

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: P850391

Luminaire Tested: **GLAN-SB7D-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62854 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

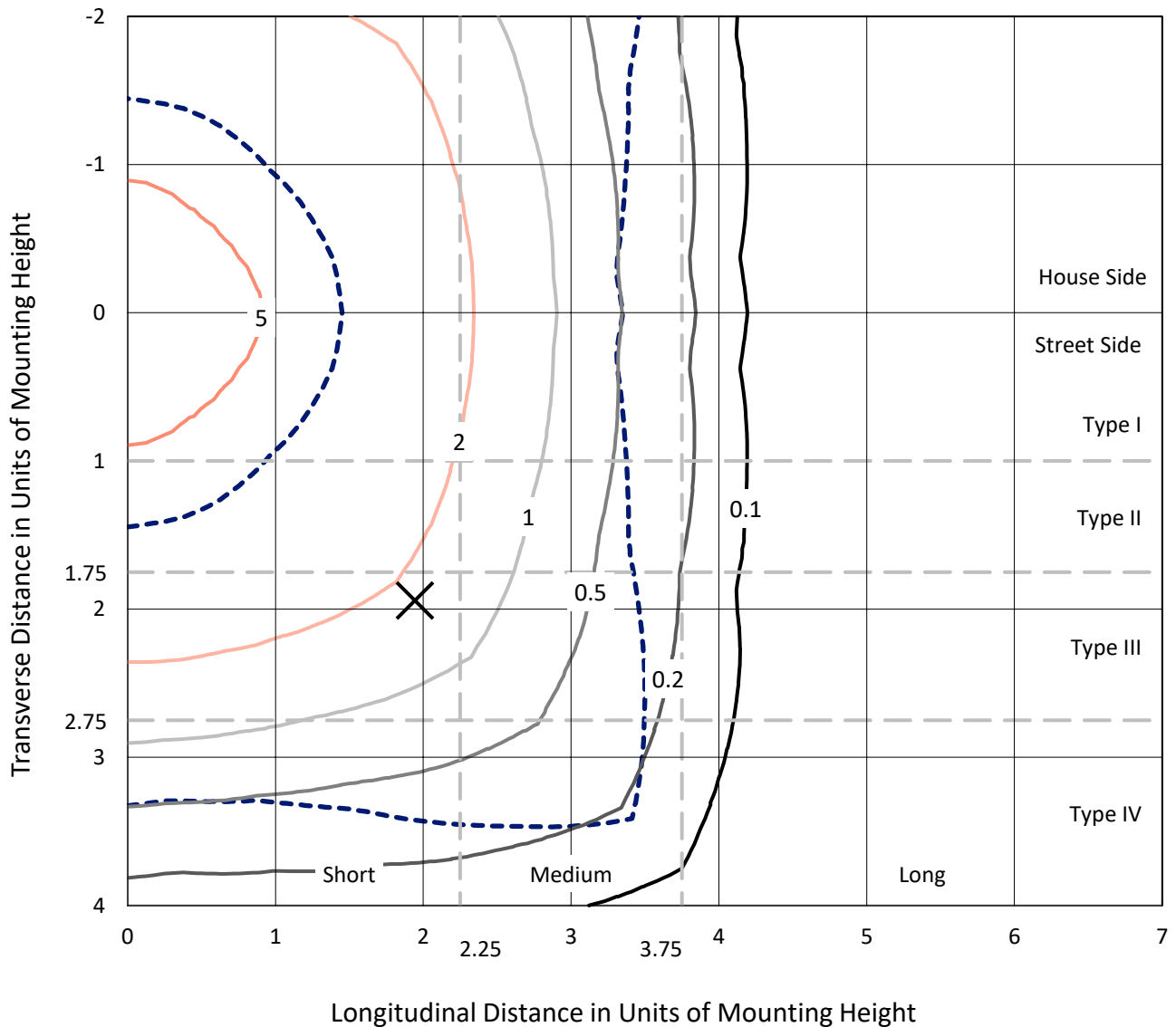
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

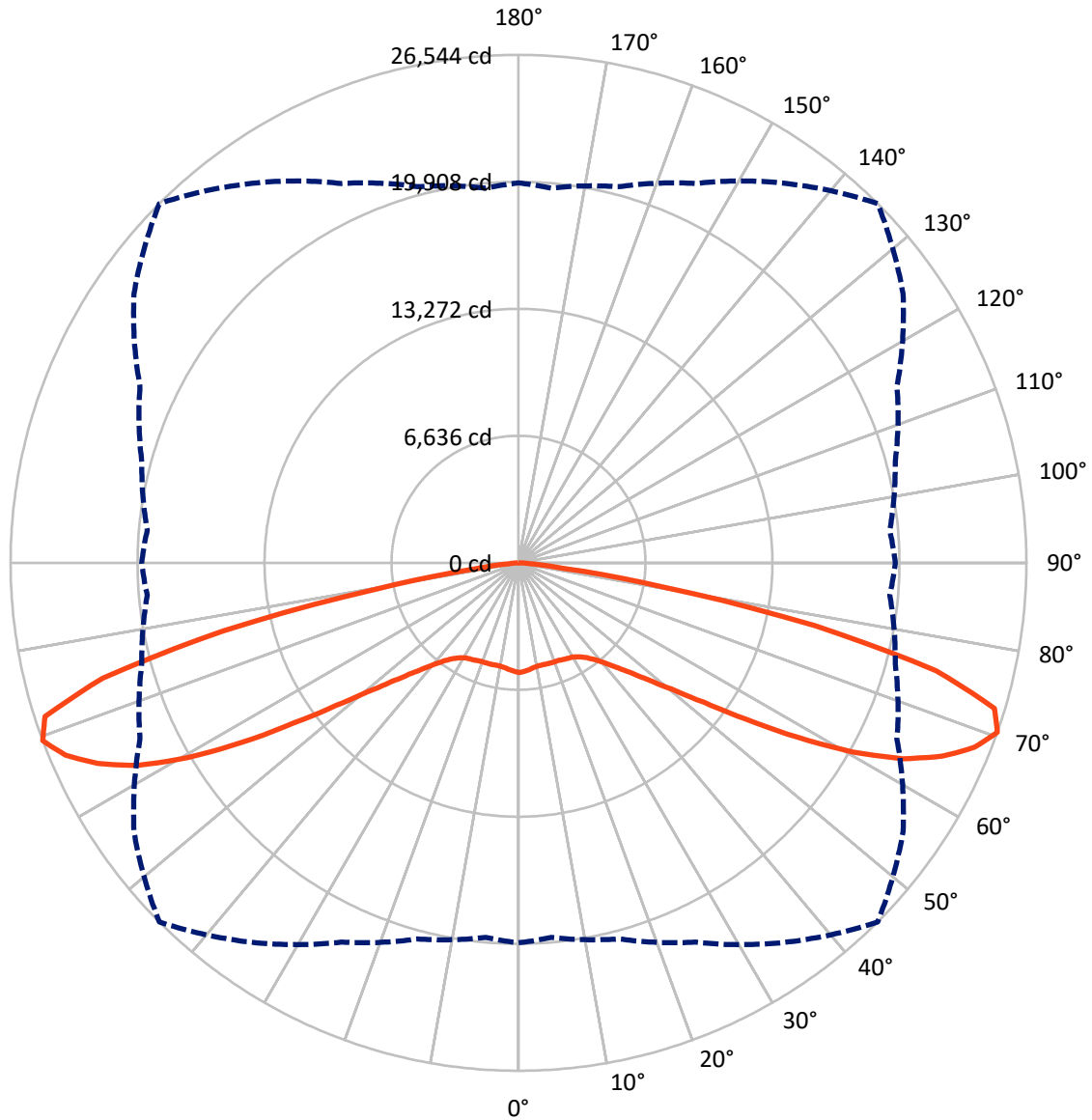
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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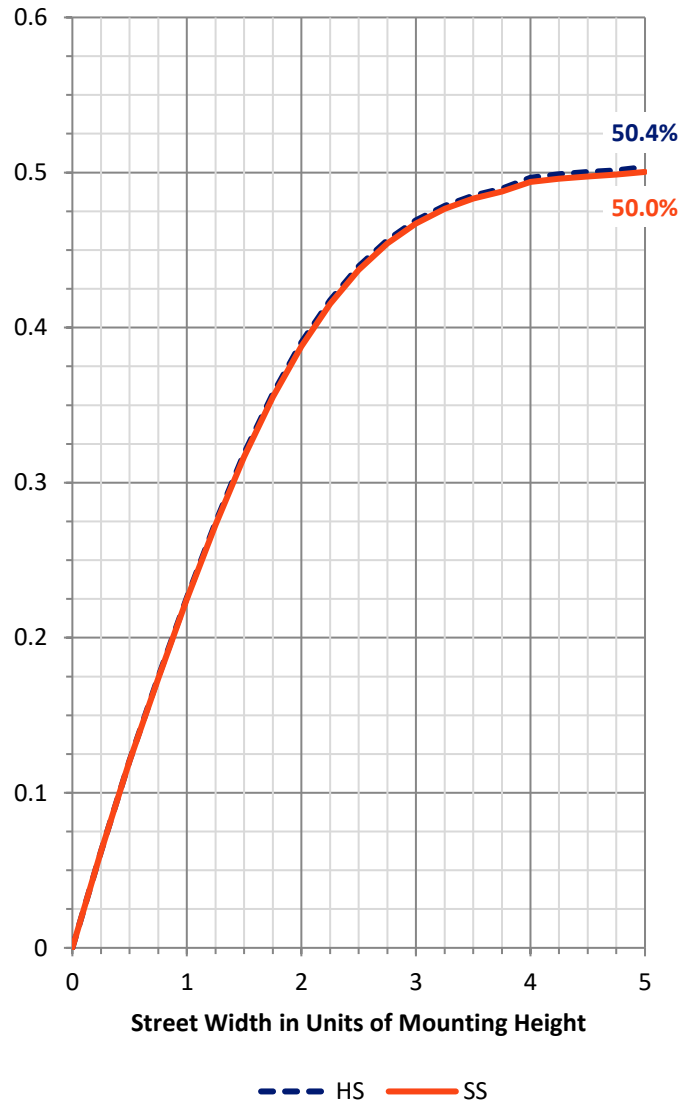
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31427.0	0.0	31427.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31427.0	0.0	31427.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	62854.0	0.0	62854.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.4	0.8
10°-20°	1566.1	2.5
20°-30°	2606.2	4.1
30°-40°	3941.3	6.3
40°-50°	6549.5	10.4
50°-60°	12358.7	19.7
60°-70°	20868.1	33.2
70°-80°	13712.5	21.8
