

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: P952289

Luminaire Tested: **GALN-SB6A-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952289
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-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20298 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

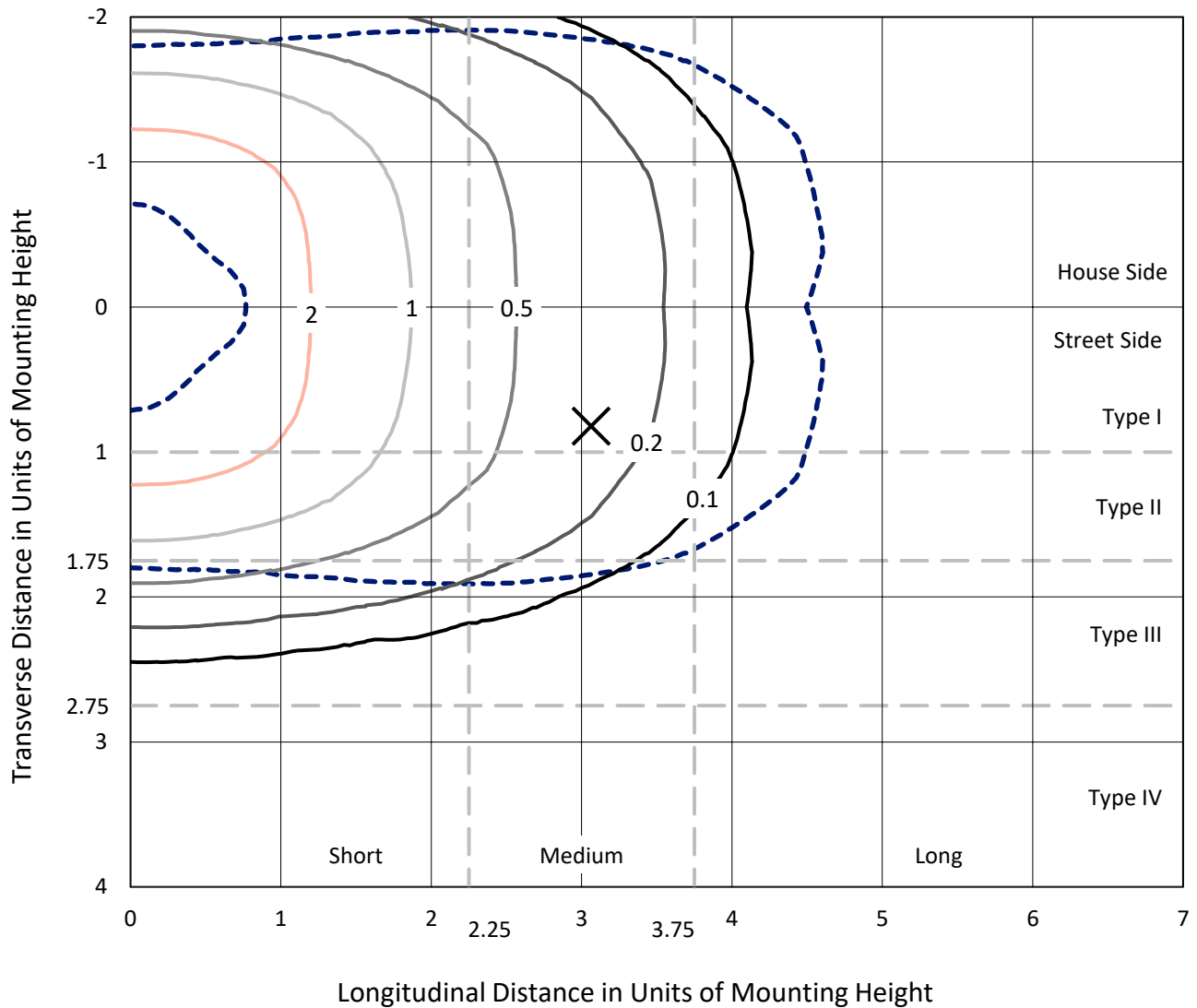
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

