

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: P952412

Luminaire Tested: **GALN-SB6B-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37857 lumens
Efficiency: N/A
Efficacy: 171.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

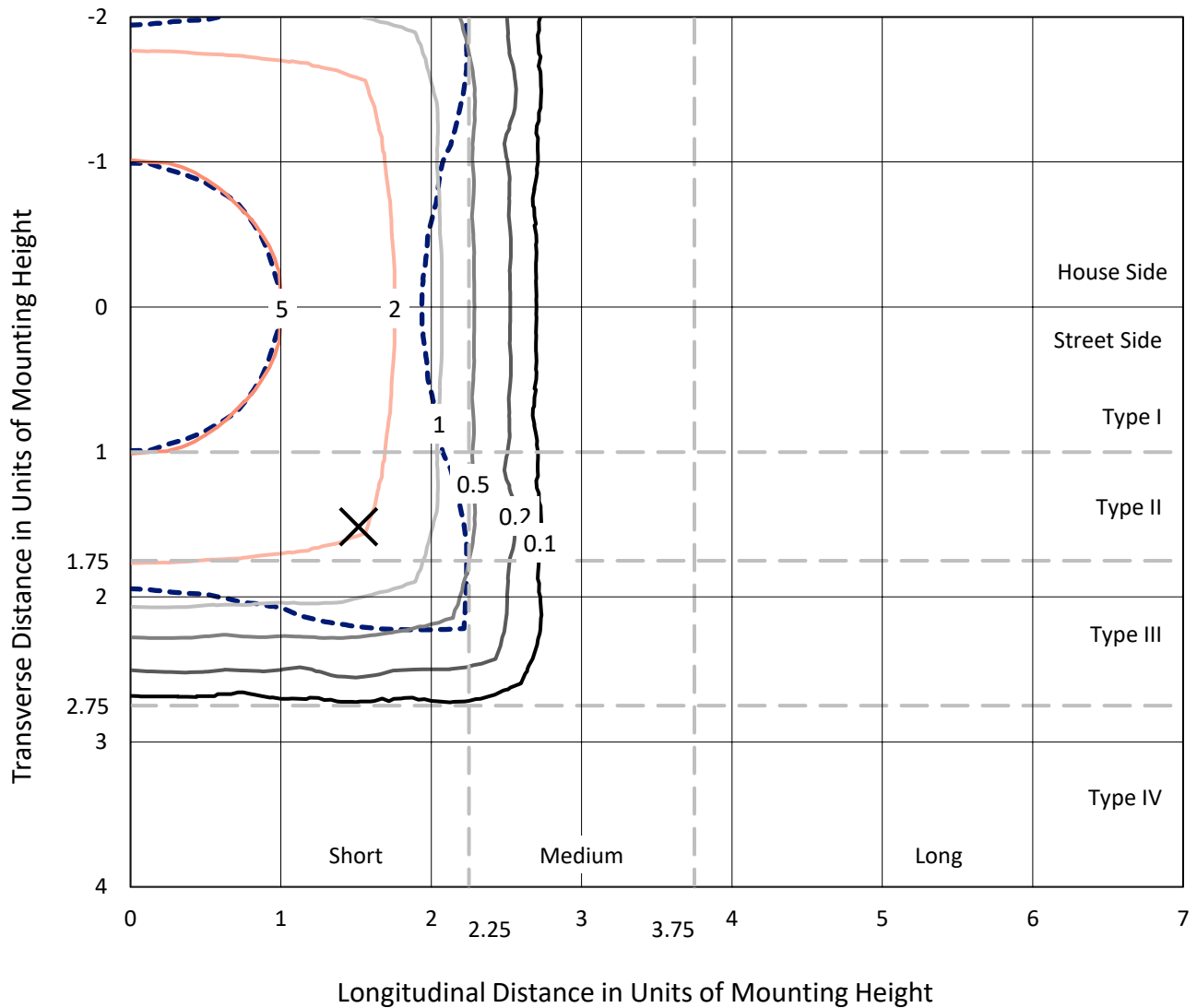
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

