

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: P850714

Luminaire Tested: **GLAN-SB8B-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850714
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-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37296 lumens
Efficiency: N/A
Efficacy: 127.4 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

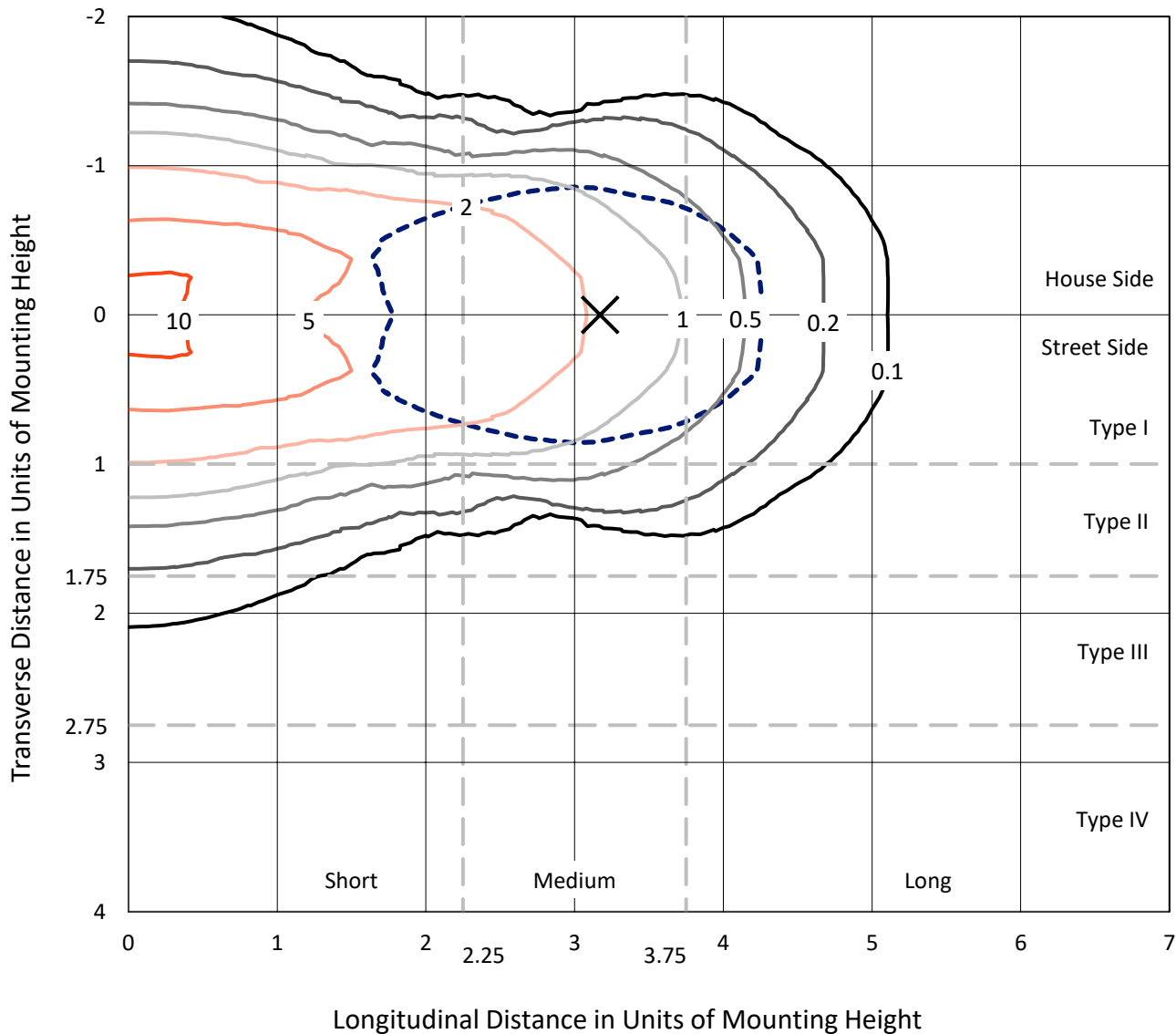
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

