

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: P957644

Luminaire Tested: **GALN-SB9D-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957644
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-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 69163 lumens
Efficiency: N/A
Efficacy: 105.1 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

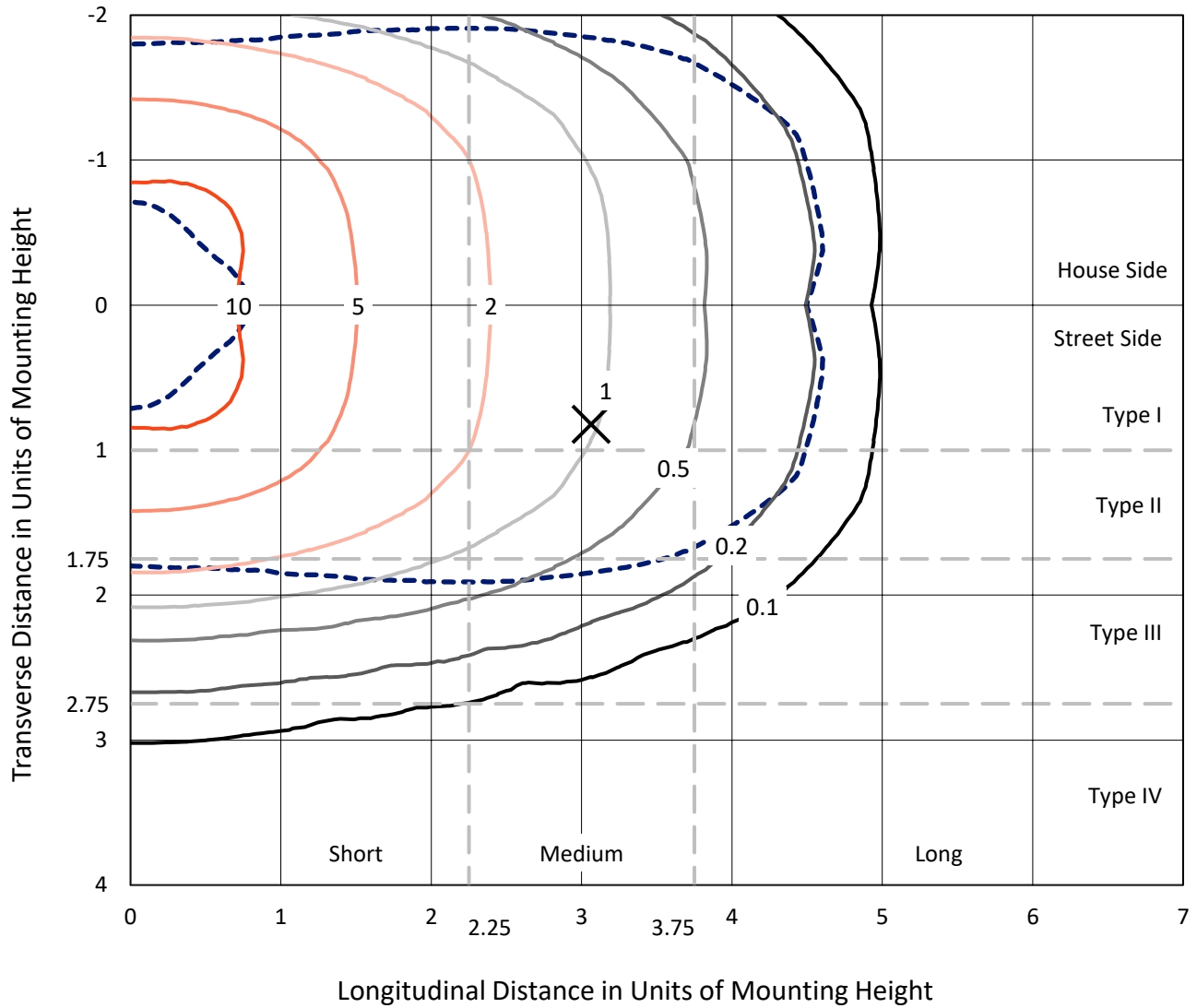
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957644
 CATALOG NUMBER: GALN-SB9D-940-U-RW

