

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: P850864

Luminaire Tested: **GLAN-SB8C-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850864
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-SB8C-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47765 lumens
Efficiency: N/A
Efficacy: 119.5 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

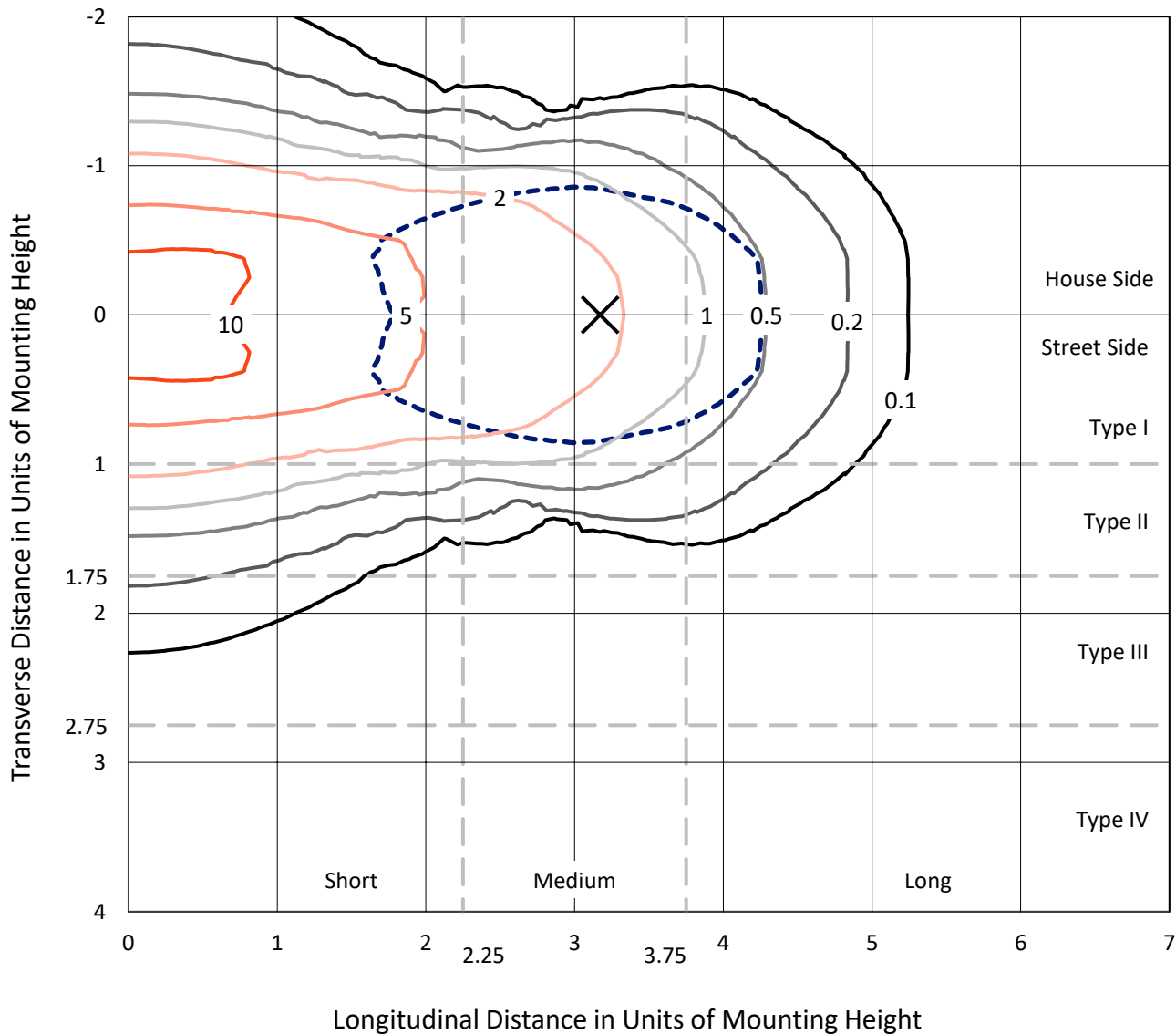
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

