

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: P851094

Luminaire Tested: **GLAN-SB8D-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851094
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-SB8D-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54918 lumens
Efficiency: N/A
Efficacy: 93.9 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

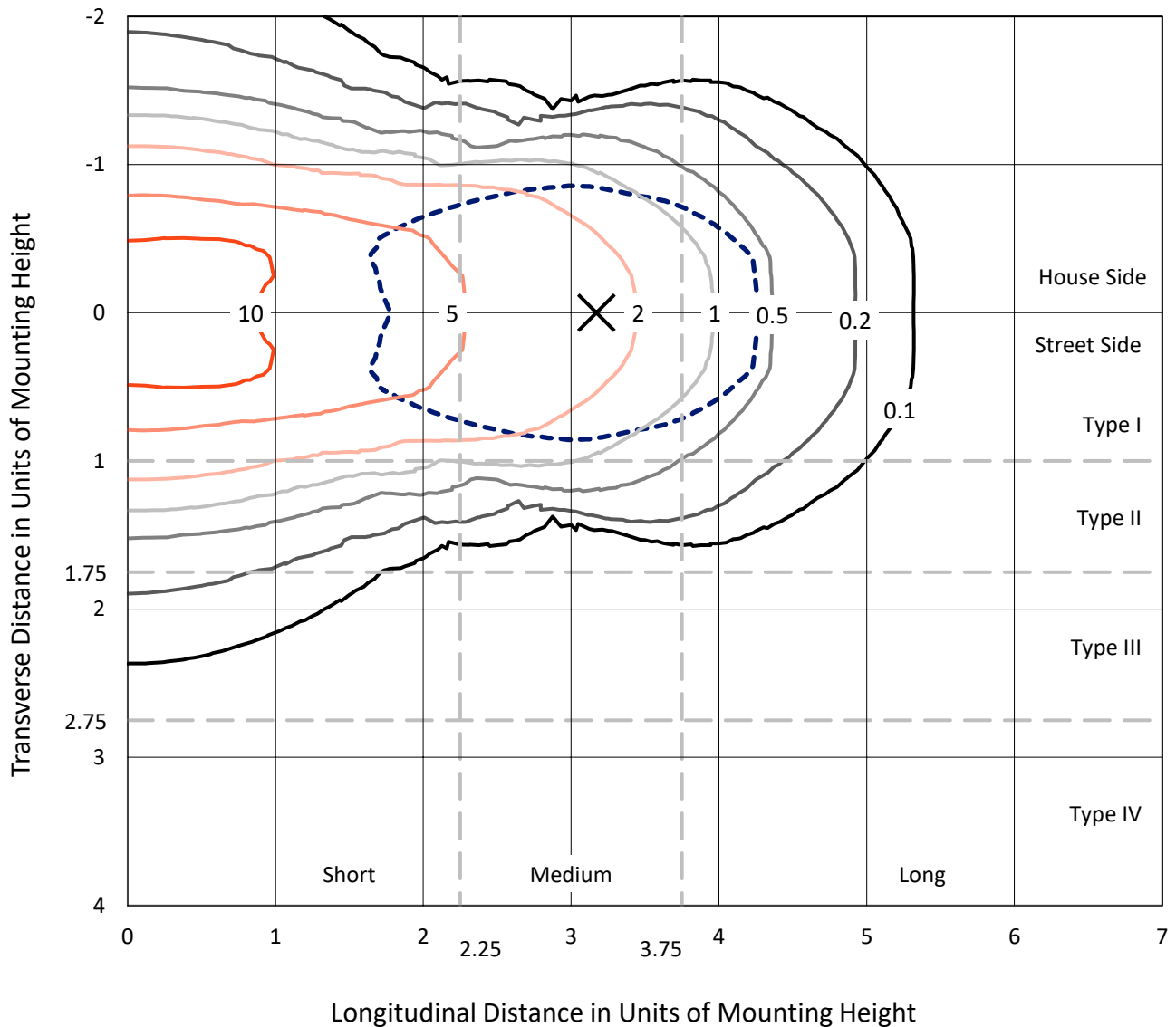
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

