

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: P953297

Luminaire Tested: **GALN-SB6D-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953297
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-SB6D-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38679 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

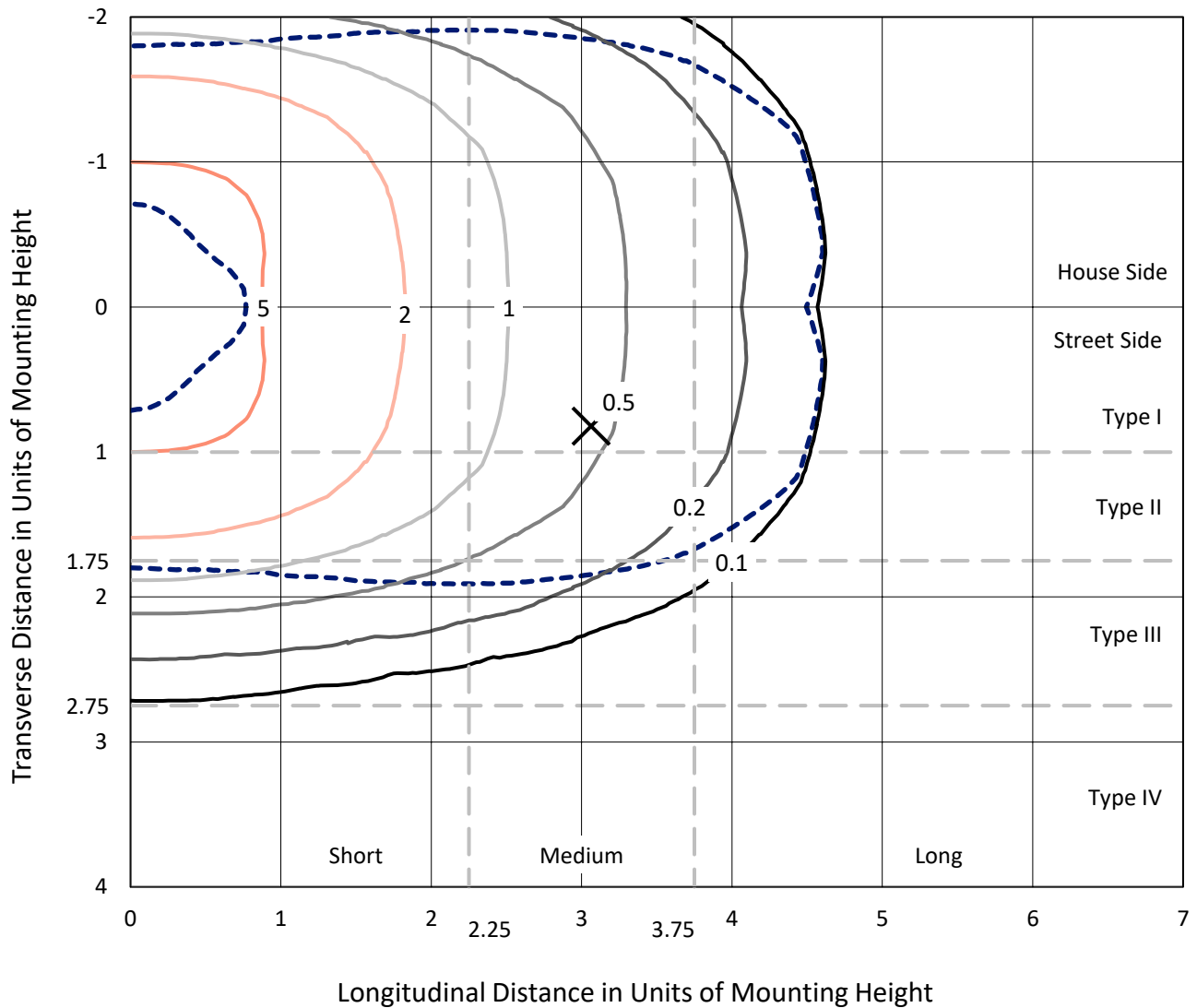
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

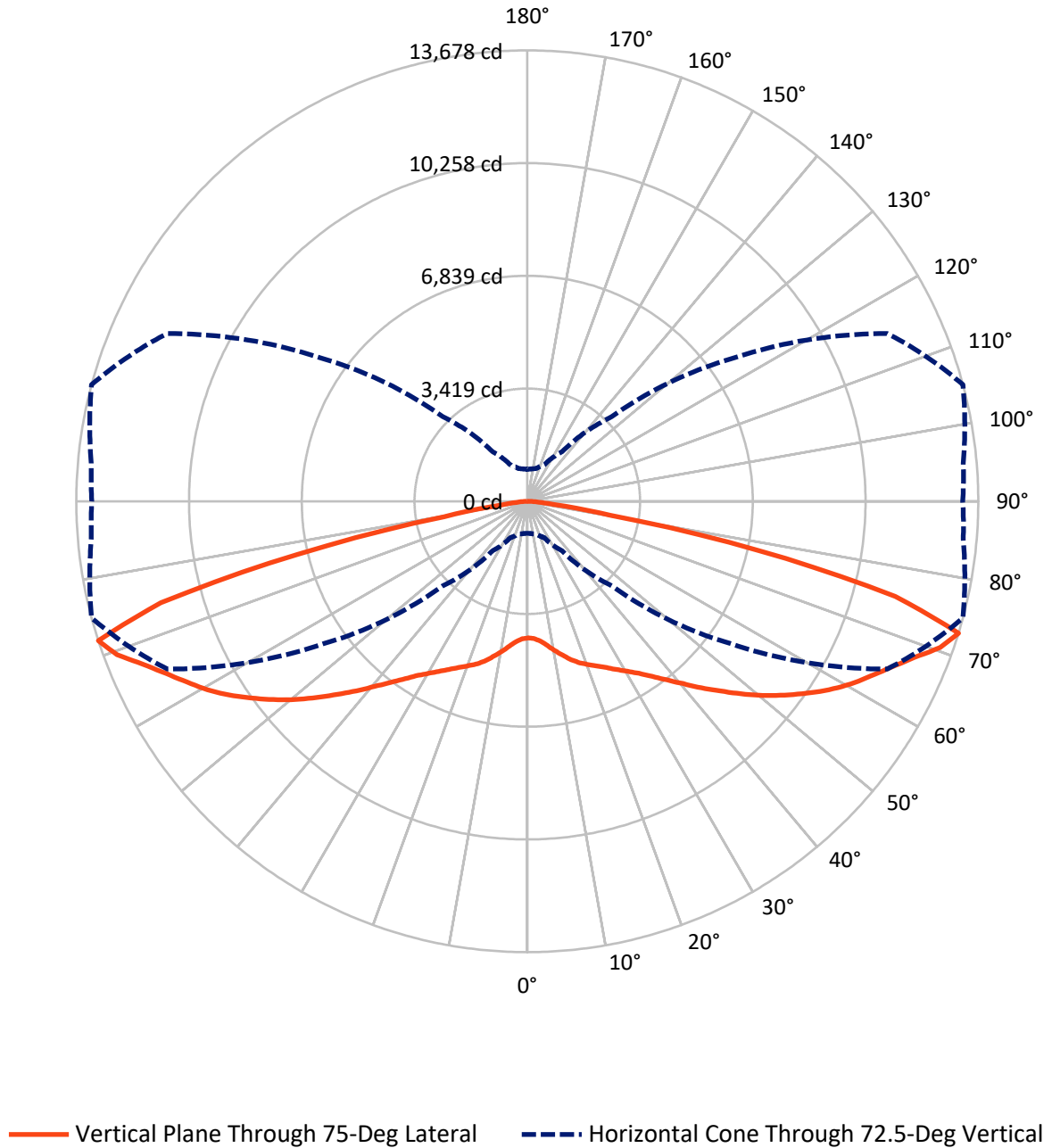
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	19339.5	0.0	19339.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19339.5	0.0	19339.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38679.0	0.0	38679.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.9	1.0
10°-20°	1338.6	3.5
20°-30°	2586.6	6.7
30°-40°	4367.6	11.3
40°-50°	6926.6	17.9
50°-60°	9273.9	24.0
60°-70°	8825.8	22.8
70°-80°	4605.4	11.9
80°-90°	348.6	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°	38679.0	100.0
0°-180°	38679.0	100.0



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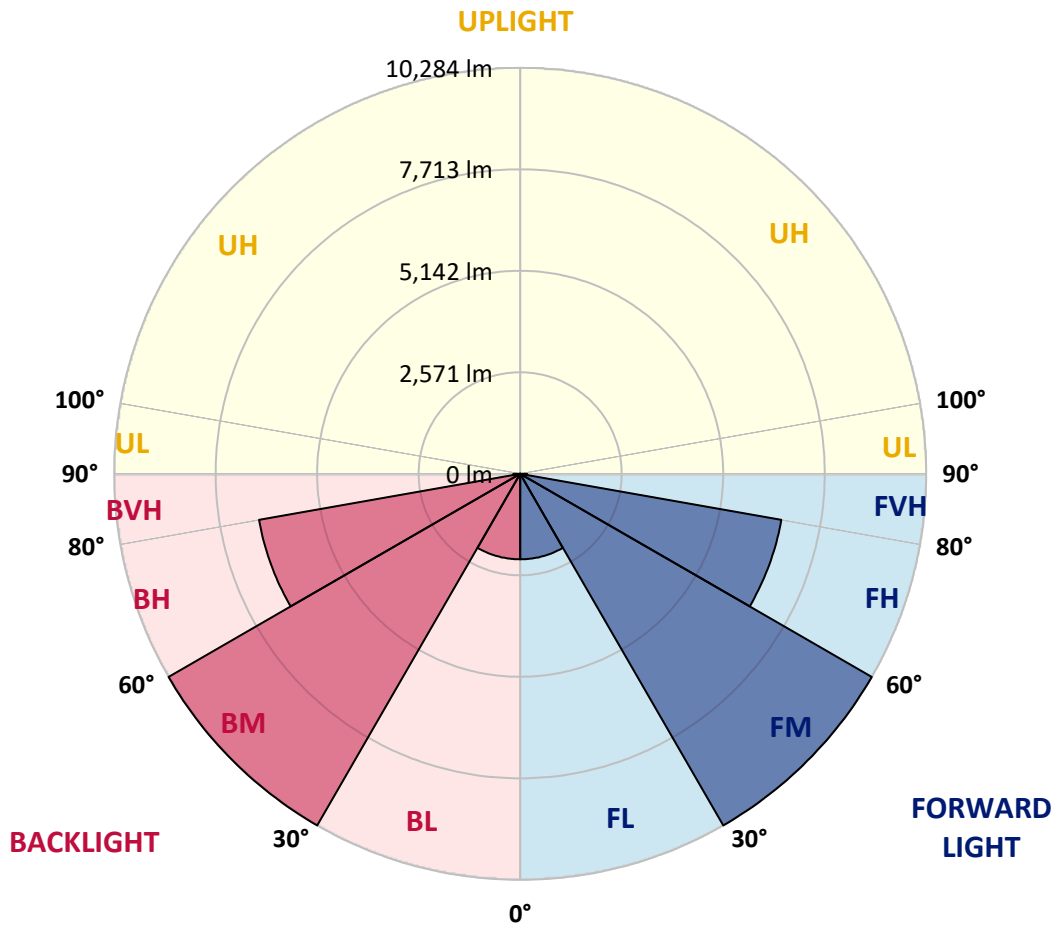
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2165.5	5.6			
