

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: P850991

Luminaire Tested: **GLAN-SB8D-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850991
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-SB8D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 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: 81676 lumens
Efficiency: N/A
Efficacy: 139.6 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

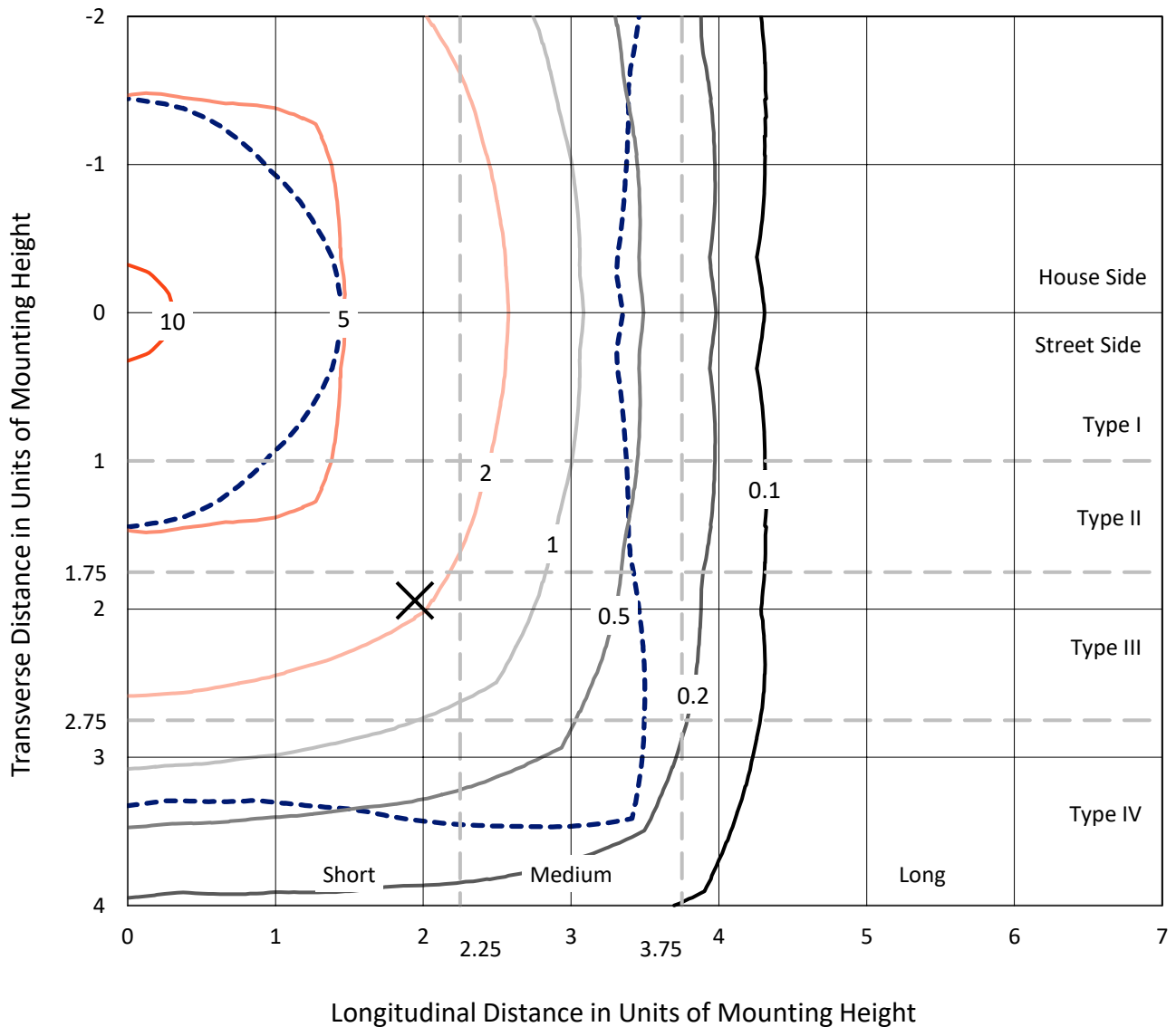
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

