

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: P942060

Luminaire Tested: **GALN-SB5D-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31649 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

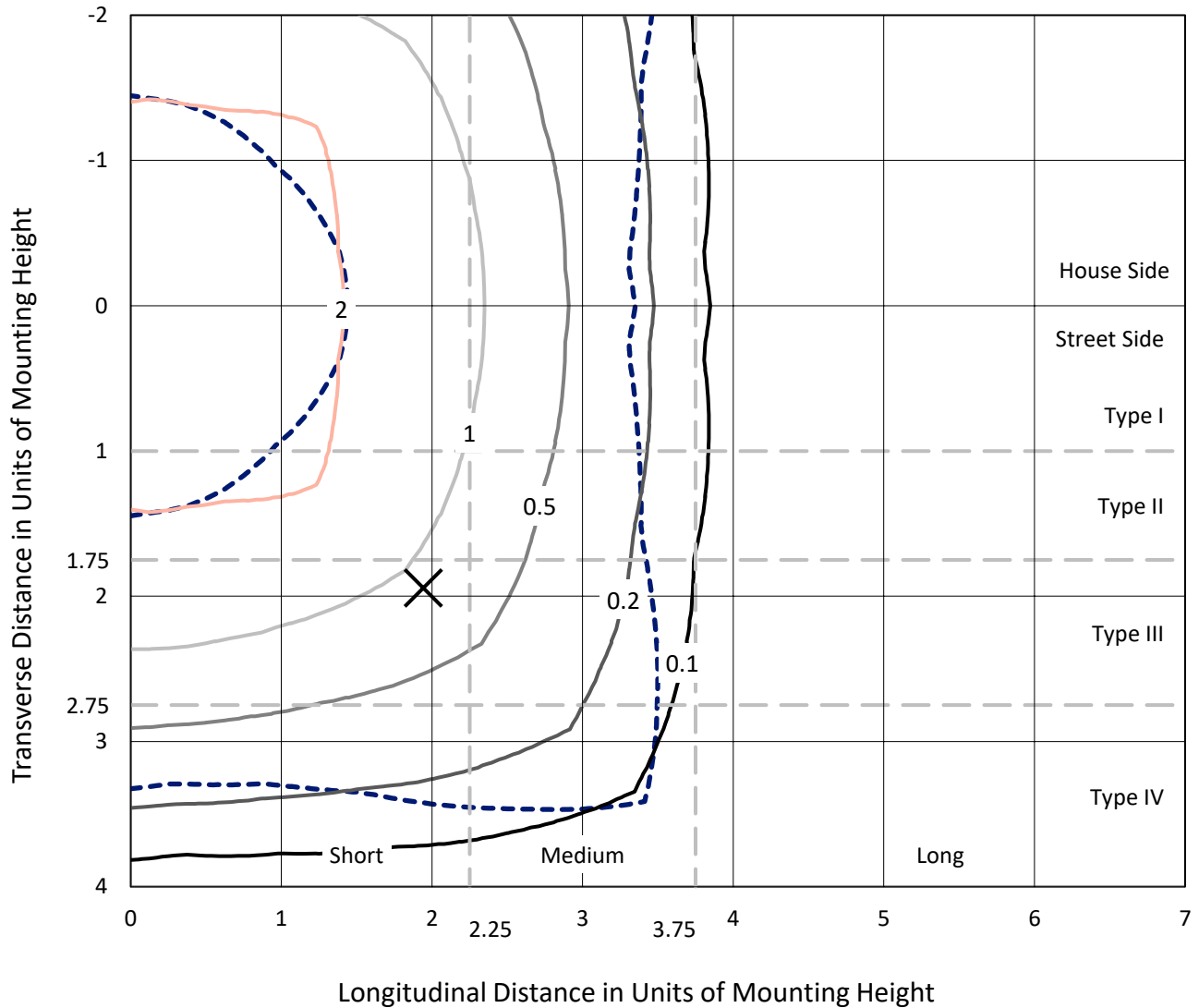
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

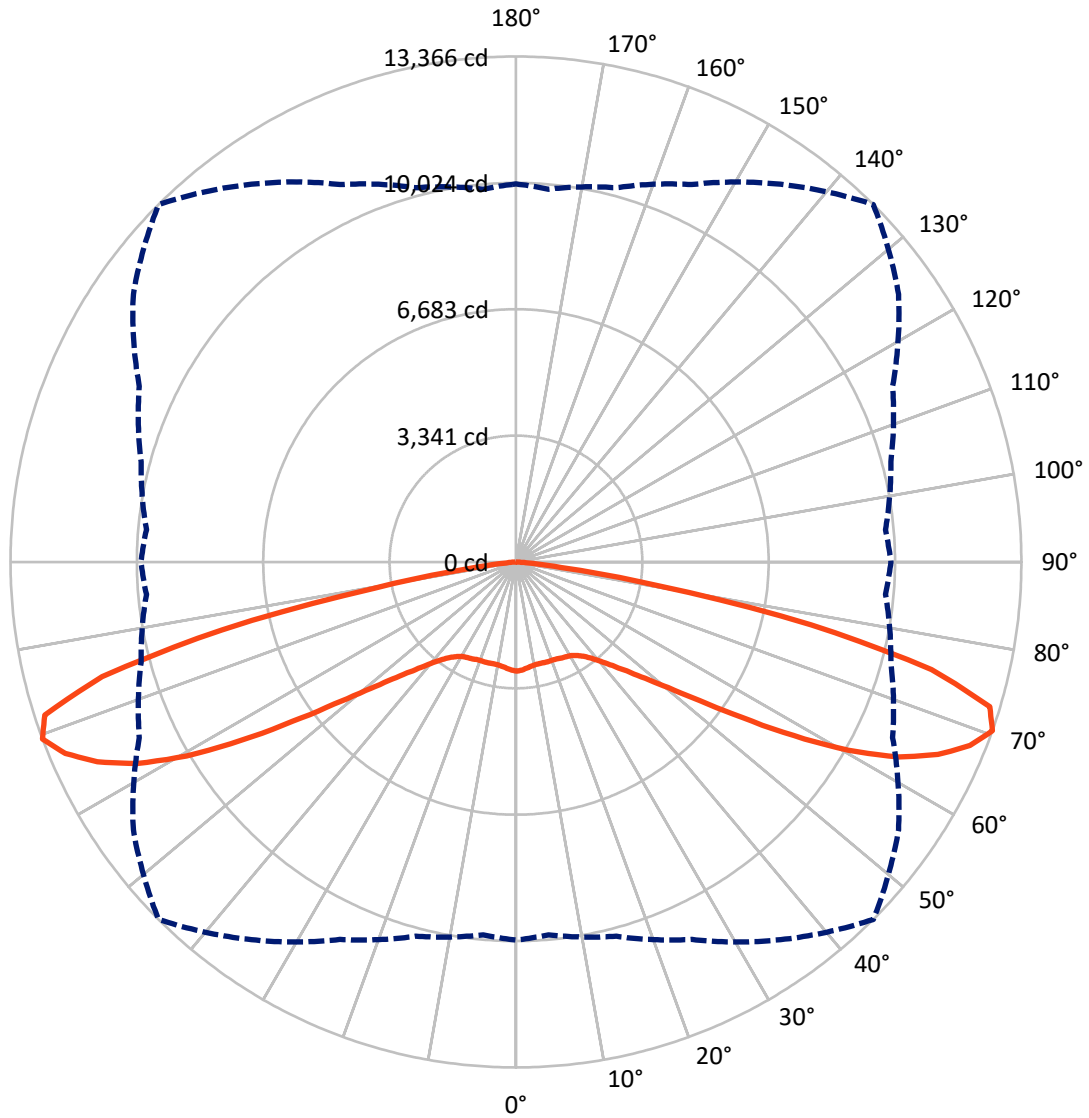
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15824.5	0.0	15824.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15824.5	0.0	15824.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31649.0	0.0	31649.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.6	0.8
10°-20°	788.6	2.5
20°-30°	1312.3	4.1
30°-40°	1984.6	6.3
40°-50°	3297.9	10.4
50°-60°	6223.0	19.7
60°-70°	10507.8	33.2
70°-80°	6904.7	21.8
80°-90°	361.7	1.1
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°	31649.0	100.0
0°-180°	31649.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942060

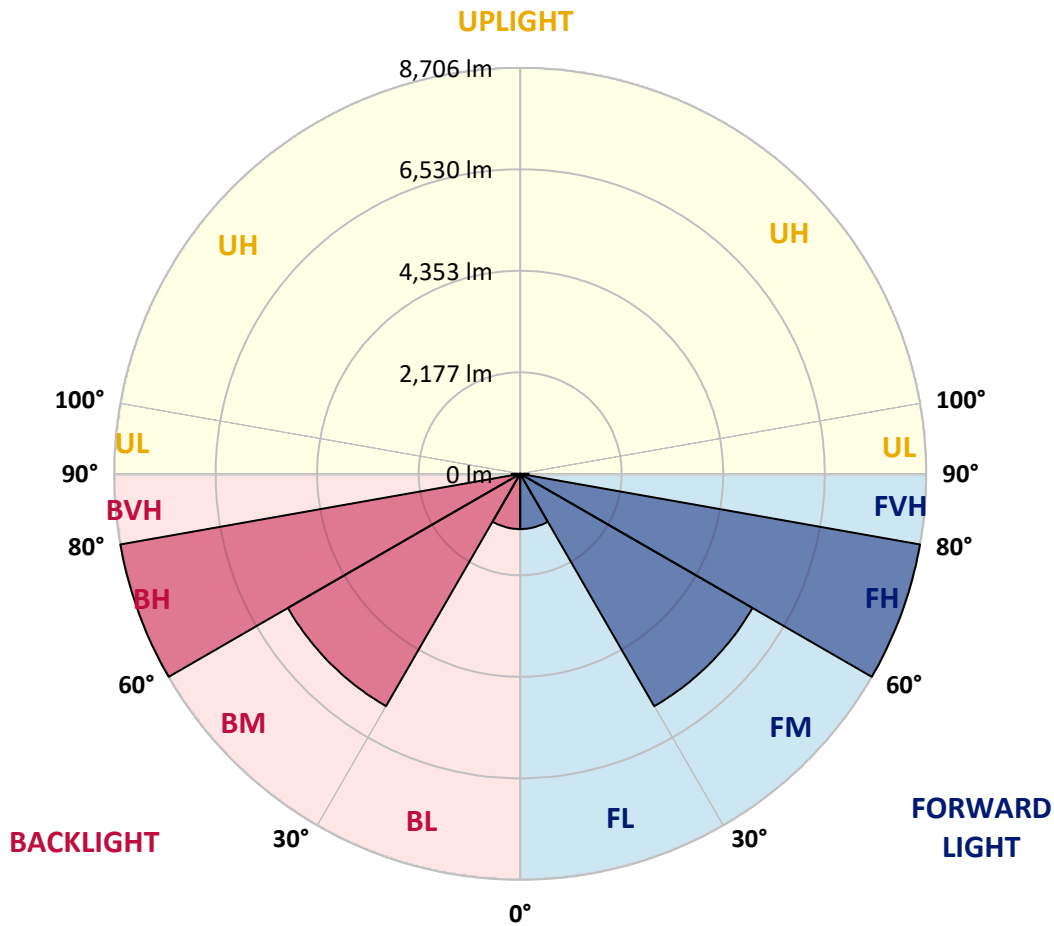
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1184.7	3.7			
FM (30°-60°)	5752.7	18.2			
