

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: P947014

Luminaire Tested: **GALN-SB2C-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947014
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-SB2C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15685 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 100.9
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



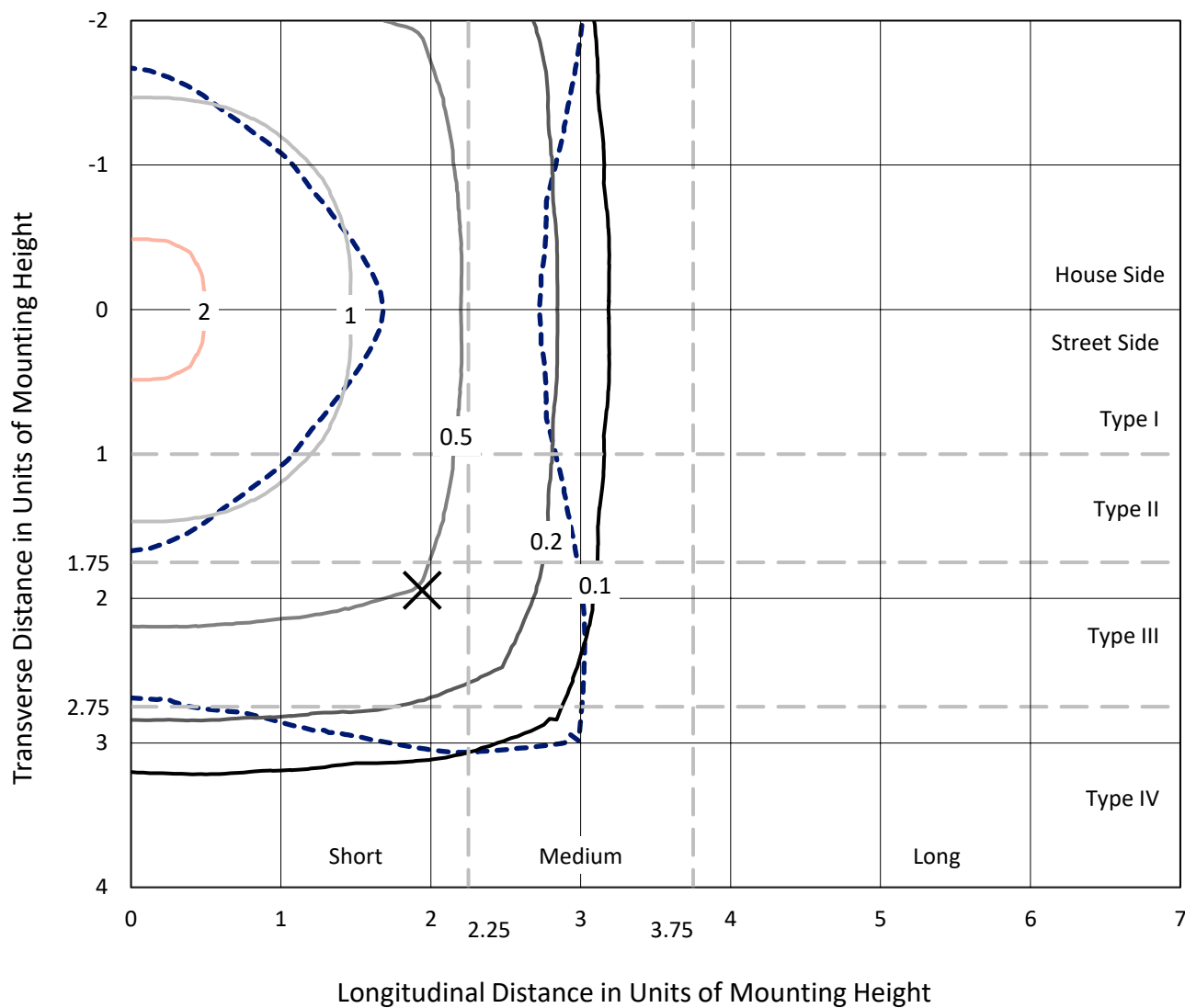
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

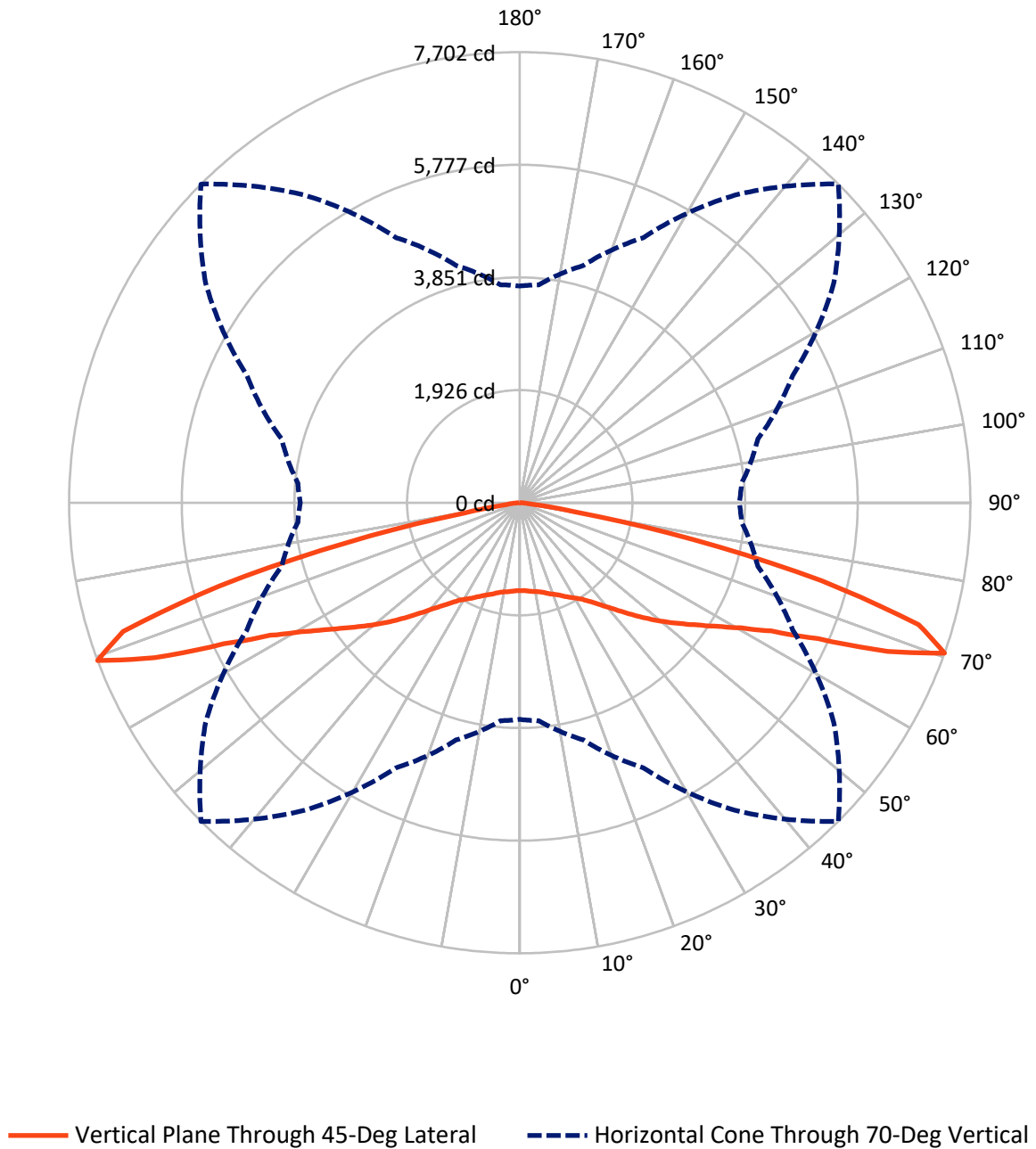


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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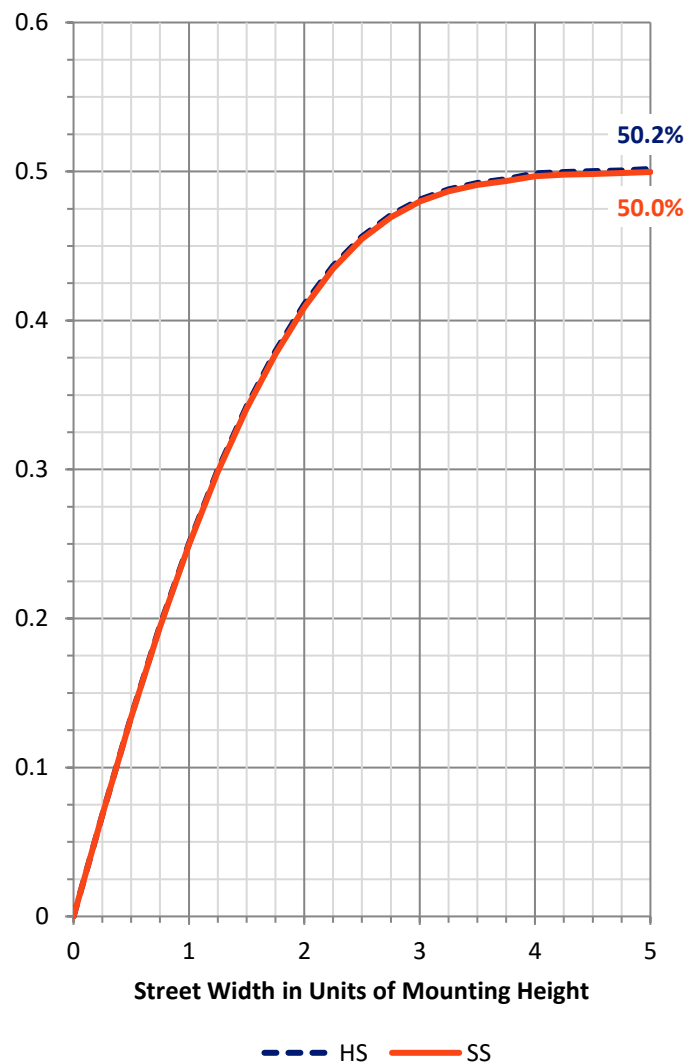
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7842.5	0.0	7842.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7842.5	0.0	7842.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15685.0	0.0	15685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	0.9
