

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: P851541

Luminaire Tested: **GLAN-SB9C-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851541
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-SB9C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55013 lumens
Efficiency: N/A
Efficacy: 122.3 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

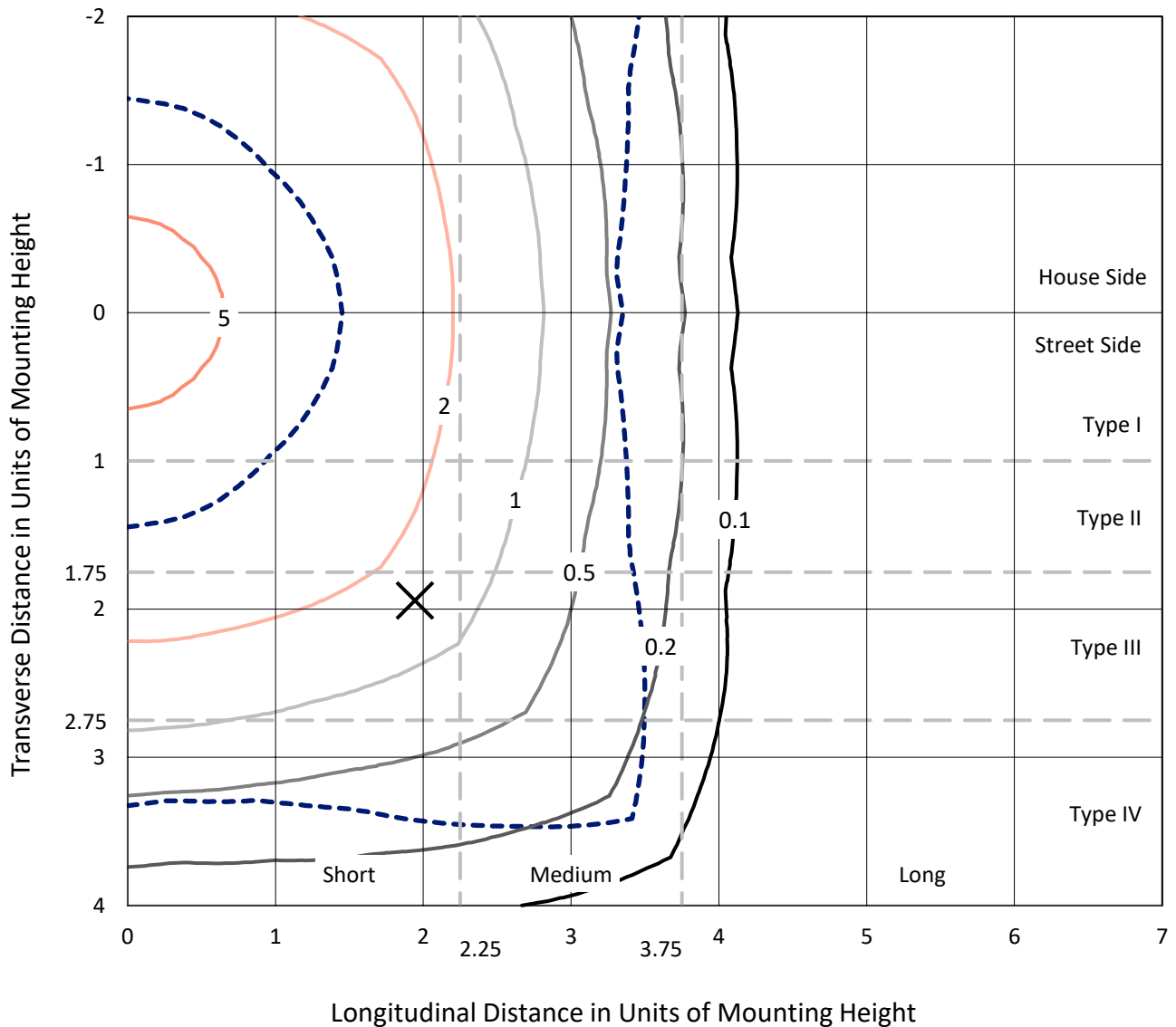
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