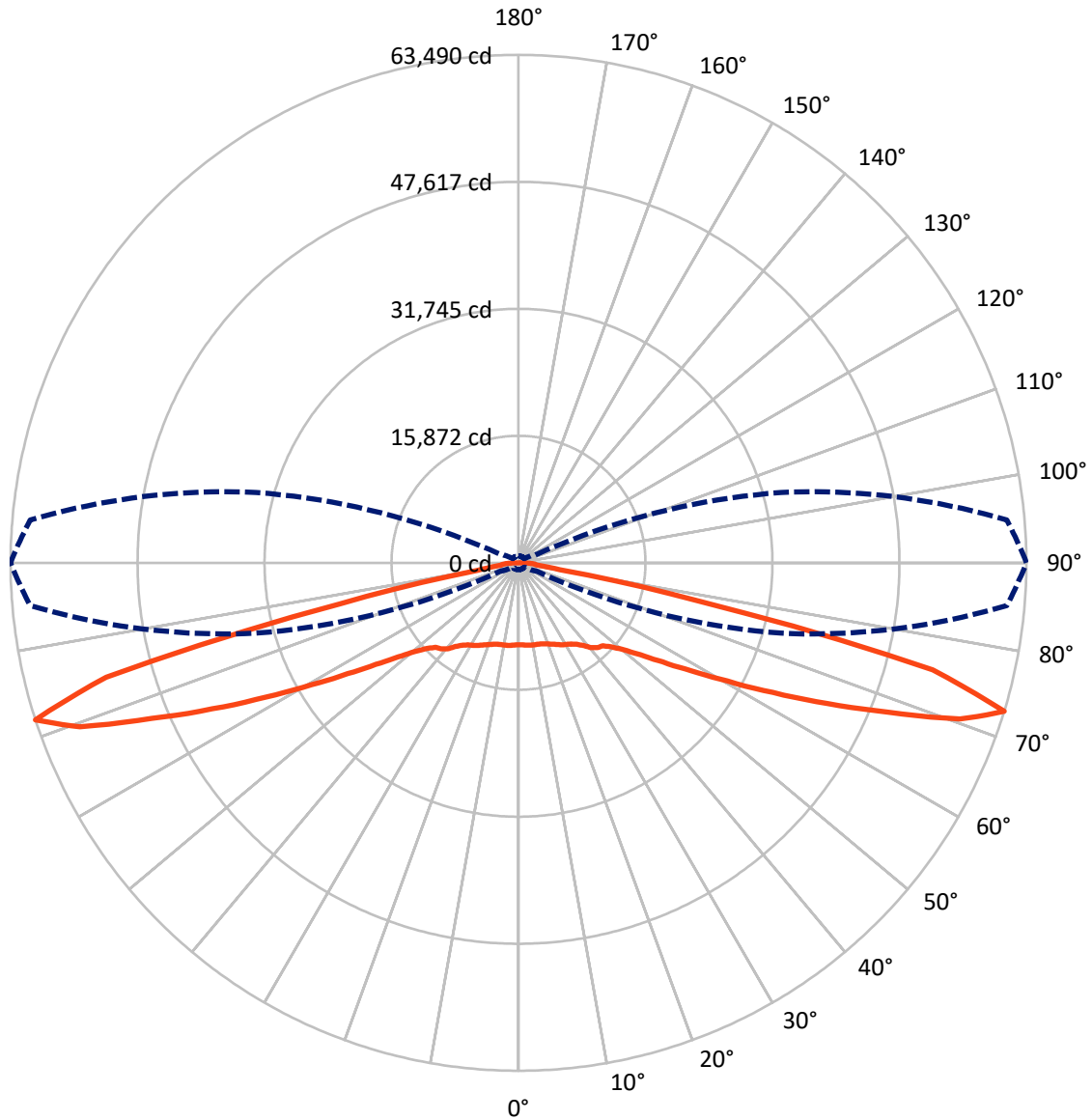
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 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	27459.0	0.0	27459.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27459.0	0.0	27459.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	54918.0	0.0	54918.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	995.0	1.8
10°-20°	3042.4	5.5
20°-30°	5072.9	9.2
30°-40°	6976.8	12.7
40°-50°	8520.6	15.5
50°-60°	9855.0	17.9
60°-70°	11750.5	21.4
70°-80°	8201.0	14.9
80°-90°	503.7	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°	54918.0	100.0
0°-180°	54918.0	100.0