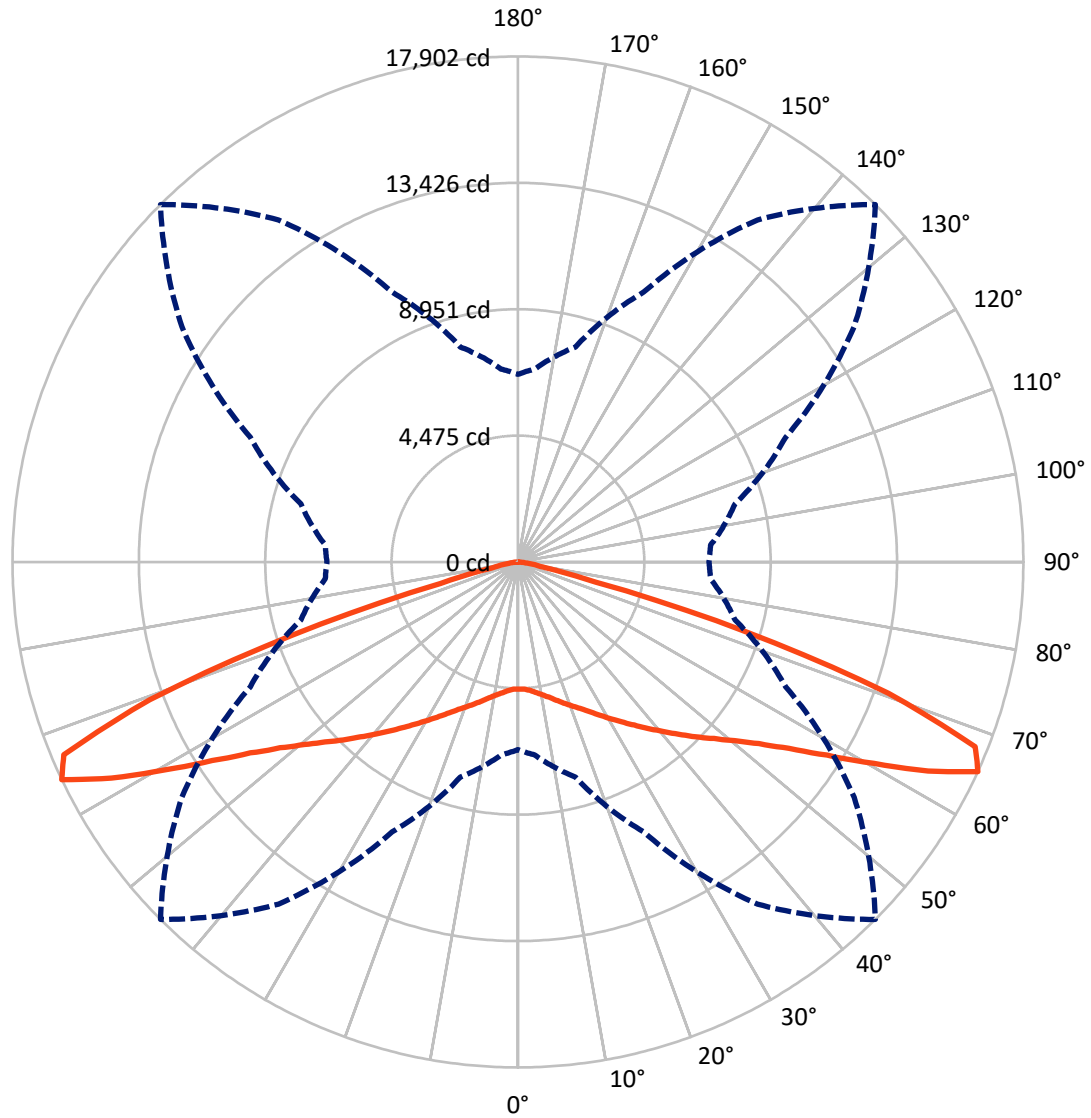
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18928.5	0.0	18928.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18928.5	0.0	18928.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37857.0	0.0	37857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.6	1.2
10°-20°	1450.9	3.8
20°-30°	2739.4	7.2
30°-40°	4485.7	11.8
40°-50°	6955.1	18.4
50°-60°	10274.2	27.1
60°-70°	9780.1	25.8
70°-80°	1578.2	4.2
80°-90°	148.8	0.4
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°	37857.0	100.0
0°-180°	37857.0	100.0

