

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: P953209

Luminaire Tested: **GALN-SB6D-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58068 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

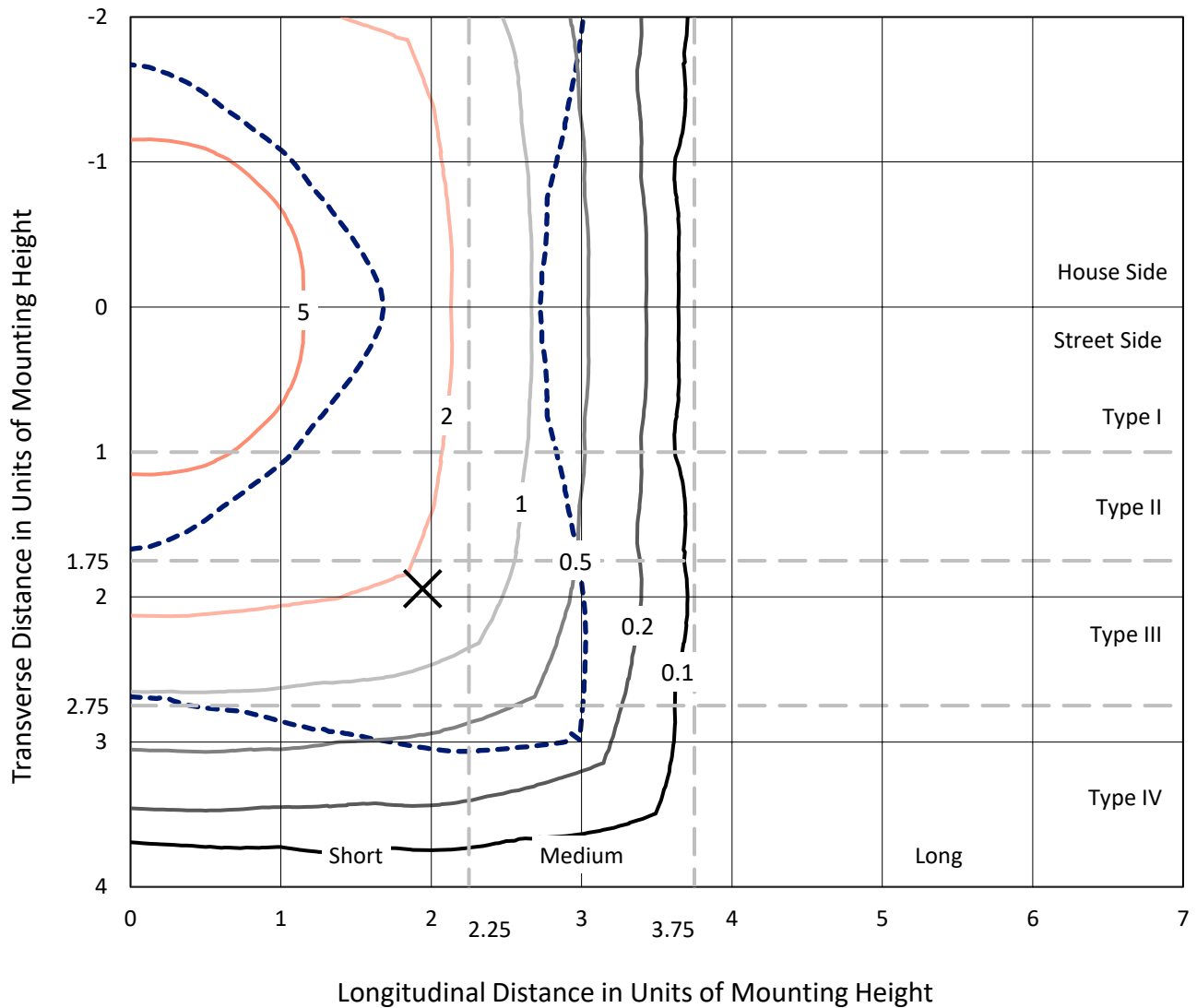
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

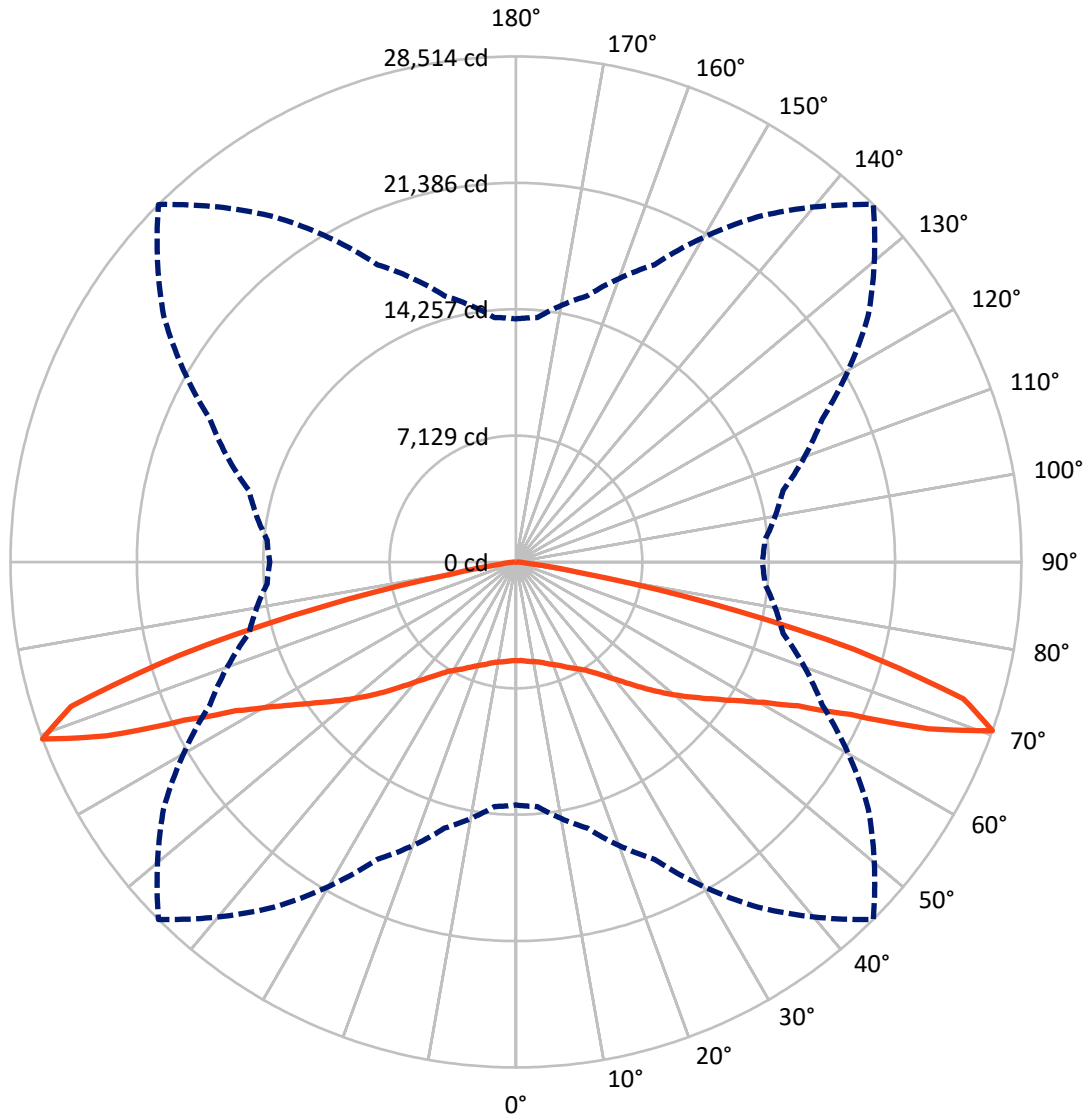
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29034.0	0.0	29034.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29034.0	0.0	29034.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	58068.0	0.0	58068.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.4	0.9
10°-20°	1675.7	2.9
20°-30°	2994.6	5.2
30°-40°	4854.2	8.4
40°-50°	7906.7	13.6
50°-60°	12055.0	20.8
60°-70°	17934.0	30.9
70°-80°	9774.6	16.8
80°-90°	332.9	0.6
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°	58068.0	100.0
0°-180°	58068.0	100.0



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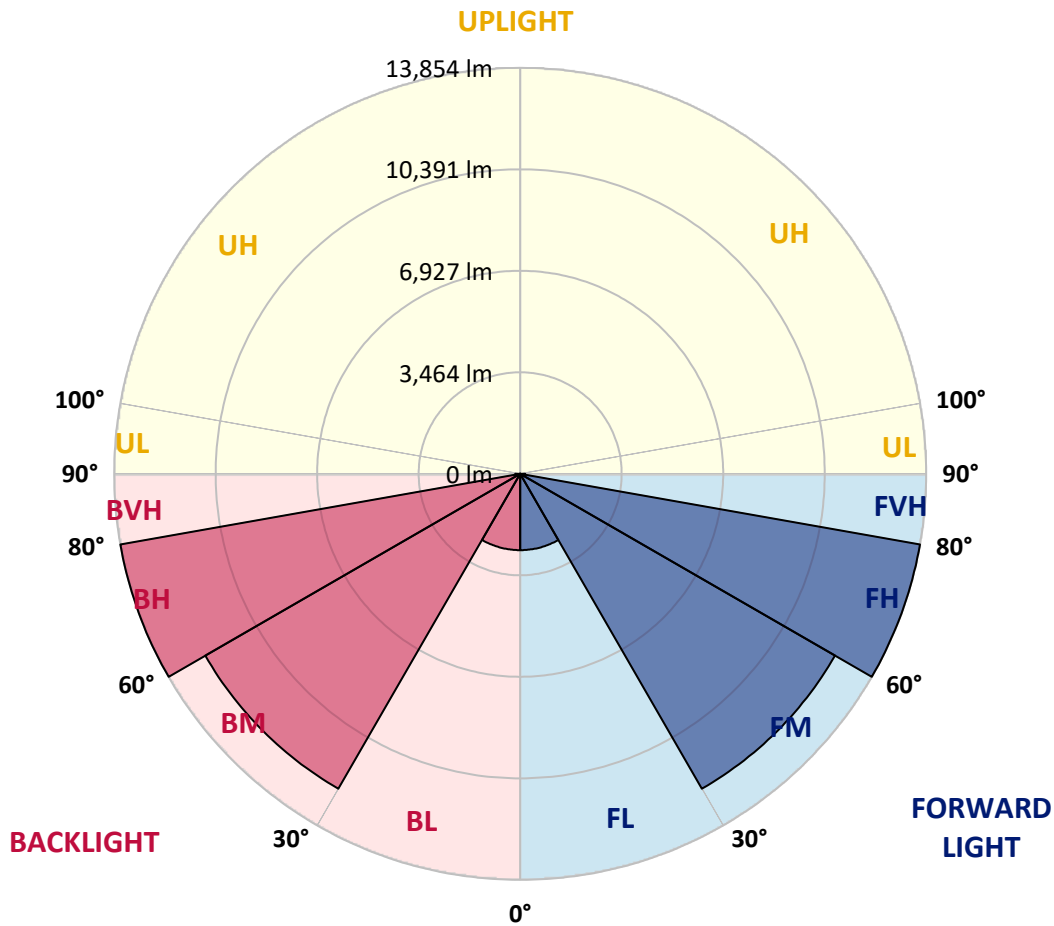
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2605.3	4.5			
FM (30°-60°)	12407.9	21.4			
FH (60°-80°)	13854.3	23.9			G5
