

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: P950483

Luminaire Tested: **GALN-SB4D-935-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950483
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-935-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29215 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

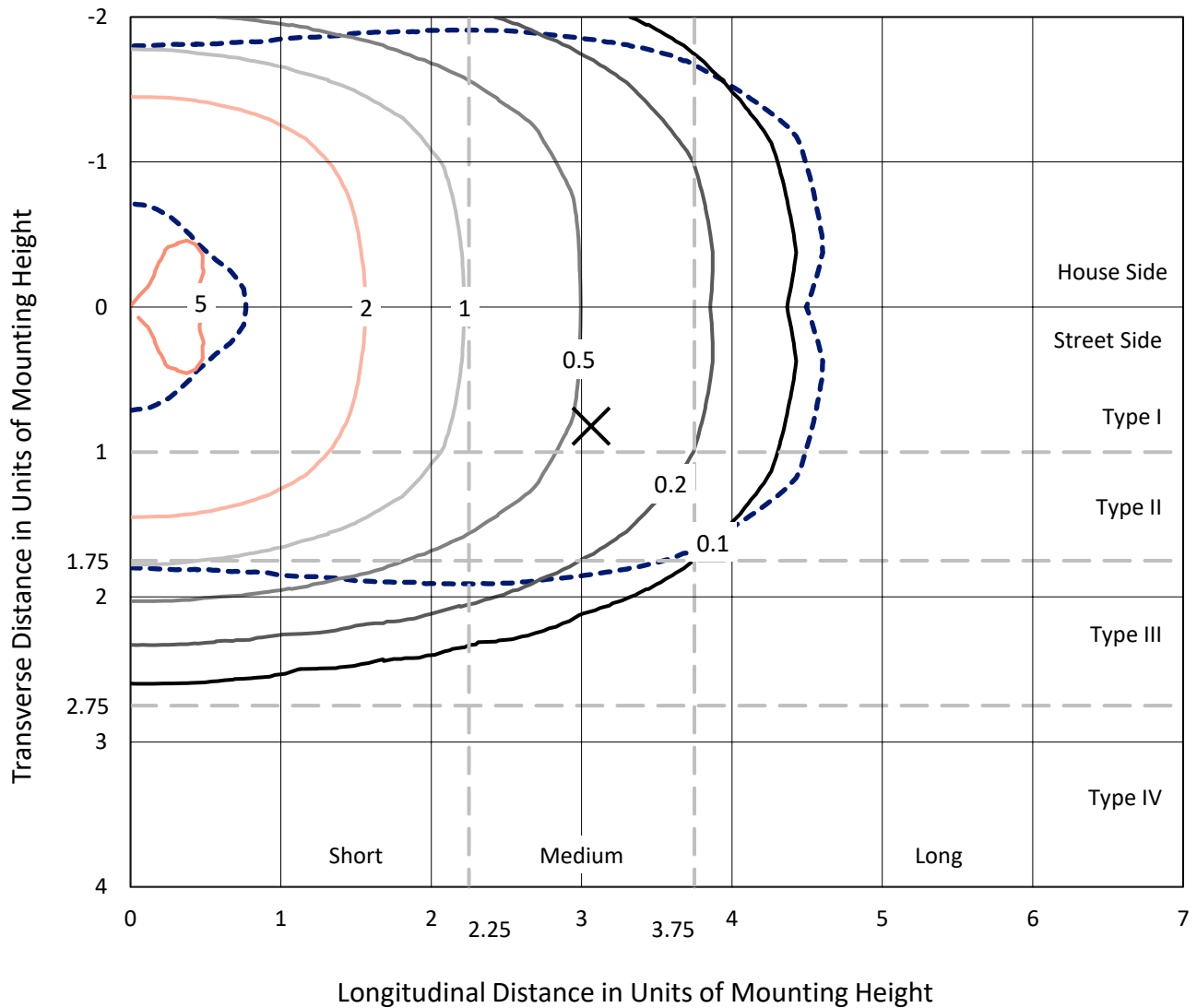
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