80°-90°	718.4	1.1
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°	62854.0	100.0
0°-180°	62854.0	100.0

Coefficient of Utilization

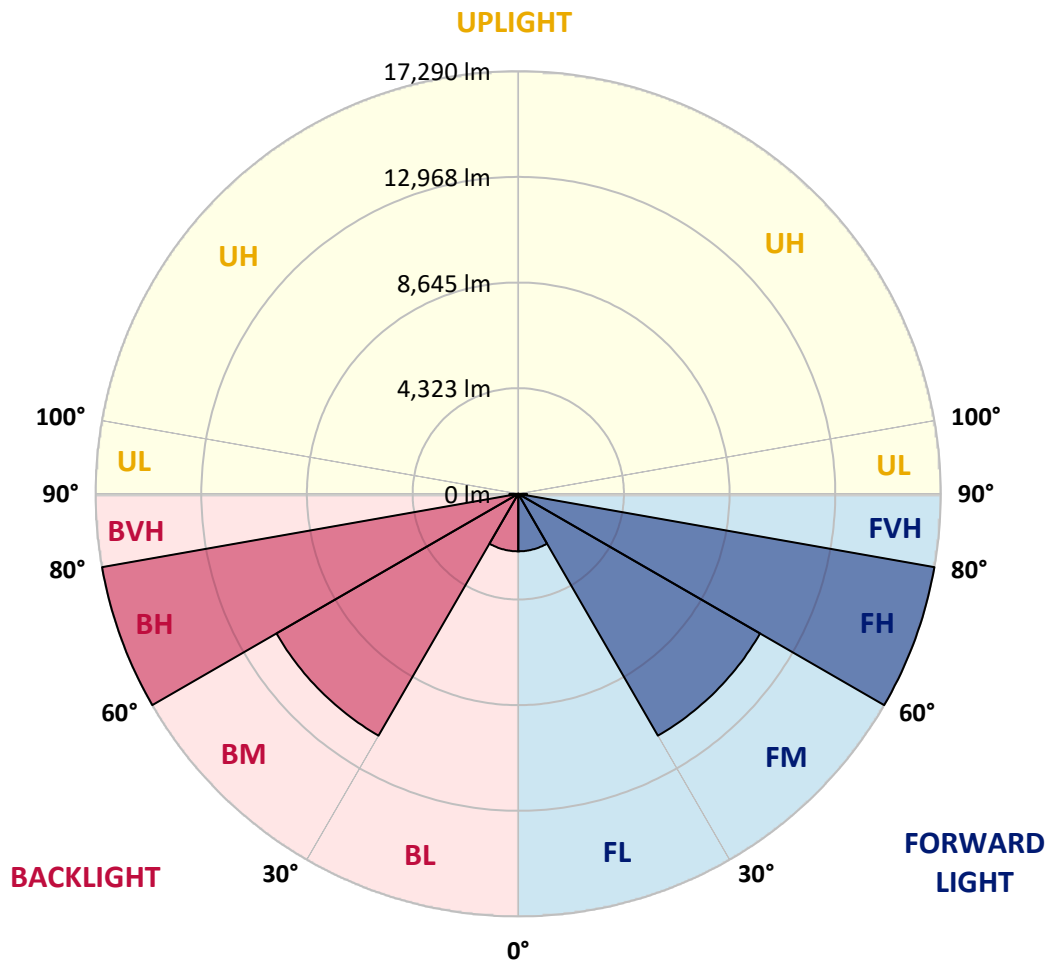


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2352.8	3.7			
FM (30°-60°)	11424.7	18.2			
FH (60°-80°)	17290.3	27.5			G5
FVH (80°-90°)	359.2	0.6			G3/500
BL (0°-30°)	2352.8	3.7	B3/2500		
BM (30°-60°)	11424.7	18.2	B5		
BH (60°-80°)	17290.3	27.5	B5		G5
BVH (80°-90°)	359.2	0.6			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5733.6	5733.6	5733.6	5733.6	5733.6	5733.6	5733.6	5733.6	5733.6	5733.6
2.5°	5697.6	5713.9	5707.4	5694.3	5694.3	5684.5	5694.3	5700.9	5710.7	5717.2
5°	5622.5	5635.5	5632.3	5622.5	5625.7	5615.9	5622.5	5632.3	5638.8	5642.1
7.5°	5557.1	5570.2	5563.7	5547.3	5547.3	5537.5	5540.8	5550.6	5560.4	5563.7
10°	5540.8	5553.9	5534.3	5508.1	5498.3	5485.3	5488.5	5498.3	5517.9	5527.7
