

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: P851761

Luminaire Tested: **GLAN-SB9D-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851761
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-SB9D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60376 lumens
Efficiency: N/A
Efficacy: 91.8 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

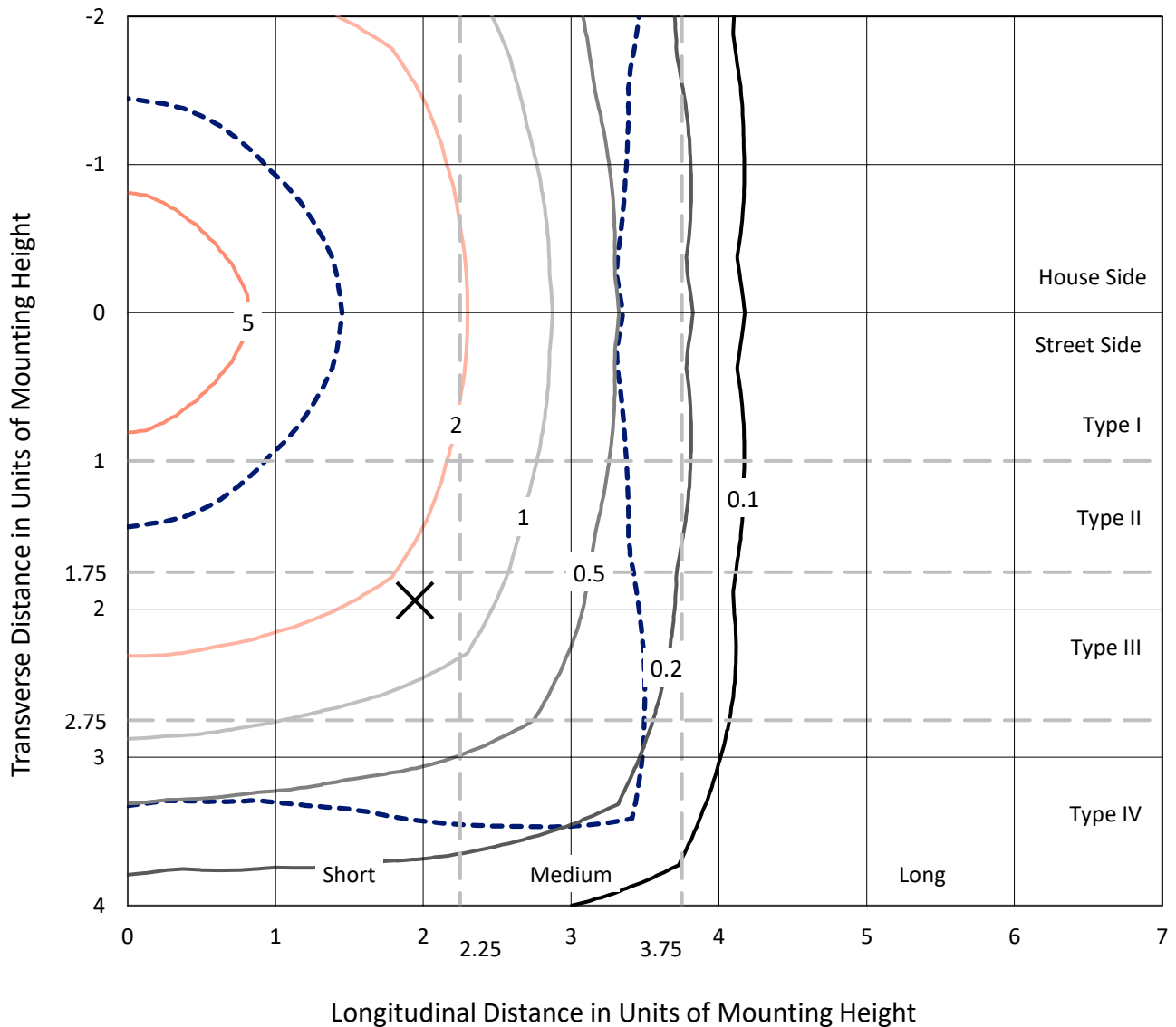
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

