

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: STREETWORKS

Report Number: P850694

Luminaire Tested: **GLAN-SB8B-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35915 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

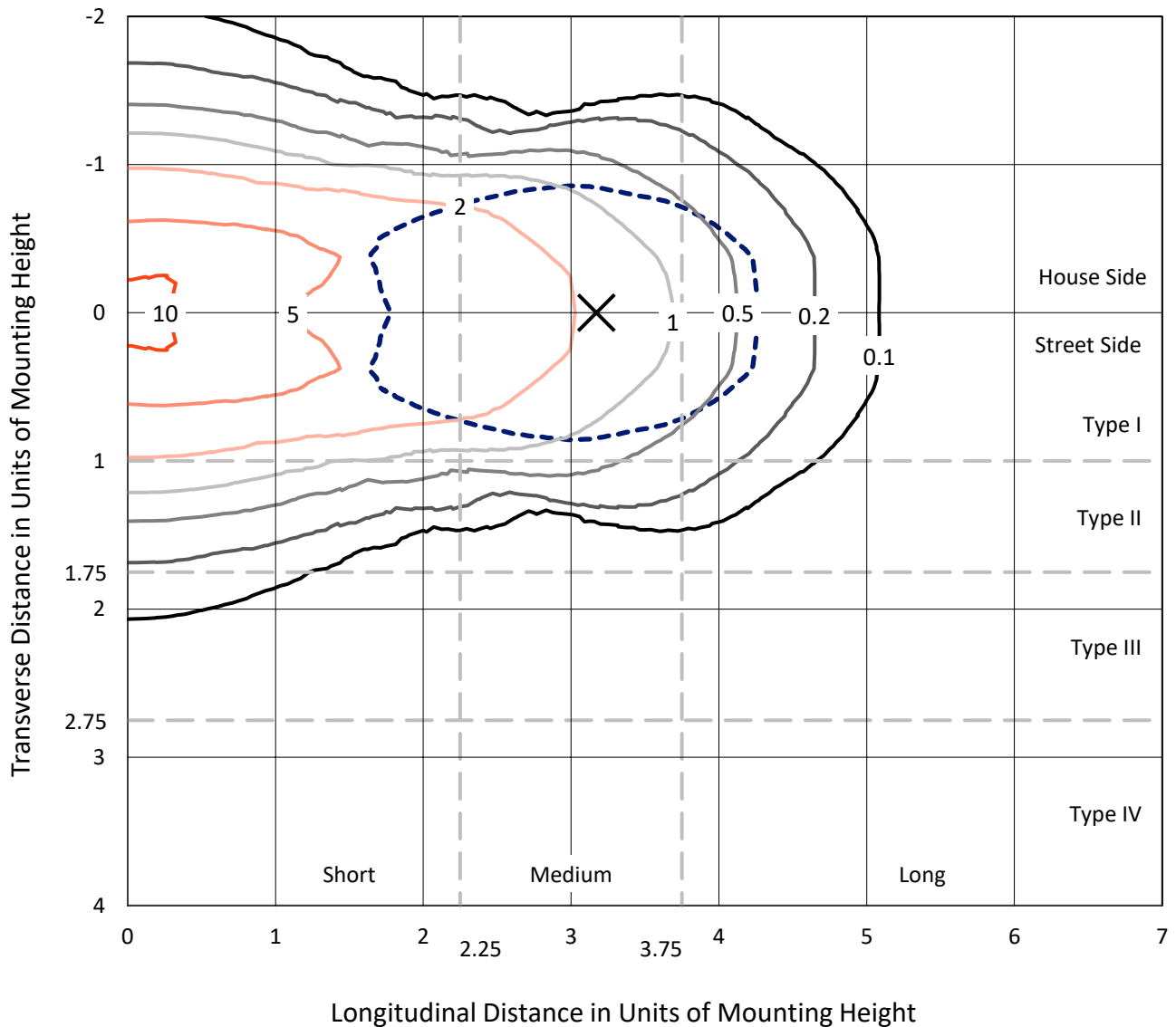
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850694
 CATALOG NUMBER: GLAN-SB8B-827-U-T1

