

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: P947627

Luminaire Tested: **GALN-SB2D-935-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2D-935-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14578 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

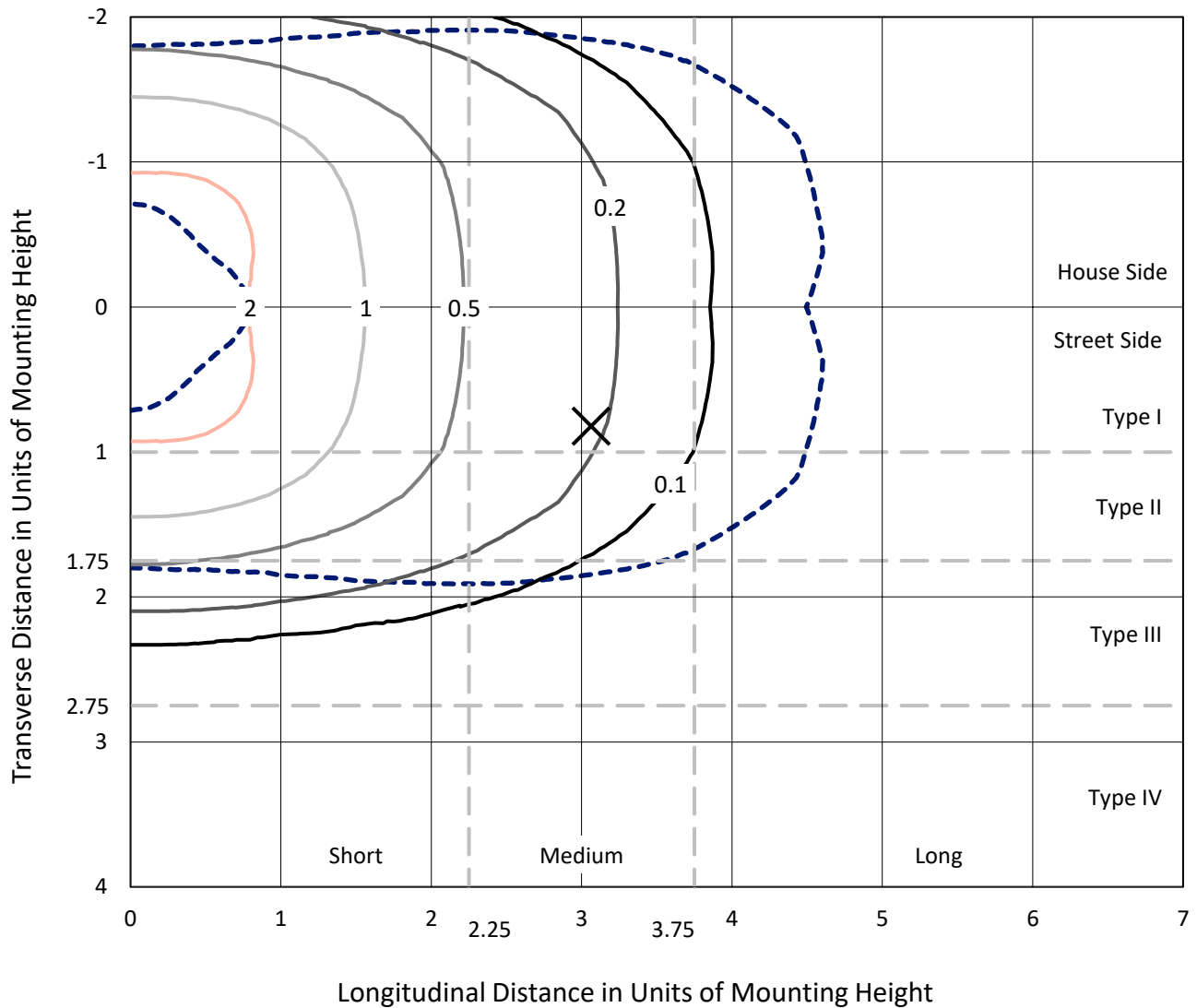
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947627
 CATALOG NUMBER: GALN-SB2D-935-U-RW