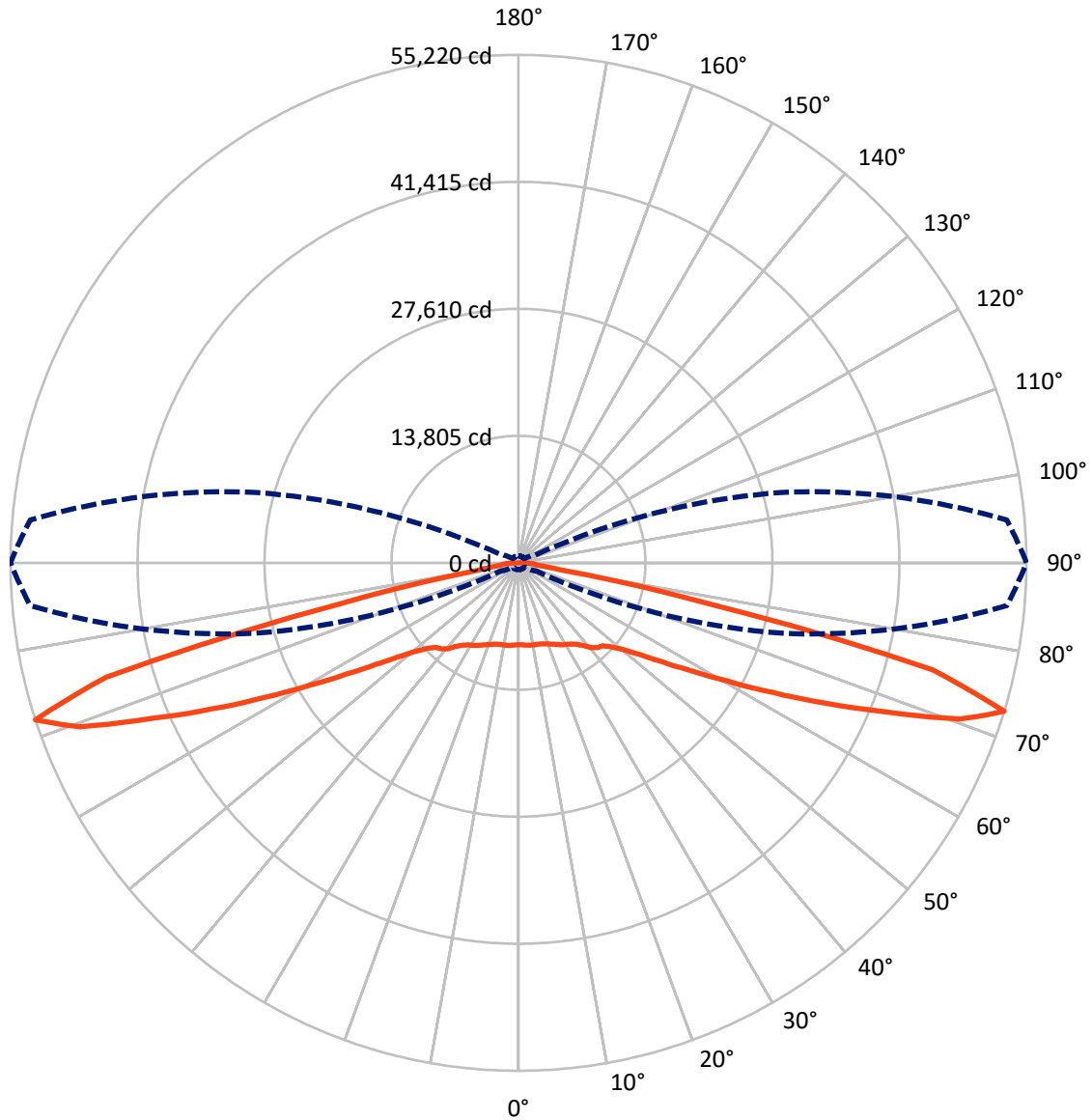
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23882.5	0.0	23882.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23882.5	0.0	23882.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47765.0	0.0	47765.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	865.4	1.8
10°-20°	2646.1	5.5
20°-30°	4412.2	9.2
30°-40°	6068.1	12.7
40°-50°	7410.8	15.5
50°-60°	8571.4	17.9
60°-70°	10220.0	21.4
70°-80°	7132.9	14.9
80°-90°	438.1	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°	47765.0	100.0
0°-180°	47765.0	100.0

