

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: P953189

Luminaire Tested: **GALN-SB6D-827-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-827-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56229 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

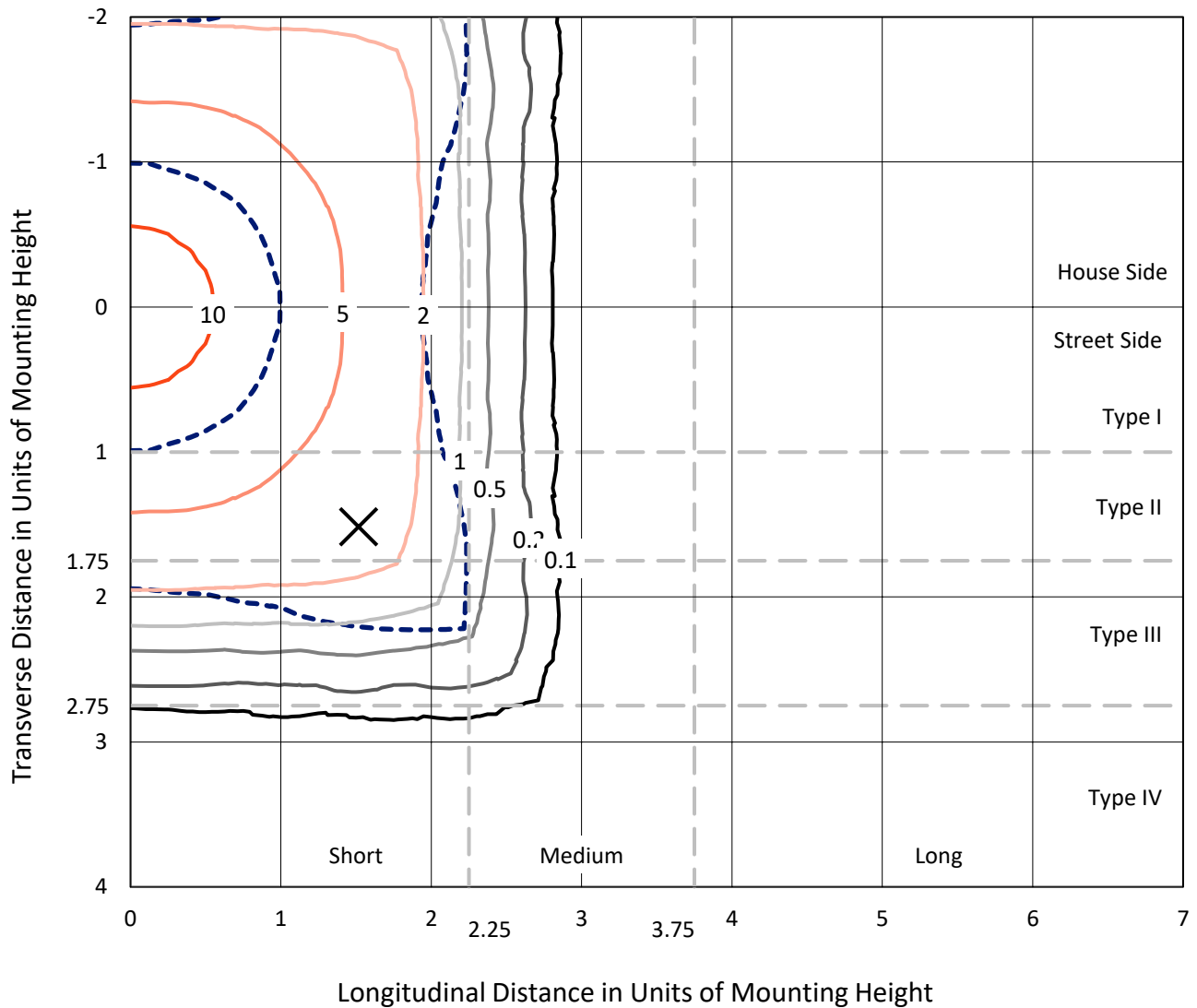
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953189
 CATALOG NUMBER: GALN-SB6D-827-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

