

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: P956780

Luminaire Tested: **GALN-SB9B-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956780
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-SB9B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48293 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

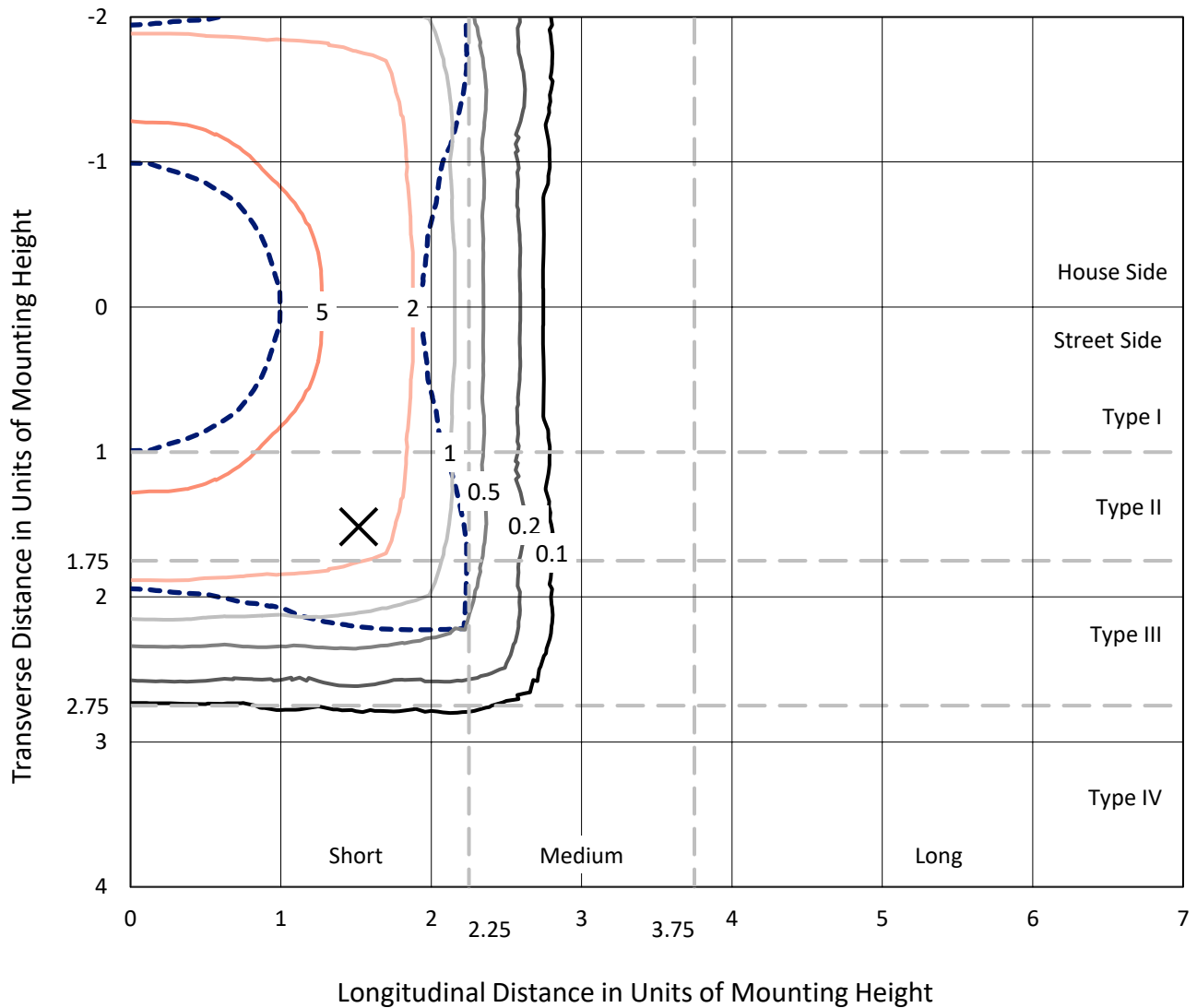
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

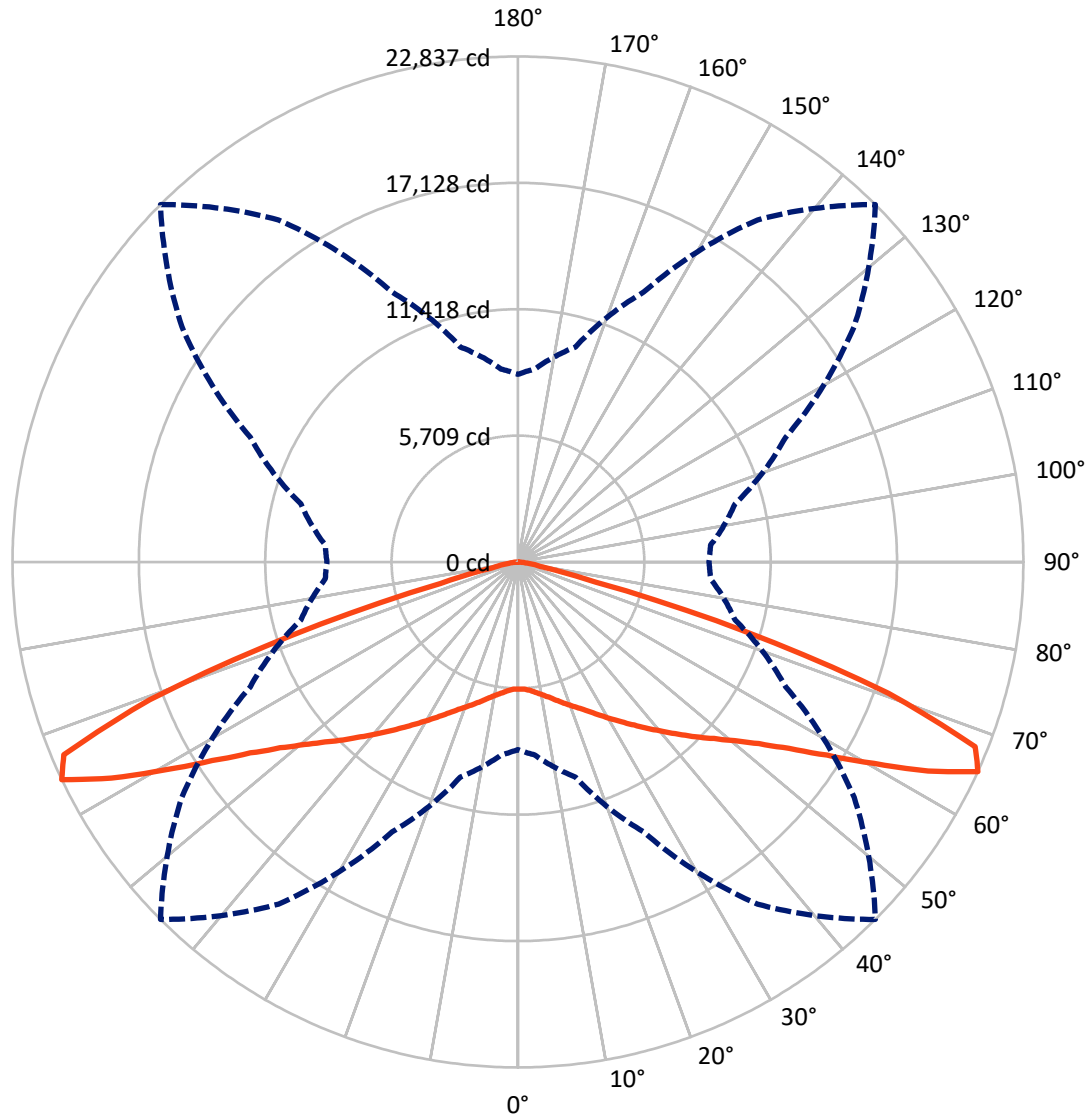
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	24146.5	0.0	24146.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24146.5	0.0	24146.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48293.0	0.0	48293.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.2	1.2
10°-20°	1850.8	3.8
20°-30°	3494.6	7.2
30°-40°	5722.3	11.8
40°-50°	8872.5	18.4
50°-60°	13106.5	27.1
60°-70°	12476.2	25.8
70°-80°	2013.2	4.2
80°-90°	189.8	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°	48293.0	100.0
0°-180°	48293.0	100.0



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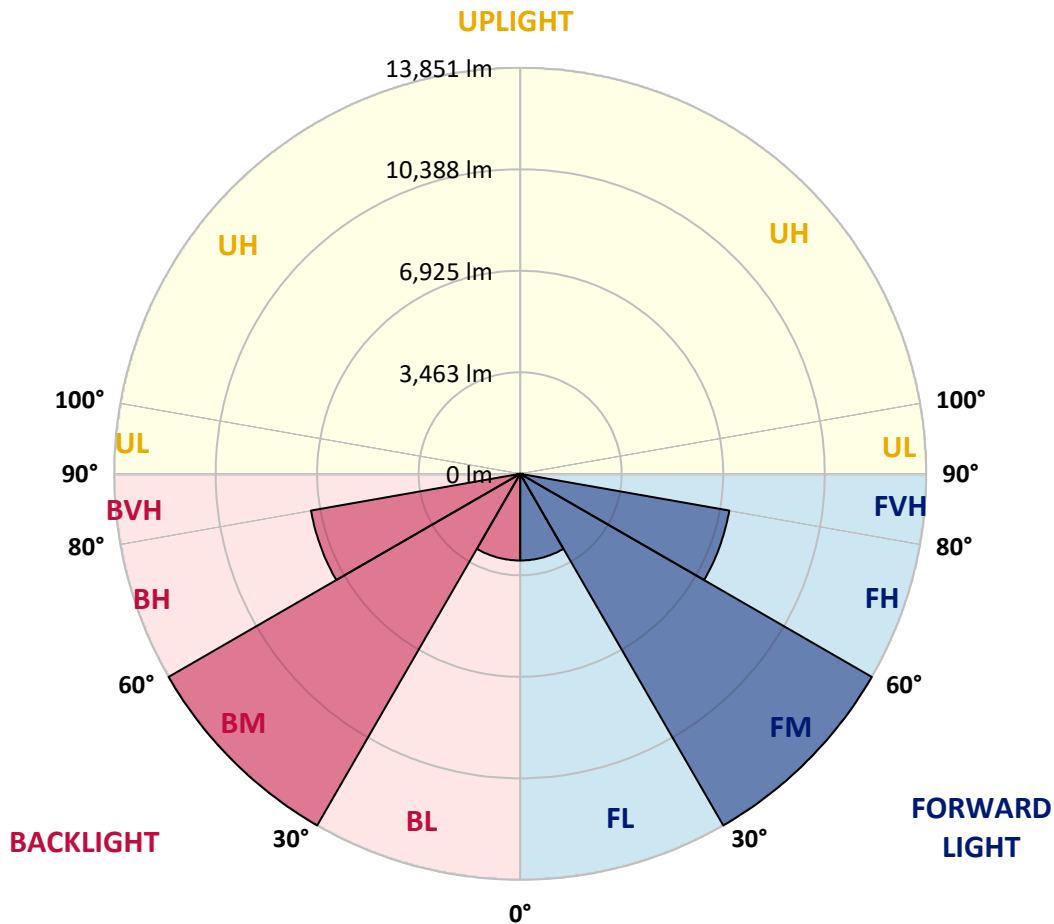
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2956.3	6.1			