FH (60°-80°)	8706.2	27.5			G4/12000
FVH (80°-90°)	180.9	0.6			G2/225
BL (0°-30°)	1184.7	3.7	B3/2500		
BM (30°-60°)	5752.7	18.2	B4/8500		
BH (60°-80°)	8706.2	27.5	B5		G4/12000
BVH (80°-90°)	180.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0
2.5°	2868.9	2877.2	2873.9	2867.3	2867.3	2862.4	2867.3	2870.6	2875.5	2878.8
5°	2831.1	2837.7	2836.0	2831.1	2832.7	2827.8	2831.1	2836.0	2839.3	2841.0
7.5°	2798.2	2804.8	2801.5	2793.3	2793.3	2788.3	2790.0	2794.9	2799.8	2801.5
10°	2790.0	2796.5	2786.7	2773.5	2768.6	2762.0	2763.6	2768.6	2778.5	2783.4
12.5°	2793.3	2798.2	2788.3	2768.6	2763.6	2757.1	2757.1	2762.0	2775.2	2781.7
15°	2803.1	2808.1	2793.3	2771.9	2766.9	2762.0	2760.4	2766.9	2781.7	2793.3
17.5°	2821.2	2826.2	2803.1	2773.5	2766.9	2768.6	2766.9	2771.9	2794.9	2816.3
20°	2837.7	2841.0	2809.7	2773.5	2766.9	2768.6	2766.9	2776.8	2806.4	2836.0
22.5°	2842.6	2845.9	2816.3	2785.0	2780.1	2781.7	2780.1	2790.0	2817.9	2847.5
25°	2844.3	2849.2	2826.2	2801.5	2809.7	2813.0	2809.7	2811.4	2832.7	2859.1
27.5°	2868.9	2875.5	2854.1	2832.7	2837.7	2836.0	2841.0	2845.9	2862.4	2888.7
