

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: P944060

Luminaire Tested: **GLAN-SB8D-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 74788 lumens
Efficiency: N/A
Efficacy: 127.9 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

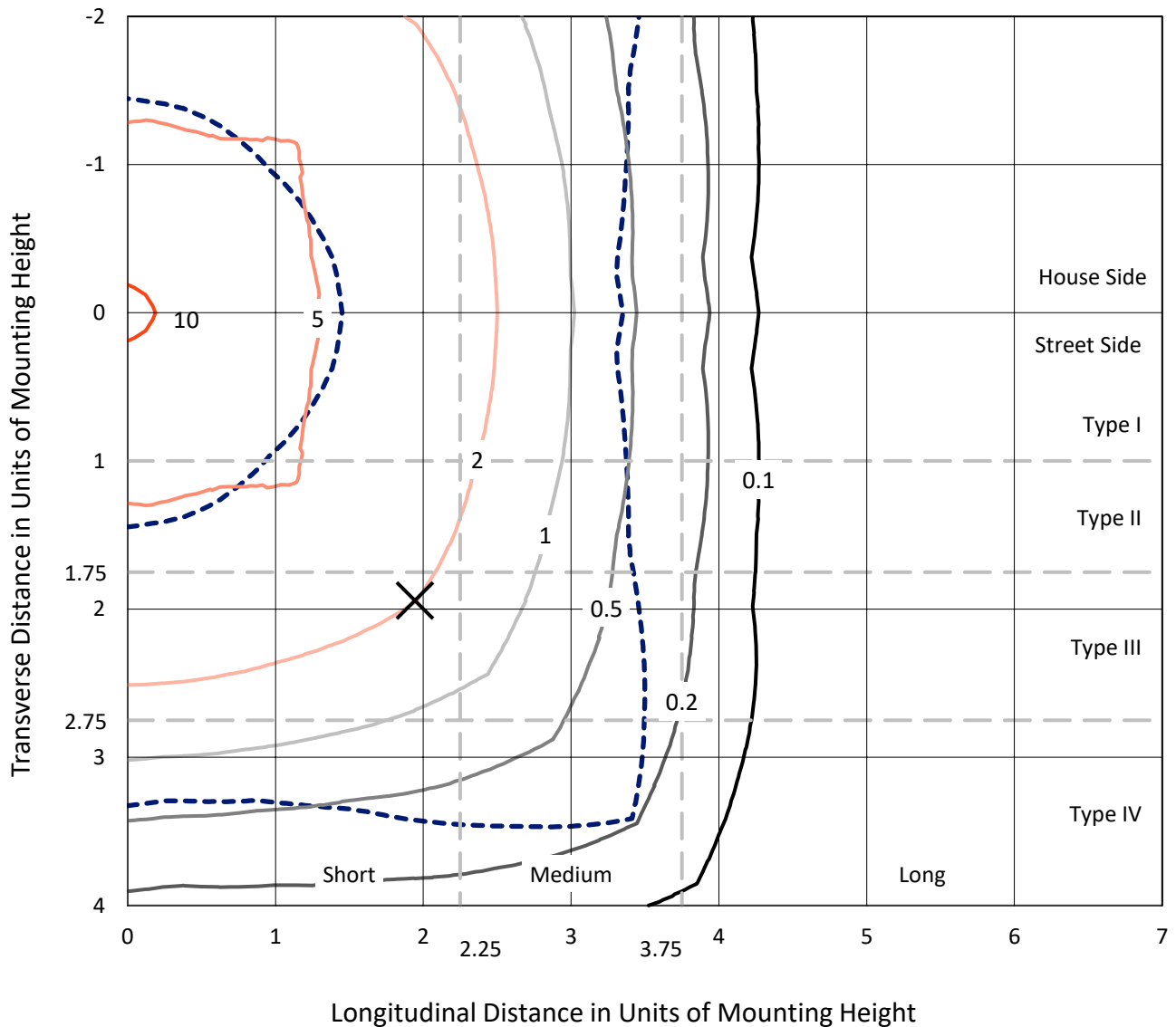
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

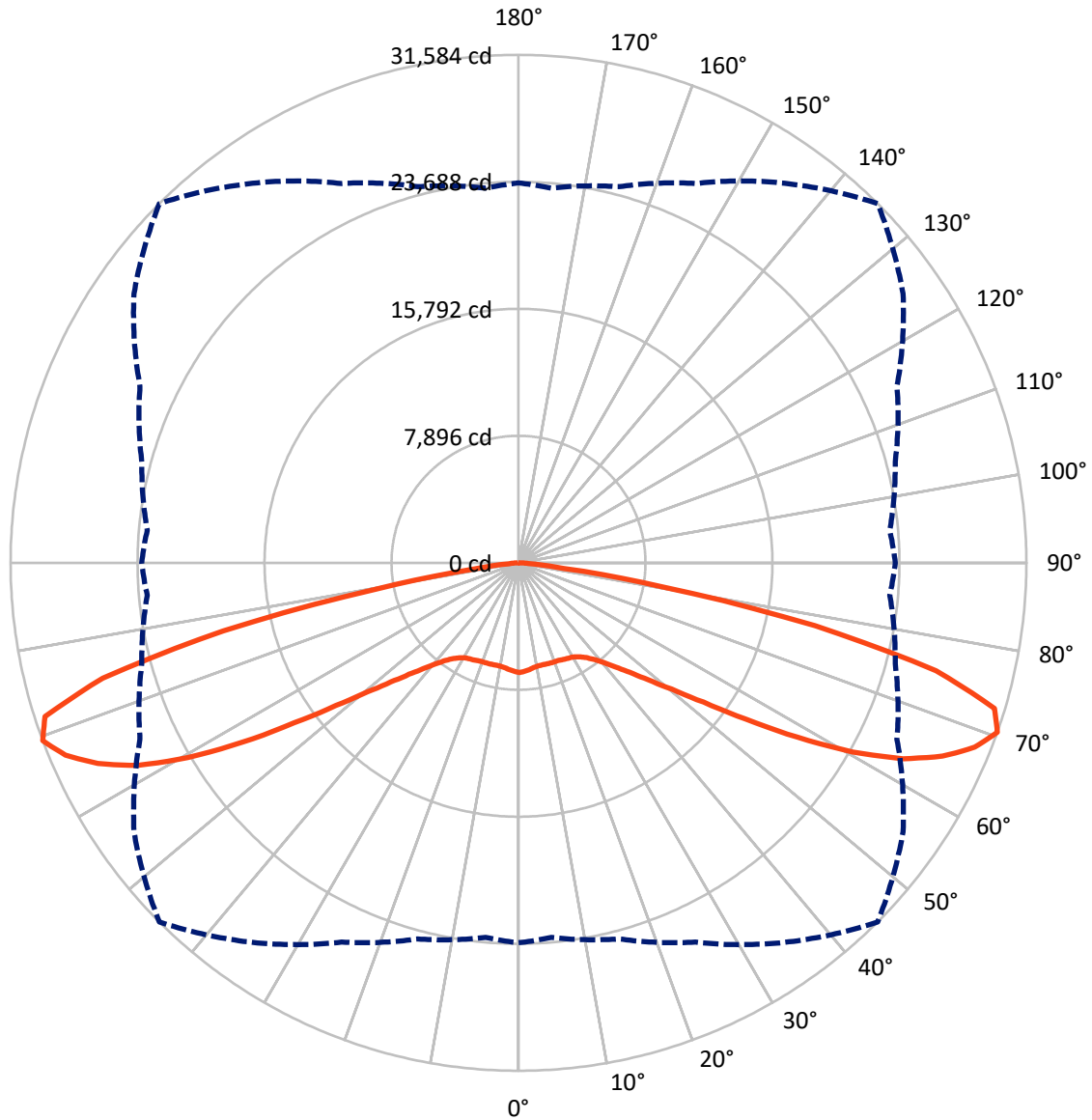
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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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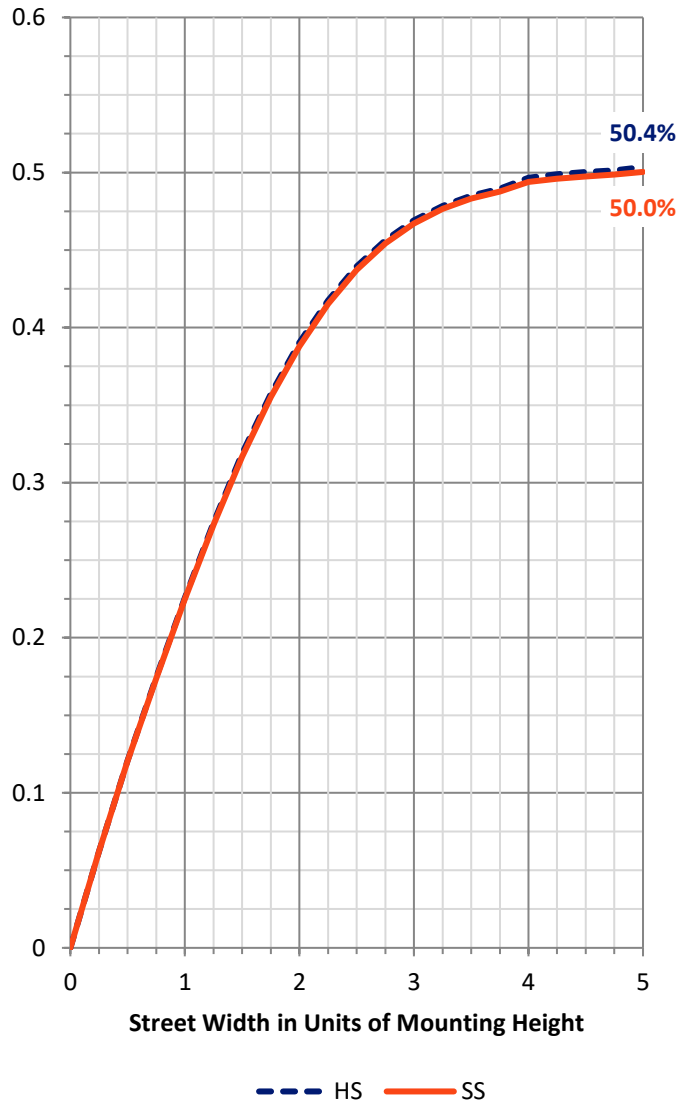
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37394.0	0.0	37394.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37394.0	0.0	37394.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	74788.0	0.0	74788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.6	0.8
10°-20°	1863.4	2.5
20°-30°	3101.0	4.1
30°-40°	4689.6	6.3