10°-20°	452.6	2.9
20°-30°	808.9	5.2
30°-40°	1311.2	8.4
40°-50°	2135.7	13.6
50°-60°	3256.2	20.8
60°-70°	4844.2	30.9
70°-80°	2640.3	16.8
80°-90°	89.9	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°	15685.0	100.0
0°-180°	15685.0	100.0

Coefficient of Utilization



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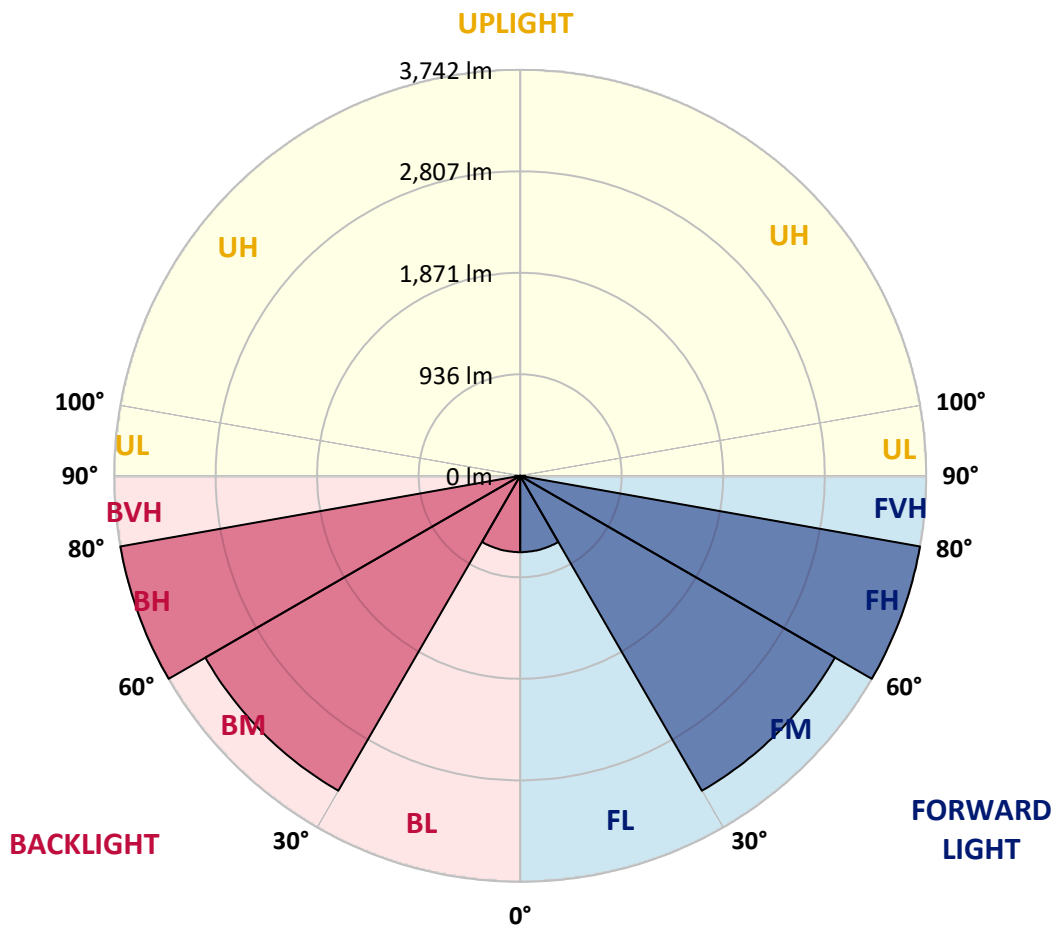
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.7	4.5			
FM	(30°-60°)	3351.6	21.4			
FH	(60°-80°)	3742.3	23.9			G2/5000
FVH	(80°-90°)	45.0	0.3			G1/100
BL	(0°-30°)	703.7	4.5	B2/1000		
BM	(30°-60°)	3351.6	21.4	B3/5000		
BH	(60°-80°)	3742.3	23.9	B4/5000		G2/5000
BVH	(80°-90°)	45.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5
2.5°	1509.5	1511.1	1508.0	1506.4	1504.8	1502.5	1503.2	1507.2	1510.3	1509.5	1510.3
5°	1522.1	1523.7	1521.4	1520.6	1517.4	1516.6	1516.6	1520.6	1522.9	1521.4	1522.1
