

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: P953020

Luminaire Tested: **GALN-SB6C-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953020
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-SB6C-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33086 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

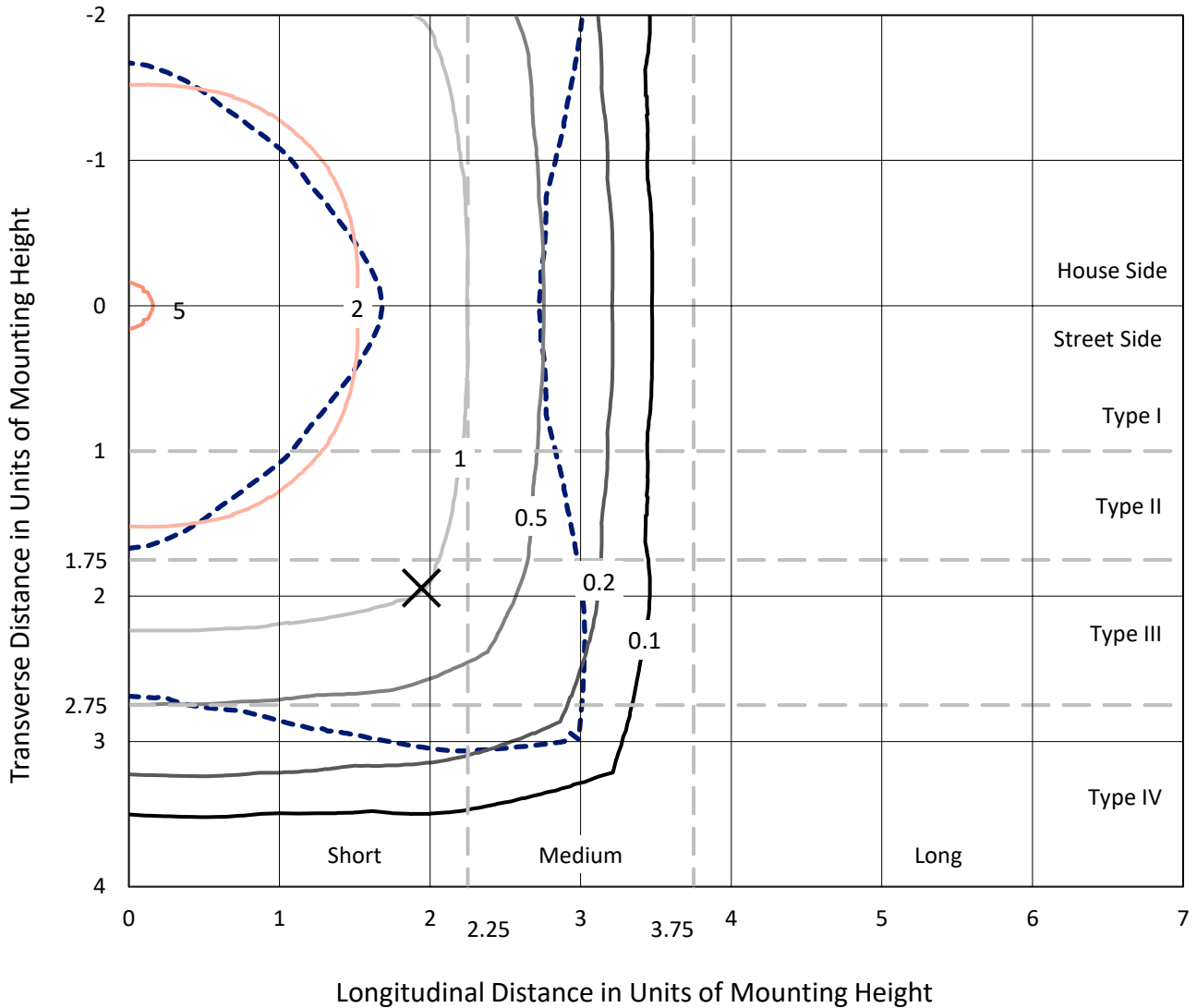
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

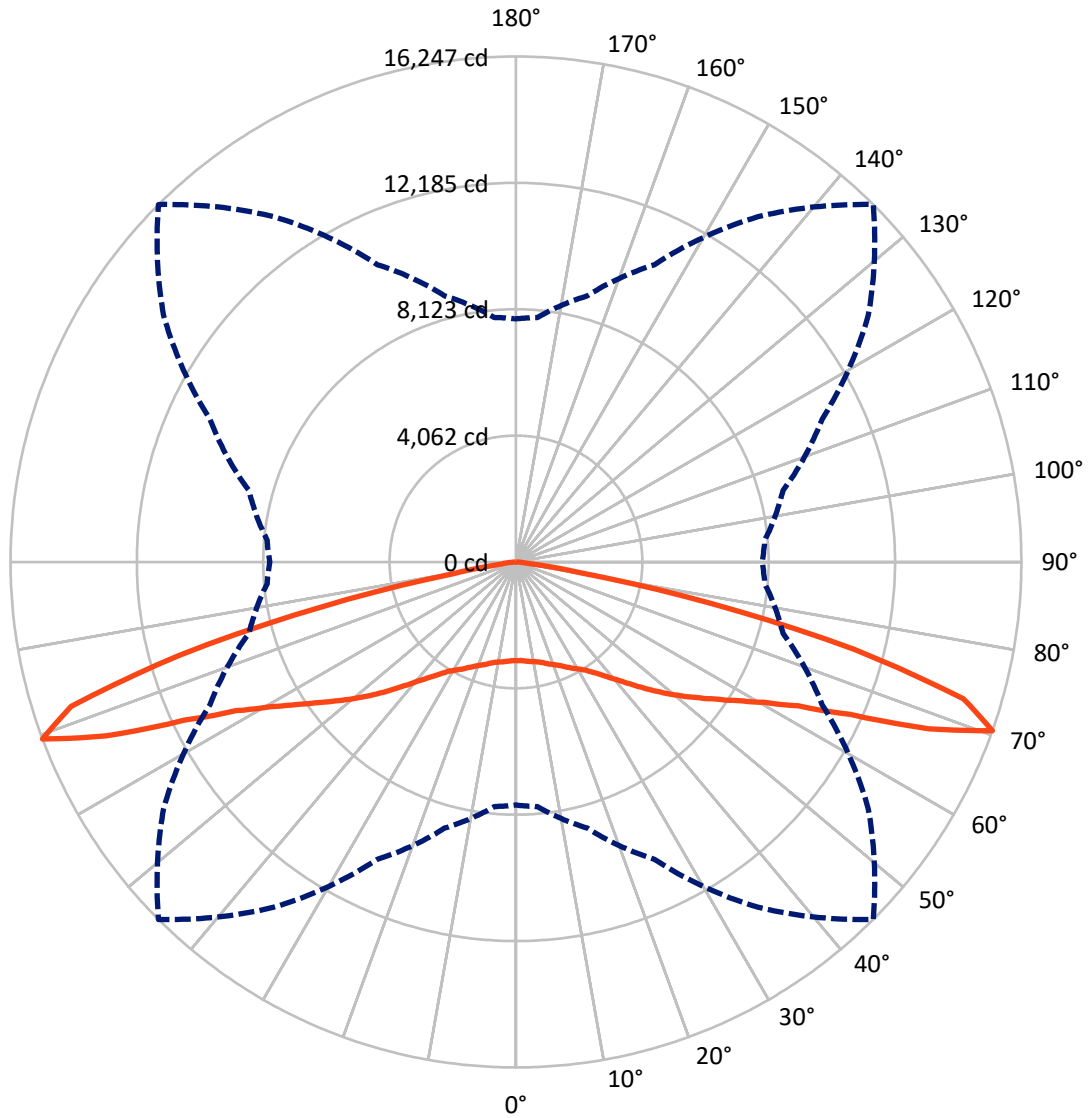
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	16543.0	0.0	16543.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16543.0	0.0	16543.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33086.0	0.0	33086.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.9	0.9
10°-20°	954.8	2.9
20°-30°	1706.3	5.2
30°-40°	2765.8	8.4
40°-50°	4505.1	13.6
50°-60°	6868.7	20.8
60°-70°	10218.5	30.9
70°-80°	5569.4	16.8
80°-90°	189.7	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°	33086.0	100.0
0°-180°	33086.0	100.0



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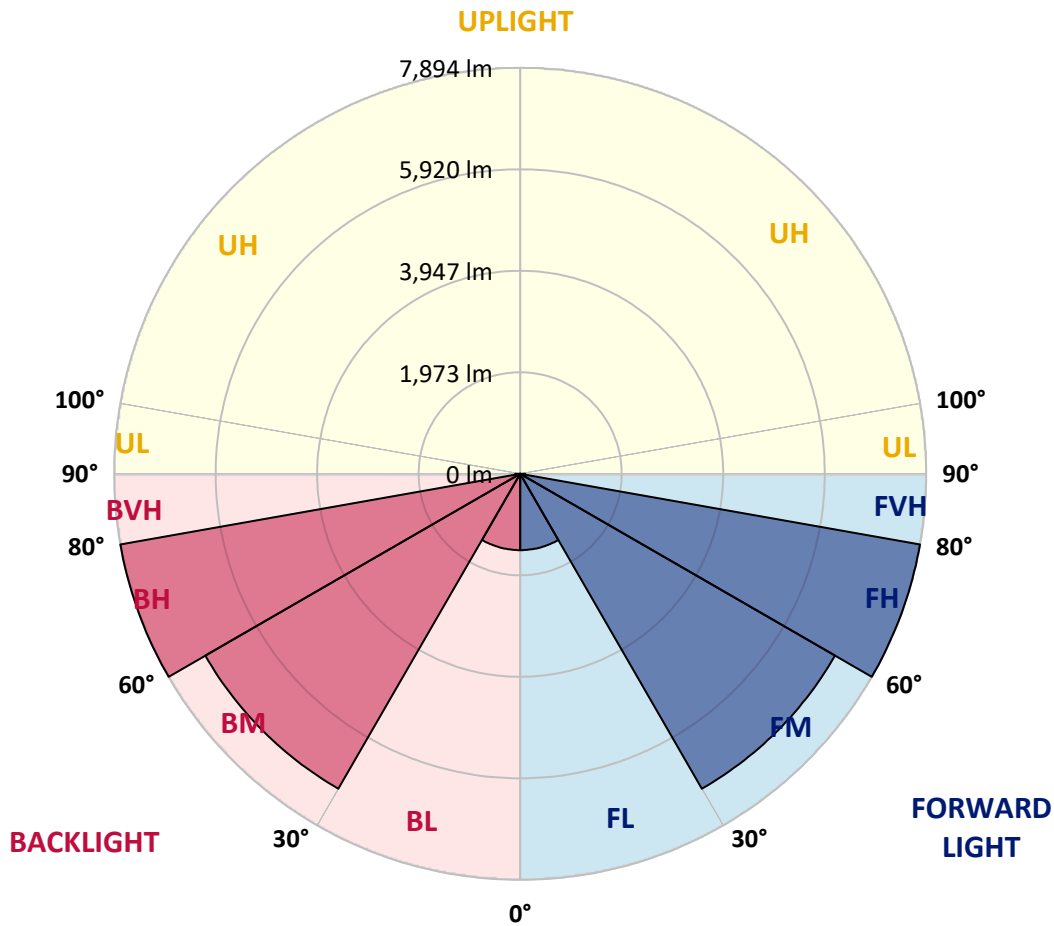
