

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: P850394

Luminaire Tested: **GLAN-SB7D-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850394
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-SB7D-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61472 lumens
Efficiency: N/A
Efficacy: 119.9 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

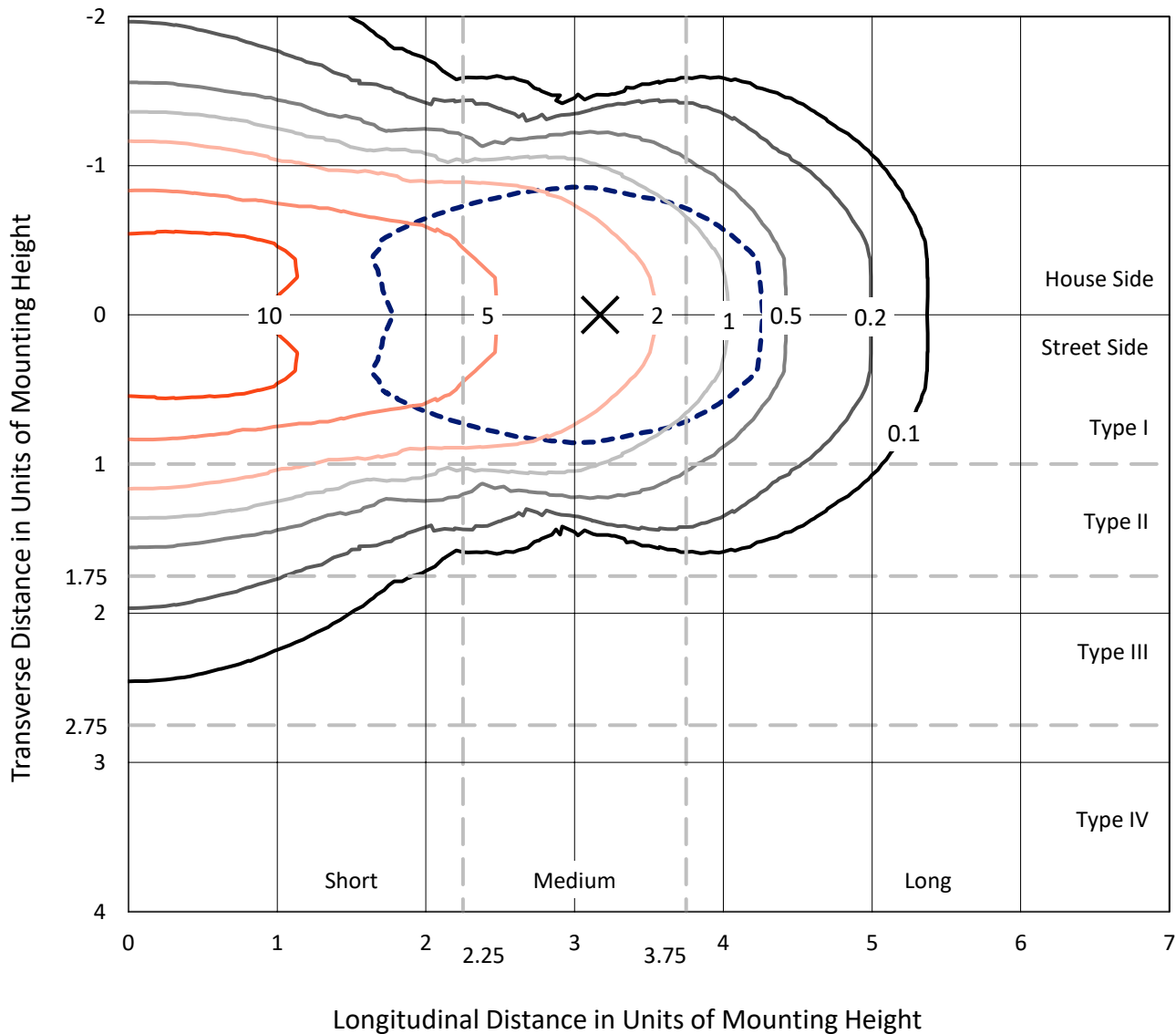
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

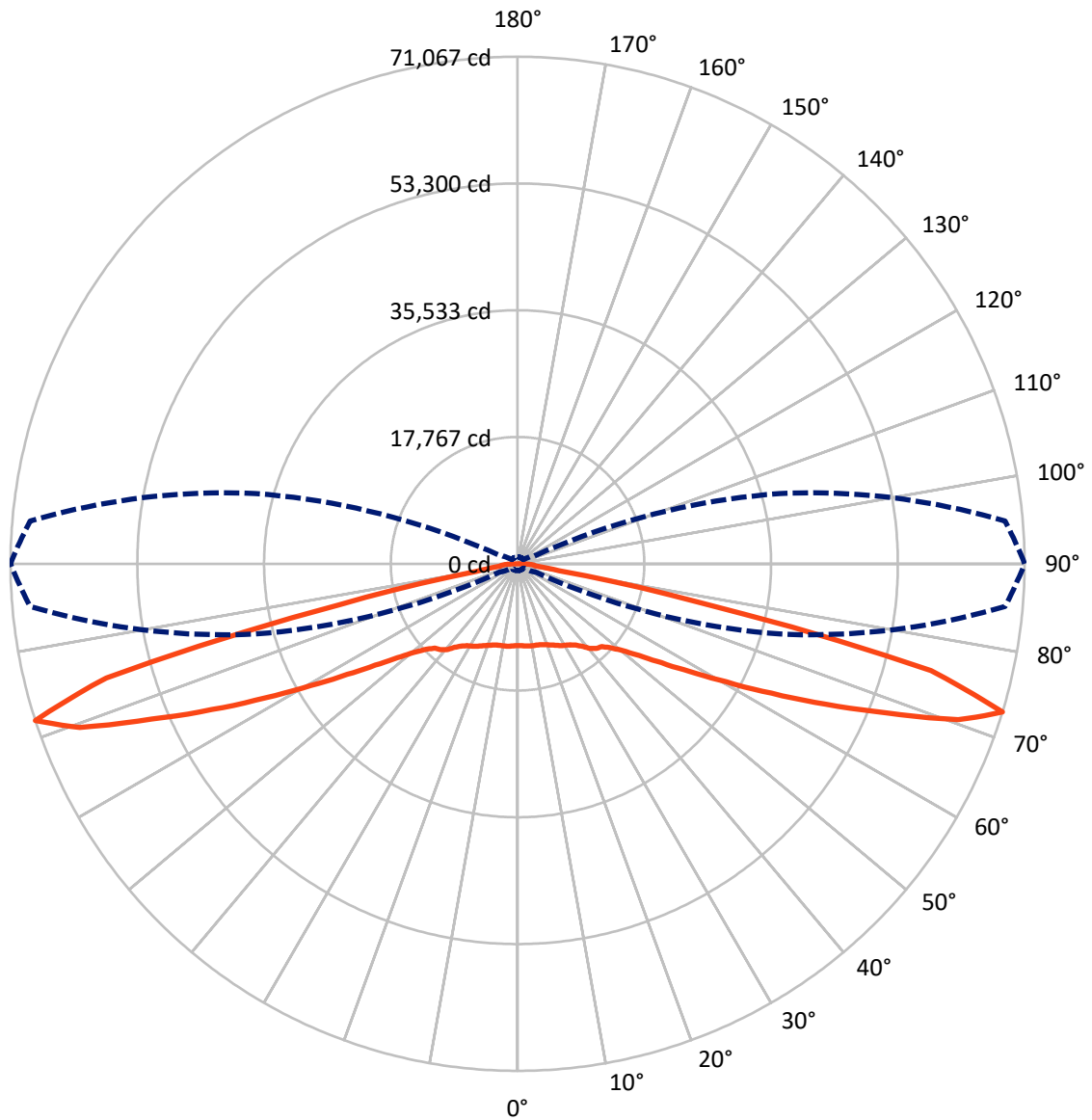
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 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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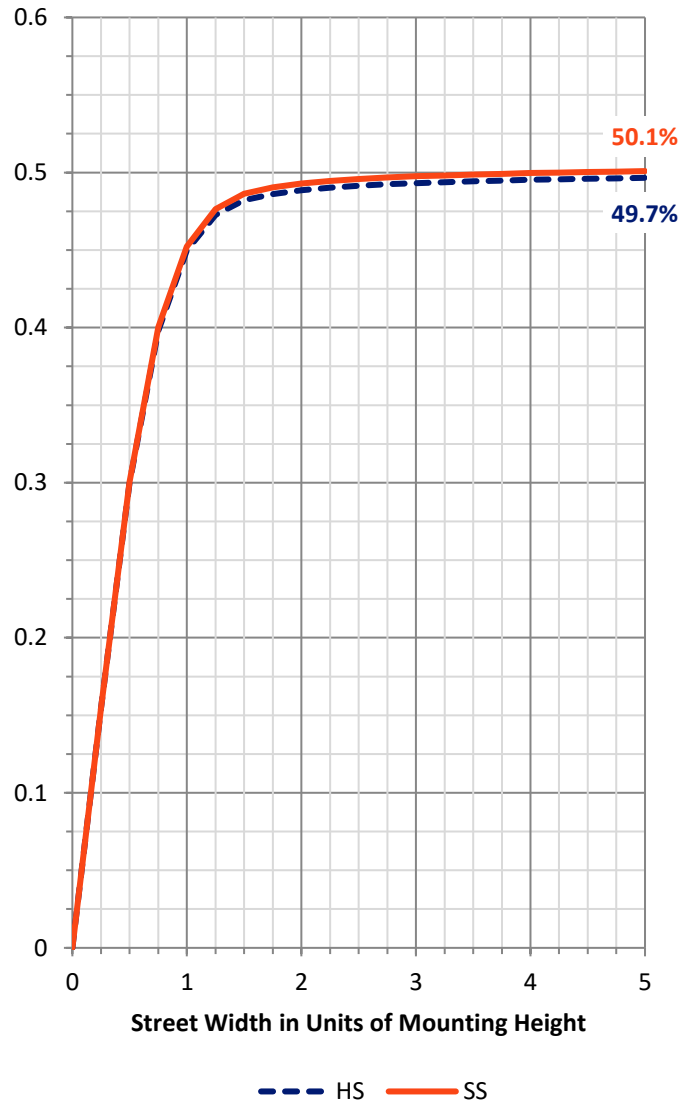
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30736.0	0.0	30736.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30736.0	0.0	30736.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	61472.0	0.0	61472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1113.8	1.8
