

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: P850861

Luminaire Tested: **GLAN-SB8C-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850861
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-SB8C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 48839 lumens
Efficiency: N/A
Efficacy: 122.2 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

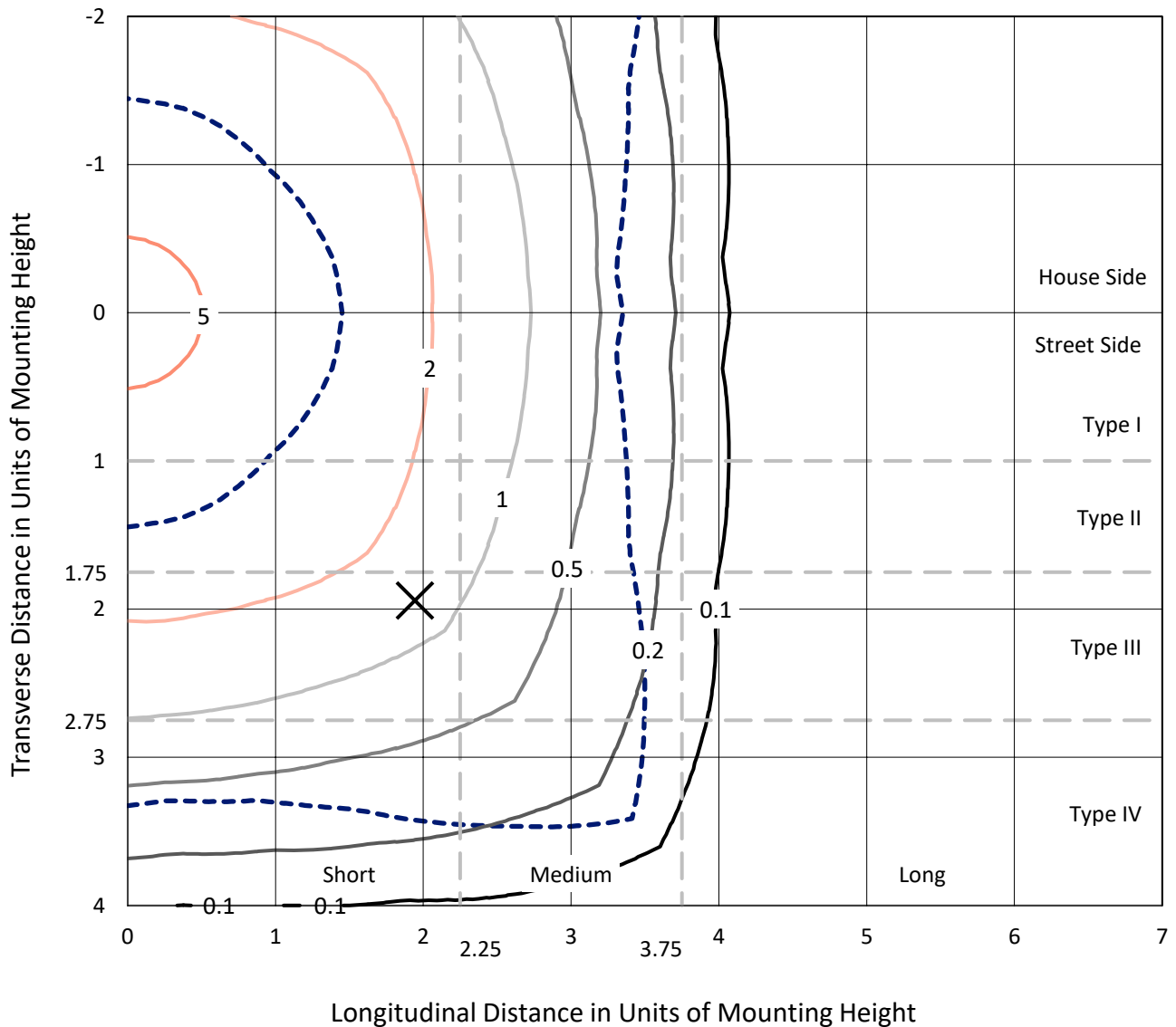
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