Iso-Footcandle Lines of Horizontal Illumination

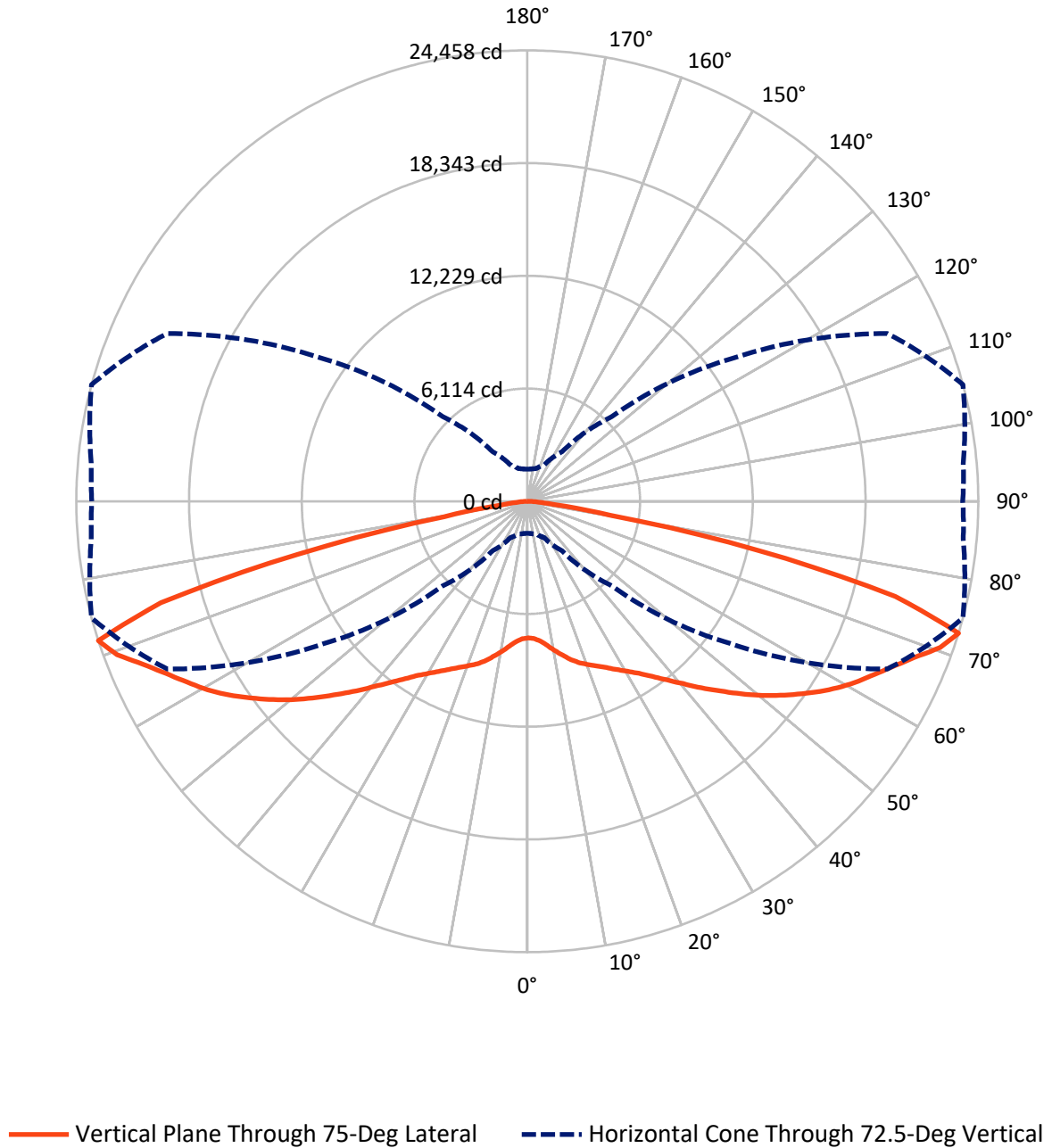
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type III - Medium - N/A

REPORT NUMBER: P957644
CATALOG NUMBER: GALN-SB9D-940-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34581.5	0.0	34581.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34581.5	0.0	34581.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	69163.0	0.0	69163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.7	1.0
10°-20°	2393.6	3.5
20°-30°	4625.2	6.7
30°-40°	7809.9	11.3
40°-50°	12385.6	17.9
50°-60°	16582.9	24.0
60°-70°	15781.6	22.8
70°-80°	8235.1	11.9
80°-90°	623.3	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°	69163.0	100.0
0°-180°	69163.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957644