12.5°	5547.3	5557.1	5537.5	5498.3	5488.5	5475.5	5475.5	5485.3	5511.4	5524.5
15°	5566.9	5576.7	5547.3	5504.9	5495.1	5485.3	5482.0	5495.1	5524.5	5547.3
17.5°	5602.9	5612.7	5566.9	5508.1	5495.1	5498.3	5495.1	5504.9	5550.6	5593.1
20°	5635.5	5642.1	5580.0	5508.1	5495.1	5498.3	5495.1	5514.7	5573.5	5632.3
22.5°	5645.3	5651.9	5593.1	5531.0	5521.2	5524.5	5521.2	5540.8	5596.3	5655.1
25°	5648.6	5658.4	5612.7	5563.7	5580.0	5586.5	5580.0	5583.3	5625.7	5678.0
27.5°	5697.6	5710.7	5668.2	5625.7	5635.5	5632.3	5642.1	5651.9	5684.5	5736.8
30°	5798.9	5808.7	5772.8	5730.3	5723.7	5700.9	5730.3	5763.0	5798.9	5844.6
32.5°	5965.5	5985.1	5939.4	5893.6	5864.2	5851.2	5874.0	5929.6	5978.6	6027.6
35°	6243.2	6256.3	6213.8	6128.9	6076.6	6076.6	6096.2	6168.1	6246.5	6308.5
37.5°	6635.2	6651.6	6576.4	6475.2	6396.7	6396.7	6422.9	6498.0	6615.6	6703.8
40°	7112.2	7135.1	7040.3	6935.8	6860.7	6847.6	6880.3	6965.2	7076.3	7187.4
