

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: P952919

Luminaire Tested: **GALN-SB6C-850-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952919
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-SB6C-850-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44732 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

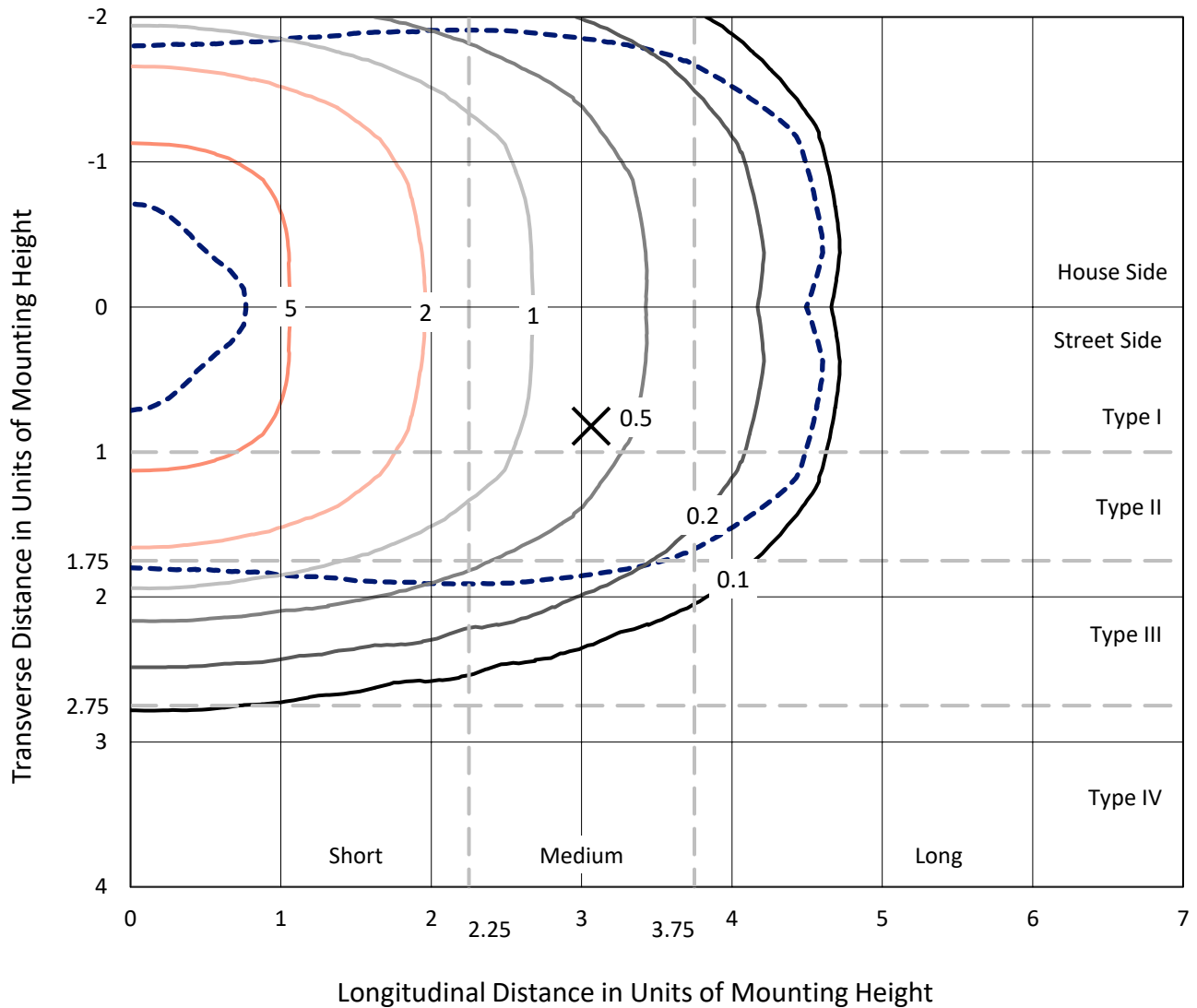
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

