

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: P953423

Luminaire Tested: **GALN-SB7A-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953423
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-SB7A-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30470 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 199.1
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

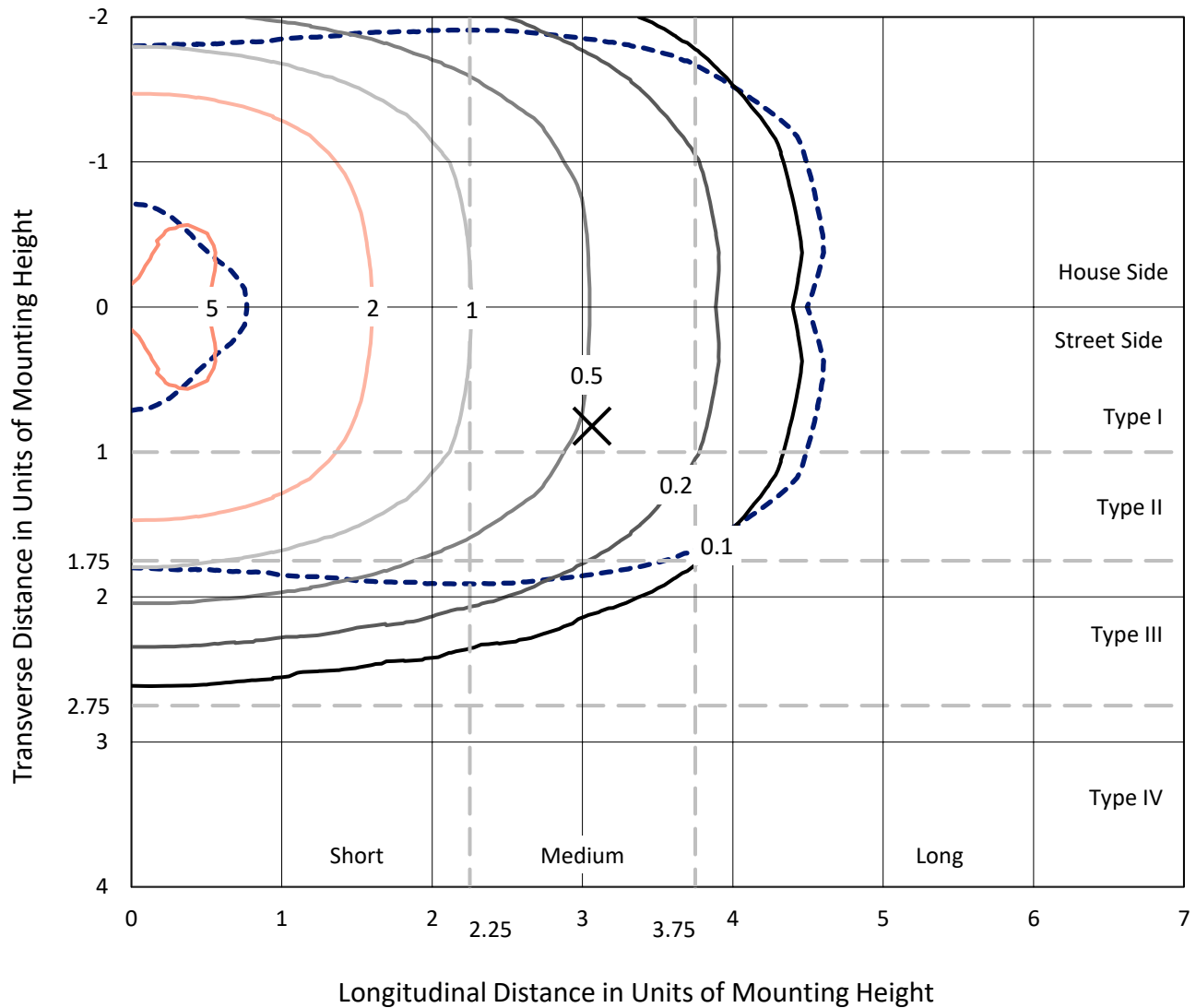


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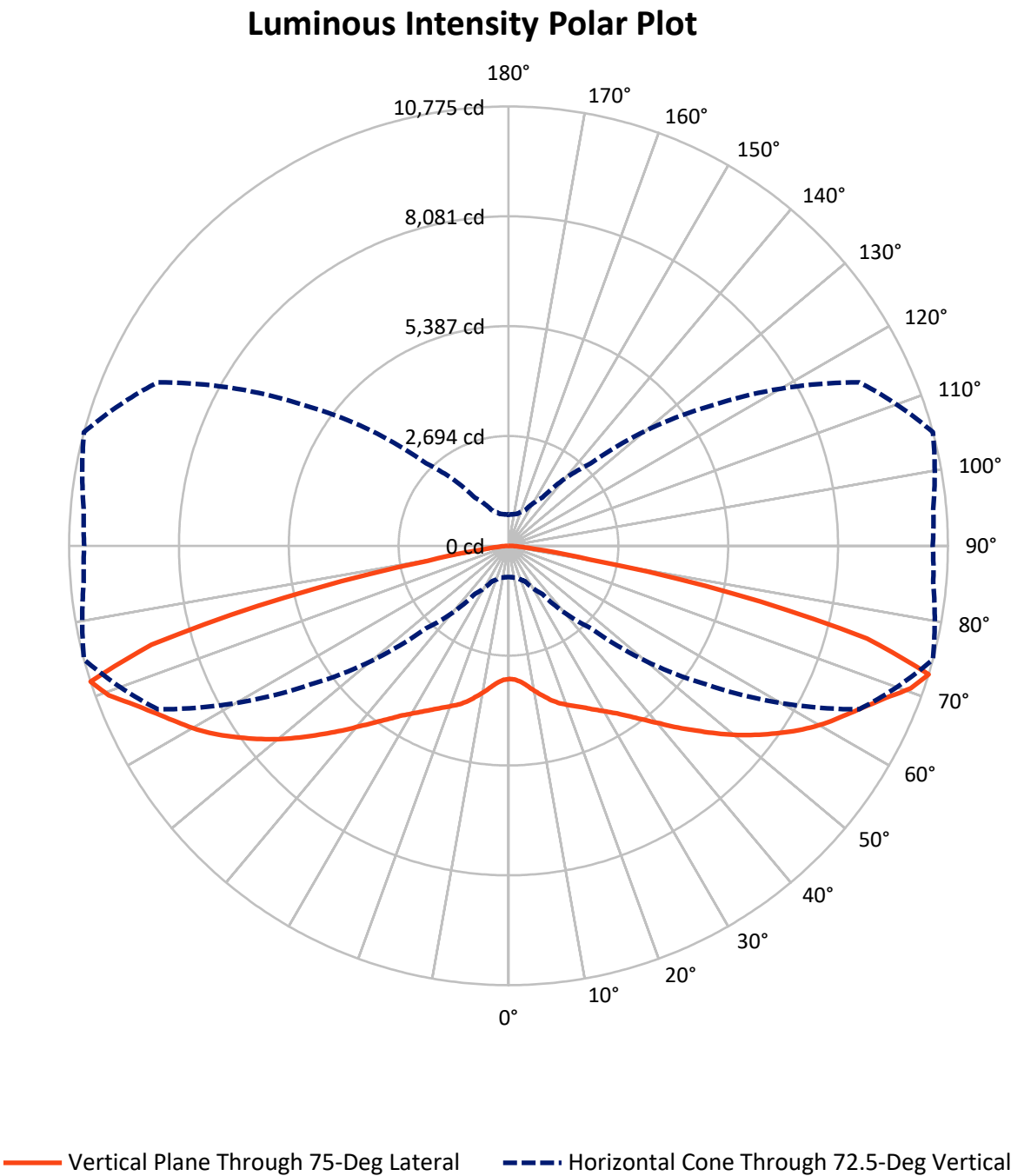
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15235.0	0.0	15235.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15235.0	0.0	15235.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30470.0	0.0	30470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.7	1.0
10°-20°	1054.5	3.5
20°-30°	2037.6	6.7
30°-40°	3440.7	11.3
40°-50°	5456.5	17.9
50°-60°	7305.7	24.0
60°-70°	6952.6	22.8
70°-80°	3628.0	11.9
80°-90°	274.6	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°	30470.0	100.0
0°-180°	30470.0	100.0

Coefficient of Utilization



