

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: P953021

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953021
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-SB6C-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33106 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 - G2

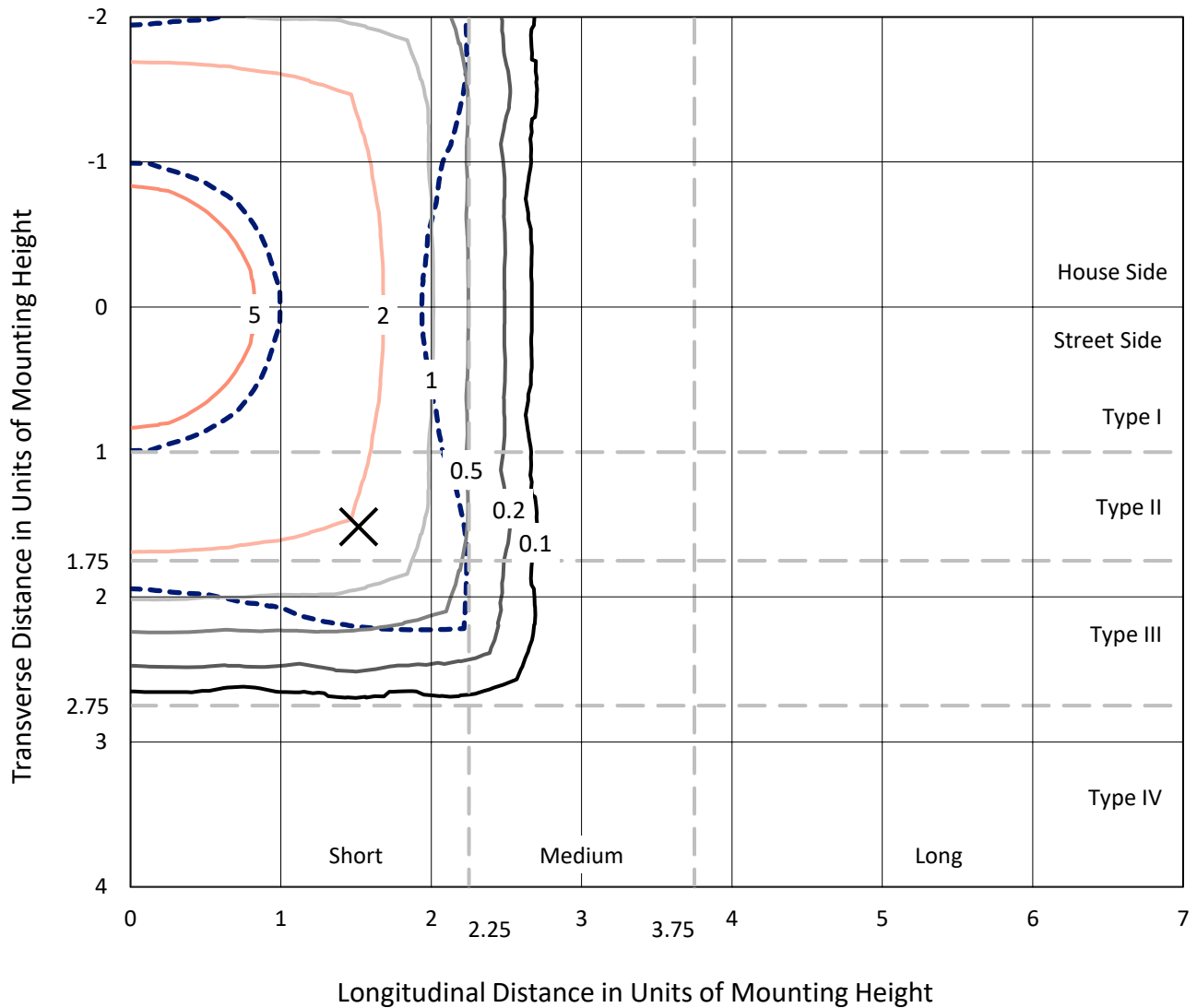
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

