

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: P849014

Luminaire Tested: **GLAN-SB5D-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849014
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-SB5D-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 42104 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

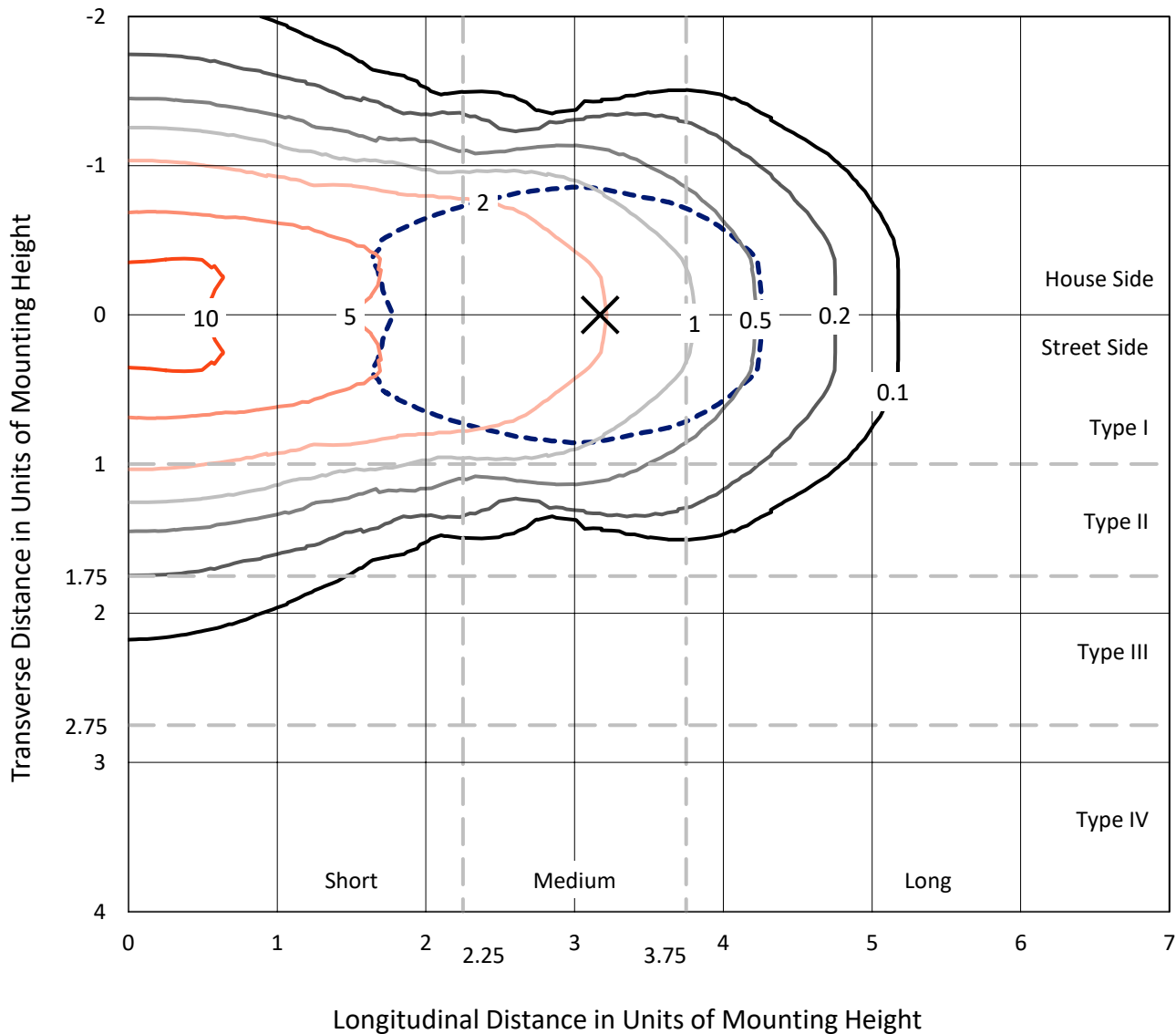
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