FM (30°-60°)	10284.1	26.6			
FH (60°-80°)	6715.6	17.4			G3/7500
FVH (80°-90°)	174.3	0.5			G2/225
BL (0°-30°)	2165.5	5.6	B3/2500		
BM (30°-60°)	10284.1	26.6	B5		
BH (60°-80°)	6715.6	17.4	B5		G5
BVH (80°-90°)	174.3	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°	4143.2	4143.2	4143.2	4143.2	4143.2	4143.2	4143.2	4143.2	4143.2	4143.2
2.5°	4143.2	4139.3	4143.2	4147.2	4145.2	4145.2	4155.1	4161.0	4172.8	4170.9
5°	4115.6	4113.6	4129.4	4147.2	4161.0	4184.7	4214.3	4236.0	4263.7	4269.6
7.5°	4101.7	4095.8	4123.5	4155.1	4198.5	4257.8	4315.0	4374.3	4421.7	4437.5
10°	4111.6	4113.6	4151.1	4210.4	4279.5	4362.4	4443.4	4544.1	4611.3	4627.0
12.5°	4157.0	4153.1	4216.3	4311.1	4405.9	4510.5	4605.3	4715.9	4789.0	4826.5
15°	4240.0	4232.1	4320.9	4461.2	4599.4	4721.8	4798.9	4903.5	4988.4	5035.8
17.5°	4338.7	4342.7	4459.2	4640.9	4822.6	4960.8	5033.9	5087.2	5152.4	5193.8
20°	4512.5	4520.4	4650.7	4866.0	5073.4	5231.3	5290.6	5270.8	5288.6	5320.2
22.5°	4745.5	4749.5	4895.6	5128.7	5345.9	5519.7	5559.2	5478.2	5428.8	5450.6
25°	5016.1	5041.8	5187.9	5426.9	5650.0	5815.9	5833.7	5711.2	5588.8	5594.7
