

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: P942320

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942320
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-SB6B-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36542 lumens
Efficiency: N/A
Efficacy: 165.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

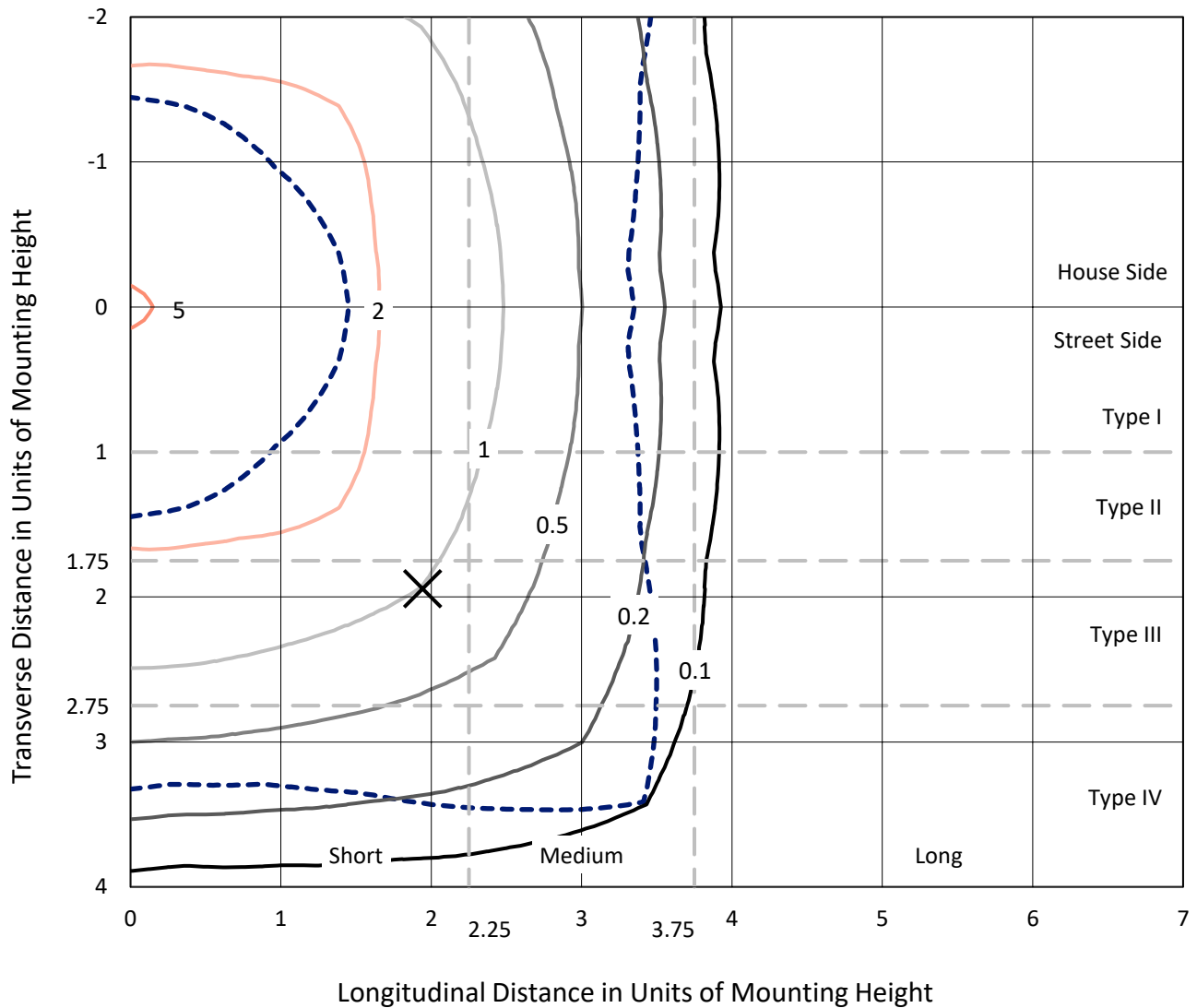
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

