

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: P851054

Luminaire Tested: **GLAN-SB8D-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851054
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-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67399 lumens
Efficiency: N/A
Efficacy: 115.2 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

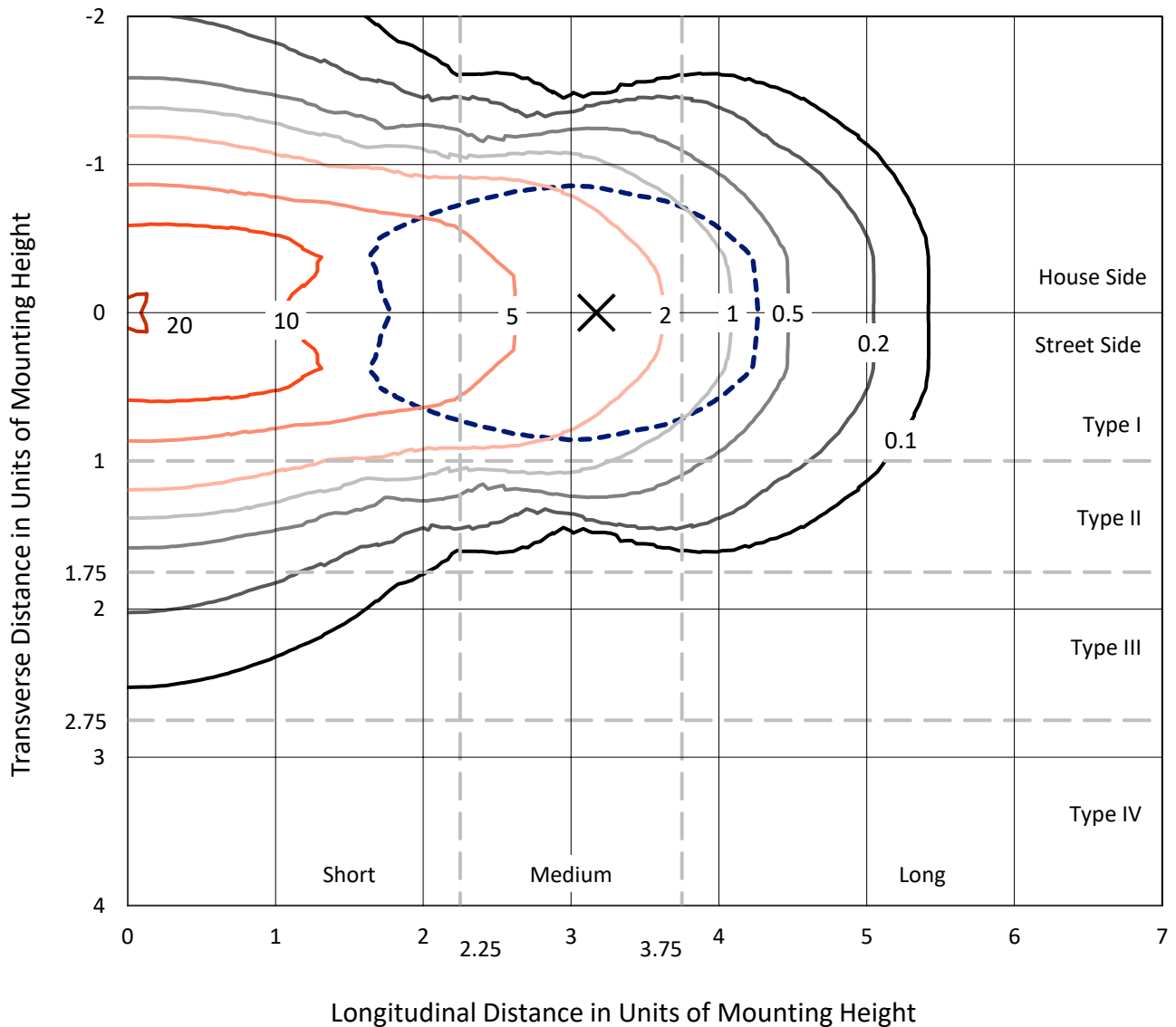
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

