

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: P953273

Luminaire Tested: **GALN-SB6D-850-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953273
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-SB6D-850-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61852 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

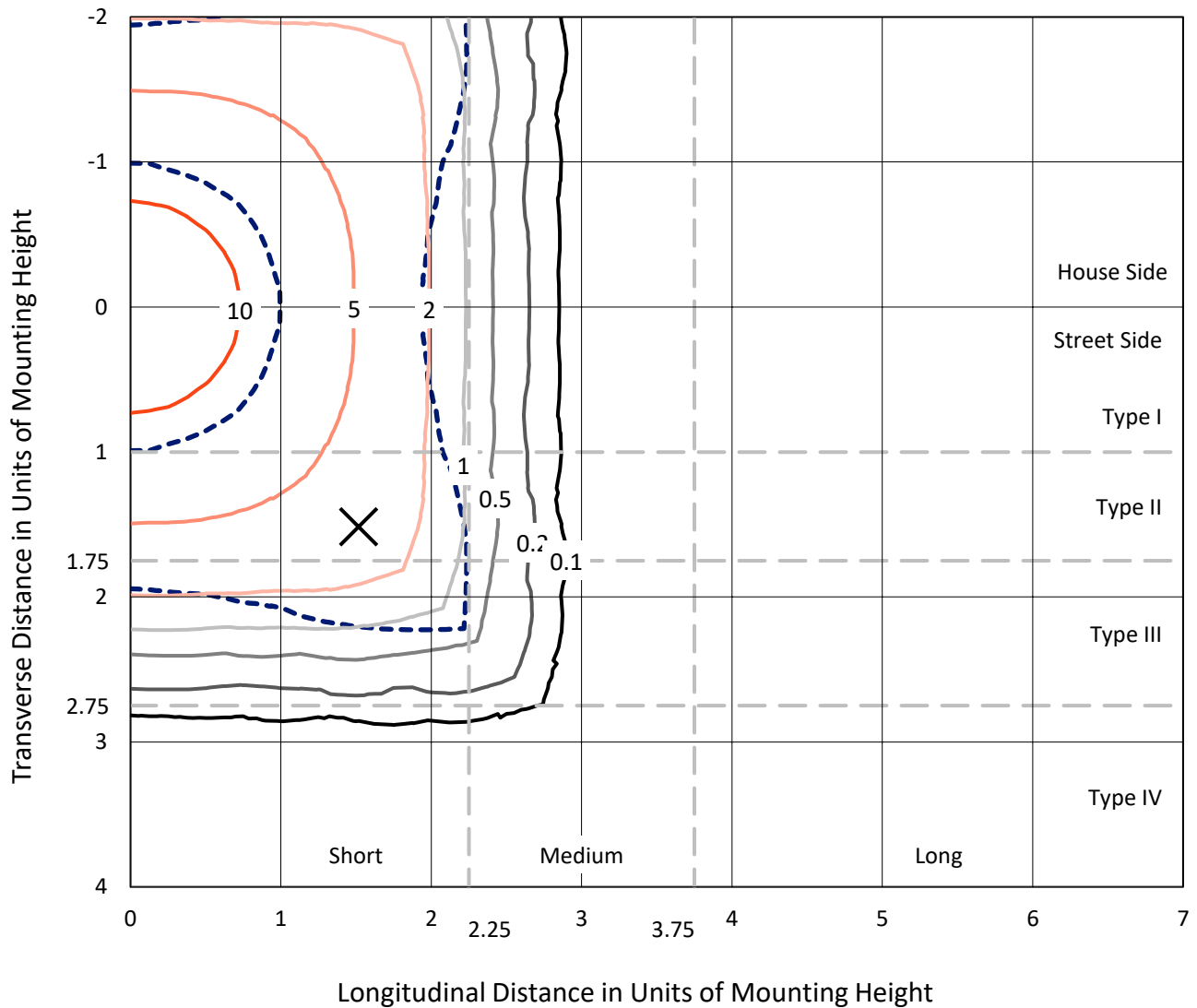
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