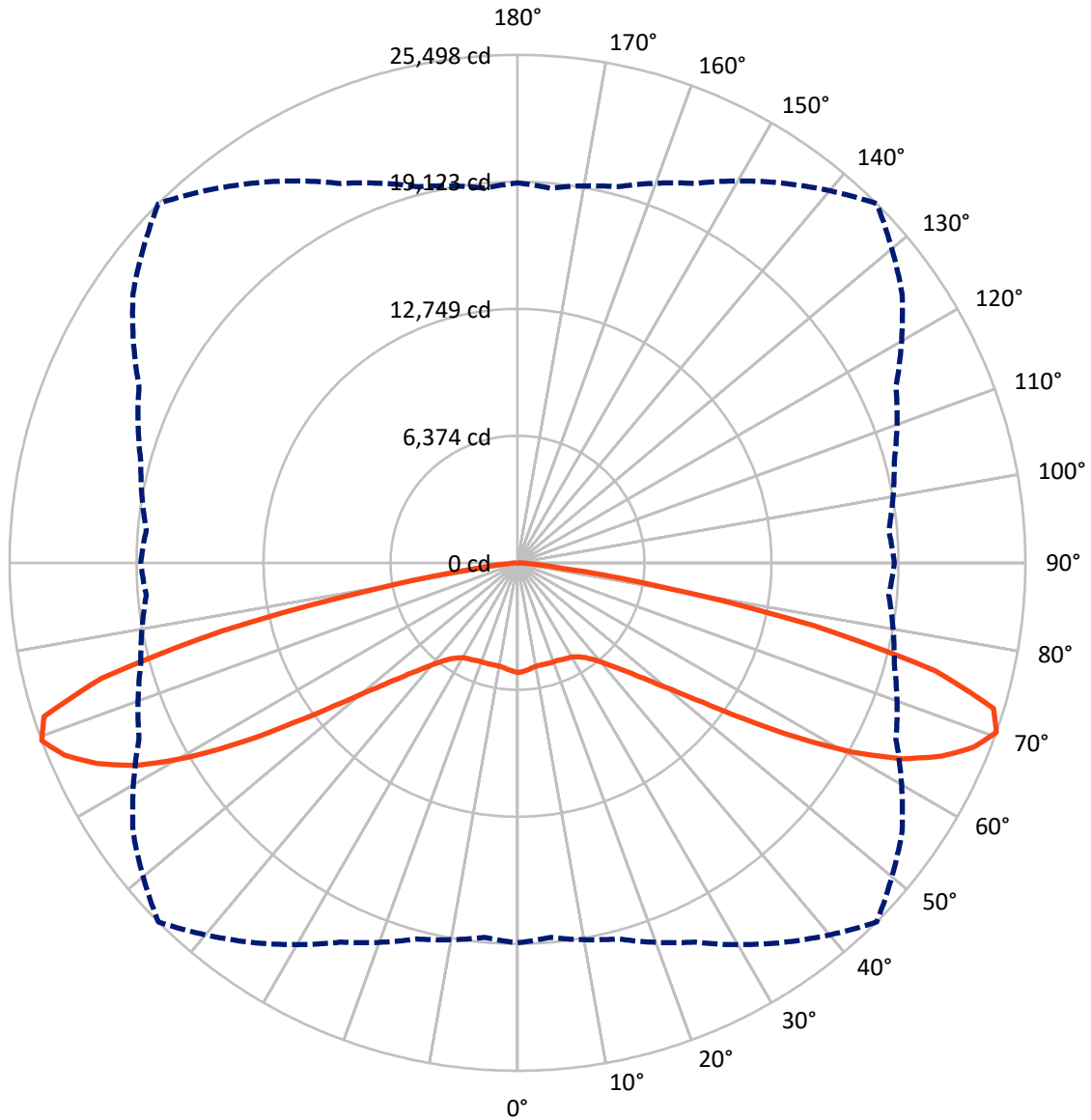
✕ Max cd
 - - - 1/2 Max cd



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	30188.0	0.0	30188.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30188.0	0.0	30188.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	60376.0	0.0	60376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.3	0.8
10°-20°	1504.3	2.5
20°-30°	2503.4	4.1
30°-40°	3785.9	6.3
40°-50°	6291.3	10.4
50°-60°	11871.4	19.7
60°-70°	20045.4	33.2
70°-80°	13171.9	21.8
80°-90°	690.1	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°	60376.0	100.0
0°-180°	60376.0	100.0

