

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: P952247

Luminaire Tested: **GALN-SB6A-930-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952247
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-SB6A-930-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19486 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

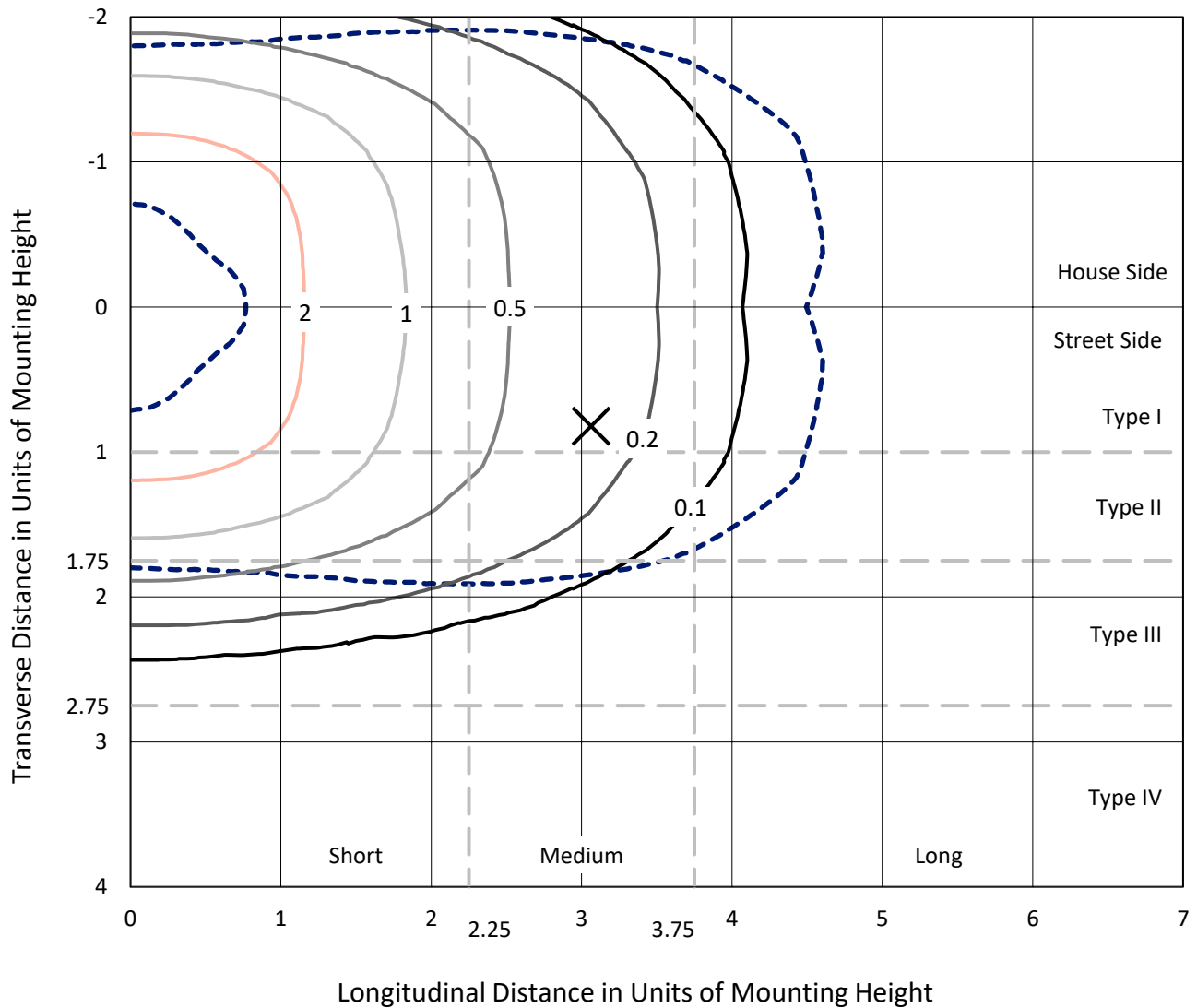
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

