

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: P850381

Luminaire Tested: **GLAN-SB7D-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850381
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-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65099 lumens
Efficiency: N/A
Efficacy: 126.9 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

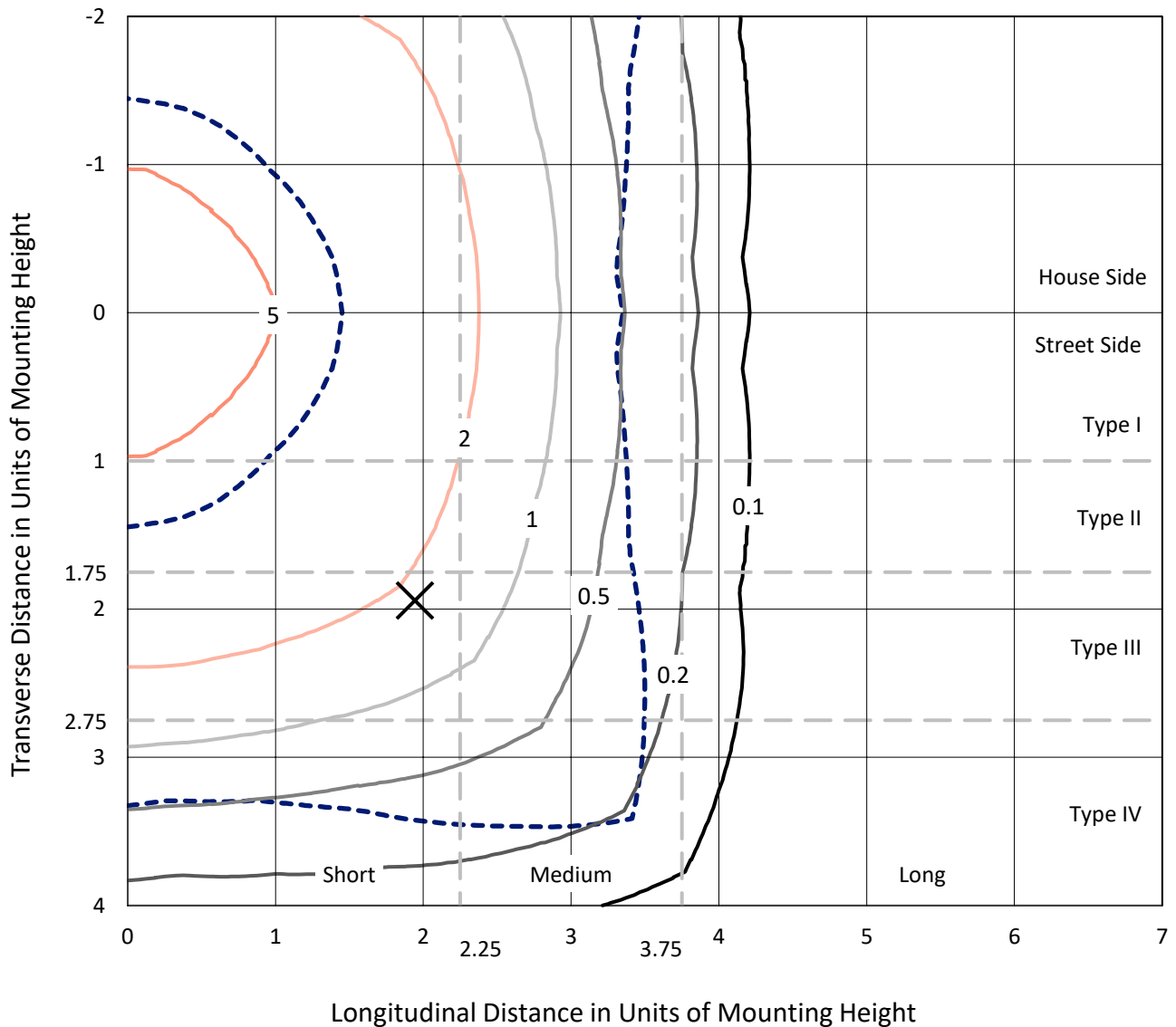
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

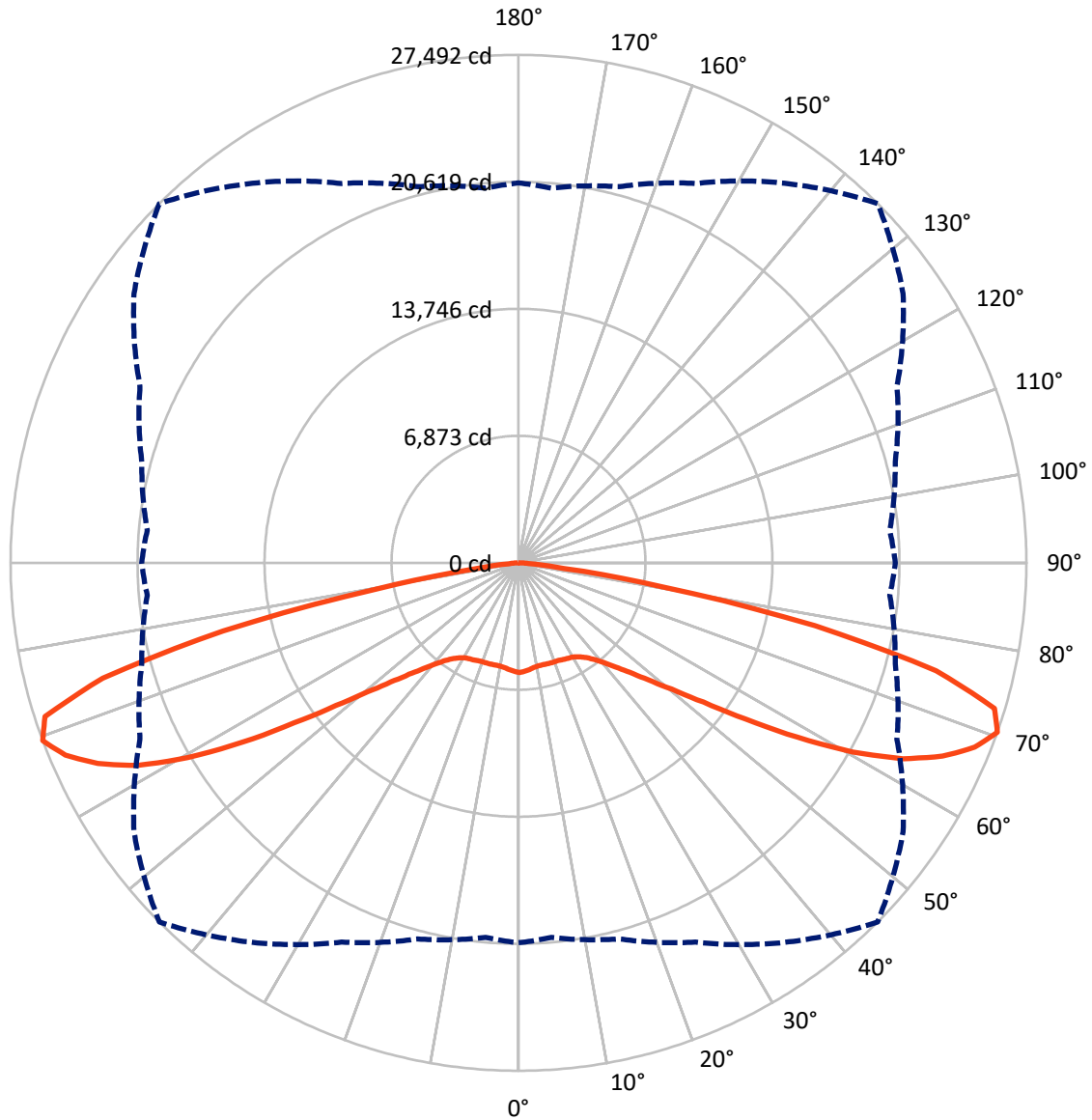
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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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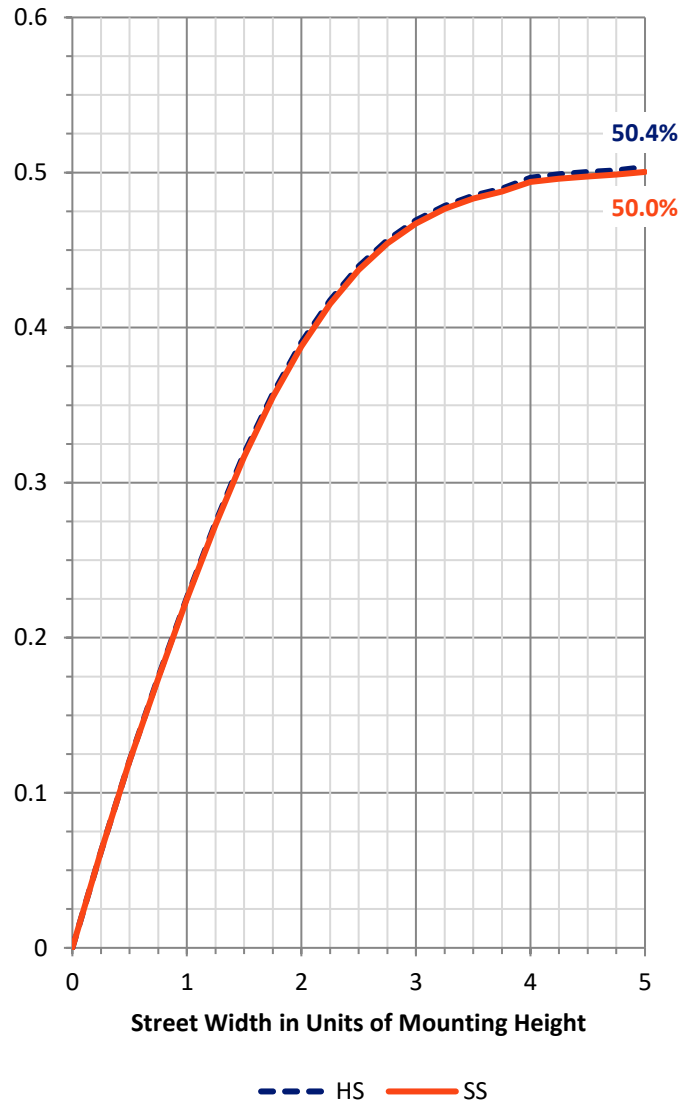
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32549.5	0.0	32549.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32549.5	0.0	32549.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	65099.0	0.0	65099.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.4	0.8