7.5°	1536.3	1538.7	1534.7	1534.0	1532.4	1530.8	1530.0	1534.0	1536.3	1536.3	1536.3
10°	1549.7	1552.1	1548.9	1546.6	1545.0	1545.0	1543.4	1546.6	1550.5	1549.7	1549.7
12.5°	1563.9	1565.5	1562.3	1560.7	1560.7	1563.1	1560.7	1562.3	1565.5	1563.9	1563.1
15°	1581.2	1582.0	1581.2	1583.6	1587.5	1595.4	1588.3	1586.7	1588.3	1584.4	1584.4
17.5°	1604.8	1606.4	1609.6	1615.1	1620.6	1634.8	1622.2	1618.2	1618.2	1610.3	1610.3
20°	1634.0	1636.3	1641.1	1650.5	1657.6	1671.0	1658.4	1652.9	1650.5	1640.3	1640.3
22.5°	1664.7	1668.6	1675.7	1688.3	1700.9	1713.5	1700.9	1691.4	1684.4	1671.0	1670.2
25°	1700.1	1704.8	1715.9	1736.3	1753.7	1771.8	1756.8	1737.9	1723.7	1704.8	1704.0
27.5°	1750.5	1756.0	1769.4	1794.6	1816.7	1832.4	1818.2	1793.8	1774.1	1751.3	1750.5
30°	1821.4	1826.9	1842.6	1869.4	1884.4	1894.6	1885.2	1866.3	1842.6	1816.7	1816.7
32.5°	1912.7	1919.8	1937.1	1962.3	1965.5	1967.1	1963.9	1954.5	1937.1	1905.6	1906.4
