

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: P849364

Luminaire Tested: **GLAN-SB6B-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849364
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-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30041 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

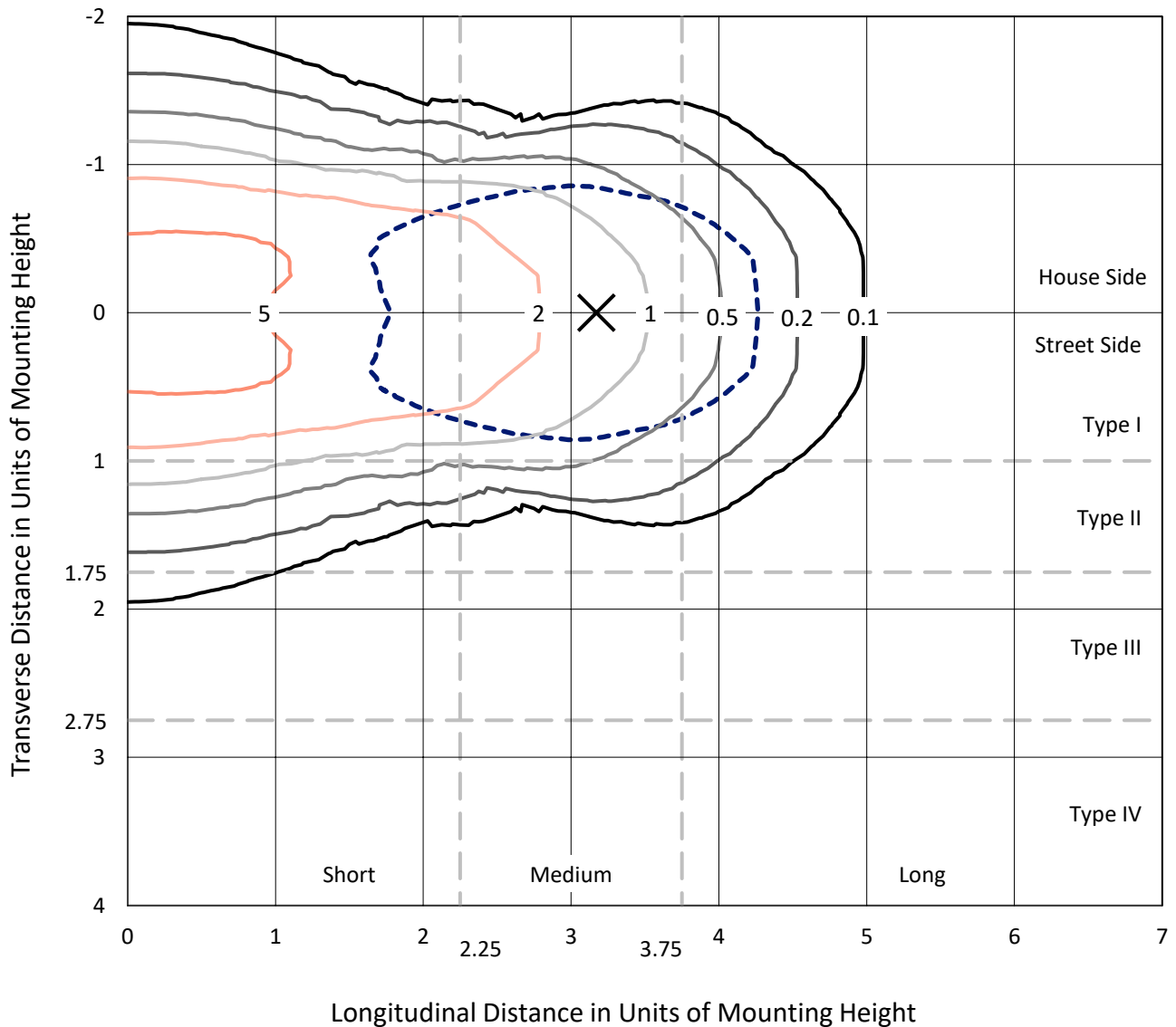
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

