

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: P850371

Luminaire Tested: **GLAN-SB7D-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850371
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60609 lumens
Efficiency: N/A
Efficacy: 118.2 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

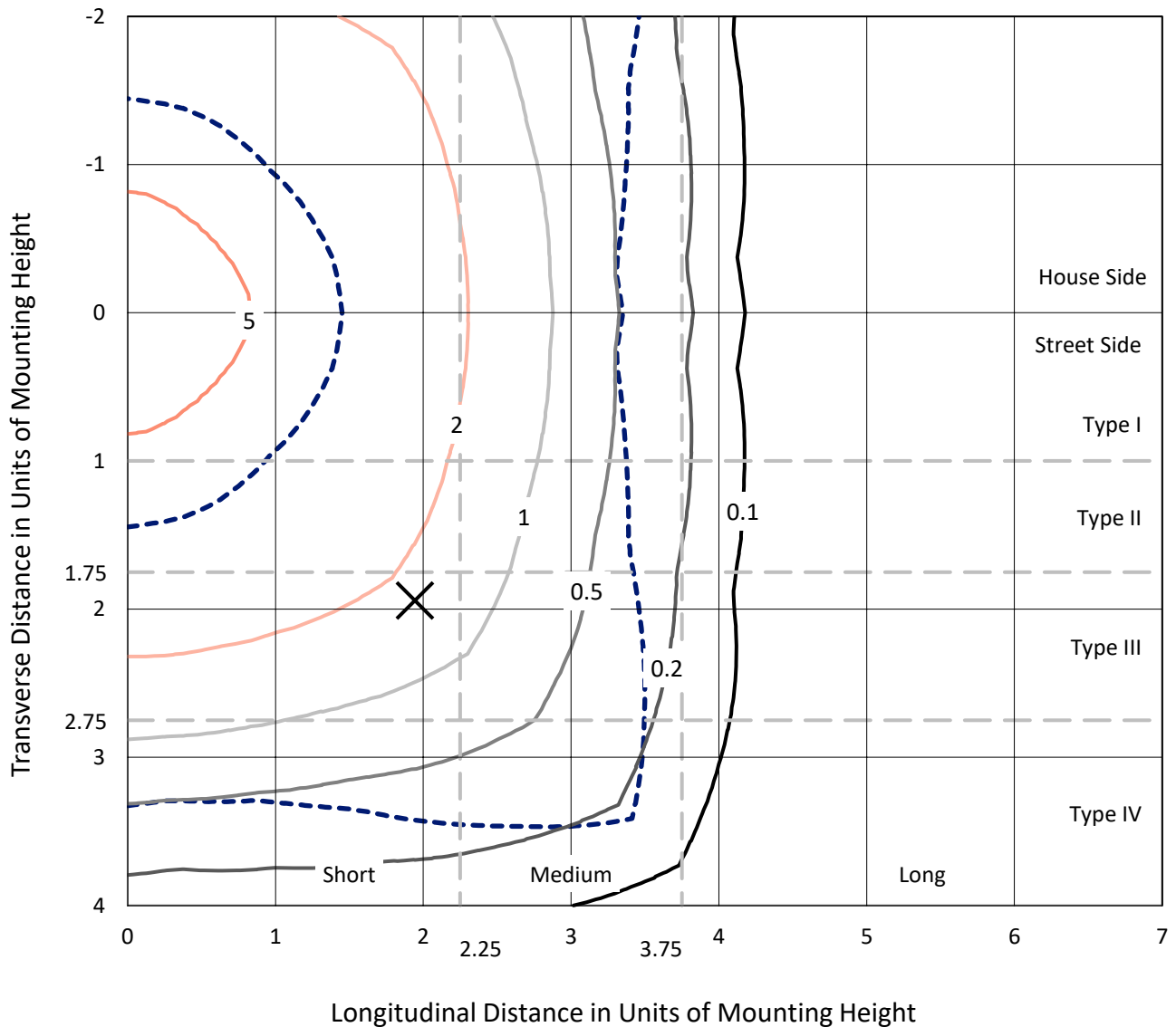
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

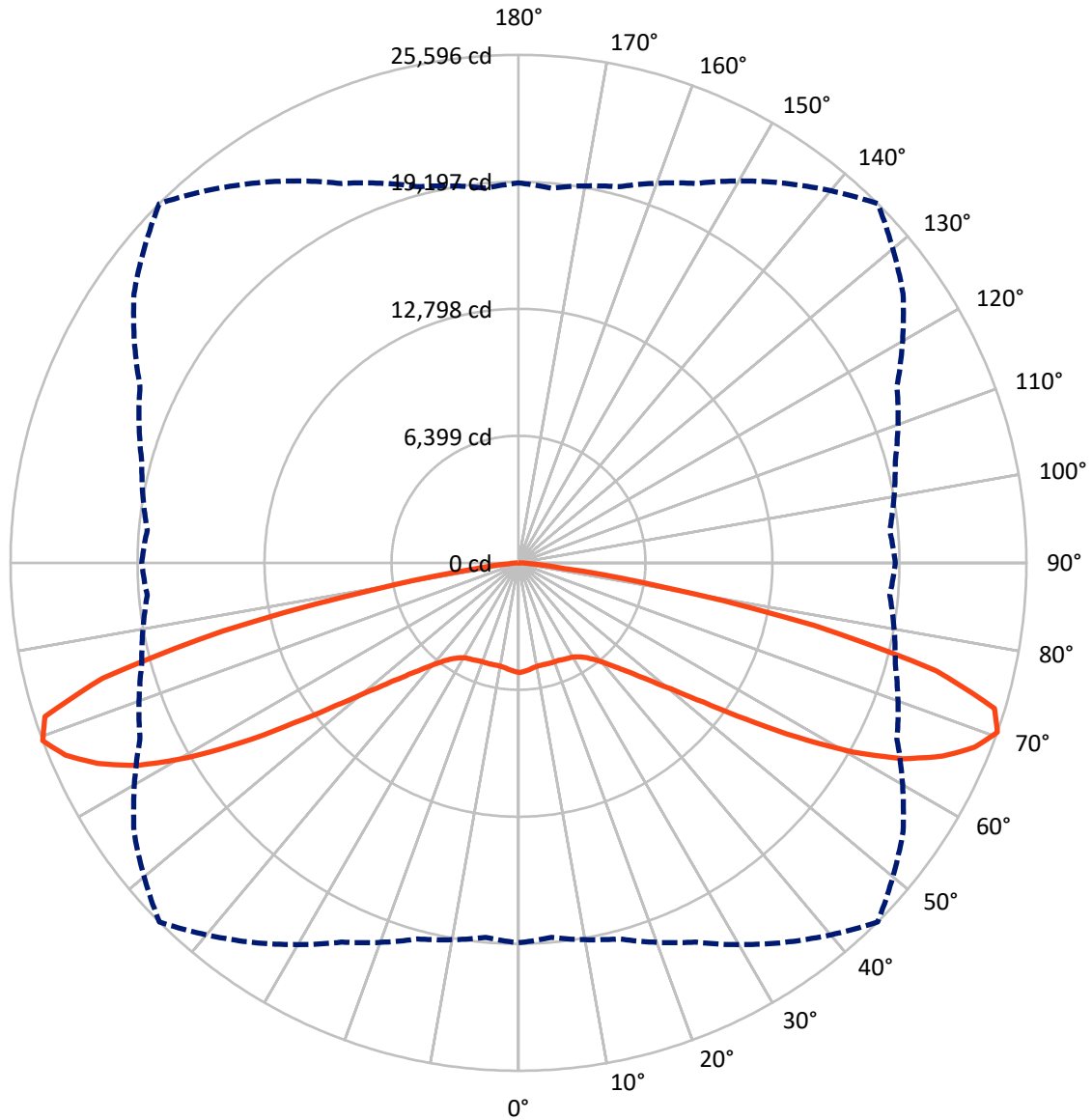
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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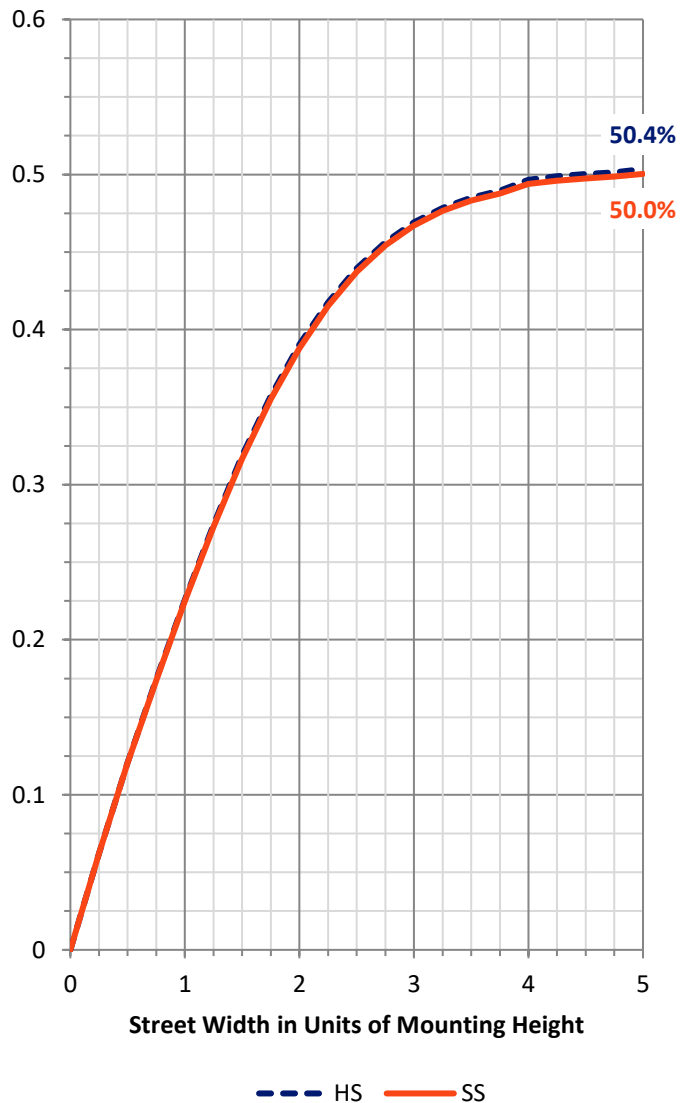
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30304.5	0.0	30304.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30304.5	0.0	30304.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	60609.0	0.0	60609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.3	0.8
10°-20°	1510.1	2.5
20°-30°	2513.1	4.1
30°-40°	3800.5	6.3
