

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: P948089

Luminaire Tested: **GALN-SB3B-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948089
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-SB3B-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17398 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 109.2
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



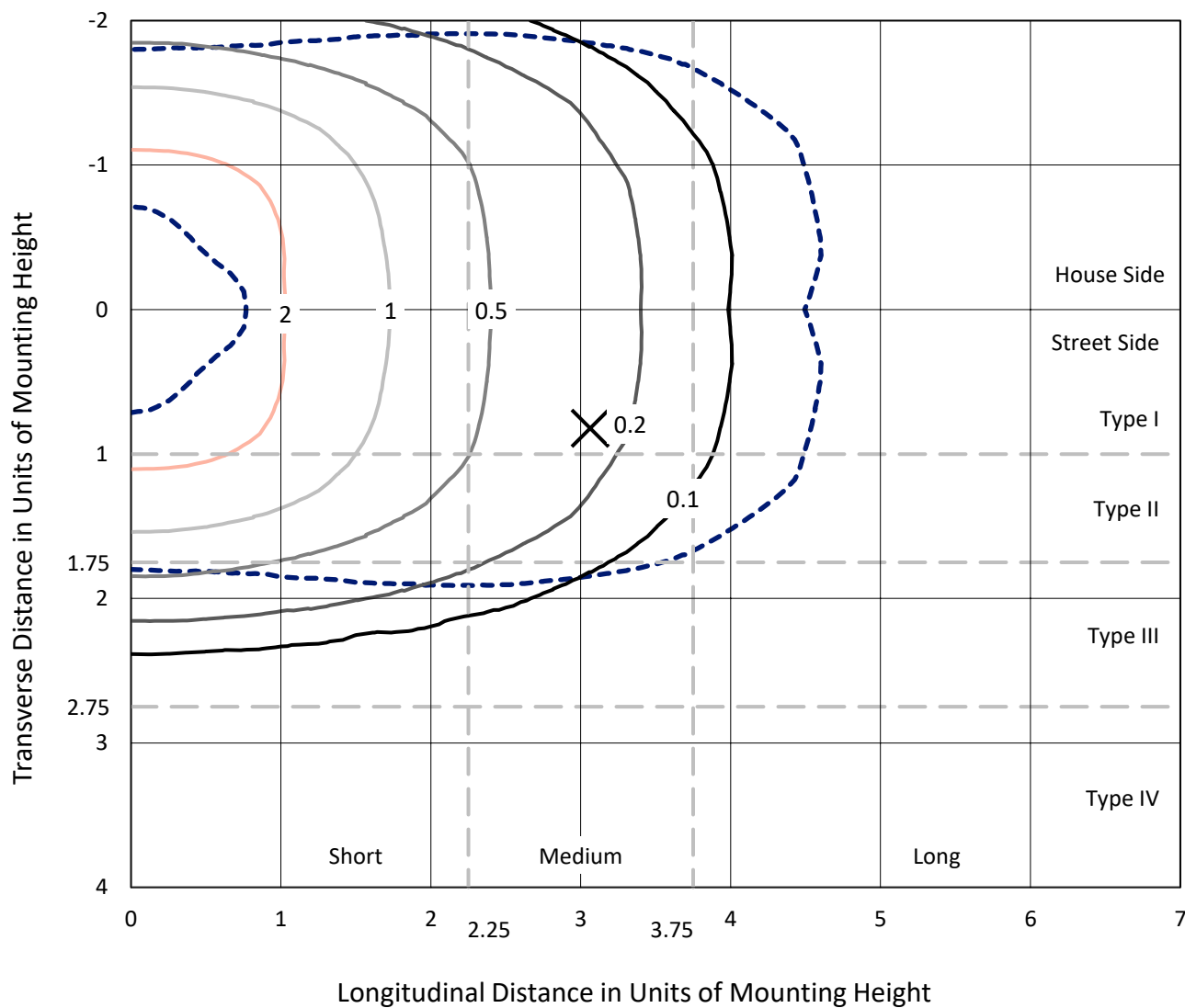
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

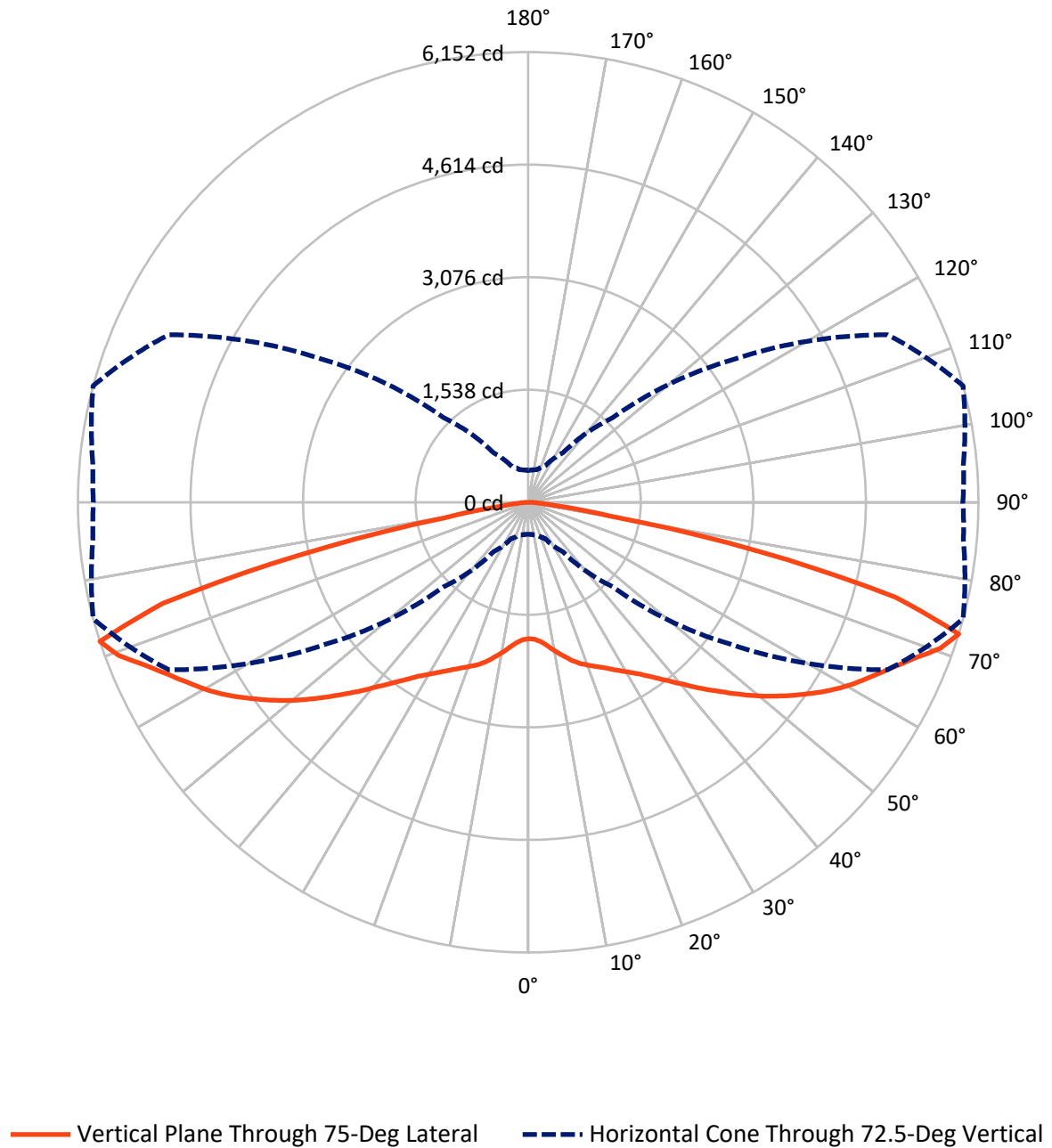


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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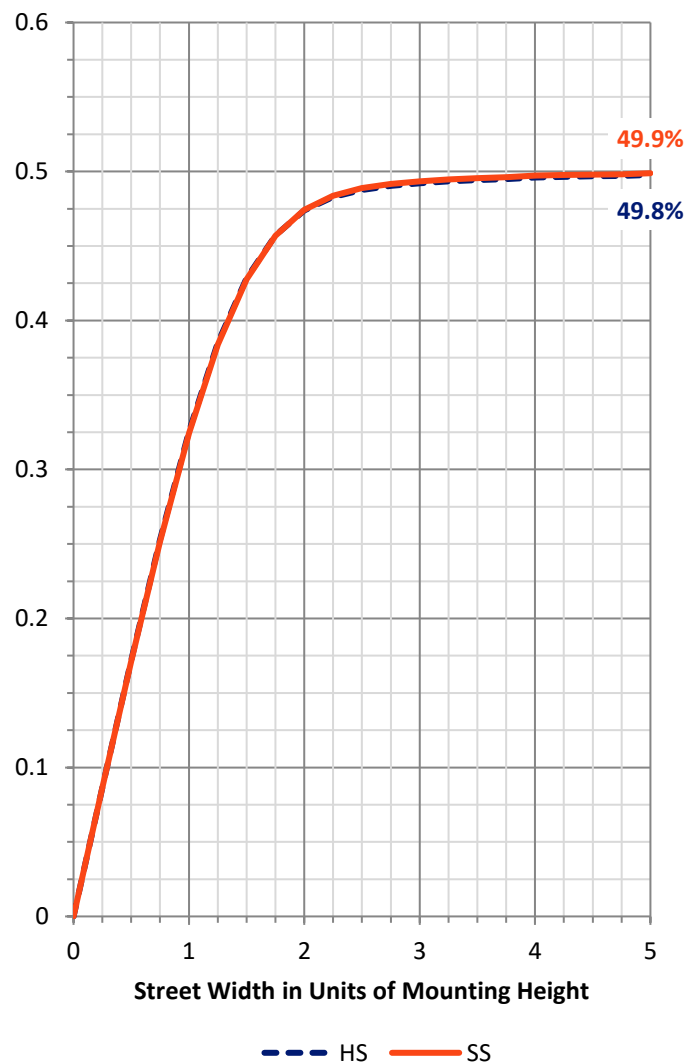
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8699.0	0.0	8699.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8699.0	0.0	8699.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17398.0	0.0	17398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	1.0