10°-20°	1622.0	2.5
20°-30°	2699.2	4.1
30°-40°	4082.1	6.3
40°-50°	6783.4	10.4
50°-60°	12800.1	19.7
60°-70°	21613.5	33.2
70°-80°	14202.3	21.8
80°-90°	744.1	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°	65099.0	100.0
0°-180°	65099.0	100.0

Coefficient of Utilization

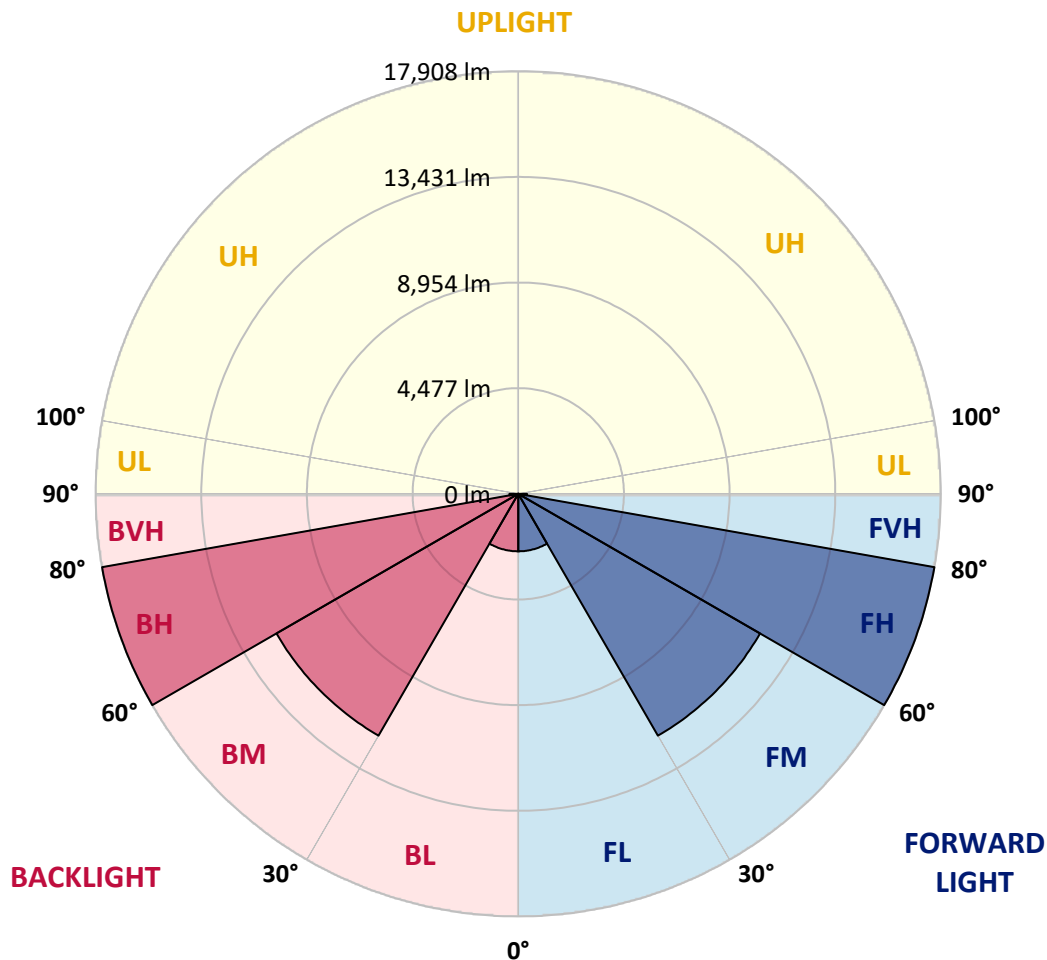


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2436.8	3.7			
FM (30°-60°)	11832.8	18.2			
FH (60°-80°)	17907.9	27.5			G5
FVH (80°-90°)	372.0	0.6			G3/500
BL (0°-30°)	2436.8	3.7	B3/2500		
BM (30°-60°)	11832.8	18.2	B5		
BH (60°-80°)	17907.9	27.5	B5		G5
BVH (80°-90°)	372.0	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°	5938.3	5938.3	5938.3	5938.3	5938.3	5938.3	5938.3	5938.3	5938.3	5938.3
2.5°	5901.1	5918.0	5911.3	5897.7	5897.7	5887.6	5897.7	5904.5	5914.7	5921.4
5°	5823.3	5836.8	5833.4	5823.3	5826.7	5816.5	5823.3	5833.4	5840.2	5843.6
7.5°	5755.6	5769.2	5762.4	5745.5	5745.5	5735.3	5738.7	5748.9	5759.0	5762.4
