

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: P956234

Luminaire Tested: **GALN-SB8D-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956234
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-SB8D-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 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: 59983 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

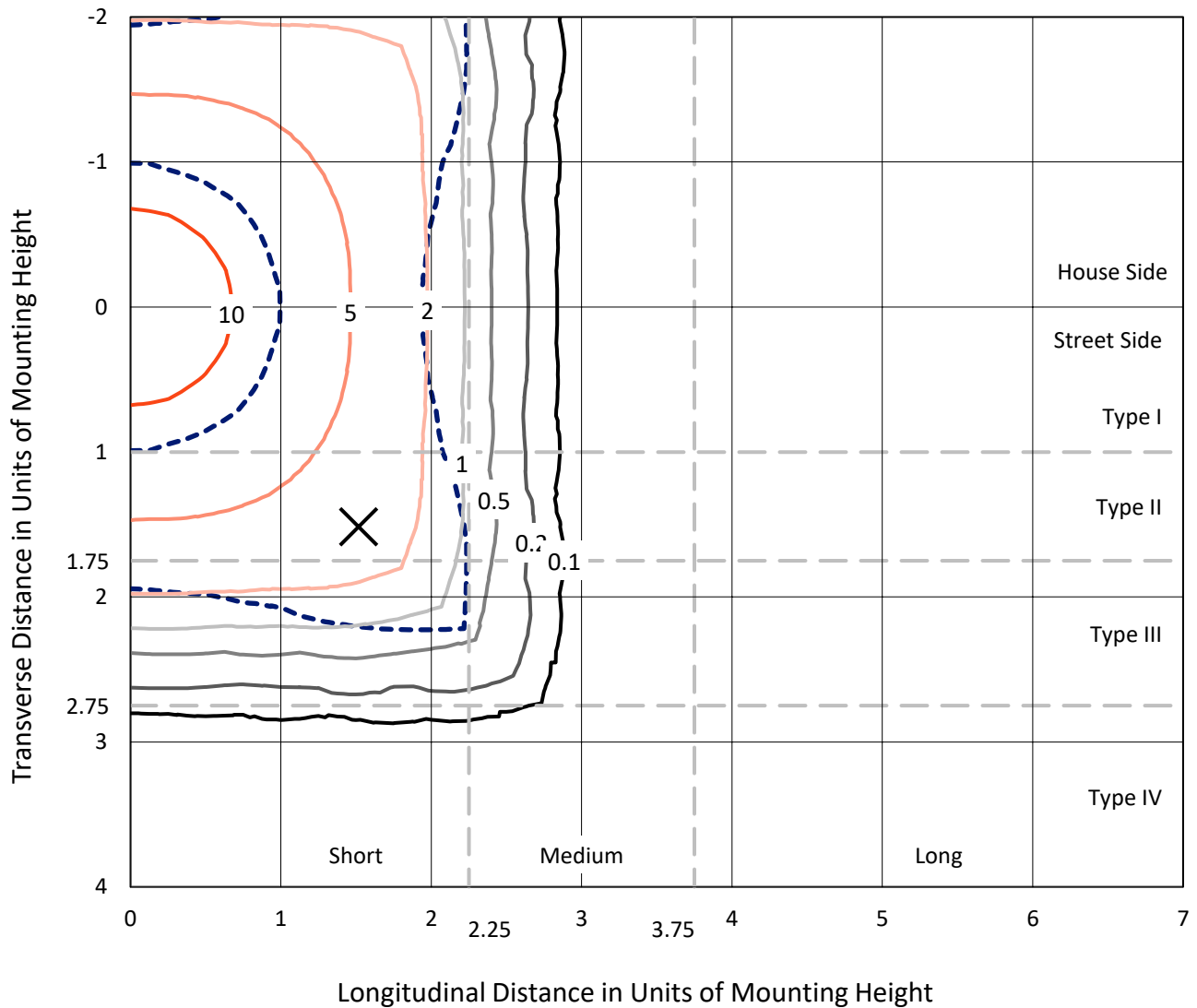
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