10°-20°	602.1	3.5
20°-30°	1163.5	6.7
30°-40°	1964.6	11.3
40°-50°	3115.6	17.9
50°-60°	4171.4	24.0
60°-70°	3969.9	22.8
70°-80°	2071.5	11.9
80°-90°	156.8	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°	17398.0	100.0
0°-180°	17398.0	100.0

Coefficient of Utilization



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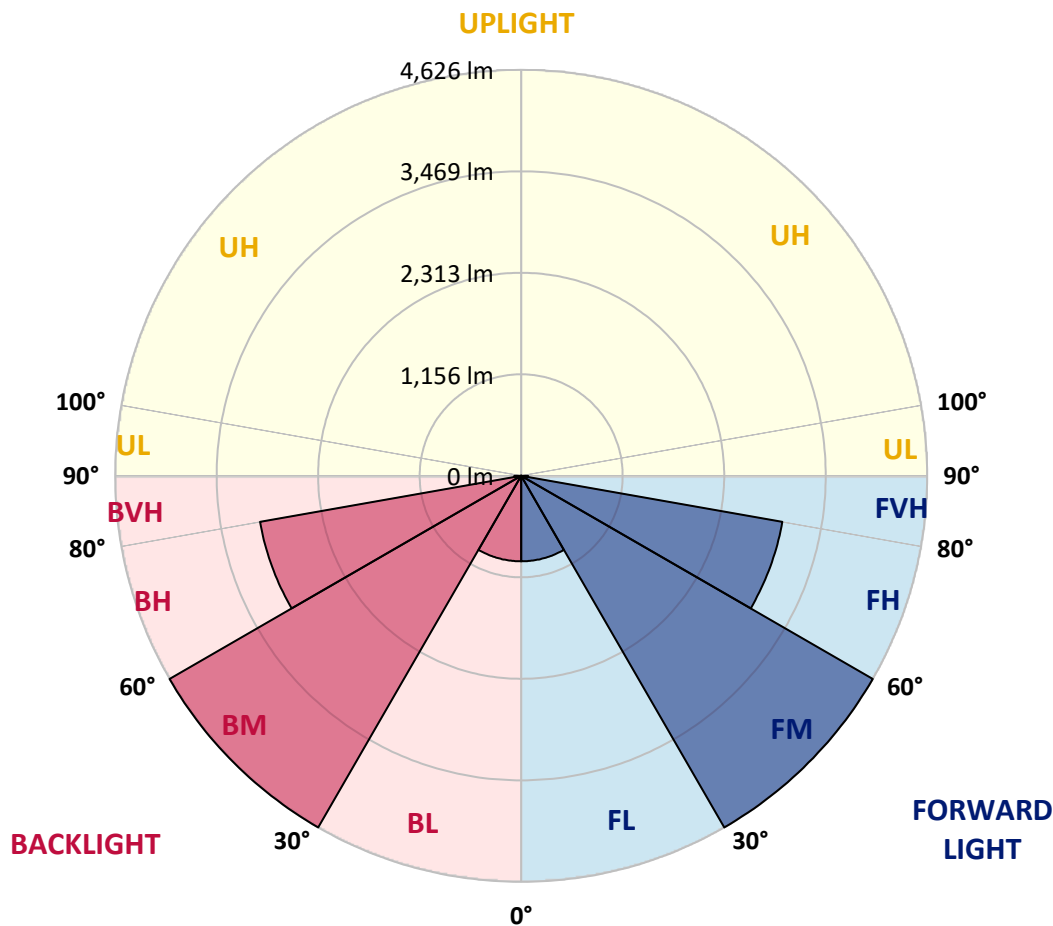
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	974.1	5.6			
FM	(30°-60°)	4625.8	26.6			
FH	(60°-80°)	3020.7	17.4			G2/5000
FVH	(80°-90°)	78.4	0.5			G1/100
BL	(0°-30°)	974.1	5.6	B2/1000		
BM	(30°-60°)	4625.8	26.6	B3/5000		
BH	(60°-80°)	3020.7	17.4	B4/5000		G4/5000
BVH	(80°-90°)	78.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6
2.5°	1863.6	1861.9	1863.6	1865.4	1864.5	1864.5	1869.0	1871.6	1877.0	1876.1	1875.2
5°	1851.2	1850.3	1857.4	1865.4	1871.6	1882.3	1895.6	1905.4	1917.8	1920.5	1920.5