10°	5738.7	5752.2	5731.9	5704.9	5694.7	5681.2	5684.6	5694.7	5715.0	5725.2
12.5°	5745.5	5755.6	5735.3	5694.7	5684.6	5671.0	5671.0	5681.2	5708.2	5721.8
15°	5765.8	5775.9	5745.5	5701.5	5691.3	5681.2	5677.8	5691.3	5721.8	5745.5
17.5°	5803.0	5813.1	5765.8	5704.9	5691.3	5694.7	5691.3	5701.5	5748.9	5792.8
20°	5836.8	5843.6	5779.3	5704.9	5691.3	5694.7	5691.3	5711.6	5772.5	5833.4
22.5°	5847.0	5853.7	5792.8	5728.6	5718.4	5721.8	5718.4	5738.7	5796.2	5857.1
25°	5850.4	5860.5	5813.1	5762.4	5779.3	5786.1	5779.3	5782.7	5826.7	5880.8
27.5°	5901.1	5914.7	5870.7	5826.7	5836.8	5833.4	5843.6	5853.7	5887.6	5941.7
30°	6006.0	6016.2	5978.9	5935.0	5928.2	5904.5	5935.0	5968.8	6006.0	6053.4
32.5°	6178.6	6198.9	6151.5	6104.1	6073.7	6060.2	6083.8	6141.4	6192.1	6242.9
35°	6466.2	6479.7	6435.7	6347.8	6293.6	6293.6	6313.9	6388.4	6469.6	6533.9
37.5°	6872.2	6889.2	6811.3	6706.4	6625.2	6625.2	6652.3	6730.1	6851.9	6943.3