40°-50°	6315.6	10.4
50°-60°	11917.2	19.7
60°-70°	20122.7	33.2
70°-80°	13222.7	21.8
80°-90°	692.7	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°	60609.0	100.0
0°-180°	60609.0	100.0

Coefficient of Utilization



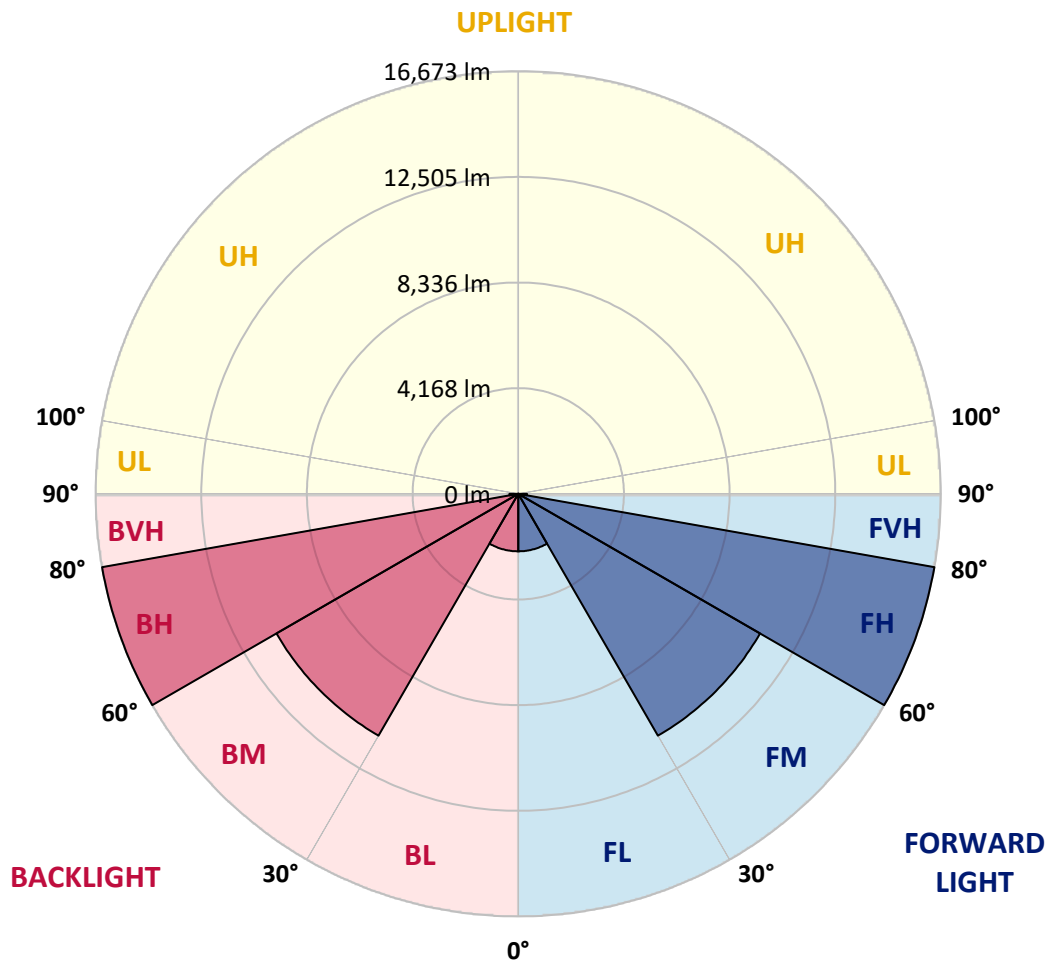
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2268.7	3.7			
FM (30°-60°)	11016.7	18.2			
FH (60°-80°)	16672.7	27.5			G5
FVH (80°-90°)	346.4	0.6			G3/500
BL (0°-30°)	2268.7	3.7	B3/2500		
BM (30°-60°)	11016.7	18.2	B5		
BH (60°-80°)	16672.7	27.5	B5		G5
BVH (80°-90°)	346.4	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°	5528.8	5528.8	5528.8	5528.8	5528.8	5528.8	5528.8	5528.8	5528.8	5528.8
2.5°	5494.1	5509.9	5503.6	5491.0	5491.0	5481.5	5491.0	5497.3	5506.7	5513.0
5°	5421.7	5434.3	5431.1	5421.7	5424.8	5415.4	5421.7	5431.1	5437.4	5440.6
7.5°	5358.6	5371.2	5364.9	5349.2	5349.2	5339.7	5342.9	5352.3	5361.8	5364.9
