

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: P950185

Luminaire Tested: **GALN-SB4D-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950185
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-SB4D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35283 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - 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



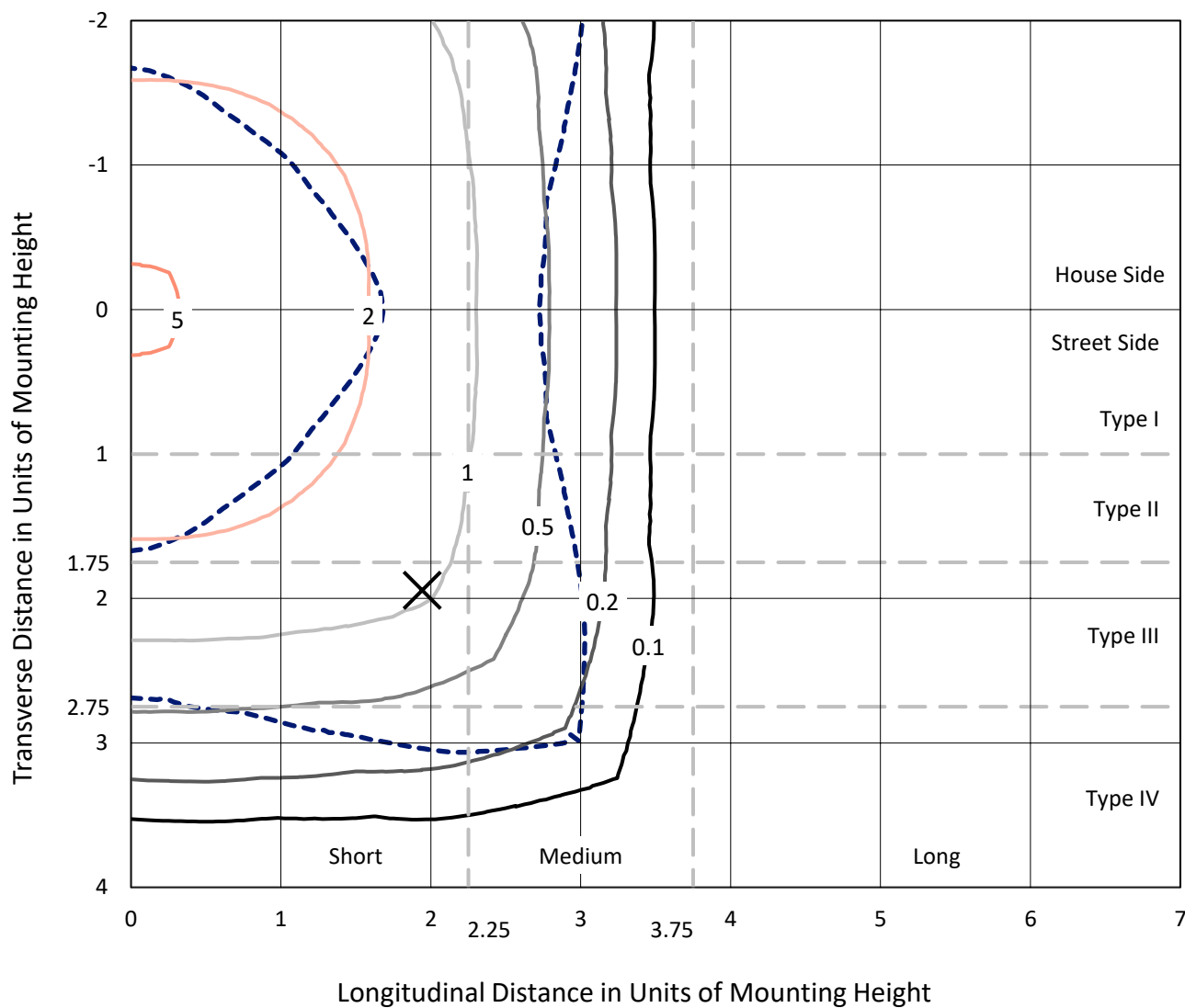
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

