

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: P952352

Luminaire Tested: **GALN-SB6B-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952352
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-SB6B-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32615 lumens
Efficiency: N/A
Efficacy: 148.0 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): 220.4
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

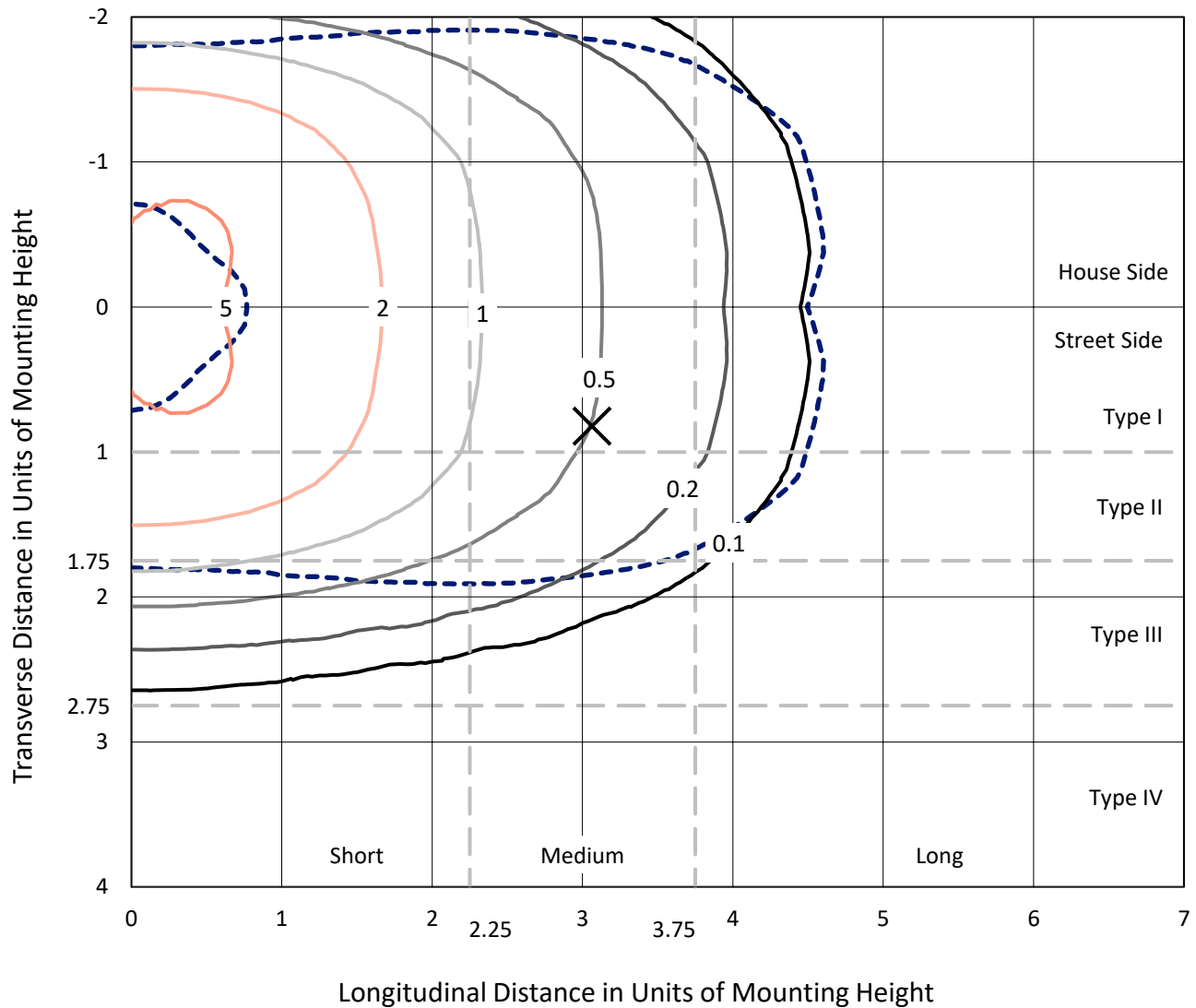


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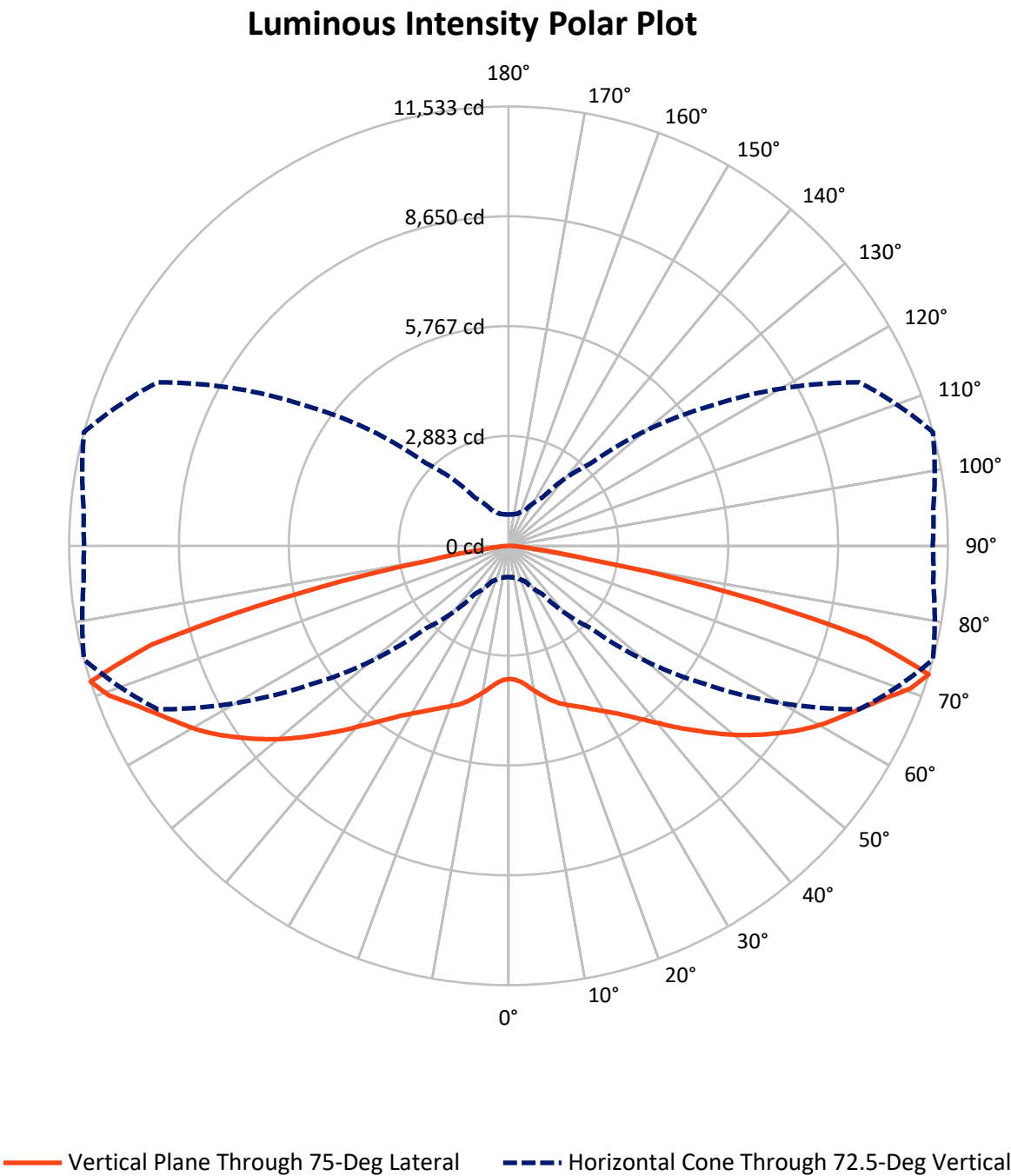
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16307.5	0.0	16307.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16307.5	0.0	16307.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32615.0	0.0	32615.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.2	1.0
10°-20°	1128.8	3.5
20°-30°	2181.1	6.7
30°-40°	3682.9	11.3
40°-50°	5840.6	17.9
50°-60°	7819.9	24.0
60°-70°	7442.1	22.8
70°-80°	3883.4	11.9
80°-90°	294.0	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°	32615.0	100.0
0°-180°	32615.0	100.0

Coefficient of Utilization