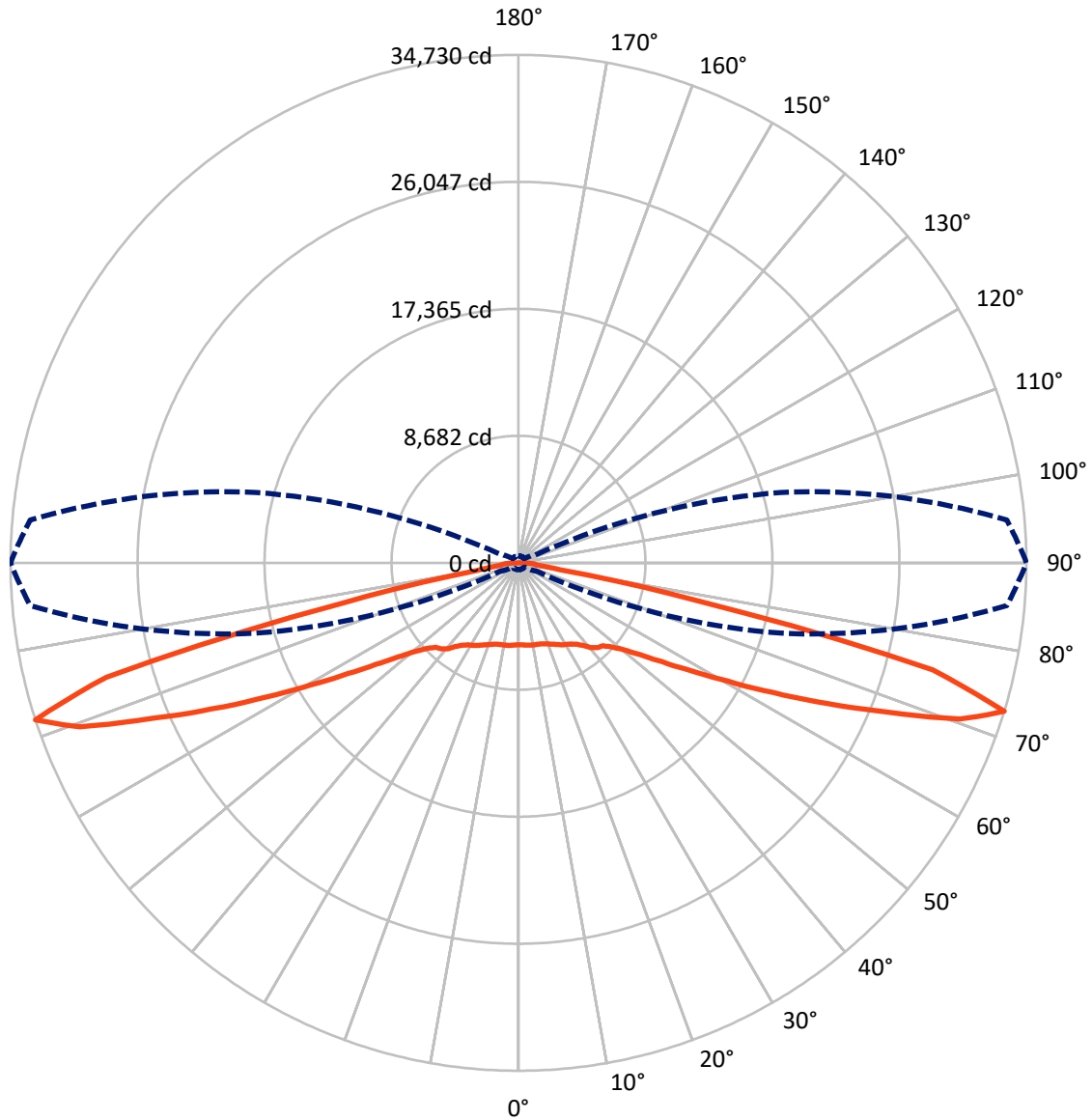
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	15020.5	0.0	15020.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15020.5	0.0	15020.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30041.0	0.0	30041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.3	1.8
10°-20°	1664.2	5.5
20°-30°	2775.0	9.2
30°-40°	3816.4	12.7
40°-50°	4660.9	15.5
50°-60°	5390.8	17.9
60°-70°	6427.7	21.4
70°-80°	4486.1	14.9
80°-90°	275.5	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°	30041.0	100.0
0°-180°	30041.0	100.0