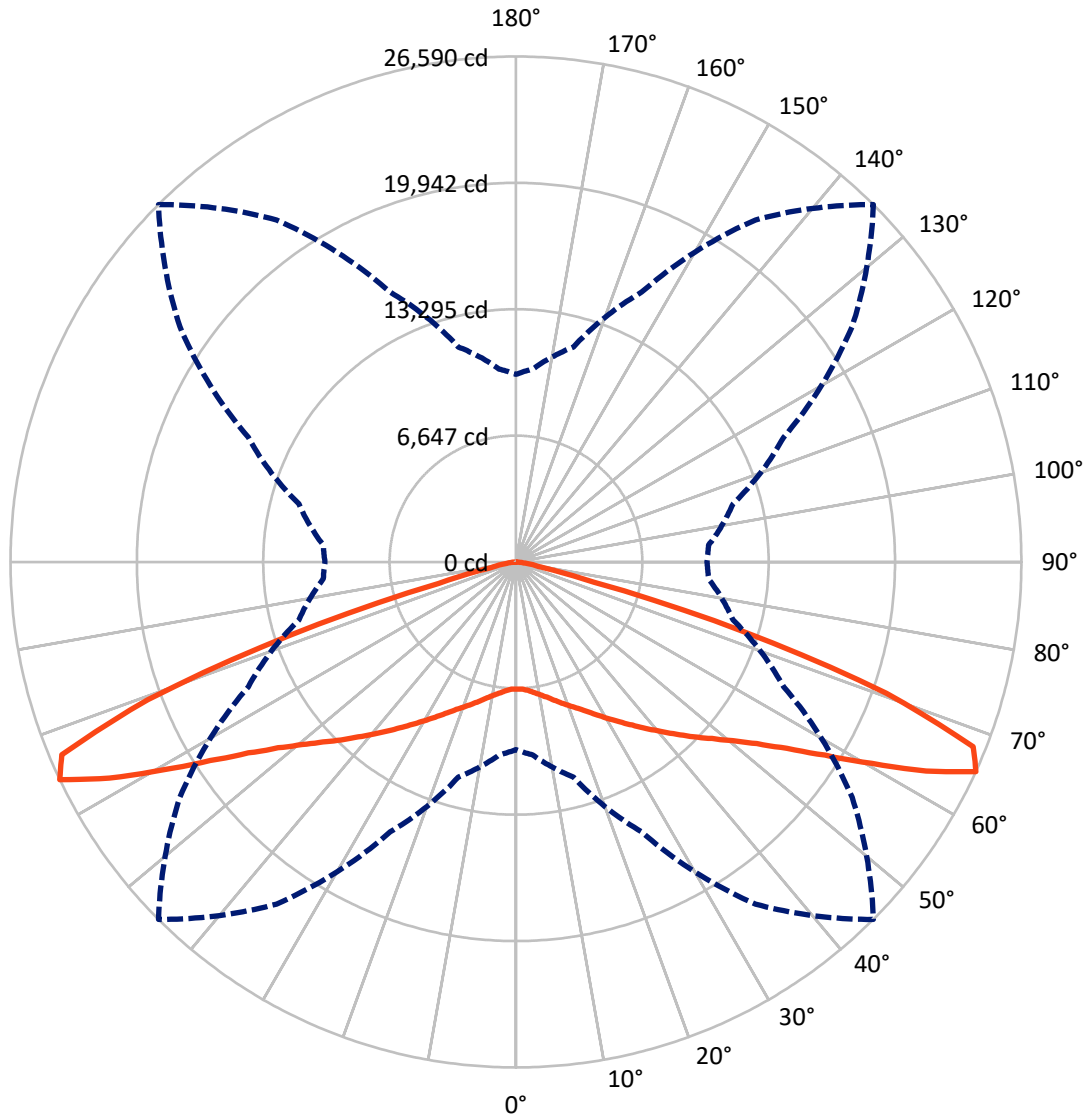
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type V - Short - N/A

REPORT NUMBER: P953189
CATALOG NUMBER: GALN-SB6D-827-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P953189

CATALOG NUMBER: GALN-SB6D-827-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28114.5	0.0	28114.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28114.5	0.0	28114.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	56229.0	0.0	56229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.4	1.2
10°-20°	2155.0	3.8
20°-30°	4068.9	7.2
30°-40°	6662.6	11.8
40°-50°	10330.5	18.4
50°-60°	15260.3	27.1
60°-70°	14526.4	25.8
70°-80°	2344.0	4.2
80°-90°	221.0	0.4
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°	56229.0	100.0
0°-180°	56229.0	100.0

