

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: P955985

Luminaire Tested: **GALN-SB8D-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955985
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-SB8D-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 89645 lumens
Efficiency: N/A
Efficacy: 153.3 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

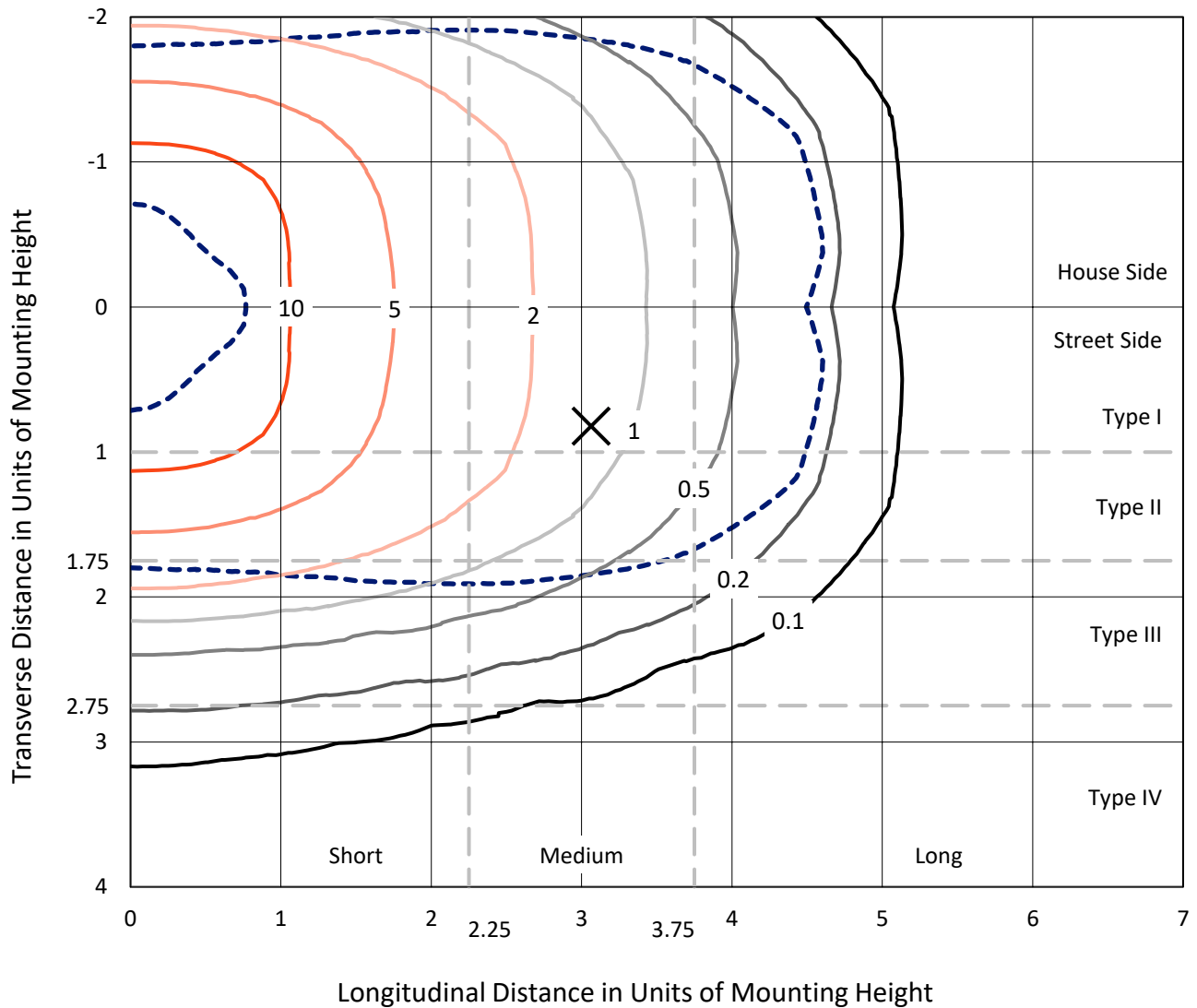
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

