

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: P951865

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32768 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

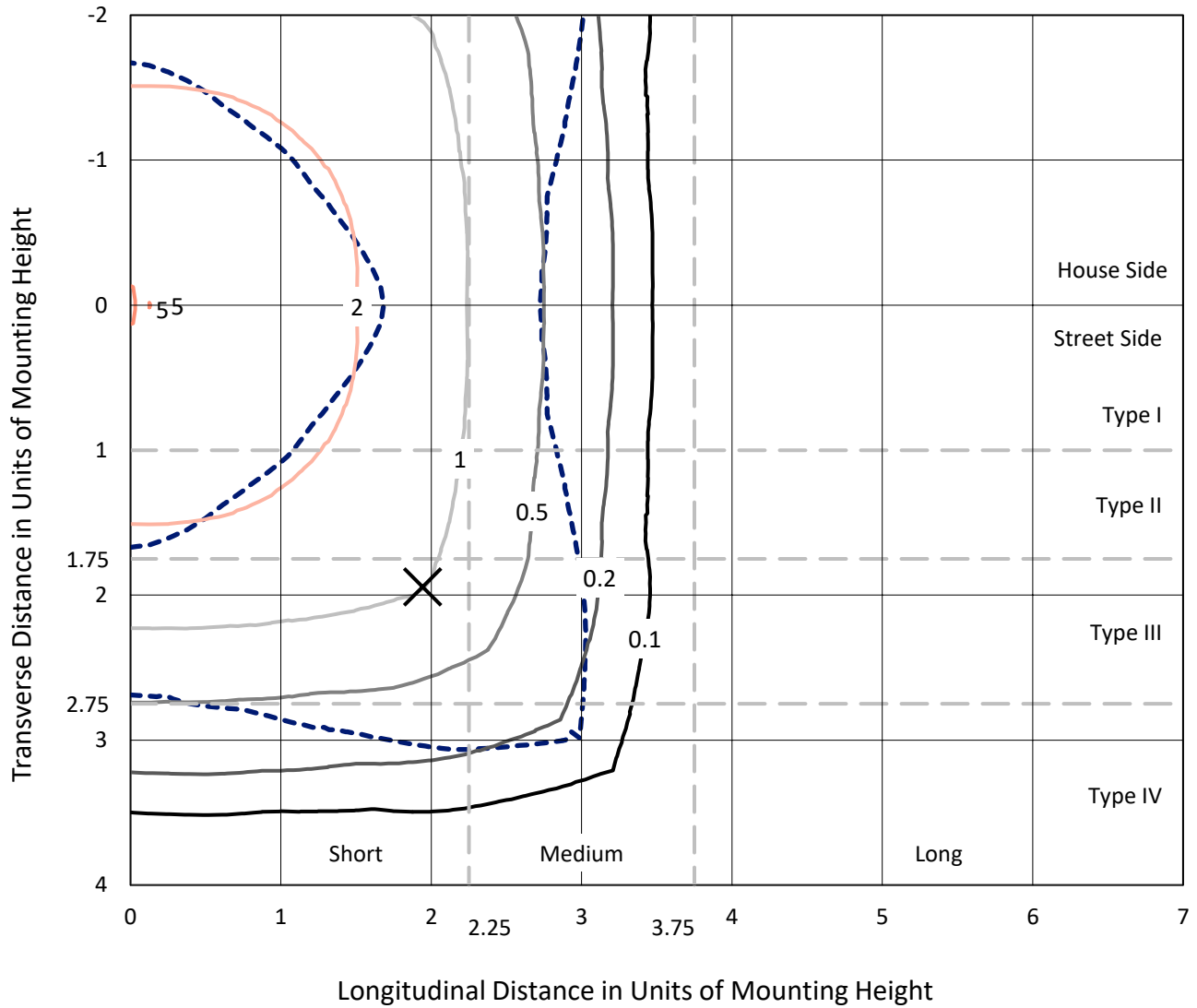
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