7.5°	1845.0	1842.3	1854.8	1869.0	1888.5	1915.2	1940.9	1967.6	1988.9	1996.0	1997.8
10°	1849.4	1850.3	1867.2	1893.8	1924.9	1962.2	1998.7	2044.0	2074.2	2081.3	2088.4
12.5°	1869.9	1868.1	1896.5	1939.1	1981.8	2028.9	2071.5	2121.2	2154.1	2171.0	2178.1
15°	1907.2	1903.6	1943.6	2006.7	2068.8	2123.9	2158.6	2205.6	2243.8	2265.1	2273.1
17.5°	1951.6	1953.4	2005.8	2087.5	2169.2	2231.4	2264.3	2288.2	2317.6	2336.2	2345.1
20°	2029.7	2033.3	2091.9	2188.8	2282.0	2353.1	2379.7	2370.9	2378.8	2393.1	2403.7
22.5°	2134.6	2136.3	2202.1	2306.9	2404.6	2482.8	2500.5	2464.1	2441.9	2451.7	2458.8
25°	2256.3	2267.8	2333.5	2441.0	2541.4	2616.0	2624.0	2568.9	2513.9	2516.5	2521.0
27.5°	2404.6	2415.3	2481.9	2588.5	2690.6	2755.5	2754.6	2680.9	2600.0	2579.6	2585.8
30°	2565.4	2576.9	2645.3	2755.5	2850.5	2907.4	2894.9	2807.0	2691.5	2653.3	2657.8
32.5°	2756.4	2763.5	2832.8	2942.9	3030.9	3076.2	3050.4	2942.0	2798.1	2754.6	2765.3