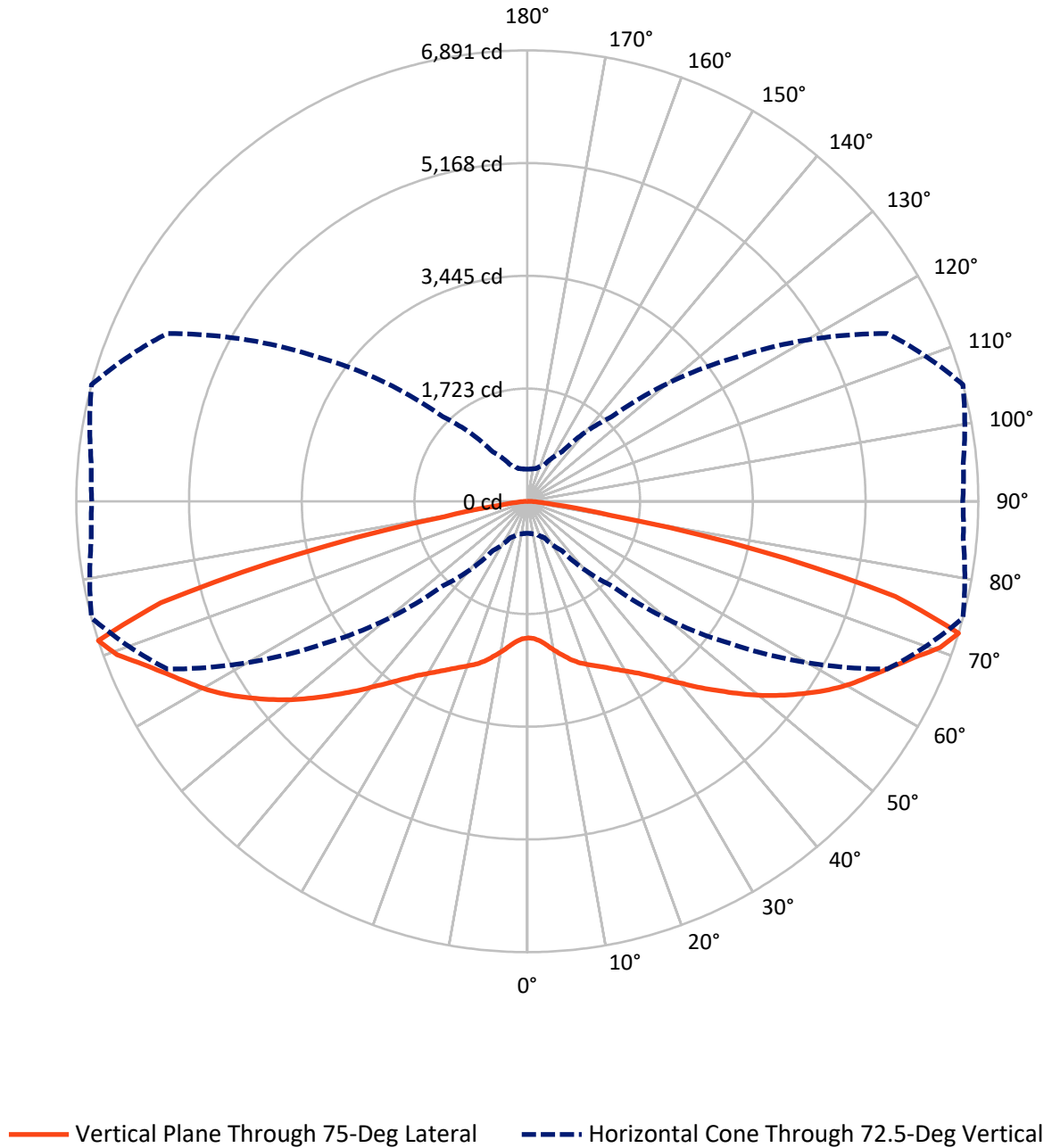
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	9743.0	0.0	9743.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9743.0	0.0	9743.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19486.0	0.0	19486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.5	1.0
10°-20°	674.4	3.5
20°-30°	1303.1	6.7
30°-40°	2200.4	11.3
40°-50°	3489.5	17.9
50°-60°	4672.1	24.0
60°-70°	4446.3	22.8
70°-80°	2320.2	11.9
80°-90°	175.6	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°	19486.0	100.0
0°-180°	19486.0	100.0