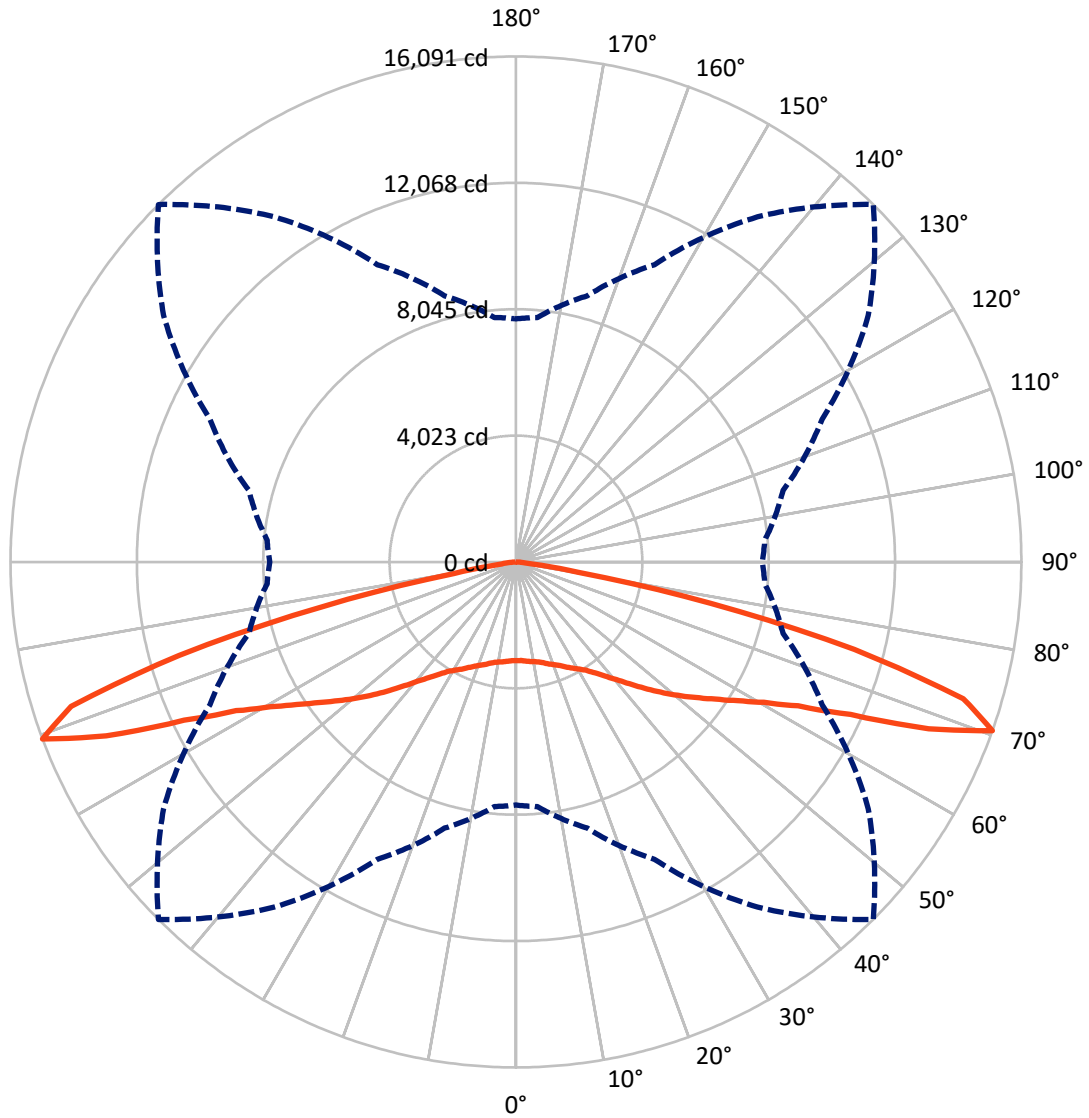
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	16384.0	0.0	16384.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16384.0	0.0	16384.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32768.0	0.0	32768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.9	0.9
10°-20°	945.6	2.9
20°-30°	1689.9	5.2
30°-40°	2739.2	8.4
40°-50°	4461.8	13.6
50°-60°	6802.7	20.8
60°-70°	10120.2	30.9
70°-80°	5515.9	16.8
80°-90°	187.8	0.6
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°	32768.0	100.0
0°-180°	32768.0	100.0

