

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: P956930

Luminaire Tested: **GALN-SB9B-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956930
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-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38272 lumens
Efficiency: N/A
Efficacy: 116.2 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

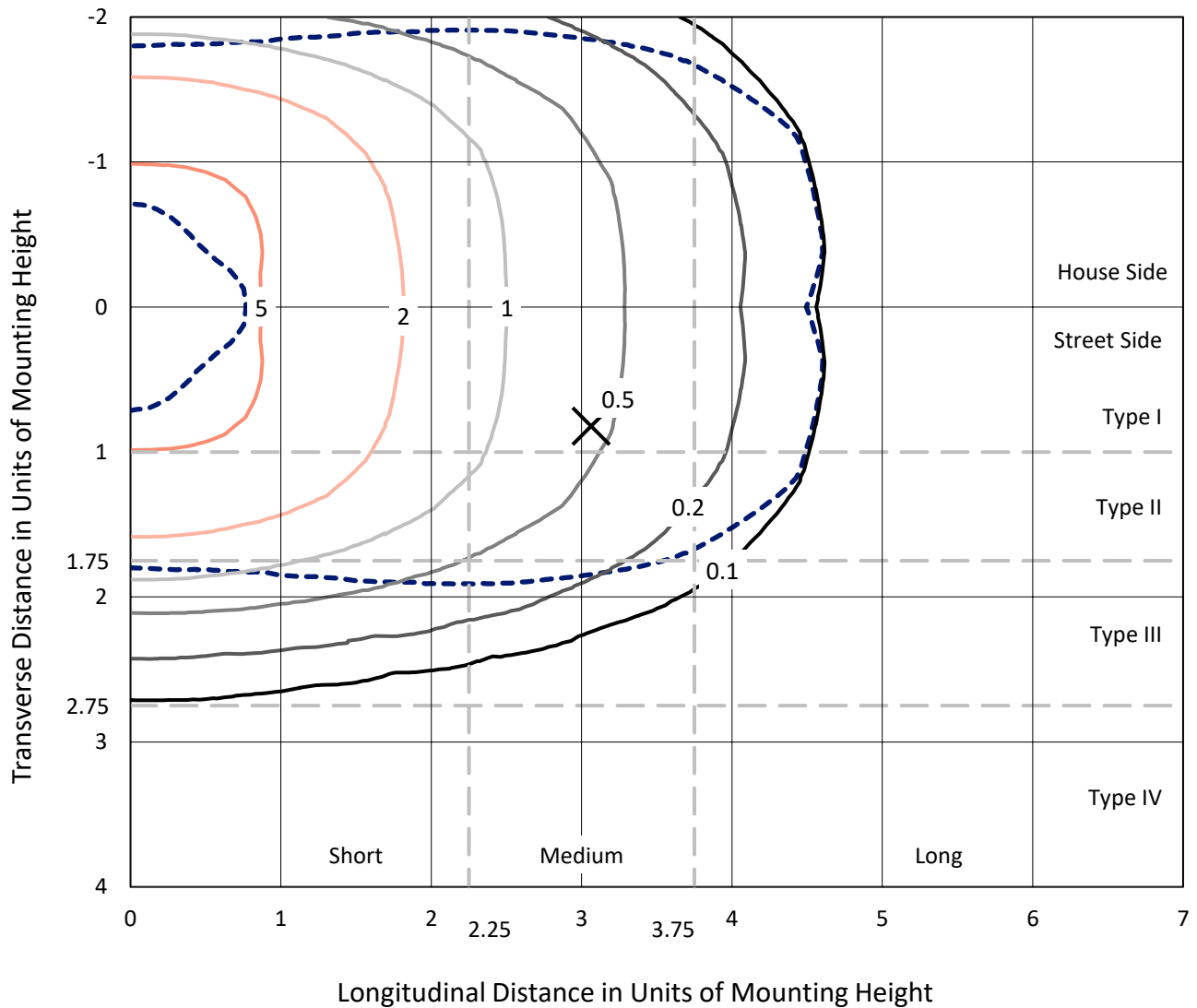
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

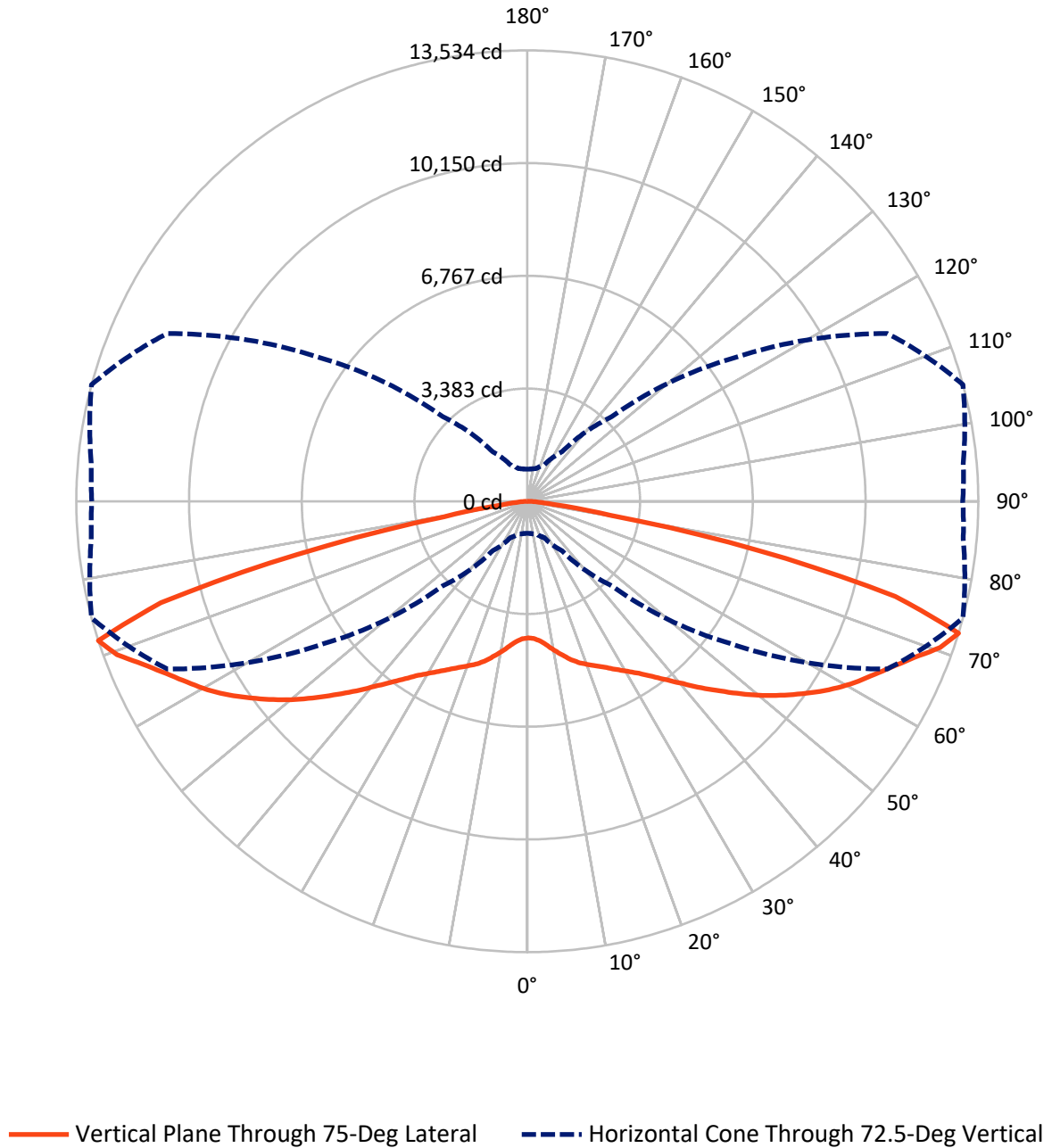
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	19136.0	0.0	19136.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19136.0	0.0	19136.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38272.0	0.0	38272.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.6	1.0
10°-20°	1324.5	3.5
20°-30°	2559.4	6.7
30°-40°	4321.7	11.3
40°-50°	6853.7	17.9
50°-60°	9176.3	24.0
60°-70°	8732.9	22.8
70°-80°	4557.0	11.9
80°-90°	344.9	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°	38272.0	100.0
0°-180°	38272.0	100.0



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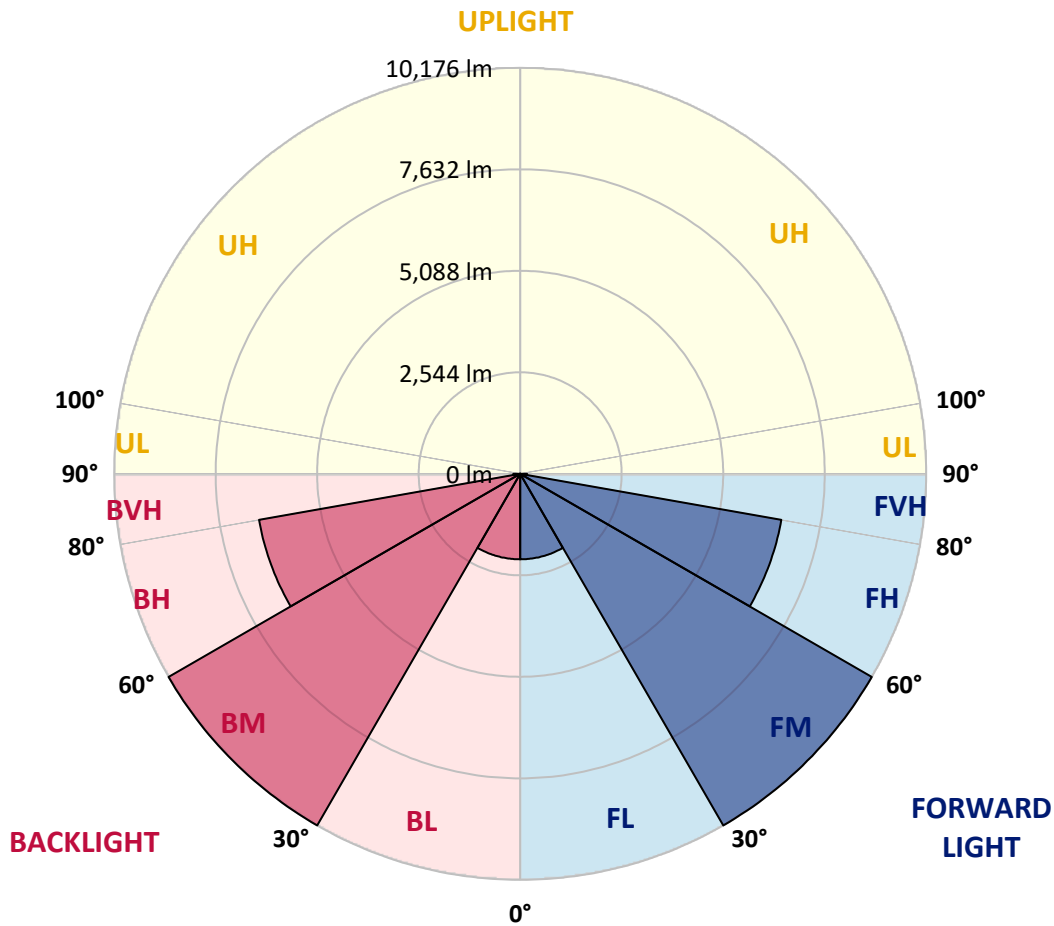