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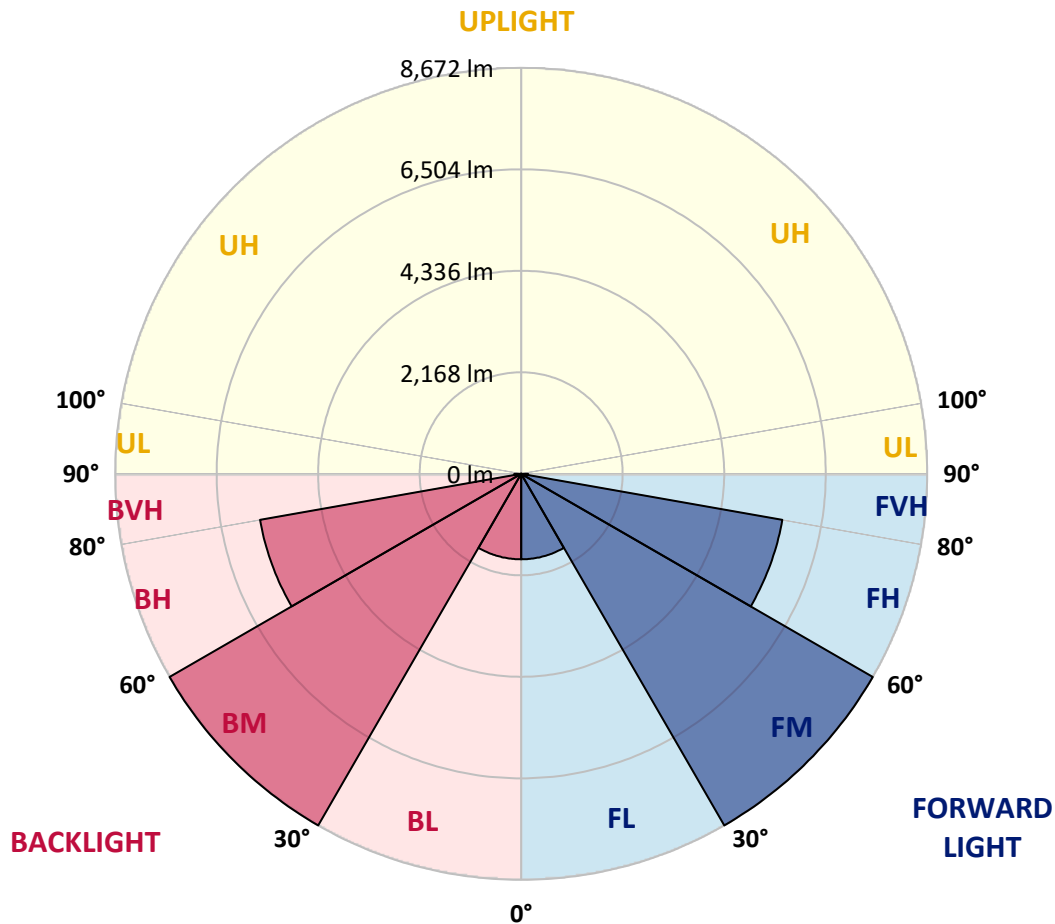
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1826.0	5.6			
FM	(30°-60°)	8671.7	26.6			
FH	(60°-80°)	5662.7	17.4			G3/7500
FVH	(80°-90°)	147.0	0.5			G2/225
BL	(0°-30°)	1826.0	5.6	B3/2500		
BM	(30°-60°)	8671.7	26.6	B5		
BH	(60°-80°)	5662.7	17.4	B5		G5
BVH	(80°-90°)	147.0	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°	90°
0°	3493.7	3493.7	3493.7	3493.7	3493.7	3493.7	3493.7	3493.7	3493.7	3493.7	3493.7
2.5°	3493.7	3490.3	3493.7	3497.0	3495.3	3495.3	3503.6	3508.6	3518.6	3517.0	3515.3
5°	3470.3	3468.7	3482.0	3497.0	3508.6	3528.6	3553.6	3571.9	3595.2	3600.2	3600.2
7.5°	3458.7	3453.7	3477.0	3503.6	3540.3	3590.2	3638.5	3688.5	3728.4	3741.8	3745.1
10°	3467.0	3468.7	3500.3	3550.3	3608.6	3678.5	3746.8	3831.7	3888.3	3901.6	3915.0
12.5°	3505.3	3502.0	3555.3	3635.2	3715.1	3803.4	3883.3	3976.6	4038.2	4069.8	4083.1
15°	3575.2	3568.6	3643.5	3761.8	3878.3	3981.6	4046.5	4134.8	4206.4	4246.3	4261.3
17.5°	3658.5	3661.8	3760.1	3913.3	4066.5	4183.1	4244.7	4289.6	4344.6	4379.6	4396.2
20°	3805.0	3811.7	3921.6	4103.1	4278.0	4411.2	4461.1	4444.5	4459.5	4486.1	4506.1
