

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: P954788

Luminaire Tested: **GALN-SB7D-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954788
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-SB7D-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54001 lumens
Efficiency: N/A
Efficacy: 105.3 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

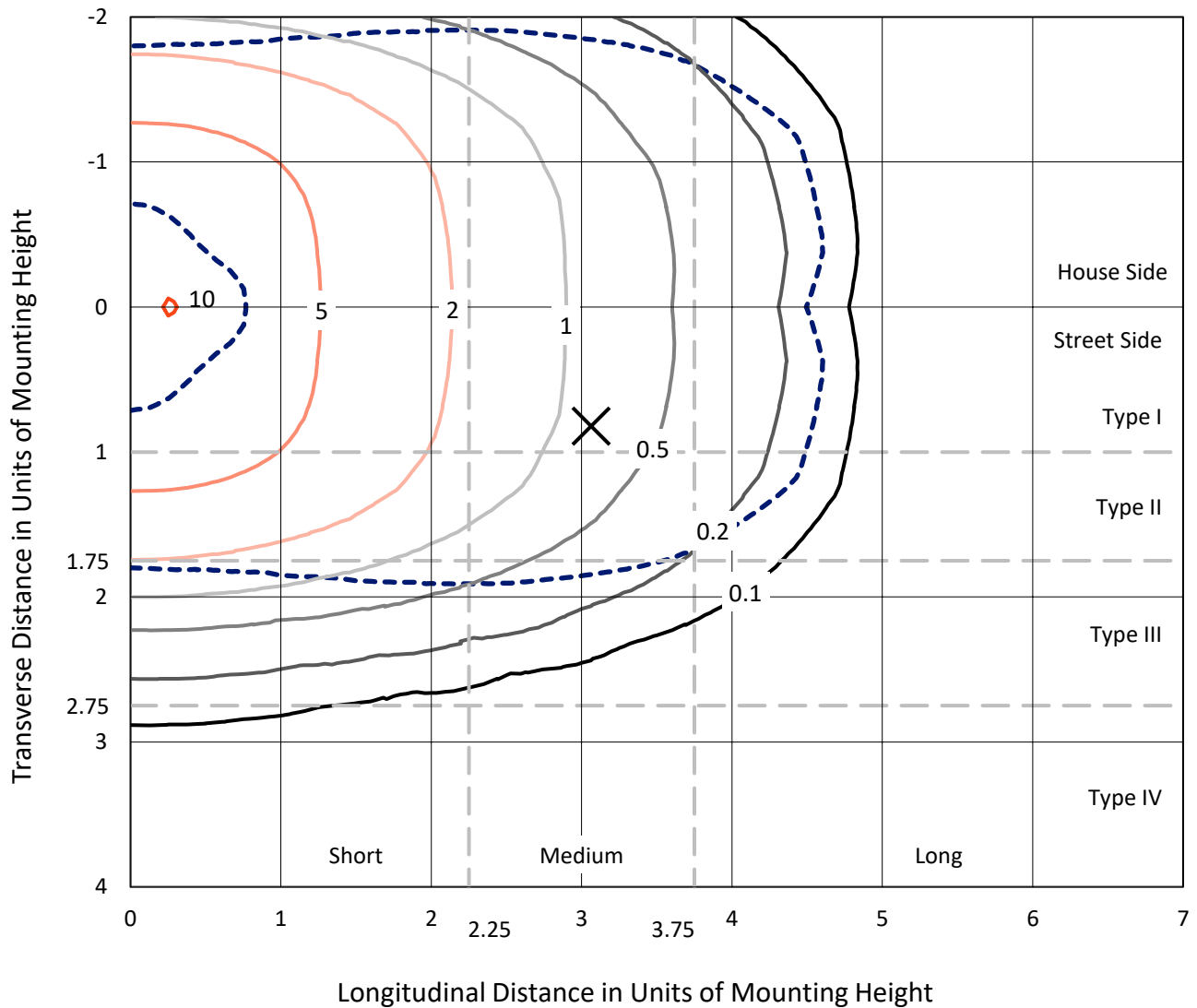
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