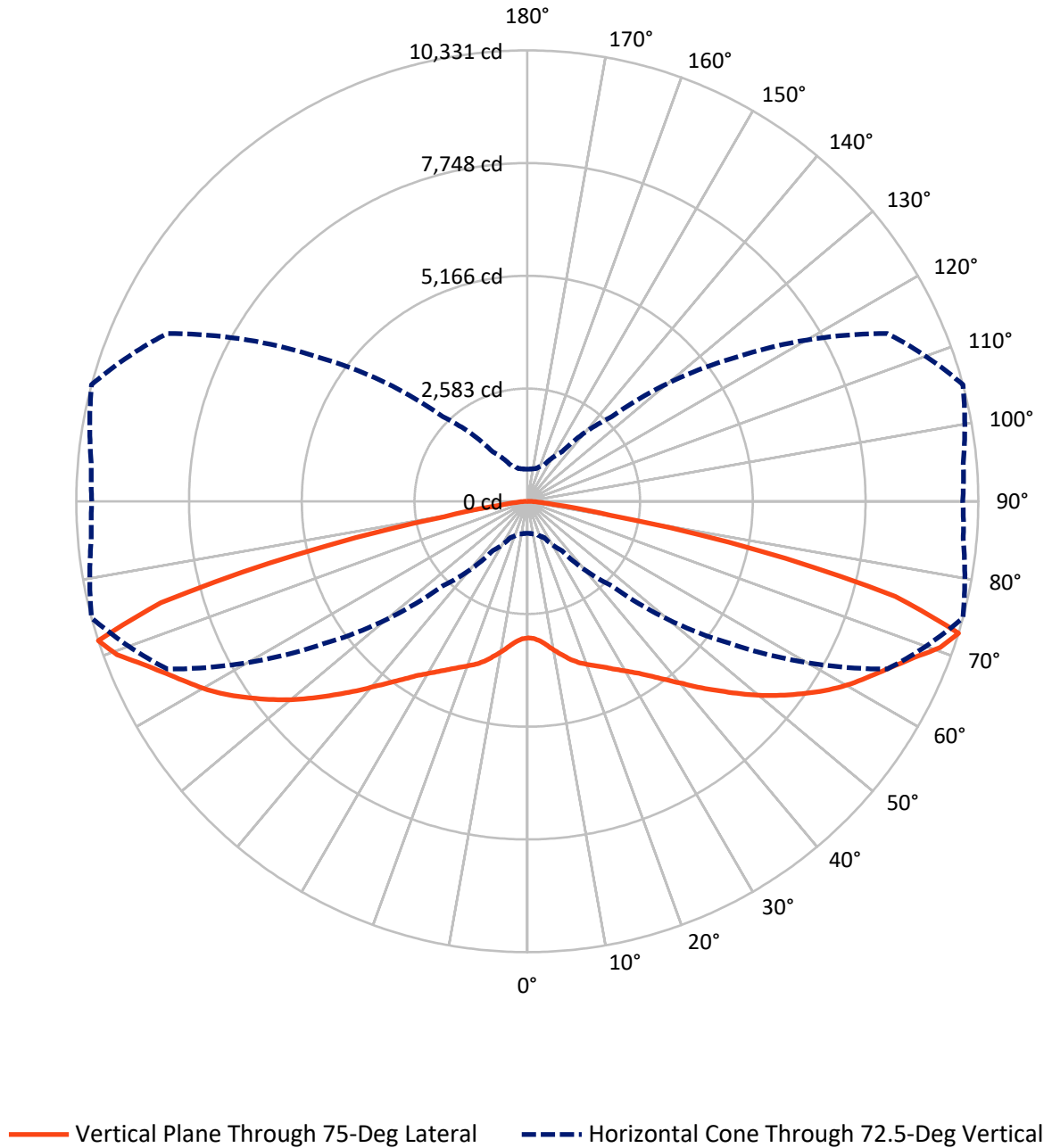
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	14607.5	0.0	14607.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14607.5	0.0	14607.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29215.0	0.0	29215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.6	1.0
10°-20°	1011.1	3.5
20°-30°	1953.7	6.7
30°-40°	3299.0	11.3
40°-50°	5231.8	17.9
50°-60°	7004.7	24.0
60°-70°	6666.3	22.8
70°-80°	3478.6	11.9
80°-90°	263.3	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°	29215.0	100.0
0°-180°	29215.0	100.0

