

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: P849374

Luminaire Tested: **GLAN-SB6B-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849374
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-SB6B-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29005 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

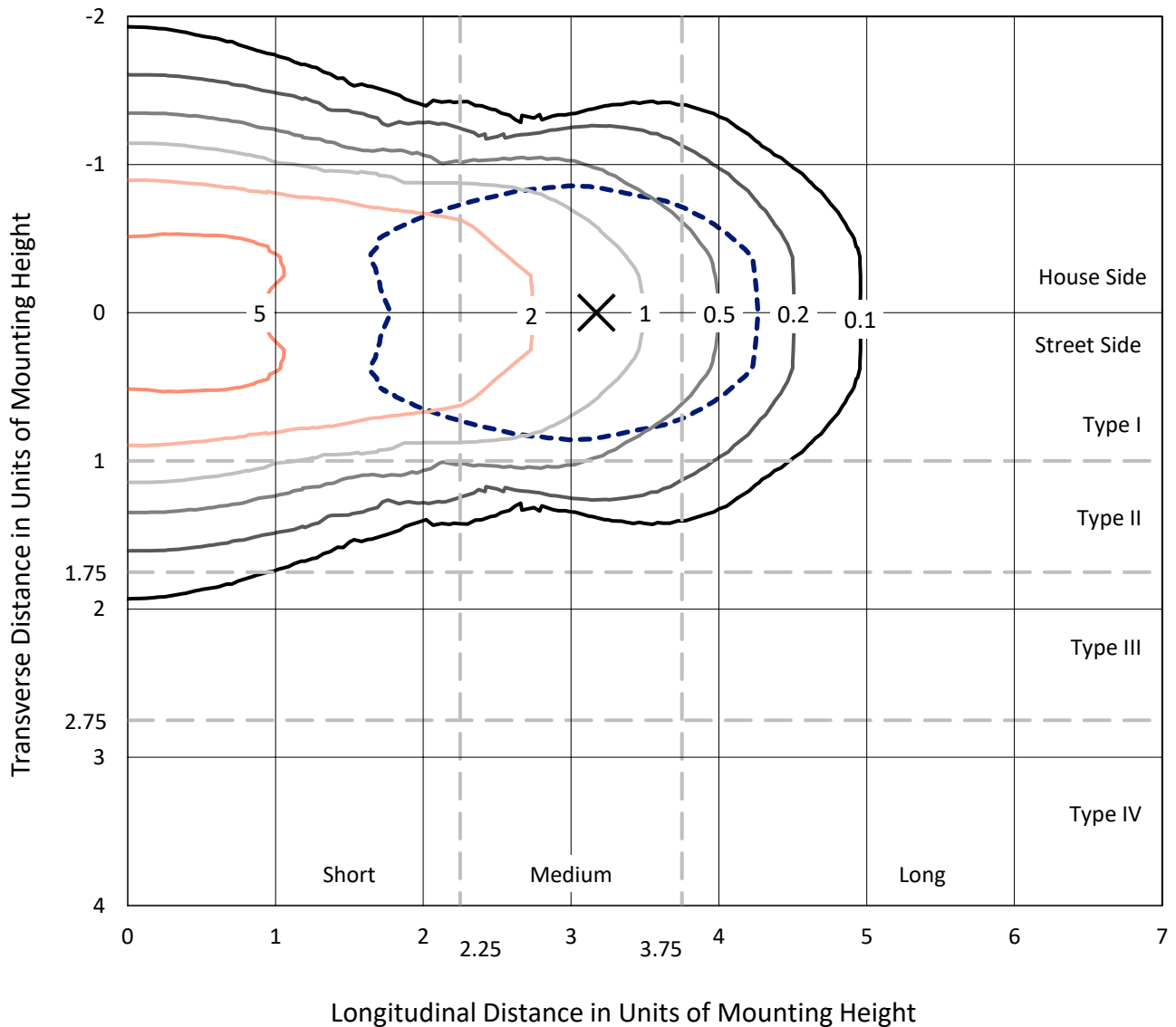
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