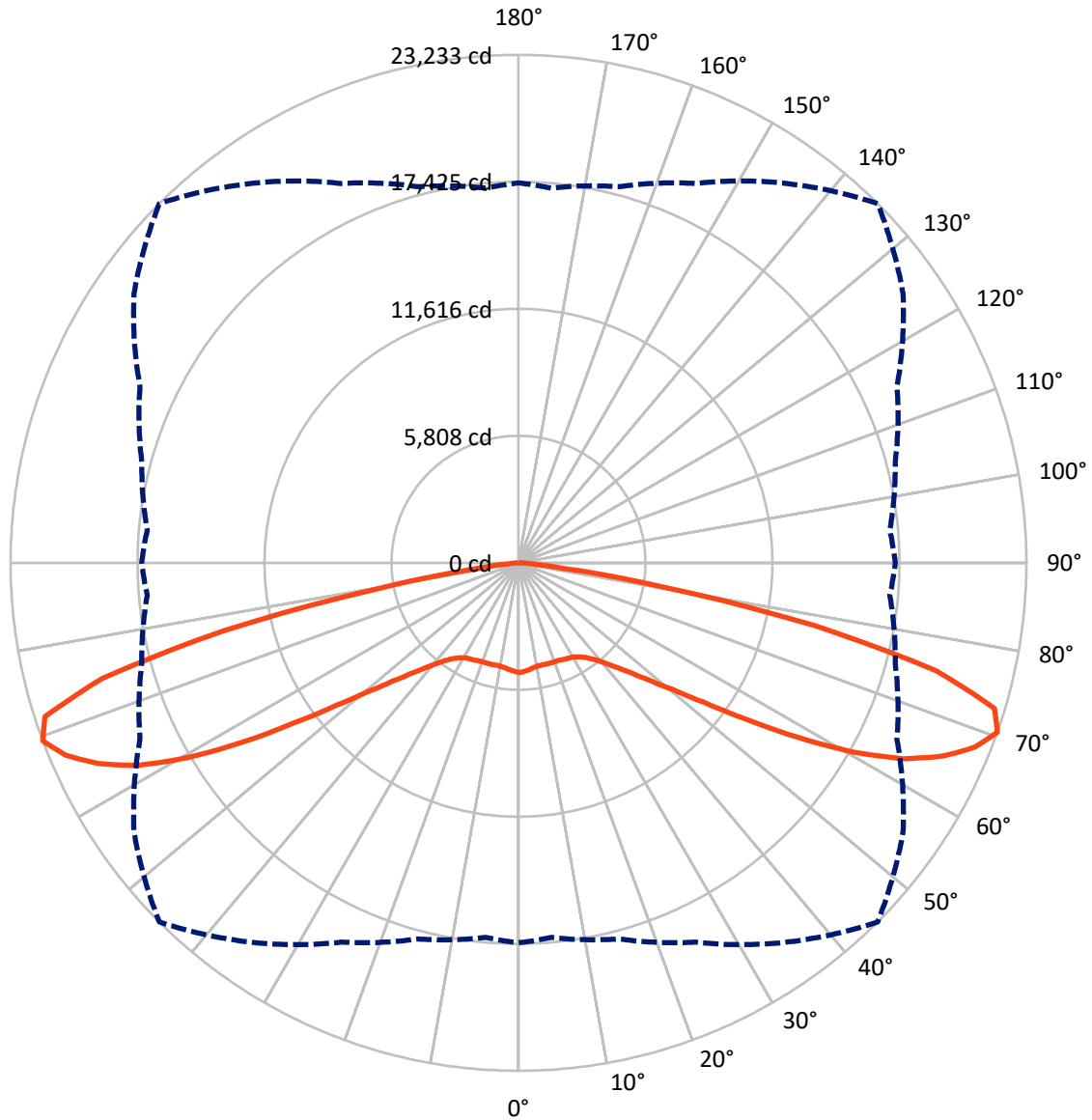
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	27506.5	0.0	27506.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27506.5	0.0	27506.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55013.0	0.0	55013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.8	0.8
10°-20°	1370.7	2.5
20°-30°	2281.0	4.1
30°-40°	3449.6	6.3
40°-50°	5732.4	10.4
50°-60°	10816.9	19.7
60°-70°	18264.8	33.2
70°-80°	12001.9	21.8
80°-90°	628.8	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°	55013.0	100.0
0°-180°	55013.0	100.0