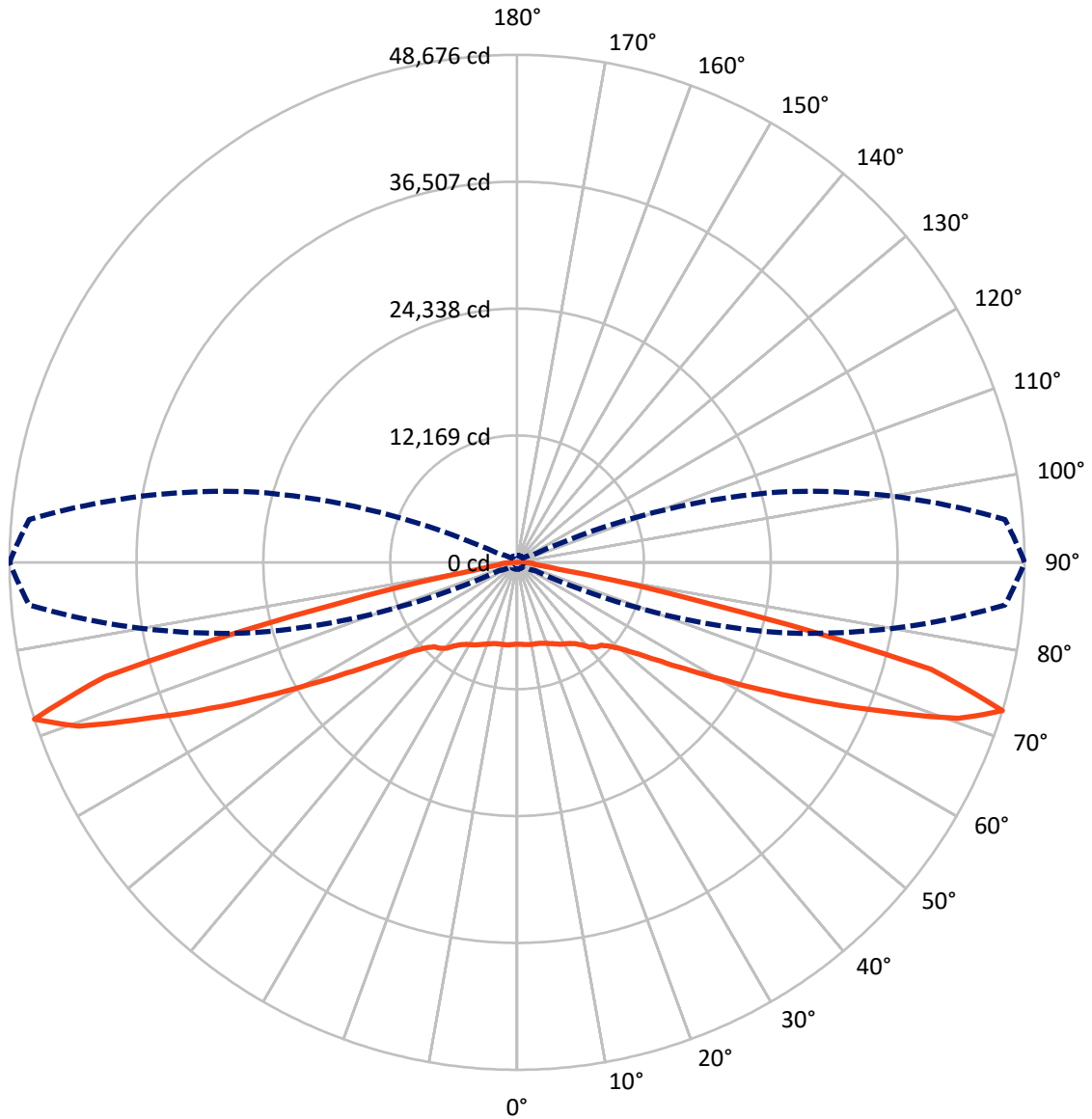
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	21052.0	0.0	21052.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21052.0	0.0	21052.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42104.0	0.0	42104.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.9	1.8
10°-20°	2332.5	5.5
20°-30°	3889.3	9.2
30°-40°	5348.9	12.7
40°-50°	6532.5	15.5
50°-60°	7555.5	17.9
60°-70°	9008.7	21.4
70°-80°	6287.5	14.9
80°-90°	386.2	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°	42104.0	100.0
0°-180°	42104.0	100.0