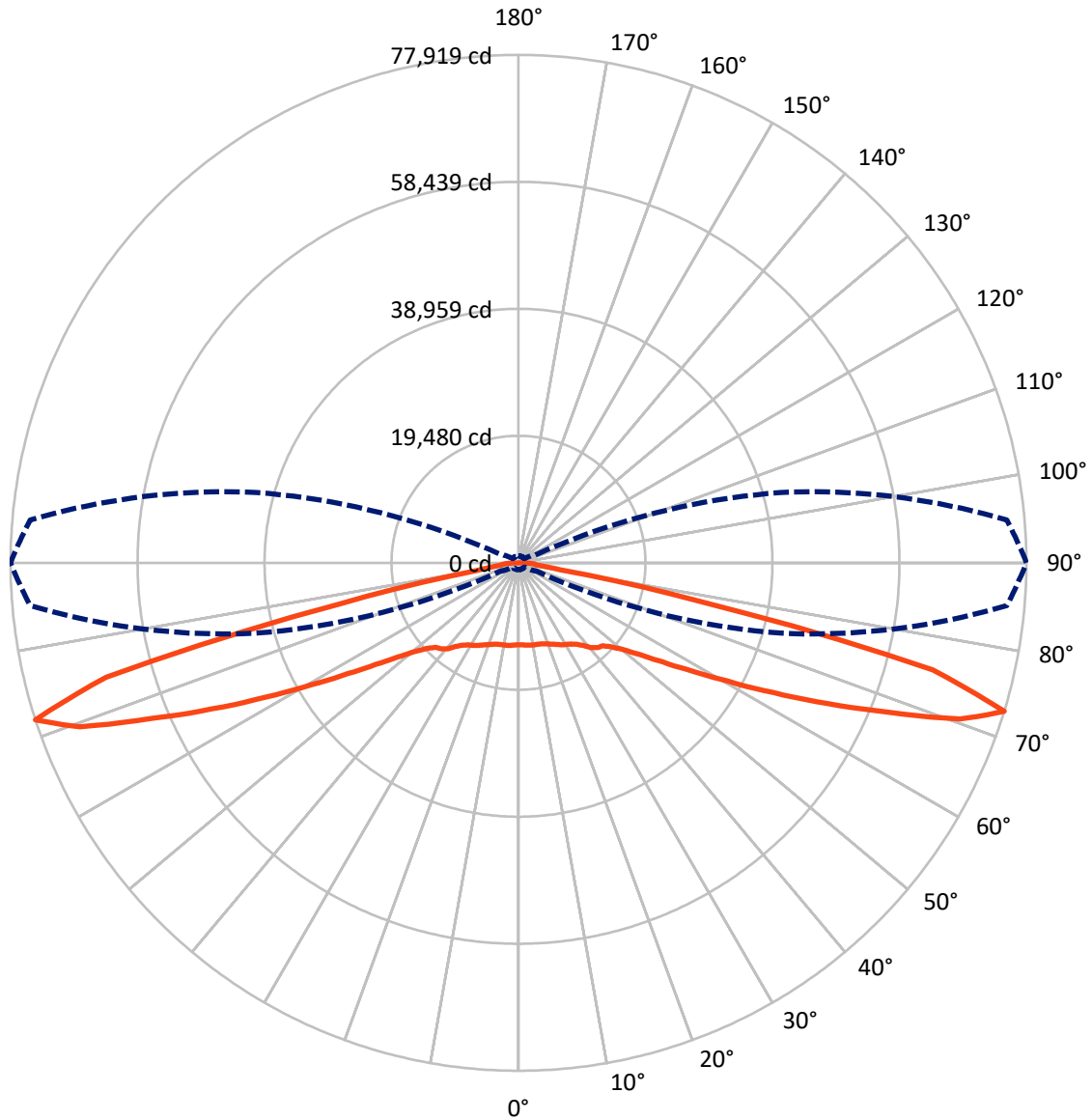
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.2 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	33699.5	0.0	33699.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33699.5	0.0	33699.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	67399.0	0.0	67399.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1221.2	1.8
10°-20°	3733.8	5.5
20°-30°	6225.8	9.2
30°-40°	8562.4	12.7
40°-50°	10457.1	15.5
50°-60°	12094.7	17.9
60°-70°	14420.9	21.4
70°-80°	10064.9	14.9
80°-90°	618.2	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°	67399.0	100.0
0°-180°	67399.0	100.0