FM (30°-60°)	13850.6	28.7			
FH (60°-80°)	7244.7	15.0			G3/7500
FVH (80°-90°)	94.9	0.2			G1/100
BL (0°-30°)	2956.3	6.1	B4/5000		
BM (30°-60°)	13850.6	28.7	B5		
BH (60°-80°)	7244.7	15.0	B5		G3/7500
BVH (80°-90°)	94.9	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°	5747.3	5747.3	5747.3	5747.3	5747.3	5747.3	5747.3	5747.3	5747.3	5747.3
2.5°	5786.1	5766.7	5781.3	5769.2	5759.5	5749.8	5754.6	5771.6	5778.8	5781.3
5°	5863.7	5846.7	5854.0	5854.0	5837.0	5832.2	5834.6	5846.7	5861.2	5861.2
7.5°	5989.6	5972.7	5989.6	5980.0	5965.4	5960.6	5958.2	5967.8	5989.6	5989.6
10°	6142.3	6122.9	6132.6	6127.8	6110.8	6103.5	6101.1	6115.6	6135.0	6132.6
12.5°	6309.5	6287.7	6299.8	6285.3	6280.4	6273.1	6273.1	6270.7	6282.8	6273.1
15°	6496.1	6481.5	6486.4	6476.7	6483.9	6479.1	6459.7	6450.0	6454.9	6440.3
17.5°	6716.5	6682.6	6699.6	6694.7	6694.7	6704.4	6672.9	6660.8	6670.5	6656.0
20°	6971.0	6937.0	6944.3	6934.6	6922.5	6932.2	6893.4	6903.1	6910.4	6900.7
22.5°	7249.6	7206.0	7203.6	7208.4	7181.8	7184.2	7157.5	7181.8	7196.3	7169.6
25°	7535.5	7489.5	7521.0	7508.9	7474.9	7482.2	7462.8	7487.1	7499.2	7465.3