10°	5342.9	5355.5	5336.6	5311.4	5301.9	5289.3	5292.5	5301.9	5320.8	5330.3
12.5°	5349.2	5358.6	5339.7	5301.9	5292.5	5279.9	5279.9	5289.3	5314.5	5327.1
15°	5368.1	5377.5	5349.2	5308.2	5298.8	5289.3	5286.2	5298.8	5327.1	5349.2
17.5°	5402.7	5412.2	5368.1	5311.4	5298.8	5301.9	5298.8	5308.2	5352.3	5393.3
20°	5434.3	5440.6	5380.7	5311.4	5298.8	5301.9	5298.8	5317.7	5374.4	5431.1
22.5°	5443.7	5450.0	5393.3	5333.4	5324.0	5327.1	5324.0	5342.9	5396.4	5453.2
25°	5446.9	5456.3	5412.2	5364.9	5380.7	5387.0	5380.7	5383.8	5424.8	5475.2
27.5°	5494.1	5506.7	5465.8	5424.8	5434.3	5431.1	5440.6	5450.0	5481.5	5531.9
30°	5591.8	5601.2	5566.6	5525.6	5519.3	5497.3	5525.6	5557.1	5591.8	5635.9
32.5°	5752.4	5771.3	5727.2	5683.1	5654.8	5642.2	5664.2	5717.8	5765.0	5812.3
35°	6020.2	6032.8	5991.9	5909.9	5859.5	5859.5	5878.4	5947.7	6023.4	6083.2
37.5°	6398.2	6414.0	6341.5	6243.9	6168.3	6168.3	6193.5	6265.9	6379.3	6464.4
40°	6858.2	6880.2	6788.9	6688.1	6615.6	6603.0	6634.5	6716.4	6823.5	6930.6
