

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: P952559

Luminaire Tested: **GALN-SB6B-850-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-850-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34227 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

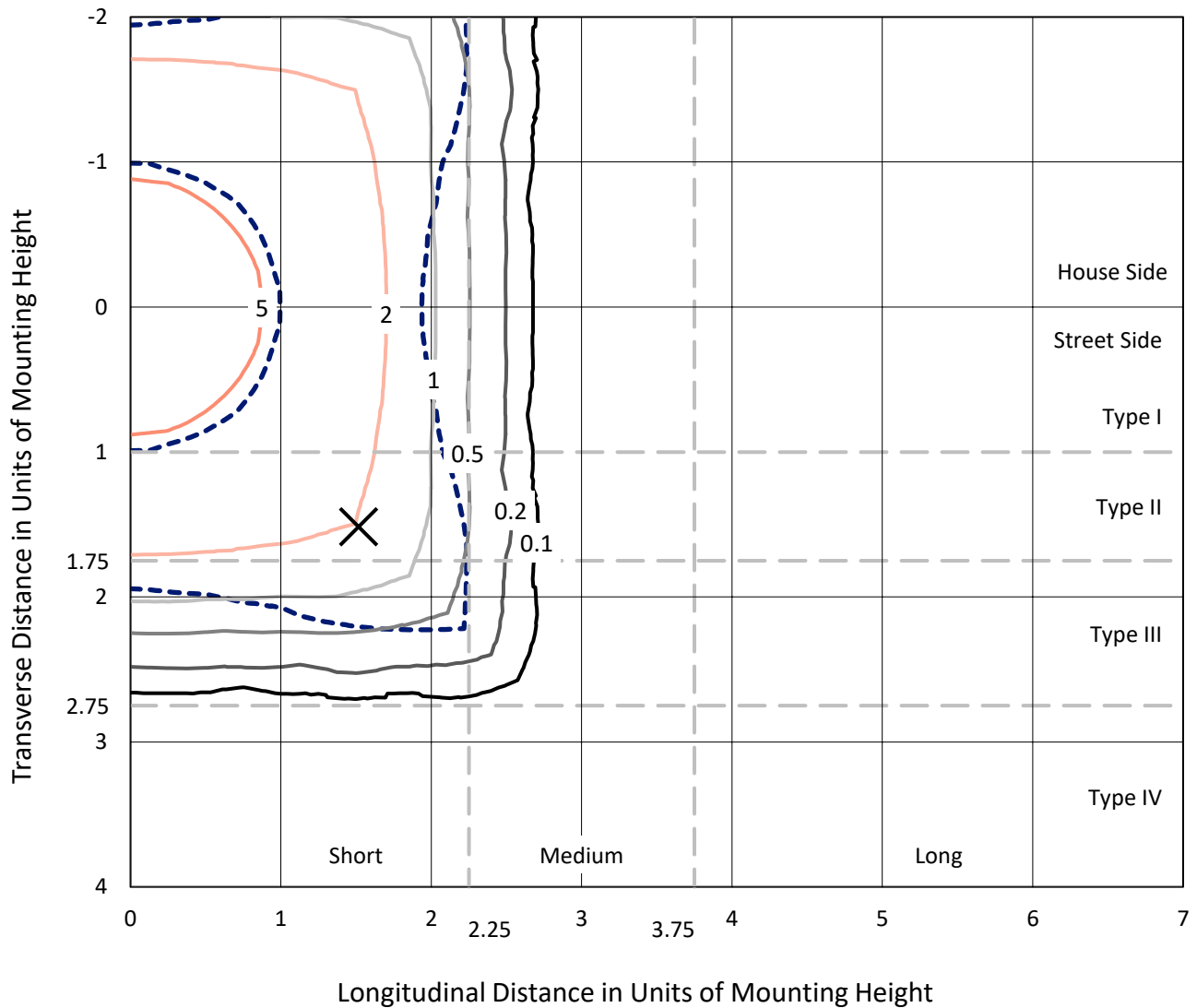
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