35°	2028.5	2036.4	2056.0	2076.5	2073.4	2076.5	2071.8	2068.6	2056.0	2019.8	2019.8
37.5°	2170.2	2179.7	2200.1	2215.9	2208.0	2204.1	2204.9	2205.7	2198.6	2158.4	2158.4
40°	2334.8	2347.4	2362.4	2378.9	2365.5	2353.7	2361.6	2367.9	2361.6	2320.6	2320.6
42.5°	2504.1	2522.2	2538.0	2561.6	2550.6	2535.6	2546.6	2553.7	2540.3	2496.2	2499.4
45°	2692.3	2709.6	2730.1	2765.5	2757.7	2741.9	2757.7	2759.2	2736.4	2684.4	2689.9
47.5°	2886.8	2904.9	2935.6	2982.9	2979.7	2962.4	2982.9	2971.8	2942.7	2880.5	2876.6
50°	3071.1	3096.3	3143.5	3209.7	3216.0	3194.7	3222.3	3201.0	3152.2	3074.2	3072.6
52.5°	3244.3	3271.1	3345.9	3435.7	3458.5	3430.9	3467.9	3430.9	3357.7	3257.7	3248.2
55°	3426.2	3456.1	3545.1	3662.4	3708.1	3687.6	3722.3	3666.4	3562.4	3441.2	3424.6
57.5°	3640.4	3658.5	3764.8	3904.2	3981.4	3986.1	4001.8	3907.3	3781.4	3643.5	3624.6
60°	3872.7	3897.9	4013.6	4180.6	4302.6	4342.0	4325.5	4185.3	4038.8	3880.6	3855.4
