

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: P951953

Luminaire Tested: **GALN-SB5D-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5D-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36823 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

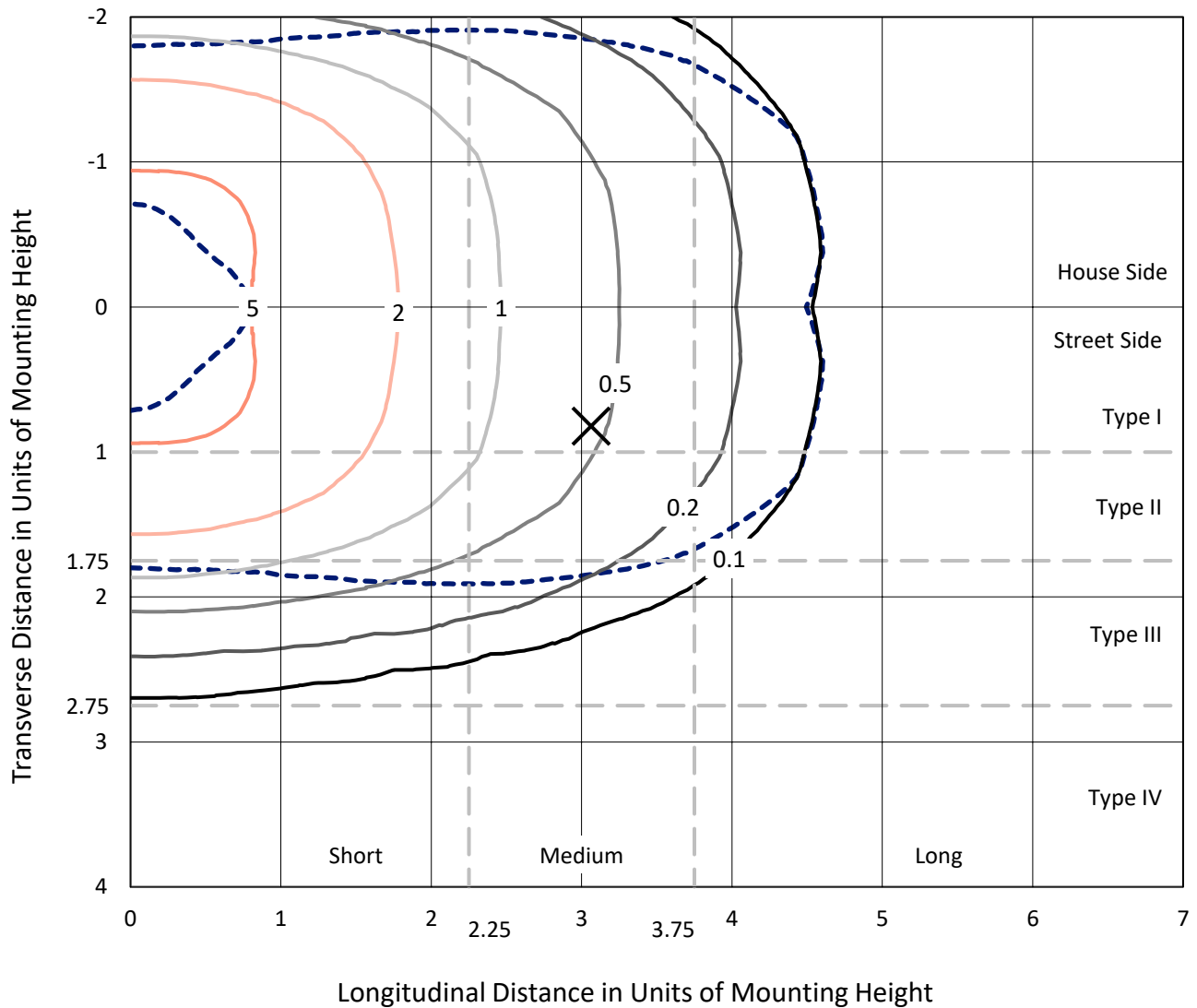
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

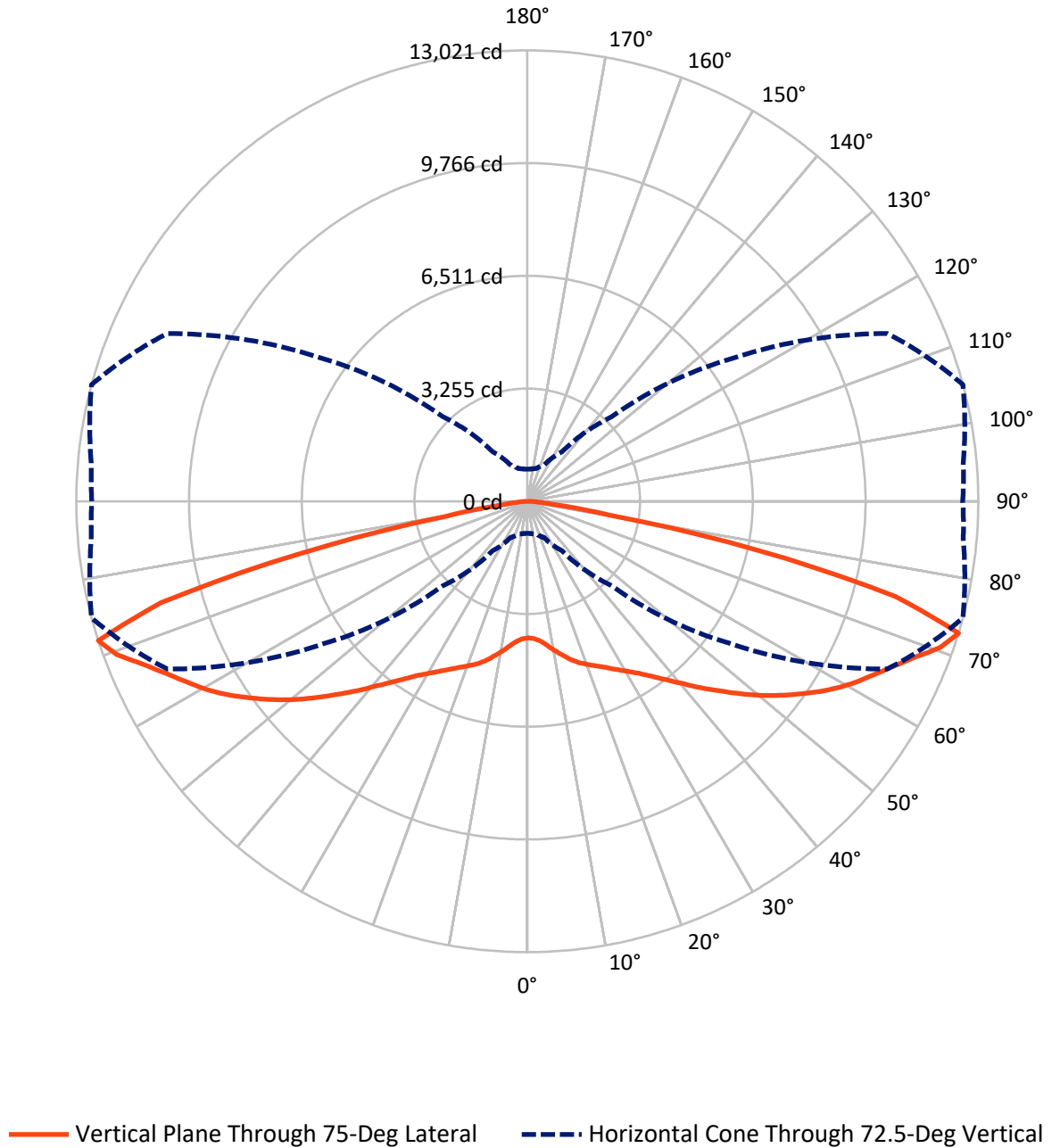
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18411.5	0.0	18411.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18411.5	0.0	18411.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36823.0	0.0	36823.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.4	1.0
10°-20°	1274.4	3.5
20°-30°	2462.5	6.7
30°-40°	4158.1	11.3
40°-50°	6594.2	17.9
50°-60°	8828.9	24.0
60°-70°	8402.3	22.8
70°-80°	4384.4	11.9
80°-90°	331.9	0.9
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°	36823.0	100.0
0°-180°	36823.0	100.0



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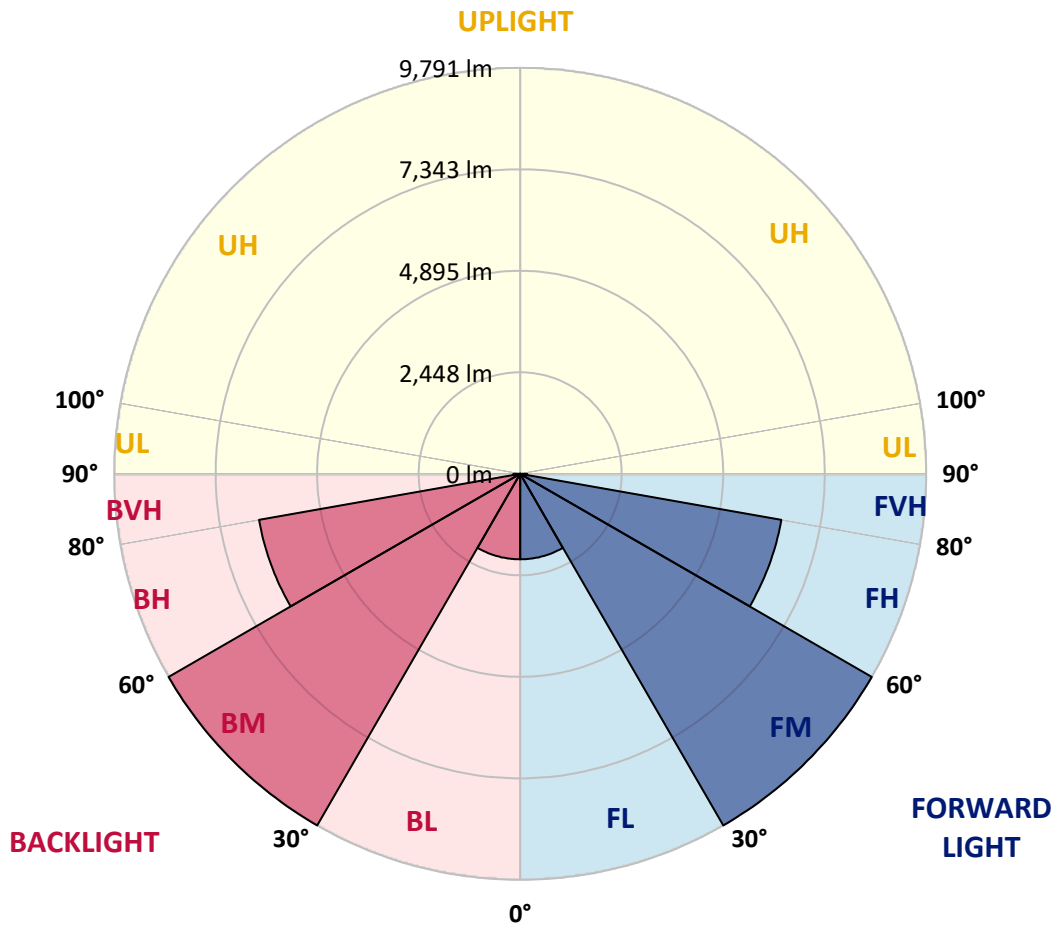
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2061.6	5.6			