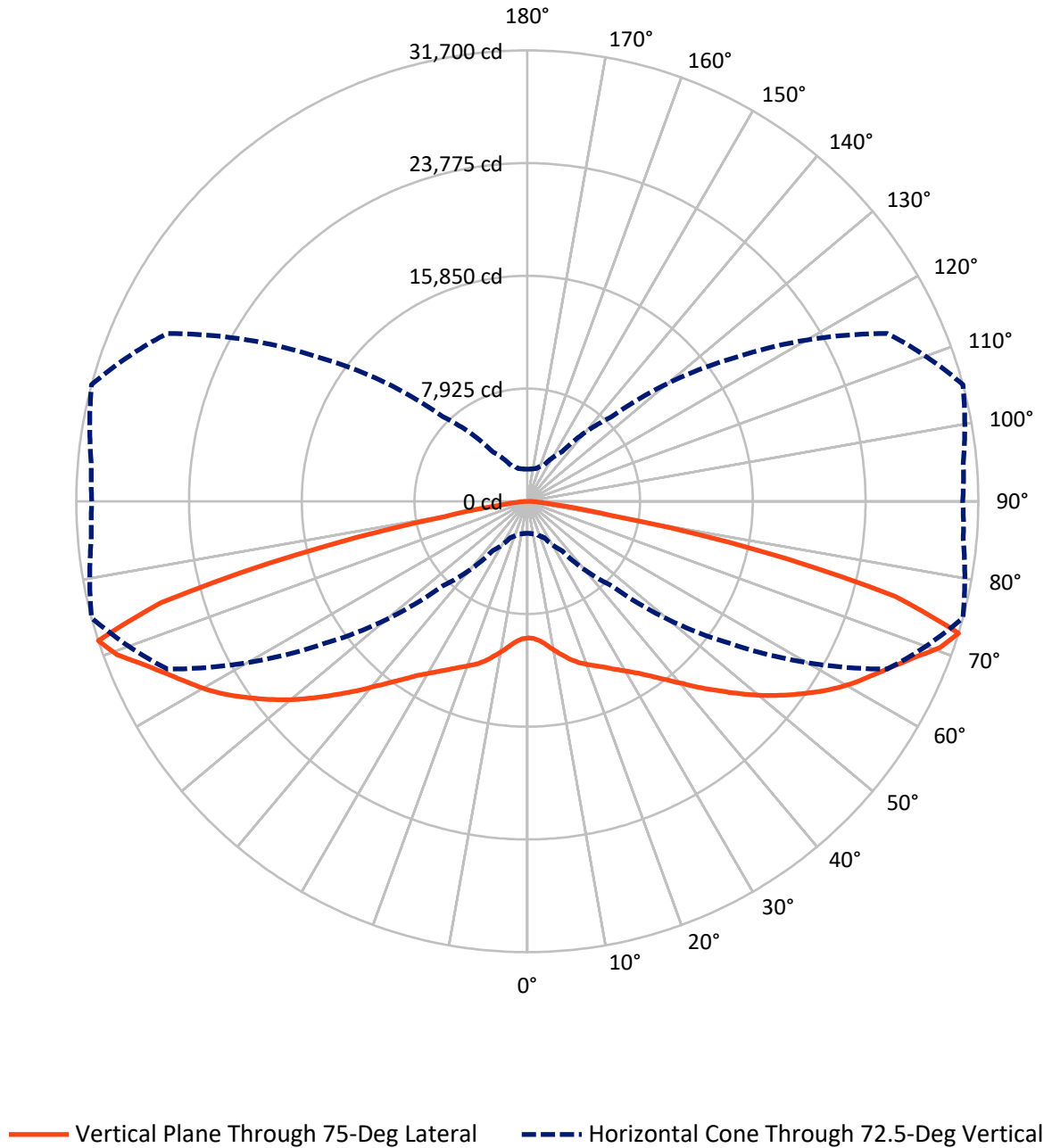
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 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	44822.5	0.0	44822.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	44822.5	0.0	44822.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	89645.0	0.0	89645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.7	1.0
10°-20°	3102.5	3.5
20°-30°	5994.9	6.7
30°-40°	10122.7	11.3
40°-50°	16053.5	17.9
50°-60°	21493.8	24.0
60°-70°	20455.2	22.8
70°-80°	10673.9	11.9
80°-90°	808.0	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°	89645.0	100.0
0°-180°	89645.0	100.0

