241.7	6321.7	6372.5
20°	5536.6	5546.3	5706.2	5970.3	6224.7	6418.6	6491.3	6467.0	6488.8	6527.6
22.5°	5822.5	5827.4	6006.7	6292.6	6559.1	6772.3	6820.8	6721.5	6660.9	6687.5
25°	6154.5	6186.0	6365.3	6658.5	6932.3	7135.8	7157.6	7007.4	6857.1	6864.4
27.5°	6559.1	6588.2	6769.9	7060.7	7339.3	7516.2	7513.8	7312.7	7092.2	7036.4
30°	6997.7	7029.2	7215.8	7516.2	7775.5	7930.5	7896.6	7656.7	7341.7	7237.6
32.5°	7518.6	7538.0	7727.0	8027.5	8267.3	8390.9	8320.6	8025.0	7632.5	7513.8
35°	8148.6	8177.7	8318.2	8601.7	8812.5	8914.3	8795.6	8446.6	8005.7	7872.4
37.5°	8868.3	8848.9	9008.8	9260.8	9435.2	9498.2	9335.9	8921.6	8432.1	8274.6
40°	9619.4	9609.7	9784.2	10026.5	10121.0	10159.7	9919.8	9466.7	8924.0	8754.4
42.5°	10300.3	10293.0	10528.0	10797.0	10910.9	10867.2	10564.4	10045.8	9493.4	9299.5
45°	10845.4	10835.7	11124.1	11502.1	11725.0	11652.3	11245.2	10685.5	10070.1	9869.0
47.5°	11264.6	11269.5	11579.6	12047.3	12437.4	12464.0	11940.6	11337.3	10704.9	10477.1
50°	11567.5	11582.0	11914.0	12432.5	12965.6	13200.6	12650.6	12006.1	11361.5	11104.7
52.5°	11642.6	11669.3	12069.1	12677.2	13304.8	13753.1	13372.6	12648.2	11984.3	11739.5
55°	11242.8	11296.1	11802.5	12657.9	13513.2	14116.5	14007.5	13300.0	12611.8	12359.8
57.5°	10324.5	10399.6	10990.8	12107.8	13467.1	14366.1	14499.3	13925.1	13239.4	12997.1
60°	9037.9	9127.5	9694.5	10913.3	12817.8	14458.2	14845.8	14533.3	13816.1	13581.0
62.5°	7097.0	7213.3	7891.8	9321.4	11446.3	14029.3	15141.4	15083.3	14334.6	14041.4
65°	4552.9	4676.4	5391.2	7080.1	9617.0	12716.0	15233.5	15618.8	14882.2	14472.7
67.5°	2745.3	2801.0	3154.8	4291.2	7029.2	10736.4	14453.3	16212.4	15521.9	15013.0
70°	1756.7	1788.2	1999.0	2519.9	3973.8	7833.6	12519.7	16323.9	16297.2	15567.9
72.5°	1192.1	1201.8	1257.5	1492.6	2248.6	4451.1	9234.1	14778.0	16781.8	16282.7
75°	872.3	925.6	1015.2	1056.4	1276.9	2224.3	5291.9	10382.6	14143.2	14361.2
77.5°	649.4	651.8	775.4	823.8	911.1	1184.9	2238.9	5795.9	8781.0	9219.6
80°	550.0	520.9	518.5	663.9	685.7	739.0	1000.7	2001.4	3145.1	1906.9
82.5°	458.0	426.5	385.3	518.5	467.6	453.1	433.7	814.1	1000.7	491.9
85°	319.8	305.3	290.8	339.2	266.5	227.8	208.4	380.4	421.6	208.4
87.5°	138.1	143.0	145.4	150.2	111.5	80.0	80.0	106.6	106.6	82.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5083.5
5115.0
5238.6
5449.4
5696.5
5941.2
6200.5
6396.8
6556.7
6706.9
6876.5
7053.4
7249.7
7542.9
7891.8
8303.7
8810.1
9348.0
9915.0
10545.0
11182.2
11802.5
12430.1
13052.8
13631.9
14075.3
14523.6
15051.8
15563.1
16205.2
13833.0
8223.7
1441.7
419.2
184.1
60.6
0.0

OF REPORT)