Coefficient of Utilization

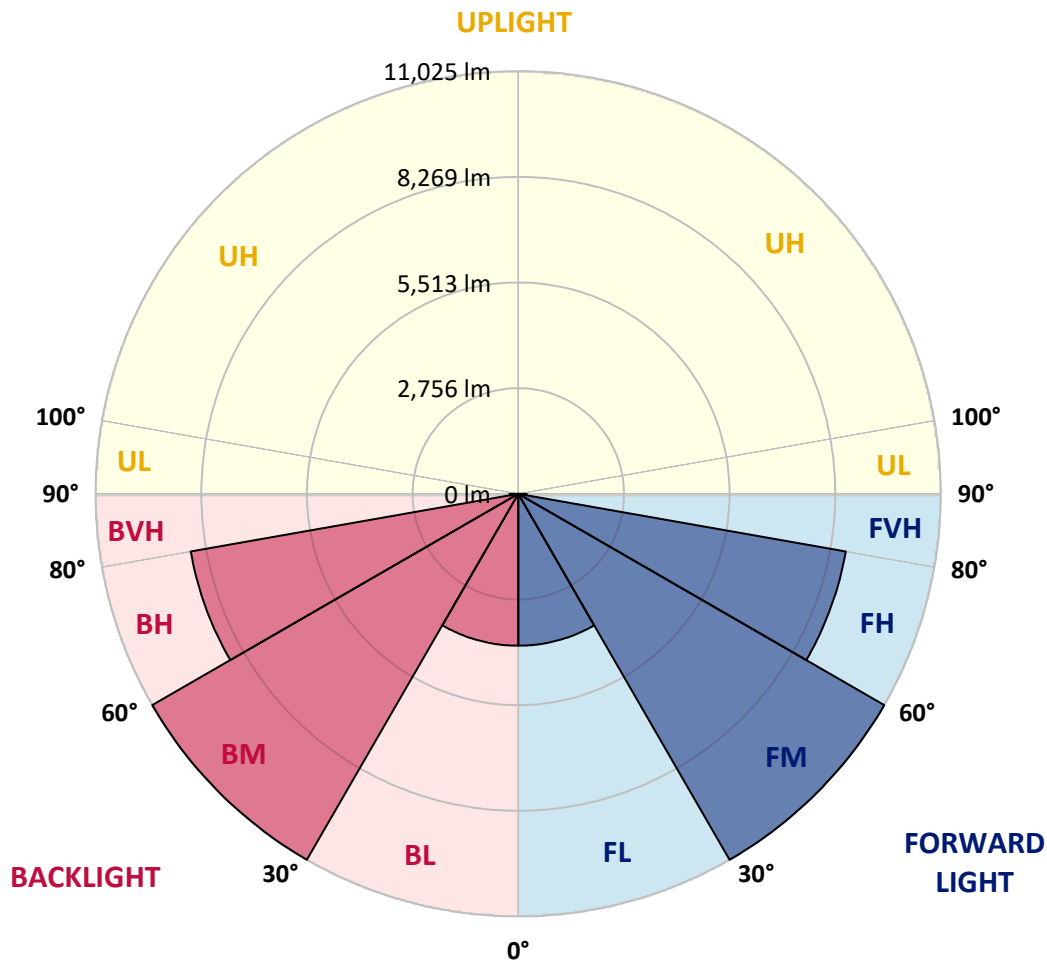


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3961.9	8.3			
FM (30°-60°)	11025.2	23.1			
FH (60°-80°)	8676.4	18.2			G4/12000
FVH (80°-90°)	219.1	0.5			G2/225
BL (0°-30°)	3961.9	8.3	B4/5000		
BM (30°-60°)	11025.2	23.1	B5		
BH (60°-80°)	8676.4	18.2	B5		G5
BVH (80°-90°)	219.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8925.4	8925.4	8925.4	8925.4	8925.4	8925.4	8925.4	8925.4	8925.4	8925.4
2.5°	8933.0	8943.2	8943.2	8935.5	8953.3	8938.1	8938.1	8930.5	8938.1	8930.5
5°	8978.7	8991.4	8996.5	8993.9	9016.8	9004.1	9004.1	8993.9	8996.5	8988.9
7.5°	9065.0	9082.8	9092.9	9105.6	9138.6	9123.4	9113.2	9082.8	9070.1	9049.8
10°	9092.9	9113.2	9146.2	9212.2	9288.4	9290.9	9260.5	9184.3	9125.9	9080.2
12.5°	9006.6	9034.6	9103.1	9237.6	9407.7	9476.3	9428.0	9301.1	9186.9	9105.6
15°	8897.5	8927.9	9032.0	9235.1	9486.4	9646.3	9641.3	9473.7	9290.9	9164.0
17.5°	8727.4	8757.9	8907.6	9191.9	9547.3	9811.3	9882.4	9709.8	9453.4	9283.3
20°	8420.2	8448.2	8656.3	9054.9	9567.6	9986.5	10171.8	10019.5	9699.6	9468.6
22.5°	8021.7	8064.8	8308.5	8818.8	9519.4	10169.3	10501.8	10397.7	9986.5	9666.6
25°	7595.2	7640.9	7925.2	8529.4	9395.0	10301.3	10892.7	10826.7	10311.4	9912.9
27.5°	7227.1	7275.4	7585.1	8242.5	9202.1	10352.0	11278.6	11311.6	10704.9	10184.5
30°	6937.7	6983.4	7313.4	8011.5	8953.3	10301.3	11616.2	11844.7	11106.0	10420.6
32.5°	6620.4	6678.8	7026.6	7729.8	8658.9	10179.4	11910.7	12420.9	11570.5	10674.4
35°	6219.3	6272.7	6638.2	7343.9	8273.0	9984.0	12156.9	13060.6	12235.6	11060.3
37.5°	5732.0	5782.7	6145.7	6861.6	7889.7	9709.8	12344.8	13781.6	13027.6	11616.2
40°	5242.0	5290.3	5630.4	6323.4	7430.2	9359.5	12410.8	14487.3	13936.4	12380.3