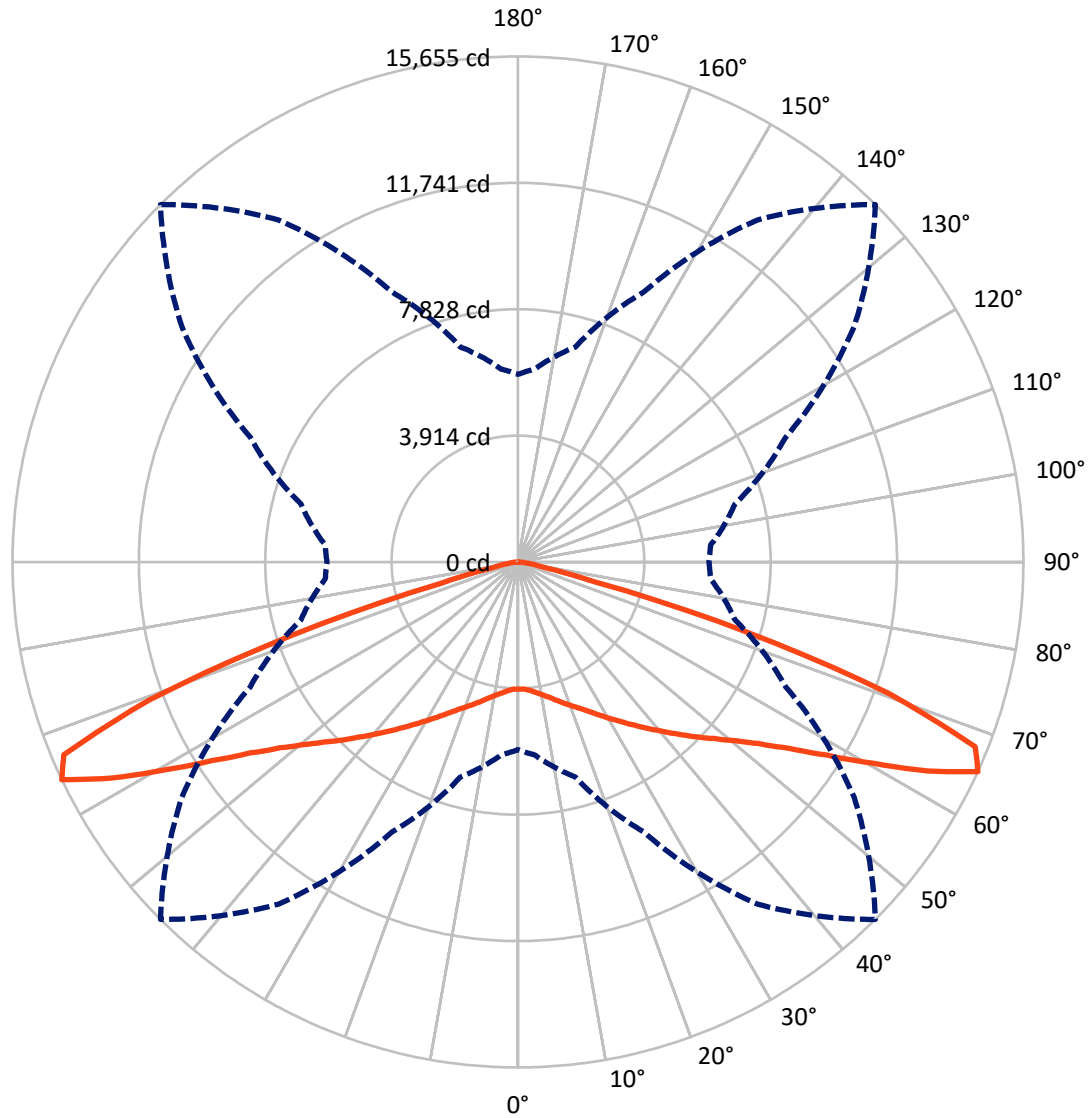
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	16553.0	0.0	16553.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16553.0	0.0	16553.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33106.0	0.0	33106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.8	1.2
10°-20°	1268.8	3.8
20°-30°	2395.6	7.2
30°-40°	3922.8	11.8
40°-50°	6082.3	18.4
50°-60°	8984.8	27.1
60°-70°	8552.7	25.8
70°-80°	1380.1	4.2
80°-90°	130.1	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°	33106.0	100.0
0°-180°	33106.0	100.0