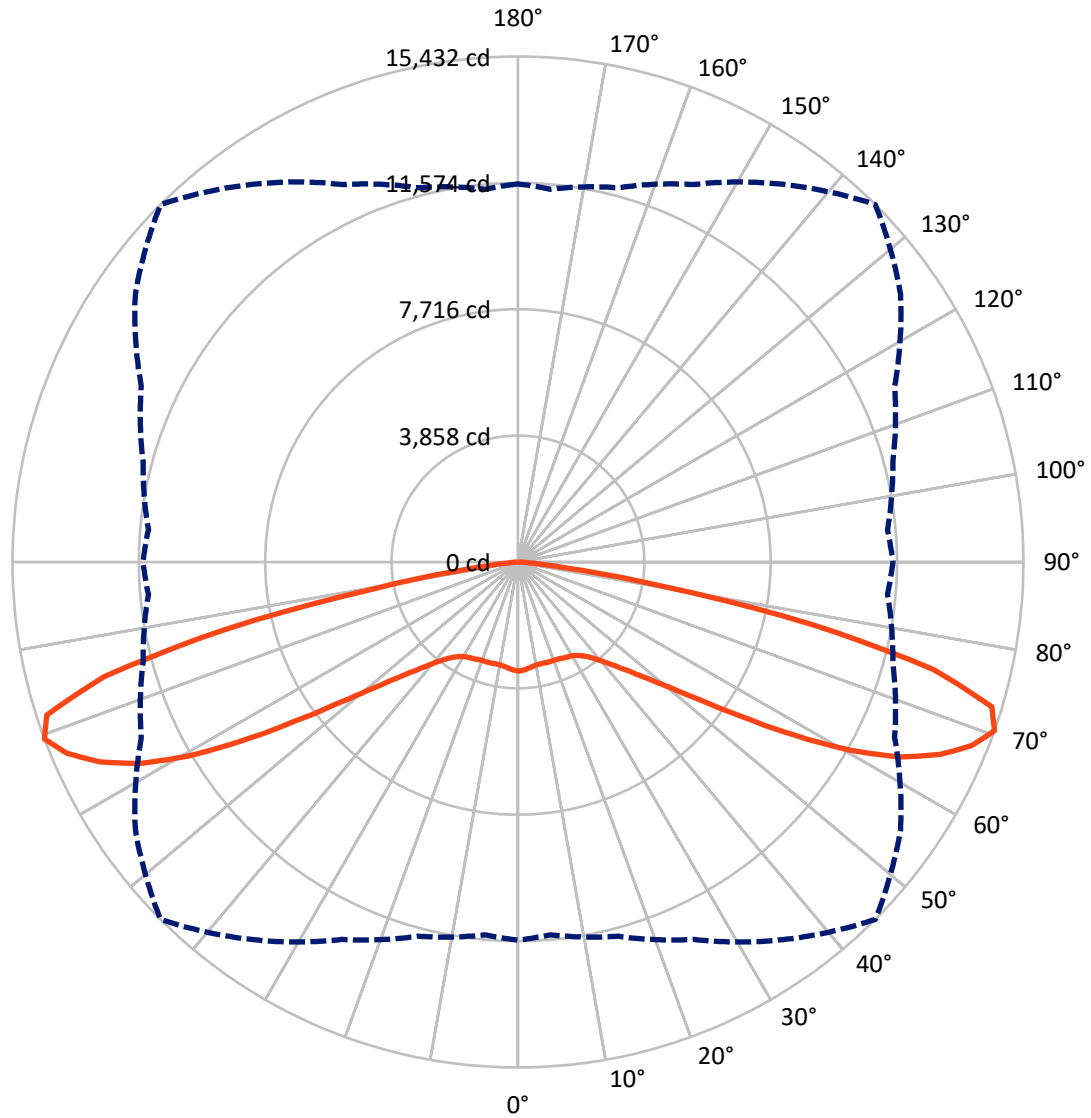
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	18271.0	0.0	18271.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18271.0	0.0	18271.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36542.0	0.0	36542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.1	0.8
10°-20°	910.5	2.5
20°-30°	1515.2	4.1
30°-40°	2291.4	6.3
40°-50°	3807.7	10.4
50°-60°	7185.1	19.7
60°-70°	12132.3	33.2
70°-80°	7972.2	21.8
80°-90°	417.7	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°	36542.0	100.0
0°-180°	36542.0	100.0