40°	7366.2	7389.9	7291.8	7183.5	7105.7	7092.2	7126.0	7214.0	7329.0	7444.1
42.5°	7961.8	7988.8	7860.3	7765.5	7704.6	7704.6	7721.5	7802.7	7907.6	8049.7
45°	8723.1	8770.5	8594.5	8499.8	8442.3	8455.8	8465.9	8537.0	8631.7	8794.2
47.5°	9629.9	9677.3	9491.2	9393.1	9382.9	9447.2	9406.6	9457.4	9508.1	9694.2
50°	10658.6	10739.8	10611.2	10604.4	10624.7	10743.1	10648.4	10675.5	10618.0	10736.4
52.5°	11917.3	12035.7	12012.0	12052.6	12279.3	12523.0	12306.4	12211.7	11995.1	12032.3
55°	13443.3	13622.7	13656.5	13900.1	14414.4	14911.8	14451.7	14069.3	13609.1	13524.5
57.5°	15179.1	15321.3	15483.7	15981.1	16942.0	17825.2	16942.0	16096.1	15372.0	15199.4
60°	17046.9	17222.9	17378.5	18112.8	19540.7	20782.5	19513.6	18170.3	17212.7	16979.3
62.5°	19053.4	19280.1	19388.4	20203.9	21868.7	23350.7	21892.3	20264.8	19202.3	18951.9
65°	20978.7	21164.9	21286.7	22156.3	23746.6	25232.0	23854.9	22251.0	21158.1	20829.9
67.5°	21875.4	21976.9	22274.7	23259.3	24937.6	26632.9	25221.9	23364.2	22142.7	21567.5
