

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: P950441

Luminaire Tested: **GALN-SB4D-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950441
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-SB4D-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25563 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

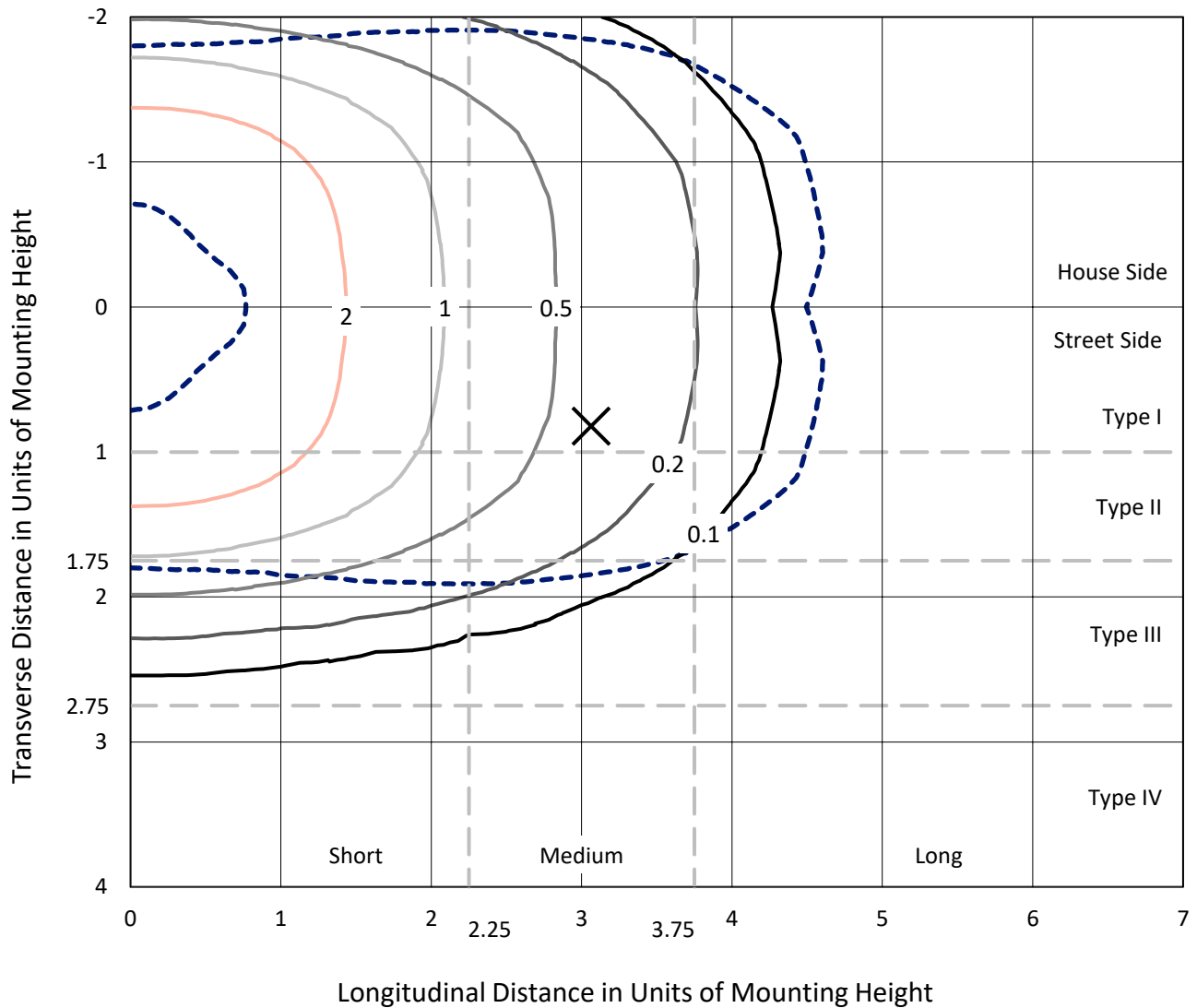
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

