

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: P957413

Luminaire Tested: **GALN-SB9D-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957413
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-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 100978 lumens
Efficiency: N/A
Efficacy: 153.5 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

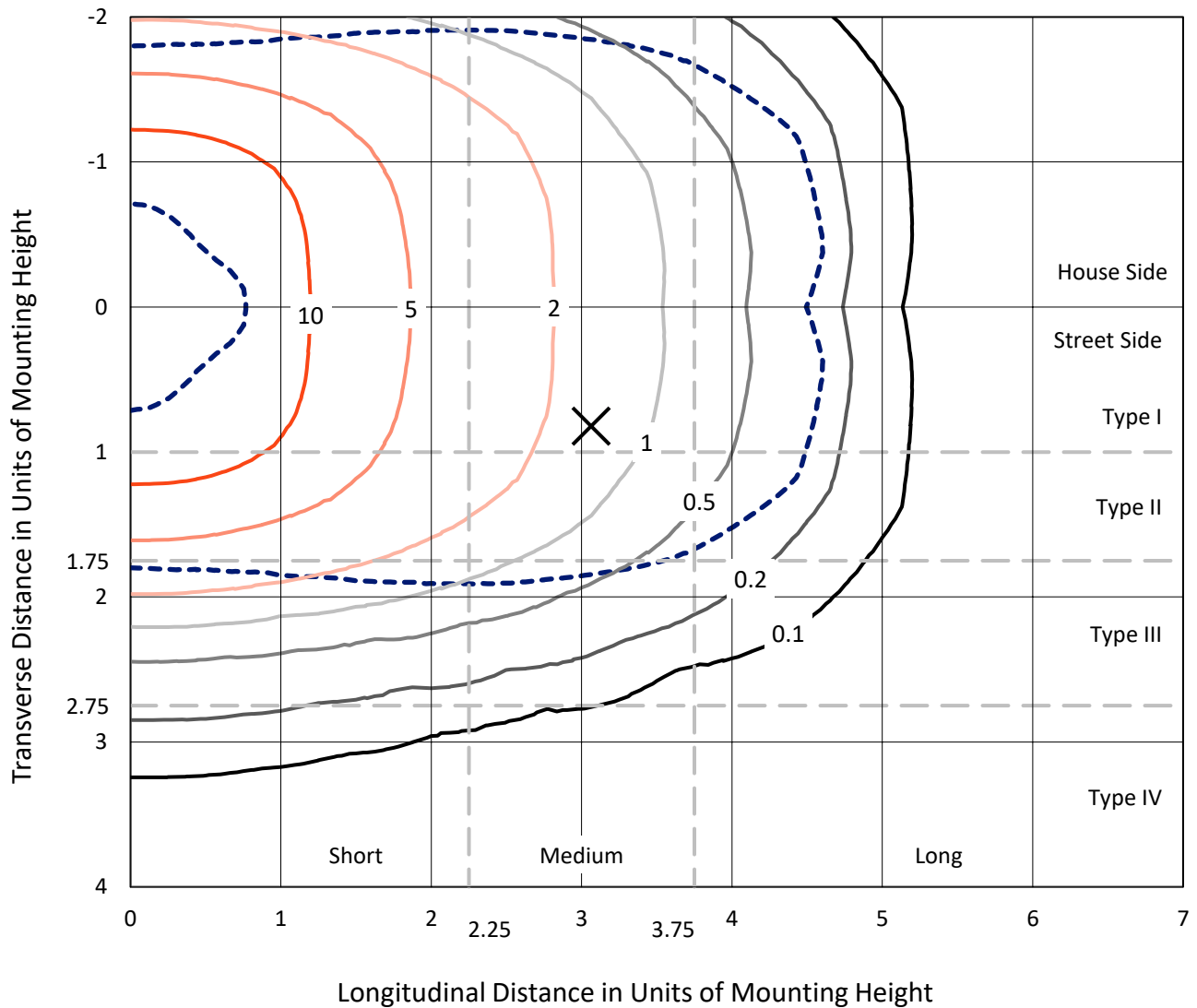
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