42.5°	7687.2	7713.3	7589.2	7497.7	7438.9	7438.9	7455.2	7533.7	7634.9	7772.1
45°	8422.3	8468.0	8298.1	8206.7	8151.1	8164.2	8174.0	8242.6	8334.1	8490.9
47.5°	9297.8	9343.6	9163.9	9069.1	9059.3	9121.4	9082.2	9131.2	9180.2	9359.9
50°	10291.0	10369.4	10245.2	10238.7	10258.3	10372.7	10281.2	10307.3	10251.8	10366.1
52.5°	11506.3	11620.6	11597.8	11637.0	11855.9	12091.1	11882.0	11790.5	11581.4	11617.4
55°	12979.7	13152.9	13185.5	13420.8	13917.3	14397.6	13953.3	13584.1	13139.8	13058.1
57.5°	14655.7	14792.9	14949.7	15429.9	16357.8	17210.5	16357.8	15541.0	14841.9	14675.3
60°	16459.0	16628.9	16779.2	17488.1	18866.8	20065.8	18840.7	17543.7	16619.1	16393.7
62.5°	18396.4	18615.3	18719.8	19507.1	21114.5	22545.4	21137.4	19565.9	18540.1	18298.4
65°	20255.3	20435.0	20552.6	21392.2	22927.7	24361.9	23032.2	21483.7	20428.4	20111.5
67.5°	21121.0	21219.0	21506.5	22457.2	24077.6	25714.4	24352.1	22558.5	21379.1	20823.7