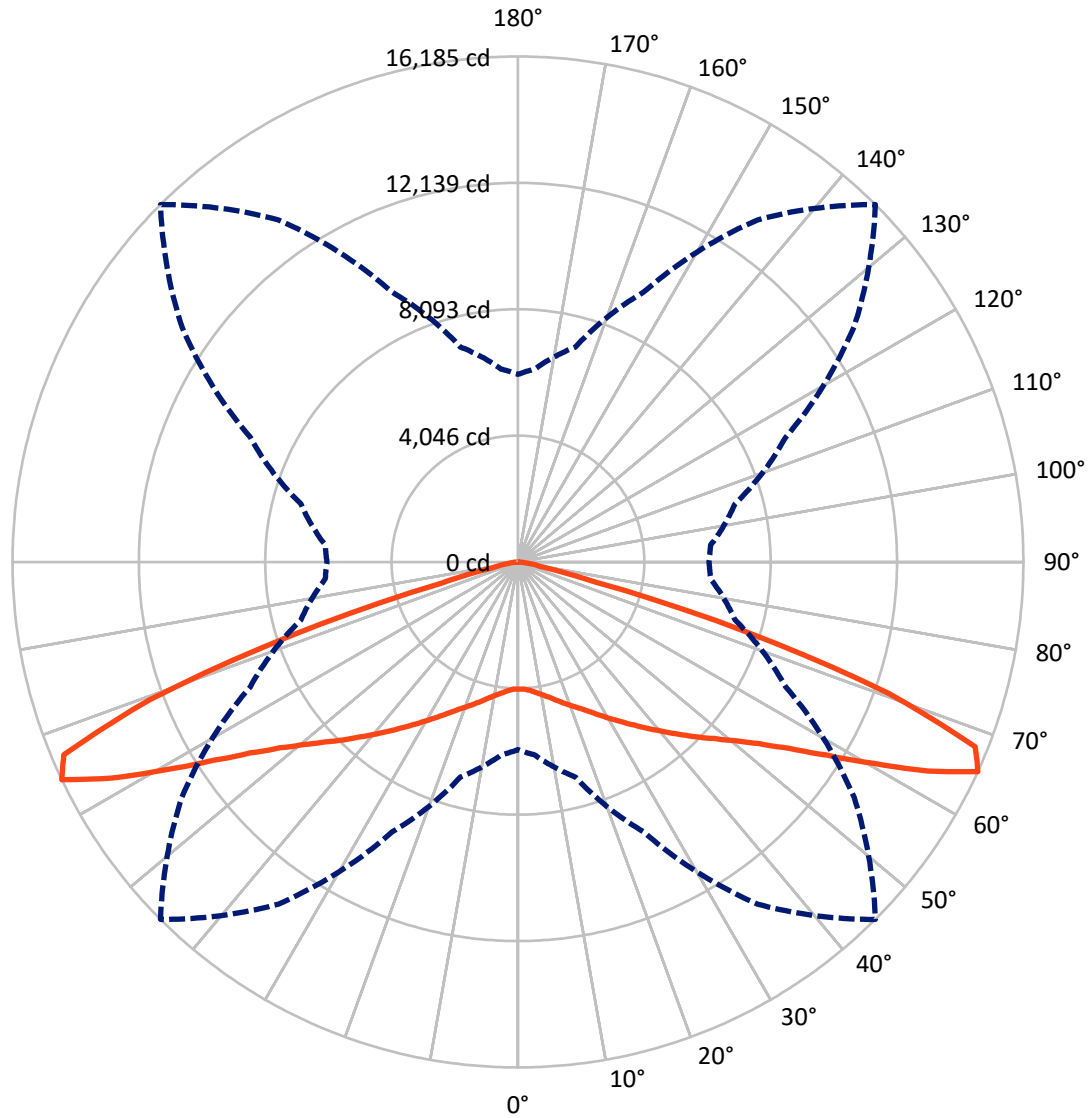
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17113.5	0.0	17113.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17113.5	0.0	17113.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34227.0	0.0	34227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.0	1.2
10°-20°	1311.8	3.8
20°-30°	2476.8	7.2
30°-40°	4055.6	11.8
40°-50°	6288.2	18.4
50°-60°	9289.0	27.1
60°-70°	8842.3	25.8
70°-80°	1426.8	4.2
80°-90°	134.5	0.4
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°	34227.0	100.0
0°-180°	34227.0	100.0