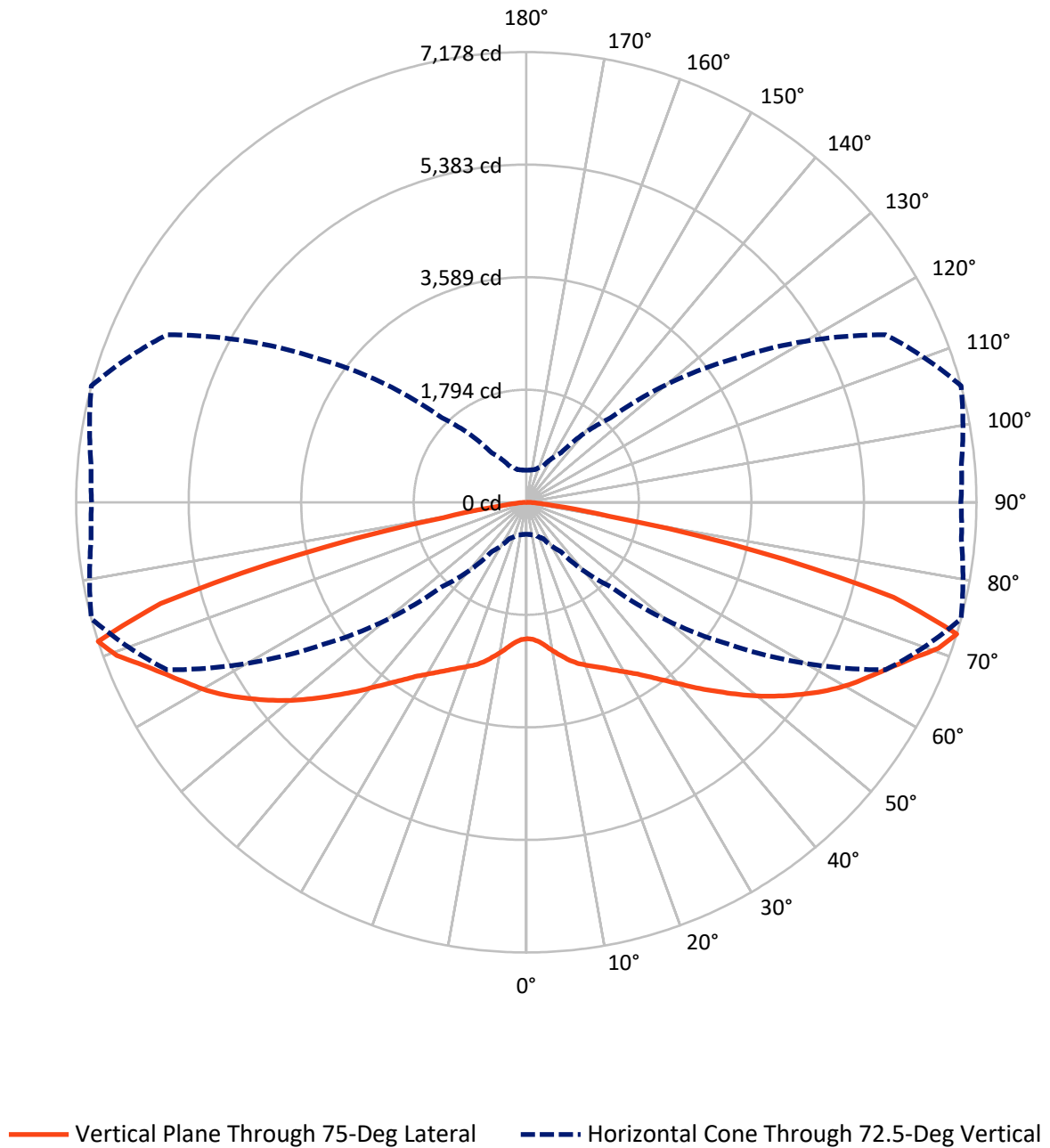
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	10149.0	0.0	10149.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10149.0	0.0	10149.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20298.0	0.0	20298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.0	1.0
10°-20°	702.5	3.5
20°-30°	1357.4	6.7
30°-40°	2292.1	11.3
40°-50°	3634.9	17.9
50°-60°	4866.8	24.0
60°-70°	4631.6	22.8
70°-80°	2416.8	11.9
80°-90°	182.9	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°	20298.0	100.0
0°-180°	20298.0	100.0