Iso-Footcandle Lines of Horizontal Illumination

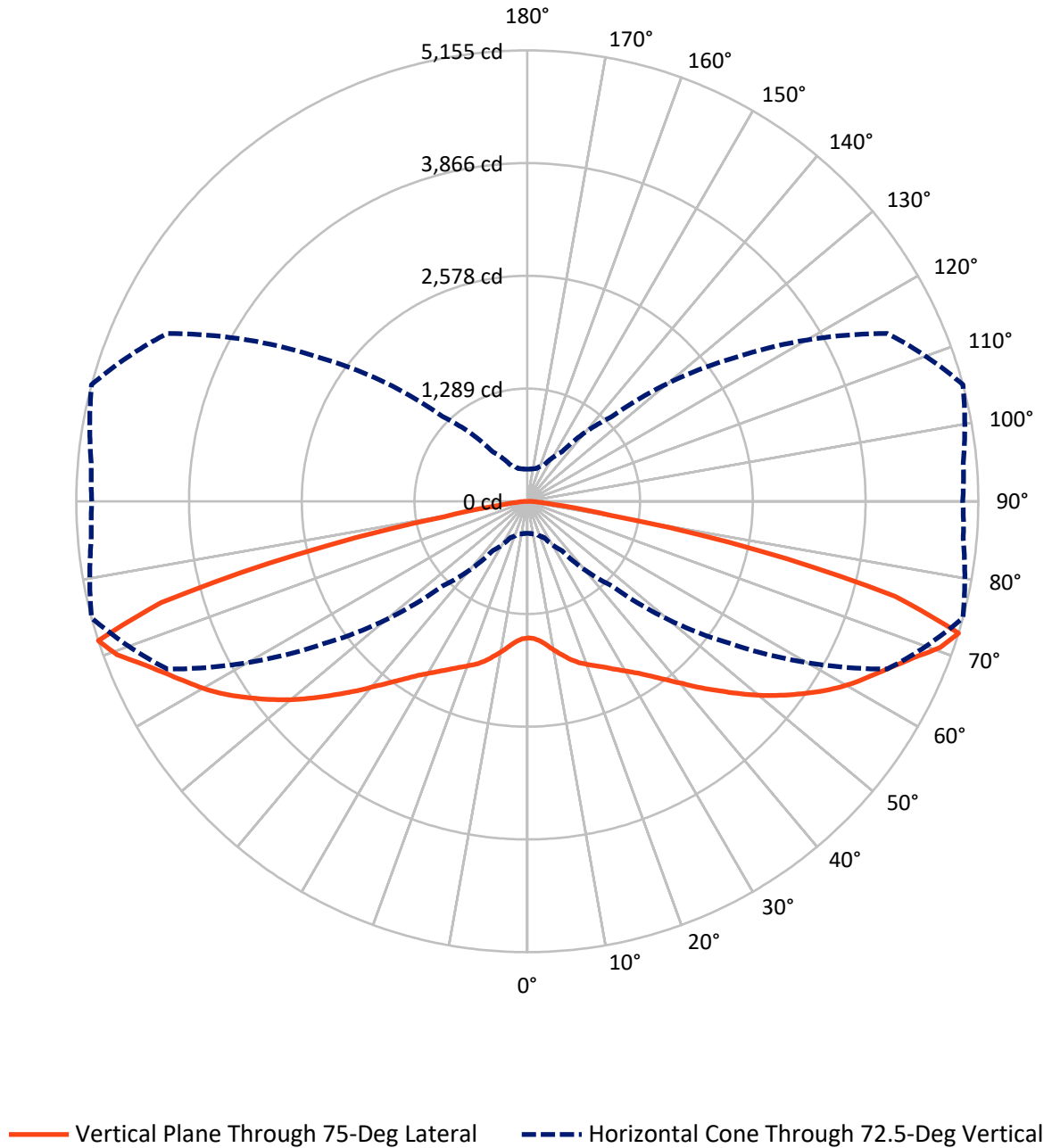
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P947627
CATALOG NUMBER: GALN-SB2D-935-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7289.0	0.0	7289.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7289.0	0.0	7289.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14578.0	0.0	14578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.0	1.0
10°-20°	504.5	3.5
20°-30°	974.9	6.7
30°-40°	1646.1	11.3
40°-50°	2610.6	17.9
50°-60°	3495.3	24.0
60°-70°	3326.4	22.8
70°-80°	1735.8	11.9
80°-90°	131.4	0.9
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°	14578.0	100.0
0°-180°	14578.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947627

