

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: P849671

Luminaire Tested: **GLAN-SB6D-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849671
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-SB6D-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 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: 49767 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

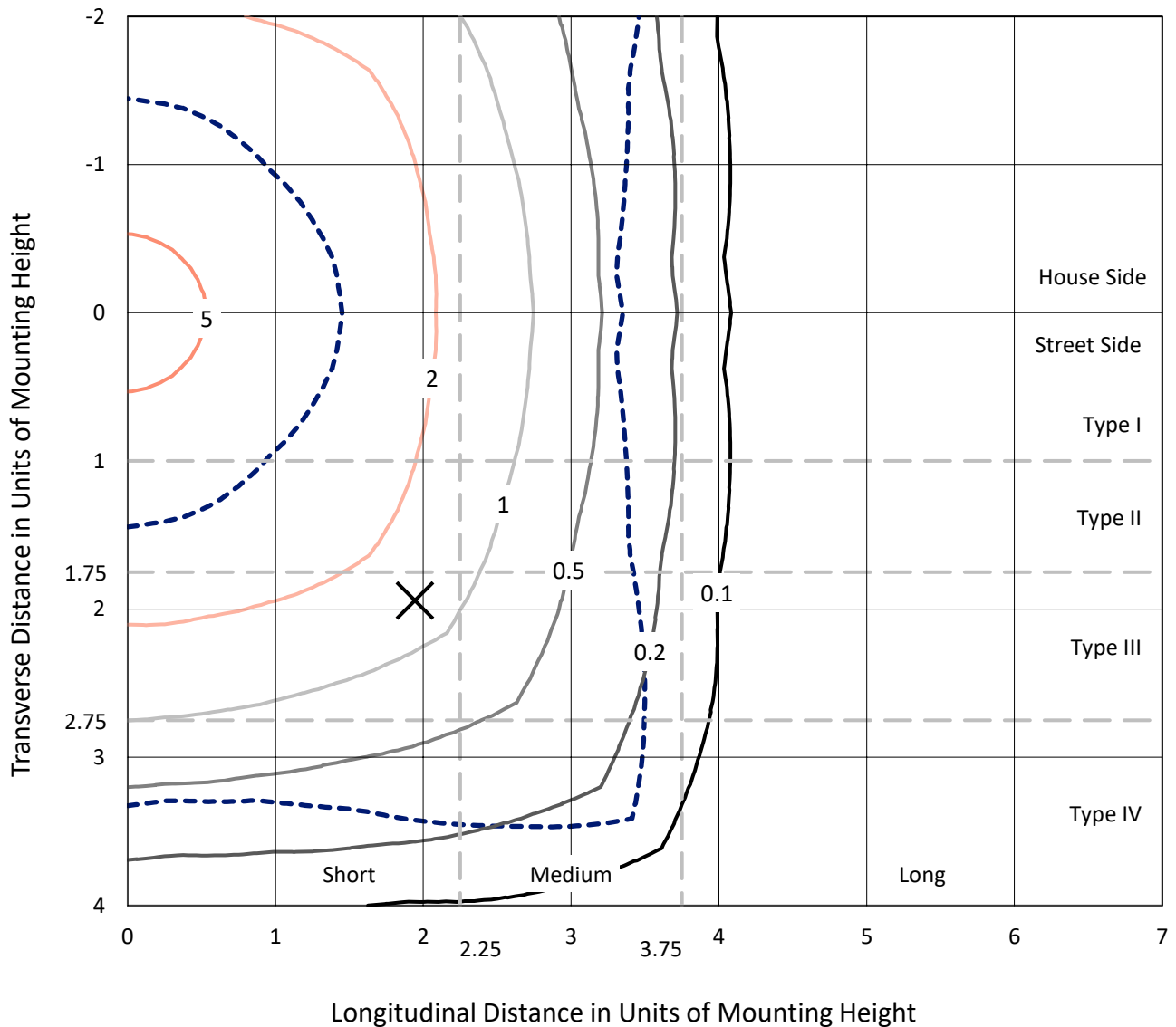
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