FVH (80°-90°)	166.4	0.3			G2/225
BL (0°-30°)	2605.3	4.5	B4/5000		
BM (30°-60°)	12407.9	21.4	B5		
BH (60°-80°)	13854.3	23.9	B5		G5
BVH (80°-90°)	166.4	0.3			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5562.3	5562.3	5562.3	5562.3	5562.3	5562.3	5562.3	5562.3	5562.3	5562.3
2.5°	5588.6	5594.4	5582.7	5576.9	5571.1	5562.3	5565.2	5579.8	5591.5	5588.6
5°	5635.2	5641.0	5632.3	5629.4	5617.7	5614.8	5614.8	5629.4	5638.1	5632.3
7.5°	5687.7	5696.4	5681.8	5678.9	5673.1	5667.3	5664.3	5678.9	5687.7	5687.7
10°	5737.2	5746.0	5734.3	5725.6	5719.7	5719.7	5713.9	5725.6	5740.1	5737.2
12.5°	5789.7	5795.5	5783.9	5778.0	5778.0	5786.8	5778.0	5783.9	5795.5	5789.7
15°	5853.8	5856.8	5853.8	5862.6	5877.2	5906.3	5880.1	5874.2	5880.1	5865.5
17.5°	5941.3	5947.1	5958.8	5979.2	5999.6	6052.1	6005.4	5990.9	5990.9	5961.7
20°	6049.2	6057.9	6075.4	6110.4	6136.6	6186.2	6139.5	6119.1	6110.4	6072.5
22.5°	6162.9	6177.4	6203.7	6250.3	6297.0	6343.6	6297.0	6262.0	6235.7	6186.2
25°	6294.0	6311.5	6352.3	6428.1	6492.3	6559.3	6503.9	6434.0	6381.5	6311.5
27.5°	6480.6	6501.0	6550.6	6643.9	6725.5	6783.8	6731.3	6641.0	6568.1	6483.5
