

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: P951932

Luminaire Tested: **GALN-SB5D-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951932
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-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38357 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

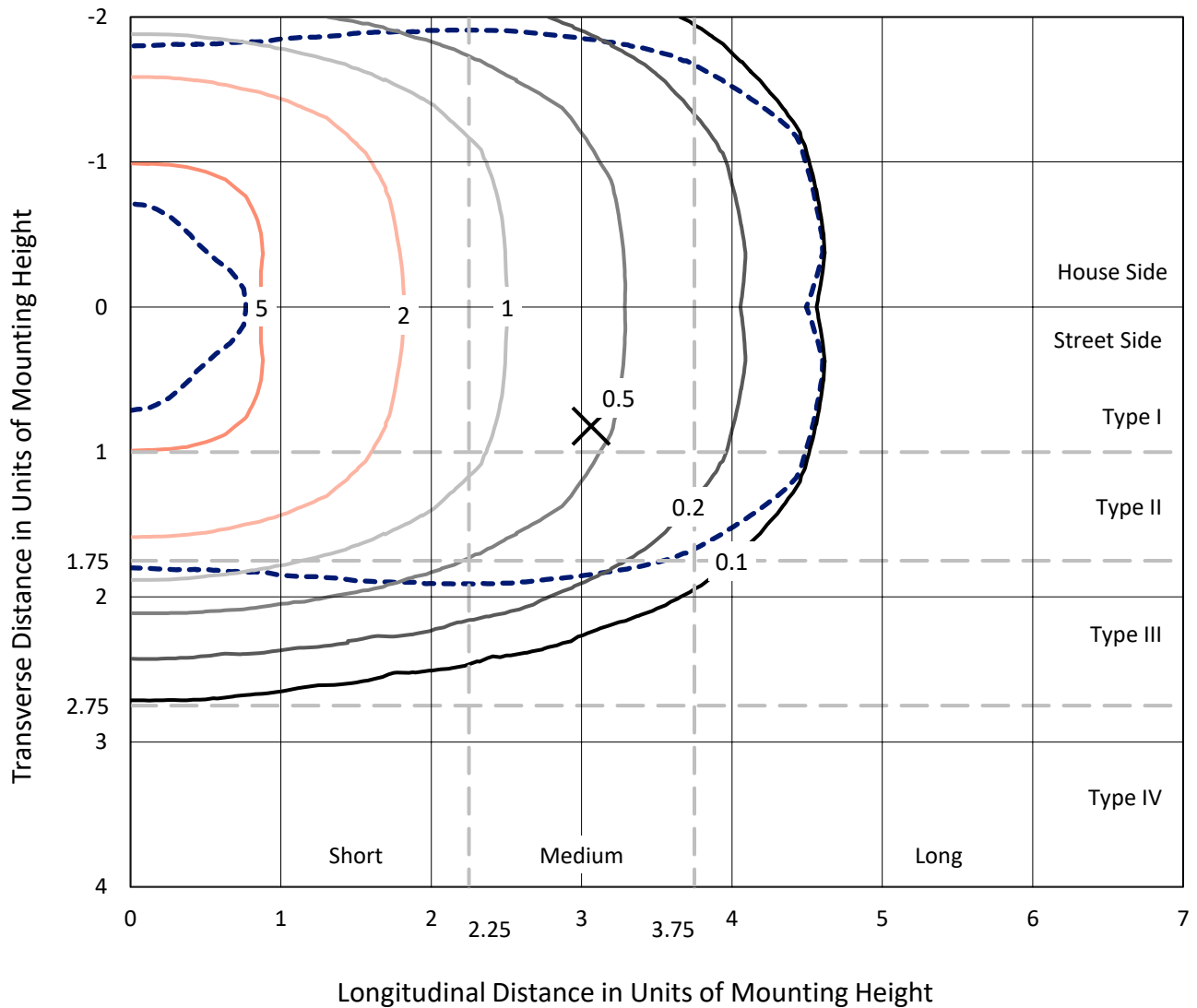
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