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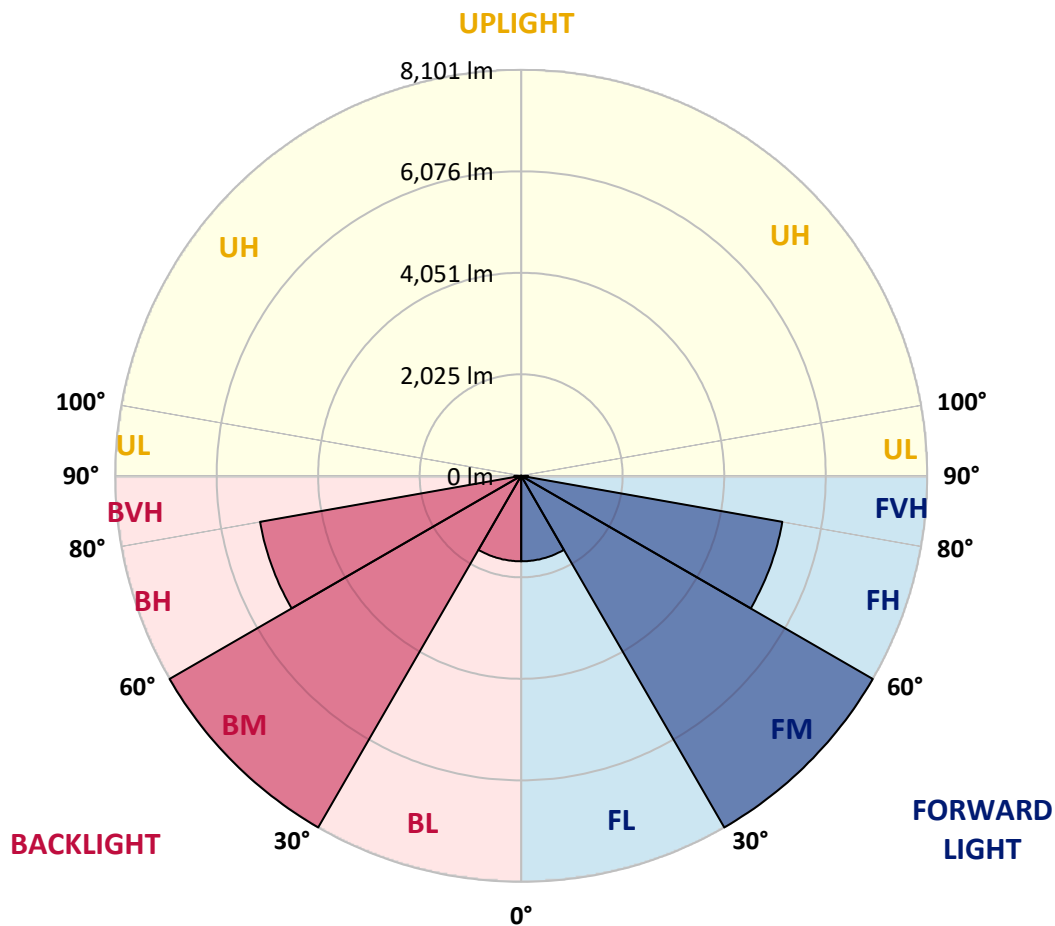
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1705.9	5.6			
FM	(30°-60°)	8101.4	26.6			
FH	(60°-80°)	5290.3	17.4			G3/7500
FVH	(80°-90°)	137.3	0.5			G2/225
BL	(0°-30°)	1705.9	5.6	B3/2500		
BM	(30°-60°)	8101.4	26.6	B4/8500		
BH	(60°-80°)	5290.3	17.4	B5		G5
BVH	(80°-90°)	137.3	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°	90°
0°	3263.9	3263.9	3263.9	3263.9	3263.9	3263.9	3263.9	3263.9	3263.9	3263.9	3263.9
2.5°	3263.9	3260.8	3263.9	3267.0	3265.4	3265.4	3273.2	3277.9	3287.2	3285.7	3284.1
5°	3242.1	3240.5	3253.0	3267.0	3277.9	3296.6	3319.9	3337.0	3358.8	3363.4	3363.4
7.5°	3231.2	3226.5	3248.3	3273.2	3307.4	3354.1	3399.2	3445.9	3483.2	3495.7	3498.8
10°	3239.0	3240.5	3270.1	3316.8	3371.2	3436.6	3500.4	3579.7	3632.6	3645.0	3657.5
12.5°	3274.8	3271.7	3321.4	3396.1	3470.8	3553.2	3627.9	3715.0	3772.6	3802.2	3814.6
15°	3340.1	3333.9	3403.9	3514.4	3623.3	3719.7	3780.4	3862.8	3929.7	3967.1	3981.1
17.5°	3417.9	3421.0	3512.8	3655.9	3799.0	3907.9	3965.5	4007.5	4058.9	4091.5	4107.1
20°	3554.8	3561.0	3663.7	3833.3	3996.6	4121.1	4167.8	4152.2	4166.2	4191.1	4209.8