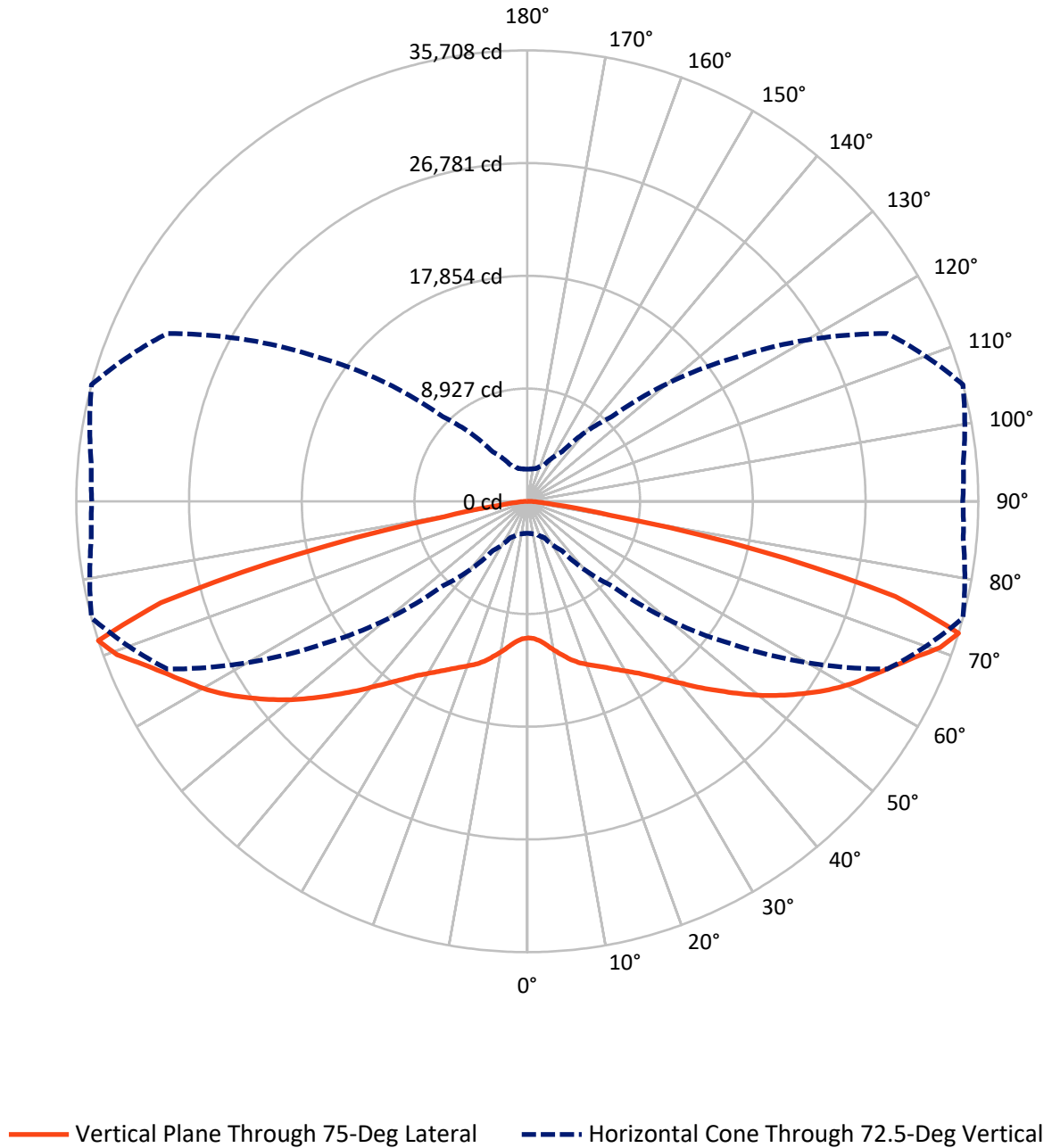
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 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	50489.0	0.0	50489.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	50489.0	0.0	50489.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	100978.0	0.0	100978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1059.6	1.0
10°-20°	3494.7	3.5
20°-30°	6752.8	6.7
30°-40°	11402.4	11.3
40°-50°	18083.0	17.9
50°-60°	24211.0	24.0
60°-70°	23041.1	22.8
70°-80°	12023.2	11.9
80°-90°	910.1	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°	100978.0	100.0
0°-180°	100978.0	100.0