27.5°	5345.9	5369.6	5517.7	5754.7	5981.8	6126.0	6124.0	5960.1	5780.4	5734.9
30°	5703.3	5729.0	5881.1	6126.0	6337.3	6463.6	6436.0	6240.5	5983.8	5898.8
32.5°	6127.9	6143.7	6297.8	6542.6	6738.2	6838.9	6781.6	6540.7	6220.7	6124.0
35°	6641.4	6665.1	6779.6	7010.7	7182.5	7265.4	7168.7	6884.3	6524.9	6416.3
37.5°	7227.9	7212.1	7342.5	7547.8	7690.0	7741.4	7609.1	7271.4	6872.4	6744.1
40°	7840.1	7832.2	7974.4	8171.9	8248.9	8280.5	8085.0	7715.7	7273.3	7135.1
42.5°	8395.0	8389.1	8580.7	8799.9	8892.7	8857.2	8610.3	8187.7	7737.4	7579.4
45°	8839.4	8831.5	9066.5	9374.6	9556.2	9497.0	9165.2	8709.0	8207.4	8043.5
47.5°	9181.0	9185.0	9437.8	9818.9	10136.9	10158.6	9732.0	9240.3	8724.8	8539.2
50°	9427.9	9439.7	9710.3	10132.9	10567.4	10758.9	10310.6	9785.3	9260.0	9050.7
52.5°	9489.1	9510.8	9836.7	10332.4	10843.8	11209.2	10899.1	10308.7	9767.6	9568.1
55°	9163.3	9206.7	9619.4	10316.6	11013.7	11505.4	11416.5	10839.9	10279.0	10073.7
57.5°	8414.8	8476.0	8957.9	9868.3	10976.2	11708.8	11817.4	11349.4	10790.5	10593.0
60°	7366.2	7439.2	7901.3	8894.7	10446.9	11783.9	12099.8	11845.1	11260.5	11069.0
62.5°	5784.3	5879.1	6432.1	7597.2	9329.1	11434.3	12340.8	12293.4	11683.2	11444.2