22.5°	4001.5	4004.9	4128.1	4324.6	4507.8	4654.3	4687.6	4619.3	4577.7	4596.0	4609.4
25°	4229.7	4251.3	4374.6	4576.0	4764.2	4904.1	4919.1	4815.8	4712.6	4717.6	4725.9
27.5°	4507.8	4527.8	4652.6	4852.5	5044.0	5165.5	5163.9	5025.7	4874.1	4835.8	4847.5
30°	4809.2	4830.8	4959.1	5165.5	5343.7	5450.3	5427.0	5262.1	5045.6	4974.0	4982.4
32.5°	5167.2	5180.5	5310.4	5516.9	5681.8	5766.7	5718.4	5515.2	5245.5	5163.9	5183.9
35°	5600.2	5620.1	5716.7	5911.6	6056.4	6126.4	6044.8	5805.0	5501.9	5410.3	5423.7
37.5°	6094.7	6081.4	6191.3	6364.5	6484.4	6527.7	6416.1	6131.4	5795.0	5686.8	5706.7
40°	6611.0	6604.3	6724.2	6890.7	6955.7	6982.3	6817.4	6506.0	6133.0	6016.5	6054.8
42.5°	7078.9	7073.9	7235.4	7420.3	7498.5	7468.6	7260.4	6904.0	6524.4	6391.1	6424.5
45°	7453.6	7446.9	7645.1	7904.8	8058.0	8008.1	7728.3	7343.7	6920.7	6782.5	6814.1
47.5°	7741.6	7745.0	7958.1	8279.5	8547.6	8565.9	8206.2	7791.6	7357.0	7200.5	7247.1
50°	7949.8	7959.8	8187.9	8544.3	8910.6	9072.2	8694.2	8251.2	7808.3	7631.7	7685.0
52.5°	8001.4	8019.7	8294.5	8712.5	9143.8	9451.8	9190.4	8692.5	8236.2	8068.0	8111.3