Coefficient of Utilization



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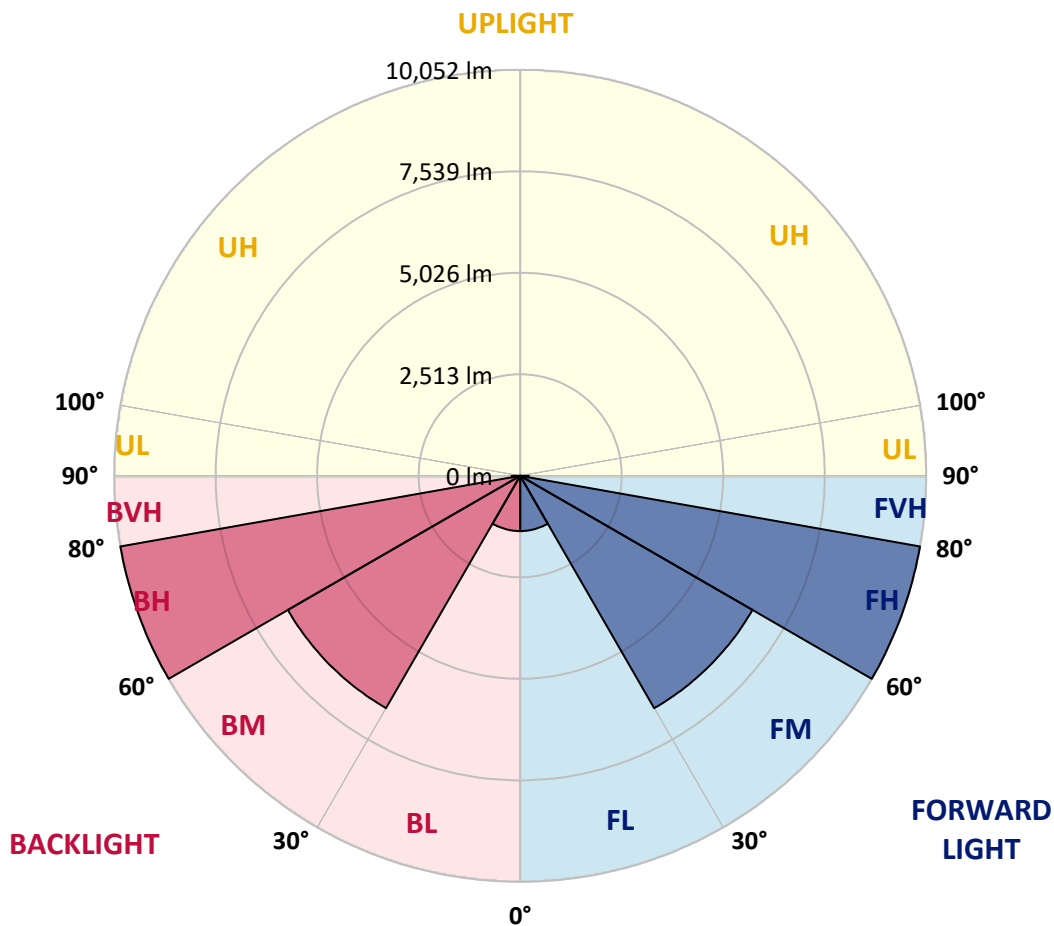
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1367.9	3.7			
FM (30°-60°)	6642.1	18.2			
FH (60°-80°)	10052.2	27.5			G4/12000
FVH (80°-90°)	208.8	0.6			G2/225
BL (0°-30°)	1367.9	3.7	B3/2500		
BM (30°-60°)	6642.1	18.2	B4/8500		
BH (60°-80°)	10052.2	27.5	B5		G4/12000
BVH (80°-90°)	208.8	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°	3333.4	3333.4	3333.4	3333.4	3333.4	3333.4	3333.4	3333.4	3333.4	3333.4
2.5°	3312.5	3322.0	3318.2	3310.6	3310.6	3304.9	3310.6	3314.4	3320.1	3323.9
5°	3268.8	3276.4	3274.5	3268.8	3270.7	3265.0	3268.8	3274.5	3278.3	3280.2
7.5°	3230.8	3238.4	3234.6	3225.1	3225.1	3219.4	3221.3	3227.0	3232.7	3234.6
10°	3221.3	3228.9	3217.5	3202.3	3196.6	3189.0	3190.9	3196.6	3208.0	3213.7
12.5°	3225.1	3230.8	3219.4	3196.6	3190.9	3183.3	3183.3	3189.0	3204.2	3211.8
15°	3236.5	3242.2	3225.1	3200.4	3194.7	3189.0	3187.1	3194.7	3211.8	3225.1
17.5°	3257.4	3263.1	3236.5	3202.3	3194.7	3196.6	3194.7	3200.4	3227.0	3251.7
20°	3276.4	3280.2	3244.1	3202.3	3194.7	3196.6	3194.7	3206.1	3240.3	3274.5
22.5°	3282.1	3285.9	3251.7	3215.6	3209.9	3211.8	3209.9	3221.3	3253.6	3287.8
25°	3284.0	3289.7	3263.1	3234.6	3244.1	3247.9	3244.1	3246.0	3270.7	3301.1
27.5°	3312.5	3320.1	3295.4	3270.7	3276.4	3274.5	3280.2	3285.9	3304.9	3335.3
30°	3371.4	3377.1	3356.2	3331.5	3327.7	3314.4	3331.5	3350.5	3371.4	3397.9
32.5°	3468.2	3479.6	3453.0	3426.4	3409.3	3401.7	3415.0	3447.3	3475.8	3504.3
35°	3629.7	3637.3	3612.6	3563.2	3532.8	3532.8	3544.2	3586.0	3631.6	3667.7
37.5°	3857.6	3867.1	3823.4	3764.5	3718.9	3718.9	3734.1	3777.8	3846.2	3897.5
40°	4134.9	4148.2	4093.1	4032.3	3988.6	3981.0	4000.0	4049.4	4114.0	4178.6