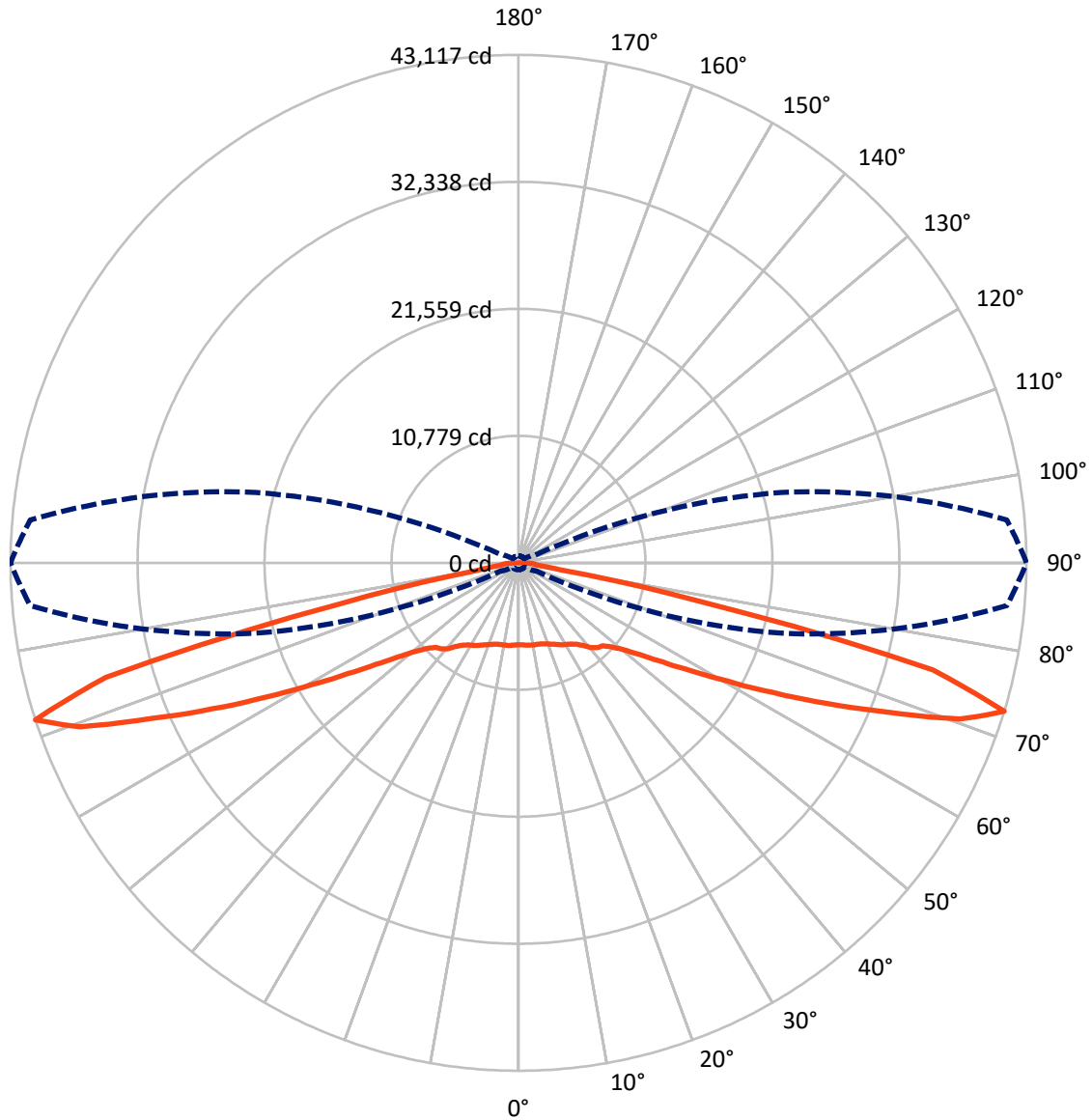
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	18648.0	0.0	18648.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18648.0	0.0	18648.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37296.0	0.0	37296.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.7	1.8
10°-20°	2066.2	5.5
20°-30°	3445.1	9.2
30°-40°	4738.1	12.7
40°-50°	5786.5	15.5
50°-60°	6692.7	17.9
60°-70°	7980.0	21.4
70°-80°	5569.5	14.9
80°-90°	342.1	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°	37296.0	100.0
0°-180°	37296.0	100.0