Coefficient of Utilization

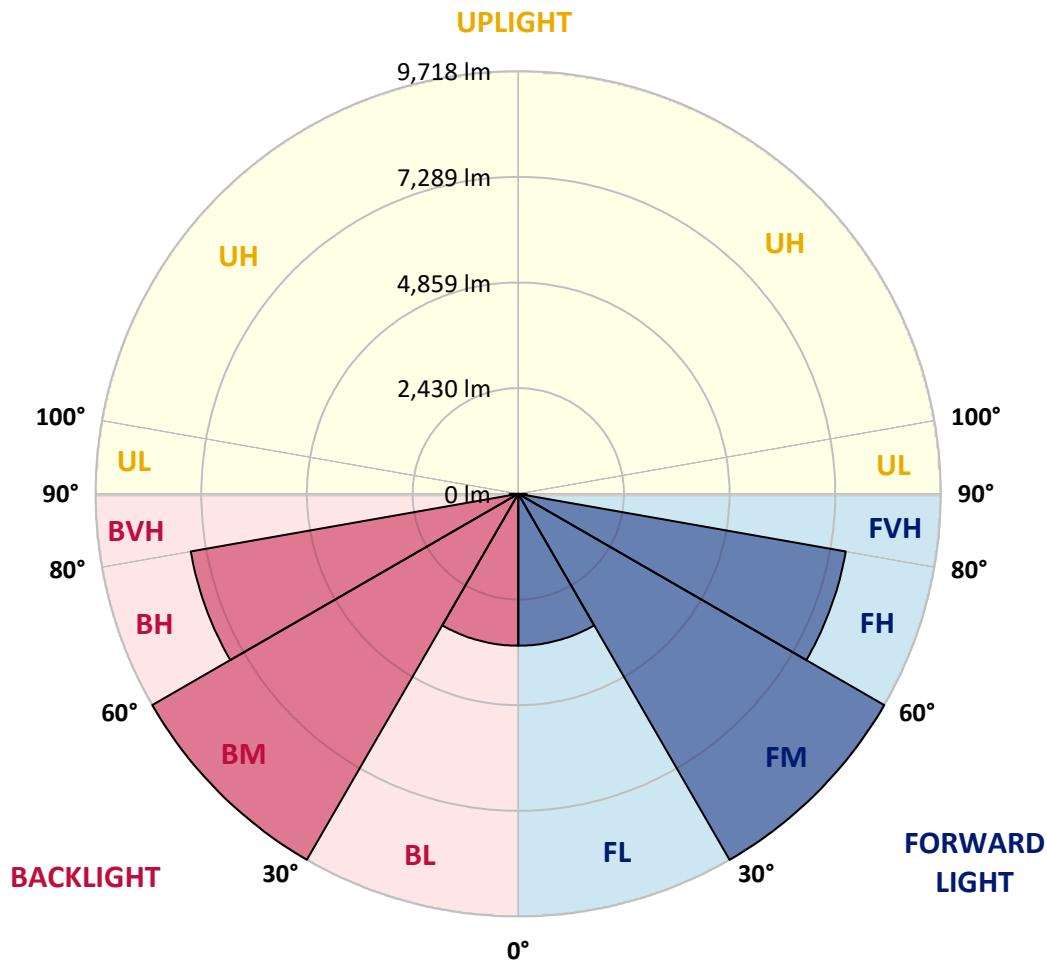


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3492.3	8.3			
FM (30°-60°)	9718.5	23.1			
FH (60°-80°)	7648.1	18.2			G4/12000
FVH (80°-90°)	193.1	0.5			G2/225
BL (0°-30°)	3492.3	8.3	B4/5000		
BM (30°-60°)	9718.5	23.1	B5		
BH (60°-80°)	7648.1	18.2	B5		G5
BVH (80°-90°)	193.1	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°	7867.6	7867.6	7867.6	7867.6	7867.6	7867.6	7867.6	7867.6	7867.6	7867.6
2.5°	7874.3	7883.2	7883.2	7876.5	7892.2	7878.8	7878.8	7872.1	7878.8	7872.1
5°	7914.6	7925.8	7930.2	7928.0	7948.1	7936.9	7936.9	7928.0	7930.2	7923.5
7.5°	7990.6	8006.3	8015.3	8026.4	8055.5	8042.1	8033.2	8006.3	7995.1	7977.2
10°	8015.3	8033.2	8062.3	8120.4	8187.6	8189.8	8162.9	8095.8	8044.4	8004.1
12.5°	7939.2	7963.8	8024.2	8142.8	8292.7	8353.1	8310.6	8198.7	8098.1	8026.4
15°	7843.0	7869.8	7961.6	8140.6	8362.1	8503.1	8498.6	8350.9	8189.8	8077.9
17.5°	7693.0	7719.9	7851.9	8102.5	8415.8	8648.5	8711.2	8559.0	8333.0	8183.1
20°	7422.3	7446.9	7630.4	7981.7	8433.7	8802.9	8966.3	8832.0	8550.1	8346.4
22.5°	7071.0	7109.0	7323.8	7773.6	8391.2	8964.0	9257.2	9165.4	8802.9	8521.0
25°	6695.0	6735.3	6985.9	7518.5	8281.5	9080.4	9601.8	9543.6	9089.3	8738.0
27.5°	6370.6	6413.1	6686.1	7265.6	8111.5	9125.1	9941.9	9971.0	9436.2	8977.5
30°	6115.5	6155.8	6446.7	7062.0	7892.2	9080.4	10239.5	10440.9	9789.7	9185.6
32.5°	5835.8	5887.3	6193.8	6813.6	7632.6	8973.0	10499.1	10948.8	10199.2	9409.3
35°	5482.2	5529.2	5851.5	6473.5	7292.5	8800.7	10716.1	11512.7	10785.5	9749.4
37.5°	5052.6	5097.4	5417.4	6048.4	6954.6	8559.0	10881.7	12148.2	11483.6	10239.5
40°	4620.7	4663.3	4963.1	5574.0	6549.6	8250.2	10939.9	12770.3	12284.7	10913.0