Coefficient of Utilization

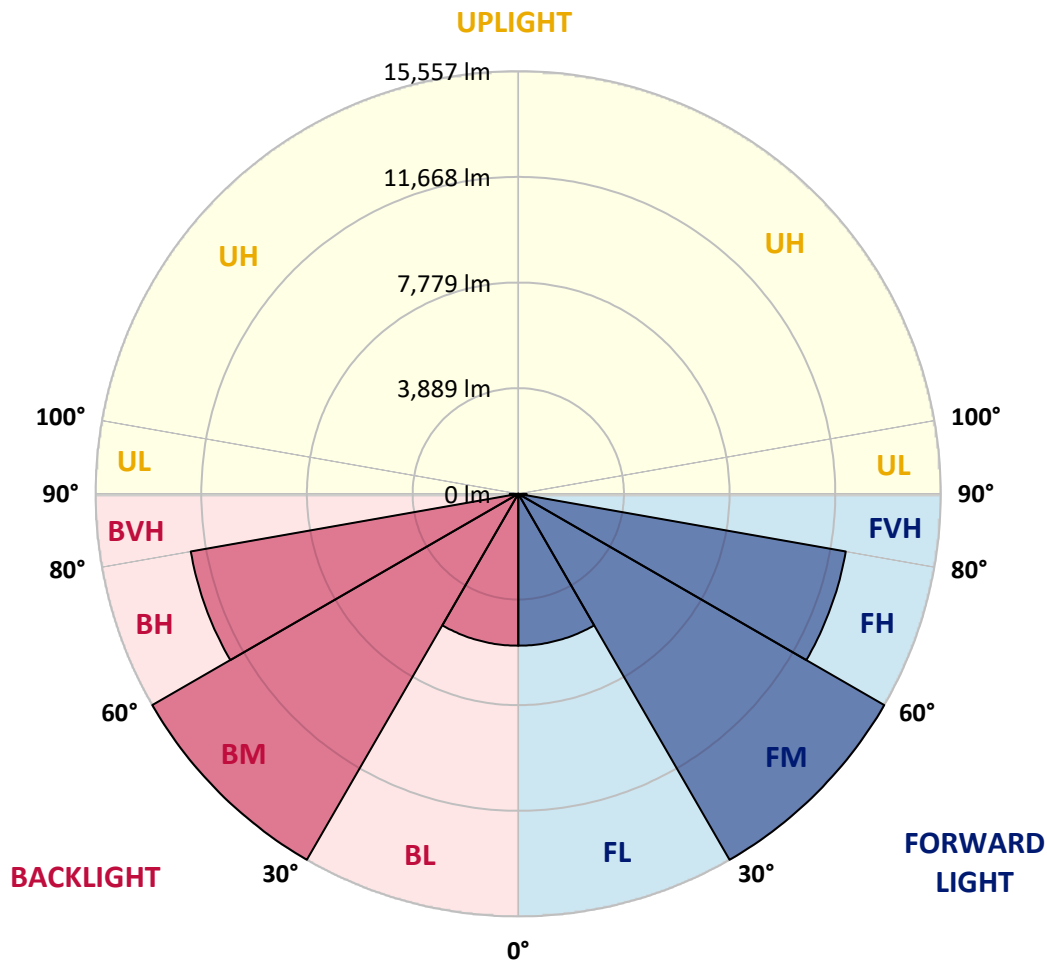


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5590.4	8.3			
FM (30°-60°)	15557.1	23.1			
FH (60°-80°)	12242.9	18.2			G5
FVH (80°-90°)	309.1	0.5			G3/500
BL (0°-30°)	5590.4	8.3	B5		
BM (30°-60°)	15557.1	23.1	B5		
BH (60°-80°)	12242.9	18.2	B5		G5
BVH (80°-90°)	309.1	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°	12594.2	12594.2	12594.2	12594.2	12594.2	12594.2	12594.2	12594.2	12594.2	12594.2
2.5°	12605.0	12619.3	12619.3	12608.5	12633.6	12612.1	12612.1	12601.4	12612.1	12601.4
5°	12669.4	12687.3	12694.5	12690.9	12723.2	12705.3	12705.3	12690.9	12694.5	12683.8
7.5°	12791.2	12816.3	12830.6	12848.5	12895.1	12873.6	12859.3	12816.3	12798.4	12769.7
10°	12830.6	12859.3	12905.8	12999.0	13106.4	13110.0	13067.0	12959.6	12877.2	12812.7
12.5°	12708.8	12748.2	12845.0	13034.8	13274.8	13371.5	13303.4	13124.3	12963.2	12848.5
15°	12554.8	12597.8	12744.7	13031.2	13385.8	13611.5	13604.3	13367.9	13110.0	12930.9
17.5°	12314.8	12357.8	12569.1	12970.3	13471.8	13844.3	13944.6	13701.0	13339.3	13099.3
20°	11881.4	11920.8	12214.5	12776.9	13500.5	14091.5	14353.0	14138.0	13686.7	13360.8
22.5°	11319.0	11379.9	11723.8	12443.8	13432.4	14349.4	14818.6	14671.8	14091.5	13640.2
25°	10717.3	10781.7	11182.9	12035.4	13256.9	14535.6	15370.2	15277.1	14550.0	13987.6
27.5°	10197.9	10265.9	10702.9	11630.7	12984.6	14607.3	15914.7	15961.3	15105.2	14370.9
30°	9789.5	9854.0	10319.7	11304.7	12633.6	14535.6	16391.1	16713.5	15671.1	14704.0
32.5°	9341.8	9424.2	9914.9	10907.1	12218.1	14363.7	16806.6	17526.6	16326.6	15062.2
35°	8775.8	8851.1	9366.9	10362.6	11673.6	14087.9	17154.1	18429.2	17265.1	15606.7
37.5°	8088.1	8159.7	8672.0	9682.1	11132.8	13701.0	17419.1	19446.5	18382.7	16391.1
40°	7396.8	7464.8	7944.8	8922.7	10484.4	13206.7	17512.3	20442.3	19665.0	17469.3