Coefficient of Utilization

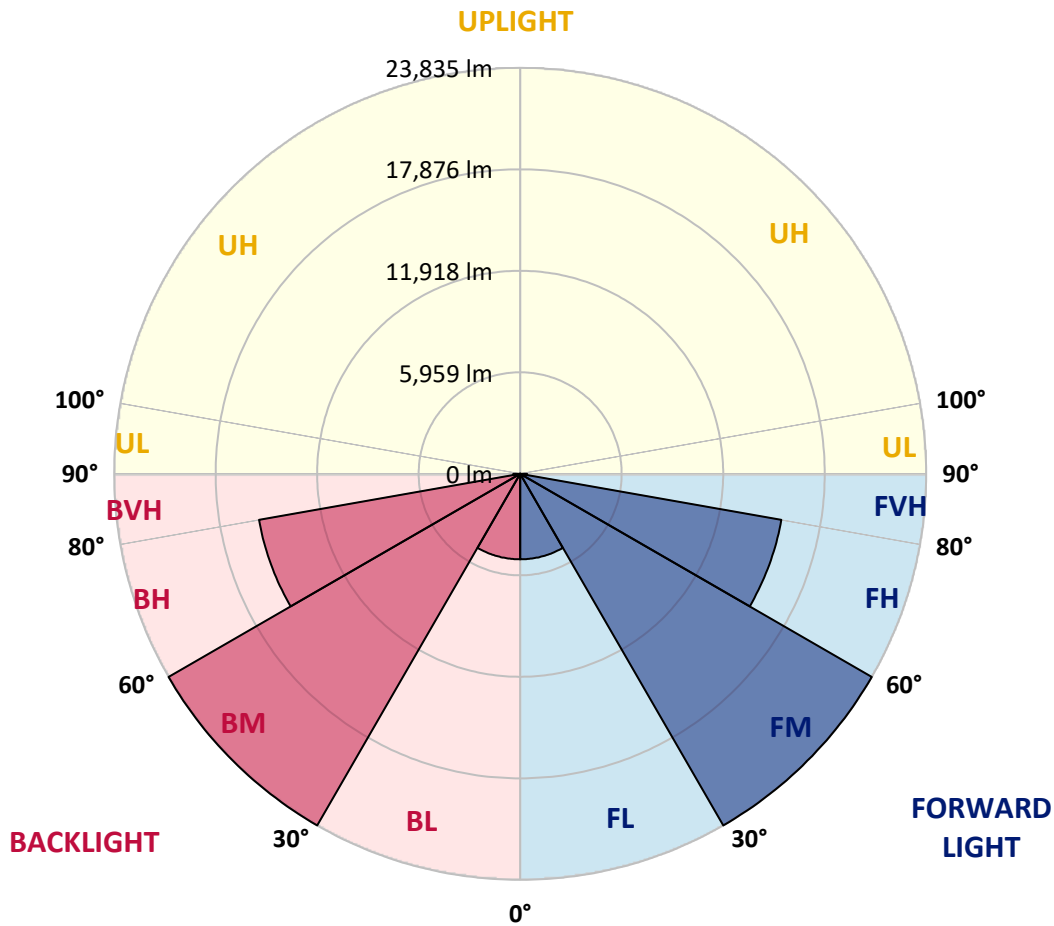


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5019.0	5.6			
FM (30°-60°)	23835.0	26.6			
FH (60°-80°)	15564.5	17.4			G5
FVH (80°-90°)	404.0	0.5			G3/500
BL (0°-30°)	5019.0	5.6	B5		
BM (30°-60°)	23835.0	26.6	B5		
BH (60°-80°)	15564.5	17.4	B5		G5
BVH (80°-90°)	404.0	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°	9602.6	9602.6	9602.6	9602.6	9602.6	9602.6	9602.6	9602.6	9602.6	9602.6
2.5°	9602.6	9593.4	9602.6	9611.7	9607.2	9607.2	9630.0	9643.8	9671.2	9666.7
5°	9538.5	9533.9	9570.5	9611.7	9643.8	9698.7	9767.4	9817.7	9881.8	9895.5
7.5°	9506.5	9492.7	9556.8	9630.0	9730.7	9868.1	10000.8	10138.1	10247.9	10284.6
10°	9529.4	9533.9	9620.9	9758.2	9918.4	10110.6	10298.3	10531.7	10687.3	10724.0
12.5°	9634.6	9625.5	9771.9	9991.6	10211.3	10453.9	10673.6	10929.9	11099.3	11186.2
15°	9826.9	9808.6	10014.5	10339.5	10659.9	10943.7	11122.2	11364.7	11561.5	11671.4
17.5°	10055.7	10064.9	10334.9	10756.0	11177.1	11497.5	11666.8	11790.4	11941.4	12037.6
20°	10458.5	10476.8	10778.9	11277.8	11758.4	12124.5	12261.8	12216.1	12257.3	12330.5
22.5°	10998.6	11007.7	11346.4	11886.5	12390.0	12792.8	12884.3	12696.6	12582.2	12632.6
25°	11625.6	11685.1	12023.8	12577.6	13094.8	13479.3	13520.5	13236.7	12953.0	12966.7
27.5°	12390.0	12444.9	12788.2	13337.4	13863.8	14197.9	14193.3	13813.4	13396.9	13291.7
30°	13218.4	13277.9	13630.4	14197.9	14687.7	14980.6	14916.5	14463.4	13868.4	13671.6
32.5°	14202.5	14239.1	14596.1	15163.7	15616.8	15850.2	15717.5	15159.1	14417.6	14193.3
35°	15392.5	15447.4	15712.9	16248.4	16646.6	16838.9	16614.6	15955.5	15122.5	14870.7
37.5°	16751.9	16715.3	17017.4	17493.4	17822.9	17941.9	17635.3	16852.6	15928.0	15630.5
40°	18170.8	18152.5	18482.0	18939.7	19118.2	19191.4	18738.3	17882.4	16857.2	16536.8