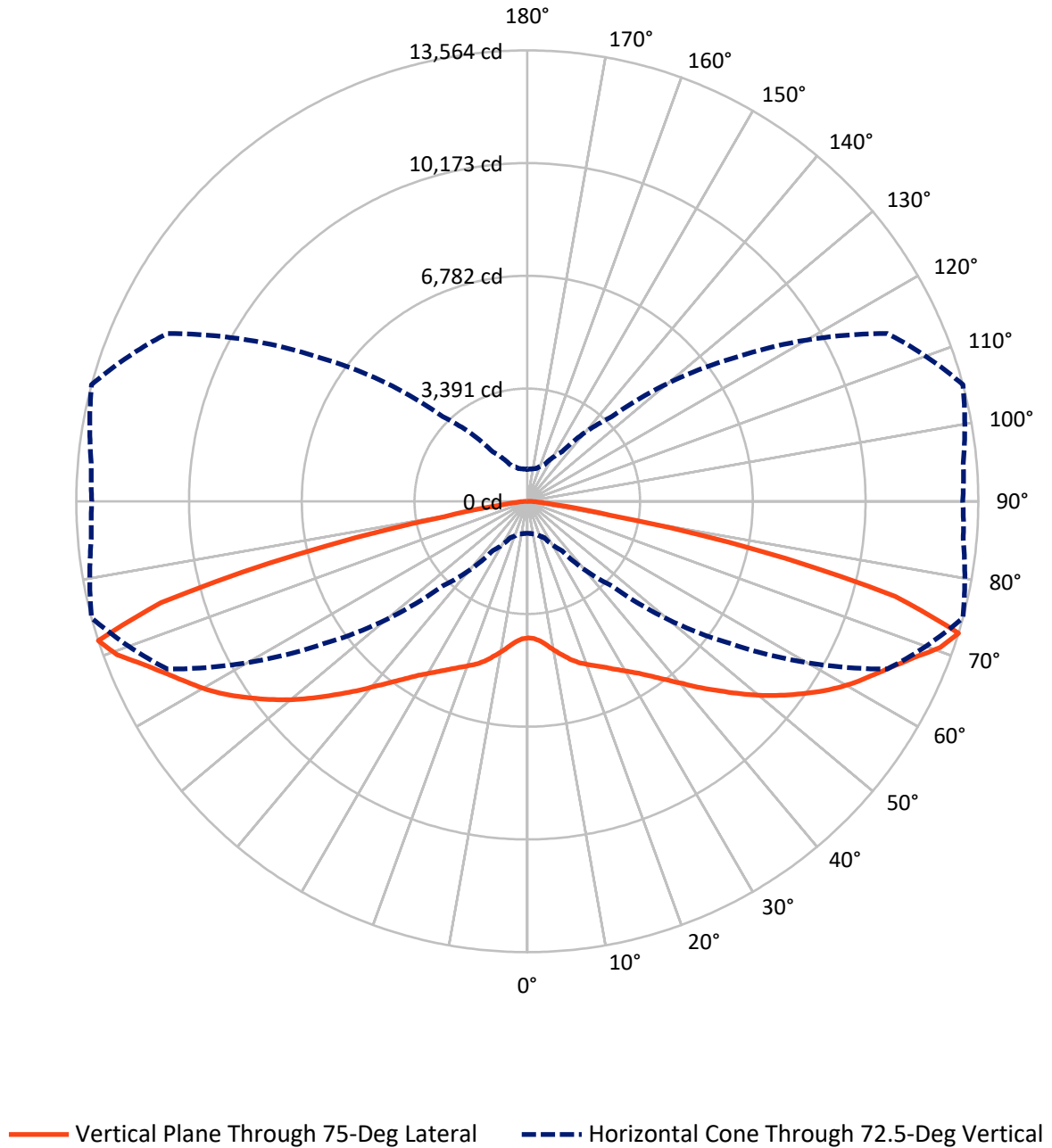
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	19178.5	0.0	19178.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19178.5	0.0	19178.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38357.0	0.0	38357.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.5	1.0
10°-20°	1327.5	3.5
20°-30°	2565.1	6.7
30°-40°	4331.3	11.3
40°-50°	6868.9	17.9
50°-60°	9196.7	24.0
60°-70°	8752.3	22.8
70°-80°	4567.1	11.9
80°-90°	345.7	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°	38357.0	100.0
0°-180°	38357.0	100.0