Coefficient of Utilization



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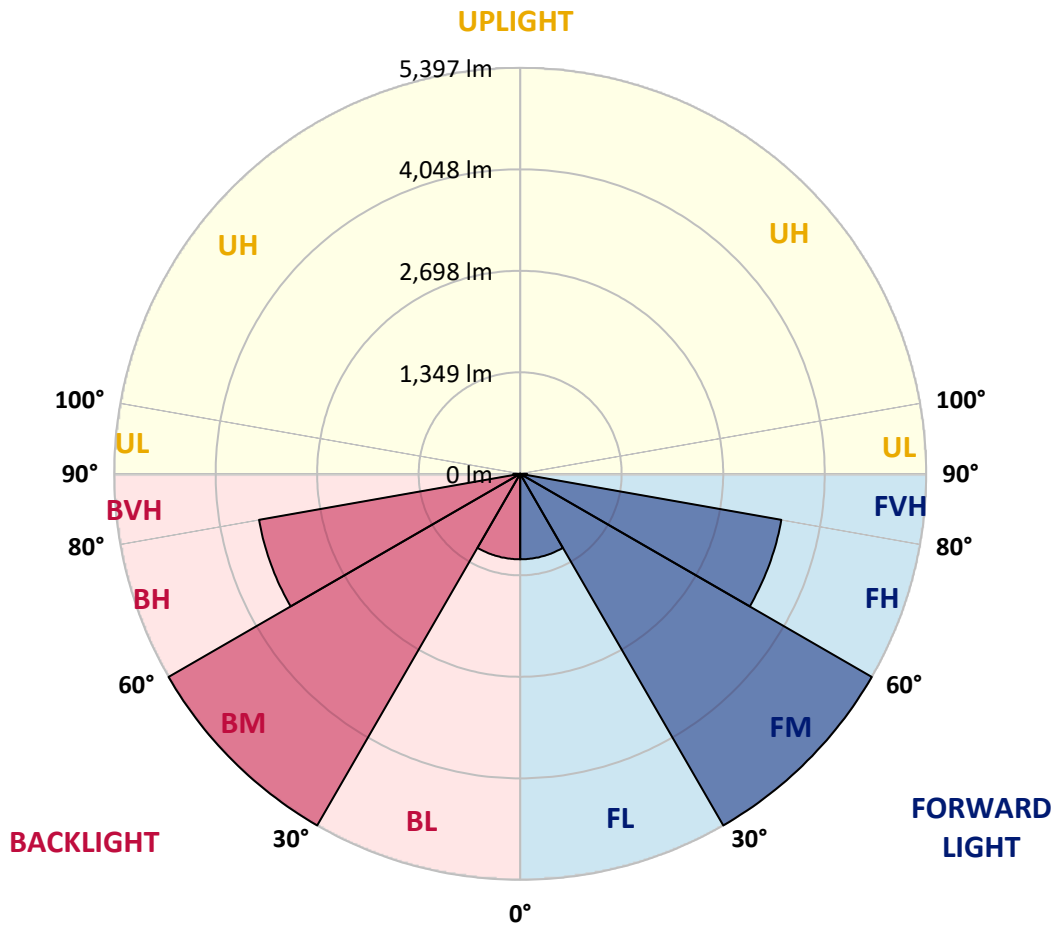
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1136.4	5.6			
FM (30°-60°)	5396.9	26.6			
FH (60°-80°)	3524.2	17.4			G2/5000
FVH (80°-90°)	91.5	0.5			G1/100
BL (0°-30°)	1136.4	5.6	B3/2500		
BM (30°-60°)	5396.9	26.6	B4/8500		
BH (60°-80°)	3524.2	17.4	B4/5000		G4/5000
BVH (80°-90°)	91.5	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°	2174.3	2174.3	2174.3	2174.3	2174.3	2174.3	2174.3	2174.3	2174.3	2174.3
2.5°	2174.3	2172.2	2174.3	2176.4	2175.3	2175.3	2180.5	2183.6	2189.8	2188.8
5°	2159.8	2158.7	2167.0	2176.4	2183.6	2196.0	2211.6	2223.0	2237.5	2240.6
7.5°	2152.5	2149.4	2163.9	2180.5	2203.3	2234.4	2264.4	2295.5	2320.4	2328.7
10°	2157.7	2158.7	2178.4	2209.5	2245.8	2289.3	2331.8	2384.7	2419.9	2428.2
12.5°	2181.5	2179.5	2212.6	2262.4	2312.1	2367.0	2416.8	2474.8	2513.2	2532.9
15°	2225.1	2220.9	2267.6	2341.1	2413.7	2477.9	2518.4	2573.3	2617.8	2642.7
17.5°	2276.9	2279.0	2340.1	2435.4	2530.8	2603.3	2641.7	2669.7	2703.9	2725.6
20°	2368.1	2372.2	2440.6	2553.6	2662.4	2745.3	2776.4	2766.0	2775.4	2791.9
22.5°	2490.4	2492.4	2569.1	2691.4	2805.4	2896.6	2917.3	2874.9	2848.9	2860.3
25°	2632.3	2645.8	2722.5	2847.9	2965.0	3052.1	3061.4	2997.1	2932.9	2936.0
27.5°	2805.4	2817.9	2895.6	3019.9	3139.1	3214.8	3213.7	3127.7	3033.4	3009.6
30°	2993.0	3006.5	3086.3	3214.8	3325.7	3392.0	3377.5	3274.9	3140.2	3095.6
32.5°	3215.8	3224.1	3304.9	3433.5	3536.1	3588.9	3558.9	3432.4	3264.5	3213.7
35°	3485.3	3497.7	3557.8	3679.1	3769.2	3812.8	3762.0	3612.7	3424.1	3367.1
37.5°	3793.1	3784.8	3853.2	3961.0	4035.6	4062.5	3993.1	3815.9	3606.5	3539.2
40°	4114.3	4110.2	4184.8	4288.4	4328.9	4345.4	4242.8	4049.1	3816.9	3744.4