30°	2919.9	2924.9	2906.8	2885.4	2882.1	2870.6	2885.4	2901.8	2919.9	2943.0
32.5°	3003.8	3013.7	2990.7	2967.6	2952.8	2946.2	2957.8	2985.7	3010.4	3035.1
35°	3143.7	3150.2	3128.8	3086.1	3059.8	3059.8	3069.6	3105.8	3145.3	3176.6
37.5°	3341.1	3349.3	3311.4	3260.4	3221.0	3221.0	3234.1	3272.0	3331.2	3375.6
40°	3581.2	3592.7	3545.0	3492.4	3454.6	3448.0	3464.4	3507.2	3563.1	3619.1
42.5°	3870.8	3883.9	3821.4	3775.3	3745.7	3745.7	3754.0	3793.4	3844.4	3913.5
45°	4240.9	4263.9	4178.4	4132.3	4104.3	4110.9	4115.9	4150.4	4196.5	4275.4
47.5°	4681.8	4704.8	4614.3	4566.6	4561.7	4592.9	4573.2	4597.9	4622.5	4713.0
50°	5181.8	5221.3	5158.8	5155.5	5165.4	5223.0	5176.9	5190.1	5162.1	5219.7
52.5°	5793.8	5851.4	5839.9	5859.6	5969.8	6088.3	5983.0	5936.9	5831.6	5849.7
55°	6535.7	6622.9	6639.3	6757.8	7007.8	7249.6	7025.9	6840.0	6616.3	6575.2
57.5°	7379.6	7448.7	7527.7	7769.5	8236.7	8666.0	8236.7	7825.4	7473.4	7389.5
60°	8287.7	8373.2	8448.9	8805.8	9500.0	10103.8	9486.9	8833.8	8368.3	8254.8
62.5°	9263.2	9373.4	9426.0	9822.5	10631.8	11352.3	10643.3	9852.1	9335.5	9213.8