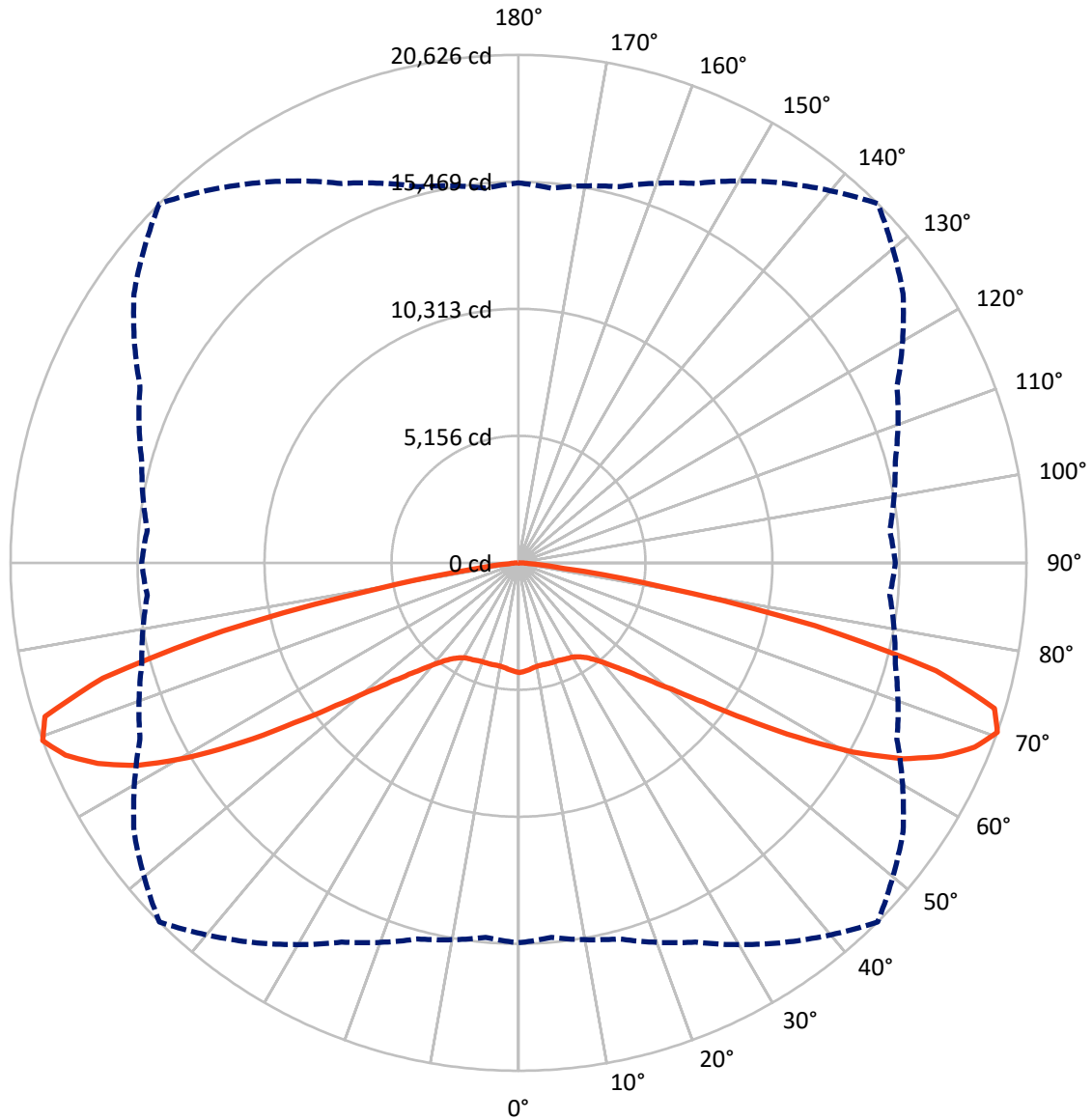
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	24419.5	0.0	24419.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24419.5	0.0	24419.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48839.0	0.0	48839.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.4	0.8
10°-20°	1216.9	2.5
20°-30°	2025.0	4.1
30°-40°	3062.5	6.3
40°-50°	5089.1	10.4
50°-60°	9603.0	19.7
60°-70°	16215.0	33.2
70°-80°	10654.9	21.8
80°-90°	558.2	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°	48839.0	100.0
0°-180°	48839.0	100.0