Iso-Footcandle Lines of Horizontal Illumination

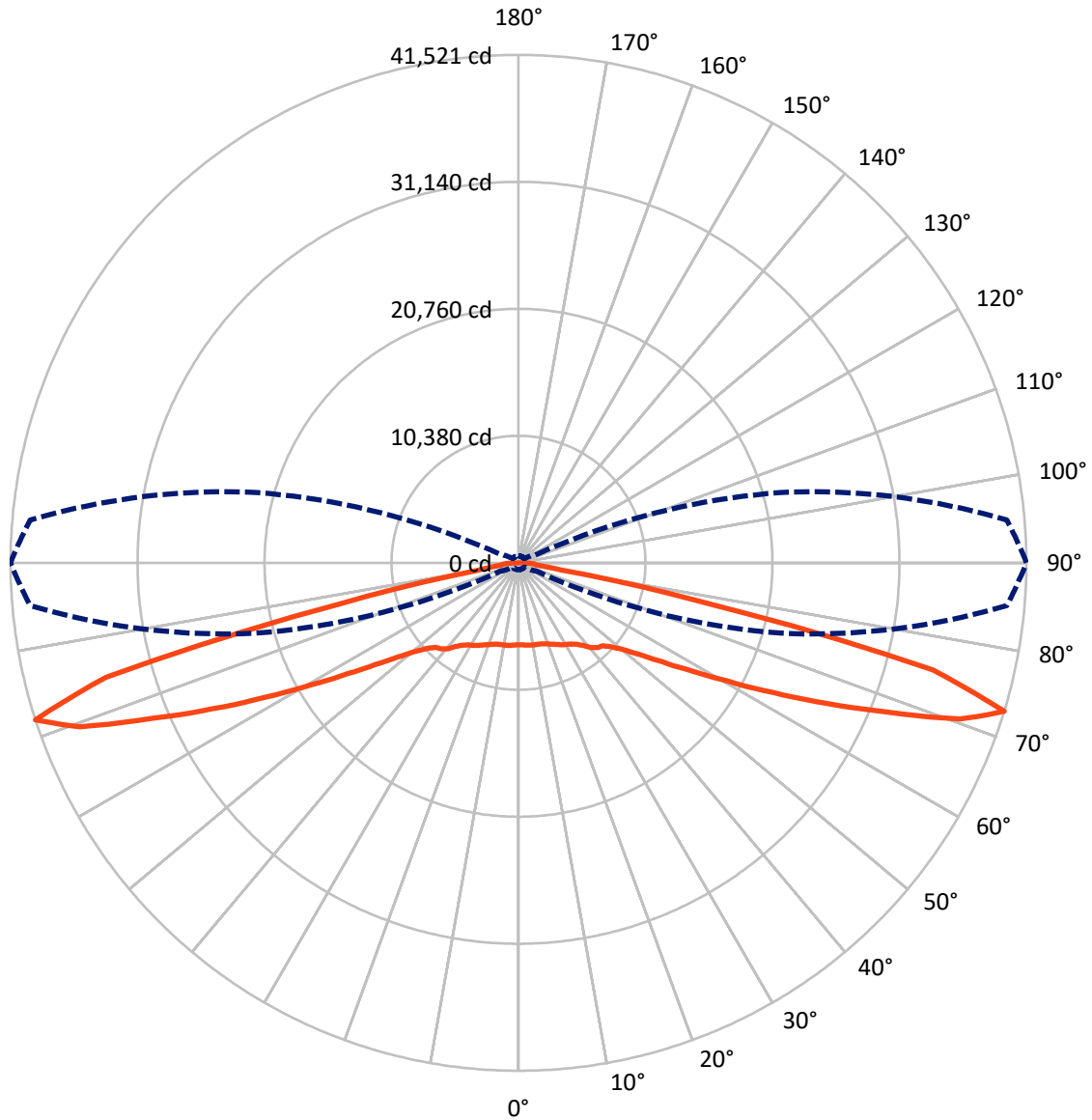
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type I - Short - N/A

REPORT NUMBER: P850694
CATALOG NUMBER: GLAN-SB8B-827-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P850694
 CATALOG NUMBER: GLAN-SB8B-827-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17957.5	0.0	17957.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17957.5	0.0	17957.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35915.0	0.0	35915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	650.7	1.8
10°-20°	1989.6	5.5
20°-30°	3317.6	9.2
30°-40°	4562.7	12.7
40°-50°	5572.3	15.5
50°-60°	6444.9	17.9
60°-70°	7684.5	21.4
70°-80°	5363.3	14.9
80°-90°	329.4	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°	35915.0	100.0
0°-180°	35915.0	100.0