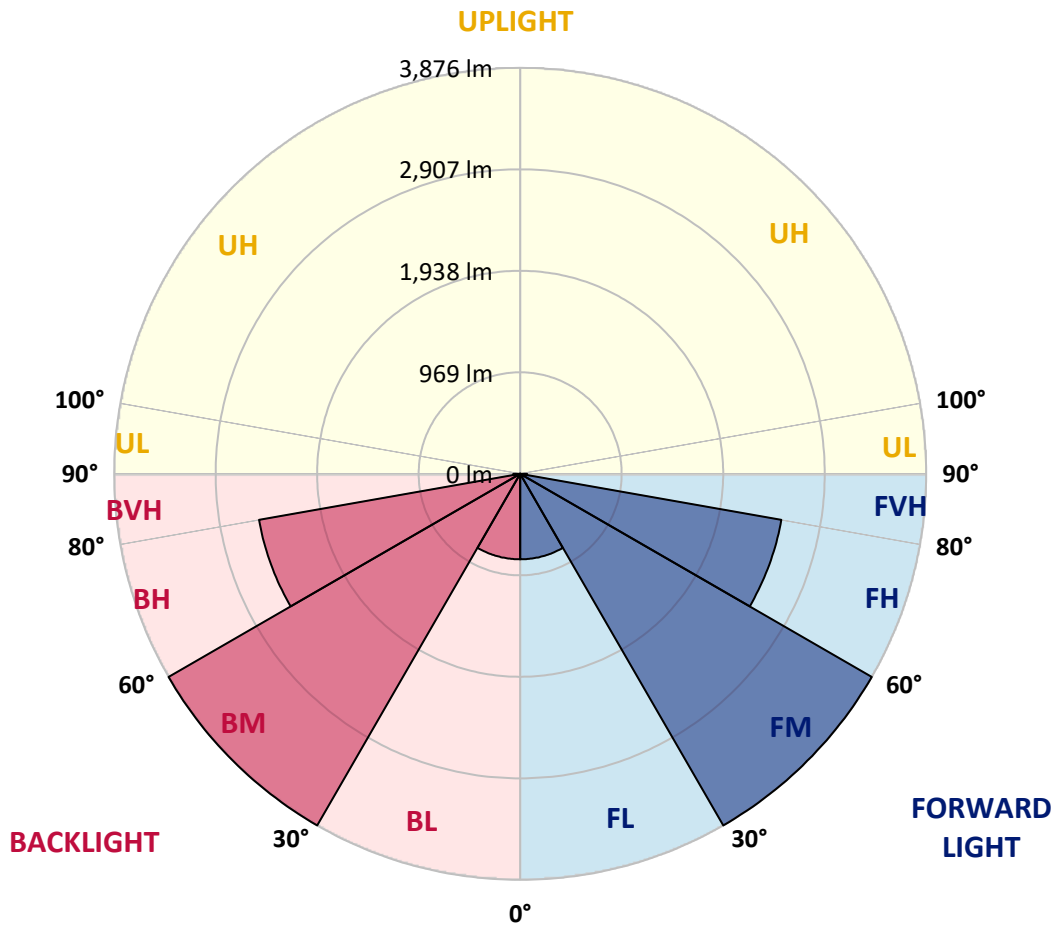
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	816.2	5.6			
FM (30°-60°)	3876.0	26.6			
FH (60°-80°)	2531.1	17.4			G2/5000
FVH (80°-90°)	65.7	0.5			G1/100
BL (0°-30°)	816.2	5.6	B2/1000		
BM (30°-60°)	3876.0	26.6	B3/5000		
BH (60°-80°)	2531.1	17.4	B4/5000		G4/5000
BVH (80°-90°)	65.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