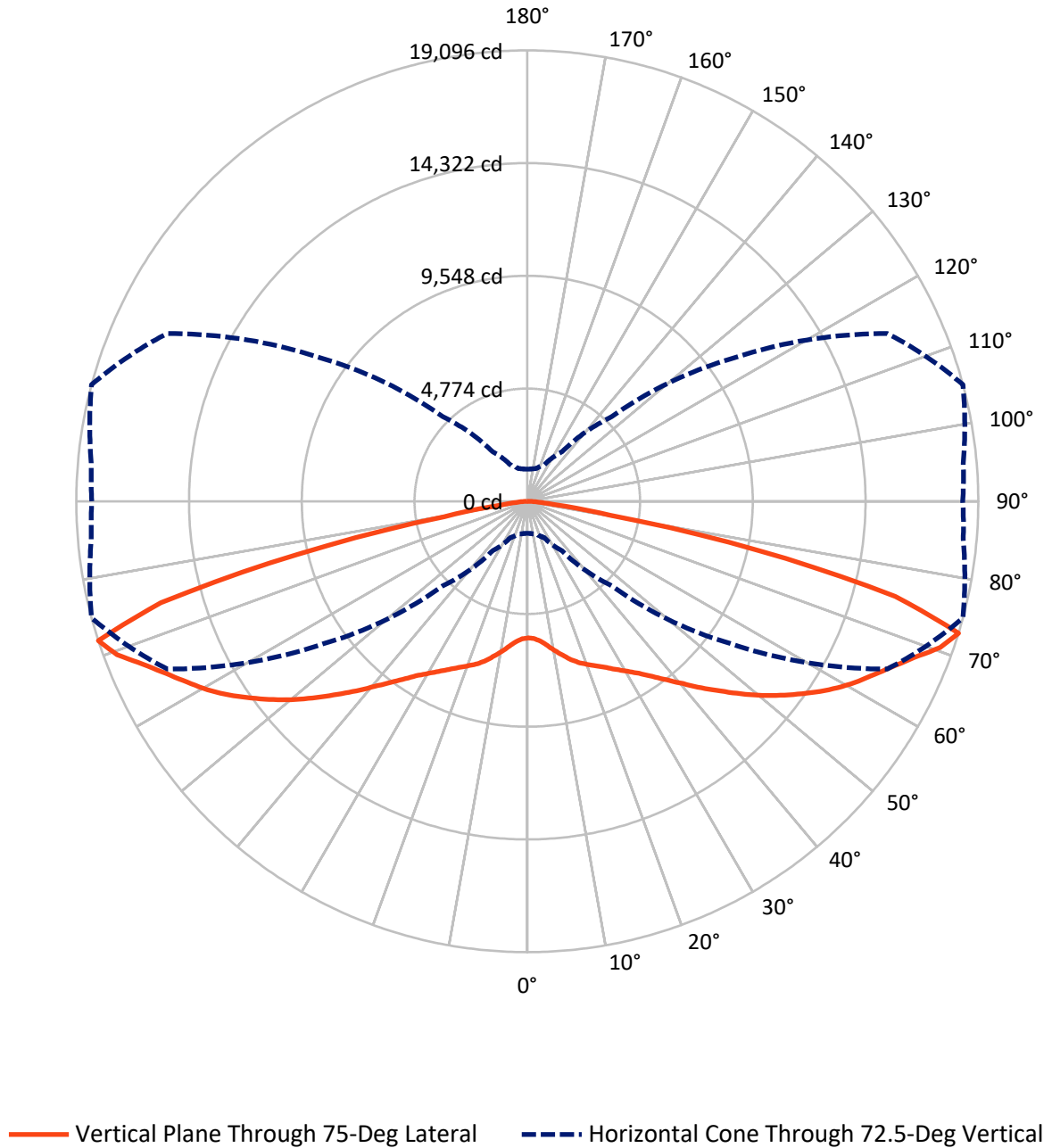
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	27000.5	0.0	27000.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27000.5	0.0	27000.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54001.0	0.0	54001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.6	1.0
10°-20°	1868.9	3.5
20°-30°	3611.2	6.7
30°-40°	6097.8	11.3
40°-50°	9670.4	17.9
50°-60°	12947.6	24.0
60°-70°	12321.9	22.8
70°-80°	6429.8	11.9
80°-90°	486.7	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°	54001.0	100.0
0°-180°	54001.0	100.0

