

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: P952478

Luminaire Tested: **GALN-SB6B-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952478
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-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30576 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

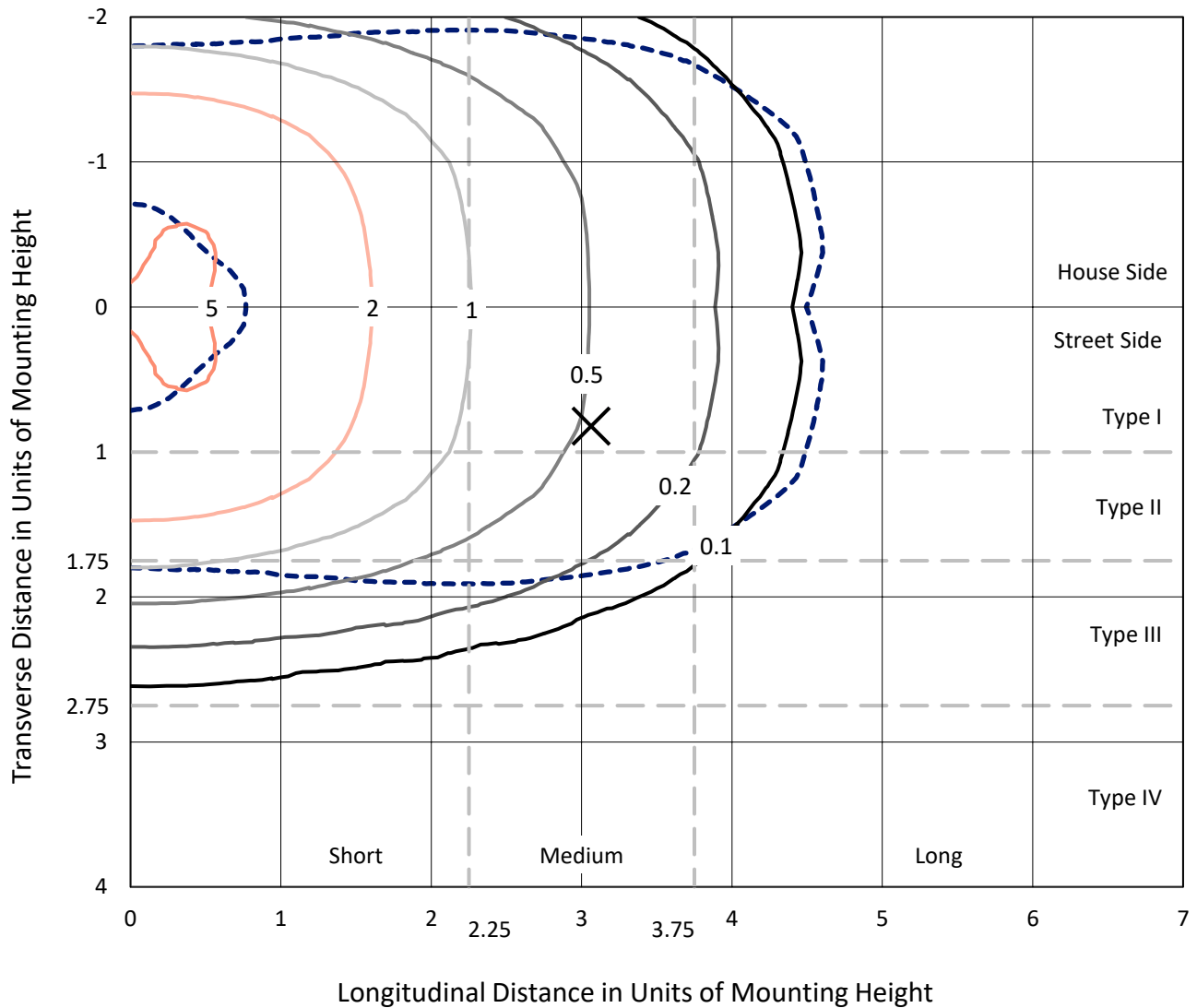
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952478
 CATALOG NUMBER: GALN-SB6B-827-U-RW