40°-50°	7793.0	10.4
50°-60°	14705.2	19.7
60°-70°	24830.3	33.2
70°-80°	16316.1	21.8
80°-90°	854.8	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°	74788.0	100.0
0°-180°	74788.0	100.0

Coefficient of Utilization

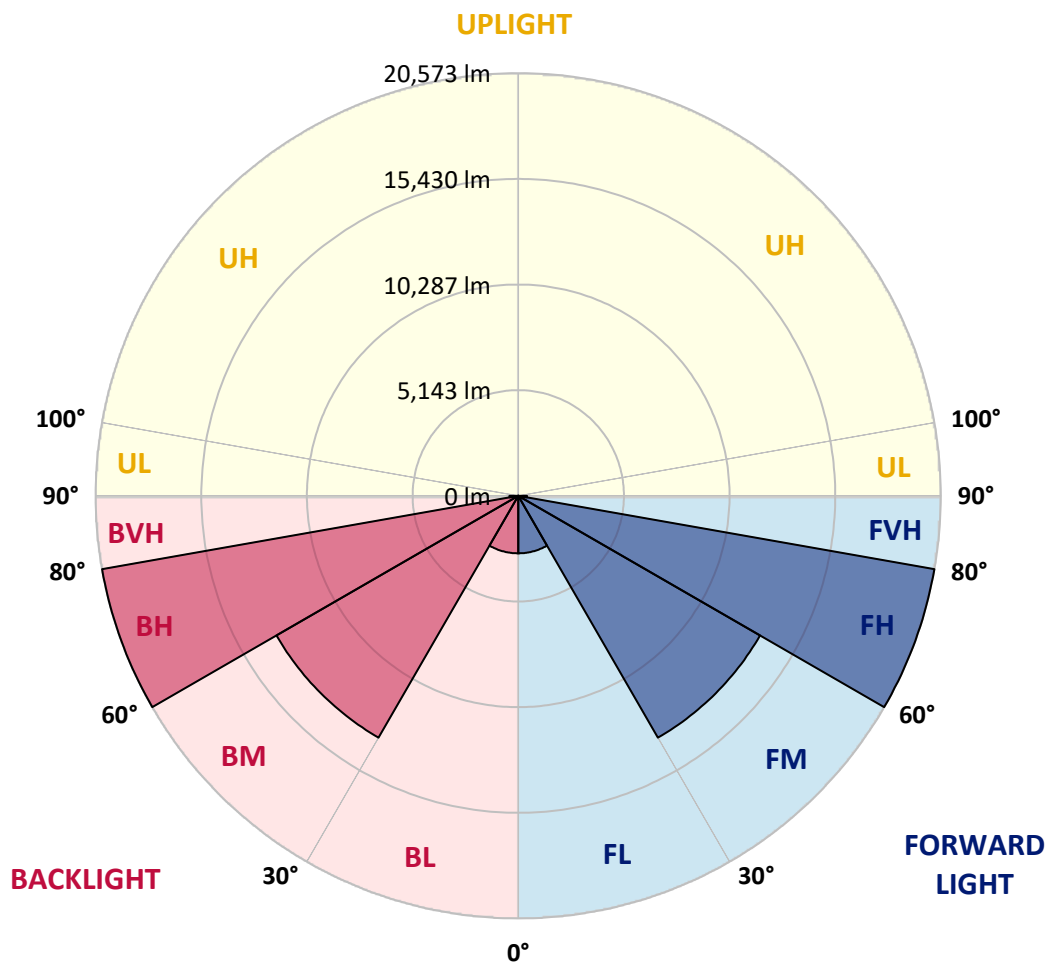


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2799.5	3.7			
FM (30°-60°)	13593.9	18.2			
FH (60°-80°)	20573.2	27.5			G5
FVH (80°-90°)	427.4	0.6			G3/500
BL (0°-30°)	2799.5	3.7	B4/5000		
BM (30°-60°)	13593.9	18.2	B5		
BH (60°-80°)	20573.2	27.5	B5		G5
BVH (80°-90°)	427.4	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°	6822.2	6822.2	6822.2	6822.2	6822.2	6822.2	6822.2	6822.2	6822.2	6822.2
2.5°	6779.4	6798.8	6791.1	6775.5	6775.5	6763.9	6775.5	6783.3	6795.0	6802.7
5°	6690.0	6705.6	6701.7	6690.0	6693.9	6682.2	6690.0	6701.7	6709.4	6713.3
7.5°	6612.3	6627.8	6620.0	6600.6	6600.6	6588.9	6592.8	6604.5	6616.1	6620.0
10°	6592.8	6608.4	6585.0	6553.9	6542.3	6526.7	6530.6	6542.3	6565.6	6577.3