Coefficient of Utilization



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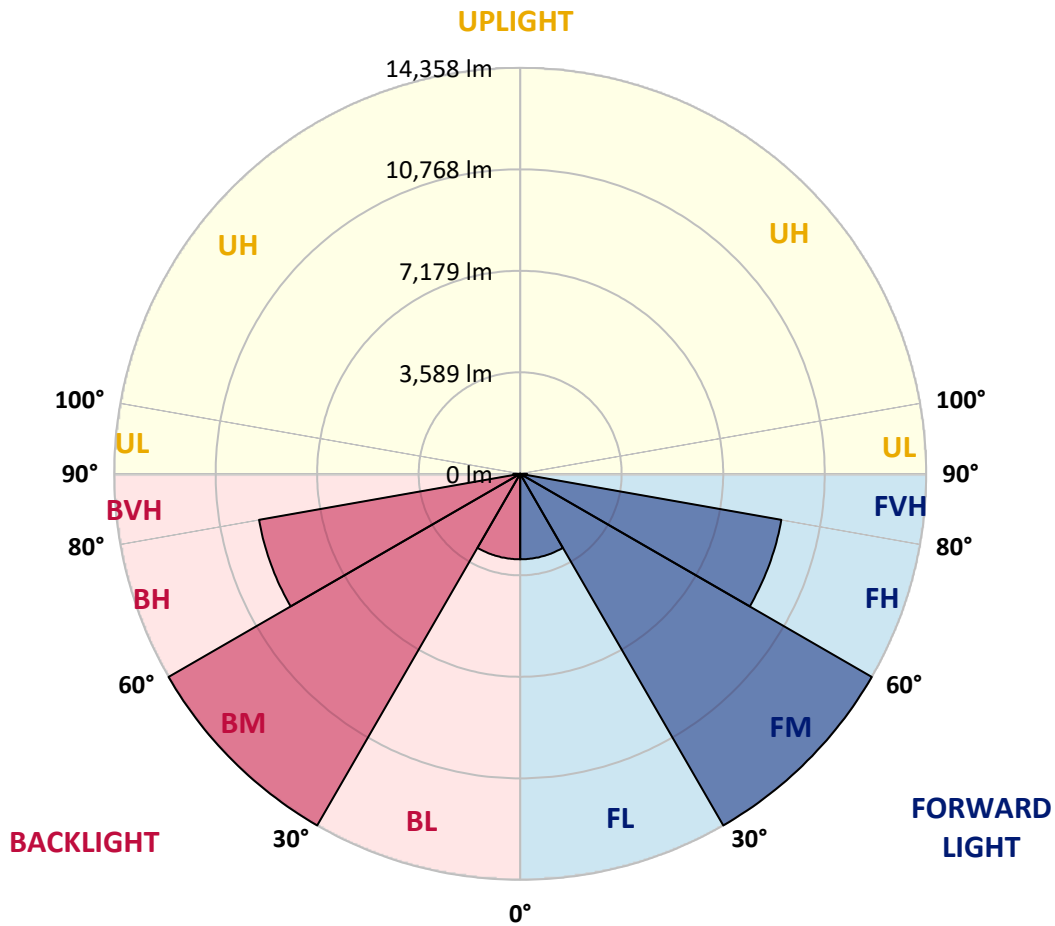
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3023.4	5.6			
FM (30°-60°)	14357.9	26.6			
FH (60°-80°)	9375.9	17.4			G4/12000
FVH (80°-90°)	243.4	0.5			G3/500
BL (0°-30°)	3023.4	5.6	B4/5000		
BM (30°-60°)	14357.9	26.6	B5		
BH (60°-80°)	9375.9	17.4	B5		G5
BVH (80°-90°)	243.4	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°	5784.5	5784.5	5784.5	5784.5	5784.5	5784.5	5784.5	5784.5	5784.5	5784.5
2.5°	5784.5	5779.0	5784.5	5790.0	5787.2	5787.2	5801.0	5809.3	5825.8	5823.1
5°	5745.9	5743.1	5765.2	5790.0	5809.3	5842.4	5883.7	5914.1	5952.7	5960.9
7.5°	5726.6	5718.3	5756.9	5801.0	5861.7	5944.4	6024.3	6107.1	6173.2	6195.3
10°	5740.4	5743.1	5795.5	5878.2	5974.7	6090.5	6203.6	6344.2	6437.9	6460.0
12.5°	5803.8	5798.3	5886.5	6018.8	6151.2	6297.3	6429.6	6584.0	6686.1	6738.4
15°	5919.6	5908.5	6032.6	6228.4	6421.4	6592.3	6699.8	6846.0	6964.5	7030.7
17.5°	6057.4	6062.9	6225.6	6479.3	6732.9	6925.9	7027.9	7102.4	7193.4	7251.3
20°	6300.1	6311.1	6493.1	6793.6	7083.1	7303.7	7386.4	7358.8	7383.6	7427.7
22.5°	6625.4	6630.9	6834.9	7160.3	7463.6	7706.2	7761.3	7648.3	7579.4	7609.7
25°	7003.1	7039.0	7243.0	7576.6	7888.2	8119.8	8144.6	7973.6	7802.7	7811.0
27.5°	7463.6	7496.7	7703.4	8034.3	8351.4	8552.6	8549.9	8321.0	8070.1	8006.7
30°	7962.6	7998.5	8210.8	8552.6	8847.7	9024.1	8985.5	8712.6	8354.1	8235.6
32.5°	8555.4	8577.5	8792.5	9134.4	9407.4	9548.0	9468.0	9131.6	8685.0	8549.9
35°	9272.3	9305.3	9465.3	9787.8	10027.7	10143.5	10008.4	9611.4	9109.6	8957.9
37.5°	10091.1	10069.1	10251.0	10537.8	10736.3	10808.0	10623.2	10151.8	9594.8	9415.6
40°	10945.8	10934.8	11133.3	11409.0	11516.6	11560.7	11287.7	10772.1	10154.5	9961.5