Coefficient of Utilization



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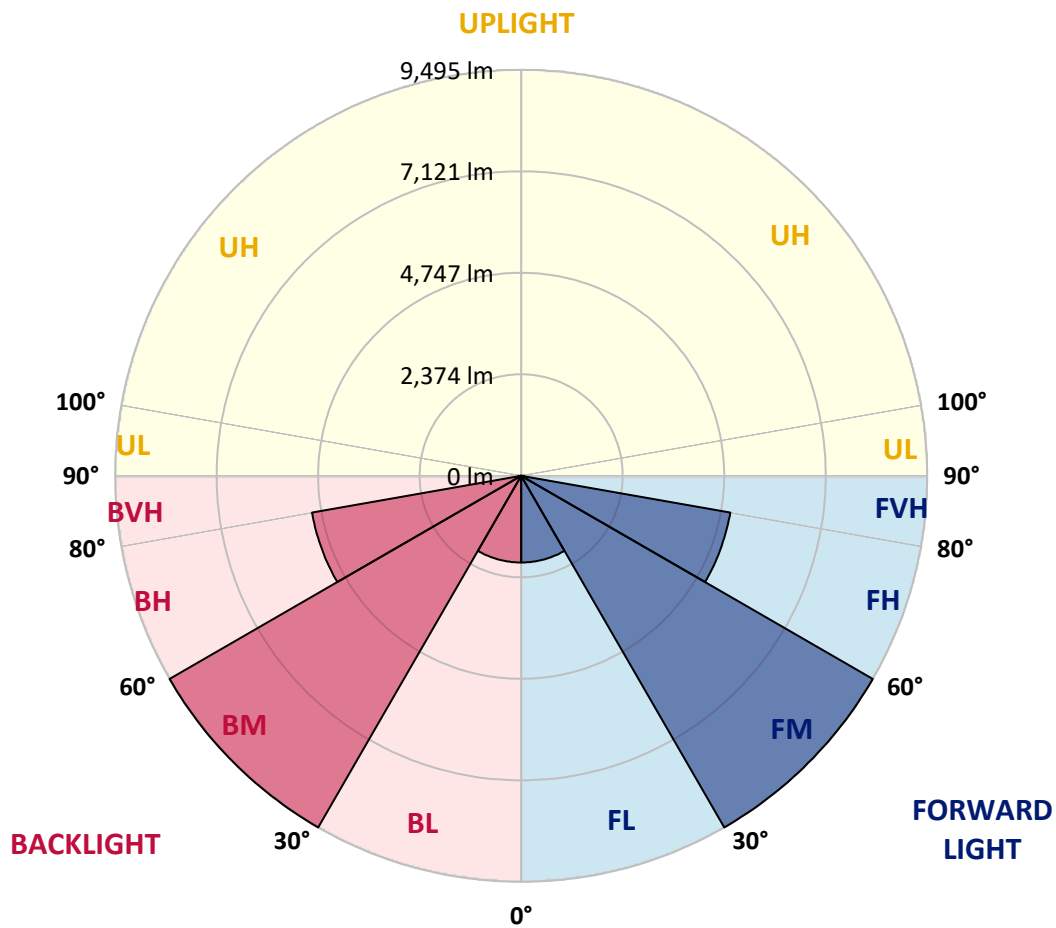
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2026.6	6.1			
FM (30°-60°)	9494.9	28.7			
FH (60°-80°)	4966.4	15.0			G2/5000
FVH (80°-90°)	65.0	0.2			G1/100
BL (0°-30°)	2026.6	6.1	B3/2500		
BM (30°-60°)	9494.9	28.7	B5		
BH (60°-80°)	4966.4	15.0	B4/5000		G2/5000
BVH (80°-90°)	65.0	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3939.9	3939.9	3939.9	3939.9	3939.9	3939.9	3939.9	3939.9	3939.9	3939.9
2.5°	3966.5	3953.2	3963.2	3954.9	3948.3	3941.6	3944.9	3956.6	3961.5	3963.2
5°	4019.7	4008.0	4013.0	4013.0	4001.4	3998.1	3999.7	4008.0	4018.0	4018.0
7.5°	4106.0	4094.4	4106.0	4099.4	4089.4	4086.1	4084.5	4091.1	4106.0	4106.0
10°	4210.7	4197.4	4204.0	4200.7	4189.1	4184.1	4182.5	4192.4	4205.7	4204.0
12.5°	4325.3	4310.4	4318.7	4308.7	4305.4	4300.4	4300.4	4298.7	4307.0	4300.4
15°	4453.2	4443.2	4446.6	4439.9	4444.9	4441.6	4428.3	4421.6	4425.0	4415.0
17.5°	4604.4	4581.1	4592.7	4589.4	4589.4	4596.0	4574.5	4566.2	4572.8	4562.8
20°	4778.8	4755.5	4760.5	4753.8	4745.5	4752.2	4725.6	4732.3	4737.2	4730.6
22.5°	4969.8	4939.9	4938.2	4941.5	4923.3	4924.9	4906.7	4923.3	4933.2	4915.0
25°	5165.8	5134.2	5155.8	5147.5	5124.3	5129.2	5115.9	5132.6	5140.9	5117.6
27.5°	5373.4	5351.8	5371.7	5376.7	5348.5	5368.4	5348.5	5363.4	5371.7	5336.9
30°	5615.9	5594.3	5612.6	5625.9	5592.7	5624.2	5607.6	5617.6	5619.2	5577.7
32.5°	5880.0	5846.8	5893.3	5900.0	5863.4	5901.6	5880.0	5893.3	5901.6	5845.1
35°	6202.3	6160.7	6213.9	6205.6	6174.0	6205.6	6185.6	6205.6	6225.5	6157.4
37.5°	6549.4	6506.2	6562.7	6547.8	6517.9	6539.4	6527.8	6541.1	6572.7	6499.6
40°	6931.4	6878.3	6954.7	6928.1	6899.9	6896.6	6903.2	6911.5	6953.0	6871.6