Coefficient of Utilization

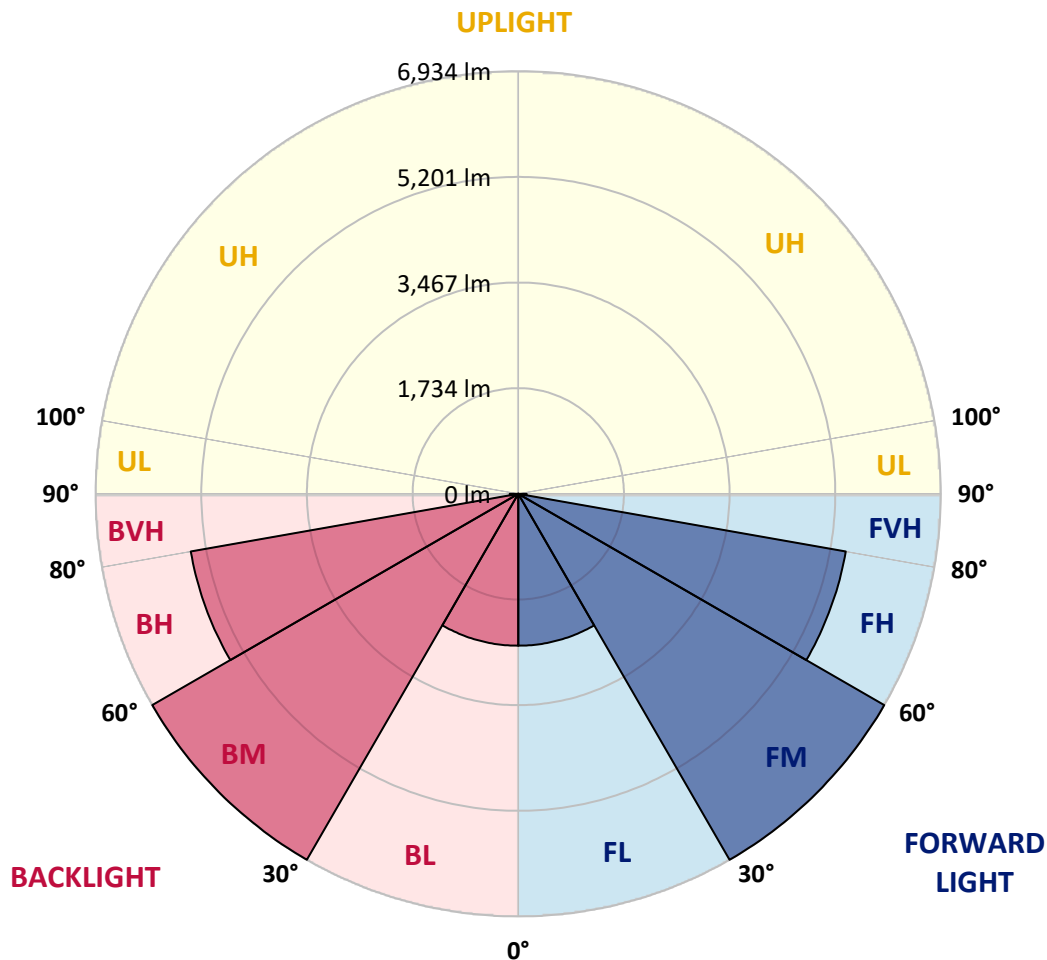


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2491.7	8.3			
FM (30°-60°)	6934.1	23.1			
FH (60°-80°)	5456.9	18.2			G3/7500
FVH (80°-90°)	137.8	0.5			G2/225
BL (0°-30°)	2491.7	8.3	B3/2500		
BM (30°-60°)	6934.1	23.1	B4/8500		
BH (60°-80°)	5456.9	18.2	B5		G5
BVH (80°-90°)	137.8	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°	5613.5	5613.5	5613.5	5613.5	5613.5	5613.5	5613.5	5613.5	5613.5	5613.5
2.5°	5618.3	5624.7	5624.7	5619.9	5631.0	5621.5	5621.5	5616.7	5621.5	5616.7
5°	5647.0	5655.0	5658.2	5656.6	5671.0	5663.0	5663.0	5656.6	5658.2	5653.4
7.5°	5701.3	5712.5	5718.9	5726.8	5747.6	5738.0	5731.6	5712.5	5704.5	5691.7
10°	5718.9	5731.6	5752.4	5793.9	5841.8	5843.4	5824.2	5776.3	5739.6	5710.9
12.5°	5664.6	5682.1	5725.2	5809.9	5916.8	5959.9	5929.6	5849.8	5777.9	5726.8
15°	5595.9	5615.1	5680.5	5808.3	5966.3	6066.9	6063.7	5958.3	5843.4	5763.6
17.5°	5488.9	5508.1	5602.3	5781.1	6004.6	6170.7	6215.4	6106.8	5945.6	5838.6
20°	5295.8	5313.3	5444.2	5694.9	6017.4	6280.8	6397.4	6301.6	6100.4	5955.1
22.5°	5045.1	5072.2	5225.5	5546.4	5987.1	6395.8	6604.9	6539.5	6280.8	6079.7
25°	4776.9	4805.6	4984.4	5364.4	5908.8	6478.8	6850.8	6809.3	6485.2	6234.5
27.5°	4545.4	4575.7	4770.5	5184.0	5787.5	6510.7	7093.5	7114.2	6732.7	6405.4
30°	4363.4	4392.1	4599.7	5038.7	5631.0	6478.8	7305.8	7449.5	6984.9	6553.8
32.5°	4163.8	4200.5	4419.3	4861.5	5445.8	6402.2	7491.0	7811.9	7277.1	6713.5
35°	3911.6	3945.1	4175.0	4618.8	5203.2	6279.2	7645.9	8214.3	7695.4	6956.2
37.5°	3605.0	3636.9	3865.3	4315.5	4962.1	6106.8	7764.0	8667.7	8193.5	7305.8
40°	3296.9	3327.2	3541.2	3977.0	4673.1	5886.5	7805.5	9111.5	8765.1	7786.4