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2142.8	5.6			
FM (30°-60°)	10175.8	26.6			
FH (60°-80°)	6644.9	17.4			G3/7500
FVH (80°-90°)	172.5	0.5			G2/225
BL (0°-30°)	2142.8	5.6	B3/2500		
BM (30°-60°)	10175.8	26.6	B5		
BH (60°-80°)	6644.9	17.4	B5		G5
BVH (80°-90°)	172.5	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°	4099.6	4099.6	4099.6	4099.6	4099.6	4099.6	4099.6	4099.6	4099.6	4099.6
2.5°	4099.6	4095.7	4099.6	4103.5	4101.6	4101.6	4111.3	4117.2	4128.9	4127.0
5°	4072.3	4070.3	4085.9	4103.5	4117.2	4140.7	4170.0	4191.5	4218.8	4224.7
7.5°	4058.6	4052.7	4080.1	4111.3	4154.3	4213.0	4269.6	4328.2	4375.1	4390.8
10°	4068.4	4070.3	4107.4	4166.1	4234.4	4316.5	4396.6	4496.3	4562.7	4578.4
12.5°	4113.3	4109.4	4171.9	4265.7	4359.5	4463.1	4556.9	4666.3	4738.6	4775.7
15°	4195.4	4187.5	4275.5	4414.2	4551.0	4672.2	4748.4	4851.9	4936.0	4982.9
17.5°	4293.1	4297.0	4412.3	4592.0	4771.8	4908.6	4980.9	5033.7	5098.1	5139.2
20°	4465.0	4472.8	4601.8	4814.8	5020.0	5176.3	5234.9	5215.4	5233.0	5264.2
22.5°	4695.6	4699.5	4844.1	5074.7	5289.6	5461.6	5500.7	5420.6	5371.7	5393.2
25°	4963.3	4988.7	5133.3	5369.8	5590.6	5754.7	5772.3	5651.1	5530.0	5535.8