Coefficient of Utilization

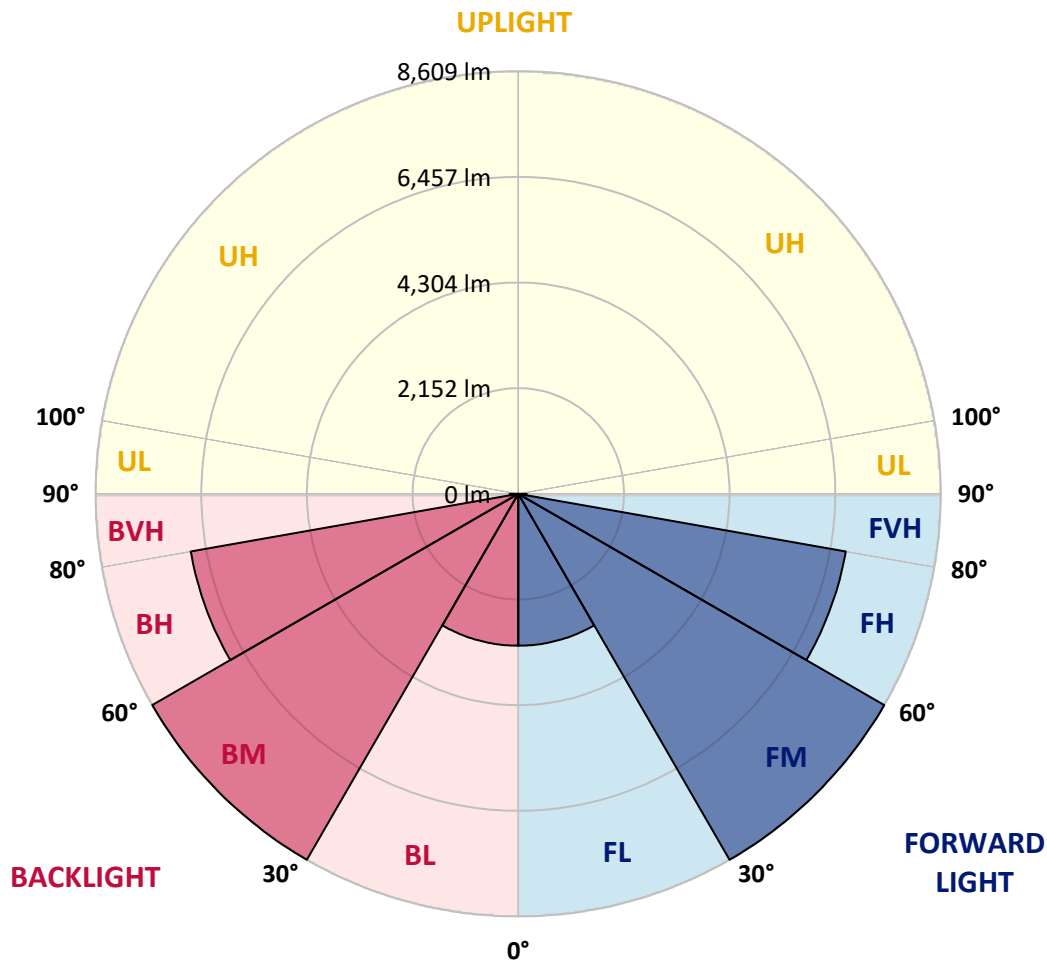


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3093.5	8.3			
FM (30°-60°)	8608.7	23.1			
FH (60°-80°)	6774.8	18.2			G3/7500
FVH (80°-90°)	171.0	0.5			G2/225
BL (0°-30°)	3093.5	8.3	B4/5000		
BM (30°-60°)	8608.7	23.1	B5		
BH (60°-80°)	6774.8	18.2	B5		G5
BVH (80°-90°)	171.0	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°	6969.2	6969.2	6969.2	6969.2	6969.2	6969.2	6969.2	6969.2	6969.2	6969.2
2.5°	6975.1	6983.0	6983.0	6977.1	6991.0	6979.1	6979.1	6973.1	6979.1	6973.1
5°	7010.8	7020.7	7024.7	7022.7	7040.5	7030.6	7030.6	7022.7	7024.7	7018.7
7.5°	7078.2	7092.0	7100.0	7109.9	7135.6	7123.8	7115.8	7092.0	7082.1	7066.3
10°	7100.0	7115.8	7141.6	7193.1	7252.6	7254.6	7230.8	7171.3	7125.7	7090.1
12.5°	7032.6	7054.4	7107.9	7213.0	7345.8	7399.3	7361.6	7262.5	7173.3	7109.9
15°	6947.3	6971.1	7052.4	7211.0	7407.2	7532.1	7528.1	7397.3	7254.6	7155.5
17.5°	6814.5	6838.3	6955.3	7177.3	7454.8	7660.9	7716.4	7581.6	7381.4	7248.6
20°	6574.7	6596.5	6759.0	7070.2	7470.6	7797.7	7942.4	7823.4	7573.7	7393.3
22.5°	6263.5	6297.2	6487.5	6885.9	7433.0	7940.4	8200.1	8118.8	7797.7	7547.9
25°	5930.5	5966.2	6188.2	6659.9	7335.8	8043.5	8505.3	8453.8	8051.4	7740.2
27.5°	5643.1	5680.8	5922.6	6436.0	7185.2	8083.1	8806.6	8832.3	8358.6	7952.3
30°	5417.1	5452.8	5710.5	6255.6	6991.0	8043.5	9070.2	9248.6	8671.8	8136.6
32.5°	5169.4	5215.0	5486.5	6035.6	6761.0	7948.3	9300.1	9698.5	9034.5	8334.8
35°	4856.2	4897.8	5183.3	5734.3	6459.7	7795.7	9492.4	10198.0	9553.8	8636.1
37.5°	4475.6	4515.3	4798.7	5357.7	6160.4	7581.6	9639.1	10761.0	10172.3	9070.2
40°	4093.1	4130.7	4396.4	4937.5	5801.7	7308.1	9690.6	11312.0	10881.9	9666.8