Coefficient of Utilization



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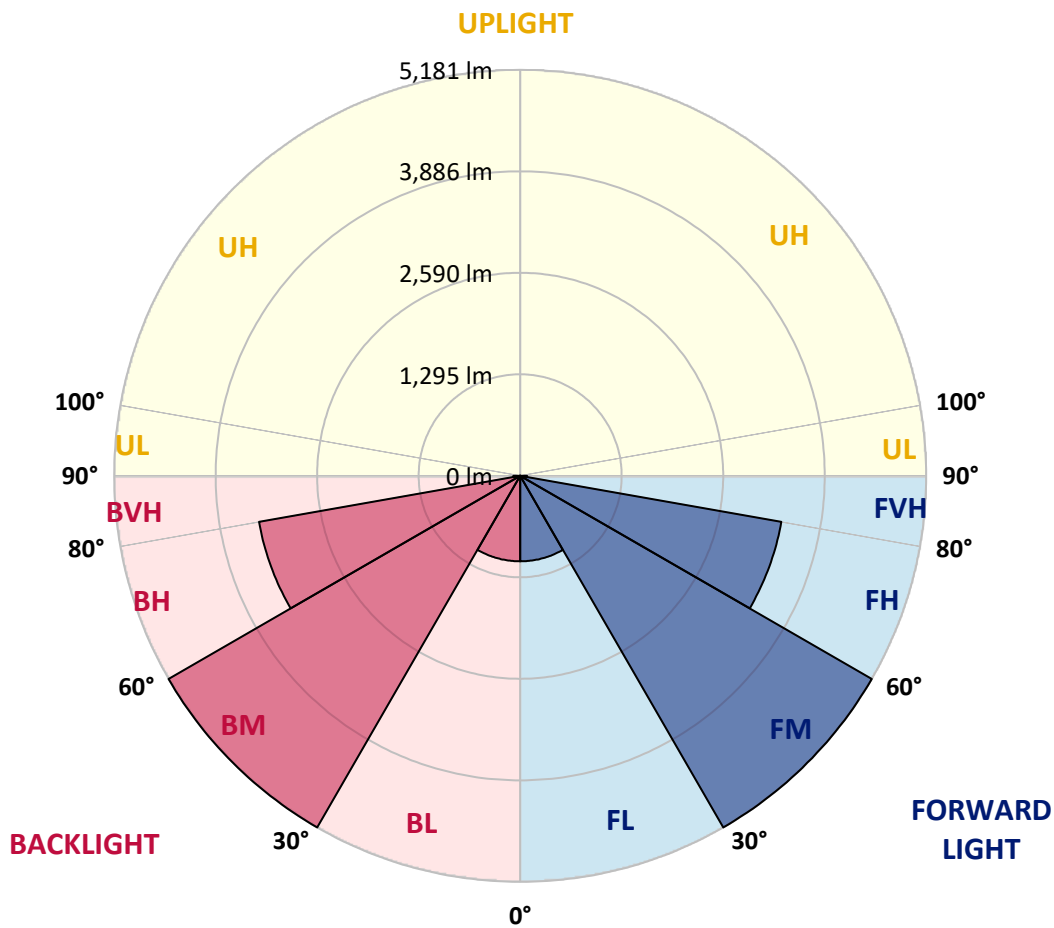
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1091.0	5.6			
FM (30°-60°)	5181.0	26.6			
FH (60°-80°)	3383.2	17.4			G2/5000
FVH (80°-90°)	87.8	0.5			G1/100
BL (0°-30°)	1091.0	5.6	B3/2500		
BM (30°-60°)	5181.0	26.6	B4/8500		
BH (60°-80°)	3383.2	17.4	B4/5000		G4/5000
BVH (80°-90°)	87.8	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°	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3
2.5°	2087.3	2085.3	2087.3	2089.3	2088.3	2088.3	2093.3	2096.3	2102.2	2101.2
5°	2073.4	2072.4	2080.3	2089.3	2096.3	2108.2	2123.1	2134.1	2148.0	2151.0
7.5°	2066.4	2063.4	2077.4	2093.3	2115.2	2145.0	2173.9	2203.7	2227.6	2235.5
10°	2071.4	2072.4	2091.3	2121.1	2155.9	2197.7	2238.5	2289.3	2323.1	2331.0
12.5°	2094.3	2092.3	2124.1	2171.9	2219.6	2272.4	2320.1	2375.8	2412.6	2431.5
15°	2136.0	2132.1	2176.8	2247.5	2317.1	2378.8	2417.6	2470.3	2513.1	2537.0
17.5°	2185.8	2187.8	2246.5	2338.0	2429.5	2499.2	2536.0	2562.9	2595.7	2616.6
20°	2273.3	2277.3	2343.0	2451.4	2555.9	2635.5	2665.3	2655.4	2664.3	2680.3
22.5°	2390.7	2392.7	2466.4	2583.8	2693.2	2780.7	2800.6	2759.9	2735.0	2745.9
25°	2527.0	2540.0	2613.6	2734.0	2846.4	2930.0	2938.9	2877.2	2815.6	2818.6
27.5°	2693.2	2705.1	2779.7	2899.1	3013.6	3086.2	3085.2	3002.6	2912.1	2889.2
30°	2873.3	2886.2	2962.8	3086.2	3192.6	3256.3	3242.4	3143.9	3014.5	2971.8
32.5°	3087.2	3095.1	3172.7	3296.1	3394.6	3445.3	3416.5	3295.1	3133.9	3085.2
35°	3345.8	3357.8	3415.5	3531.9	3618.4	3660.2	3611.5	3468.2	3287.1	3232.4
37.5°	3641.3	3633.4	3699.0	3802.5	3874.1	3900.0	3833.3	3663.2	3462.3	3397.6
40°	3949.8	3945.8	4017.4	4116.9	4155.7	4171.6	4073.1	3887.1	3664.2	3594.6