30°	6743.0	6763.4	6821.7	6920.8	6976.2	7014.1	6979.1	6909.2	6821.7	6725.5
32.5°	7081.2	7107.4	7171.5	7264.8	7276.5	7282.3	7270.7	7235.7	7171.5	7054.9
35°	7509.7	7538.9	7611.7	7687.5	7675.9	7687.5	7670.0	7658.4	7611.7	7477.6
37.5°	8034.5	8069.4	8145.2	8203.5	8174.4	8159.8	8162.7	8165.6	8139.4	7990.7
40°	8643.7	8690.4	8745.8	8807.0	8757.4	8713.7	8742.9	8766.2	8742.9	8591.3
42.5°	9270.5	9337.6	9395.9	9483.3	9442.5	9387.1	9427.9	9454.2	9404.6	9241.4
45°	9967.3	10031.4	10107.2	10238.4	10209.2	10150.9	10209.2	10215.1	10130.5	9938.1
47.5°	10687.3	10754.4	10868.1	11043.0	11031.3	10967.2	11043.0	11002.2	10894.3	10664.0
50°	11369.5	11462.8	11637.7	11882.6	11905.9	11827.2	11929.2	11850.5	11669.8	11381.2
52.5°	12010.9	12110.0	12386.9	12719.3	12803.8	12701.8	12838.8	12701.8	12430.7	12060.4
55°	12684.3	12795.1	13124.5	13558.9	13728.0	13652.2	13780.4	13573.4	13188.6	12739.7
57.5°	13477.2	13544.3	13937.9	14453.9	14739.5	14757.0	14815.3	14465.5	13999.1	13488.9
60°	14337.2	14430.5	14859.1	15477.1	15929.0	16074.7	16013.5	15494.6	14952.4	14366.4
62.5°	15439.2	15541.2	16054.3	16794.8	17509.0	17870.5	17631.5	16879.3	16208.8	15506.3