Coefficient of Utilization

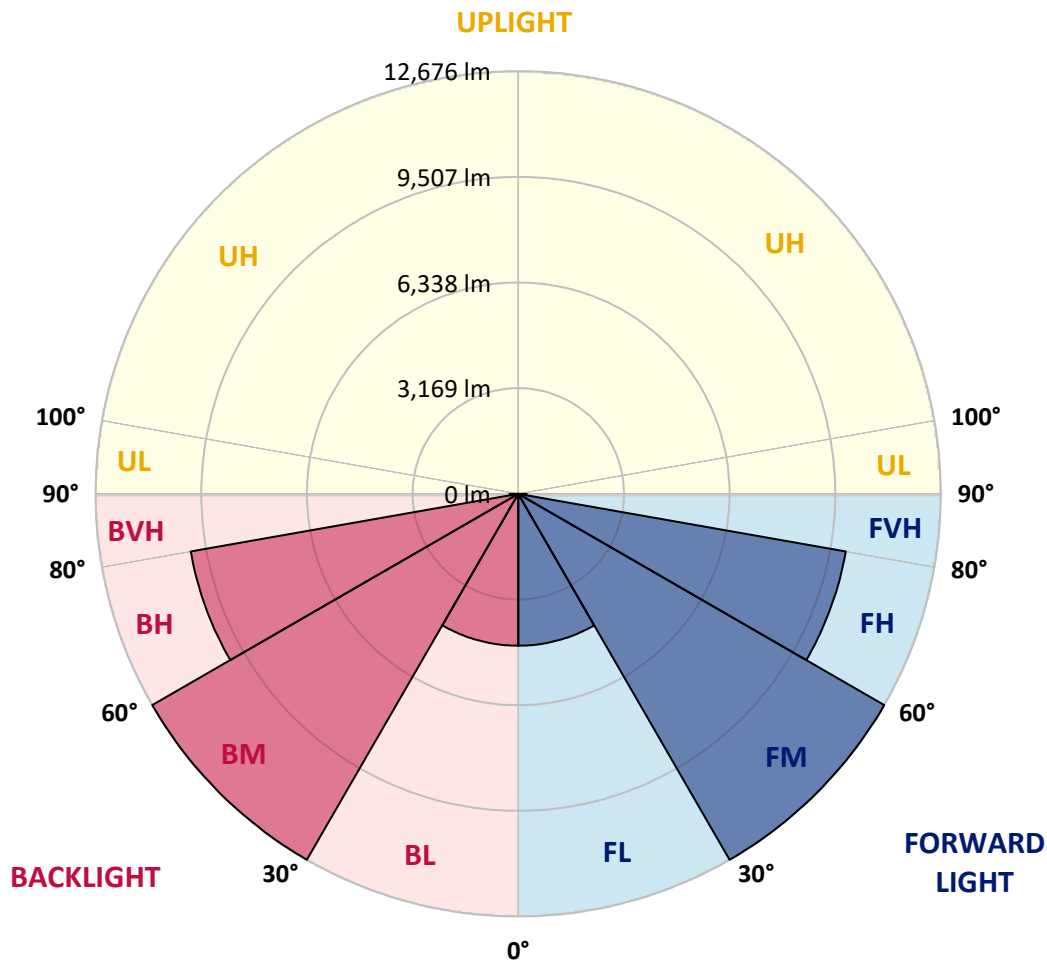


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4555.2	8.3			
FM (30°-60°)	12676.2	23.1			
FH (60°-80°)	9975.8	18.2			G4/12000
FVH (80°-90°)	251.9	0.5			G3/500
BL (0°-30°)	4555.2	8.3	B4/5000		
BM (30°-60°)	12676.2	23.1	B5		
BH (60°-80°)	9975.8	18.2	B5		G5
BVH (80°-90°)	251.9	0.5			G3/500
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°	10262.0	10262.0	10262.0	10262.0	10262.0	10262.0	10262.0	10262.0	10262.0	10262.0
2.5°	10270.8	10282.4	10282.4	10273.7	10294.1	10276.6	10276.6	10267.8	10276.6	10267.8
5°	10323.3	10337.9	10343.7	10340.8	10367.1	10352.5	10352.5	10340.8	10343.7	10335.0
7.5°	10422.5	10443.0	10454.6	10469.2	10507.2	10489.7	10478.0	10443.0	10428.4	10405.0
10°	10454.6	10478.0	10515.9	10591.8	10679.4	10682.3	10647.3	10559.7	10492.6	10440.0
12.5°	10355.4	10387.5	10466.3	10621.0	10816.6	10895.4	10839.9	10694.0	10562.6	10469.2
15°	10229.9	10264.9	10384.6	10618.1	10907.0	11090.9	11085.1	10892.4	10682.3	10536.4
17.5°	10034.4	10069.4	10241.6	10568.5	10977.1	11280.6	11362.3	11163.9	10869.1	10673.5
20°	9681.2	9713.3	9952.6	10410.9	11000.4	11482.0	11695.1	11520.0	11152.2	10886.6
22.5°	9223.0	9272.6	9552.8	10139.4	10945.0	11692.2	12074.5	11954.8	11482.0	11114.3
25°	8732.6	8785.2	9112.1	9806.7	10802.0	11843.9	12524.0	12448.1	11855.6	11397.4
27.5°	8309.4	8364.9	8721.0	9476.9	10580.1	11902.3	12967.6	13005.5	12308.0	11709.7
30°	7976.7	8029.2	8408.7	9211.3	10294.1	11843.9	13355.8	13618.5	12769.1	11981.1
32.5°	7611.9	7679.0	8078.9	8887.3	9955.5	11703.8	13694.4	14281.0	13303.3	12273.0
35°	7150.7	7212.0	7632.3	8443.7	9511.9	11479.1	13977.5	15016.5	14067.9	12716.6
37.5°	6590.3	6648.7	7066.1	7889.1	9071.2	11163.9	14193.4	15845.4	14978.6	13355.8
40°	6027.0	6082.5	6473.6	7270.4	8542.9	10761.1	14269.3	16656.8	16023.4	14234.3