Coefficient of Utilization



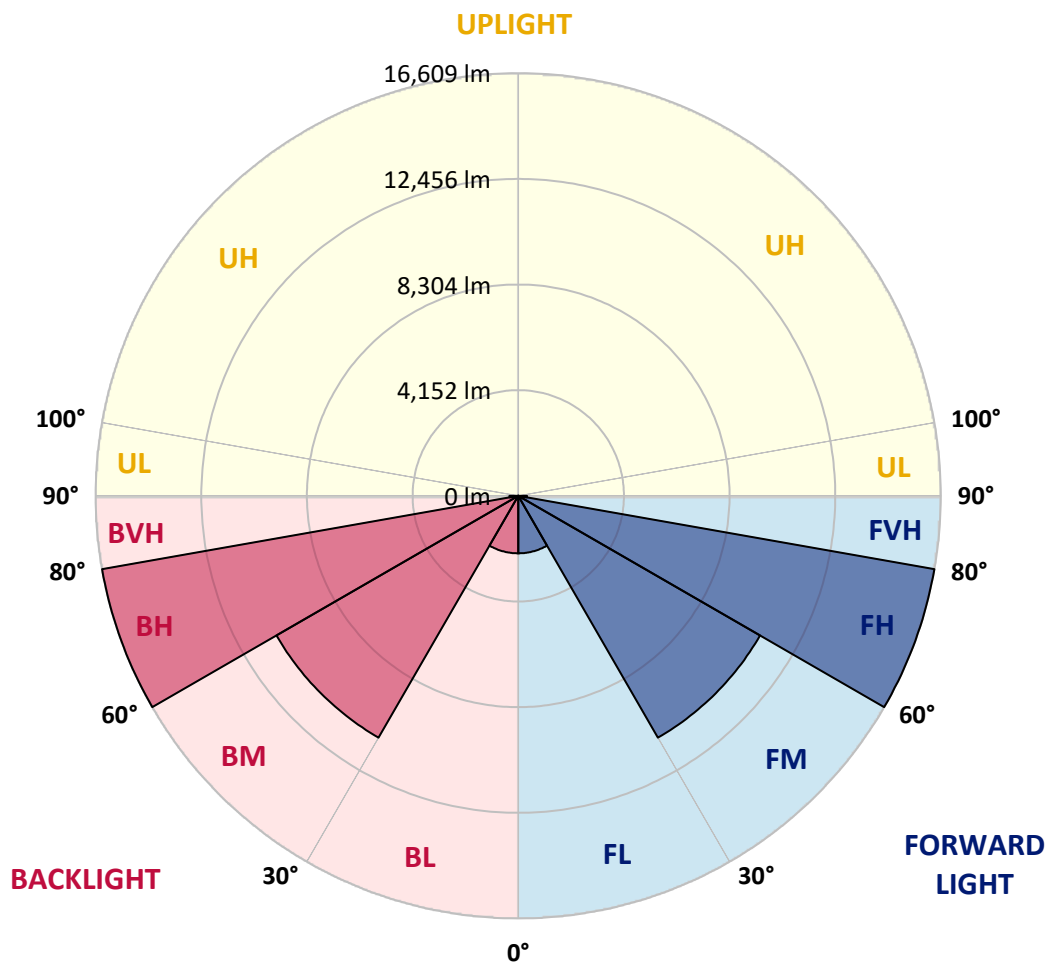
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2260.0	3.7			
FM (30°-60°)	10974.3	18.2			
FH (60°-80°)	16608.6	27.5			G5
FVH (80°-90°)	345.0	0.6			G3/500
BL (0°-30°)	2260.0	3.7	B3/2500		
BM (30°-60°)	10974.3	18.2	B5		
BH (60°-80°)	16608.6	27.5	B5		G5
BVH (80°-90°)	345.0	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°	5507.5	5507.5	5507.5	5507.5	5507.5	5507.5	5507.5	5507.5	5507.5	5507.5
2.5°	5473.0	5488.7	5482.4	5469.8	5469.8	5460.4	5469.8	5476.1	5485.5	5491.8
5°	5400.8	5413.4	5410.2	5400.8	5403.9	5394.5	5400.8	5410.2	5416.5	5419.6
7.5°	5338.0	5350.6	5344.3	5328.6	5328.6	5319.2	5322.4	5331.8	5341.2	5344.3
10°	5322.4	5334.9	5316.1	5291.0	5281.6	5269.0	5272.1	5281.6	5300.4	5309.8
12.5°	5328.6	5338.0	5319.2	5281.6	5272.1	5259.6	5259.6	5269.0	5294.1	5306.7
15°	5347.5	5356.9	5328.6	5287.8	5278.4	5269.0	5265.9	5278.4	5306.7	5328.6
17.5°	5382.0	5391.4	5347.5	5291.0	5278.4	5281.6	5278.4	5287.8	5331.8	5372.6
20°	5413.4	5419.6	5360.0	5291.0	5278.4	5281.6	5278.4	5297.2	5353.7	5410.2
22.5°	5422.8	5429.1	5372.6	5312.9	5303.5	5306.7	5303.5	5322.4	5375.7	5432.2
25°	5425.9	5435.3	5391.4	5344.3	5360.0	5366.3	5360.0	5363.2	5403.9	5454.2
27.5°	5473.0	5485.5	5444.7	5403.9	5413.4	5410.2	5419.6	5429.1	5460.4	5510.6
30°	5570.3	5579.7	5545.2	5504.4	5498.1	5476.1	5504.4	5535.8	5570.3	5614.2
32.5°	5730.3	5749.1	5705.2	5661.3	5633.0	5620.5	5642.4	5695.8	5742.9	5789.9
35°	5997.1	6009.6	5968.8	5887.2	5837.0	5837.0	5855.8	5924.9	6000.2	6059.8
37.5°	6373.6	6389.3	6317.2	6219.9	6144.6	6144.6	6169.7	6241.8	6354.8	6439.5
40°	6831.8	6853.8	6762.8	6662.4	6590.2	6577.6	6609.0	6690.6	6797.3	6904.0
42.5°	7384.1	7409.2	7290.0	7202.1	7145.6	7145.6	7161.3	7236.6	7333.9	7465.7