10°-20°	3405.5	5.5
20°-30°	5678.3	9.2
30°-40°	7809.5	12.7
40°-50°	9537.5	15.5
50°-60°	11031.1	17.9
60°-70°	13152.8	21.4
70°-80°	9179.8	14.9
80°-90°	563.8	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°	61472.0	100.0
0°-180°	61472.0	100.0

Coefficient of Utilization

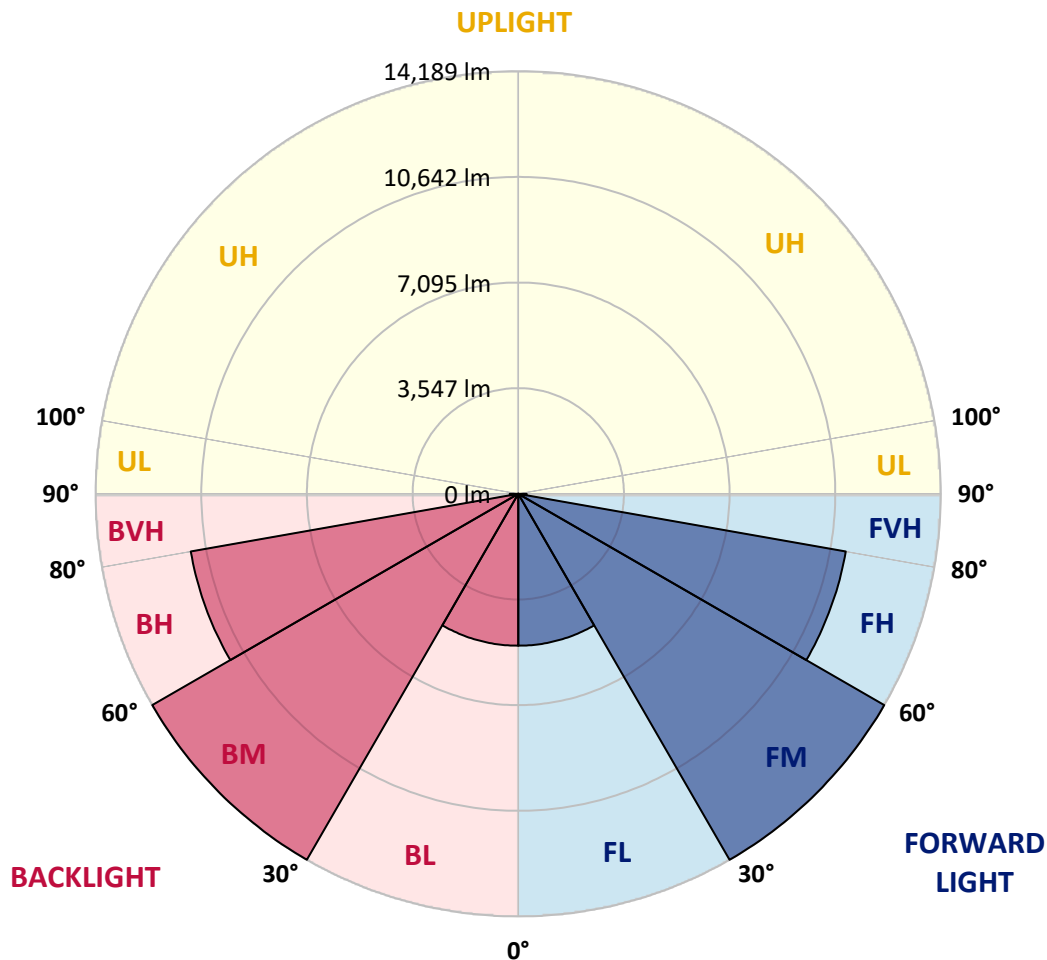


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5098.8	8.3			
FM (30°-60°)	14189.0	23.1			
FH (60°-80°)	11166.3	18.2			G4/12000
FVH (80°-90°)	281.9	0.5			G3/500
BL (0°-30°)	5098.8	8.3	B5		
BM (30°-60°)	14189.0	23.1	B5		
BH (60°-80°)	11166.3	18.2	B5		G5
BVH (80°-90°)	281.9	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°	11486.7	11486.7	11486.7	11486.7	11486.7	11486.7	11486.7	11486.7	11486.7	11486.7
2.5°	11496.5	11509.6	11509.6	11499.8	11522.6	11503.0	11503.0	11493.2	11503.0	11493.2
5°	11555.3	11571.6	11578.2	11574.9	11604.3	11588.0	11588.0	11574.9	11578.2	11568.4
7.5°	11666.4	11689.2	11702.3	11718.6	11761.1	11741.5	11728.4	11689.2	11672.9	11646.8
