

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: P948719

Luminaire Tested: **GALN-SB3C-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948719
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-SB3C-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16767 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

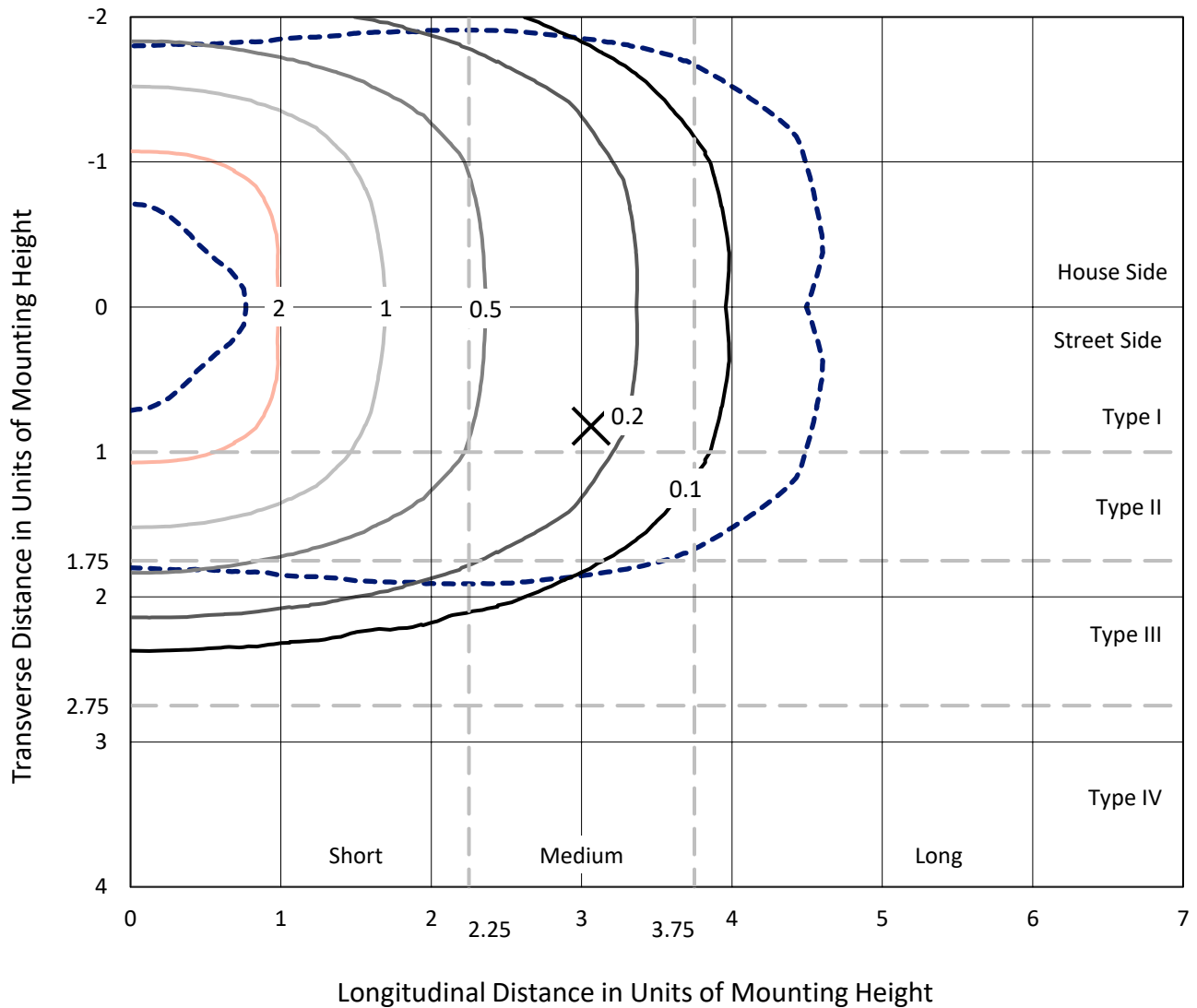
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