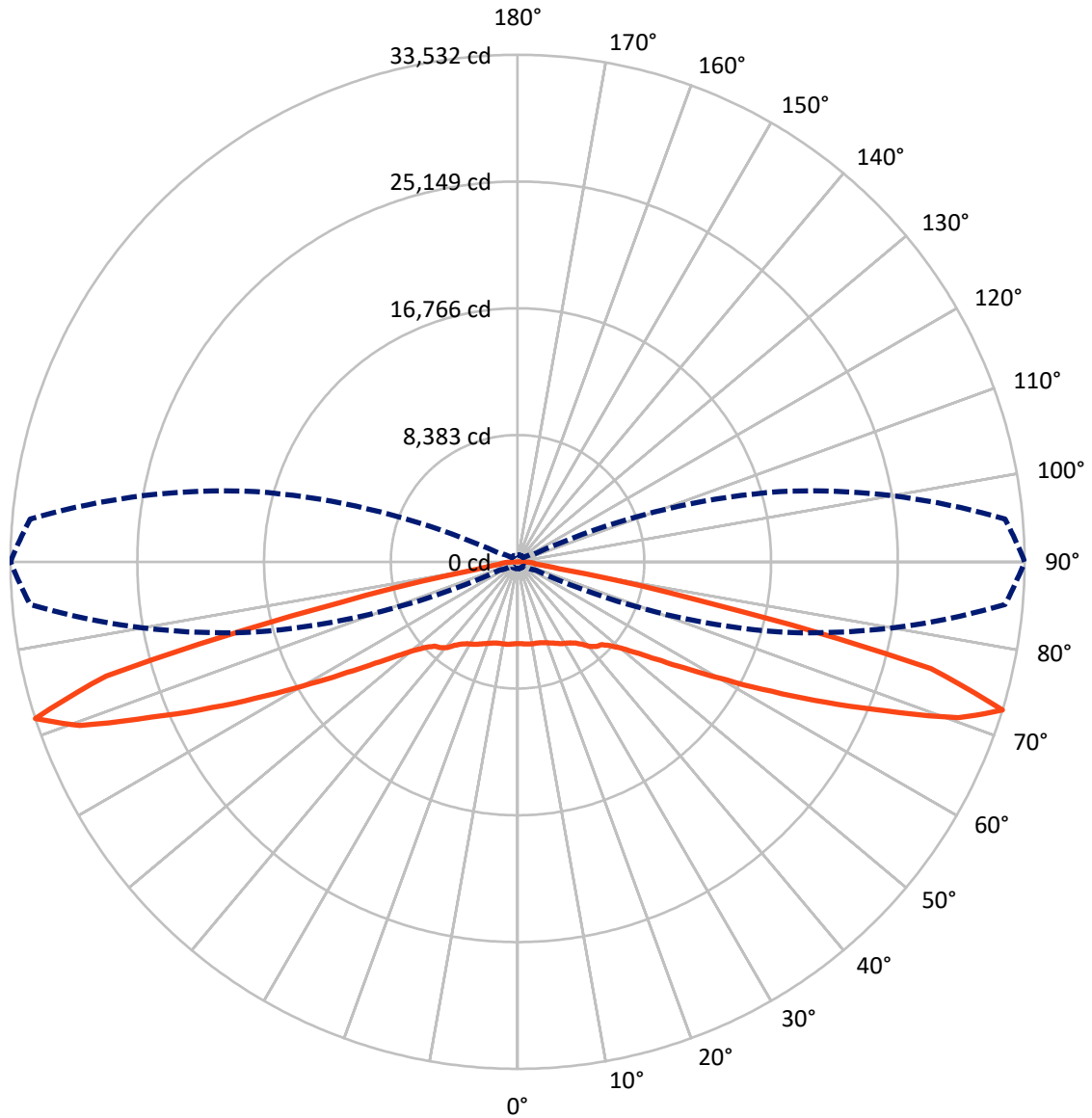
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	14502.5	0.0	14502.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14502.5	0.0	14502.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29005.0	0.0	29005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.5	1.8
10°-20°	1606.8	5.5
20°-30°	2679.3	9.2
30°-40°	3684.8	12.7
40°-50°	4500.2	15.5
50°-60°	5204.9	17.9
60°-70°	6206.0	21.4
70°-80°	4331.4	14.9
80°-90°	266.0	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°	29005.0	100.0
0°-180°	29005.0	100.0