Coefficient of Utilization

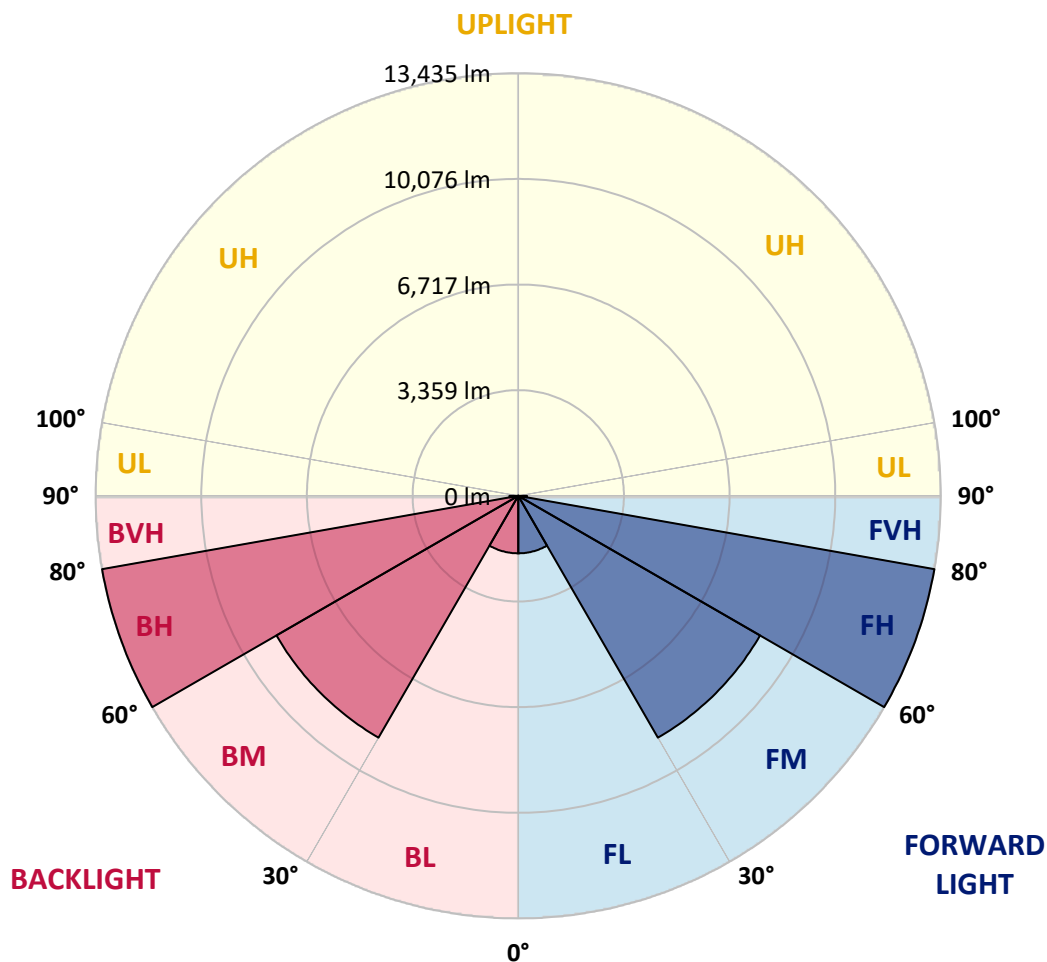


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1828.2	3.7			
FM (30°-60°)	8877.3	18.2			
FH (60°-80°)	13435.0	27.5			G5
FVH (80°-90°)	279.1	0.6			G3/500
BL (0°-30°)	1828.2	3.7	B3/2500		
BM (30°-60°)	8877.3	18.2	B5		
BH (60°-80°)	13435.0	27.5	B5		G5
BVH (80°-90°)	279.1	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°	4455.1	4455.1	4455.1	4455.1	4455.1	4455.1	4455.1	4455.1	4455.1	4455.1
2.5°	4427.2	4439.9	4434.8	4424.6	4424.6	4417.0	4424.6	4429.7	4437.3	4442.4
5°	4368.8	4378.9	4376.4	4368.8	4371.3	4363.7	4368.8	4376.4	4381.5	4384.0
7.5°	4318.0	4328.2	4323.1	4310.4	4310.4	4302.8	4305.3	4312.9	4320.6	4323.1
10°	4305.3	4315.5	4300.3	4279.9	4272.3	4262.2	4264.7	4272.3	4287.6	4295.2
12.5°	4310.4	4318.0	4302.8	4272.3	4264.7	4254.6	4254.6	4262.2	4282.5	4292.6
15°	4325.6	4333.3	4310.4	4277.4	4269.8	4262.2	4259.6	4269.8	4292.6	4310.4
17.5°	4353.6	4361.2	4325.6	4279.9	4269.8	4272.3	4269.8	4277.4	4312.9	4345.9
20°	4378.9	4384.0	4335.8	4279.9	4269.8	4272.3	4269.8	4285.0	4330.7	4376.4
22.5°	4386.6	4391.6	4345.9	4297.7	4290.1	4292.6	4290.1	4305.3	4348.5	4394.2
25°	4389.1	4396.7	4361.2	4323.1	4335.8	4340.9	4335.8	4338.3	4371.3	4411.9
27.5°	4427.2	4437.3	4404.3	4371.3	4378.9	4376.4	4384.0	4391.6	4417.0	4457.6
30°	4505.9	4513.5	4485.6	4452.6	4447.5	4429.7	4452.6	4477.9	4505.9	4541.4
32.5°	4635.3	4650.6	4615.0	4579.5	4556.6	4546.5	4564.3	4607.4	4645.5	4683.6
35°	4851.1	4861.3	4828.3	4762.3	4721.6	4721.6	4736.9	4792.7	4853.6	4901.9
37.5°	5155.7	5168.4	5110.0	5031.3	4970.4	4970.4	4990.7	5049.1	5140.5	5209.0
40°	5526.4	5544.1	5470.5	5389.3	5330.9	5320.7	5346.1	5412.1	5498.4	5584.7
42.5°	5973.1	5993.4	5897.0	5825.9	5780.2	5780.2	5792.9	5853.8	5932.5	6039.1