Coefficient of Utilization



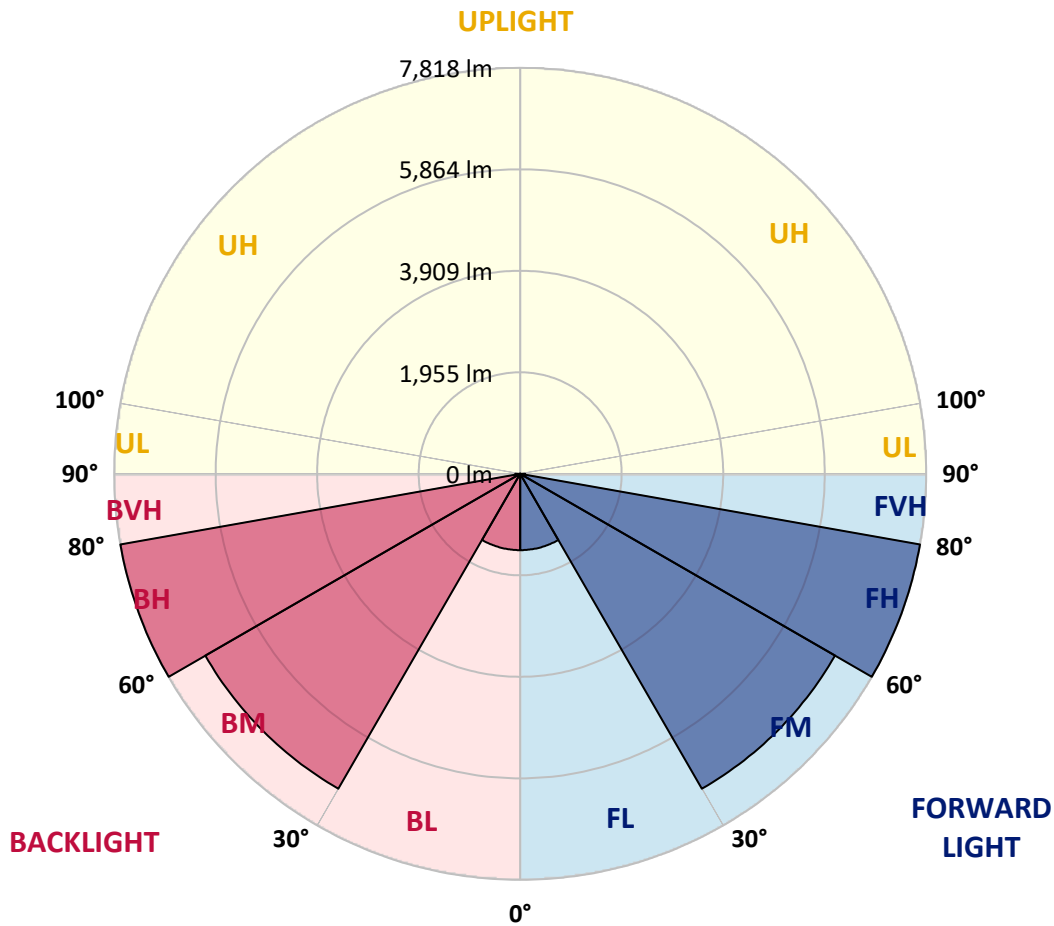
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1470.2	4.5			
FM (30°-60°)	7001.8	21.4			
FH (60°-80°)	7818.0	23.9			G4/12000
FVH (80°-90°)	93.9	0.3			G1/100
BL (0°-30°)	1470.2	4.5	B3/2500		
BM (30°-60°)	7001.8	21.4	B4/8500		
BH (60°-80°)	7818.0	23.9	B5		G4/12000
BVH (80°-90°)	93.9	0.3			G1/100
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°	3138.8	3138.8	3138.8	3138.8	3138.8	3138.8	3138.8	3138.8	3138.8	3138.8
2.5°	3153.6	3156.9	3150.4	3147.1	3143.8	3138.8	3140.5	3148.7	3155.3	3153.6
5°	3180.0	3183.3	3178.3	3176.7	3170.1	3168.4	3168.4	3176.7	3181.6	3178.3
7.5°	3209.6	3214.5	3206.3	3204.6	3201.3	3198.1	3196.4	3204.6	3209.6	3209.6
10°	3237.5	3242.5	3235.9	3231.0	3227.7	3227.7	3224.4	3231.0	3239.2	3237.5
12.5°	3267.2	3270.4	3263.9	3260.6	3260.6	3265.5	3260.6	3263.9	3270.4	3267.2
15°	3303.3	3305.0	3303.3	3308.3	3316.5	3333.0	3318.2	3314.9	3318.2	3309.9
17.5°	3352.7	3356.0	3362.6	3374.1	3385.6	3415.2	3388.9	3380.7	3380.7	3364.2
20°	3413.6	3418.5	3428.4	3448.1	3462.9	3490.9	3464.6	3453.0	3448.1	3426.7
22.5°	3477.7	3485.9	3500.8	3527.1	3553.4	3579.7	3553.4	3533.7	3518.9	3490.9
25°	3551.8	3561.6	3584.7	3627.4	3663.6	3701.5	3670.2	3630.7	3601.1	3561.6
27.5°	3657.0	3668.6	3696.5	3749.2	3795.2	3828.1	3798.5	3747.5	3706.4	3658.7
30°	3805.1	3816.6	3849.5	3905.4	3936.7	3958.1	3938.3	3898.9	3849.5	3795.2
32.5°	3995.9	4010.7	4046.9	4099.6	4106.1	4109.4	4102.9	4083.1	4046.9	3981.1
35°	4237.8	4254.2	4295.3	4338.1	4331.5	4338.1	4328.2	4321.7	4295.3	4219.7
37.5°	4533.9	4553.6	4596.4	4629.3	4612.8	4604.6	4606.3	4607.9	4593.1	4509.2
40°	4877.7	4904.0	4935.3	4969.8	4941.9	4917.2	4933.6	4946.8	4933.6	4848.1