Coefficient of Utilization



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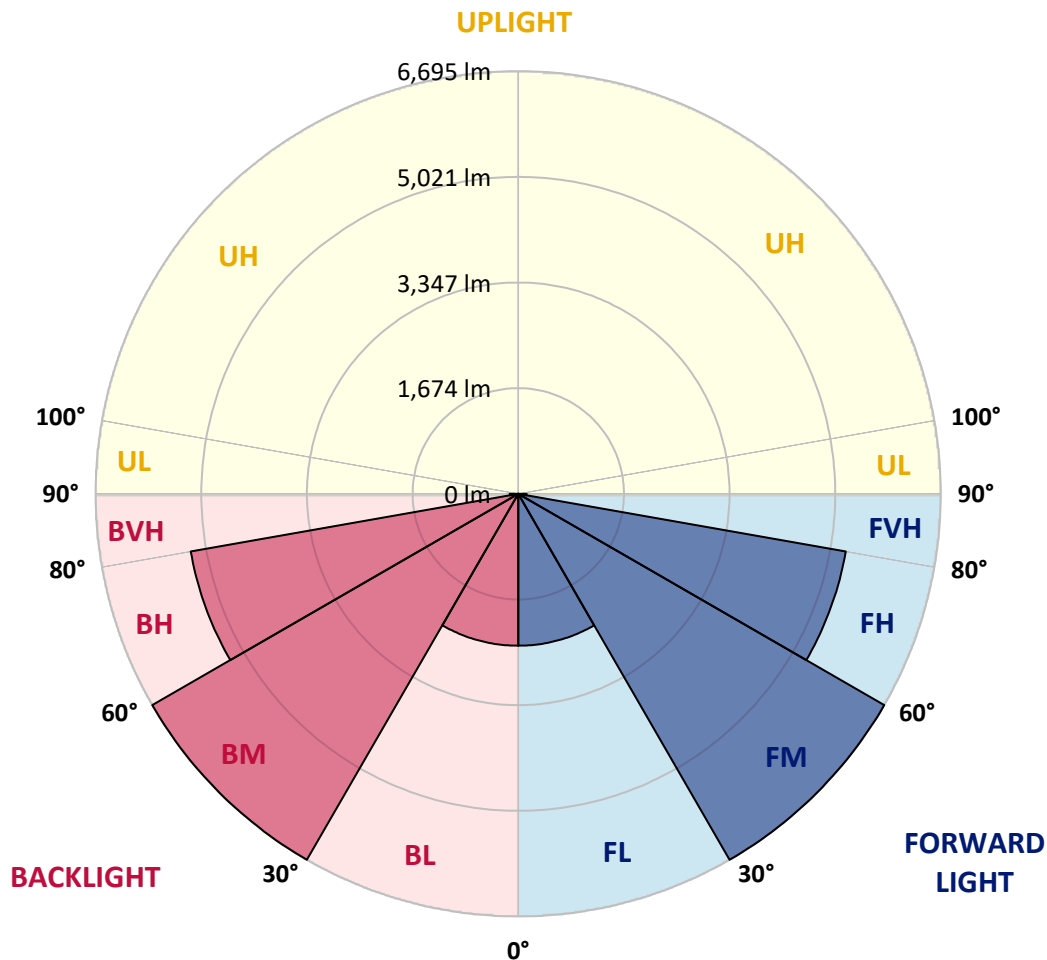
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2405.8	8.3			
FM (30°-60°)	6695.0	23.1			
FH (60°-80°)	5268.7	18.2			G3/7500
FVH (80°-90°)	133.0	0.5			G2/225
BL (0°-30°)	2405.8	8.3	B3/2500		
BM (30°-60°)	6695.0	23.1	B4/8500		
BH (60°-80°)	5268.7	18.2	B5		G5
BVH (80°-90°)	133.0	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°	5419.9	5419.9	5419.9	5419.9	5419.9	5419.9	5419.9	5419.9	5419.9	5419.9
2.5°	5424.5	5430.7	5430.7	5426.1	5436.8	5427.6	5427.6	5423.0	5427.6	5423.0
5°	5452.3	5460.0	5463.1	5461.5	5475.4	5467.7	5467.7	5461.5	5463.1	5458.4
7.5°	5504.7	5515.5	5521.6	5529.3	5549.4	5540.1	5534.0	5515.5	5507.8	5495.4
10°	5521.6	5534.0	5554.0	5594.1	5640.3	5641.9	5623.4	5577.1	5541.7	5513.9
12.5°	5469.2	5486.2	5527.8	5609.5	5712.8	5754.4	5725.1	5648.0	5578.7	5529.3
15°	5402.9	5421.4	5484.6	5608.0	5760.6	5857.7	5854.6	5752.9	5641.9	5564.8
17.5°	5299.7	5318.2	5409.1	5581.7	5797.6	5957.9	6001.0	5896.2	5740.5	5637.2
20°	5113.1	5130.1	5256.5	5498.5	5809.9	6064.2	6176.8	6084.3	5890.0	5749.8
22.5°	4871.1	4897.3	5045.3	5355.1	5780.6	6175.2	6377.2	6314.0	6064.2	5870.0
25°	4612.1	4639.9	4812.5	5179.4	5705.1	6255.4	6614.5	6574.5	6261.5	6019.5
27.5°	4388.6	4417.9	4606.0	5005.2	5587.9	6286.2	6848.9	6868.9	6500.5	6184.5
30°	4212.9	4240.6	4441.0	4865.0	5436.8	6255.4	7053.9	7192.6	6744.0	6327.8
32.5°	4020.2	4055.7	4266.9	4693.8	5258.0	6181.4	7232.7	7542.5	7026.1	6482.0
35°	3776.7	3809.0	4031.0	4459.5	5023.7	6062.7	7382.2	7931.0	7430.0	6716.3
37.5°	3480.7	3511.5	3732.0	4166.7	4791.0	5896.2	7496.3	8368.8	7910.9	7053.9
40°	3183.2	3212.5	3419.0	3839.9	4512.0	5683.5	7536.4	8797.3	8462.8	7517.9