22.5°	3738.4	3741.5	3856.6	4040.2	4211.3	4348.2	4379.3	4315.5	4276.7	4293.8	4306.2
25°	3951.5	3971.7	4086.9	4275.1	4450.9	4581.6	4595.6	4499.1	4402.7	4407.3	4415.1
27.5°	4211.3	4230.0	4346.7	4533.3	4712.2	4825.8	4824.3	4695.1	4553.6	4517.8	4528.7
30°	4492.9	4513.1	4632.9	4825.8	4992.3	5091.8	5070.1	4916.0	4713.8	4646.9	4654.7
32.5°	4827.4	4839.8	4961.2	5154.1	5308.1	5387.4	5342.3	5152.5	4900.5	4824.3	4842.9
35°	5231.9	5250.5	5340.8	5522.8	5658.1	5723.5	5647.2	5423.2	5140.1	5054.5	5067.0
37.5°	5693.9	5681.5	5784.1	5945.9	6057.9	6098.4	5994.2	5728.1	5413.9	5312.8	5331.4
40°	6176.2	6170.0	6282.0	6437.5	6498.2	6523.1	6369.1	6078.2	5729.7	5620.8	5656.6
42.5°	6613.3	6608.7	6759.6	6932.2	7005.4	6977.4	6782.9	6450.0	6095.3	5970.8	6001.9
45°	6963.4	6957.1	7142.3	7385.0	7528.1	7481.4	7220.1	6860.7	6465.5	6336.4	6366.0
47.5°	7232.5	7235.6	7434.7	7735.0	7985.5	8002.6	7666.5	7279.2	6873.1	6726.9	6770.5
50°	7427.0	7436.3	7649.4	7982.4	8324.6	8475.5	8122.4	7708.5	7294.7	7129.8	7179.6
52.5°	7475.2	7492.3	7749.0	8139.5	8542.4	8830.2	8586.0	8120.8	7694.5	7537.4	7577.9