Coefficient of Utilization



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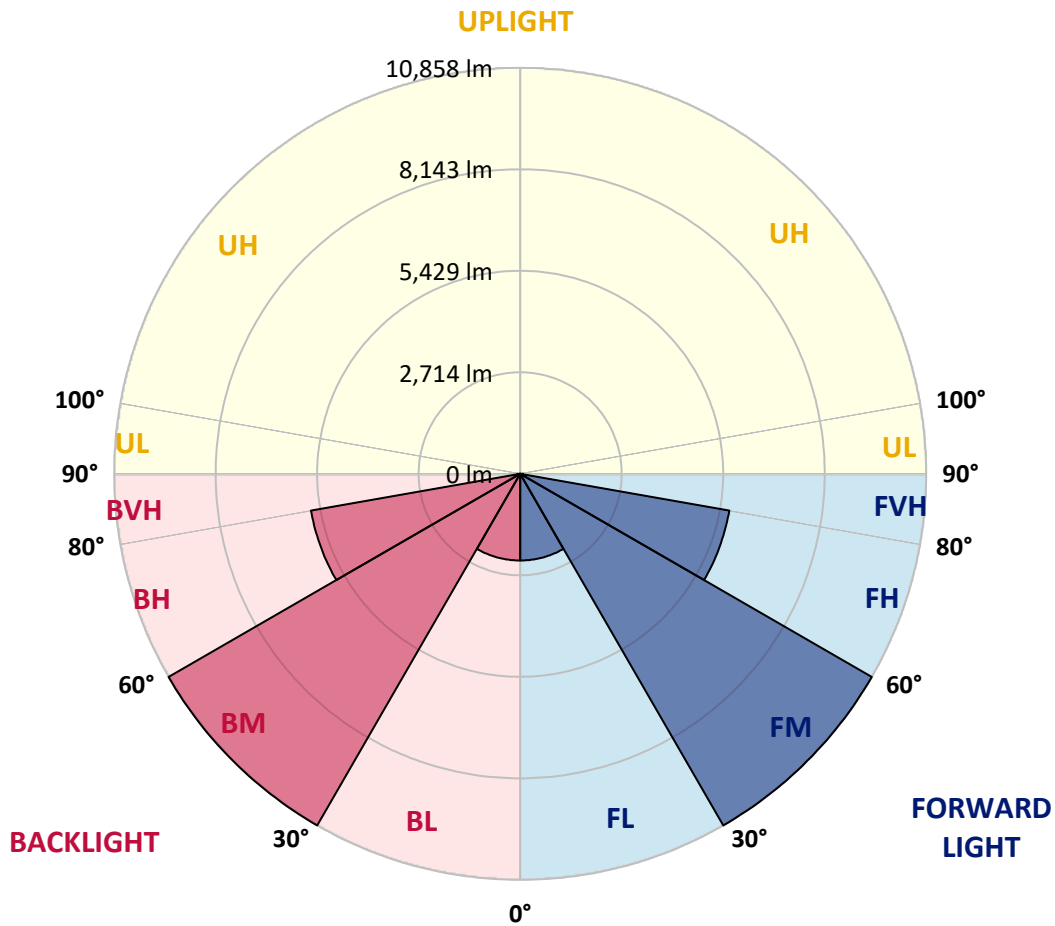
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2317.5	6.1			
FM (30°-60°)	10857.5	28.7			
FH (60°-80°)	5679.1	15.0			G3/7500
FVH (80°-90°)	74.4	0.2			G1/100
BL (0°-30°)	2317.5	6.1	B3/2500		
BM (30°-60°)	10857.5	28.7	B5		
BH (60°-80°)	5679.1	15.0	B5		G3/7500
BVH (80°-90°)	74.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4505.4	4505.4	4505.4	4505.4	4505.4	4505.4	4505.4	4505.4	4505.4	4505.4
2.5°	4535.8	4520.6	4532.0	4522.5	4514.9	4507.3	4511.1	4524.4	4530.1	4532.0
5°	4596.5	4583.2	4588.9	4588.9	4575.6	4571.8	4573.7	4583.2	4594.6	4594.6
7.5°	4695.3	4682.0	4695.3	4687.7	4676.3	4672.5	4670.6	4678.2	4695.3	4695.3
10°	4815.0	4799.8	4807.4	4803.6	4790.3	4784.6	4782.7	4794.1	4809.3	4807.4
12.5°	4946.0	4928.9	4938.4	4927.0	4923.2	4917.5	4917.5	4915.6	4925.1	4917.5
15°	5092.3	5080.9	5084.7	5077.1	5082.8	5079.0	5063.8	5056.2	5060.0	5048.6
17.5°	5265.1	5238.5	5251.8	5248.0	5248.0	5255.6	5230.9	5221.4	5229.0	5217.6
20°	5464.6	5438.0	5443.7	5436.1	5426.6	5434.2	5403.8	5411.4	5417.1	5409.5
22.5°	5683.0	5648.8	5646.9	5650.7	5629.8	5631.7	5610.8	5629.8	5641.2	5620.3
25°	5907.1	5871.0	5895.7	5886.2	5859.6	5865.3	5850.1	5869.1	5878.6	5852.0
27.5°	6144.5	6119.8	6142.6	6148.3	6116.0	6138.8	6116.0	6133.1	6142.6	6102.8
30°	6421.8	6397.2	6418.1	6433.2	6395.3	6431.3	6412.4	6423.7	6425.6	6378.2
32.5°	6723.9	6685.9	6739.0	6746.6	6704.9	6748.5	6723.9	6739.0	6748.5	6684.0
35°	7092.3	7044.9	7105.6	7096.1	7060.0	7096.1	7073.3	7096.1	7118.9	7041.1
37.5°	7489.3	7439.9	7504.5	7487.4	7453.2	7477.9	7464.6	7479.8	7515.9	7432.3
40°	7926.2	7865.4	7952.8	7922.4	7890.1	7886.3	7893.9	7903.4	7950.9	7857.8