42.5°	4792.7	4835.9	5148.1	5792.9	6914.9	8912.7	12324.5	15101.6	14751.3	12913.4
45°	4378.9	4417.0	4693.7	5295.3	6379.3	8369.5	12065.5	15761.6	15721.0	13294.2
47.5°	3906.8	3944.8	4231.7	4813.0	5843.6	7732.3	11626.4	16411.5	17068.9	14157.3
50°	3330.5	3363.5	3658.0	4257.1	5287.7	7054.5	11017.1	16921.7	18769.7	15464.6
52.5°	2647.7	2683.2	2970.1	3569.1	4627.7	6326.0	10215.0	17254.2	20734.5	17373.5
55°	1969.9	1995.3	2244.0	2782.2	3810.3	5495.9	9209.7	17348.2	22963.3	19983.1
57.5°	1429.2	1444.4	1604.3	2005.4	2888.8	4457.6	7988.7	17104.5	25616.1	23328.9
60°	1157.6	1162.6	1210.9	1388.6	2008.0	3284.8	6513.8	16266.8	28494.8	27641.8
62.5°	1050.9	1050.9	1063.6	1111.9	1358.1	2167.9	4729.2	14530.4	31581.6	33092.0
65°	977.3	977.3	982.4	1005.2	1071.3	1380.9	2985.3	11702.5	34183.5	39476.3
67.5°	911.3	913.9	911.3	918.9	957.0	1020.5	1731.3	8082.6	35584.8	46091.7
70°	842.8	847.9	835.2	835.2	865.6	868.2	1083.9	4432.2	34422.2	51635.8
72.5°	761.6	769.2	748.9	743.8	766.6	756.5	814.9	2127.3	29553.3	53290.9
75°	690.5	700.6	654.9	642.2	642.2	634.6	662.6	1091.6	19181.0	43472.0
77.5°	627.0	647.3	573.7	533.1	522.9	500.1	540.7	667.6	8389.8	20409.6
80°	517.9	545.8	472.2	423.9	406.2	380.8	426.5	467.1	2495.4	4739.4
82.5°	385.9	398.5	335.1	302.1	286.9	269.1	319.9	324.9	812.3	1678.0
85°	246.2	251.3	205.6	177.7	170.1	162.5	203.1	177.7	309.7	1233.7
87.5°	86.3	99.0	78.7	71.1	76.2	63.5	93.9	53.3	86.3	870.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8925.4
8930.5
8988.9
9049.8
9072.6
9092.9
9143.7
9255.4
9425.5
9608.3
9831.6
10098.2
10296.2
10517.0
10885.1
11382.7
12131.5
12593.5
12862.6
13659.7
14840.1
16604.4
19021.0
22118.0
26116.2
31048.5
36892.1
43301.9
50902.2
55220.2
46497.9
19985.7
4538.9
1896.3
1792.2
1078.9
0.0

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