45°	6544.3	6579.8	6447.8	6376.8	6333.6	6343.8	6351.4	6404.7	6475.8	6597.6
47.5°	7224.6	7260.2	7120.5	7046.9	7039.3	7087.5	7057.1	7095.2	7133.2	7272.9
50°	7996.3	8057.3	7960.8	7955.7	7970.9	8059.8	7988.7	8009.0	7965.9	8054.7
52.5°	8940.7	9029.5	9011.7	9042.2	9212.3	9395.1	9232.6	9161.5	8999.0	9027.0
55°	10085.5	10220.1	10245.5	10428.2	10814.1	11187.3	10842.0	10555.2	10209.9	10146.5
57.5°	11387.8	11494.4	11616.3	11989.4	12710.4	13372.9	12710.4	12075.7	11532.5	11403.0
60°	12789.1	12921.1	13037.8	13588.7	14659.9	15591.6	14639.6	13631.8	12913.4	12738.3
62.5°	14294.4	14464.5	14545.7	15157.5	16406.4	17518.3	16424.2	15203.2	14406.1	14218.2
65°	15738.8	15878.4	15969.8	16622.2	17815.3	18929.7	17896.6	16693.3	15873.4	15627.1
67.5°	16411.5	16487.7	16711.1	17449.8	18708.9	19980.7	18922.1	17528.5	16612.1	16180.5
70°	15426.6	15271.7	15809.9	16992.8	18815.5	20625.5	19059.2	16957.3	15835.3	15134.6
72.5°	11920.9	11654.3	12588.5	14611.7	17597.0	20214.2	17718.9	14725.9	13169.8	11748.3
75°	6485.9	6183.8	7473.4	10032.2	14032.9	17520.9	14355.3	10319.1	8321.3	6437.7
77.5°	1830.3	1716.0	2756.8	4853.6	8440.6	12301.7	8765.5	4960.3	3269.6	1939.4
80°	561.0	543.2	736.2	1462.2	3584.4	5891.9	3444.8	1480.0	936.7	591.5
82.5°	332.5	304.6	365.5	533.1	913.9	1850.6	888.5	555.9	446.8	299.5
85°	190.4	177.7	215.8	258.9	307.2	393.5	256.4	264.0	238.6	159.9
87.5°	78.7	71.1	83.8	81.2	71.1	91.4	68.5	81.2	96.5	63.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4455.1
4439.9
4384.0
4323.1
4295.2
4295.2
4312.9
4345.9
4378.9
4394.2
4409.4
4447.5
4533.8
4668.3
4884.1
5183.7
5556.8
6031.5
6592.5
7232.2
8001.4
8933.0
10047.5
11311.6
12586.0
14065.9
15505.3
16185.6
15302.2
12101.1
6856.5
2155.2
624.5
324.9
167.5
58.4
0.0

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