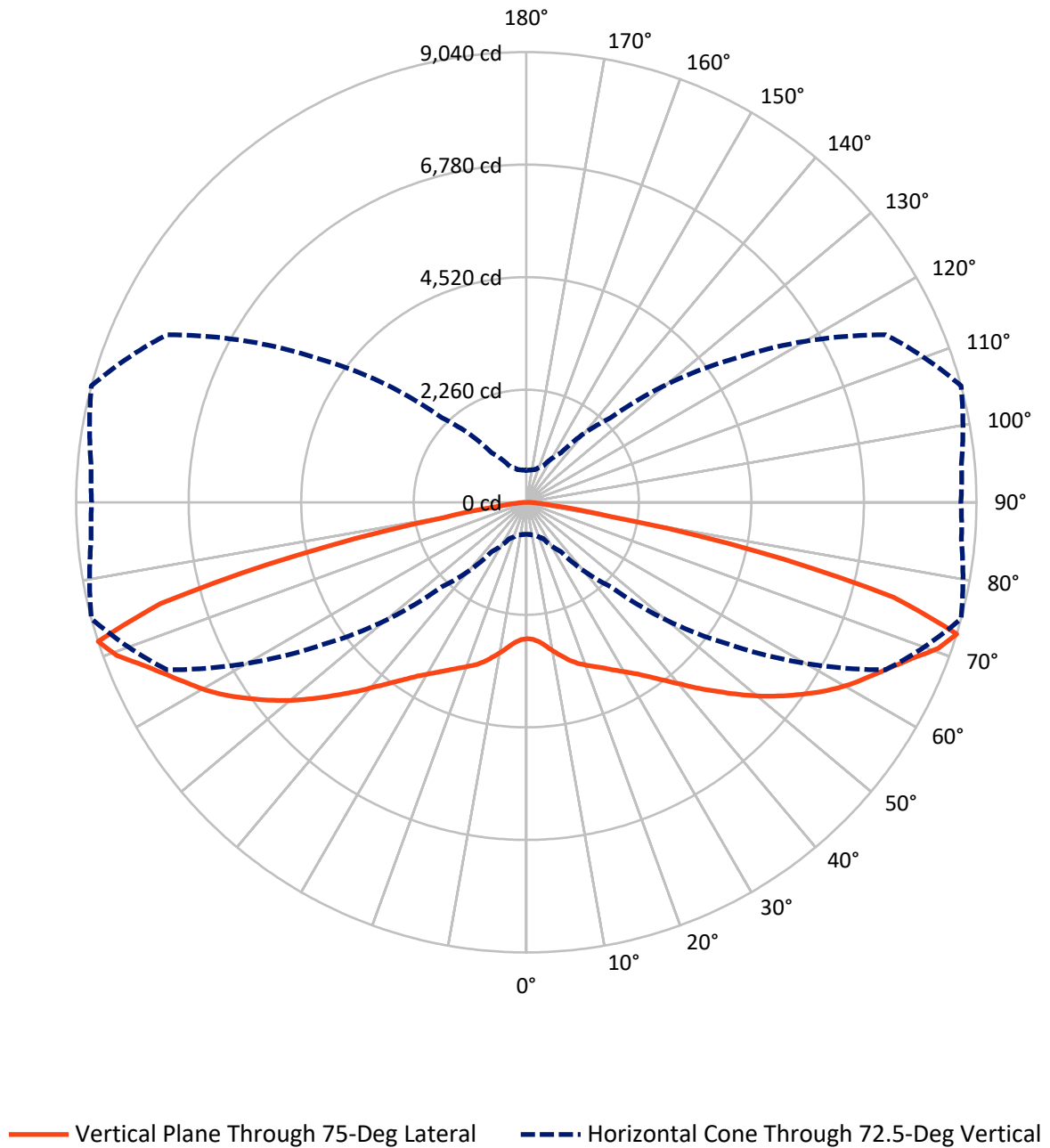
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	12781.5	0.0	12781.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12781.5	0.0	12781.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25563.0	0.0	25563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	1.0
10°-20°	884.7	3.5
20°-30°	1709.5	6.7
30°-40°	2886.6	11.3
40°-50°	4577.8	17.9
50°-60°	6129.1	24.0
60°-70°	5833.0	22.8
70°-80°	3043.7	11.9
80°-90°	230.4	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°	25563.0	100.0
0°-180°	25563.0	100.0