10°	11702.3	11728.4	11770.9	11855.9	11953.9	11957.1	11917.9	11819.9	11744.8	11686.0
12.5°	11591.2	11627.2	11715.4	11888.5	12107.4	12195.6	12133.6	11970.2	11823.2	11718.6
15°	11450.8	11490.0	11623.9	11885.3	12208.7	12414.5	12408.0	12192.4	11957.1	11793.8
17.5°	11231.9	11271.1	11463.8	11829.7	12287.1	12626.9	12718.3	12496.2	12166.2	11947.3
20°	10836.6	10872.5	11140.4	11653.3	12313.2	12852.3	13090.8	12894.8	12483.1	12185.8
22.5°	10323.6	10379.2	10692.8	11349.5	12251.2	13087.5	13515.5	13381.5	12852.3	12440.6
25°	9774.8	9833.6	10199.5	10977.0	12091.1	13257.4	14018.6	13933.7	13270.5	12757.5
27.5°	9301.1	9363.2	9761.7	10607.9	11842.8	13322.7	14515.2	14557.7	13776.8	13107.1
30°	8928.6	8987.5	9412.2	10310.6	11522.6	13257.4	14949.7	15243.7	14293.0	13410.9
32.5°	8520.3	8595.4	9043.0	9947.9	11143.7	13100.6	15328.7	15985.3	14890.9	13737.6
35°	8004.1	8072.7	8543.1	9451.4	10647.1	12849.0	15645.6	16808.6	15746.8	14234.2