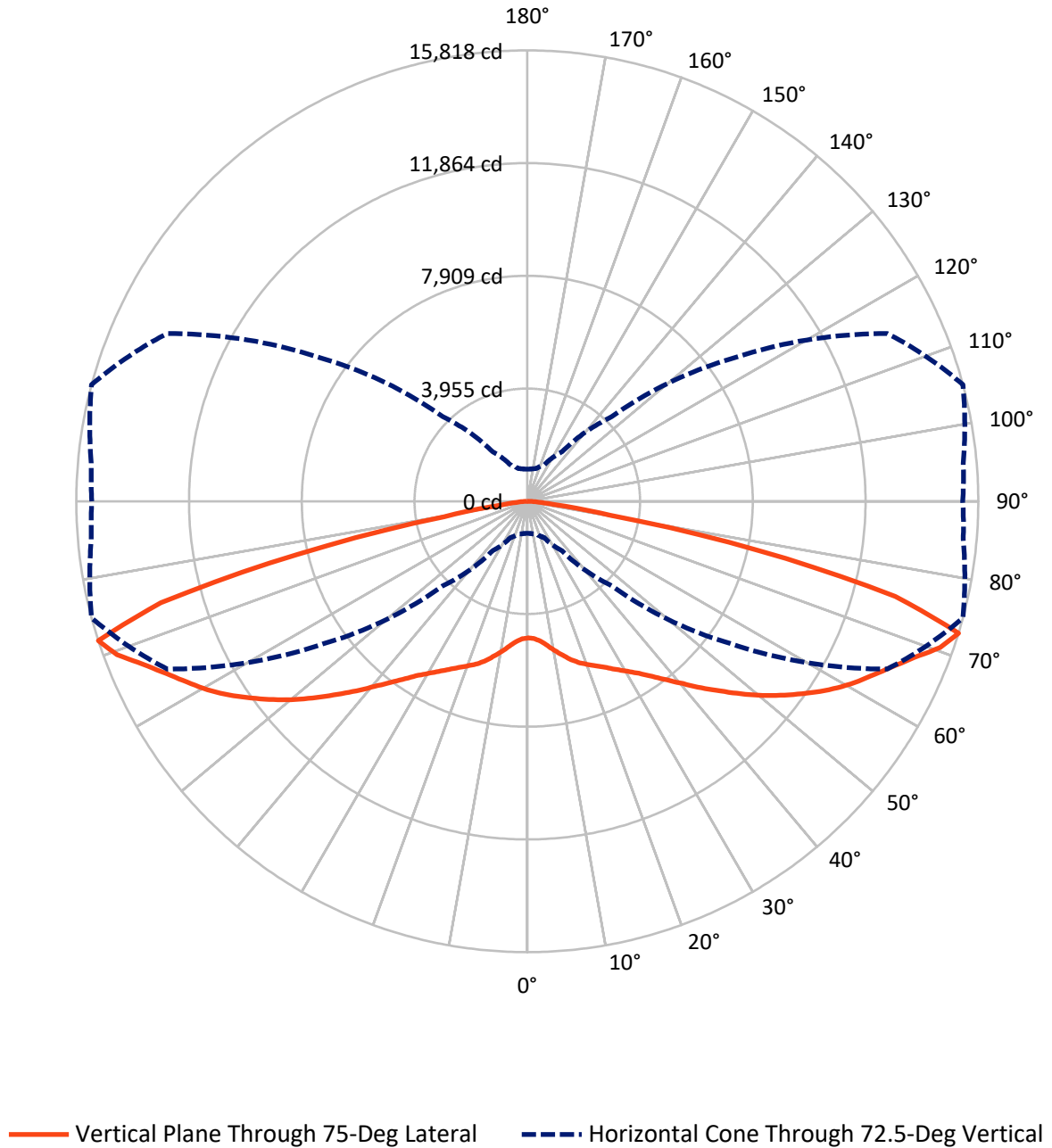
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	22366.0	0.0	22366.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22366.0	0.0	22366.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44732.0	0.0	44732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.4	1.0
10°-20°	1548.1	3.5
20°-30°	2991.4	6.7
30°-40°	5051.1	11.3
40°-50°	8010.5	17.9
50°-60°	10725.2	24.0
60°-70°	10206.9	22.8
70°-80°	5326.1	11.9
80°-90°	403.2	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°	44732.0	100.0
0°-180°	44732.0	100.0