12.5°	6600.6	6612.3	6588.9	6542.3	6530.6	6515.1	6515.1	6526.7	6557.8	6573.4
15°	6623.9	6635.6	6600.6	6550.1	6538.4	6526.7	6522.9	6538.4	6573.4	6600.6
17.5°	6666.7	6678.3	6623.9	6553.9	6538.4	6542.3	6538.4	6550.1	6604.5	6655.0
20°	6705.6	6713.3	6639.5	6553.9	6538.4	6542.3	6538.4	6561.7	6631.7	6701.7
22.5°	6717.2	6725.0	6655.0	6581.2	6569.5	6573.4	6569.5	6592.8	6658.9	6728.9
25°	6721.1	6732.8	6678.3	6620.0	6639.5	6647.2	6639.5	6643.4	6693.9	6756.1
27.5°	6779.4	6795.0	6744.4	6693.9	6705.6	6701.7	6713.3	6725.0	6763.9	6826.1
30°	6899.9	6911.6	6868.8	6818.3	6810.5	6783.3	6818.3	6857.2	6899.9	6954.3
32.5°	7098.2	7121.5	7067.1	7012.6	6977.7	6962.1	6989.3	7055.4	7113.7	7172.0
35°	7428.6	7444.1	7393.6	7292.5	7230.3	7230.3	7253.7	7339.2	7432.5	7506.3
37.5°	7895.1	7914.5	7825.1	7704.6	7611.3	7611.3	7642.4	7731.8	7871.7	7976.7
40°	8462.6	8489.8	8377.1	8252.7	8163.3	8147.7	8186.6	8287.7	8419.8	8552.0