35°	2987.3	2998.0	3049.5	3153.4	3230.7	3268.0	3224.5	3096.6	2934.9	2886.1	2893.2
37.5°	3251.1	3244.0	3302.7	3395.1	3459.0	3482.1	3422.6	3270.7	3091.3	3033.5	3044.2
40°	3526.5	3523.0	3586.9	3675.8	3710.4	3724.6	3636.7	3470.6	3271.6	3209.4	3229.8
42.5°	3776.1	3773.5	3859.6	3958.2	4000.0	3984.0	3873.0	3682.9	3480.3	3409.3	3427.0
45°	3976.0	3972.4	4078.1	4216.7	4298.4	4271.8	4122.6	3917.4	3691.7	3618.0	3634.9
47.5°	4129.7	4131.4	4245.1	4416.6	4559.6	4569.4	4377.5	4156.3	3924.5	3841.0	3865.8
50°	4240.7	4246.0	4367.7	4557.8	4753.3	4839.4	4637.8	4401.5	4165.2	4071.0	4099.5
52.5°	4268.2	4278.0	4424.6	4647.5	4877.6	5041.9	4902.5	4636.9	4393.5	4303.8	4326.9
55°	4121.7	4141.2	4326.9	4640.4	4954.0	5175.2	5135.2	4875.8	4623.6	4531.2	4556.9
57.5°	3785.0	3812.6	4029.3	4438.8	4937.1	5266.7	5315.5	5105.0	4853.6	4764.8	4785.2
60°	3313.3	3346.2	3554.1	4000.9	4699.1	5300.4	5442.6	5328.0	5065.0	4978.9	4997.5