42.5°	19456.9	19443.2	19887.1	20395.2	20610.3	20527.9	19955.8	18976.3	17932.8	17566.6
45°	20486.7	20468.4	21013.1	21727.1	22148.2	22010.9	21241.9	20184.7	19022.1	18642.2
47.5°	21278.6	21287.7	21873.6	22756.9	23493.8	23544.2	22555.5	21415.9	20221.3	19791.0
50°	21850.7	21878.1	22505.2	23484.7	24491.6	24935.6	23896.6	22679.1	21461.6	20976.5
52.5°	21992.6	22042.9	22798.1	23947.0	25132.4	25979.2	25260.6	23892.0	22637.9	22175.7
55°	21237.4	21338.1	22294.7	23910.3	25526.0	26665.7	26459.7	25123.3	23823.4	23347.4
57.5°	19502.7	19644.6	20761.4	22871.4	25439.1	27137.1	27388.9	26304.1	25008.8	24551.1
60°	17072.3	17241.6	18312.6	20614.9	24212.4	27311.1	28043.4	27453.0	26098.2	25654.2
62.5°	13406.1	13625.8	14907.3	17607.8	21621.8	26500.9	28601.8	28491.9	27077.6	26523.8
65°	8600.2	8833.6	10183.9	13374.0	18166.2	24020.2	28775.7	29503.5	28112.0	27338.5
67.5°	5185.8	5291.0	5959.3	8105.9	13277.9	20280.8	27301.9	30624.8	29320.4	28359.2
70°	3318.3	3377.8	3776.0	4760.1	7506.3	14797.5	23649.5	30835.4	30785.0	29407.3
72.5°	2251.9	2270.2	2375.5	2819.4	4247.5	8408.0	17443.0	27915.2	31700.4	30757.6
75°	1647.7	1748.4	1917.8	1995.6	2412.1	4201.7	9996.2	19612.5	26716.1	27128.0
77.5°	1226.6	1231.2	1464.6	1556.2	1721.0	2238.2	4229.2	10948.2	16587.1	17415.6
80°	1039.0	984.1	979.5	1254.1	1295.3	1396.0	1890.3	3780.6	5941.0	3602.1
82.5°	865.1	805.6	727.7	979.5	883.4	855.9	819.3	1537.9	1890.3	929.1
85°	604.2	576.7	549.2	640.8	503.5	430.2	393.6	718.6	796.4	393.6
87.5°	260.9	270.0	274.6	283.8	210.5	151.0	151.0	201.4	201.4	155.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
9602.6
9662.1
9895.5
10293.7
10760.6
11222.8
11712.6
12083.3
12385.4
12669.2
12989.6
13323.7
13694.4
14248.3
14907.3
15685.4
16642.0
17658.1
18729.2
19919.2
21122.9
22294.7
23480.1
24656.4
25750.3
26587.9
27434.6
28432.4
29398.2
30611.1
26130.2
15534.4
2723.3
791.8
347.9
114.4
0.0

OF REPORT)