42.5°	9146.8	9177.9	9030.1	8921.3	8851.3	8851.3	8870.8	8964.1	9084.6	9247.8
45°	10021.4	10075.8	9873.7	9764.8	9698.8	9714.3	9726.0	9807.6	9916.4	10103.0
47.5°	11063.2	11117.6	10903.8	10791.1	10779.4	10853.3	10806.6	10864.9	10923.2	11137.0
50°	12244.9	12338.2	12190.5	12182.7	12206.1	12342.1	12233.3	12264.4	12198.3	12334.3
52.5°	13691.0	13827.0	13799.8	13846.5	14106.9	14386.8	14138.0	14029.2	13780.4	13823.2
55°	15444.2	15650.2	15689.1	15968.9	16559.8	17131.2	16602.6	16163.3	15634.6	15537.4
57.5°	17438.3	17601.6	17788.2	18359.6	19463.6	20478.2	19463.6	18491.8	17659.9	17461.6
60°	19584.1	19786.2	19965.1	20808.6	22449.0	23875.7	22417.9	20874.7	19774.6	19506.4
62.5°	21889.3	22149.7	22274.1	23210.9	25123.5	26826.1	25150.7	23280.9	22060.3	21772.6
65°	24101.1	24314.9	24454.9	25453.9	27280.9	28987.4	27405.3	25562.7	24307.1	23930.1
67.5°	25131.2	25247.9	25589.9	26721.1	28649.2	30596.8	28975.8	26841.6	25438.3	24777.5