42.5°	2910.3	2936.5	3126.1	3517.7	4199.0	5412.2	7483.9	9170.3	8957.6	7841.6
45°	2659.1	2682.2	2850.2	3215.6	3873.8	5082.3	7326.7	9571.1	9546.5	8072.8
47.5°	2372.4	2395.5	2569.7	2922.7	3548.5	4695.4	7060.0	9965.8	10365.0	8596.9
50°	2022.4	2042.5	2221.3	2585.1	3210.9	4283.8	6690.1	10275.6	11397.8	9390.8
52.5°	1607.8	1629.4	1803.5	2167.3	2810.1	3841.4	6203.0	10477.5	12590.9	10550.0
55°	1196.2	1211.6	1362.7	1689.5	2313.8	3337.3	5592.5	10534.6	13944.3	12134.6
57.5°	867.9	877.1	974.2	1217.8	1754.2	2706.9	4851.1	10386.6	15555.2	14166.3
60°	702.9	706.0	735.3	843.2	1219.3	1994.7	3955.5	9877.9	17303.3	16785.3
62.5°	638.2	638.2	645.9	675.2	824.7	1316.4	2871.8	8823.5	19177.7	20094.9
65°	593.5	593.5	596.6	610.4	650.5	838.6	1812.8	7106.3	20757.7	23971.8
67.5°	553.4	554.9	553.4	558.0	581.1	619.7	1051.3	4908.1	21608.7	27988.9
70°	511.8	514.9	507.2	507.2	525.6	527.2	658.2	2691.4	20902.6	31355.5
72.5°	462.4	467.1	454.7	451.7	465.5	459.4	494.8	1291.8	17946.1	32360.6
75°	419.3	425.5	397.7	390.0	390.0	385.4	402.3	662.8	11647.5	26398.1
77.5°	380.7	393.1	348.4	323.7	317.5	303.7	328.3	405.4	5094.6	12393.6
80°	314.5	331.4	286.7	257.4	246.6	231.2	259.0	283.6	1515.3	2878.0
82.5°	234.3	242.0	203.5	183.4	174.2	163.4	194.2	197.3	493.3	1018.9
85°	149.5	152.6	124.9	107.9	103.3	98.7	123.3	107.9	188.1	749.2
87.5°	52.4	60.1	47.8	43.2	46.2	38.5	57.0	32.4	52.4	528.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5419.9
5423.0
5458.4
5495.4
5509.3
5521.6
5552.5
5620.3
5723.6
5834.6
5970.2
6132.1
6252.3
6386.4
6609.9
6912.1
7366.8
7647.3
7810.7
8294.8
9011.6
10082.9
11550.4
13431.0
15858.9
18854.0
22402.5
26294.8
30910.0
33532.1
28235.5
12136.2
2756.2
1151.5
1088.3
655.1
0.0

OF REPORT)