REPORT NUMBER: P947627

CATALOG NUMBER: GALN-SB2D-935-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6
2.5°	1561.6	1560.1	1561.6	1563.1	1562.3	1562.3	1566.0	1568.3	1572.7	1572.0
5°	1551.1	1550.4	1556.4	1563.1	1568.3	1577.2	1588.4	1596.5	1607.0	1609.2
7.5°	1545.9	1543.7	1554.1	1566.0	1582.4	1604.7	1626.3	1648.6	1666.5	1672.5
10°	1549.7	1550.4	1564.5	1586.9	1612.9	1644.2	1674.7	1712.7	1738.0	1743.9
12.5°	1566.8	1565.3	1589.1	1624.8	1660.6	1700.0	1735.7	1777.4	1805.0	1819.1
15°	1598.0	1595.1	1628.6	1681.4	1733.5	1779.6	1808.7	1848.1	1880.1	1898.0
17.5°	1635.3	1636.7	1680.7	1749.1	1817.6	1869.7	1897.2	1917.3	1941.9	1957.5
20°	1700.8	1703.7	1752.9	1834.0	1912.1	1971.7	1994.0	1986.6	1993.3	2005.2
22.5°	1788.6	1790.1	1845.1	1933.0	2014.9	2080.3	2095.2	2064.7	2046.1	2054.3
25°	1890.6	1900.2	1955.3	2045.4	2129.5	2192.0	2198.7	2152.5	2106.4	2108.6
27.5°	2014.9	2023.8	2079.6	2168.9	2254.5	2308.9	2308.1	2246.3	2178.6	2161.5
30°	2149.6	2159.2	2216.6	2308.9	2388.5	2436.1	2425.7	2352.0	2255.3	2223.3
32.5°	2309.6	2315.6	2373.6	2465.9	2539.6	2577.5	2556.0	2465.2	2344.6	2308.1
35°	2503.1	2512.1	2555.2	2642.3	2707.1	2738.3	2701.8	2594.7	2459.2	2418.3
37.5°	2724.2	2718.2	2767.3	2844.8	2898.3	2917.7	2867.8	2740.6	2590.2	2541.8
40°	2954.9	2951.9	3005.5	3080.0	3109.0	3120.9	3047.2	2908.0	2741.3	2689.2
42.5°	3164.1	3161.8	3234.0	3316.7	3351.6	3338.2	3245.2	3085.9	2916.2	2856.7
45°	3331.5	3328.6	3417.1	3533.2	3601.7	3579.4	3454.3	3282.4	3093.4	3031.6
47.5°	3460.3	3461.8	3557.1	3700.7	3820.5	3828.7	3668.0	3482.6	3288.4	3218.4
50°	3553.3	3557.8	3659.8	3819.1	3982.8	4055.0	3886.0	3688.1	3490.1	3411.2
52.5°	3576.4	3584.6	3707.4	3894.2	4087.0	4224.7	4107.9	3885.3	3681.4	3606.2
55°	3453.6	3470.0	3625.5	3888.3	4151.0	4336.4	4302.9	4085.5	3874.1	3796.7
57.5°	3171.5	3194.6	3376.2	3719.3	4136.9	4413.0	4454.0	4277.6	4066.9	3992.5
60°	2776.3	2803.8	2978.0	3352.4	3937.4	4441.3	4560.4	4464.4	4244.1	4171.9
62.5°	2180.1	2215.8	2424.2	2863.4	3516.1	4309.6	4651.2	4633.3	4403.3	4313.3
65°	1398.6	1436.5	1656.1	2174.9	2954.2	3906.1	4679.5	4797.8	4571.6	4445.8
67.5°	843.3	860.4	969.1	1318.2	2159.2	3298.0	4439.8	4980.2	4768.1	4611.8
70°	539.6	549.3	614.1	774.1	1220.7	2406.4	3845.9	5014.4	5006.2	4782.2
72.5°	366.2	369.2	386.3	458.5	690.7	1367.3	2836.6	4539.6	5155.1	5001.8
75°	268.0	284.3	311.9	324.5	392.3	683.3	1625.6	3189.4	4344.5	4411.5
77.5°	199.5	200.2	238.2	253.1	279.9	364.0	687.7	1780.4	2697.4	2832.1
80°	169.0	160.0	159.3	203.9	210.6	227.0	307.4	614.8	966.1	585.8
82.5°	140.7	131.0	118.3	159.3	143.7	139.2	133.2	250.1	307.4	151.1
85°	98.2	93.8	89.3	104.2	81.9	70.0	64.0	116.9	129.5	64.0
87.5°	42.4	43.9	44.7	46.1	34.2	24.6	24.6	32.7	32.7	25.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1561.6
1571.2
1609.2
1674.0
1749.9
1825.1
1904.7
1965.0
2014.1
2060.3
2112.4
2166.7
2227.0
2317.0
2424.2
2550.8
2706.3
2871.6
3045.7
3239.2
3435.0
3625.5
3818.3
4009.6
4187.5
4323.7
4461.4
4623.7
4780.7
4978.0
4249.3
2526.2
442.9
128.8
56.6
18.6
0.0

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