70°	23623.0	23385.9	24210.0	26021.4	28812.5	31584.1	29185.7	25967.0	24248.8	23175.9
72.5°	18254.7	17846.5	19277.0	22375.2	26946.6	30954.4	27133.2	22550.1	20167.2	17990.3
75°	9932.0	9469.4	11444.1	15362.5	21488.9	26830.0	21982.6	15801.8	12742.5	9858.1
77.5°	2802.7	2627.8	4221.6	7432.5	12925.2	18837.7	13422.8	7595.7	5006.8	2969.9
80°	859.1	831.9	1127.3	2239.1	5488.8	9022.4	5275.0	2266.3	1434.4	905.7
82.5°	509.2	466.5	559.8	816.3	1399.4	2833.8	1360.5	851.3	684.2	458.7
85°	291.5	272.1	330.4	396.5	470.4	602.5	392.6	404.3	365.4	244.9
87.5°	120.5	108.8	128.3	124.4	108.8	139.9	105.0	124.4	147.7	97.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6822.2
6798.8
6713.3
6620.0
6577.3
6577.3
6604.5
6655.0
6705.6
6728.9
6752.2
6810.5
6942.7
7148.7
7479.1
7937.8
8509.2
9236.2
10095.3
11074.9
12252.7
13679.3
15385.8
17321.7
19273.1
21539.4
23743.5
24785.3
23432.5
18530.7
10499.5
3300.3
956.3
497.6
256.6
89.4
0.0

OF REPORT)