42.5°	5231.4	5269.2	5302.1	5351.5	5328.5	5297.2	5320.2	5335.0	5307.1	5214.9
45°	5624.6	5660.8	5703.5	5777.6	5761.1	5728.2	5761.1	5764.4	5716.7	5608.1
47.5°	6030.9	6068.7	6132.9	6231.6	6225.0	6188.8	6231.6	6208.6	6147.7	6017.7
50°	6415.9	6468.5	6567.2	6705.4	6718.6	6674.1	6731.7	6687.3	6585.3	6422.4
52.5°	6777.8	6833.7	6990.0	7177.5	7225.2	7167.7	7245.0	7167.7	7014.7	6805.7
55°	7157.8	7220.3	7406.2	7651.3	7746.7	7704.0	7776.3	7659.5	7442.4	7189.1
57.5°	7605.3	7643.1	7865.2	8156.4	8317.6	8327.5	8360.4	8162.9	7899.7	7611.8
60°	8090.6	8143.2	8385.0	8733.8	8988.8	9071.0	9036.5	8743.7	8437.7	8107.0
62.5°	8712.4	8770.0	9059.5	9477.4	9880.4	10084.4	9949.5	9525.1	9146.7	8750.2
65°	9227.3	9291.5	9814.6	10559.8	11293.6	11703.2	11364.3	10582.9	9901.8	9342.5
67.5°	8853.9	8932.8	9753.7	11122.5	12946.9	14169.2	13009.4	11290.3	9956.1	9197.7
70°	7738.5	7812.5	8770.0	10443.0	13412.4	16090.6	13692.1	10750.7	8801.2	7952.4
72.5°	5137.6	5376.2	6345.1	8352.1	11976.3	14889.7	12094.7	8182.7	5886.1	5126.1
75°	1704.3	1895.1	2556.5	4329.9	8021.5	11135.6	7636.5	3831.4	2025.1	1457.6
77.5°	429.4	495.2	682.7	1238.8	3199.7	6340.2	2880.6	1011.7	551.1	385.0
80°	208.9	230.3	329.0	412.9	801.2	2015.2	751.8	388.2	259.9	200.7
82.5°	115.2	116.8	185.9	233.6	297.8	521.5	309.3	227.0	149.7	121.7
85°	70.7	69.1	98.7	125.0	125.0	185.9	148.1	125.0	85.5	75.7
87.5°	28.0	28.0	36.2	39.5	34.5	47.7	37.8	41.1	32.9	31.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3138.8
3155.3
3180.0
3209.6
3237.5
3265.5
3309.9
3364.2
3426.7
3489.2
3560.0
3657.0
3795.2
3982.8
4219.7
4509.2
4848.1
5221.5
5619.6
6009.5
6419.1
6786.0
7154.5
7572.4
8054.4
8681.1
9250.4
9084.2
7838.9
4960.0
1378.6
343.8
184.3
121.7
79.0
32.9
0.0

OF REPORT)