45°	8090.2	8134.2	7971.0	7883.1	7829.8	7842.3	7851.7	7917.6	8005.5	8156.1
47.5°	8931.3	8975.2	8802.6	8711.6	8702.2	8761.8	8724.1	8771.2	8818.3	8990.9
50°	9885.3	9960.6	9841.3	9835.1	9853.9	9963.7	9875.9	9901.0	9847.6	9957.4
52.5°	11052.7	11162.5	11140.5	11178.2	11388.5	11614.4	11413.6	11325.7	11124.8	11159.4
55°	12468.0	12634.3	12665.7	12891.6	13368.6	13830.0	13403.2	13048.6	12621.8	12543.3
57.5°	14077.9	14209.7	14360.3	14821.6	15712.9	16531.9	15712.9	14928.3	14256.8	14096.7
60°	15810.2	15973.3	16117.7	16798.7	18123.0	19274.7	18097.9	16852.0	15963.9	15747.4
62.5°	17671.1	17881.4	17981.8	18738.1	20282.1	21656.6	20304.0	18794.6	17809.2	17576.9
65°	19456.7	19629.3	19742.3	20548.8	22023.8	23401.4	22124.2	20636.7	19623.0	19318.6
67.5°	20288.3	20382.5	20658.6	21571.9	23128.4	24700.6	23392.0	21669.1	20536.3	20002.8
70°	19070.7	18879.3	19544.6	21007.0	23260.2	25497.7	23561.5	20963.0	19576.0	18709.8
72.5°	14736.9	14407.4	15562.2	18063.4	21753.9	24989.3	21904.5	18204.6	16280.9	14523.5
75°	8018.1	7644.6	9238.8	12402.1	17347.9	21659.7	17746.4	12756.7	10287.0	7958.4
77.5°	2262.6	2121.4	3408.1	6000.2	10434.5	15207.6	10836.1	6132.0	4042.0	2397.6
80°	693.5	671.6	910.1	1807.6	4431.1	7283.7	4258.5	1829.6	1158.0	731.2
82.5°	411.1	376.6	451.9	659.0	1129.7	2287.7	1098.4	687.3	552.3	370.3
85°	235.4	219.7	266.7	320.1	379.7	486.4	317.0	326.4	295.0	197.7
87.5°	97.3	87.9	103.6	100.4	87.9	113.0	84.7	100.4	119.3	78.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5507.5
5488.7
5419.6
5344.3
5309.8
5309.8
5331.8
5372.6
5413.4
5432.2
5451.0
5498.1
5604.8
5771.1
6037.9
6408.2
6869.5
7456.3
8149.9
8940.7
9891.5
11043.3
12420.9
13983.7
15559.1
17388.7
19168.0
20009.0
18917.0
14959.7
8476.2
2664.3
772.0
401.7
207.1
72.2
0.0

OF REPORT)