Coefficient of Utilization



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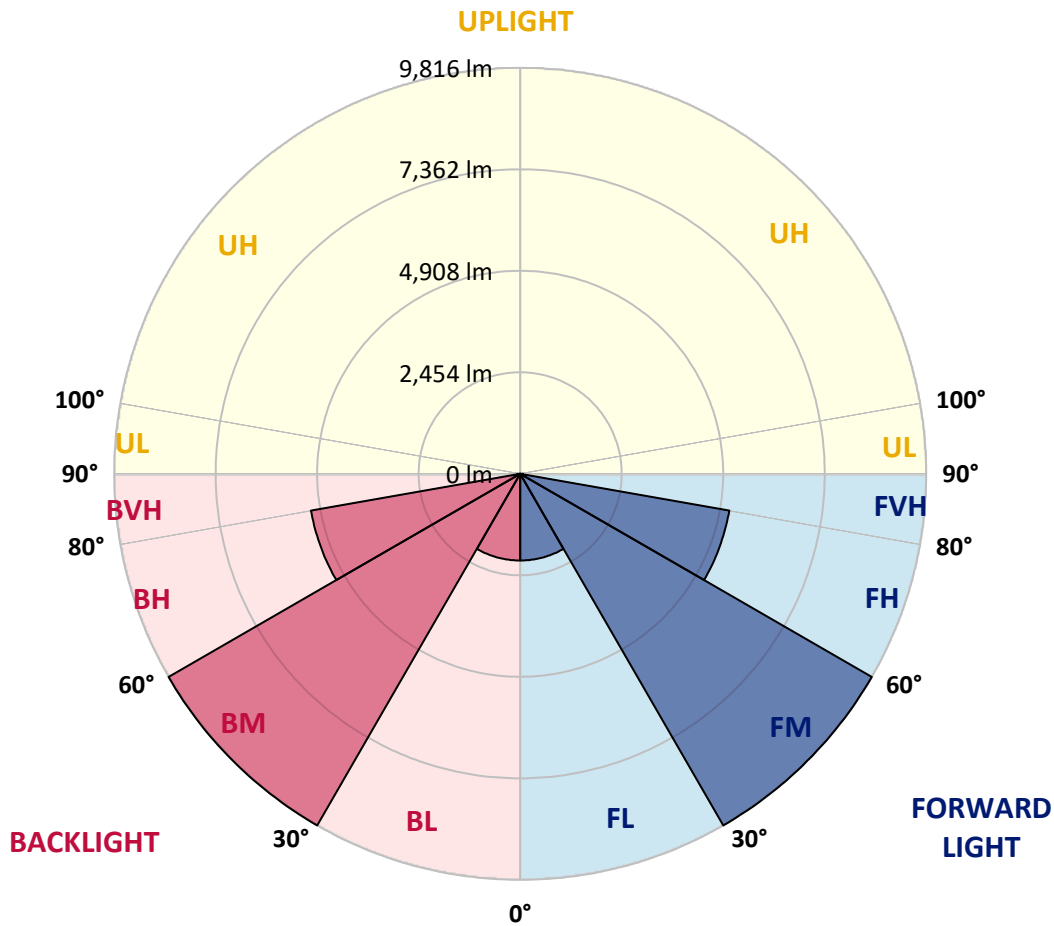
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2095.3	6.1			
FM (30°-60°)	9816.4	28.7			
FH (60°-80°)	5134.6	15.0			G3/7500
FVH (80°-90°)	67.3	0.2			G1/100
BL (0°-30°)	2095.3	6.1	B3/2500		
BM (30°-60°)	9816.4	28.7	B5		
BH (60°-80°)	5134.6	15.0	B5		G3/7500
BVH (80°-90°)	67.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4073.4	4073.4	4073.4	4073.4	4073.4	4073.4	4073.4	4073.4	4073.4	4073.4
2.5°	4100.8	4087.1	4097.4	4088.8	4081.9	4075.1	4078.5	4090.5	4095.7	4097.4
5°	4155.8	4143.8	4148.9	4148.9	4136.9	4133.5	4135.2	4143.8	4154.1	4154.1
7.5°	4245.1	4233.1	4245.1	4238.2	4227.9	4224.5	4222.8	4229.6	4245.1	4245.1
10°	4353.3	4339.5	4346.4	4343.0	4330.9	4325.8	4324.1	4334.4	4348.1	4346.4
12.5°	4471.8	4456.3	4464.9	4454.6	4451.2	4446.0	4446.0	4444.3	4452.9	4446.0
15°	4604.0	4593.7	4597.1	4590.3	4595.4	4592.0	4578.2	4571.4	4574.8	4564.5
17.5°	4760.3	4736.2	4748.2	4744.8	4744.8	4751.7	4729.4	4720.8	4727.6	4717.3
20°	4940.6	4916.5	4921.7	4914.8	4906.2	4913.1	4885.6	4892.5	4897.6	4890.8
22.5°	5138.1	5107.1	5105.4	5108.9	5090.0	5091.7	5072.8	5090.0	5100.3	5081.4
25°	5340.7	5308.1	5330.4	5321.8	5297.8	5302.9	5289.2	5306.4	5314.9	5290.9
27.5°	5555.4	5533.0	5553.6	5558.8	5529.6	5550.2	5529.6	5545.1	5553.6	5517.6
30°	5806.1	5783.8	5802.6	5816.4	5782.0	5814.7	5797.5	5807.8	5809.5	5766.6
32.5°	6079.1	6044.8	6092.9	6099.7	6061.9	6101.4	6079.1	6092.9	6101.4	6043.1
35°	6412.3	6369.3	6424.3	6415.7	6383.1	6415.7	6395.1	6415.7	6436.3	6365.9
37.5°	6771.2	6726.5	6784.9	6769.5	6738.6	6760.9	6748.9	6762.6	6795.2	6719.7
40°	7166.2	7111.2	7190.2	7162.7	7133.5	7130.1	7137.0	7145.5	7188.5	7104.3