Iso-Footcandle Lines of Horizontal Illumination

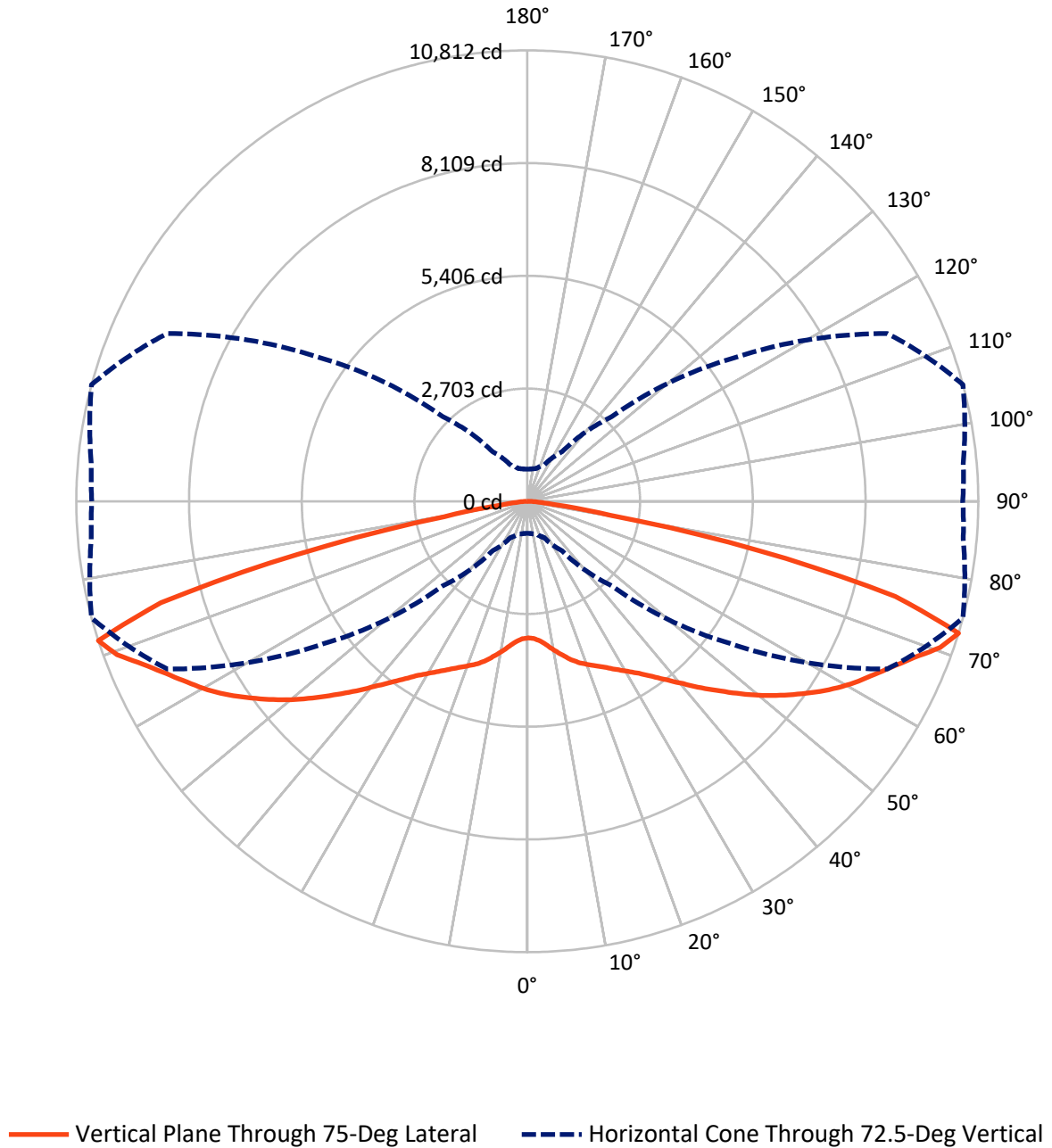
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P952478
CATALOG NUMBER: GALN-SB6B-827-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P952478

CATALOG NUMBER: GALN-SB6B-827-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15288.0	0.0	15288.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15288.0	0.0	15288.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30576.0	0.0	30576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.8	1.0
10°-20°	1058.2	3.5
20°-30°	2044.7	6.7
30°-40°	3452.6	11.3
40°-50°	5475.5	17.9
50°-60°	7331.1	24.0
60°-70°	6976.8	22.8
70°-80°	3640.6	11.9
80°-90°	275.6	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°	30576.0	100.0
0°-180°	30576.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952478