Coefficient of Utilization



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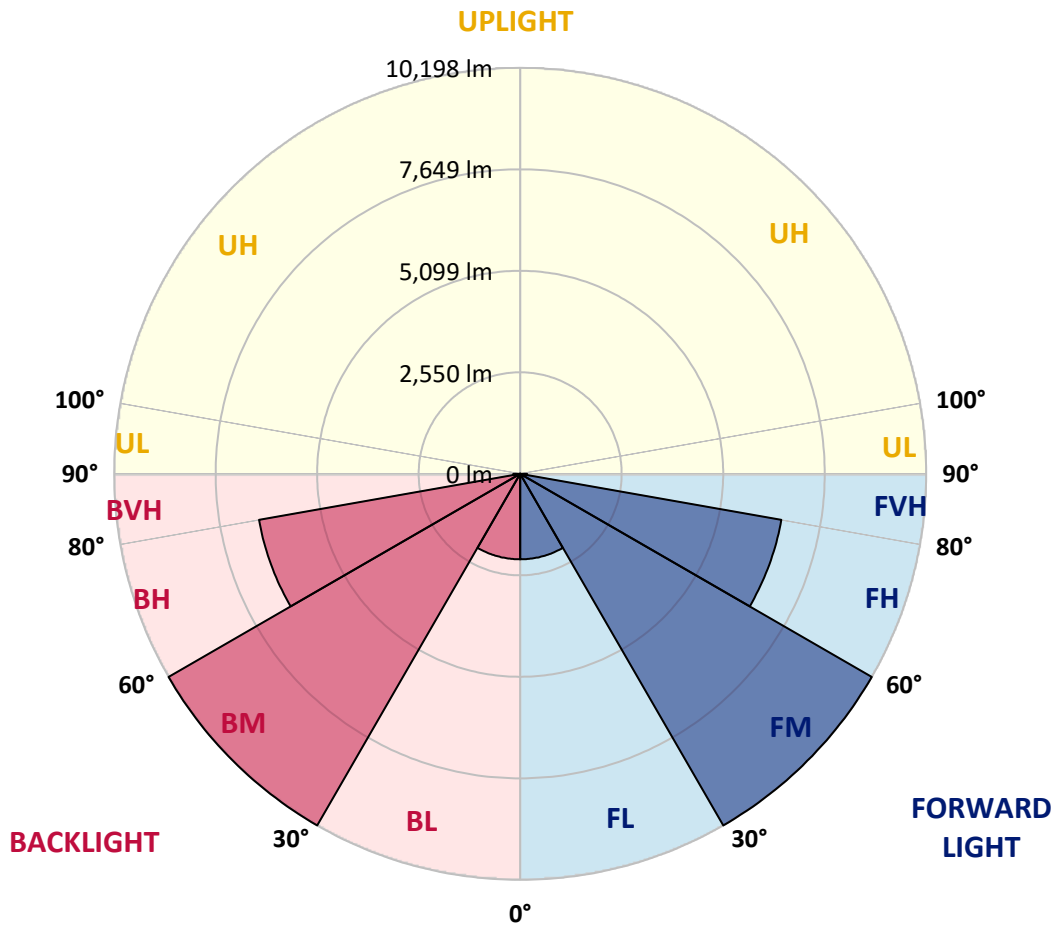
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2147.5	5.6			
FM (30°-60°)	10198.4	26.6			
FH (60°-80°)	6659.7	17.4			G3/7500
FVH (80°-90°)	172.9	0.5			G2/225
BL (0°-30°)	2147.5	5.6	B3/2500		
BM (30°-60°)	10198.4	26.6	B5		
BH (60°-80°)	6659.7	17.4	B5		G5
BVH (80°-90°)	172.9	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°	4108.7	4108.7	4108.7	4108.7	4108.7	4108.7	4108.7	4108.7	4108.7	4108.7
2.5°	4108.7	4104.8	4108.7	4112.6	4110.7	4110.7	4120.5	4126.3	4138.1	4136.1
5°	4081.3	4079.3	4095.0	4112.6	4126.3	4149.8	4179.2	4200.8	4228.2	4234.1
7.5°	4067.6	4061.7	4089.1	4120.5	4163.6	4222.3	4279.1	4337.9	4384.9	4400.5
10°	4077.4	4079.3	4116.6	4175.3	4243.9	4326.1	4406.4	4506.3	4572.9	4588.5
12.5°	4122.4	4118.5	4181.2	4275.2	4369.2	4473.0	4567.0	4676.7	4749.1	4786.3
15°	4204.7	4196.8	4285.0	4424.0	4561.1	4682.5	4758.9	4862.7	4946.9	4993.9
17.5°	4302.6	4306.5	4422.1	4602.2	4782.4	4919.5	4992.0	5044.8	5109.5	5150.6
20°	4474.9	4482.8	4612.0	4825.5	5031.1	5187.8	5246.6	5227.0	5244.6	5275.9
22.5°	4706.0	4709.9	4854.9	5086.0	5301.4	5473.7	5512.9	5432.6	5383.6	5405.2
25°	4974.3	4999.8	5144.7	5381.7	5603.0	5767.5	5785.1	5663.7	5542.3	5548.1
27.5°	5301.4	5324.9	5471.8	5706.8	5932.0	6075.0	6073.0	5910.4	5732.2	5687.2
30°	5655.9	5681.3	5832.1	6075.0	6284.5	6409.8	6382.4	6188.5	5933.9	5849.7
32.5°	6076.9	6092.6	6245.3	6488.2	6682.1	6781.9	6725.1	6486.2	6169.0	6073.0
35°	6586.1	6609.6	6723.2	6952.3	7122.7	7205.0	7109.0	6827.0	6470.6	6362.8
37.5°	7167.7	7152.1	7281.3	7485.0	7626.0	7676.9	7545.7	7210.8	6815.2	6687.9
40°	7774.8	7767.0	7908.0	8103.9	8180.2	8211.6	8017.7	7651.5	7212.8	7075.7