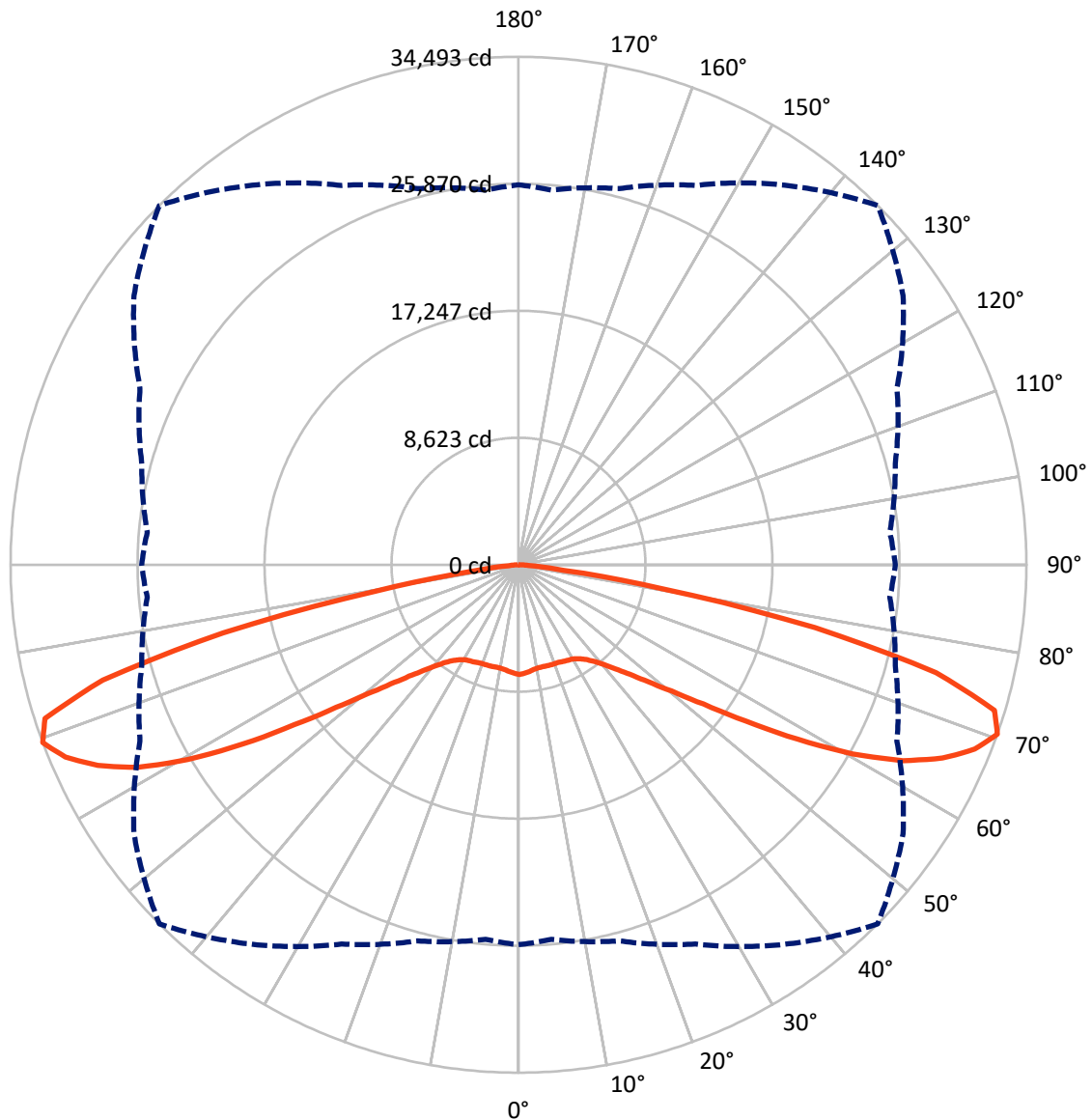
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	40838.0	0.0	40838.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	40838.0	0.0	40838.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	81676.0	0.0	81676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	693.1	0.8
10°-20°	2035.0	2.5
20°-30°	3386.6	4.1
30°-40°	5121.5	6.3
40°-50°	8510.8	10.4
50°-60°	16059.5	19.7
60°-70°	27117.2	33.2
70°-80°	17818.8	21.8
80°-90°	933.5	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°	81676.0	100.0
0°-180°	81676.0	100.0