42.5°	7412.6	7437.8	7318.1	7229.9	7173.2	7173.2	7189.0	7264.6	7362.2	7494.5
45°	8121.5	8165.6	8001.7	7913.5	7860.0	7872.6	7882.0	7948.2	8036.4	8187.6
47.5°	8965.7	9009.8	8836.6	8745.2	8735.8	8795.6	8757.8	8805.1	8852.3	9025.6
50°	9923.4	9999.0	9879.3	9873.0	9891.9	10002.2	9914.0	9939.2	9885.6	9995.9
52.5°	11095.3	11205.6	11183.5	11221.3	11432.4	11659.2	11457.6	11369.4	11167.8	11202.4
55°	12516.1	12683.1	12714.6	12941.4	13420.2	13883.3	13454.9	13098.9	12670.5	12591.7
57.5°	14132.2	14264.5	14415.7	14878.8	15773.5	16595.7	15773.5	14985.9	14311.8	14151.1
60°	15871.2	16035.0	16179.9	16863.5	18192.9	19349.1	18167.7	16917.1	16025.5	15808.2
62.5°	17739.3	17950.4	18051.2	18810.4	20360.3	21740.2	20382.4	18867.1	17877.9	17644.8
65°	19531.8	19705.1	19818.5	20628.1	22108.7	23491.7	22209.6	20716.3	19698.8	19393.2
67.5°	20366.6	20461.1	20738.4	21655.1	23217.6	24795.9	23482.3	21752.8	20615.5	20080.0