42.5°	4224.7	4262.7	4538.0	5106.3	6095.4	7856.4	10863.8	13311.8	13003.0	11382.9
45°	3859.9	3893.5	4137.4	4667.7	5623.2	7377.5	10635.5	13893.6	13857.8	11718.6
47.5°	3443.7	3477.3	3730.2	4242.6	5151.1	6815.9	10248.4	14466.4	15046.0	12479.4
50°	2935.8	2964.9	3224.5	3752.5	4661.0	6218.4	9711.4	14916.2	16545.2	13631.8
52.5°	2333.9	2365.2	2618.1	3146.1	4079.2	5576.2	9004.3	15209.3	18277.1	15314.5
55°	1736.4	1758.8	1978.1	2452.5	3358.7	4844.5	8118.2	15292.1	20241.8	17614.8
57.5°	1259.8	1273.2	1414.2	1767.7	2546.4	3929.3	7041.9	15077.3	22580.1	20564.0
60°	1020.4	1024.8	1067.4	1224.0	1770.0	2895.5	5741.8	14338.9	25117.6	24365.8
62.5°	926.4	926.4	937.6	980.1	1197.1	1911.0	4168.7	12808.3	27838.6	29170.0
65°	861.5	861.5	866.0	886.1	944.3	1217.3	2631.5	10315.6	30132.2	34797.7
67.5°	803.3	805.6	803.3	810.0	843.6	899.5	1526.1	7124.7	31367.4	40629.0
70°	742.9	747.4	736.2	736.2	763.0	765.3	955.5	3906.9	30342.5	45516.0
72.5°	671.3	678.0	660.1	655.6	675.8	666.8	718.3	1875.2	26050.7	46975.0
75°	608.6	617.6	577.3	566.1	566.1	559.4	584.0	962.2	16907.7	38319.8
77.5°	552.7	570.6	505.7	469.9	461.0	440.8	476.6	588.5	7395.4	17990.7
80°	456.5	481.1	416.2	373.7	358.0	335.6	375.9	411.7	2199.6	4177.7
82.5°	340.1	351.3	295.4	266.3	252.9	237.2	281.9	286.4	716.0	1479.1
85°	217.1	221.5	181.2	156.6	149.9	143.2	179.0	156.6	273.0	1087.5
87.5°	76.1	87.3	69.4	62.7	67.1	55.9	82.8	47.0	76.1	767.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7867.6
7872.1
7923.5
7977.2
7997.4
8015.3
8060.0
8158.5
8308.4
8469.5
8666.4
8901.4
9075.9
9270.6
9595.0
10033.6
10693.7
11101.0
11338.2
12040.8
13081.3
14636.5
16766.7
19496.6
23020.9
27368.7
32519.8
38169.8
44869.4
48675.6
40987.0
17617.0
4000.9
1671.5
1579.8
951.0
0.0

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