FM (30°-60°)	9790.6	26.6			
FH (60°-80°)	6393.3	17.4			G3/7500
FVH (80°-90°)	165.9	0.5			G2/225
BL (0°-30°)	2061.6	5.6	B3/2500		
BM (30°-60°)	9790.6	26.6	B5		
BH (60°-80°)	6393.3	17.4	B5		G5
BVH (80°-90°)	165.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3944.4	3944.4	3944.4	3944.4	3944.4	3944.4	3944.4	3944.4	3944.4	3944.4
2.5°	3944.4	3940.6	3944.4	3948.2	3946.3	3946.3	3955.7	3961.3	3972.6	3970.7
5°	3918.1	3916.2	3931.2	3948.2	3961.3	3983.9	4012.1	4032.8	4059.1	4064.7
7.5°	3904.9	3899.3	3925.6	3955.7	3997.0	4053.4	4108.0	4164.4	4209.5	4224.5
10°	3914.3	3916.2	3951.9	4008.3	4074.1	4153.1	4230.2	4326.1	4390.0	4405.0
12.5°	3957.6	3953.8	4014.0	4104.2	4194.5	4294.1	4384.3	4489.6	4559.2	4594.9
15°	4036.5	4029.0	4113.6	4247.1	4378.7	4495.3	4568.6	4668.2	4749.1	4794.2
17.5°	4130.5	4134.3	4245.2	4418.2	4591.1	4722.8	4792.3	4843.1	4905.1	4944.6
20°	4296.0	4303.5	4427.6	4632.5	4829.9	4980.3	5036.7	5017.9	5034.8	5064.9
22.5°	4517.8	4521.6	4660.7	4882.6	5089.4	5254.8	5292.4	5215.3	5168.3	5189.0
25°	4775.4	4799.8	4939.0	5166.5	5378.9	5536.8	5553.7	5437.2	5320.6	5326.3