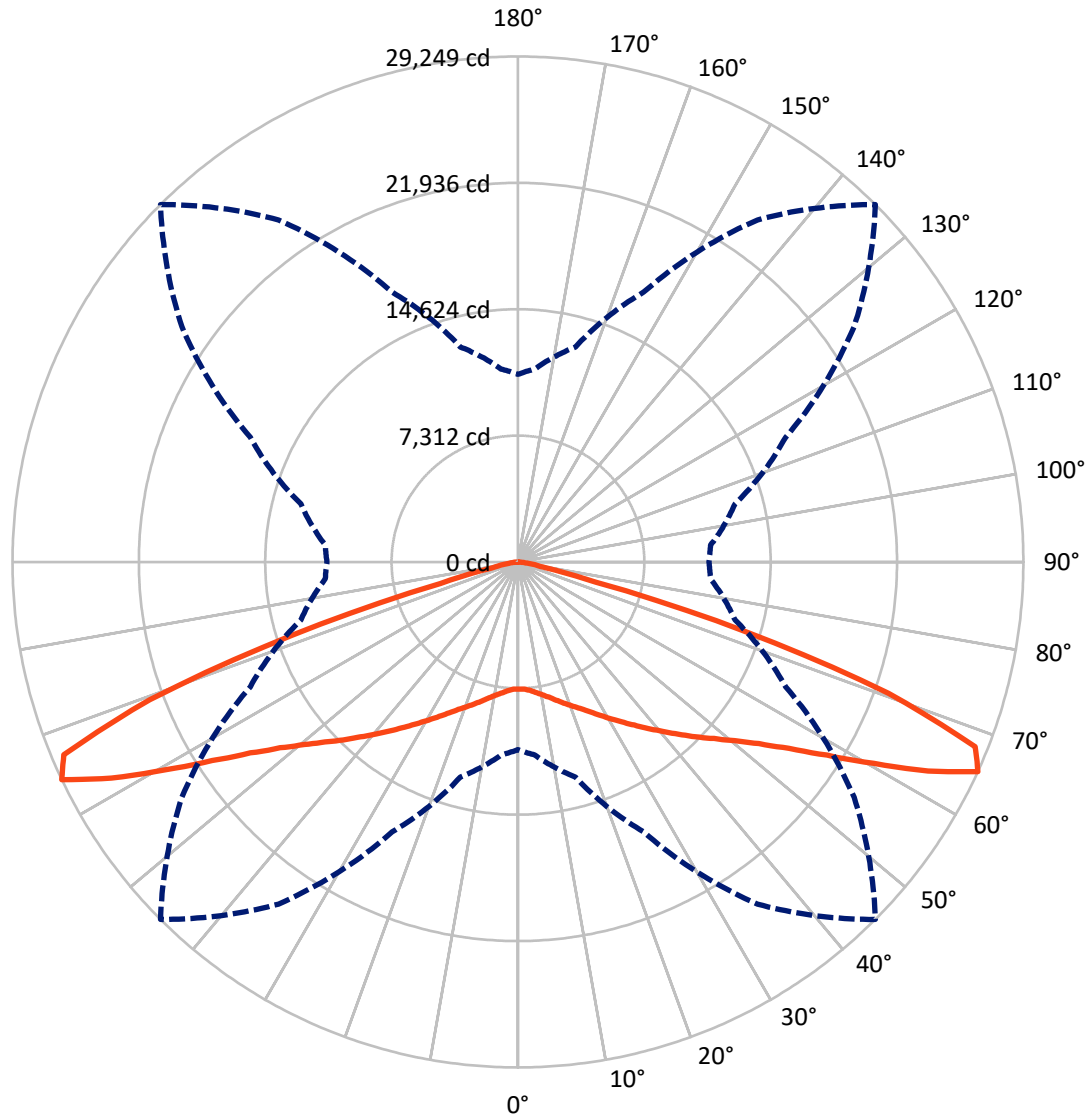
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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	30926.0	0.0	30926.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30926.0	0.0	30926.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	61852.0	0.0	61852.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.5	1.2
10°-20°	2370.5	3.8
20°-30°	4475.8	7.2
30°-40°	7328.9	11.8
40°-50°	11363.5	18.4
50°-60°	16786.3	27.1
60°-70°	15979.0	25.8
70°-80°	2578.4	4.2
80°-90°	243.1	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°	61852.0	100.0
0°-180°	61852.0	100.0