70°	19853.4	19654.2	20346.8	21869.2	24214.9	26544.2	24528.5	21823.4	20379.4	19477.7
72.5°	15341.7	14998.7	16201.0	18804.7	22646.7	26015.0	22803.5	18951.8	16949.1	15119.6
75°	8347.1	7958.4	9618.0	12911.1	18059.9	22548.7	18474.8	13280.3	10709.2	8285.1
77.5°	2355.5	2208.5	3547.9	6246.5	10862.7	15831.8	11280.9	6383.7	4207.9	2496.0
80°	722.0	699.1	947.4	1881.8	4613.0	7582.7	4433.3	1904.6	1205.5	761.2
82.5°	428.0	392.0	470.4	686.1	1176.1	2381.6	1143.4	715.5	575.0	385.5
85°	245.0	228.7	277.7	333.2	395.3	506.4	330.0	339.8	307.1	205.8
87.5°	101.3	91.5	107.8	104.5	91.5	117.6	88.2	104.5	124.1	81.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5733.6
5713.9
5642.1
5563.7
5527.7
5527.7
5550.6
5593.1
5635.5
5655.1
5674.7
5723.7
5834.8
6008.0
6285.7
6671.2
7151.4
7762.3
8484.3
9307.6
10297.5
11496.5
12930.7
14557.7
16197.7
18102.3
19954.7
20830.3
19693.4
15573.7
8824.1
2773.7
803.7
418.2
215.6
75.1
0.0

OF REPORT)