Coefficient of Utilization



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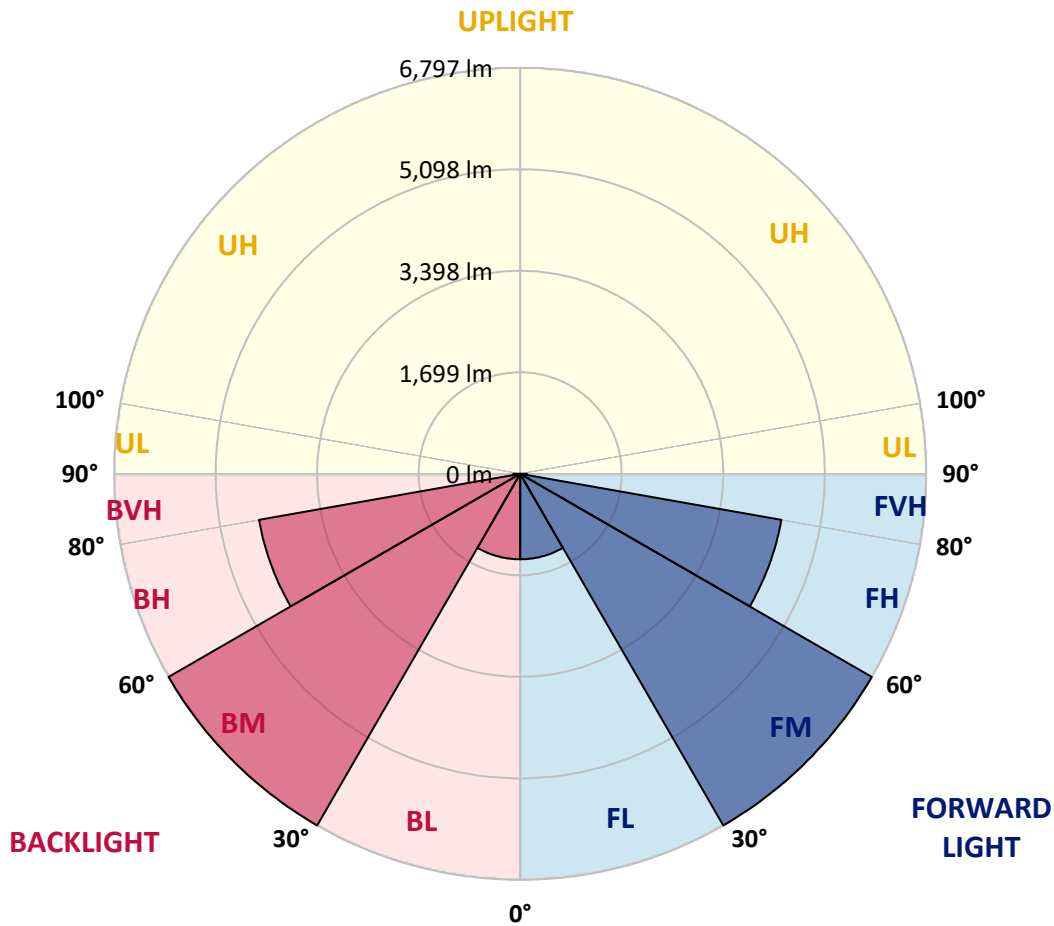
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1431.2	5.6			
FM (30°-60°)	6796.7	26.6			
FH (60°-80°)	4438.4	17.4			G2/5000
FVH (80°-90°)	115.2	0.5			G2/225
BL (0°-30°)	1431.2	5.6	B3/2500		
BM (30°-60°)	6796.7	26.6	B4/8500		
BH (60°-80°)	4438.4	17.4	B4/5000		G4/5000
BVH (80°-90°)	115.2	0.5			G2/225
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°	2738.3	2738.3	2738.3	2738.3	2738.3	2738.3	2738.3	2738.3	2738.3	2738.3
2.5°	2738.3	2735.6	2738.3	2740.9	2739.6	2739.6	2746.1	2750.0	2757.8	2756.5
5°	2720.0	2718.7	2729.1	2740.9	2750.0	2765.7	2785.2	2799.6	2817.9	2821.8
7.5°	2710.8	2706.9	2725.2	2746.1	2774.8	2814.0	2851.8	2891.0	2922.3	2932.7
10°	2717.4	2718.7	2743.5	2782.6	2828.3	2883.1	2936.6	3003.2	3047.6	3058.0
12.5°	2747.4	2744.8	2786.5	2849.2	2911.8	2981.0	3043.7	3116.8	3165.0	3189.8
15°	2802.2	2797.0	2855.7	2948.4	3039.8	3120.7	3171.6	3240.7	3296.9	3328.2
17.5°	2867.5	2870.1	2947.1	3067.2	3187.2	3278.6	3326.9	3362.1	3405.2	3432.6
20°	2982.3	2987.5	3073.7	3215.9	3353.0	3457.4	3496.6	3483.5	3495.3	3516.1
22.5°	3136.3	3138.9	3235.5	3389.5	3533.1	3648.0	3674.1	3620.6	3587.9	3602.3
25°	3315.1	3332.1	3428.7	3586.6	3734.1	3843.7	3855.5	3774.6	3693.6	3697.6
27.5°	3533.1	3548.8	3646.7	3803.3	3953.4	4048.6	4047.3	3939.0	3820.2	3790.2
30°	3769.3	3786.3	3886.8	4048.6	4188.3	4271.8	4253.6	4124.3	3954.7	3898.6
32.5°	4050.0	4060.4	4162.2	4324.0	4453.3	4519.8	4482.0	4322.7	4111.3	4047.3
35°	4389.3	4405.0	4480.7	4633.4	4746.9	4801.7	4737.8	4549.8	4312.3	4240.5
37.5°	4776.9	4766.5	4852.6	4988.4	5082.3	5116.3	5028.8	4805.7	4542.0	4457.2