42.5°	7588.6	7530.2	7648.7	7605.8	7564.6	7537.1	7559.4	7576.6	7617.8	7523.3
45°	8071.2	8004.2	8158.7	8107.2	8042.0	7985.3	8021.4	8047.1	8107.2	7993.9
47.5°	8603.5	8527.9	8692.8	8677.3	8570.9	8447.2	8529.7	8603.5	8648.2	8510.8
50°	9123.8	9065.4	9281.8	9300.7	9170.2	8996.8	9111.8	9223.4	9235.5	9055.1
52.5°	9611.5	9553.2	9867.4	9985.9	9869.1	9663.1	9785.0	9898.3	9807.3	9573.8
55°	10001.4	9953.3	10353.4	10659.1	10698.6	10528.6	10600.7	10597.2	10298.4	9939.5
57.5°	10095.8	10088.9	10593.8	11241.2	11653.4	11674.0	11531.4	11167.4	10523.4	10040.9
60°	9666.5	9709.4	10403.2	11545.2	12644.2	13101.0	12484.5	11445.6	10267.5	9597.8
62.5°	8382.0	8495.3	9331.6	11174.3	13444.5	14742.7	13248.7	11023.1	9216.6	8342.5
65°	6007.0	6204.5	7128.4	9536.0	13372.4	16185.2	13138.8	9458.7	7197.1	6189.0
67.5°	2725.3	2926.2	3711.0	6529.0	11624.2	15793.7	11596.7	6597.7	3896.5	2936.5
70°	987.4	1021.8	1274.2	2613.7	7428.9	12584.1	7746.6	2632.6	1354.9	1088.7
72.5°	597.6	602.8	656.0	935.9	2581.1	7640.1	2691.0	966.8	669.7	594.2
75°	379.5	376.1	467.1	571.8	915.3	2577.6	960.0	571.8	465.4	424.2
77.5°	273.0	281.6	334.9	427.6	577.0	874.1	566.7	408.7	334.9	274.8
80°	204.4	209.5	243.9	333.1	405.3	544.4	360.6	302.2	252.4	171.7
82.5°	147.7	147.7	159.7	242.1	247.3	293.7	195.8	212.9	166.6	121.9
85°	87.6	85.9	99.6	144.3	128.8	108.2	89.3	130.5	104.8	75.6
87.5°	30.9	32.6	30.9	41.2	34.3	29.2	27.5	36.1	29.2	25.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4073.4
4097.4
4154.1
4239.9
4343.0
4449.4
4566.2
4725.9
4906.2
5100.3
5318.4
5545.1
5792.3
6082.6
6408.8
6766.0
7131.8
7573.1
8052.3
8557.1
9077.5
9580.6
9951.6
10009.9
9518.8
8291.0
6115.2
2893.6
1075.0
604.5
427.6
279.9
176.9
121.9
73.8
24.0
0.0

OF REPORT)