65°	10199.2	10289.7	10348.9	10771.7	11544.8	12267.0	11597.5	10817.7	10286.4	10126.8
67.5°	10635.1	10684.5	10829.2	11307.9	12123.9	12948.0	12262.0	11358.9	10765.1	10485.4
70°	9996.8	9896.5	10245.2	11011.8	12193.0	13365.9	12350.9	10988.8	10261.7	9807.7
72.5°	7725.1	7552.3	8157.7	9468.8	11403.3	13099.4	11482.3	9542.8	8534.4	7613.2
75°	4203.0	4007.3	4843.0	6501.2	9093.7	11354.0	9302.6	6687.0	5392.4	4171.8
77.5°	1186.1	1112.0	1786.5	3145.3	5469.7	7971.8	5680.3	3214.4	2118.8	1256.8
80°	363.6	352.0	477.1	947.5	2322.8	3818.1	2232.3	959.1	607.0	383.3
82.5°	215.5	197.4	236.9	345.5	592.2	1199.2	575.8	360.3	289.5	194.1
85°	123.4	115.2	139.8	167.8	199.0	255.0	166.1	171.1	154.6	103.6
87.5°	51.0	46.1	54.3	52.6	46.1	59.2	44.4	52.6	62.5	41.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2887.0
2877.2
2841.0
2801.5
2783.4
2783.4
2794.9
2816.3
2837.7
2847.5
2857.4
2882.1
2938.0
3025.2
3165.0
3359.1
3601.0
3908.6
4272.1
4686.7
5185.1
5788.9
6511.0
7330.2
8156.1
9115.1
10047.8
10488.7
9916.2
7841.9
4443.2
1396.6
404.7
210.6
108.6
37.8
0.0

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