27.5°	5289.6	5313.1	5459.6	5694.1	5918.8	6061.5	6059.5	5897.4	5719.5	5674.6
30°	5643.3	5668.7	5819.2	6061.5	6270.6	6395.6	6368.3	6174.8	5920.8	5836.8
32.5°	6063.4	6079.1	6231.5	6473.8	6667.3	6766.9	6710.2	6471.8	6155.3	6059.5
35°	6571.5	6594.9	6708.3	6936.9	7106.9	7189.0	7093.2	6811.9	6456.2	6348.7
37.5°	7151.9	7136.2	7265.2	7468.4	7609.1	7659.9	7529.0	7194.8	6800.1	6673.1
40°	7757.6	7749.8	7890.5	8085.9	8162.1	8193.4	7999.9	7634.5	7196.8	7060.0
42.5°	8306.7	8300.8	8490.4	8707.3	8799.1	8764.0	8519.7	8101.5	7656.0	7499.7
45°	8746.4	8738.6	8971.1	9275.9	9455.7	9397.1	9068.8	8617.4	8121.1	7958.9
47.5°	9084.4	9088.3	9338.4	9715.6	10030.2	10051.7	9629.6	9143.0	8633.0	8449.4
50°	9328.7	9340.4	9608.1	10026.3	10456.2	10645.7	10202.1	9682.4	9162.6	8955.5
52.5°	9389.3	9410.7	9733.2	10223.6	10729.7	11091.2	10784.5	10200.2	9664.8	9467.4
55°	9066.8	9109.8	9518.2	10208.0	10897.8	11384.3	11296.4	10725.8	10170.9	9967.7
57.5°	8326.2	8386.8	8863.6	9764.4	10860.7	11585.6	11693.1	11230.0	10677.0	10481.6
60°	7288.6	7360.9	7818.2	8801.1	10337.0	11659.9	11972.5	11720.4	11142.0	10952.5