40°	5181.5	5176.3	5270.3	5400.8	5451.7	5472.6	5343.4	5099.3	4807.0	4715.6
42.5°	5548.3	5544.4	5671.0	5815.9	5877.2	5853.7	5690.6	5411.3	5113.7	5009.3
45°	5842.0	5836.7	5992.1	6195.7	6315.7	6276.6	6057.3	5755.8	5424.3	5316.0
47.5°	6067.8	6070.4	6237.4	6489.3	6699.5	6713.8	6431.9	6106.9	5766.3	5643.6
50°	6230.9	6238.7	6417.5	6696.8	6984.0	7110.6	6814.3	6467.1	6120.0	5981.6
52.5°	6271.4	6285.7	6501.1	6828.7	7166.7	7408.2	7203.3	6813.0	6455.4	6323.6
55°	6056.0	6084.7	6357.5	6818.2	7279.0	7603.9	7545.2	7164.1	6793.4	6657.7
57.5°	5561.3	5601.8	5920.3	6522.0	7254.2	7738.4	7810.2	7500.8	7131.5	7001.0
60°	4868.3	4916.6	5222.0	5878.5	6904.4	7788.0	7996.8	7828.4	7442.1	7315.5
62.5°	3822.9	3885.5	4251.0	5021.0	6165.6	7557.0	8156.0	8124.7	7721.4	7563.5
65°	2452.4	2519.0	2904.0	3813.7	5180.2	6849.6	8205.6	8413.2	8016.4	7795.8
67.5°	1478.8	1508.8	1699.3	2311.5	3786.3	5783.2	7785.4	8732.9	8360.9	8086.9
70°	946.3	963.2	1076.8	1357.4	2140.5	4219.6	6743.8	8793.0	8778.6	8385.7
72.5°	642.1	647.4	677.4	804.0	1211.2	2397.6	4974.0	7960.3	9039.6	8770.8
75°	469.9	498.6	546.9	569.1	687.8	1198.1	2850.5	5592.7	7618.3	7735.8
77.5°	349.8	351.1	417.7	443.8	490.7	638.2	1206.0	3122.0	4730.0	4966.2
80°	296.3	280.6	279.3	357.6	369.4	398.1	539.0	1078.1	1694.1	1027.2
82.5°	246.7	229.7	207.5	279.3	251.9	244.1	233.6	438.5	539.0	265.0
85°	172.3	164.5	156.6	182.7	143.6	122.7	112.2	204.9	227.1	112.2
87.5°	74.4	77.0	78.3	80.9	60.0	43.1	43.1	57.4	57.4	44.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2738.3
2755.2
2821.8
2935.3
3068.5
3200.3
3339.9
3445.7
3531.8
3612.7
3704.1
3799.4
3905.1
4063.0
4251.0
4472.8
4745.6
5035.4
5340.8
5680.1
6023.4
6357.5
6695.5
7031.0
7342.9
7581.8
7823.2
8107.7
8383.1
8729.0
7451.2
4429.8
776.6
225.8
99.2
32.6
0.0

OF REPORT)