42.5°	4405.6	4402.4	4503.0	4618.0	4666.7	4648.1	4518.5	4296.7	4060.5	3977.5
45°	4638.7	4634.6	4757.9	4919.6	5014.9	4983.8	4809.7	4570.3	4307.1	4221.1
47.5°	4818.0	4820.1	4952.8	5152.8	5319.6	5331.0	5107.2	4849.1	4578.6	4481.2
50°	4947.6	4953.8	5095.8	5317.6	5545.6	5646.1	5410.8	5135.2	4859.5	4749.6
52.5°	4979.7	4991.1	5162.1	5422.2	5690.6	5882.4	5719.7	5409.8	5125.8	5021.2
55°	4808.7	4831.5	5048.1	5413.9	5779.8	6037.8	5991.2	5688.6	5394.2	5286.5
57.5°	4415.9	4448.0	4700.9	5178.7	5760.1	6144.6	6201.6	5955.9	5662.7	5559.0
60°	3865.6	3904.0	4146.5	4667.8	5482.3	6183.9	6349.8	6216.1	5909.3	5808.8
62.5°	3035.5	3085.2	3375.4	3986.9	4895.8	6000.5	6476.2	6451.3	6131.1	6005.7
65°	1947.3	2000.2	2305.9	3028.2	4113.3	5438.8	6515.6	6680.4	6365.3	6190.2
67.5°	1174.2	1198.0	1349.3	1835.4	3006.5	4592.1	6181.9	6934.3	6638.9	6421.3
70°	751.4	764.8	855.0	1077.8	1699.6	3350.5	5354.9	6981.9	6970.5	6658.6
72.5°	509.9	514.0	537.9	638.4	961.7	1903.8	3949.6	6320.7	7177.8	6964.3
75°	373.1	395.9	434.2	451.9	546.2	951.4	2263.4	4440.8	6049.2	6142.5
77.5°	277.7	278.8	331.6	352.4	389.7	506.8	957.6	2479.0	3755.8	3943.3
80°	235.3	222.8	221.8	284.0	293.3	316.1	428.0	856.0	1345.2	815.6
82.5°	195.9	182.4	164.8	221.8	200.0	193.8	185.5	348.2	428.0	210.4
85°	136.8	130.6	124.4	145.1	114.0	97.4	89.1	162.7	180.3	89.1
87.5°	59.1	61.1	62.2	64.3	47.7	34.2	34.2	45.6	45.6	35.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2174.3
2187.8
2240.6
2330.8
2436.5
2541.1
2652.0
2736.0
2804.4
2868.6
2941.2
3016.8
3100.8
3226.2
3375.4
3551.6
3768.2
3998.3
4240.8
4510.2
4782.8
5048.1
5316.5
5582.9
5830.6
6020.2
6211.9
6437.9
6656.5
6931.2
5916.6
3517.4
616.6
179.3
78.8
25.9
0.0

OF REPORT)