37.5°	7376.8	7442.2	7909.4	8830.6	10153.8	12496.2	15887.3	17736.4	16766.1	14949.7
40°	6746.3	6808.4	7246.2	8138.0	9562.4	12045.3	15972.3	18644.6	17935.7	15933.0
42.5°	6168.1	6223.6	6625.4	7455.2	8899.2	11470.4	15861.2	19435.2	18984.4	16619.1
45°	5635.5	5684.5	6040.6	6814.9	8209.9	10771.2	15527.9	20284.7	20232.4	17109.2
47.5°	5027.9	5076.9	5446.1	6194.2	7520.6	9951.2	14962.8	21121.0	21967.2	18219.9
50°	4286.3	4328.7	4707.7	5478.7	6805.1	9078.9	14178.7	21777.7	24156.0	19902.4
52.5°	3407.5	3453.2	3822.4	4593.4	5955.7	8141.3	13146.3	22205.6	26684.7	22359.2
55°	2535.2	2567.8	2888.0	3580.6	4903.7	7073.0	11852.6	22326.5	29553.1	25717.6
57.5°	1839.3	1858.9	2064.7	2580.9	3717.8	5736.8	10281.2	22012.9	32967.1	30023.5
60°	1489.7	1496.3	1558.3	1787.0	2584.2	4227.5	8383.1	20934.8	36671.8	35574.1
62.5°	1352.5	1352.5	1368.9	1430.9	1747.8	2790.0	6086.4	18700.2	40644.5	42588.3
65°	1257.8	1257.8	1264.3	1293.7	1378.7	1777.2	3842.0	15060.8	43993.1	50804.8
67.5°	1172.8	1176.1	1172.8	1182.6	1231.7	1313.3	2228.1	10402.1	45796.5	59318.5