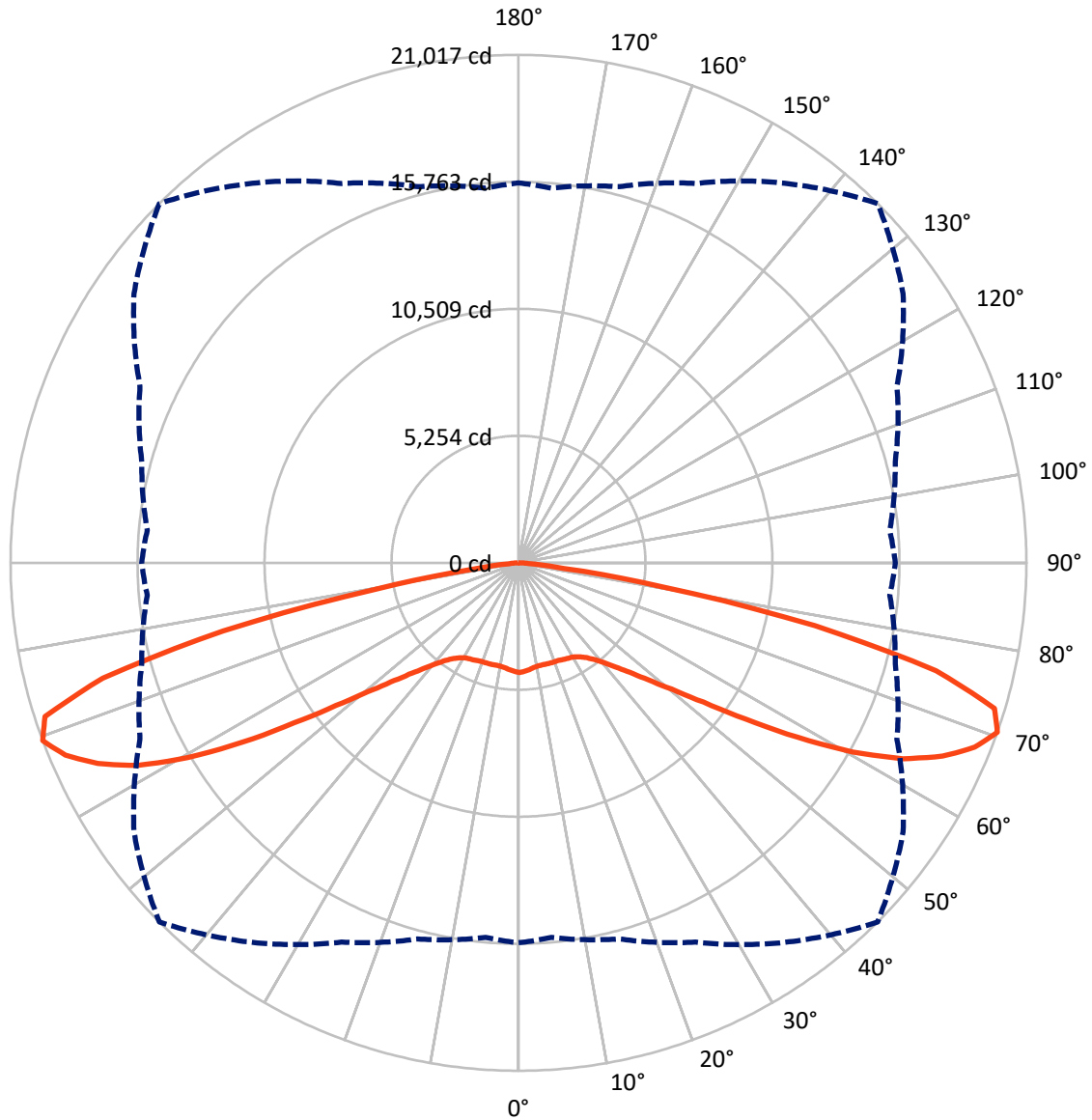
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	24883.5	0.0	24883.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24883.5	0.0	24883.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49767.0	0.0	49767.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.3	0.8
10°-20°	1240.0	2.5
20°-30°	2063.5	4.1
30°-40°	3120.7	6.3
40°-50°	5185.8	10.4
50°-60°	9785.4	19.7
60°-70°	16523.1	33.2
70°-80°	10857.4	21.8
80°-90°	568.8	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°	49767.0	100.0
0°-180°	49767.0	100.0