Coefficient of Utilization



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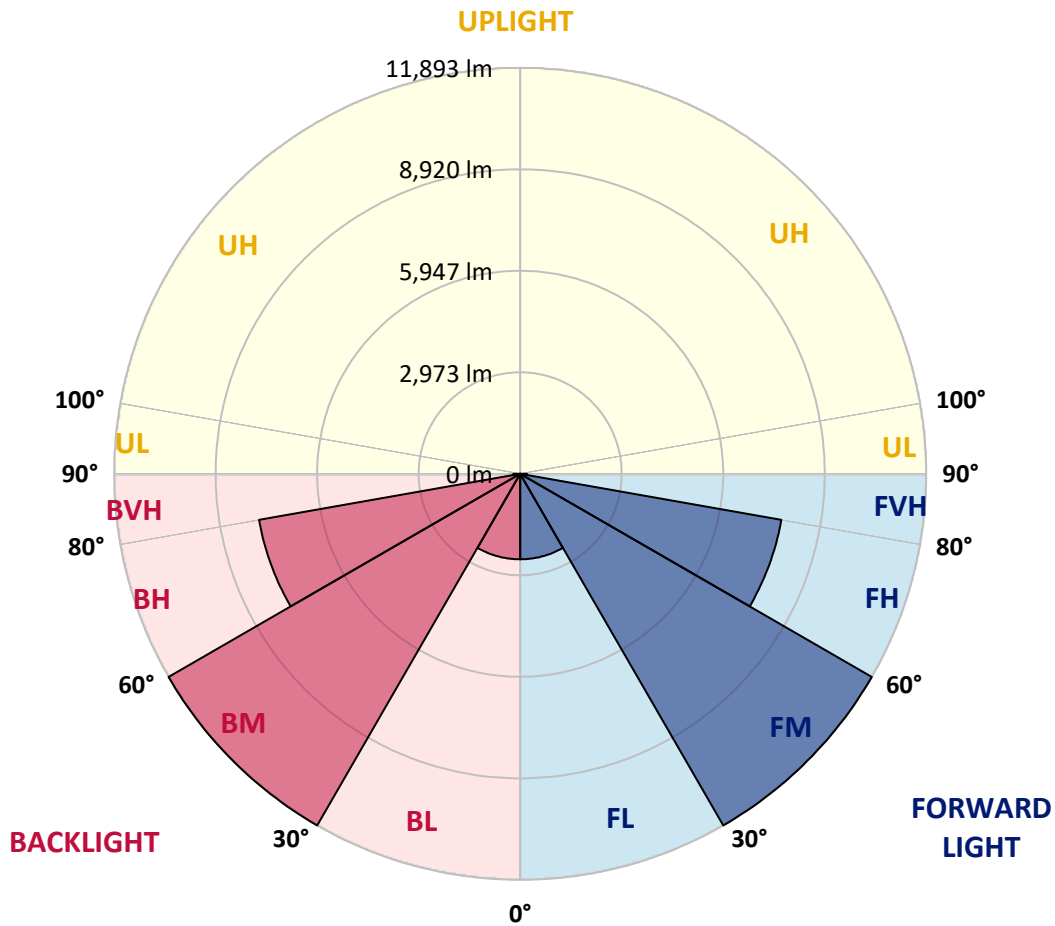
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2504.4	5.6			
FM (30°-60°)	11893.4	26.6			
FH (60°-80°)	7766.5	17.4			G4/12000
FVH (80°-90°)	201.6	0.5			G2/225
BL (0°-30°)	2504.4	5.6	B4/5000		
BM (30°-60°)	11893.4	26.6	B5		
BH (60°-80°)	7766.5	17.4	B5		G5
BVH (80°-90°)	201.6	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°	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6
2.5°	4791.6	4787.0	4791.6	4796.2	4793.9	4793.9	4805.3	4812.2	4825.9	4823.6
5°	4759.6	4757.3	4775.6	4796.2	4812.2	4839.6	4873.8	4898.9	4930.9	4937.8
7.5°	4743.6	4736.8	4768.8	4805.3	4855.5	4924.1	4990.3	5058.8	5113.6	5131.9
10°	4755.1	4757.3	4800.7	4869.3	4949.2	5045.1	5138.7	5255.2	5332.9	5351.2
12.5°	4807.6	4803.0	4876.1	4985.7	5095.4	5216.4	5326.0	5453.9	5538.4	5581.8
15°	4903.5	4894.4	4997.1	5159.3	5319.2	5460.8	5549.8	5670.9	5769.1	5823.9
17.5°	5017.7	5022.3	5157.0	5367.1	5577.3	5737.1	5821.6	5883.3	5958.7	6006.6
20°	5218.7	5227.8	5378.6	5627.5	5867.3	6050.0	6118.5	6095.7	6116.3	6152.8
22.5°	5488.2	5492.8	5661.8	5931.3	6182.5	6383.5	6429.1	6335.5	6278.4	6303.5
25°	5801.1	5830.8	5999.8	6276.1	6534.2	6726.1	6746.6	6605.0	6463.4	6470.3
27.5°	6182.5	6209.9	6381.2	6655.3	6917.9	7084.6	7082.3	6892.8	6684.9	6632.4
30°	6595.9	6625.6	6801.4	7084.6	7329.0	7475.2	7443.2	7217.1	6920.2	6822.0
32.5°	7086.9	7105.2	7283.3	7566.5	7792.6	7909.1	7842.9	7564.2	7194.2	7082.3
35°	7680.7	7708.1	7840.6	8107.8	8306.5	8402.4	8290.5	7961.6	7546.0	7420.4
37.5°	8359.0	8340.8	8491.5	8729.0	8893.5	8952.8	8799.8	8409.3	7947.9	7799.5
40°	9067.0	9057.9	9222.3	9450.7	9539.8	9576.3	9350.2	8923.2	8411.6	8251.7
42.5°	9708.8	9702.0	9923.5	10177.0	10284.3	10243.2	9957.8	9469.0	8948.3	8765.6