Coefficient of Utilization



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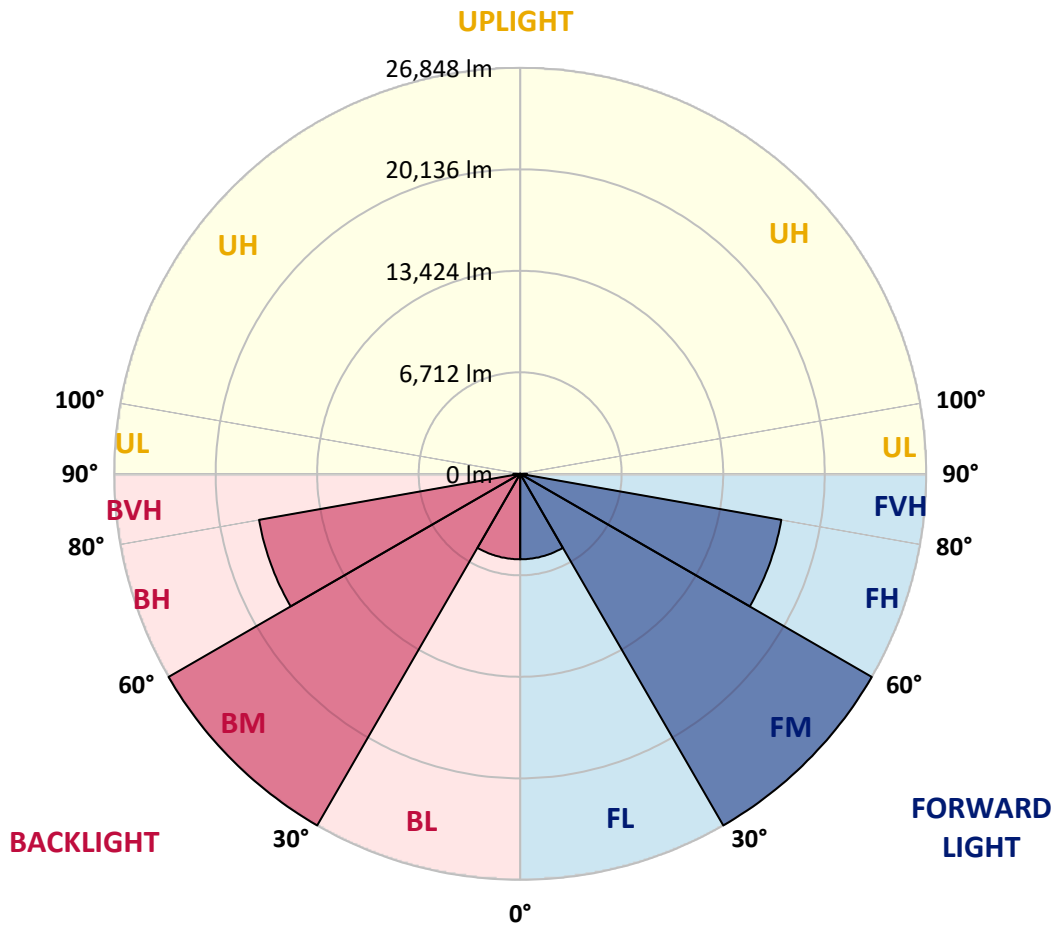
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5653.5	5.6			
FM (30°-60°)	26848.2	26.6			
FH (60°-80°)	17532.2	17.4			G5
FVH (80°-90°)	455.0	0.5			G3/500
BL (0°-30°)	5653.5	5.6	B5		
BM (30°-60°)	26848.2	26.6	B5		
BH (60°-80°)	17532.2	17.4	B5		G5
BVH (80°-90°)	455.0	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°	10816.6	10816.6	10816.6	10816.6	10816.6	10816.6	10816.6	10816.6	10816.6	10816.6
2.5°	10816.6	10806.2	10816.6	10826.9	10821.7	10821.7	10847.5	10863.0	10893.9	10888.7
5°	10744.4	10739.2	10780.5	10826.9	10863.0	10924.8	11002.2	11058.9	11131.0	11146.5
7.5°	10708.3	10692.8	10765.0	10847.5	10960.9	11115.6	11265.1	11419.8	11543.5	11584.7
10°	10734.1	10739.2	10837.2	10991.8	11172.3	11388.8	11600.2	11863.1	12038.4	12079.7
12.5°	10852.6	10842.3	11007.3	11254.8	11502.3	11775.5	12023.0	12311.7	12502.4	12600.4
15°	11069.2	11048.6	11280.6	11646.6	12007.5	12327.2	12528.2	12801.5	13023.2	13146.9
17.5°	11327.0	11337.3	11641.5	12115.8	12590.1	12951.0	13141.7	13281.0	13451.1	13559.4
20°	11780.7	11801.3	12141.6	12703.5	13244.9	13657.3	13812.0	13760.4	13806.8	13889.3
22.5°	12389.0	12399.3	12780.9	13389.2	13956.3	14410.0	14513.2	14301.8	14172.9	14229.6
25°	13095.3	13162.4	13543.9	14167.7	14750.3	15183.4	15229.8	14910.1	14590.5	14606.0
27.5°	13956.3	14018.2	14404.9	15023.6	15616.5	15992.8	15987.7	15559.7	15090.6	14972.0
30°	14889.5	14956.5	15353.5	15992.8	16544.5	16874.4	16802.3	16291.9	15621.6	15399.9
32.5°	15998.0	16039.2	16441.4	17080.7	17591.1	17854.0	17704.5	17075.5	16240.3	15987.7
35°	17338.4	17400.3	17699.3	18302.6	18751.1	18967.6	18715.0	17972.6	17034.3	16750.7
37.5°	18869.7	18828.4	19168.7	19704.9	20076.1	20210.1	19864.7	18983.1	17941.7	17606.5
40°	20467.9	20447.3	20818.5	21334.1	21535.1	21617.6	21107.2	20143.1	18988.3	18627.4