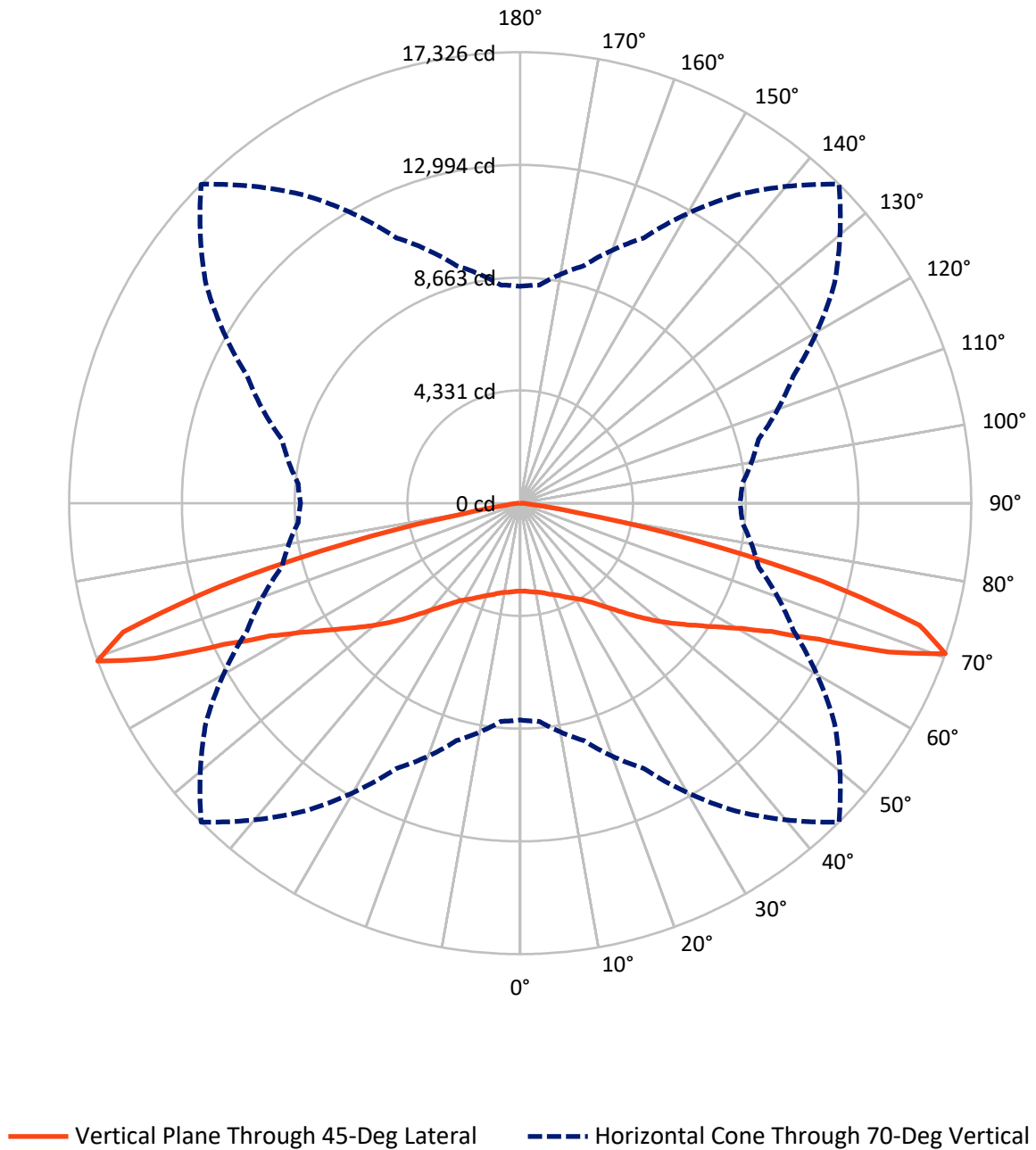


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17641.5	0.0	17641.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17641.5	0.0	17641.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35283.0	0.0	35283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.3	0.9
10°-20°	1018.2	2.9
20°-30°	1819.6	5.2
30°-40°	2949.5	8.4
40°-50°	4804.2	13.6
50°-60°	7324.8	20.8
60°-70°	10897.0	30.9
70°-80°	5939.2	16.8
80°-90°	202.2	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°	35283.0	100.0
0°-180°	35283.0	100.0