27.5°	5089.4	5111.9	5252.9	5478.5	5694.8	5832.0	5830.1	5674.1	5503.0	5459.7
30°	5429.7	5454.1	5598.9	5832.0	6033.2	6153.5	6127.2	5941.0	5696.6	5615.8
32.5°	5833.9	5848.9	5995.6	6228.7	6414.8	6510.7	6456.2	6226.8	5922.2	5830.1
35°	6322.7	6345.3	6454.3	6674.3	6837.8	6916.8	6824.7	6553.9	6211.8	6108.4
37.5°	6881.1	6866.0	6990.1	7185.7	7321.0	7369.9	7243.9	6922.4	6542.7	6420.5
40°	7463.9	7456.4	7591.8	7779.8	7853.1	7883.2	7697.0	7345.5	6924.3	6792.7
42.5°	7992.2	7986.6	8168.9	8377.6	8466.0	8432.1	8197.1	7794.8	7366.1	7215.7
45°	8415.2	8407.7	8631.4	8924.7	9097.7	9041.3	8725.4	8291.1	7813.6	7657.6
47.5°	8740.5	8744.2	8984.9	9347.7	9650.4	9671.1	9265.0	8796.9	8306.2	8129.5
50°	8975.5	8986.8	9244.3	9646.7	10060.3	10242.7	9815.9	9315.8	8815.7	8616.4
52.5°	9033.8	9054.5	9364.7	9836.6	10323.5	10671.3	10376.1	9814.0	9298.9	9109.0
55°	8723.6	8764.9	9157.9	9821.5	10485.2	10953.3	10868.7	10319.7	9785.8	9590.3
57.5°	8011.0	8069.3	8528.0	9394.7	10449.5	11147.0	11250.4	10804.8	10272.7	10084.7
60°	7012.7	7082.3	7522.2	8467.9	9945.6	11218.4	11519.2	11276.7	10720.2	10537.8