42.5°	4229.3	4226.3	4322.8	4433.3	4480.0	4462.1	4337.8	4124.9	3898.0	3818.4
45°	4453.2	4449.2	4567.6	4722.8	4814.3	4784.5	4617.3	4387.5	4134.8	4052.2
47.5°	4625.3	4627.3	4754.6	4946.6	5106.8	5117.8	4902.9	4655.1	4395.5	4301.9
50°	4749.7	4755.6	4891.9	5104.8	5323.7	5420.2	5194.4	4929.7	4665.1	4559.6
52.5°	4780.5	4791.4	4955.6	5205.3	5463.0	5647.1	5490.9	5193.4	4920.8	4820.3
55°	4616.3	4638.2	4846.2	5197.4	5548.6	5796.3	5751.5	5461.0	5178.5	5075.0
57.5°	4239.3	4270.1	4512.9	4971.5	5529.7	5898.8	5953.5	5717.7	5436.1	5336.6
60°	3711.0	3747.8	3980.6	4481.0	5263.0	5936.6	6095.8	5967.4	5672.9	5576.4
62.5°	2914.1	2961.8	3240.4	3827.4	4699.9	5760.5	6217.1	6193.3	5885.8	5765.4
65°	1869.4	1920.2	2213.7	2907.1	3948.8	5221.2	6254.9	6413.1	6110.7	5942.5
67.5°	1127.2	1150.1	1295.4	1762.0	2886.2	4408.4	5934.6	6656.9	6373.3	6164.4
70°	721.3	734.2	820.8	1034.7	1631.6	3216.5	5140.6	6702.6	6691.7	6392.2
72.5°	489.5	493.5	516.4	612.9	923.3	1827.6	3791.6	6067.9	6890.7	6685.7
75°	358.2	380.1	416.9	433.8	524.3	913.3	2172.9	4263.1	5807.2	5896.8
77.5°	266.6	267.6	318.4	338.3	374.1	486.5	919.3	2379.8	3605.5	3785.6
80°	225.8	213.9	212.9	272.6	281.6	303.4	410.9	821.8	1291.4	783.0
82.5°	188.0	175.1	158.2	212.9	192.0	186.0	178.1	334.3	410.9	202.0
85°	131.3	125.4	119.4	139.3	109.4	93.5	85.6	156.2	173.1	85.6
87.5°	56.7	58.7	59.7	61.7	45.8	32.8	32.8	43.8	43.8	33.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2087.3
2100.2
2151.0
2237.5
2339.0
2439.5
2545.9
2626.5
2692.2
2753.9
2823.5
2896.2
2976.7
3097.1
3240.4
3409.5
3617.5
3838.3
4071.1
4329.8
4591.5
4846.2
5103.8
5359.5
5597.3
5779.4
5963.4
6180.3
6390.2
6653.9
5679.9
3376.7
592.0
172.1
75.6
24.9
0.0

OF REPORT)