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1484.5	4.5			
FM (30°-60°)	7069.8	21.4			
FH (60°-80°)	7893.9	23.9			G4/12000
FVH (80°-90°)	94.8	0.3			G1/100
BL (0°-30°)	1484.5	4.5	B3/2500		
BM (30°-60°)	7069.8	21.4	B4/8500		
BH (60°-80°)	7893.9	23.9	B5		G4/12000
BVH (80°-90°)	94.8	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°	3169.3	3169.3	3169.3	3169.3	3169.3	3169.3	3169.3	3169.3	3169.3	3169.3
2.5°	3184.2	3187.6	3180.9	3177.6	3174.3	3169.3	3171.0	3179.3	3185.9	3184.2
5°	3210.8	3214.1	3209.2	3207.5	3200.9	3199.2	3199.2	3207.5	3212.5	3209.2
7.5°	3240.7	3245.7	3237.4	3235.7	3232.4	3229.1	3227.4	3235.7	3240.7	3240.7
10°	3269.0	3273.9	3267.3	3262.3	3259.0	3259.0	3255.7	3262.3	3270.6	3269.0
12.5°	3298.9	3302.2	3295.5	3292.2	3292.2	3297.2	3292.2	3295.5	3302.2	3298.9
15°	3335.4	3337.1	3335.4	3340.4	3348.7	3365.3	3350.4	3347.0	3350.4	3342.0
17.5°	3385.2	3388.6	3395.2	3406.8	3418.5	3448.4	3421.8	3413.5	3413.5	3396.9
20°	3446.7	3451.7	3461.6	3481.6	3496.5	3524.8	3498.2	3486.6	3481.6	3460.0
22.5°	3511.5	3519.8	3534.7	3561.3	3587.9	3614.5	3587.9	3567.9	3553.0	3524.8
25°	3586.2	3596.2	3619.4	3662.6	3699.2	3737.4	3705.8	3666.0	3636.1	3596.2