62.5°	4170.4	4197.9	4336.5	4536.5	4729.4	4827.1	4762.5	4559.4	4378.2	4188.5	4155.4
65°	4416.8	4447.5	4697.9	5054.7	5405.9	5601.9	5439.7	5065.7	4739.7	4471.9	4427.8
67.5°	4238.1	4275.9	4668.8	5324.0	6197.3	6782.3	6227.2	5404.3	4765.7	4402.7	4348.3
70°	3704.2	3739.6	4197.9	4998.8	6420.1	7702.1	6554.0	5146.0	4212.9	3806.5	3752.2
72.5°	2459.2	2573.4	3037.2	3997.9	5732.7	7127.2	5789.4	3916.8	2817.5	2453.7	2374.2
75°	815.8	907.1	1223.7	2072.6	3839.6	5330.3	3655.4	1834.0	969.4	697.7	659.9
77.5°	205.5	237.0	326.8	593.0	1531.6	3034.8	1378.8	484.3	263.8	184.3	164.6
80°	100.0	110.2	157.5	197.7	383.5	964.6	359.9	185.8	124.4	96.1	88.2
82.5°	55.1	55.9	89.0	111.8	142.5	249.6	148.0	108.7	71.7	58.3	58.3
85°	33.9	33.1	47.2	59.8	59.8	89.0	70.9	59.8	40.9	36.2	37.8
87.5°	13.4	13.4	17.3	18.9	16.5	22.8	18.1	19.7	15.7	15.0	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)