Coefficient of Utilization



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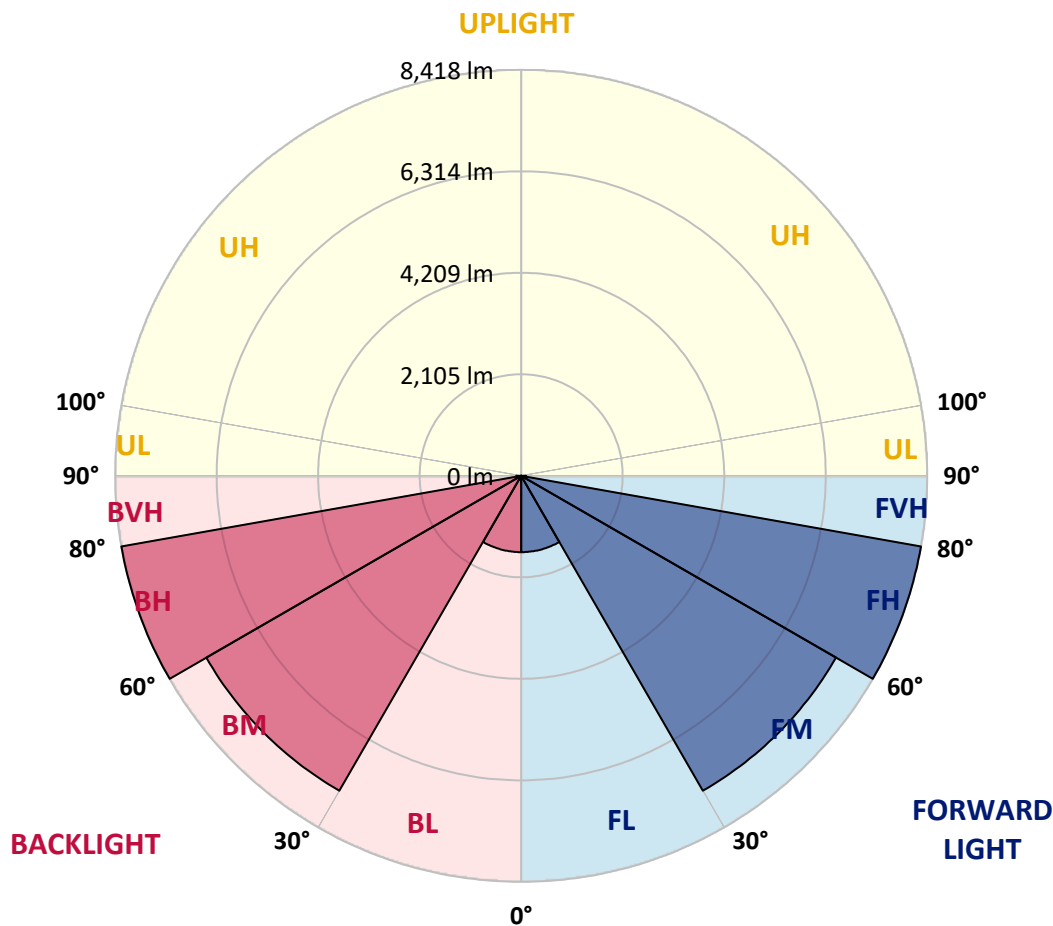
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1583.0	4.5			
FM	(30°-60°)	7539.3	21.4			
FH	(60°-80°)	8418.1	23.9			G4/12000
FVH	(80°-90°)	101.1	0.3			G2/225
BL	(0°-30°)	1583.0	4.5	B3/2500		
BM	(30°-60°)	7539.3	21.4	B4/8500		
BH	(60°-80°)	8418.1	23.9	B5		G4/12000
BVH	(80°-90°)	101.1	0.3			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°	90°
0°	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7
2.5°	3395.7	3399.2	3392.1	3388.6	3385.1	3379.7	3381.5	3390.4	3397.5	3395.7	3397.5
5°	3424.0	3427.6	3422.3	3420.5	3413.4	3411.6	3411.6	3420.5	3425.8	3422.3	3424.0
7.5°	3455.9	3461.2	3452.4	3450.6	3447.1	3443.5	3441.7	3450.6	3455.9	3455.9	3455.9
10°	3486.0	3491.3	3484.3	3478.9	3475.4	3475.4	3471.9	3478.9	3487.8	3486.0	3486.0
12.5°	3517.9	3521.5	3514.4	3510.8	3510.8	3516.1	3510.8	3514.4	3521.5	3517.9	3516.1
15°	3556.9	3558.7	3556.9	3562.2	3571.1	3588.8	3572.8	3569.3	3572.8	3564.0	3564.0
17.5°	3610.0	3613.6	3620.7	3633.1	3645.4	3677.3	3649.0	3640.1	3640.1	3622.4	3622.4
20°	3675.6	3680.9	3691.5	3712.8	3728.7	3758.8	3730.5	3718.1	3712.8	3689.7	3689.7
22.5°	3744.6	3753.5	3769.4	3797.8	3826.1	3854.5	3826.1	3804.9	3788.9	3758.8	3757.0
25°	3824.4	3835.0	3859.8	3905.8	3944.8	3985.5	3951.9	3909.4	3877.5	3835.0	3833.2
27.5°	3937.7	3950.1	3980.2	4036.9	4086.5	4121.9	4090.1	4035.1	3990.9	3939.5	3937.7
30°	4097.1	4109.5	4145.0	4205.2	4238.9	4261.9	4240.6	4198.1	4145.0	4086.5	4086.5
32.5°	4302.6	4318.6	4357.5	4414.2	4421.3	4424.8	4417.8	4396.5	4357.5	4286.7	4288.5
35°	4563.0	4580.7	4625.0	4671.1	4664.0	4671.1	4660.4	4653.4	4625.0	4543.5	4543.5