27.5°	3692.5	3704.2	3732.4	3785.5	3832.1	3865.3	3835.4	3783.9	3742.4	3694.2
30°	3842.0	3853.7	3886.9	3943.3	3974.9	3996.5	3976.6	3936.7	3886.9	3832.1
32.5°	4034.7	4049.7	4086.2	4139.4	4146.0	4149.3	4142.7	4122.7	4086.2	4019.8
35°	4278.9	4295.5	4337.0	4380.2	4373.6	4380.2	4370.2	4363.6	4337.0	4260.6
37.5°	4577.9	4597.8	4641.0	4674.2	4657.6	4649.3	4651.0	4652.6	4637.7	4553.0
40°	4925.0	4951.6	4983.2	5018.1	4989.8	4964.9	4981.5	4994.8	4981.5	4895.1
42.5°	5282.2	5320.4	5353.6	5403.4	5380.2	5348.6	5371.9	5386.8	5358.6	5265.6
45°	5679.2	5715.7	5758.9	5833.6	5817.0	5783.8	5817.0	5820.3	5772.2	5662.5
47.5°	6089.4	6127.6	6192.4	6292.1	6285.4	6248.9	6292.1	6268.8	6207.4	6076.1
50°	6478.1	6531.3	6630.9	6770.5	6783.8	6738.9	6797.0	6752.2	6649.2	6484.8
52.5°	6843.6	6900.0	7057.8	7247.2	7295.4	7237.2	7315.3	7237.2	7082.7	6871.8
55°	7227.3	7290.4	7478.1	7725.6	7821.9	7778.7	7851.8	7733.9	7514.6	7258.8
57.5°	7679.1	7717.3	7941.5	8235.5	8398.3	8408.3	8441.5	8242.2	7976.4	7685.7
60°	8169.1	8222.2	8466.4	8818.6	9076.0	9159.1	9124.2	8828.5	8519.6	8185.7