Coefficient of Utilization



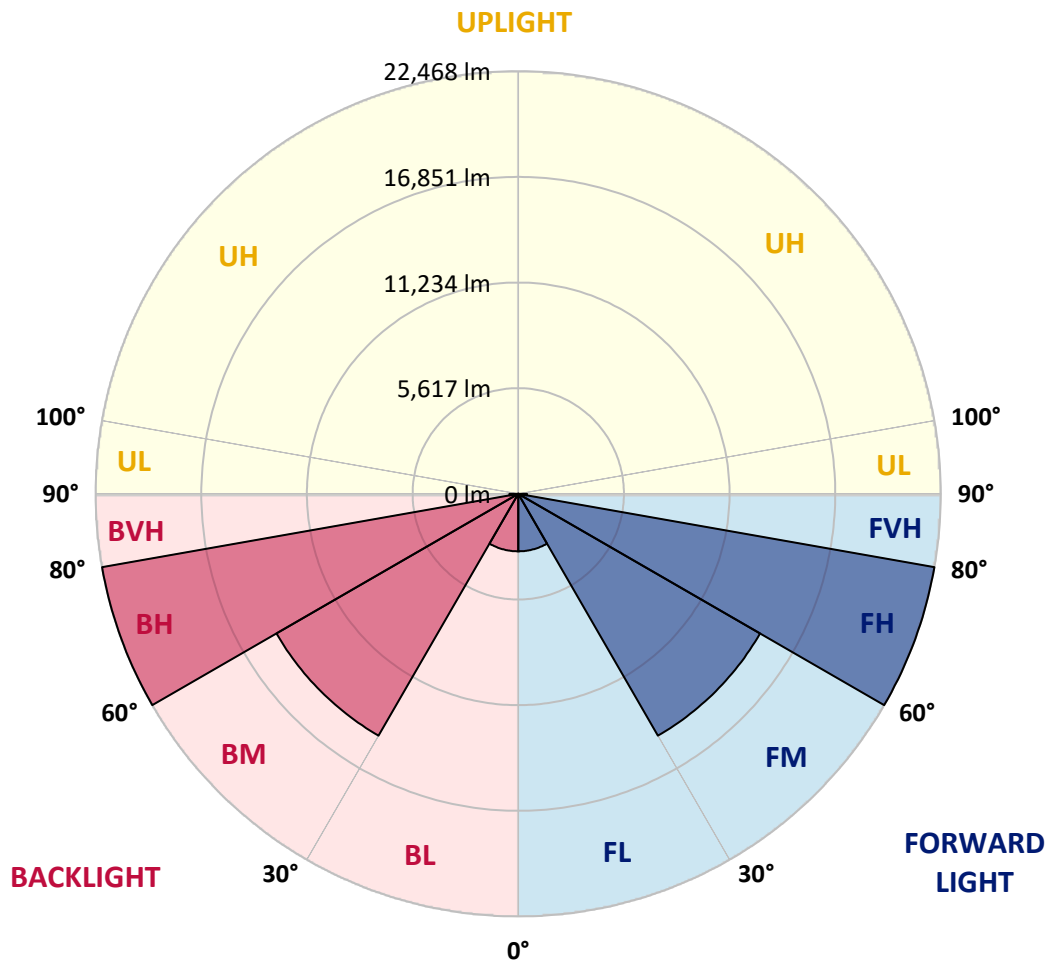
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3057.3	3.7			
FM (30°-60°)	14845.9	18.2			
FH (60°-80°)	22468.0	27.5			G5
FVH (80°-90°)	466.8	0.6			G3/500
BL (0°-30°)	3057.3	3.7	B4/5000		
BM (30°-60°)	14845.9	18.2	B5		
BH (60°-80°)	22468.0	27.5	B5		G5
BVH (80°-90°)	466.8	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°	7450.5	7450.5	7450.5	7450.5	7450.5	7450.5	7450.5	7450.5	7450.5	7450.5
2.5°	7403.8	7425.0	7416.5	7399.6	7399.6	7386.8	7399.6	7408.0	7420.8	7429.3
5°	7306.2	7323.1	7318.9	7306.2	7310.4	7297.7	7306.2	7318.9	7327.4	7331.6
7.5°	7221.2	7238.2	7229.7	7208.5	7208.5	7195.8	7200.0	7212.8	7225.5	7229.7
10°	7200.0	7217.0	7191.5	7157.6	7144.8	7127.9	7132.1	7144.8	7170.3	7183.0
12.5°	7208.5	7221.2	7195.8	7144.8	7132.1	7115.1	7115.1	7127.9	7161.8	7178.8
15°	7234.0	7246.7	7208.5	7153.3	7140.6	7127.9	7123.6	7140.6	7178.8	7208.5
17.5°	7280.7	7293.4	7234.0	7157.6	7140.6	7144.8	7140.6	7153.3	7212.8	7267.9
20°	7323.1	7331.6	7251.0	7157.6	7140.6	7144.8	7140.6	7166.1	7242.5	7318.9
22.5°	7335.9	7344.4	7267.9	7187.3	7174.6	7178.8	7174.6	7200.0	7272.2	7348.6
25°	7340.1	7352.9	7293.4	7229.7	7251.0	7259.5	7251.0	7255.2	7310.4	7378.3
27.5°	7403.8	7420.8	7365.6	7310.4	7323.1	7318.9	7331.6	7344.4	7386.8	7454.7
30°	7535.4	7548.1	7501.4	7446.3	7437.8	7408.0	7446.3	7488.7	7535.4	7594.8
32.5°	7751.9	7777.4	7717.9	7658.5	7620.3	7603.3	7633.0	7705.2	7768.9	7832.6
35°	8112.8	8129.7	8074.6	7964.2	7896.3	7896.3	7921.7	8015.1	8117.0	8197.7
37.5°	8622.2	8643.4	8545.8	8414.2	8312.3	8312.3	8346.3	8443.9	8596.7	8711.3
40°	9242.0	9271.7	9148.6	9012.8	8915.1	8898.1	8940.6	9051.0	9195.3	9339.7
42.5°	9989.2	10023.1	9861.8	9743.0	9666.5	9666.5	9687.8	9789.7	9921.3	10099.6