42.5°	6762.8	6823.7	7264.2	8174.1	9757.3	12576.3	17390.5	21309.2	20814.8	18221.5
45°	6178.9	6232.6	6623.1	7472.0	9001.5	11809.8	17025.1	22240.5	22183.2	18758.8
47.5°	5512.7	5566.4	5971.1	6791.4	8245.7	10910.7	16405.4	23157.5	24085.2	19976.7
50°	4699.5	4746.1	5161.6	6007.0	7461.2	9954.3	15545.8	23877.4	26485.1	21821.4
52.5°	3736.0	3786.1	4190.9	5036.3	6529.9	8926.3	14413.9	24346.7	29257.5	24515.0
55°	2779.6	2815.4	3166.5	3925.8	5376.5	7755.0	12995.4	24479.2	32402.5	28197.3
57.5°	2016.7	2038.1	2263.8	2829.8	4076.3	6289.9	11272.5	24135.3	36145.7	32918.3
60°	1633.4	1640.5	1708.6	1959.3	2833.3	4635.1	9191.3	22953.3	40207.6	39004.1
62.5°	1482.9	1482.9	1500.8	1568.9	1916.4	3059.0	6673.2	20503.2	44563.3	46694.6
65°	1379.1	1379.1	1386.2	1418.5	1511.6	1948.6	4212.4	16512.9	48234.8	55703.3
67.5°	1285.9	1289.5	1285.9	1296.7	1350.4	1440.0	2442.9	11405.0	50212.1	65037.9
70°	1189.2	1196.4	1178.5	1178.5	1221.5	1225.0	1529.5	6254.1	48571.5	72860.9
72.5°	1074.6	1085.3	1056.7	1049.5	1081.8	1067.4	1149.8	3001.7	41701.3	75196.3
75°	974.3	988.6	924.1	906.2	906.2	895.5	934.9	1540.2	27065.4	61341.3
77.5°	884.7	913.4	809.5	752.2	737.9	705.6	763.0	942.1	11838.4	28799.1
80°	730.7	770.1	666.2	598.2	573.1	537.3	601.8	659.1	3521.1	6687.5
82.5°	544.5	562.4	472.8	426.3	404.8	379.7	451.3	458.5	1146.2	2367.7
85°	347.5	354.6	290.1	250.7	240.0	229.2	286.6	250.7	437.0	1740.8
87.5°	121.8	139.7	111.0	100.3	107.5	89.5	132.5	75.2	121.8	1228.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12594.2
12601.4
12683.8
12769.7
12802.0
12830.6
12902.3
13059.9
13299.9
13557.8
13873.0
14249.1
14528.5
14840.1
15359.5
16061.6
17118.2
17770.2
18149.9
19274.6
20940.2
23429.7
26839.7
31209.7
36851.3
43811.1
52056.8
61101.3
71825.7
77918.6
65611.0
28200.9
6404.6
2675.7
2528.9
1522.3
0.0

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