Coefficient of Utilization



REPORT NUMBER: P850694

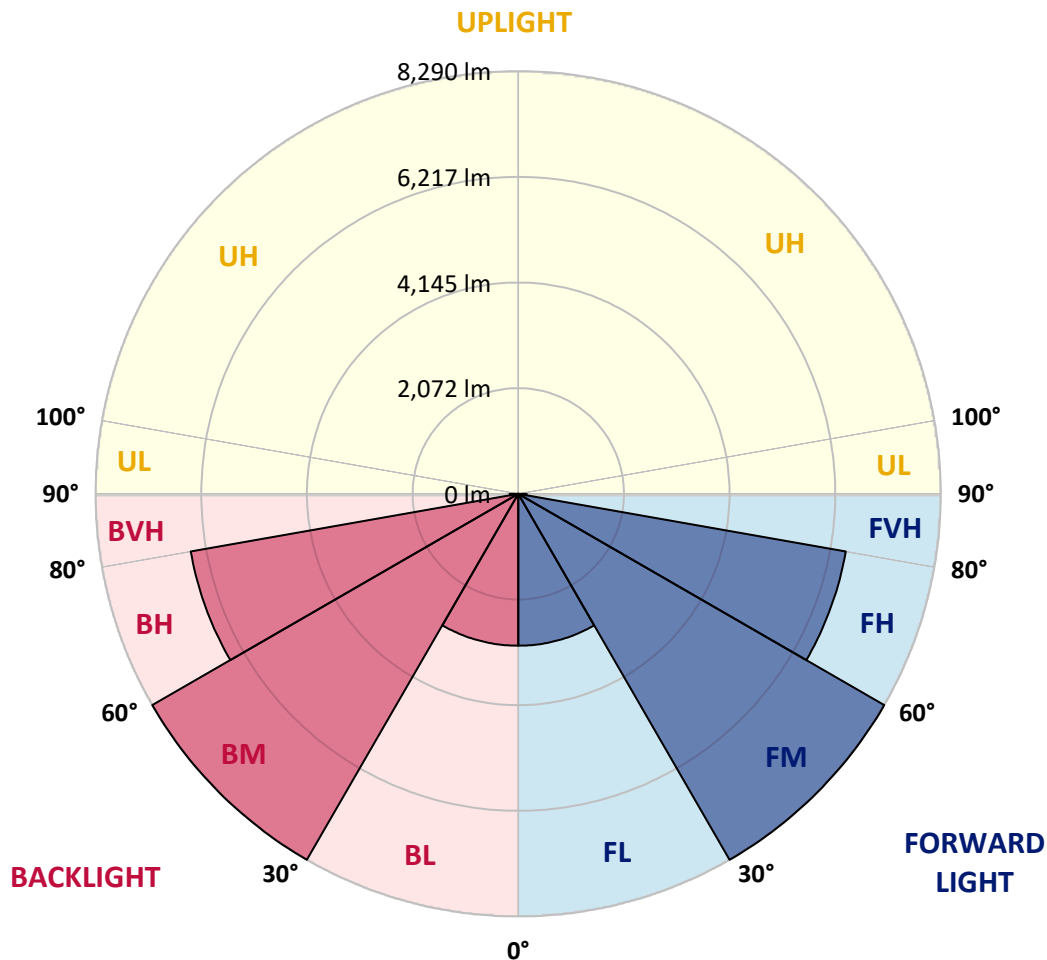
CATALOG NUMBER: GLAN-SB8B-827-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2979.0	8.3			
FM (30°-60°)	8289.9	23.1			
FH (60°-80°)	6523.9	18.2			G3/7500
FVH (80°-90°)	164.7	0.5			G2/225
BL (0°-30°)	2979.0	8.3	B4/5000		
BM (30°-60°)	8289.9	23.1	B4/8500		
BH (60°-80°)	6523.9	18.2	B5		G5
BVH (80°-90°)	164.7	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 I Short