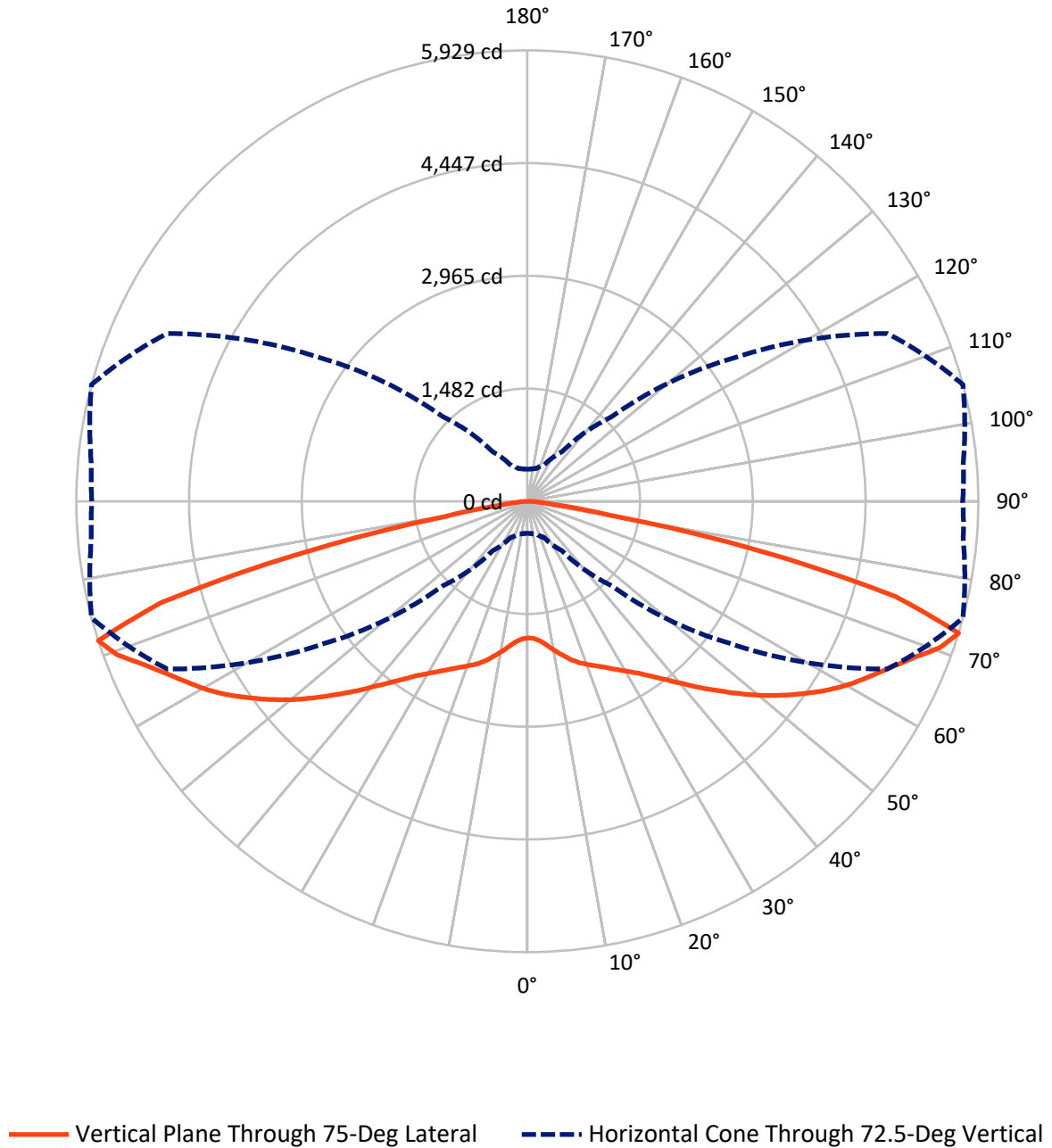
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	8383.5	0.0	8383.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8383.5	0.0	8383.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16767.0	0.0	16767.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	1.0
10°-20°	580.3	3.5
20°-30°	1121.3	6.7
30°-40°	1893.3	11.3
40°-50°	3002.6	17.9
50°-60°	4020.1	24.0
60°-70°	3825.9	22.8
70°-80°	1996.4	11.9
80°-90°	151.1	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°	16767.0	100.0
0°-180°	16767.0	100.0