42.5°	8325.2	8319.3	8509.2	8726.6	8818.7	8783.4	8538.6	8119.5	7673.0	7516.3
45°	8765.8	8758.0	8991.0	9296.5	9476.7	9417.9	9088.9	8636.5	8139.1	7976.6
47.5°	9104.6	9108.5	9359.2	9737.2	10052.5	10074.0	9651.0	9163.3	8652.2	8468.1
50°	9349.4	9361.1	9629.4	10048.5	10479.4	10669.4	10224.8	9703.9	9182.9	8975.3
52.5°	9410.1	9431.7	9754.8	10246.3	10753.6	11115.9	10808.4	10222.8	9686.2	9488.4
55°	9087.0	9130.1	9539.4	10230.7	10922.0	11409.6	11321.5	10749.7	10193.5	9989.8
57.5°	8344.7	8405.4	8883.3	9786.1	10884.8	11611.3	11719.1	11254.9	10700.7	10504.9
60°	7304.8	7377.3	7835.6	8820.6	10359.9	11685.8	11999.1	11746.5	11166.8	10976.8
62.5°	5736.2	5830.2	6378.5	7534.0	9251.5	11339.1	12238.0	12191.0	11585.9	11348.9
65°	3679.8	3779.7	4357.4	5722.4	7772.9	10277.7	12312.5	12623.8	12028.5	11697.5
67.5°	2218.9	2263.9	2549.8	3468.3	5681.3	8677.7	11681.9	13103.6	12545.5	12134.2
70°	1419.8	1445.3	1615.7	2036.7	3211.8	6331.5	10119.0	13193.7	13172.2	12582.7
72.5°	963.5	971.4	1016.4	1206.4	1817.4	3597.6	7463.5	11944.3	13563.9	13160.4
75°	705.0	748.1	820.6	853.9	1032.1	1797.8	4277.1	8391.7	11431.2	11607.4
77.5°	524.9	526.8	626.7	665.9	736.4	957.7	1809.6	4684.5	7097.2	7451.7
80°	444.6	421.1	419.1	536.6	554.2	597.3	808.8	1617.6	2542.0	1541.3
82.5°	370.1	344.7	311.4	419.1	378.0	366.2	350.6	658.0	808.8	397.6
85°	258.5	246.8	235.0	274.2	215.4	184.1	168.4	307.5	340.8	168.4
87.5°	111.6	115.5	117.5	121.4	90.1	64.6	64.6	86.2	86.2	66.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4108.7
4134.2
4234.1
4404.4
4604.2
4802.0
5011.5
5170.2
5299.4
5420.8
5557.9
5700.9
5859.5
6096.5
6378.5
6711.4
7120.7
7555.5
8013.8
8523.0
9038.0
9539.4
10046.6
10549.9
11018.0
11376.3
11738.6
12165.6
12578.8
13097.8
11180.5
6646.8
1165.2
338.8
148.8
49.0
0.0

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