Coefficient of Utilization



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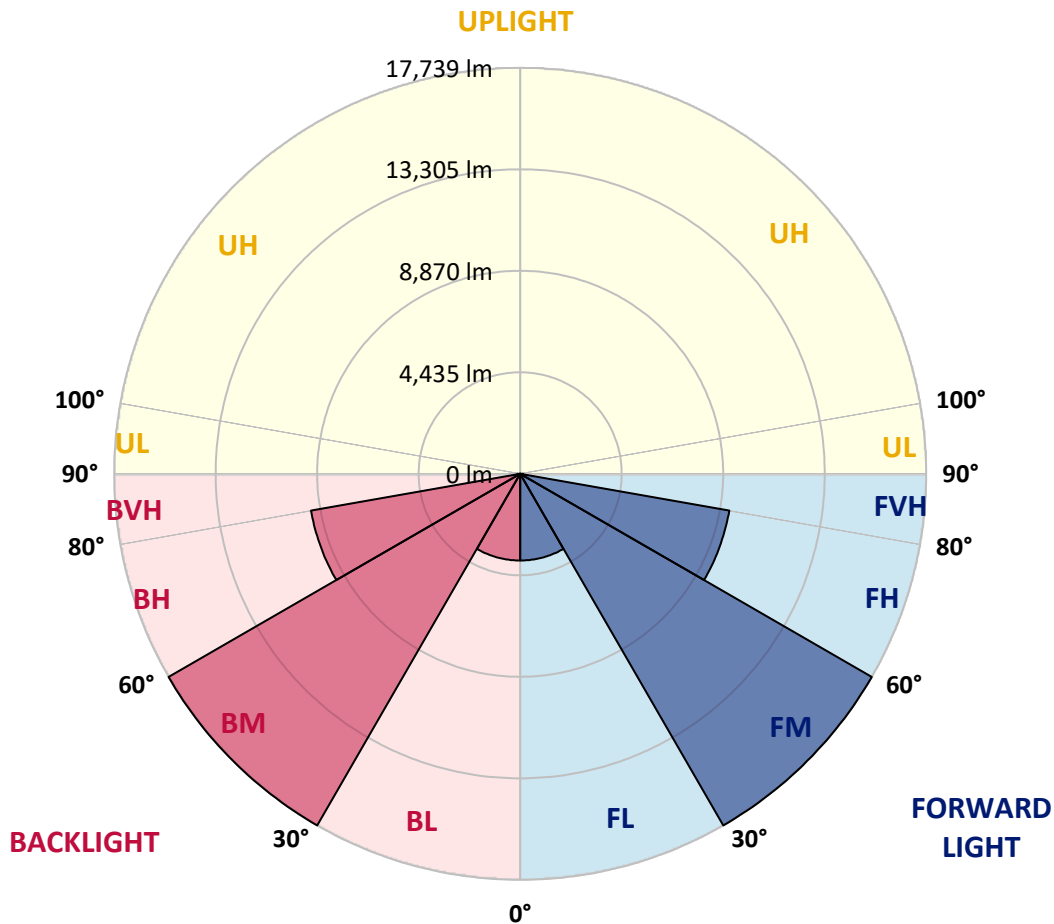
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3786.4	6.1			
FM (30°-60°)	17739.4	28.7			
FH (60°-80°)	9278.7	15.0			G4/12000
FVH (80°-90°)	121.5	0.2			G2/225
BL (0°-30°)	3786.4	6.1	B4/5000		
BM (30°-60°)	17739.4	28.7	B5		
BH (60°-80°)	9278.7	15.0	B5		G4/12000
BVH (80°-90°)	121.5	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7361.0	7361.0	7361.0	7361.0	7361.0	7361.0	7361.0	7361.0	7361.0	7361.0
2.5°	7410.7	7385.8	7404.5	7388.9	7376.5	7364.1	7370.3	7392.0	7401.3	7404.5
5°	7510.0	7488.2	7497.6	7497.6	7475.8	7469.6	7472.7	7488.2	7506.9	7506.9
7.5°	7671.3	7649.6	7671.3	7658.9	7640.3	7634.1	7631.0	7643.4	7671.3	7671.3
10°	7866.8	7842.0	7854.4	7848.2	7826.5	7817.2	7814.1	7832.7	7857.5	7854.4
12.5°	8081.0	8053.0	8068.6	8049.9	8043.7	8034.4	8034.4	8031.3	8046.8	8034.4
15°	8319.9	8301.3	8307.5	8295.1	8304.4	8298.2	8273.4	8261.0	8267.2	8248.5
17.5°	8602.3	8558.9	8580.6	8574.4	8574.4	8586.8	8546.5	8530.9	8543.4	8524.7
20°	8928.2	8884.7	8894.0	8881.6	8866.1	8878.5	8828.9	8841.3	8850.6	8838.2
22.5°	9285.0	9229.2	9226.1	9232.3	9198.2	9201.3	9167.1	9198.2	9216.8	9182.6
25°	9651.2	9592.3	9632.6	9617.1	9573.7	9583.0	9558.1	9589.2	9604.7	9561.2
27.5°	10039.1	9998.8	10036.0	10045.4	9992.6	10029.8	9992.6	10020.5	10036.0	9970.9
30°	10492.2	10451.9	10486.0	10510.8	10448.8	10507.7	10476.7	10495.3	10498.4	10420.9
32.5°	10985.7	10923.6	11010.5	11022.9	10954.6	11026.0	10985.7	11010.5	11026.0	10920.5
35°	11587.7	11510.1	11609.4	11593.9	11534.9	11593.9	11556.7	11593.9	11631.1	11503.9
37.5°	12236.3	12155.6	12261.1	12233.2	12177.3	12217.7	12195.9	12220.8	12279.7	12143.2
40°	12950.0	12850.7	12993.5	12943.8	12891.1	12884.9	12897.3	12912.8	12990.4	12838.3