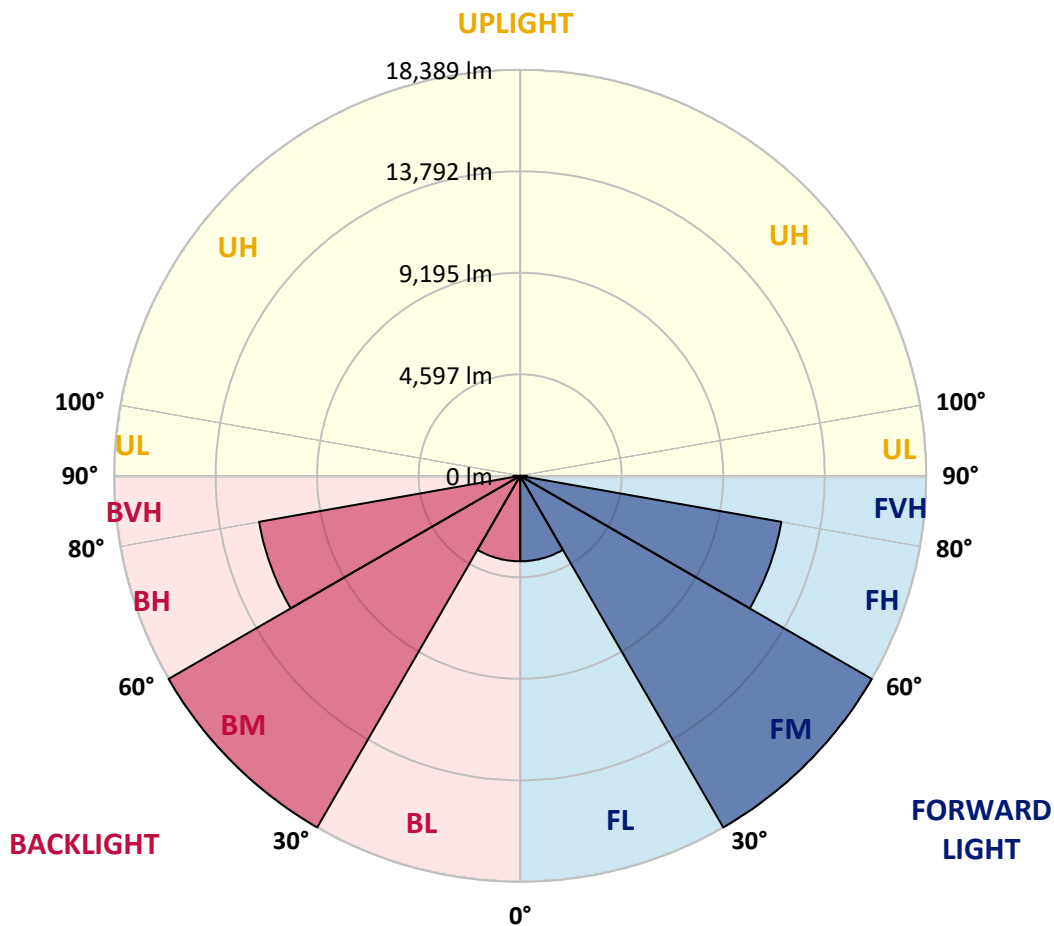
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3872.3	5.6			
FM (30°-60°)	18389.2	26.6			
FH (60°-80°)	12008.3	17.4			G5
FVH (80°-90°)	311.7	0.5			G3/500
BL (0°-30°)	3872.3	5.6	B4/5000		
BM (30°-60°)	18389.2	26.6	B5		
BH (60°-80°)	12008.3	17.4	B5		G5
BVH (80°-90°)	311.7	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