62.5°	8797.0	8855.1	9147.4	9569.3	9976.3	10182.3	10046.1	9617.5	9235.5	8835.2
65°	9316.9	9381.6	9909.9	10662.3	11403.2	11816.8	11474.6	10685.6	9997.9	9433.1
67.5°	8939.8	9019.5	9848.4	11230.4	13072.5	14306.7	13135.6	11399.8	10052.7	9287.0
70°	7813.6	7888.4	8855.1	10544.4	13542.6	16246.8	13825.0	10855.0	8886.7	8029.5
72.5°	5187.5	5428.3	6406.7	8433.2	12092.5	15034.2	12212.1	8262.1	5943.3	5175.9
75°	1720.9	1913.5	2581.3	4371.9	8099.3	11243.7	7710.6	3868.6	2044.8	1471.7
77.5°	433.5	500.0	689.3	1250.8	3230.8	6401.7	2908.5	1021.5	556.5	388.7
80°	211.0	232.5	332.2	416.9	808.9	2034.8	759.1	392.0	262.4	202.6
82.5°	116.3	117.9	187.7	235.9	300.7	526.6	312.3	229.2	151.2	122.9
85°	71.4	69.8	99.7	126.2	126.2	187.7	149.5	126.2	86.4	76.4
87.5°	28.2	28.2	36.5	39.9	34.9	48.2	38.2	41.5	33.2	31.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3169.3
3185.9
3210.8
3240.7
3269.0
3297.2
3342.0
3396.9
3460.0
3523.1
3594.5
3692.5
3832.1
4021.4
4260.6
4553.0
4895.1
5272.2
5674.2
6067.8
6481.4
6851.9
7223.9
7645.8
8132.5
8765.4
9340.1
9172.4
7914.9
5008.1
1392.0
347.2
186.0
122.9
79.7
33.2
0.0

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