70°	19144.3	18952.2	19620.0	21088.0	23350.0	25596.1	23652.4	21043.9	19651.5	18782.0
72.5°	14793.8	14463.0	15622.3	18133.1	21837.8	25085.8	21989.0	18274.8	16343.7	14579.5
75°	8049.0	7674.1	9274.5	12450.0	17414.8	21743.3	17814.9	12805.9	10326.7	7989.1
77.5°	2271.4	2129.6	3421.2	6023.4	10474.7	15266.3	10878.0	6155.7	4057.6	2406.8
80°	696.2	674.2	913.6	1814.6	4448.2	7311.8	4274.9	1836.6	1162.5	734.0
82.5°	412.7	378.0	453.6	661.6	1134.1	2296.6	1102.6	689.9	554.5	371.7
85°	236.3	220.5	267.8	321.3	381.2	488.3	318.2	327.6	296.1	198.5
87.5°	97.7	88.2	104.0	100.8	88.2	113.4	85.1	100.8	119.7	78.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5528.8
5509.9
5440.6
5364.9
5330.3
5330.3
5352.3
5393.3
5434.3
5453.2
5472.1
5519.3
5626.4
5793.4
6061.2
6432.9
6896.0
7485.1
8181.3
8975.2
9929.7
11085.9
12468.9
14037.7
15619.1
17455.8
19242.0
20086.3
18990.0
15017.4
8508.9
2674.6
775.0
403.2
207.9
72.5
0.0

OF REPORT)