Coefficient of Utilization

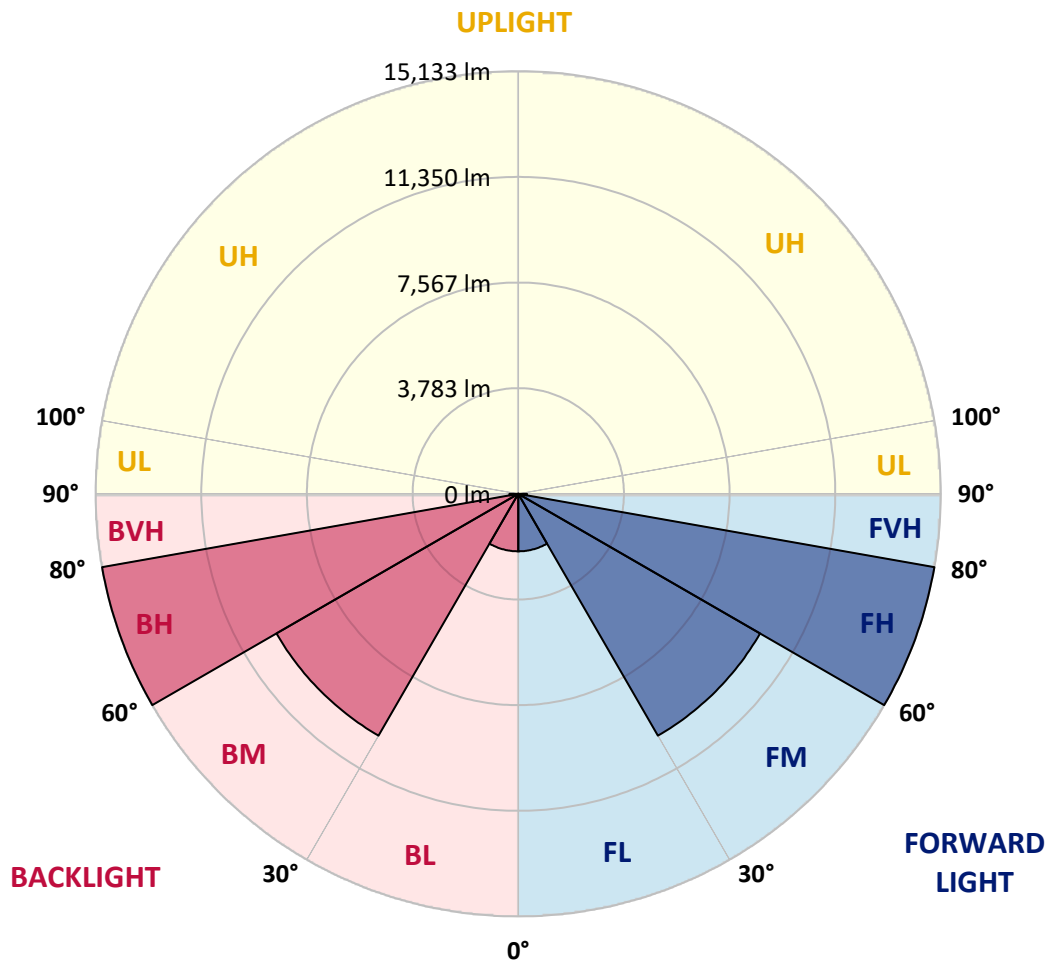


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2059.3	3.7			
FM (30°-60°)	9999.5	18.2			
FH (60°-80°)	15133.3	27.5			G5
FVH (80°-90°)	314.4	0.6			G3/500
BL (0°-30°)	2059.3	3.7	B3/2500		
BM (30°-60°)	9999.5	18.2	B5		
BH (60°-80°)	15133.3	27.5	B5		G5
BVH (80°-90°)	314.4	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°	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3
2.5°	4986.8	5001.1	4995.4	4984.0	4984.0	4975.4	4984.0	4989.7	4998.3	5004.0
5°	4921.1	4932.5	4929.7	4921.1	4923.9	4915.4	4921.1	4929.7	4935.4	4938.2
7.5°	4863.9	4875.3	4869.6	4855.3	4855.3	4846.7	4849.6	4858.2	4866.7	4869.6
10°	4849.6	4861.0	4843.9	4821.0	4812.4	4801.0	4803.8	4812.4	4829.6	4838.1
12.5°	4855.3	4863.9	4846.7	4812.4	4803.8	4792.4	4792.4	4801.0	4823.9	4835.3
15°	4872.5	4881.0	4855.3	4818.1	4809.6	4801.0	4798.1	4809.6	4835.3	4855.3
17.5°	4903.9	4912.5	4872.5	4821.0	4809.6	4812.4	4809.6	4818.1	4858.2	4895.3
20°	4932.5	4938.2	4883.9	4821.0	4809.6	4812.4	4809.6	4826.7	4878.2	4929.7
22.5°	4941.1	4946.8	4895.3	4841.0	4832.4	4835.3	4832.4	4849.6	4898.2	4949.7
25°	4943.9	4952.5	4912.5	4869.6	4883.9	4889.6	4883.9	4886.8	4923.9	4969.7
27.5°	4986.8	4998.3	4961.1	4923.9	4932.5	4929.7	4938.2	4946.8	4975.4	5021.2
30°	5075.5	5084.1	5052.6	5015.4	5009.7	4989.7	5015.4	5044.0	5075.5	5115.5
32.5°	5221.3	5238.5	5198.4	5158.4	5132.7	5121.2	5141.2	5189.9	5232.8	5275.6
35°	5464.4	5475.8	5438.6	5364.3	5318.5	5318.5	5335.7	5398.6	5467.2	5521.6
37.5°	5807.5	5821.8	5756.0	5667.4	5598.8	5598.8	5621.6	5687.4	5790.3	5867.5
40°	6225.0	6245.0	6162.1	6070.6	6004.8	5993.4	6022.0	6096.3	6193.5	6290.7
42.5°	6728.2	6751.1	6642.4	6562.4	6510.9	6510.9	6525.2	6593.8	6682.5	6802.6