65°	16351.7	16465.4	17392.4	18713.0	20013.3	20739.1	20138.6	18753.9	17546.9	16555.8
67.5°	15689.9	15829.9	17284.6	19710.1	22943.1	25109.1	23053.9	20007.4	17643.1	16299.2
70°	13713.4	13844.6	15541.2	18506.1	23768.1	28514.1	24263.7	19051.2	15596.6	14092.4
72.5°	9104.4	9527.1	11244.2	14800.8	21223.1	26386.0	21433.0	14500.5	10430.8	9083.9
75°	3020.2	3358.4	4530.3	7673.0	14214.8	19733.4	13532.6	6789.6	3588.7	2582.9
77.5°	760.9	877.5	1209.8	2195.2	5670.2	11235.4	5104.6	1792.9	976.6	682.2
80°	370.2	408.1	583.1	731.7	1419.7	3571.2	1332.3	688.0	460.6	355.7
82.5°	204.1	207.0	329.4	414.0	527.7	924.1	548.1	402.3	265.3	215.7
85°	125.4	122.4	174.9	221.6	221.6	329.4	262.4	221.6	151.6	134.1
87.5°	49.6	49.6	64.1	70.0	61.2	84.5	67.1	72.9	58.3	55.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5562.3
5591.5
5635.2
5687.7
5737.2
5786.8
5865.5
5961.7
6072.5
6183.3
6308.6
6480.6
6725.5
7057.8
7477.6
7990.7
8591.3
9253.0
9958.5
10649.4
11375.3
12025.4
12678.5
13418.9
14273.1
15383.8
16392.5
16098.1
13891.2
8789.5
2443.0
609.3
326.5
215.7
139.9
58.3
0.0

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