62.5°	5506.7	5597.0	6123.4	7232.7	8881.5	10885.6	11748.6	11703.5	11122.5	10895.0
65°	3532.7	3628.5	4183.2	5493.6	7462.0	9866.6	11820.0	12119.0	11547.4	11229.7
67.5°	2130.1	2173.4	2447.9	3329.6	5454.1	8330.6	11214.7	12579.6	12043.8	11649.0
70°	1363.1	1387.5	1551.1	1955.3	3083.3	6078.3	9714.4	12666.1	12645.4	12079.5
72.5°	925.0	932.5	975.8	1158.1	1744.7	3453.7	7165.0	11466.6	13021.4	12634.1
75°	676.8	718.2	787.8	819.7	990.8	1725.9	4106.1	8056.1	10974.0	11143.2
77.5°	503.9	505.7	601.6	639.2	706.9	919.4	1737.2	4497.1	6813.4	7153.7
80°	426.8	404.2	402.3	515.1	532.1	573.4	776.5	1552.9	2440.3	1479.6
82.5°	355.3	330.9	298.9	402.3	362.9	351.6	336.5	631.7	776.5	381.7
85°	248.2	236.9	225.6	263.2	206.8	176.7	161.7	295.2	327.1	161.7
87.5°	107.2	110.9	112.8	116.6	86.5	62.0	62.0	82.7	82.7	63.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3944.4
3968.8
4064.7
4228.3
4420.1
4609.9
4811.1
4963.4
5087.5
5204.1
5335.7
5472.9
5625.2
5852.7
6123.4
6443.0
6836.0
7253.3
7693.3
8182.1
8676.6
9157.9
9644.8
10128.0
10577.3
10921.4
11269.2
11679.0
12075.7
12574.0
10733.4
6381.0
1118.6
325.3
142.9
47.0
0.0

OF REPORT)