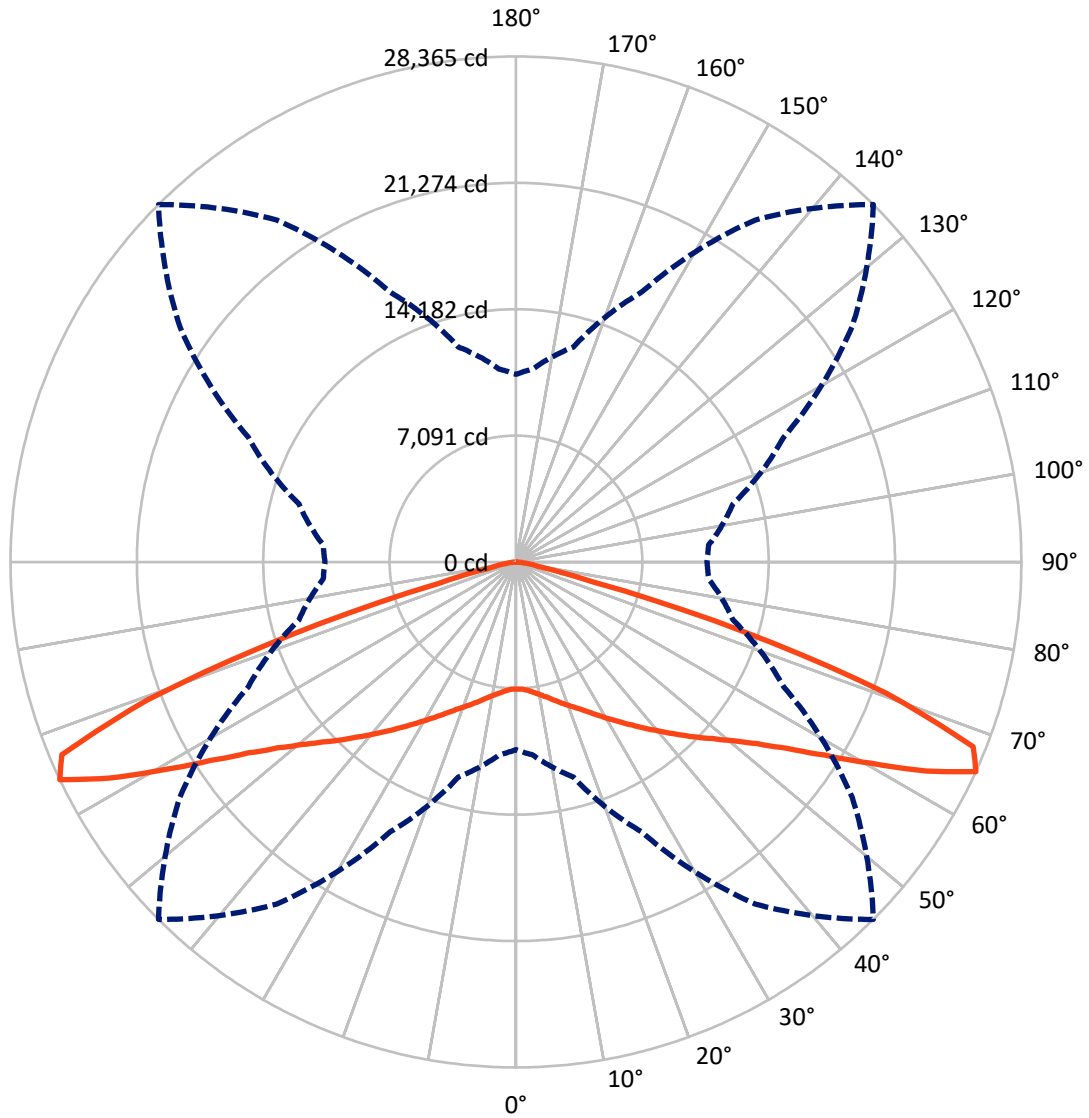
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	29991.5	0.0	29991.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29991.5	0.0	29991.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59983.0	0.0	59983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.5	1.2
10°-20°	2298.9	3.8
20°-30°	4340.5	7.2
30°-40°	7107.4	11.8
40°-50°	11020.2	18.4
50°-60°	16279.1	27.1
60°-70°	15496.2	25.8
70°-80°	2500.5	4.2
80°-90°	235.7	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°	59983.0	100.0
0°-180°	59983.0	100.0