27.5°	7838.4	7806.9	7836.0	7843.2	7802.1	7831.1	7802.1	7823.9	7836.0	7785.1
30°	8192.2	8160.7	8187.3	8206.7	8158.2	8204.3	8180.0	8194.6	8197.0	8136.4
32.5°	8577.4	8529.0	8596.8	8606.5	8553.2	8608.9	8577.4	8596.8	8608.9	8526.5
35°	9047.5	8986.9	9064.4	9052.3	9006.3	9052.3	9023.2	9052.3	9081.4	8982.1
37.5°	9553.9	9490.9	9573.3	9551.5	9507.8	9539.3	9522.4	9541.8	9587.8	9481.2
40°	10111.2	10033.6	10145.1	10106.3	10065.1	10060.3	10070.0	10082.1	10142.7	10023.9
42.5°	10707.2	10624.8	10792.0	10731.5	10673.3	10634.5	10666.0	10690.3	10748.4	10615.2
45°	11388.1	11293.6	11511.7	11439.0	11346.9	11266.9	11317.8	11354.2	11439.0	11279.1
47.5°	12139.2	12032.6	12265.2	12243.4	12093.2	11918.7	12035.0	12139.2	12202.2	12008.4
50°	12873.4	12791.0	13096.3	13123.0	12938.8	12694.1	12856.4	13013.9	13030.9	12776.5
52.5°	13561.5	13479.1	13922.5	14089.7	13925.0	13634.2	13806.2	13966.2	13837.7	13508.2
55°	14111.5	14043.7	14608.3	15039.5	15095.3	14855.4	14957.2	14952.3	14530.7	14024.3
57.5°	14244.8	14235.1	14947.5	15860.9	16442.5	16471.5	16270.4	15756.8	14848.1	14167.3
60°	13639.1	13699.6	14678.5	16289.8	17840.5	18485.0	17615.2	16149.3	14487.1	13542.1