62.5°	2601.8	2644.4	2893.2	3417.3	4196.3	5143.2	5550.9	5529.6	5255.1	5147.7	5160.1
65°	1669.1	1714.4	1976.5	2595.6	3525.6	4661.8	5584.7	5725.9	5455.9	5305.8	5324.4
67.5°	1006.4	1026.9	1156.6	1573.2	2576.9	3936.0	5298.7	5943.6	5690.4	5503.9	5518.1
70°	644.0	655.6	732.8	923.8	1456.8	2871.8	4589.8	5984.4	5974.7	5707.3	5705.5
72.5°	437.0	440.6	461.0	547.2	824.3	1631.8	3385.3	5417.7	6152.3	5969.3	5940.9
75°	319.8	339.3	372.2	387.3	468.1	815.5	1940.0	3806.3	5185.0	5264.9	5071.3
77.5°	238.1	239.0	284.3	302.0	334.0	434.4	820.8	2124.8	3219.2	3380.0	3014.9
80°	201.6	191.0	190.1	243.4	251.4	270.9	366.9	733.7	1153.0	699.1	528.5
82.5°	167.9	156.3	141.2	190.1	171.4	166.1	159.0	298.5	366.9	180.3	153.7
85°	117.3	111.9	106.6	124.4	97.7	83.5	76.4	139.5	154.6	76.4	67.5
87.5°	50.6	52.4	53.3	55.1	40.9	29.3	29.3	39.1	39.1	30.2	22.2
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)