Coefficient of Utilization



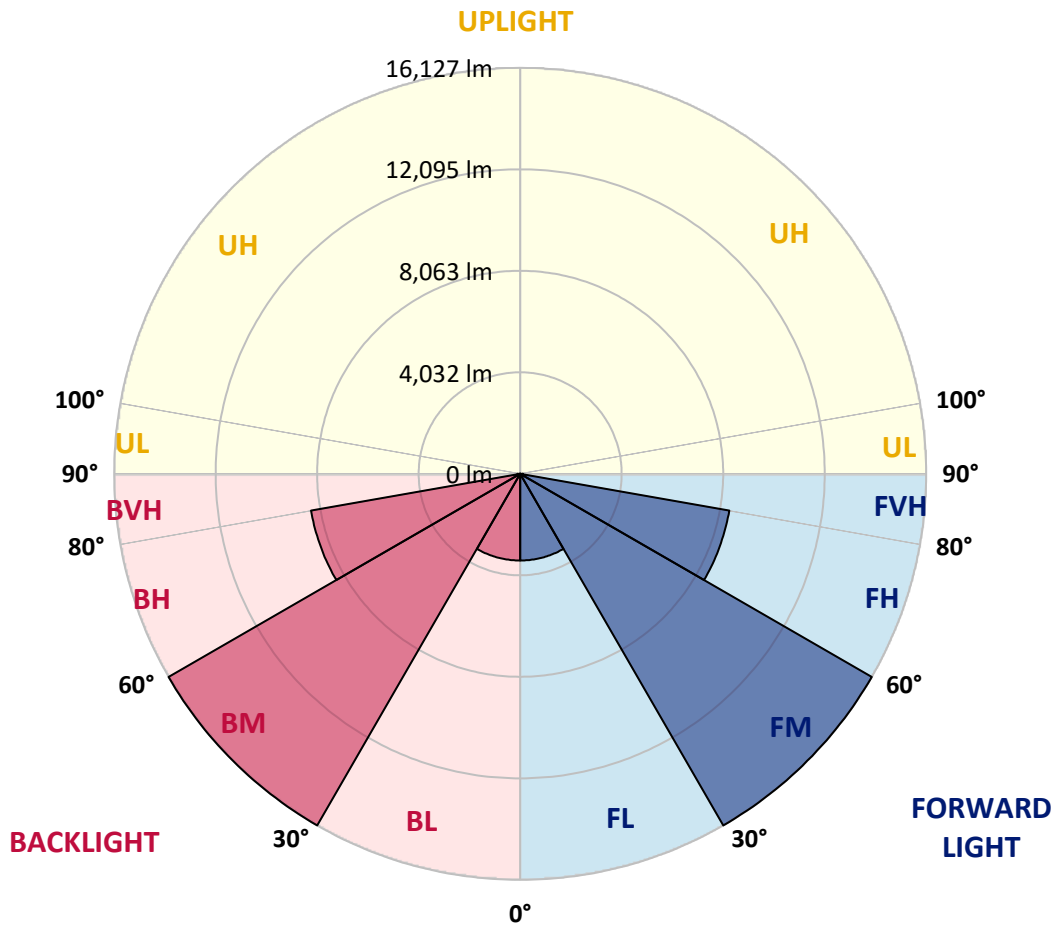
REPORT NUMBER: P953189
 CATALOG NUMBER: GALN-SB6D-827-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3442.1	6.1			
FM (30°-60°)	16126.7	28.7			
FH (60°-80°)	8435.2	15.0			G4/12000
FVH (80°-90°)	110.5	0.2			G2/225
BL (0°-30°)	3442.1	6.1	B4/5000		
BM (30°-60°)	16126.7	28.7	B5		
BH (60°-80°)	8435.2	15.0	B5		G4/12000
BVH (80°-90°)	110.5	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