42.5°	8393.4	8328.8	8459.9	8412.4	8366.8	8336.4	8361.1	8380.1	8425.7	8321.2
45°	8927.1	8853.1	9024.0	8967.0	8894.9	8832.2	8872.1	8900.6	8967.0	8841.7
47.5°	9516.0	9432.4	9614.7	9597.6	9479.9	9343.1	9434.3	9516.0	9565.3	9413.4
50°	10091.5	10026.9	10266.2	10287.1	10142.8	9950.9	10078.2	10201.6	10214.9	10015.5
52.5°	10630.9	10566.3	10913.9	11045.0	10915.8	10687.9	10822.7	10948.1	10847.4	10589.1
55°	11062.1	11008.9	11451.4	11789.5	11833.2	11645.2	11725.0	11721.2	11390.7	10993.7
57.5°	11166.5	11158.9	11717.4	12433.4	12889.3	12912.1	12754.4	12351.8	11639.5	11105.8
60°	10691.7	10739.2	11506.5	12769.6	13985.2	14490.5	13808.6	12659.5	11356.5	10615.7
62.5°	9270.9	9396.3	10321.3	12359.4	14870.4	16306.3	14653.8	12192.2	10194.0	9227.3
65°	6644.1	6862.5	7884.4	10547.3	14790.6	17901.8	14532.3	10461.9	7960.4	6845.4
67.5°	3014.3	3236.6	4104.6	7221.5	12857.0	17468.7	12826.6	7297.5	4309.7	3248.0
70°	1092.2	1130.1	1409.4	2890.9	8216.8	13918.8	8568.2	2911.8	1498.6	1204.2
72.5°	661.0	666.7	725.6	1035.2	2854.8	8450.4	2976.3	1069.4	740.8	657.2
75°	419.8	416.0	516.6	632.5	1012.4	2851.0	1061.8	632.5	514.7	469.2
77.5°	302.0	311.5	370.4	472.9	638.2	966.8	626.8	452.1	370.4	303.9
80°	226.0	231.7	269.7	368.5	448.3	602.1	398.9	334.3	279.2	189.9
82.5°	163.3	163.3	176.6	267.8	273.5	324.8	216.5	235.5	184.2	134.9
85°	96.9	95.0	110.2	159.5	142.5	119.7	98.8	144.4	115.9	83.6
87.5°	34.2	36.1	34.2	45.6	38.0	32.3	30.4	39.9	32.3	28.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4505.4
4532.0
4594.6
4689.6
4803.6
4921.3
5050.5
5227.1
5426.6
5641.2
5882.4
6133.1
6406.7
6727.7
7088.5
7483.6
7888.2
8376.3
8906.3
9464.7
10040.2
10596.7
11007.0
11071.6
10528.3
9170.3
6763.7
3200.5
1189.0
668.6
472.9
309.6
195.6
134.9
81.7
26.6
0.0

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