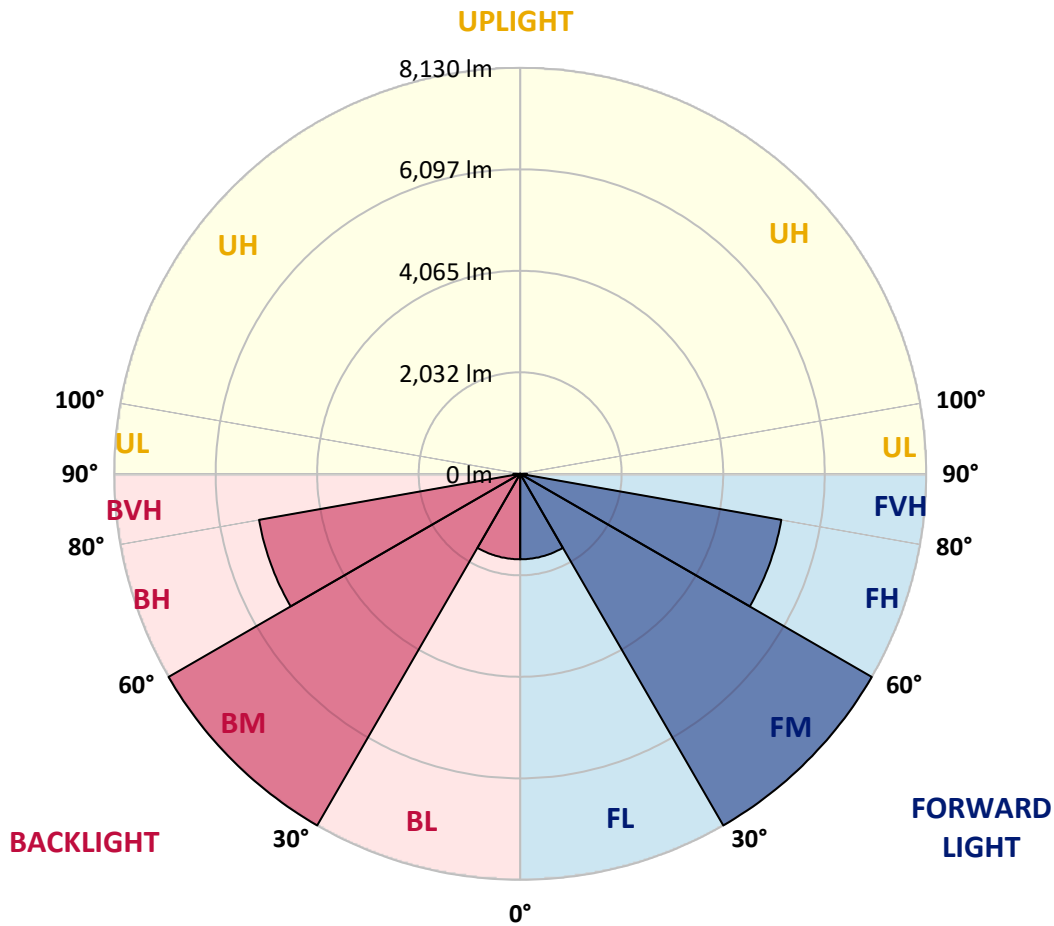
CATALOG NUMBER: GALN-SB6B-827-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1711.9	5.6			
FM (30°-60°)	8129.6	26.6			
FH (60°-80°)	5308.7	17.4			G3/7500
FVH (80°-90°)	137.8	0.5			G2/225
BL (0°-30°)	1711.9	5.6	B3/2500		
BM (30°-60°)	8129.6	26.6	B4/8500		
BH (60°-80°)	5308.7	17.4	B5		G5
BVH (80°-90°)	137.8	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