37.5°	4881.9	4903.1	4949.2	4984.6	4966.9	4958.0	4959.8	4961.6	4945.6	4855.3	4855.3
40°	5252.1	5280.4	5314.1	5351.3	5321.2	5294.6	5312.3	5326.5	5312.3	5220.2	5220.2
42.5°	5632.9	5673.7	5709.1	5762.2	5737.4	5703.8	5728.6	5744.5	5714.4	5615.2	5622.3
45°	6056.3	6095.2	6141.3	6221.0	6203.3	6167.9	6203.3	6206.8	6155.5	6038.6	6051.0
47.5°	6493.8	6534.5	6603.6	6709.9	6702.8	6663.8	6709.9	6685.1	6619.6	6479.6	6470.8
50°	6908.3	6965.0	7071.3	7220.0	7234.2	7186.4	7248.4	7200.6	7090.7	6915.4	6911.8
52.5°	7298.0	7358.2	7526.5	7728.4	7779.8	7717.8	7801.0	7717.8	7553.1	7328.1	7306.8
55°	7707.2	7774.5	7974.6	8238.6	8341.3	8295.3	8373.2	8247.4	8013.6	7740.8	7703.6
57.5°	8189.0	8229.7	8468.9	8782.4	8956.0	8966.6	9002.0	8789.5	8506.0	8196.1	8153.5
60°	8711.5	8768.2	9028.6	9404.1	9678.7	9767.3	9730.1	9414.8	9085.3	8729.2	8672.6
62.5°	9381.1	9443.1	9754.9	10204.8	10638.8	10858.4	10713.2	10256.1	9848.7	9421.8	9347.4
65°	9935.5	10004.6	10567.9	11370.3	12160.4	12601.4	12236.5	11395.1	10661.8	10059.5	9960.3
67.5°	9533.4	9618.5	10502.4	11976.1	13940.6	15256.7	14007.9	12156.8	10720.2	9903.6	9781.4
70°	8332.5	8412.2	9443.1	11244.6	14441.9	17325.6	14743.0	11575.8	9476.8	8562.7	8440.5
72.5°	5531.9	5788.8	6832.1	8993.2	12895.5	16032.5	13023.0	8810.7	6337.9	5519.5	5340.6
75°	1835.1	2040.6	2752.7	4662.2	8637.1	11990.3	8222.6	4125.5	2180.5	1569.4	1484.4
77.5°	462.3	533.2	735.1	1333.8	3445.3	6826.8	3101.6	1089.4	593.4	414.5	370.2
80°	225.0	248.0	354.3	444.6	862.7	2169.9	809.5	418.0	279.9	216.1	198.4
82.5°	124.0	125.8	200.2	251.5	320.6	561.5	333.0	244.4	161.2	131.1	131.1
85°	76.2	74.4	106.3	134.6	134.6	200.2	159.4	134.6	92.1	81.5	85.0
87.5°	30.1	30.1	39.0	42.5	37.2	51.4	40.7	44.3	35.4	33.7	35.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)