REPORT NUMBER: P953189
 CATALOG NUMBER: GALN-SB6D-827-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6691.8	6691.8	6691.8	6691.8	6691.8	6691.8	6691.8	6691.8	6691.8	6691.8
2.5°	6737.0	6714.4	6731.3	6717.2	6705.9	6694.6	6700.3	6720.0	6728.5	6731.3
5°	6827.2	6807.5	6815.9	6815.9	6796.2	6790.6	6793.4	6807.5	6824.4	6824.4
7.5°	6973.9	6954.2	6973.9	6962.6	6945.7	6940.1	6937.3	6948.5	6973.9	6973.9
10°	7151.7	7129.1	7140.4	7134.7	7115.0	7106.5	7103.7	7120.6	7143.2	7140.4
12.5°	7346.3	7320.9	7335.0	7318.1	7312.5	7304.0	7304.0	7301.2	7315.3	7304.0
15°	7563.6	7546.6	7552.3	7541.0	7549.4	7543.8	7521.2	7510.0	7515.6	7498.7
17.5°	7820.3	7780.8	7800.5	7794.9	7794.9	7806.2	7769.5	7755.4	7766.7	7749.8
20°	8116.5	8077.0	8085.5	8074.2	8060.1	8071.4	8026.2	8037.5	8046.0	8034.7
22.5°	8440.9	8390.2	8387.3	8393.0	8361.9	8364.8	8333.7	8361.9	8378.9	8347.8
25°	8773.8	8720.2	8756.9	8742.8	8703.3	8711.8	8689.2	8717.4	8731.5	8692.0
27.5°	9126.5	9089.8	9123.7	9132.1	9084.2	9118.0	9084.2	9109.6	9123.7	9064.4
30°	9538.4	9501.7	9532.7	9555.3	9498.9	9552.5	9524.3	9541.2	9544.0	9473.5
32.5°	9986.9	9930.5	10009.5	10020.8	9958.7	10023.6	9986.9	10009.5	10023.6	9927.7
35°	10534.2	10463.7	10554.0	10539.9	10486.3	10539.9	10506.0	10539.9	10573.7	10458.1
37.5°	11123.9	11050.5	11146.4	11121.0	11070.3	11106.9	11087.2	11109.8	11163.4	11039.2
40°	11772.7	11682.5	11812.2	11767.1	11719.1	11713.5	11724.8	11738.9	11809.4	11671.2
42.5°	12466.7	12370.8	12565.5	12495.0	12427.3	12382.1	12418.8	12447.0	12514.7	12359.5
45°	13259.5	13149.5	13403.4	13318.7	13211.5	13118.4	13177.7	13220.0	13318.7	13132.5
47.5°	14134.1	14009.9	14280.8	14255.4	14080.5	13877.3	14012.7	14134.1	14207.4	13981.7
50°	14988.9	14893.0	15248.4	15279.5	15065.0	14780.1	14969.1	15152.5	15172.2	14876.0
52.5°	15790.1	15694.2	16210.4	16405.1	16213.3	15874.7	16075.0	16261.2	16111.7	15728.0
55°	16430.5	16351.5	17008.8	17511.0	17575.9	17296.6	17415.1	17409.4	16918.6	16328.9
57.5°	16585.7	16574.4	17403.8	18467.4	19144.5	19178.3	18944.2	18346.1	17288.1	16495.4
60°	15880.4	15950.9	17090.6	18966.7	20772.3	21522.7	20509.9	18803.1	16867.8	15767.5
62.5°	13770.1	13956.3	15330.2	18357.3	22086.9	24219.7	21765.3	18109.1	15141.2	13705.2
65°	9868.4	10192.9	11710.7	15666.0	21968.4	26589.5	21584.8	15539.0	11823.5	10167.5
67.5°	4477.2	4807.3	6096.5	10726.1	19096.5	25946.3	19051.4	10838.9	6401.2	4824.2
70°	1622.2	1678.6	2093.3	4293.8	12204.4	20673.5	12726.3	4324.9	2225.9	1788.6
72.5°	981.8	990.2	1077.7	1537.5	4240.2	12551.4	4420.8	1588.3	1100.3	976.1
75°	623.5	617.8	767.4	939.4	1503.7	4234.6	1577.0	939.4	764.5	696.8
77.5°	448.6	462.7	550.1	702.5	947.9	1436.0	931.0	671.4	550.1	451.4
80°	335.7	344.2	400.6	547.3	665.8	894.3	592.4	496.5	414.7	282.1
82.5°	242.6	242.6	262.4	397.8	406.2	482.4	321.6	349.8	273.7	200.3
85°	143.9	141.1	163.6	237.0	211.6	177.7	146.7	214.4	172.1	124.1
87.5°	50.8	53.6	50.8	67.7	56.4	48.0	45.1	59.2	48.0	42.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6691.8
6731.3
6824.4
6965.5
7134.7
7309.6
7501.5
7763.9
8060.1
8378.9
8737.2
9109.6
9515.8
9992.6
10528.6
11115.4
11716.3
12441.4
13228.5
14057.9
14912.7
15739.3
16348.7
16444.6
15637.7
13620.6
10046.2
4753.7
1766.1
993.1
702.5
459.9
290.6
200.3
121.3
39.5
0.0

OF REPORT)