42.5°	13713.4	13607.9	13822.1	13744.5	13670.0	13620.3	13660.7	13691.7	13766.2	13595.5
45°	14585.5	14464.4	14743.7	14650.6	14532.7	14430.3	14495.5	14542.0	14650.6	14445.8
47.5°	15547.5	15410.9	15708.9	15680.9	15488.5	15265.1	15414.0	15547.5	15628.2	15379.9
50°	16487.8	16382.3	16773.3	16807.4	16571.6	16258.1	16466.1	16667.8	16689.5	16363.7
52.5°	17369.1	17263.6	17831.5	18045.6	17834.6	17462.2	17682.6	17887.4	17722.9	17300.8
55°	18073.6	17986.7	18709.7	19262.1	19333.5	19026.3	19156.6	19150.4	18610.4	17961.8
57.5°	18244.2	18231.8	19144.2	20314.1	21058.9	21096.2	20838.6	20180.7	19017.0	18144.9
60°	17468.4	17546.0	18799.7	20863.4	22849.5	23675.0	22560.9	20683.4	18554.6	17344.3
62.5°	15147.2	15352.0	16863.3	20193.1	24295.7	26641.8	23941.9	19920.0	16655.4	15075.8
65°	10855.3	11212.2	12881.8	17232.6	24165.3	29248.5	23743.3	17092.9	13005.9	11184.3
67.5°	4924.9	5288.0	6706.2	11798.7	21006.2	28541.0	20956.5	11922.8	7041.4	5306.6
70°	1784.4	1846.5	2302.6	4723.2	13424.8	22740.9	13998.9	4757.3	2448.5	1967.5
72.5°	1079.9	1089.3	1185.5	1691.3	4664.2	13806.5	4862.9	1747.2	1210.3	1073.7
75°	685.8	679.6	844.1	1033.4	1654.1	4658.0	1734.7	1033.4	841.0	766.5
77.5°	493.4	508.9	605.1	772.7	1042.7	1579.6	1024.1	738.6	605.1	496.5
80°	369.3	378.6	440.7	602.0	732.4	983.7	651.7	546.2	456.2	310.3
82.5°	266.9	266.9	288.6	437.6	446.9	530.7	353.8	384.8	301.0	220.3
85°	158.3	155.2	180.0	260.7	232.7	195.5	161.4	235.9	189.3	136.5
87.5°	55.9	59.0	55.9	74.5	62.1	52.8	49.7	65.2	52.8	46.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7361.0
7404.5
7506.9
7662.0
7848.2
8040.6
8251.7
8540.3
8866.1
9216.8
9610.9
10020.5
10467.4
10991.9
11581.5
12227.0
12888.0
13685.5
14551.3
15463.7
16404.0
17313.3
17983.6
18089.1
17201.5
14982.7
11050.8
5229.0
1942.7
1092.4
772.7
505.8
319.6
220.3
133.4
43.4
0.0

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