42.5°	11720.6	11712.3	11979.8	12285.8	12415.4	12365.8	12021.1	11431.1	10802.5	10581.9
45°	12340.9	12329.9	12658.0	13088.1	13341.8	13259.1	12795.9	12159.0	11458.7	11229.8
47.5°	12817.9	12823.4	13176.4	13708.5	14152.4	14182.7	13587.2	12900.6	12181.0	11921.9
50°	13162.6	13179.1	13556.8	14146.9	14753.4	15020.9	14395.0	13661.6	12928.2	12636.0
52.5°	13248.0	13278.4	13733.3	14425.3	15139.4	15649.5	15216.6	14392.3	13636.8	13358.3
55°	12793.1	12853.8	13430.0	14403.3	15376.6	16063.1	15939.0	15133.9	14350.9	14064.2
57.5°	11748.2	11833.6	12506.4	13777.4	15324.2	16347.1	16498.7	15845.3	15065.0	14789.3
60°	10284.1	10386.1	11031.3	12418.1	14585.3	16451.8	16893.0	16537.3	15721.2	15453.8
62.5°	8075.7	8208.0	8980.0	10606.7	13024.7	15963.8	17229.4	17163.2	16311.2	15977.6
65°	5180.7	5321.3	6134.6	8056.4	10943.1	14469.5	17334.1	17772.5	16934.3	16468.4
67.5°	3123.8	3187.3	3589.8	4882.9	7998.5	12216.9	16446.3	18448.0	17662.2	17083.2
70°	1998.9	2034.8	2274.6	2867.4	4521.7	8913.8	14246.1	18574.8	18544.5	17714.6
72.5°	1356.5	1367.5	1431.0	1698.4	2558.6	5064.9	10507.4	16815.8	19095.9	18528.0
75°	992.6	1053.2	1155.2	1202.1	1453.0	2531.1	6021.6	11814.3	16093.4	16341.6
77.5°	738.9	741.7	882.3	937.4	1036.7	1348.2	2547.6	6595.1	9991.9	10490.9
80°	625.9	592.8	590.0	755.5	780.3	840.9	1138.7	2277.4	3578.8	2169.9
82.5°	521.1	485.3	438.4	590.0	532.1	515.6	493.5	926.4	1138.7	559.7
85°	363.9	347.4	330.9	386.0	303.3	259.2	237.1	432.9	479.7	237.1
87.5°	157.2	162.7	165.4	170.9	126.8	91.0	91.0	121.3	121.3	93.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5784.5
5820.3
5960.9
6200.8
6482.0
6760.5
7055.5
7278.8
7460.8
7631.8
7824.8
8026.0
8249.4
8583.0
8980.0
9448.7
10025.0
10637.0
11282.2
11999.1
12724.2
13430.0
14144.1
14852.7
15511.7
16016.2
16526.3
17127.3
17709.1
18439.7
15740.5
9357.7
1640.5
477.0
209.5
68.9
0.0

OF REPORT)