Coefficient of Utilization

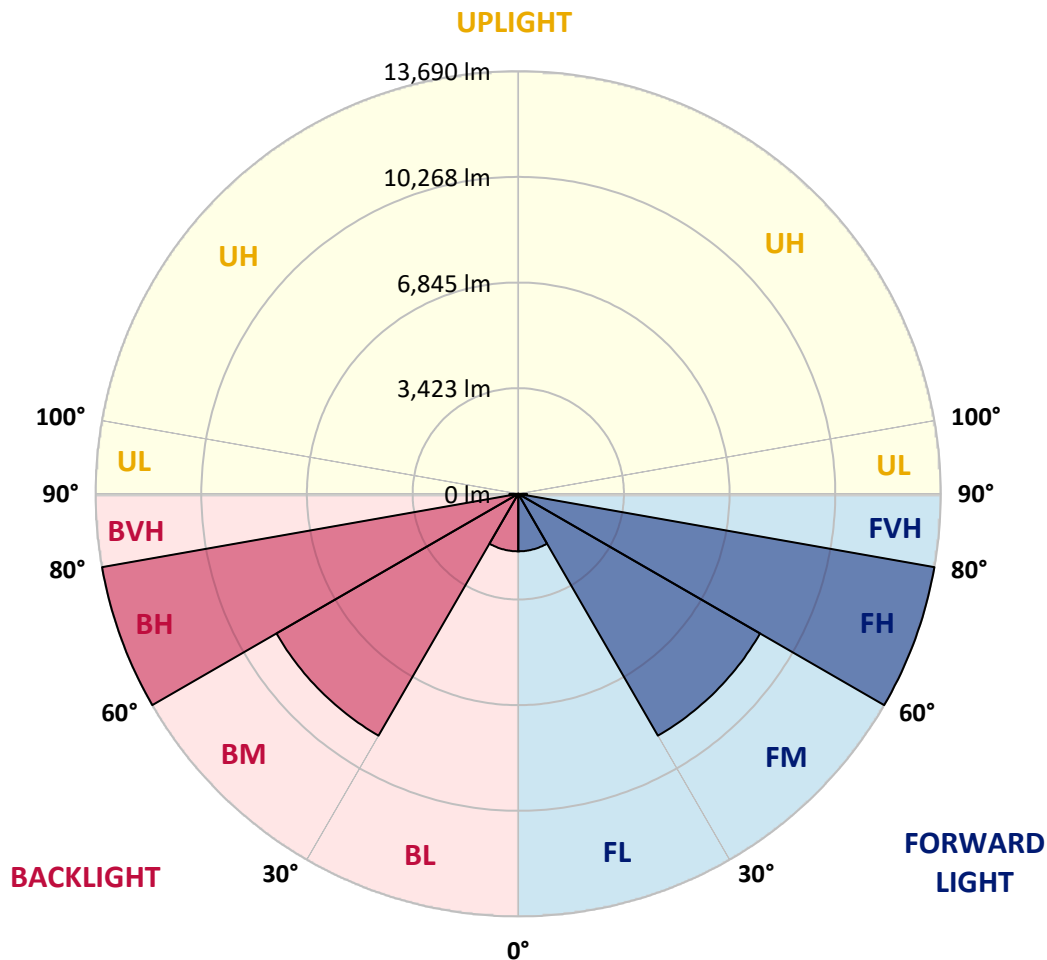


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1862.9	3.7			
FM (30°-60°)	9046.0	18.2			
FH (60°-80°)	13690.2	27.5			G5
FVH (80°-90°)	284.4	0.6			G3/500
BL (0°-30°)	1862.9	3.7	B3/2500		
BM (30°-60°)	9046.0	18.2	B5		
BH (60°-80°)	13690.2	27.5	B5		G5
BVH (80°-90°)	284.4	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°	4539.8	4539.8	4539.8	4539.8	4539.8	4539.8	4539.8	4539.8	4539.8	4539.8
2.5°	4511.3	4524.2	4519.1	4508.7	4508.7	4501.0	4508.7	4513.9	4521.6	4526.8
5°	4451.8	4462.1	4459.6	4451.8	4454.4	4446.6	4451.8	4459.6	4464.7	4467.3
7.5°	4400.1	4410.4	4405.2	4392.3	4392.3	4384.5	4387.1	4394.9	4402.7	4405.2
10°	4387.1	4397.5	4382.0	4361.3	4353.5	4343.2	4345.7	4353.5	4369.0	4376.8
12.5°	4392.3	4400.1	4384.5	4353.5	4345.7	4335.4	4335.4	4343.2	4363.9	4374.2
15°	4407.8	4415.6	4392.3	4358.7	4350.9	4343.2	4340.6	4350.9	4374.2	4392.3
17.5°	4436.3	4444.0	4407.8	4361.3	4350.9	4353.5	4350.9	4358.7	4394.9	4428.5
20°	4462.1	4467.3	4418.2	4361.3	4350.9	4353.5	4350.9	4366.4	4413.0	4459.6
22.5°	4469.9	4475.1	4428.5	4379.4	4371.6	4374.2	4371.6	4387.1	4431.1	4477.7
25°	4472.5	4480.3	4444.0	4405.2	4418.2	4423.3	4418.2	4420.8	4454.4	4495.8
27.5°	4511.3	4521.6	4488.0	4454.4	4462.1	4459.6	4467.3	4475.1	4501.0	4542.3
30°	4591.5	4599.2	4570.8	4537.2	4532.0	4513.9	4537.2	4563.0	4591.5	4627.7
32.5°	4723.4	4738.9	4702.7	4666.5	4643.2	4632.9	4651.0	4695.0	4733.8	4772.6
35°	4943.3	4953.6	4920.0	4852.7	4811.4	4811.4	4826.9	4883.8	4945.9	4995.0
37.5°	5253.7	5266.6	5207.1	5126.9	5064.9	5064.9	5085.6	5145.1	5238.2	5308.0
40°	5631.4	5649.5	5574.5	5491.7	5432.2	5421.8	5447.7	5515.0	5602.9	5690.9
42.5°	6086.6	6107.3	6009.0	5936.6	5890.0	5890.0	5903.0	5965.1	6045.2	6153.9