REPORT NUMBER: P850694
 CATALOG NUMBER: GLAN-SB8B-827-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6711.1	6711.1	6711.1	6711.1	6711.1	6711.1	6711.1	6711.1	6711.1	6711.1
2.5°	6716.8	6724.5	6724.5	6718.7	6732.1	6720.6	6720.6	6714.9	6720.6	6714.9
5°	6751.2	6760.7	6764.5	6762.6	6779.8	6770.3	6770.3	6762.6	6764.5	6758.8
7.5°	6816.1	6829.4	6837.1	6846.6	6871.4	6860.0	6852.3	6829.4	6819.9	6804.6
10°	6837.1	6852.3	6877.2	6926.8	6984.0	6986.0	6963.0	6905.8	6861.9	6827.5
12.5°	6772.2	6793.2	6844.7	6945.9	7073.8	7125.3	7089.0	6993.6	6907.7	6846.6
15°	6690.1	6713.0	6791.3	6944.0	7132.9	7253.2	7249.4	7123.4	6986.0	6890.5
17.5°	6562.2	6585.1	6697.7	6911.5	7178.7	7377.2	7430.7	7300.9	7108.1	6980.2
20°	6331.3	6352.3	6508.8	6808.4	7194.0	7508.9	7648.3	7533.8	7293.3	7119.6
22.5°	6031.6	6064.0	6247.3	6630.9	7157.7	7646.4	7896.4	7818.2	7508.9	7268.4
25°	5710.9	5745.3	5959.1	6413.3	7064.2	7745.6	8190.4	8140.7	7753.3	7453.6
27.5°	5434.2	5470.4	5703.3	6197.6	6919.1	7783.8	8480.5	8505.3	8049.1	7657.8
30°	5216.6	5250.9	5499.1	6024.0	6732.1	7745.6	8734.4	8906.1	8350.7	7835.3
32.5°	4978.0	5021.9	5283.4	5812.1	6510.7	7654.0	8955.8	9339.4	8700.0	8026.2
35°	4676.4	4716.5	4991.3	5522.0	6220.6	7507.0	9140.9	9820.4	9200.1	8316.3
37.5°	4309.9	4348.1	4621.0	5159.3	5932.3	7300.9	9282.2	10362.5	9795.6	8734.4
40°	3941.5	3977.8	4233.6	4754.6	5586.9	7037.5	9331.8	10893.1	10478.9	9308.9
42.5°	3603.7	3636.1	3870.9	4355.7	5199.4	6701.6	9266.9	11355.0	11091.6	9709.7
45°	3292.6	3321.2	3529.2	3981.6	4796.6	6293.1	9072.2	11851.3	11820.8	9996.0
47.5°	2937.5	2966.2	3181.9	3619.0	4393.9	5814.0	8742.0	12339.9	12834.3	10645.0
50°	2504.3	2529.1	2750.5	3200.9	3975.9	5304.4	8283.9	12723.6	14113.2	11628.0
52.5°	1990.8	2017.5	2233.2	2683.7	3479.6	4756.6	7680.7	12973.6	15590.5	13063.4
55°	1481.2	1500.3	1687.3	2092.0	2865.0	4132.4	6924.9	13044.3	17266.4	15025.5
57.5°	1074.6	1086.1	1206.3	1507.9	2172.1	3351.7	6006.8	12861.0	19261.0	17541.2
60°	870.4	874.2	910.5	1044.1	1509.8	2469.9	4897.8	12231.1	21425.5	20784.2
62.5°	790.2	790.2	799.8	836.0	1021.2	1630.1	3556.0	10925.6	23746.5	24882.2
65°	734.9	734.9	738.7	755.9	805.5	1038.3	2244.7	8799.2	25703.0	29682.7
67.5°	685.2	687.1	685.2	691.0	719.6	767.3	1301.8	6077.4	26756.6	34656.8
70°	633.7	637.5	628.0	628.0	650.9	652.8	815.0	3332.6	25882.4	38825.5
72.5°	572.6	578.3	563.1	559.3	576.4	568.8	612.7	1599.5	22221.4	40070.0
75°	519.2	526.8	492.5	482.9	482.9	477.2	498.2	820.8	14422.4	32687.0
77.5°	471.5	486.7	431.4	400.8	393.2	376.0	406.6	502.0	6308.4	15346.2
80°	389.4	410.4	355.0	318.8	305.4	286.3	320.7	351.2	1876.3	3563.6
82.5°	290.1	299.7	252.0	227.1	215.7	202.3	240.5	244.3	610.8	1261.7
85°	185.1	189.0	154.6	133.6	127.9	122.2	152.7	133.6	232.9	927.6
87.5°	64.9	74.4	59.2	53.4	57.3	47.7	70.6	40.1	64.9	654.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6711.1
6714.9
6758.8
6804.6
6821.8
6837.1
6875.2
6959.2
7087.1
7224.5
7392.5
7592.9
7741.8
7907.9
8184.6
8558.7
9121.8
9469.2
9671.5
10270.9
11158.4
12485.0
14302.1
16630.8
19637.0
23345.7
27739.6
32559.1
38273.9
41520.6
34962.2
15027.4
3412.8
1425.8
1347.6
811.2
0.0

OF REPORT)