70°	20562.6	20356.2	21073.5	22650.3	25079.8	27492.3	25404.6	22602.9	21107.3	20173.4
72.5°	15889.7	15534.4	16779.6	19476.4	23455.6	26944.2	23618.0	19628.7	17554.5	15659.6
75°	8645.3	8242.6	9961.5	13372.3	18704.9	23354.1	19134.6	13754.6	11091.7	8581.0
77.5°	2439.6	2287.4	3674.7	6469.6	11250.7	16397.3	11683.8	6611.7	4358.2	2585.1
80°	747.8	724.1	981.3	1949.0	4777.7	7853.5	4591.6	1972.7	1248.6	788.4
82.5°	443.3	406.0	487.2	710.6	1218.1	2466.7	1184.3	741.0	595.5	399.3
85°	253.8	236.9	287.6	345.1	409.4	524.5	341.8	351.9	318.1	213.2
87.5°	104.9	94.7	111.7	108.3	94.7	121.8	91.4	108.3	128.6	84.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5938.3
5918.0
5843.6
5762.4
5725.2
5725.2
5748.9
5792.8
5836.8
5857.1
5877.4
5928.2
6043.2
6222.6
6510.2
6909.5
7406.9
8039.6
8787.4
9640.1
10665.3
11907.1
13392.6
15077.6
16776.2
18748.9
20667.5
21574.3
20396.8
16130.0
9139.3
2872.7
832.4
433.1
223.3
77.8
0.0

OF REPORT)