Coefficient of Utilization

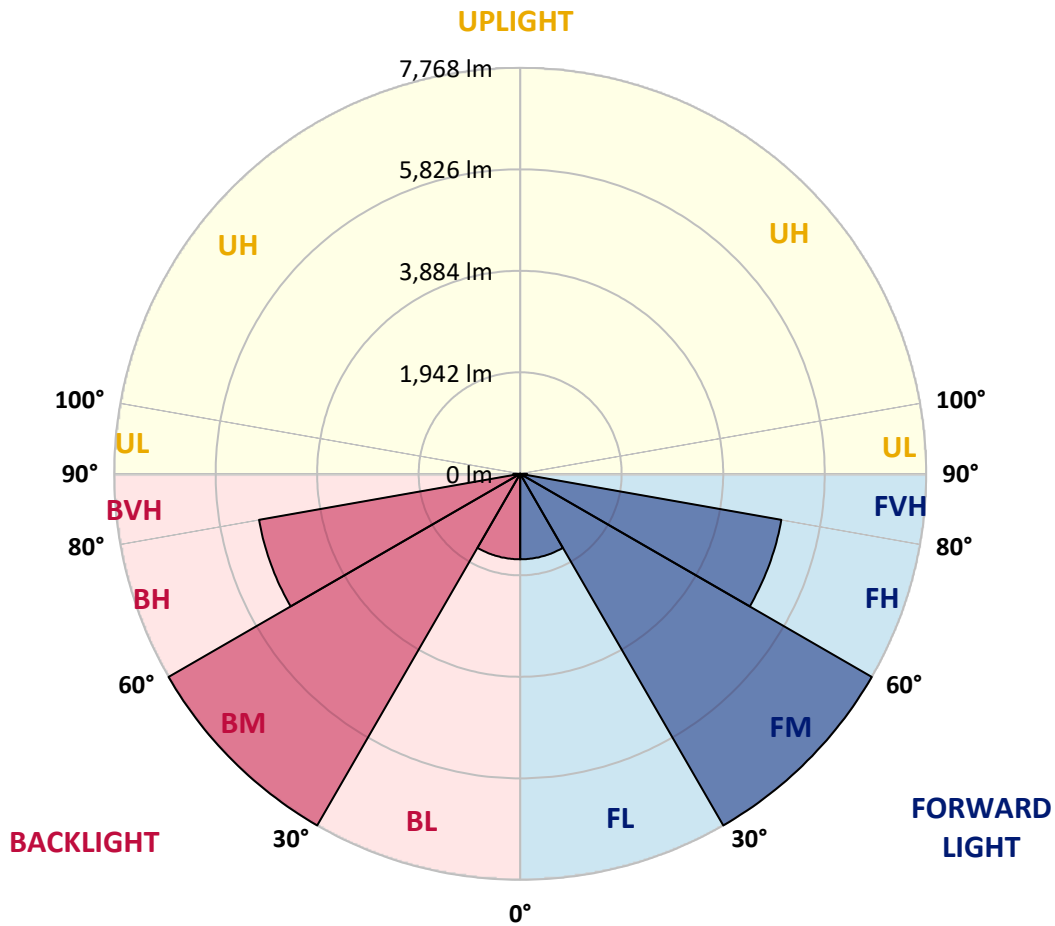


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1635.7	5.6			
FM (30°-60°)	7767.7	26.6			
FH (60°-80°)	5072.4	17.4			G3/7500
FVH (80°-90°)	131.7	0.5			G2/225
BL (0°-30°)	1635.7	5.6	B3/2500		
BM (30°-60°)	7767.7	26.6	B4/8500		
BH (60°-80°)	5072.4	17.4	B5		G5
BVH (80°-90°)	131.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3129.4	3129.4	3129.4	3129.4	3129.4	3129.4	3129.4	3129.4	3129.4	3129.4
2.5°	3129.4	3126.5	3129.4	3132.4	3130.9	3130.9	3138.4	3142.9	3151.8	3150.3
5°	3108.6	3107.1	3119.0	3132.4	3142.9	3160.8	3183.1	3199.6	3220.4	3224.9
7.5°	3098.1	3093.7	3114.5	3138.4	3171.2	3216.0	3259.2	3304.0	3339.8	3351.7
10°	3105.6	3107.1	3135.4	3180.2	3232.4	3295.0	3356.2	3432.3	3483.0	3494.9
12.5°	3139.9	3136.9	3184.6	3256.2	3327.8	3406.9	3478.5	3562.0	3617.2	3645.6
15°	3202.5	3196.6	3263.7	3369.6	3474.0	3566.5	3624.7	3703.7	3767.9	3803.7
17.5°	3277.1	3280.1	3368.1	3505.3	3642.6	3747.0	3802.2	3842.5	3891.7	3923.0
20°	3408.4	3414.4	3512.8	3675.4	3832.0	3951.3	3996.1	3981.2	3994.6	4018.5
22.5°	3584.4	3587.4	3697.8	3873.8	4037.9	4169.1	4199.0	4137.8	4100.5	4116.9
25°	3788.8	3808.1	3918.5	4099.0	4267.6	4392.9	4406.3	4313.8	4221.3	4225.8
27.5°	4037.9	4055.8	4167.6	4346.6	4518.2	4627.1	4625.6	4501.8	4366.0	4331.7
30°	4307.8	4327.2	4442.1	4627.1	4786.7	4882.1	4861.2	4713.6	4519.7	4455.5
32.5°	4628.5	4640.5	4756.8	4941.8	5089.5	5165.5	5122.3	4940.3	4698.6	4625.6
35°	5016.4	5034.3	5120.8	5295.3	5425.1	5487.7	5414.6	5199.8	4928.4	4846.3
37.5°	5459.4	5447.4	5545.9	5701.0	5808.4	5847.2	5747.3	5492.2	5190.9	5093.9
40°	5921.8	5915.8	6023.2	6172.4	6230.6	6254.4	6106.8	5827.8	5493.7	5389.3