Coefficient of Utilization



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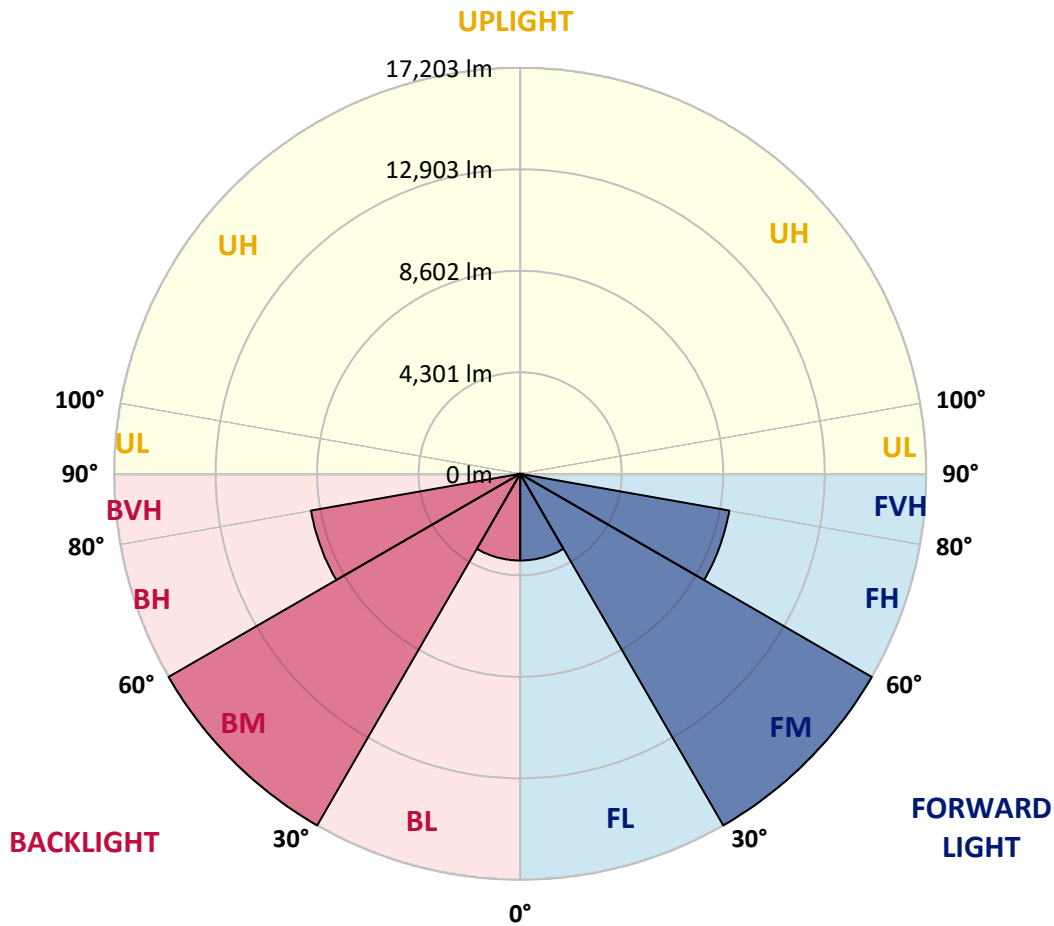
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3671.9	6.1			
FM (30°-60°)	17203.4	28.7			
FH (60°-80°)	8998.4	15.0			G4/12000
FVH (80°-90°)	117.9	0.2			G2/225
BL (0°-30°)	3671.9	6.1	B4/5000		
BM (30°-60°)	17203.4	28.7	B5		
BH (60°-80°)	8998.4	15.0	B5		G4/12000
BVH (80°-90°)	117.9	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°	7138.6	7138.6	7138.6	7138.6	7138.6	7138.6	7138.6	7138.6	7138.6	7138.6
2.5°	7186.7	7162.7	7180.7	7165.7	7153.6	7141.6	7147.6	7168.7	7177.7	7180.7
5°	7283.0	7262.0	7271.0	7271.0	7249.9	7243.9	7246.9	7262.0	7280.0	7280.0
7.5°	7439.5	7418.5	7439.5	7427.5	7409.4	7403.4	7400.4	7412.4	7439.5	7439.5
10°	7629.1	7605.1	7617.1	7611.1	7590.0	7581.0	7578.0	7596.0	7620.1	7617.1
12.5°	7836.8	7809.7	7824.7	7806.7	7800.7	7791.6	7791.6	7788.6	7803.7	7791.6
15°	8068.5	8050.5	8056.5	8044.4	8053.5	8047.5	8023.4	8011.3	8017.4	7999.3
17.5°	8342.4	8300.3	8321.3	8315.3	8315.3	8327.3	8288.2	8273.2	8285.2	8267.1
20°	8658.4	8616.3	8625.3	8613.2	8598.2	8610.2	8562.1	8574.1	8583.1	8571.1
22.5°	9004.5	8950.3	8947.3	8953.3	8920.2	8923.2	8890.1	8920.2	8938.3	8905.2
25°	9359.6	9302.4	9341.5	9326.5	9284.4	9293.4	9269.3	9299.4	9314.5	9272.3
27.5°	9735.8	9696.7	9732.8	9741.8	9690.6	9726.8	9690.6	9717.7	9732.8	9669.6
30°	10175.2	10136.1	10169.2	10193.2	10133.0	10190.2	10160.1	10178.2	10181.2	10106.0
32.5°	10653.7	10593.5	10677.8	10689.8	10623.6	10692.8	10653.7	10677.8	10692.8	10590.5
35°	11237.5	11162.3	11258.6	11243.6	11186.4	11243.6	11207.4	11243.6	11279.7	11156.3
37.5°	11866.5	11788.3	11890.6	11863.5	11809.3	11848.5	11827.4	11851.5	11908.7	11776.2
40°	12558.7	12462.4	12600.9	12552.7	12501.5	12495.5	12507.6	12522.6	12597.8	12450.4