65°	3710.7	3811.4	4394.0	5770.5	7838.1	10364.0	12415.8	12729.8	12129.5	11795.7
67.5°	2237.5	2282.9	2571.2	3497.4	5729.0	8750.5	11779.9	13213.7	12650.8	12236.1
70°	1431.8	1457.4	1629.2	2053.8	3238.7	6384.7	10204.0	13304.5	13282.8	12688.3
72.5°	971.6	979.5	1024.9	1216.5	1832.7	3627.8	7526.1	12044.5	13677.7	13270.9
75°	710.9	754.4	827.5	861.0	1040.7	1812.9	4313.0	8462.2	11527.1	11704.9
77.5°	529.3	531.2	631.9	671.4	742.5	965.7	1824.8	4723.8	7156.8	7514.3
80°	448.3	424.6	422.6	541.1	558.9	602.3	815.6	1631.2	2563.3	1554.2
82.5°	373.2	347.6	314.0	422.6	381.1	369.3	353.5	663.5	815.6	400.9
85°	260.7	248.8	237.0	276.5	217.2	185.6	169.8	310.0	343.6	169.8
87.5°	112.6	116.5	118.5	122.4	90.8	65.2	65.2	86.9	86.9	67.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4143.2
4168.9
4269.6
4441.4
4642.8
4842.3
5053.6
5213.6
5343.9
5466.4
5604.6
5748.8
5908.7
6147.7
6432.1
6767.8
7180.5
7618.9
8081.0
8594.5
9113.9
9619.4
10130.9
10638.5
11110.4
11471.8
11837.2
12267.7
12684.4
13207.7
11274.4
6702.6
1175.0
341.6
150.1
49.4
0.0

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