55°	7726.7	7763.3	8111.3	8699.2	9287.0	9701.6	9626.7	9140.4	8667.5	8494.3	8542.6
57.5°	7095.5	7147.2	7553.5	8321.1	9255.3	9873.1	9964.7	9570.1	9098.8	8932.3	8970.6
60°	6211.3	6272.9	6662.6	7500.2	8809.1	9936.4	10202.9	9988.0	9495.1	9333.6	9368.6
62.5°	4877.5	4957.4	5423.7	6406.1	7866.5	9641.7	10406.0	10366.1	9851.5	9650.0	9673.3
65°	3129.0	3213.9	3705.1	4865.8	6609.3	8739.1	10469.3	10734.1	10227.8	9946.4	9981.4
67.5°	1886.7	1925.0	2168.1	2949.1	4830.8	7378.6	9933.1	11142.0	10667.5	10317.8	10344.4
70°	1207.3	1228.9	1373.8	1731.8	2731.0	5383.7	8604.2	11218.6	11200.3	10699.1	10695.8
72.5°	819.3	826.0	864.3	1025.8	1545.3	3059.0	6346.2	10156.2	11533.4	11190.3	11137.1
75°	599.5	636.1	697.7	726.0	877.6	1528.7	3636.9	7135.5	9719.9	9869.8	9506.8
77.5°	446.3	447.9	532.9	566.2	626.1	814.3	1538.7	3983.2	6034.8	6336.2	5651.8
80°	378.0	358.0	356.4	456.3	471.3	507.9	687.7	1375.5	2161.5	1310.5	990.8
82.5°	314.7	293.1	264.8	356.4	321.4	311.4	298.1	559.5	687.7	338.0	288.1
85°	219.8	209.8	199.8	233.1	183.2	156.5	143.2	261.4	289.7	143.2	126.6
87.5°	94.9	98.2	99.9	103.2	76.6	55.0	55.0	73.3	73.3	56.6	41.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)