42.5°	13299.1	13196.7	13404.4	13329.2	13256.9	13208.8	13247.9	13278.0	13350.2	13184.7
45°	14144.7	14027.4	14298.2	14207.9	14093.6	13994.3	14057.5	14102.6	14207.9	14009.3
47.5°	15077.7	14945.3	15234.2	15207.1	15020.5	14803.8	14948.3	15077.7	15155.9	14915.2
50°	15989.6	15887.2	16266.4	16299.5	16070.8	15766.9	15968.5	16164.1	16185.2	15869.2
52.5°	16844.3	16741.9	17292.7	17500.3	17295.7	16934.6	17148.2	17346.9	17187.4	16778.1
55°	17527.4	17443.2	18144.4	18680.1	18749.3	18451.4	18577.8	18571.7	18048.1	17419.1
57.5°	17693.0	17680.9	18565.7	19700.3	20422.6	20458.7	20208.9	19570.9	18442.3	17596.7
60°	16940.6	17015.8	18231.7	20233.0	22159.1	22959.6	21879.2	20058.4	17993.9	16820.2
62.5°	14689.5	14888.1	16353.7	19582.9	23561.5	25836.7	23218.4	19318.1	16152.1	14620.2
65°	10527.3	10873.4	12492.5	16711.9	23435.1	28364.7	23025.8	16576.4	12612.9	10846.3
67.5°	4776.1	5128.2	6503.6	11442.2	20371.4	27678.5	20323.3	11562.6	6828.6	5146.3
70°	1730.5	1790.7	2233.1	4580.5	13019.2	22053.7	13575.9	4613.6	2374.5	1908.0
72.5°	1047.3	1056.3	1149.6	1640.2	4523.3	13389.3	4715.9	1694.4	1173.7	1041.3
75°	665.1	659.1	818.6	1002.2	1604.1	4517.3	1682.3	1002.2	815.6	743.4
77.5°	478.5	493.6	586.9	749.4	1011.2	1531.8	993.1	716.3	586.9	481.5
80°	358.1	367.2	427.4	583.8	710.2	954.0	632.0	529.7	442.4	301.0
82.5°	258.8	258.8	279.9	424.3	433.4	514.6	343.1	373.2	291.9	213.7
85°	153.5	150.5	174.6	252.8	225.7	189.6	156.5	228.7	183.6	132.4
87.5°	54.2	57.2	54.2	72.2	60.2	51.2	48.2	63.2	51.2	45.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7138.6
7180.7
7280.0
7430.5
7611.1
7797.7
8002.3
8282.2
8598.2
8938.3
9320.5
9717.7
10151.1
10659.7
11231.5
11857.5
12498.5
13272.0
14111.6
14996.4
15908.3
16790.1
17440.2
17542.5
16681.8
14530.0
10716.9
5071.0
1884.0
1059.4
749.4
490.6
310.0
213.7
129.4
42.1
0.0

OF REPORT)