42.5°	6340.9	6336.5	6481.2	6646.7	6716.8	6690.0	6503.5	6184.3	5844.2	5724.9
45°	6676.6	6670.6	6848.1	7080.8	7218.0	7173.3	6922.7	6578.1	6199.2	6075.4
47.5°	6934.6	6937.6	7128.5	7416.4	7656.6	7673.0	7350.8	6979.4	6590.0	6449.8
50°	7121.1	7130.0	7334.4	7653.6	7981.7	8126.4	7787.8	7391.0	6994.3	6836.2
52.5°	7167.3	7183.7	7429.8	7804.2	8190.6	8466.5	8232.3	7786.3	7377.6	7227.0
55°	6921.2	6954.0	7265.8	7792.3	8318.8	8690.3	8623.1	8187.6	7764.0	7608.8
57.5°	6355.9	6402.1	6766.1	7453.7	8290.5	8843.9	8925.9	8572.4	8150.3	8001.1
60°	5563.8	5619.0	5968.0	6718.3	7890.7	8900.6	9139.2	8946.8	8505.3	8360.6
62.5°	4369.0	4440.6	4858.3	5738.3	7046.5	8636.6	9321.2	9285.4	8824.5	8644.0
65°	2802.8	2878.9	3318.9	4358.6	5920.3	7828.1	9377.9	9615.1	9161.6	8909.5
67.5°	1690.0	1724.3	1942.1	2641.7	4327.2	6609.4	8897.6	9980.5	9555.4	9242.2
70°	1081.4	1100.8	1230.6	1551.3	2446.3	4822.5	7707.3	10049.1	10032.7	9583.8
72.5°	733.9	739.9	774.2	918.8	1384.2	2740.1	5684.6	9097.5	10331.1	10023.8
75°	537.0	569.8	625.0	650.4	786.1	1369.3	3257.7	6391.7	8706.7	8840.9
77.5°	399.8	401.2	477.3	507.2	560.9	729.4	1378.3	3568.0	5405.7	5675.7
80°	338.6	320.7	319.2	408.7	422.1	454.9	616.0	1232.1	1936.1	1173.9
82.5°	281.9	262.5	237.2	319.2	287.9	278.9	267.0	501.2	616.0	302.8
85°	196.9	187.9	179.0	208.8	164.1	140.2	128.3	234.2	259.5	128.3
87.5°	85.0	88.0	89.5	92.5	68.6	49.2	49.2	65.6	65.6	50.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3129.4
3148.8
3224.9
3354.7
3506.8
3657.5
3817.1
3937.9
4036.4
4128.8
4233.3
4342.1
4463.0
4643.5
4858.3
5111.8
5423.6
5754.7
6103.8
6491.6
6883.9
7265.8
7652.1
8035.4
8391.9
8664.9
8940.9
9266.0
9580.8
9976.1
8515.7
5062.6
887.5
258.1
113.4
37.3
0.0

OF REPORT)