42.5°	7340.1	7283.6	7398.2	7356.7	7316.8	7290.2	7311.8	7328.4	7368.3	7276.9
45°	7806.8	7742.0	7891.5	7841.7	7778.6	7723.8	7758.6	7783.6	7841.7	7732.1
47.5°	8321.7	8248.6	8408.1	8393.1	8290.2	8170.6	8250.3	8321.7	8364.9	8232.0
50°	8825.0	8768.5	8977.8	8996.1	8869.9	8702.1	8813.4	8921.4	8933.0	8758.6
52.5°	9296.7	9240.3	9544.2	9658.8	9545.9	9346.6	9464.5	9574.1	9486.1	9260.2
55°	9673.8	9627.3	10014.3	10310.0	10348.2	10183.7	10253.5	10250.2	9961.2	9614.0
57.5°	9765.2	9758.5	10246.8	10873.1	11271.7	11291.6	11153.8	10801.6	10178.7	9712.0
60°	9349.9	9391.4	10062.5	11167.1	12230.1	12671.9	12075.6	11070.7	9931.3	9283.5
62.5°	8107.5	8217.1	9026.0	10808.3	13004.1	14259.9	12814.8	10662.1	8914.7	8069.2
65°	5810.3	6001.3	6894.9	9223.7	12934.4	15655.1	12708.5	9148.9	6961.3	5986.3
67.5°	2636.0	2830.4	3589.5	6315.2	11243.5	15276.4	11216.9	6381.6	3768.9	2840.3
70°	955.1	988.3	1232.5	2528.1	7185.6	12172.0	7492.9	2546.3	1310.5	1053.1
72.5°	578.0	583.0	634.5	905.3	2496.5	7389.9	2602.8	935.2	647.8	574.7
75°	367.1	363.8	451.8	553.1	885.3	2493.2	928.5	553.1	450.1	410.3
77.5°	264.1	272.4	323.9	413.6	558.1	845.5	548.1	395.3	323.9	265.8
80°	197.7	202.6	235.9	322.2	392.0	526.5	348.8	292.3	244.2	166.1
82.5°	142.8	142.8	154.5	234.2	239.2	284.0	189.4	206.0	161.1	117.9
85°	84.7	83.1	96.3	139.5	124.6	104.6	86.4	126.2	101.3	73.1
87.5°	29.9	31.6	29.9	39.9	33.2	28.2	26.6	34.9	28.2	24.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3939.9
3963.2
4018.0
4101.1
4200.7
4303.7
4416.7
4571.1
4745.5
4933.2
5144.2
5363.4
5602.6
5883.3
6198.9
6544.4
6898.2
7325.1
7788.5
8276.9
8780.2
9266.8
9625.6
9682.1
9207.0
8019.4
5914.9
2798.8
1039.8
584.7
413.6
270.7
171.1
117.9
71.4
23.3
0.0

OF REPORT)