42.5°	3014.3	3041.4	3237.8	3643.3	4349.0	5605.5	7751.3	9497.9	9277.6	8121.7
45°	2754.1	2778.0	2952.0	3330.4	4012.1	5263.8	7588.4	9913.0	9887.4	8361.1
47.5°	2457.1	2481.0	2661.5	3027.1	3675.3	4863.1	7312.2	10321.7	10735.2	8904.0
50°	2094.7	2115.4	2300.6	2677.4	3325.6	4436.8	6929.0	10642.6	11804.9	9726.2
52.5°	1665.2	1687.6	1868.0	2244.8	2910.5	3978.6	6424.5	10851.8	13040.6	10926.8
55°	1238.9	1254.9	1411.4	1749.8	2396.4	3456.5	5792.3	10910.8	14442.4	12568.1
57.5°	898.9	908.4	1009.0	1261.3	1816.9	2803.5	5024.4	10757.6	16110.8	14672.3
60°	728.0	731.2	761.6	873.3	1262.9	2065.9	4096.8	10230.7	17921.3	17384.9
62.5°	661.0	661.0	669.0	699.3	854.2	1363.5	2974.4	9138.7	19862.7	20812.7
65°	614.7	614.7	617.9	632.2	673.7	868.5	1877.5	7360.1	21499.2	24828.0
67.5°	573.2	574.8	573.2	578.0	601.9	641.8	1088.8	5083.4	22380.5	28988.6
70°	530.1	533.2	525.3	525.3	544.4	546.0	681.7	2787.6	21649.2	32475.5
72.5°	479.0	483.8	471.0	467.8	482.2	475.8	512.5	1337.9	18587.1	33516.4
75°	434.3	440.6	411.9	403.9	403.9	399.1	416.7	686.5	12063.5	27341.0
77.5°	394.3	407.1	360.8	335.3	328.9	314.5	340.1	419.9	5276.6	12836.3
80°	325.7	343.3	297.0	266.6	255.4	239.5	268.2	293.8	1569.4	2980.8
82.5°	242.7	250.7	210.7	190.0	180.4	169.2	201.2	204.4	510.9	1055.3
85°	154.9	158.1	129.3	111.8	107.0	102.2	127.7	111.8	194.8	775.9
87.5°	54.3	62.3	49.5	44.7	47.9	39.9	59.1	33.5	54.3	547.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5613.5
5616.7
5653.4
5691.7
5706.1
5718.9
5750.8
5821.0
5928.0
6043.0
6183.4
6351.1
6475.6
6614.5
6846.0
7158.9
7629.9
7920.5
8089.7
8591.0
9333.4
10443.0
11963.0
13910.8
16425.3
19527.4
23202.7
27234.0
32014.1
34729.8
29244.0
12569.7
2854.6
1192.6
1127.2
678.5
0.0

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