Coefficient of Utilization



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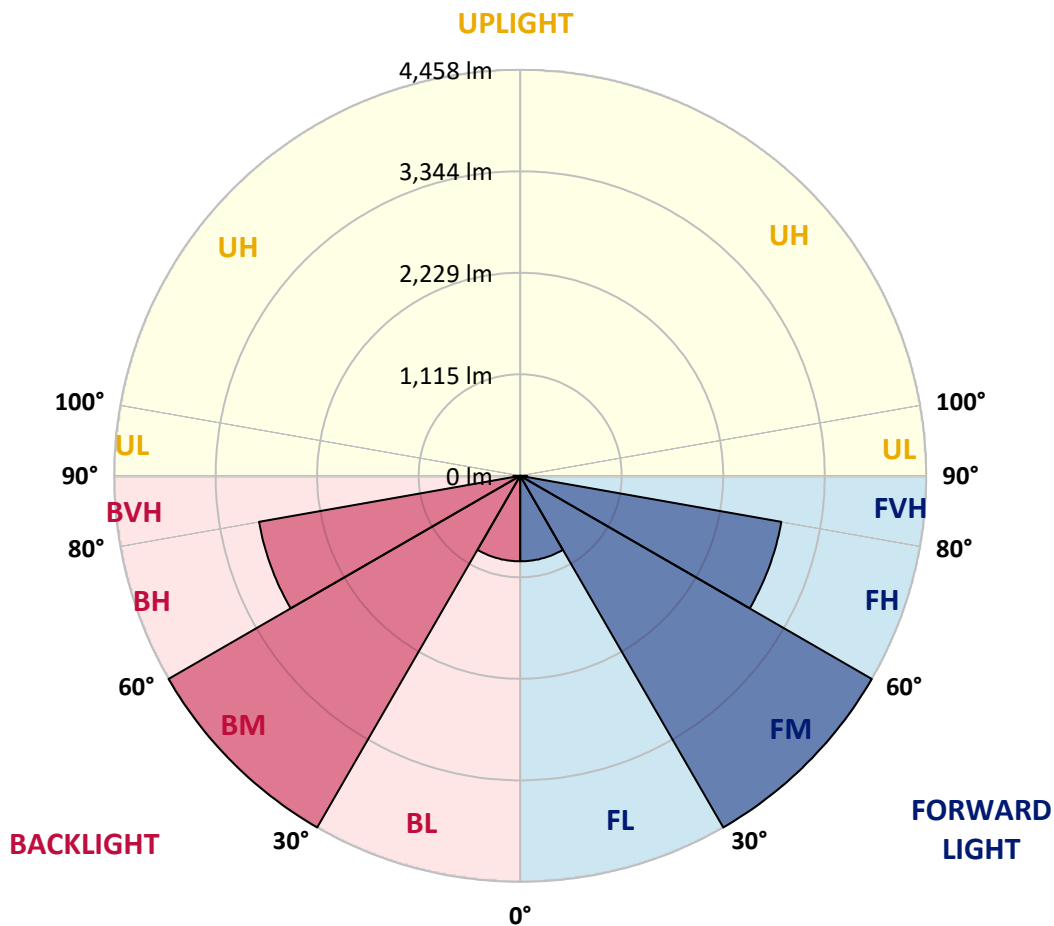
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	938.7	5.6			
FM (30°-60°)	4458.0	26.6			
FH (60°-80°)	2911.2	17.4			G2/5000
FVH (80°-90°)	75.6	0.5			G1/100
BL (0°-30°)	938.7	5.6	B2/1000		
BM (30°-60°)	4458.0	26.6	B3/5000		
BH (60°-80°)	2911.2	17.4	B4/5000		G4/5000
BVH (80°-90°)	75.6	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°
0°	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0
2.5°	1796.0	1794.3	1796.0	1797.8	1796.9	1796.9	1801.2	1803.8	1808.9	1808.0
5°	1784.1	1783.2	1790.1	1797.8	1803.8	1814.0	1826.9	1836.3	1848.3	1850.8
7.5°	1778.1	1775.5	1787.5	1801.2	1820.0	1845.7	1870.5	1896.2	1916.8	1923.6
10°	1782.3	1783.2	1799.5	1825.2	1855.1	1891.1	1926.2	1969.8	1998.9	2005.8
12.5°	1802.0	1800.3	1827.7	1868.8	1909.9	1955.3	1996.4	2044.3	2076.0	2092.2
15°	1838.0	1834.6	1873.1	1933.9	1993.8	2046.9	2080.3	2125.6	2162.4	2183.0
17.5°	1880.8	1882.5	1933.0	2011.8	2090.5	2150.5	2182.1	2205.2	2233.5	2251.5
20°	1956.1	1959.6	2016.1	2109.4	2199.3	2267.7	2293.4	2284.9	2292.6	2306.3
22.5°	2057.1	2058.9	2122.2	2223.2	2317.4	2392.7	2409.9	2374.8	2353.4	2362.8
25°	2174.4	2185.6	2248.9	2352.5	2449.2	2521.1	2528.8	2475.8	2422.7	2425.3
27.5°	2317.4	2327.7	2391.9	2494.6	2593.1	2655.5	2654.7	2583.6	2505.7	2486.0
30°	2472.3	2483.5	2549.4	2655.5	2747.1	2801.9	2789.9	2705.2	2593.9	2557.1
32.5°	2656.4	2663.3	2730.0	2836.2	2920.9	2964.6	2939.8	2835.3	2696.6	2654.7
35°	2879.0	2889.3	2938.9	3039.1	3113.5	3149.5	3107.6	2984.3	2828.5	2781.4
37.5°	3133.2	3126.4	3182.9	3271.9	3333.6	3355.8	3298.5	3152.1	2979.1	2923.5
40°	3398.6	3395.2	3456.8	3542.4	3575.8	3589.5	3504.8	3344.7	3152.9	3093.0