45°	10944.4	11003.8	10783.1	10664.2	10592.0	10609.0	10621.7	10710.9	10829.8	11033.5
47.5°	12082.1	12141.5	11908.1	11784.9	11772.2	11852.9	11801.9	11865.6	11929.3	12162.8
50°	13372.7	13474.6	13313.3	13304.8	13330.2	13478.8	13359.9	13393.9	13321.7	13470.3
52.5°	14951.9	15100.5	15070.8	15121.7	15406.2	15711.8	15440.1	15321.3	15049.6	15096.3
55°	16866.6	17091.6	17134.0	17439.7	18085.0	18709.0	18131.7	17651.9	17074.6	16968.5
57.5°	19044.4	19222.7	19426.5	20050.5	21256.2	22364.2	21256.2	20194.9	19286.4	19069.9
60°	21387.8	21608.6	21803.8	22725.1	24516.6	26074.6	24482.6	22797.2	21595.8	21302.9
62.5°	23905.3	24189.7	24325.5	25348.7	27437.4	29296.8	27467.1	25425.1	24092.1	23777.9
65°	26320.8	26554.3	26707.2	27798.2	29793.5	31657.2	29929.3	27917.1	26545.8	26134.0
67.5°	27445.8	27573.2	27946.8	29182.2	31287.8	33414.7	31644.4	29313.8	27781.2	27059.5
70°	25798.7	25539.7	26439.7	28418.0	31466.1	34493.0	31873.7	28358.6	26482.2	25310.5
72.5°	19935.9	19490.2	21052.4	24435.9	29428.4	33805.3	29632.2	24627.0	22024.6	19647.2
75°	10846.7	10341.5	12498.2	16777.4	23468.0	29301.0	24007.2	17257.1	13916.1	10766.1
77.5°	3060.9	2869.8	4610.4	8117.0	14115.6	20572.7	14659.0	8295.3	5467.9	3243.4
80°	938.2	908.5	1231.1	2445.3	5994.4	9853.3	5760.9	2475.0	1566.5	989.2
82.5°	556.1	509.4	611.3	891.5	1528.3	3094.8	1485.9	929.7	747.2	500.9
85°	318.4	297.2	360.9	433.0	513.7	658.0	428.8	441.5	399.1	267.5
87.5°	131.6	118.9	140.1	135.8	118.9	152.8	114.6	135.8	161.3	106.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7450.5
7425.0
7331.6
7229.7
7183.0
7183.0
7212.8
7267.9
7323.1
7348.6
7374.1
7437.8
7582.1
7807.1
8168.0
8668.9
9293.0
10086.8
11025.0
12094.9
13381.2
14939.2
16802.9
18917.0
21048.2
23523.2
25930.3
27068.0
25590.6
20237.3
11466.5
3604.3
1044.3
543.4
280.2
97.6
0.0

OF REPORT)