42.5°	4469.2	4484.4	4412.2	4359.0	4324.8	4324.8	4334.3	4379.9	4438.8	4518.6
45°	4896.5	4923.1	4824.4	4771.2	4738.9	4746.5	4752.2	4792.1	4845.3	4936.4
47.5°	5405.6	5432.2	5327.7	5272.6	5266.9	5303.0	5280.2	5308.7	5337.2	5441.6
50°	5983.0	6028.5	5956.4	5952.6	5964.0	6030.4	5977.3	5992.5	5960.2	6026.6
52.5°	6689.5	6756.0	6742.7	6765.5	6892.8	7029.5	6908.0	6854.8	6733.2	6754.1
55°	7546.1	7646.8	7665.8	7802.5	8091.2	8370.5	8112.1	7897.5	7639.2	7591.7
57.5°	8520.5	8600.3	8691.4	8970.6	9510.1	10005.8	9510.1	9035.2	8628.8	8531.9
60°	9568.9	9667.7	9755.1	10167.2	10968.8	11665.8	10953.6	10199.5	9662.0	9531.0
62.5°	10695.3	10822.5	10883.3	11341.0	12275.5	13107.4	12288.8	11375.2	10778.8	10638.3
65°	11776.0	11880.5	11948.8	12437.0	13329.7	14163.5	13390.4	12490.2	11876.7	11692.4
67.5°	12279.3	12336.3	12503.4	13056.2	13998.2	14949.8	14157.8	13115.0	12429.4	12106.5
70°	11542.4	11426.5	11829.2	12714.3	14078.0	15432.3	14260.3	12687.7	11848.2	11323.9
72.5°	8919.4	8719.9	9418.9	10932.7	13166.3	15124.6	13257.5	11018.2	9853.8	8790.2
75°	4852.8	4626.8	5591.7	7506.2	10499.6	13109.3	10740.8	7720.9	6226.1	4816.8
77.5°	1369.4	1284.0	2062.7	3631.6	6315.4	9204.3	6558.5	3711.3	2446.4	1451.1
80°	419.8	406.5	550.8	1094.0	2681.9	4408.4	2577.4	1107.3	700.9	442.5
82.5°	248.8	227.9	273.5	398.9	683.8	1384.6	664.8	416.0	334.3	224.1
85°	142.5	133.0	161.4	193.7	229.8	294.4	191.8	197.5	178.5	119.7
87.5°	58.9	53.2	62.7	60.8	53.2	68.4	51.3	60.8	72.2	47.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3333.4
3322.0
3280.2
3234.6
3213.7
3213.7
3227.0
3251.7
3276.4
3287.8
3299.2
3327.7
3392.2
3492.9
3654.4
3878.5
4157.7
4512.9
4932.6
5411.3
5986.8
6683.8
7517.6
8463.5
9417.0
10524.3
11601.3
12110.3
11449.3
9054.2
5130.2
1612.6
467.2
243.1
125.4
43.7
0.0

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