70°	1084.6	1091.2	1074.8	1074.8	1114.0	1117.3	1395.0	5704.1	44300.2	66453.6
72.5°	980.1	989.9	963.8	957.2	986.6	973.6	1048.7	2737.7	38034.1	68583.7
75°	888.6	901.7	842.9	826.5	826.5	816.7	852.7	1404.8	24685.3	55947.0
77.5°	806.9	833.1	738.3	686.1	673.0	643.6	695.9	859.2	10797.4	26266.5
80°	666.5	702.4	607.7	545.6	522.7	490.0	548.9	601.1	3211.4	6099.4
82.5°	496.6	512.9	431.2	388.8	369.2	346.3	411.6	418.2	1045.4	2159.5
85°	316.9	323.4	264.6	228.7	218.9	209.1	261.4	228.7	398.6	1587.8
87.5°	111.1	127.4	101.3	91.5	98.0	81.7	120.9	68.6	111.1	1120.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11486.7
11493.2
11568.4
11646.8
11676.2
11702.3
11767.7
11911.4
12130.3
12365.5
12653.0
12996.0
13250.9
13535.1
14008.8
14649.1
15612.9
16207.5
16553.8
17579.6
19098.7
21369.3
24479.5
28465.2
33610.7
39958.4
47479.0
55728.1
65509.4
71066.6
59841.2
25720.9
5841.4
2440.4
2306.5
1388.5
0.0

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