62.5°	5723.4	5817.2	6364.4	7517.3	9231.0	11314.0	12210.9	12164.0	11560.2	11323.8
65°	3671.7	3771.3	4347.8	5709.8	7755.7	10254.9	12285.2	12595.9	12001.8	11671.6
67.5°	2213.9	2258.9	2544.2	3460.6	5668.7	8658.4	11656.0	13074.6	12517.7	12107.4
70°	1416.7	1442.1	1612.1	2032.2	3204.7	6317.5	10096.6	13164.5	13143.0	12554.8
72.5°	961.4	969.2	1014.2	1203.7	1813.4	3589.6	7446.9	11917.8	13533.8	13131.3
75°	703.5	746.5	818.8	852.0	1029.8	1793.8	4267.7	8373.1	11405.8	11581.7
77.5°	523.7	525.6	625.3	664.4	734.7	955.5	1805.6	4674.1	7081.5	7435.2
80°	443.6	420.1	418.2	535.4	553.0	596.0	807.0	1614.1	2536.4	1537.8
82.5°	369.3	343.9	310.7	418.2	377.1	365.4	349.8	656.6	807.0	396.7
85°	257.9	246.2	234.5	273.6	214.9	183.7	168.0	306.8	340.0	168.0
87.5°	111.4	115.3	117.2	121.2	89.9	64.5	64.5	86.0	86.0	66.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
4099.6
4125.0
4224.7
4394.7
4594.0
4791.4
5000.4
5158.7
5287.7
5408.8
5545.6
5688.3
5846.5
6083.0
6364.4
6696.6
7105.0
7538.8
7996.0
8504.1
9018.0
9518.2
10024.3
10526.5
10993.5
11351.1
11712.6
12138.6
12550.9
<i>13068.7</i>
11155.7
6632.1
1162.7
338.1
148.5
48.9
0.0

OF REPORT)