42.5°	3639.2	3636.6	3719.6	3814.7	3854.9	3839.5	3732.5	3549.3	3354.1	3285.6
45°	3831.8	3828.4	3930.2	4063.8	4142.5	4116.9	3973.0	3775.3	3557.8	3486.8
47.5°	3979.9	3981.6	4091.2	4256.4	4394.2	4403.7	4218.7	4005.6	3782.1	3701.7
50°	4086.9	4092.0	4209.3	4392.5	4580.9	4663.9	4469.6	4241.9	4014.1	3923.4
52.5°	4113.4	4122.9	4264.1	4479.0	4700.7	4859.1	4724.7	4468.7	4234.1	4147.7
55°	3972.2	3991.0	4169.9	4472.1	4774.3	4987.5	4949.0	4699.0	4455.9	4366.8
57.5°	3647.7	3674.3	3883.2	4277.8	4758.1	5075.7	5122.8	4919.9	4677.6	4592.0
60°	3193.2	3224.8	3425.2	3855.8	4528.6	5108.2	5245.2	5134.7	4881.3	4798.3
62.5°	2507.4	2548.5	2788.2	3293.3	4044.1	4956.7	5349.6	5329.1	5064.5	4961.0
65°	1608.6	1652.2	1904.8	2501.5	3397.8	4492.7	5382.1	5518.3	5258.0	5113.3
67.5°	969.9	989.6	1114.6	1516.1	2483.5	3793.3	5106.5	5728.0	5484.0	5304.2
70°	620.7	631.8	706.3	890.3	1404.0	2767.7	4423.3	5767.4	5758.0	5500.3
72.5°	421.2	424.6	444.3	527.3	794.4	1572.6	3262.5	5221.2	5929.2	5752.8
75°	308.2	327.0	358.7	373.2	451.2	785.9	1869.7	3668.3	4996.9	5074.0
77.5°	229.4	230.3	273.9	291.1	321.9	418.6	791.0	2047.7	3102.4	3257.4
80°	194.3	184.1	183.2	234.6	242.3	261.1	353.6	707.1	1111.2	673.7
82.5°	161.8	150.7	136.1	183.2	165.2	160.1	153.2	287.6	353.6	173.8
85°	113.0	107.9	102.7	119.9	94.2	80.5	73.6	134.4	149.0	73.6
87.5°	48.8	50.5	51.4	53.1	39.4	28.3	28.3	37.7	37.7	29.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1796.0
1807.2
1850.8
1925.3
2012.6
2099.1
2190.7
2260.0
2316.5
2369.6
2429.5
2492.0
2561.4
2665.0
2788.2
2933.8
3112.7
3302.7
3503.1
3725.6
3950.8
4169.9
4391.7
4611.7
4816.3
4972.9
5131.3
5317.9
5498.6
5725.4
4887.3
2905.5
509.4
148.1
65.1
21.4
0.0

OF REPORT)