42.5°	5510.4	5560.0	5919.0	6660.4	7950.4	10247.4	14170.1	17363.1	16960.3	14847.2
45°	5034.7	5078.5	5396.6	6088.3	7334.6	9622.8	13872.4	18122.0	18075.3	15285.0
47.5°	4491.8	4535.6	4865.4	5533.8	6718.8	8890.2	13367.5	18869.1	19625.1	16277.4
50°	3829.3	3867.2	4205.8	4894.6	6079.6	8111.0	12667.0	19455.8	21580.6	17780.5
52.5°	3044.2	3085.0	3414.8	4103.6	5320.7	7273.3	11744.7	19838.1	23839.6	19975.3
55°	2264.9	2294.1	2580.1	3198.9	4380.9	6318.9	10588.9	19946.1	26402.2	22975.7
57.5°	1643.2	1660.7	1844.6	2305.7	3321.4	5125.2	9185.0	19665.9	29452.2	26822.5
60°	1330.9	1336.7	1392.2	1596.5	2308.7	3776.7	7489.3	18702.8	32762.0	31781.3
62.5°	1208.3	1208.3	1222.9	1278.4	1561.5	2492.5	5437.5	16706.4	36311.0	38047.6
65°	1123.7	1123.7	1129.5	1155.8	1231.7	1587.8	3432.3	13455.0	39302.7	45388.1
67.5°	1047.8	1050.7	1047.8	1056.6	1100.3	1173.3	1990.5	9293.0	40913.8	52994.1
70°	969.0	974.8	960.2	960.2	995.3	998.2	1246.3	5096.0	39577.0	59368.5
72.5°	875.6	884.4	861.0	855.2	881.4	869.8	936.9	2445.8	33979.0	61271.4
75°	793.9	805.6	753.0	738.4	738.4	729.7	761.8	1255.0	22053.4	49982.0
77.5°	720.9	744.3	659.6	612.9	601.2	575.0	621.7	767.6	9646.2	23466.0
80°	595.4	627.5	542.9	487.4	467.0	437.8	490.3	537.0	2869.0	5449.1
82.5°	443.6	458.2	385.3	347.3	329.8	309.4	367.8	373.6	934.0	1929.2
85°	283.1	288.9	236.4	204.3	195.6	186.8	233.5	204.3	356.1	1418.5
87.5°	99.2	113.8	90.5	81.7	87.6	73.0	108.0	61.3	99.2	1001.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10262.0
10267.8
10335.0
10405.0
10431.3
10454.6
10513.0
10641.4
10837.0
11047.1
11304.0
11610.4
11838.1
12092.0
12515.2
13087.3
13948.3
14479.5
14788.8
15705.3
17062.5
19091.0
21869.5
25430.3
30027.2
35698.1
42416.9
49786.5
58525.0
63489.6
53461.1
22978.6
5218.6
2180.2
2060.6
1240.4
0.0

OF REPORT)