62.5°	11826.7	11986.6	13166.6	15766.4	18969.6	20801.4	18693.4	15553.2	13004.2	11770.9
65°	8475.6	8754.3	10057.9	13454.9	18867.9	22836.8	18538.4	13345.9	10154.8	8732.5
67.5°	3845.3	4128.8	5236.1	9212.2	16401.3	22284.3	16362.5	9309.2	5497.8	4143.3
70°	1393.2	1441.7	1797.9	3687.8	10481.9	17755.7	10930.1	3714.5	1911.7	1536.2
72.5°	843.2	850.5	925.6	1320.5	3641.8	10779.9	3796.8	1364.1	945.0	838.4
75°	535.5	530.6	659.1	806.9	1291.5	3636.9	1354.5	806.9	656.6	598.5
77.5°	385.3	397.4	472.5	603.3	814.1	1233.3	799.6	576.7	472.5	387.7
80°	288.3	295.6	344.1	470.1	571.8	768.1	508.8	426.4	356.2	242.3
82.5°	208.4	208.4	225.3	341.6	348.9	414.3	276.2	300.5	235.0	172.0
85°	123.6	121.1	140.5	203.5	181.7	152.6	126.0	184.1	147.8	106.6
87.5°	43.6	46.0	43.6	58.2	48.5	41.2	38.8	50.9	41.2	36.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5747.3
5781.3
5861.2
5982.4
6127.8
6278.0
6442.8
6668.1
6922.5
7196.3
7504.0
7823.9
8172.8
8582.3
9042.6
9546.6
10062.7
10685.4
11361.4
12073.8
12808.0
13517.9
14041.3
14123.7
13430.7
11698.2
8628.3
4082.8
1516.8
852.9
603.3
394.9
249.6
172.0
104.2
33.9
0.0

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