42.5°	21916.7	21901.2	22401.3	22973.6	23215.9	23123.1	22478.6	21375.3	20199.8	19787.4
45°	23076.7	23056.1	23669.6	24473.9	24948.2	24793.5	23927.4	22736.4	21426.9	20999.0
47.5°	23968.6	23978.9	24638.8	25633.9	26463.9	26520.7	25407.0	24123.3	22777.7	22293.0
50°	24613.1	24644.0	25350.3	26453.6	27587.9	28088.0	26917.6	25546.2	24174.8	23628.3
52.5°	24772.9	24829.6	25680.3	26974.4	28309.7	29263.5	28454.0	26912.5	25499.8	24979.1
55°	23922.2	24035.6	25113.2	26933.1	28753.1	30036.8	29804.8	28299.4	26835.2	26299.0
57.5°	21968.2	22128.0	23386.0	25762.8	28655.1	30567.8	30851.4	29629.5	28170.5	27654.9
60°	19230.6	19421.3	20627.8	23221.0	27273.4	30763.8	31588.7	30923.6	29397.5	28897.4
62.5°	15100.9	15348.4	16791.9	19833.8	24355.3	29851.2	32217.7	32093.9	30500.8	29877.0
65°	9687.5	9950.4	11471.3	15064.8	20462.8	27056.8	32413.6	33233.3	31666.0	30794.7
67.5°	5841.4	5959.9	6712.7	9130.7	14956.5	22844.7	30753.4	34496.4	33027.1	31944.4
70°	3737.8	3804.9	4253.4	5361.9	8455.3	16668.2	26639.2	34733.6	34676.9	33125.0
72.5°	2536.6	2557.2	2675.8	3175.9	4784.4	9470.9	19648.2	31444.3	35708.0	34646.0
75°	1856.0	1969.5	2160.2	2247.9	2717.0	4732.9	11259.9	22092.0	30093.5	30557.5
77.5°	1381.7	1386.9	1649.8	1752.9	1938.5	2521.1	4763.8	12332.3	18684.1	19617.2
80°	1170.3	1108.5	1103.3	1412.6	1459.0	1572.5	2129.3	4258.6	6692.0	4057.5
82.5°	974.4	907.4	819.7	1103.3	995.0	964.1	922.9	1732.3	2129.3	1046.6
85°	680.5	649.6	618.7	721.8	567.1	484.6	443.4	809.4	897.1	443.4
87.5°	293.9	304.2	309.3	319.7	237.2	170.1	170.1	226.8	226.8	175.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
10816.6
10883.6
11146.5
11595.1
12120.9
12641.7
13193.3
13610.9
13951.2
14270.8
14631.7
15008.1
15425.7
16049.5
16791.9
17668.4
18745.9
19890.5
21096.9
22437.4
23793.3
25113.2
26448.5
27773.5
29005.7
29949.2
30903.0
32026.9
33114.7
34481.0
29433.6
17498.3
3067.6
891.9
391.8
128.9
0.0

OF REPORT)