REPORT NUMBER: P952478

CATALOG NUMBER: GALN-SB6B-827-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3275.2	3275.2	3275.2	3275.2	3275.2	3275.2	3275.2	3275.2	3275.2	3275.2
2.5°	3275.2	3272.1	3275.2	3278.4	3276.8	3276.8	3284.6	3289.3	3298.7	3297.1
5°	3253.4	3251.8	3264.3	3278.4	3289.3	3308.0	3331.4	3348.6	3370.5	3375.1
7.5°	3242.5	3237.8	3259.6	3284.6	3318.9	3365.8	3411.1	3457.9	3495.4	3507.8
10°	3250.3	3251.8	3281.5	3328.3	3383.0	3448.5	3512.5	3592.1	3645.2	3657.7
12.5°	3286.2	3283.0	3333.0	3407.9	3482.9	3565.6	3640.5	3728.0	3785.7	3815.4
15°	3351.7	3345.5	3415.7	3526.6	3635.9	3732.6	3793.5	3876.3	3943.4	3980.9
17.5°	3429.8	3432.9	3525.0	3668.6	3812.3	3921.5	3979.3	4021.5	4073.0	4105.8
20°	3567.2	3573.4	3676.4	3846.6	4010.5	4135.4	4182.2	4166.6	4180.7	4205.7
22.5°	3751.4	3754.5	3870.0	4054.2	4226.0	4363.3	4394.6	4330.6	4291.5	4308.7
25°	3965.3	3985.5	4101.1	4290.0	4466.4	4597.5	4611.6	4514.8	4418.0	4422.7
27.5°	4226.0	4244.7	4361.8	4549.1	4728.6	4842.6	4841.0	4711.5	4569.4	4533.5
30°	4508.5	4528.8	4649.0	4842.6	5009.6	5109.6	5087.7	4933.2	4730.2	4663.1
32.5°	4844.2	4856.7	4978.4	5172.0	5326.6	5406.2	5360.9	5170.4	4917.5	4841.0
35°	5250.1	5268.8	5359.3	5542.0	5677.8	5743.4	5666.9	5442.1	5158.0	5072.1
37.5°	5713.7	5701.2	5804.3	5966.6	6079.0	6119.6	6015.0	5748.1	5432.7	5331.2
40°	6197.7	6191.4	6303.8	6459.9	6520.8	6545.8	6391.2	6099.3	5749.6	5640.3
42.5°	6636.3	6631.7	6783.1	6956.4	7029.7	7001.6	6806.5	6472.4	6116.5	5991.6
45°	6987.6	6981.3	7167.1	7410.7	7554.3	7507.4	7245.2	6884.6	6488.0	6358.5
47.5°	7257.7	7260.8	7460.6	7761.9	8013.2	8030.4	7693.2	7304.5	6897.0	6750.3
50°	7452.8	7462.2	7676.0	8010.1	8353.6	8505.0	8150.6	7735.4	7320.1	7154.6
52.5°	7501.2	7518.4	7776.0	8167.8	8572.1	8860.9	8615.8	8149.1	7721.3	7563.6
55°	7243.6	7278.0	7604.2	8155.3	8706.4	9095.1	9024.9	8569.0	8125.6	7963.3
57.5°	6651.9	6700.3	7081.3	7800.9	8676.7	9255.9	9341.8	8971.8	8530.0	8373.9
60°	5823.0	5880.8	6246.1	7031.3	8258.3	9315.2	9565.0	9363.6	8901.5	8750.1
62.5°	4572.5	4647.5	5084.6	6005.6	7374.7	9038.9	9755.5	9718.0	9235.6	9046.7
65°	2933.4	3013.0	3473.5	4561.6	6196.1	8192.8	9814.8	10063.0	9588.4	9324.6
67.5°	1768.8	1804.7	2032.6	2764.7	4528.8	6917.3	9312.1	10445.5	10000.6	9672.7
70°	1131.8	1152.1	1287.9	1623.6	2560.2	5047.1	8066.3	10517.3	10500.1	10030.2
72.5°	768.1	774.3	810.2	961.7	1448.7	2867.8	5949.4	9521.3	10812.3	10490.7
75°	562.0	596.3	654.1	680.6	822.7	1433.1	3409.5	6689.4	9112.3	9252.8
77.5°	418.4	419.9	499.6	530.8	587.0	763.4	1442.5	3734.2	5657.5	5940.1
80°	354.4	335.6	334.1	427.7	441.8	476.1	644.7	1289.5	2026.3	1228.6
82.5°	295.1	274.8	248.2	334.1	301.3	291.9	279.4	524.5	644.7	316.9
85°	206.1	196.7	187.3	218.6	171.7	146.7	134.3	245.1	271.6	134.3
87.5°	89.0	92.1	93.7	96.8	71.8	51.5	51.5	68.7	68.7	53.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3275.2
3295.5
3375.1
3511.0
3670.2
3827.9
3994.9
4121.4
4224.4
4321.2
4430.5
4544.4
4670.9
4859.8
5084.6
5350.0
5676.2
6022.8
6388.1
6794.0
7204.6
7604.2
8008.6
8409.8
8782.9
9068.6
9357.4
9697.7
10027.1
10440.8
8912.5
5298.5
928.9
270.1
118.6
39.0
0.0

OF REPORT)