REPORT NUMBER: P957644

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7408.6	7408.6	7408.6	7408.6	7408.6	7408.6	7408.6	7408.6	7408.6	7408.6
2.5°	7408.6	7401.5	7408.6	7415.7	7412.1	7412.1	7429.8	7440.4	7461.6	7458.0
5°	7359.2	7355.6	7383.9	7415.7	7440.4	7482.8	7535.7	7574.6	7624.0	7634.6
7.5°	7334.4	7323.8	7373.3	7429.8	7507.5	7613.4	7715.8	7821.8	7906.5	7934.8
10°	7352.1	7355.6	7422.7	7528.7	7652.3	7800.6	7945.3	8125.4	8245.5	8273.8
12.5°	7433.3	7426.3	7539.3	7708.8	7878.3	8065.4	8234.9	8432.7	8563.3	8630.4
15°	7581.6	7567.5	7726.4	7977.1	8224.3	8443.3	8581.0	8768.1	8920.0	9004.7
17.5°	7758.2	7765.3	7973.6	8298.5	8623.4	8870.5	9001.2	9096.5	9213.1	9287.2
20°	8068.9	8083.1	8316.1	8701.0	9071.8	9354.3	9460.3	9424.9	9456.7	9513.2
22.5°	8485.6	8492.7	8754.0	9170.7	9559.1	9869.9	9940.5	9795.7	9707.4	9746.3
25°	8969.4	9015.3	9276.6	9703.9	10103.0	10399.6	10431.4	10212.4	9993.5	10004.1
27.5°	9559.1	9601.5	9866.4	10290.1	10696.2	10954.0	10950.5	10657.4	10336.0	10254.8
30°	10198.3	10244.2	10516.1	10954.0	11331.8	11557.8	11508.4	11158.8	10699.7	10547.9
32.5°	10957.5	10985.8	11261.2	11699.1	12048.7	12228.8	12126.4	11695.6	11123.5	10950.5
35°	11875.6	11918.0	12122.8	12536.0	12843.2	12991.5	12818.5	12310.0	11667.3	11473.1
37.5°	12924.4	12896.2	13129.2	13496.5	13750.7	13842.6	13606.0	13002.1	12288.8	12059.3
40°	14019.1	14005.0	14259.3	14612.4	14750.1	14806.6	14457.0	13796.7	13005.7	12758.5
42.5°	15011.4	15000.8	15343.3	15735.3	15901.3	15837.7	15396.3	14640.6	13835.5	13553.0
45°	15805.9	15791.8	16212.0	16762.9	17087.8	16981.9	16388.6	15572.9	14675.9	14382.8
47.5°	16416.9	16423.9	16875.9	17557.5	18126.0	18164.8	17402.1	16522.8	15601.1	15269.2
50°	16858.3	16879.4	17363.2	18118.9	18895.8	19238.3	18436.7	17497.4	16558.1	16183.8
52.5°	16967.7	17006.6	17589.2	18475.6	19390.2	20043.5	19489.1	18433.2	17465.6	17109.0
55°	16385.1	16462.8	17200.8	18447.3	19693.9	20573.2	20414.2	19383.1	18380.2	18013.0
57.5°	15046.7	15156.2	16017.8	17645.7	19626.8	20936.9	21131.1	20294.2	19294.8	18941.7
60°	13171.6	13302.3	14128.6	15904.8	18680.4	21071.1	21636.1	21180.5	20135.3	19792.7
62.5°	10343.1	10512.6	11501.3	13584.8	16681.7	20446.0	22066.9	21982.1	20891.0	20463.7
65°	6635.2	6815.3	7857.1	10318.4	14015.6	18532.1	22201.1	22762.5	21689.0	21092.2
67.5°	4000.9	4082.1	4597.7	6253.9	10244.2	15647.0	21064.0	23627.7	22621.3	21879.7
70°	2560.2	2606.1	2913.3	3672.5	5791.3	11416.6	18246.0	23790.1	23751.3	22688.4
72.5°	1737.4	1751.5	1832.7	2175.3	3277.0	6486.9	13457.7	21537.2	24457.5	23730.1
75°	1271.3	1348.9	1479.6	1539.6	1861.0	3241.7	7712.3	15131.5	20612.0	20929.8
77.5°	946.4	949.9	1130.0	1200.6	1327.8	1726.8	3262.9	8446.8	12797.3	13436.5
80°	801.6	759.2	755.7	967.6	999.3	1077.0	1458.4	2916.8	4583.6	2779.1
82.5°	667.4	621.5	561.5	755.7	681.5	660.3	632.1	1186.5	1458.4	716.8
85°	466.1	444.9	423.8	494.4	388.4	331.9	303.7	554.4	614.4	303.7
87.5°	201.3	208.3	211.9	218.9	162.4	116.5	116.5	155.4	155.4	120.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7408.6
7454.5
7634.6
7941.8
8302.0
8658.7
9036.5
9322.5
9555.6
9774.5
10021.7
10279.5
10565.5
10992.8
11501.3
12101.6
12839.7
13623.6
14449.9
15368.1
16296.8
17200.8
18115.4
19022.9
19866.9
20513.1
21166.4
21936.2
22681.3
23617.1
20160.0
11985.1
2101.1
610.9
268.4
88.3
0.0

OF REPORT)