45°	6668.7	6704.9	6570.4	6497.9	6453.9	6464.3	6472.1	6526.4	6598.8	6723.0
47.5°	7361.9	7398.1	7255.8	7180.8	7173.1	7222.2	7191.2	7230.0	7268.8	7411.0
50°	8148.3	8210.4	8112.1	8106.9	8122.4	8212.9	8140.5	8161.2	8117.2	8207.8
52.5°	9110.5	9201.1	9183.0	9214.0	9387.3	9573.6	9408.0	9335.6	9170.0	9198.5
55°	10277.2	10414.3	10440.1	10626.4	11019.6	11399.8	11048.0	10755.7	10403.9	10339.3
57.5°	11604.2	11712.8	11837.0	12217.2	12951.9	13627.0	12951.9	12305.2	11751.6	11619.7
60°	13032.1	13166.6	13285.6	13846.9	14938.5	15887.8	14917.8	13890.9	13158.8	12980.3
62.5°	14566.0	14739.3	14822.1	15445.5	16718.2	17851.2	16736.3	15492.1	14679.8	14488.4
65°	16037.9	16180.1	16273.3	16938.1	18153.8	19289.4	18236.6	17010.5	16175.0	15924.1
67.5°	16723.4	16801.0	17028.6	17781.3	19064.4	20360.3	19281.7	17861.5	16927.7	16488.0
70°	15719.7	15561.9	16110.3	17315.7	19173.0	21017.4	19421.3	17279.5	16136.2	15422.2
72.5°	12147.4	11875.8	12827.7	14889.4	17931.4	20598.3	18055.5	15005.8	13420.1	11971.5
75°	6609.2	6301.3	7615.4	10222.8	14299.6	17853.8	14628.1	10515.2	8479.4	6560.0
77.5°	1865.0	1748.6	2809.2	4945.9	8601.0	12535.4	8932.1	5054.5	3331.7	1976.3
80°	571.7	553.6	750.2	1490.0	3652.5	6003.9	3510.2	1508.1	954.5	602.7
82.5°	338.9	310.4	372.5	543.2	931.2	1885.7	905.4	566.5	455.3	305.2
85°	194.0	181.1	219.9	263.8	313.0	400.9	261.3	269.0	243.2	163.0
87.5°	80.2	72.4	85.4	82.8	72.4	93.1	69.8	82.8	98.3	64.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4539.8
4524.2
4467.3
4405.2
4376.8
4376.8
4394.9
4428.5
4462.1
4477.7
4493.2
4532.0
4619.9
4757.0
4976.9
5282.2
5662.4
6146.1
6717.8
7369.7
8153.4
9102.8
10238.4
11526.6
12825.1
14333.2
15799.9
16493.1
15593.0
12331.1
6986.8
2196.2
636.3
331.1
170.7
59.5
0.0

OF REPORT)