45°	10222.7	10213.5	10485.3	10841.6	11051.7	10983.2	10599.5	10071.9	9491.8	9302.3
47.5°	10617.8	10622.4	10914.7	11355.5	11723.2	11748.3	11255.0	10686.3	10090.2	9875.5
50°	10903.3	10917.0	11229.9	11718.6	12221.1	12442.6	11924.2	11316.7	10709.2	10467.1
52.5°	10974.1	10999.2	11376.0	11949.3	12540.8	12963.4	12604.8	11921.9	11296.1	11065.4
55°	10597.2	10647.5	11124.8	11931.0	12737.2	13305.9	13203.2	12536.3	11887.6	11650.1
57.5°	9731.6	9802.4	10359.7	11412.6	12693.9	13541.2	13666.8	13125.5	12479.2	12250.8
60°	8518.9	8603.4	9137.8	10286.6	12081.8	13628.0	13993.4	13698.8	13022.7	12801.2
62.5°	6689.5	6799.1	7438.6	8786.1	10789.1	13223.7	14272.0	14217.2	13511.5	13235.1
65°	4291.4	4407.9	5081.7	6673.5	9064.8	11985.8	14358.8	14721.9	14027.6	13641.7
67.5°	2587.6	2640.2	2973.6	4044.8	6625.6	10119.9	13623.4	15281.5	14630.6	14151.0
70°	1655.8	1685.5	1884.2	2375.2	3745.6	7383.8	11800.9	15386.6	15361.4	14674.0
72.5°	1123.7	1132.8	1185.3	1406.9	2119.4	4195.5	8703.9	13929.4	15818.2	15347.7
75°	822.2	872.4	956.9	995.8	1203.6	2096.6	4988.0	9786.5	13331.1	13536.6
77.5°	612.1	614.4	730.8	776.5	858.7	1116.8	2110.3	5463.1	8276.8	8690.2
80°	518.4	491.0	488.8	625.8	646.3	696.6	943.2	1886.5	2964.5	1797.4
82.5°	431.7	402.0	363.1	488.8	440.8	427.1	408.8	767.4	943.2	463.6
85°	301.5	287.8	274.1	319.7	251.2	214.7	196.4	358.6	397.4	196.4
87.5°	130.2	134.7	137.0	141.6	105.1	75.4	75.4	100.5	100.5	77.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4791.6
4821.3
4937.8
5136.5
5369.4
5600.1
5844.5
6029.5
6180.2
6321.8
6481.7
6648.4
6833.4
7109.7
7438.6
7826.9
8304.2
8811.2
9345.7
9939.5
10540.1
11124.8
11716.3
12303.3
12849.2
13267.1
13689.6
14187.5
14669.4
15274.6
13038.7
7751.5
1358.9
395.1
173.6
57.1
0.0

OF REPORT)