55°	7218.5	7252.7	7577.9	8127.0	8676.2	9063.6	8993.6	8539.3	8097.5	7935.7	7980.8
57.5°	6628.9	6677.1	7056.7	7773.9	8646.6	9223.8	9309.4	8940.7	8500.4	8344.8	8380.6
60°	5802.8	5860.4	6224.4	7006.9	8229.7	9282.9	9531.8	9331.2	8870.7	8719.8	8752.4
62.5°	4556.7	4631.4	5067.0	5984.8	7349.2	9007.6	9721.6	9684.3	9203.6	9015.3	9037.1
65°	2923.2	3002.5	3461.5	4545.8	6174.6	8164.4	9780.8	10028.1	9555.2	9292.3	9324.9
67.5°	1762.6	1798.4	2025.5	2755.2	4513.1	6893.4	9279.8	10409.3	9965.9	9639.2	9664.1
70°	1127.9	1148.1	1283.5	1617.9	2551.4	5029.6	8038.4	10480.8	10463.7	9995.4	9992.3
72.5°	765.4	771.6	807.4	958.3	1443.7	2857.8	5928.8	9488.3	10774.9	10454.4	10404.6
75°	560.1	594.3	651.8	678.3	819.9	1428.1	3397.7	6666.2	9080.7	9220.7	8881.6
77.5°	416.9	418.5	497.8	528.9	584.9	760.7	1437.5	3721.3	5637.9	5919.5	5280.1
80°	353.1	334.5	332.9	426.3	440.3	474.5	642.5	1285.0	2019.3	1224.3	925.6
82.5°	294.0	273.8	247.4	332.9	300.3	290.9	278.5	522.7	642.5	315.8	269.1
85°	205.4	196.0	186.7	217.8	171.1	146.2	133.8	244.2	270.7	133.8	118.2
87.5°	88.7	91.8	93.3	96.5	71.6	51.3	51.3	68.5	68.5	52.9	38.9
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)