42.5°	3742.3	3775.9	4019.7	4523.2	5399.3	6959.2	9623.2	11791.7	11518.1	10083.1
45°	3419.2	3448.9	3664.9	4134.7	4981.1	6535.1	9421.0	12307.0	12275.3	10380.4
47.5°	3050.5	3080.2	3304.2	3758.1	4562.9	6037.6	9078.1	12814.4	13327.8	11054.3
50°	2600.5	2626.3	2856.2	3324.0	4128.8	5508.3	8602.4	13212.8	14655.8	12075.1
52.5°	2067.4	2095.1	2319.1	2786.9	3613.4	4939.5	7976.1	13472.5	16190.0	13565.7
55°	1538.1	1558.0	1752.2	2172.4	2975.2	4291.3	7191.1	13545.8	17930.3	15603.3
57.5°	1115.9	1127.8	1252.7	1565.9	2255.7	3480.6	6237.7	13355.6	20001.6	18215.7
60°	903.8	907.8	945.5	1084.2	1567.9	2564.9	5086.1	12701.5	22249.4	21583.4
62.5°	820.6	820.6	830.5	868.2	1060.4	1692.7	3692.7	11345.7	24659.6	25839.0
65°	763.1	763.1	767.1	784.9	836.5	1078.3	2331.0	9137.6	26691.3	30824.0
67.5°	711.6	713.6	711.6	717.5	747.3	796.8	1351.8	6311.1	27785.4	35989.4
70°	658.1	662.0	652.1	652.1	675.9	677.9	846.4	3460.8	26877.6	40318.4
72.5°	594.6	600.6	584.7	580.8	598.6	590.7	636.3	1661.0	23075.9	41610.7
75°	539.1	547.1	511.4	501.5	501.5	495.5	517.3	852.3	14976.9	33943.9
77.5°	489.6	505.4	448.0	416.2	408.3	390.5	422.2	521.3	6550.9	15936.3
80°	404.4	426.2	368.7	331.0	317.1	297.3	333.0	364.7	1948.4	3700.6
82.5°	301.3	311.2	261.6	235.9	224.0	210.1	249.7	253.7	634.3	1310.2
85°	192.3	196.2	160.6	138.7	132.8	126.9	158.6	138.7	241.8	963.3
87.5°	67.4	77.3	61.4	55.5	59.5	49.6	73.3	41.6	67.4	679.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6969.2
6973.1
7018.7
7066.3
7084.1
7100.0
7139.6
7226.8
7359.6
7502.3
7676.8
7884.9
8039.5
8211.9
8499.4
8887.8
9472.6
9833.3
10043.4
10665.8
11587.5
12965.1
14852.1
17270.3
20392.1
24243.4
28806.2
33811.1
39745.6
43117.2
36306.6
15605.3
3544.0
1480.6
1399.4
842.4
0.0

OF REPORT)