45°	7371.6	7411.6	7262.9	7182.9	7134.3	7145.7	7154.3	7214.3	7294.4	7431.6
47.5°	8137.9	8178.0	8020.7	7937.8	7929.2	7983.5	7949.2	7992.1	8035.0	8192.3
50°	9007.2	9075.8	8967.2	8961.4	8978.6	9078.7	8998.6	9021.5	8972.9	9073.0
52.5°	10070.9	10171.0	10151.0	10185.3	10376.9	10582.7	10399.7	10319.7	10136.7	10168.1
55°	11360.5	11512.1	11540.6	11746.5	12181.2	12601.5	12212.6	11889.5	11500.6	11429.1
57.5°	12827.4	12947.5	13084.7	13505.1	14317.1	15063.5	14317.1	13602.3	12990.4	12844.5
60°	14405.8	14554.5	14686.0	15306.5	16513.2	17562.6	16490.3	15355.1	14545.9	14348.6
62.5°	16101.4	16293.0	16384.5	17073.6	18480.5	19732.9	18500.5	17125.1	16227.2	16015.6
65°	17728.4	17885.7	17988.7	18723.5	20067.5	21322.7	20159.0	18803.6	17880.0	17602.6
67.5°	18486.2	18572.0	18823.6	19655.7	21074.0	22506.5	21314.2	19744.3	18712.1	18226.0
70°	17376.7	17202.3	17808.5	19141.0	21194.1	23232.8	21468.6	19101.0	17837.1	17047.9
72.5°	13427.9	13127.6	14179.9	16458.9	19821.5	22769.6	19958.8	16587.5	14834.7	13233.4
75°	7305.8	6965.6	8418.2	11300.5	15806.9	19735.8	16170.1	11623.6	9373.2	7251.5
77.5°	2061.6	1933.0	3105.3	5467.2	9507.6	13856.8	9873.6	5587.3	3682.9	2184.6
80°	631.9	611.9	829.2	1647.0	4037.5	6636.7	3880.2	1667.0	1055.1	666.2
82.5°	374.6	343.1	411.8	600.5	1029.4	2084.5	1000.8	626.2	503.3	337.4
85°	214.5	200.2	243.1	291.7	346.0	443.2	288.8	297.4	268.8	180.1
87.5°	88.6	80.1	94.4	91.5	80.1	102.9	77.2	91.5	108.7	71.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5018.3
5001.1
4938.2
4869.6
4838.1
4838.1
4858.2
4895.3
4932.5
4949.7
4966.8
5009.7
5106.9
5258.5
5501.5
5838.9
6259.3
6794.0
7425.9
8146.5
9012.9
10062.3
11317.6
12741.6
14177.0
15844.1
17465.4
18231.7
17236.6
13630.9
7723.3
2427.7
703.4
366.0
188.7
65.8
0.0

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