

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: P846954

Luminaire Tested: **GLAN-SB2D-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16051 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

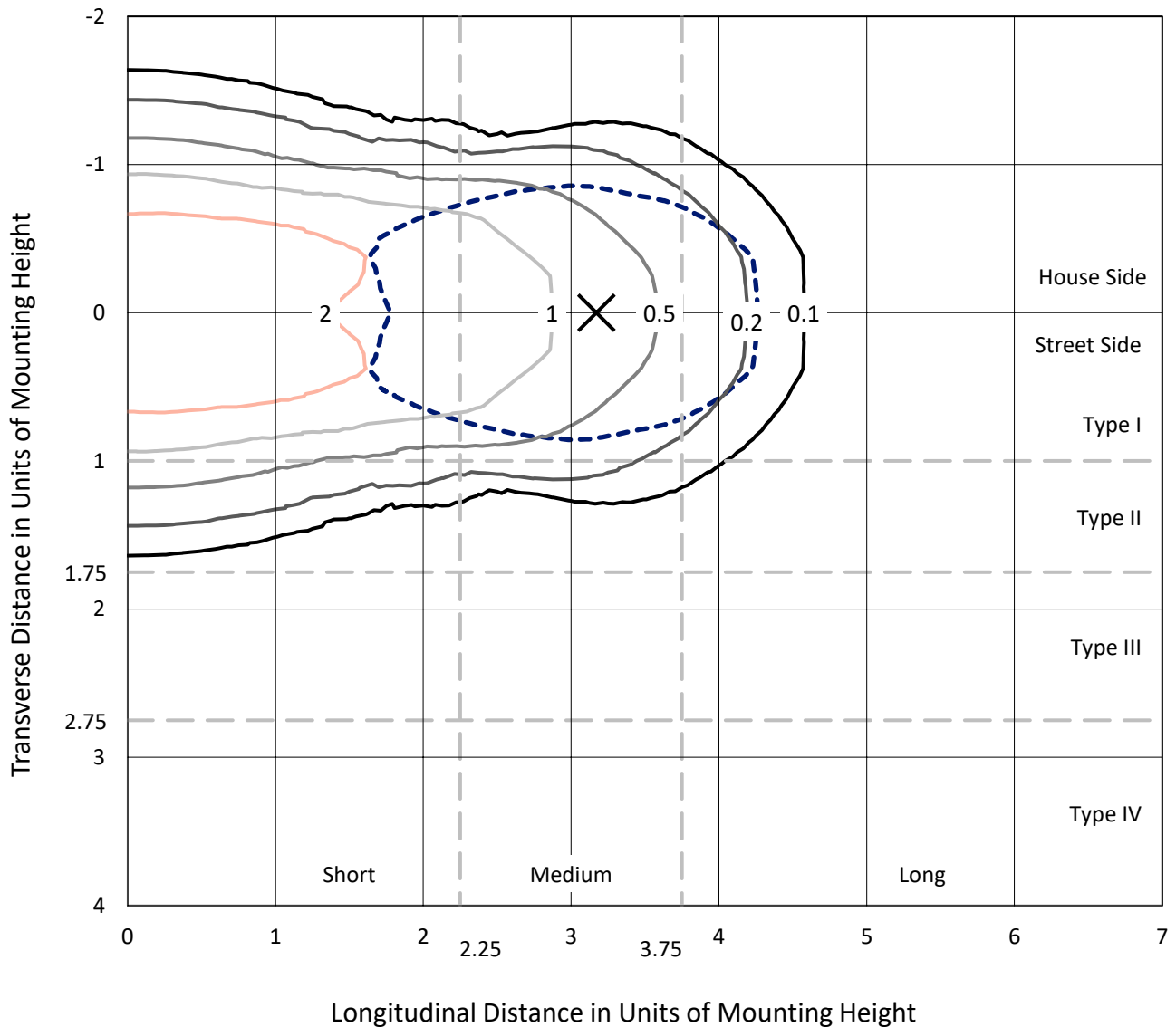
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

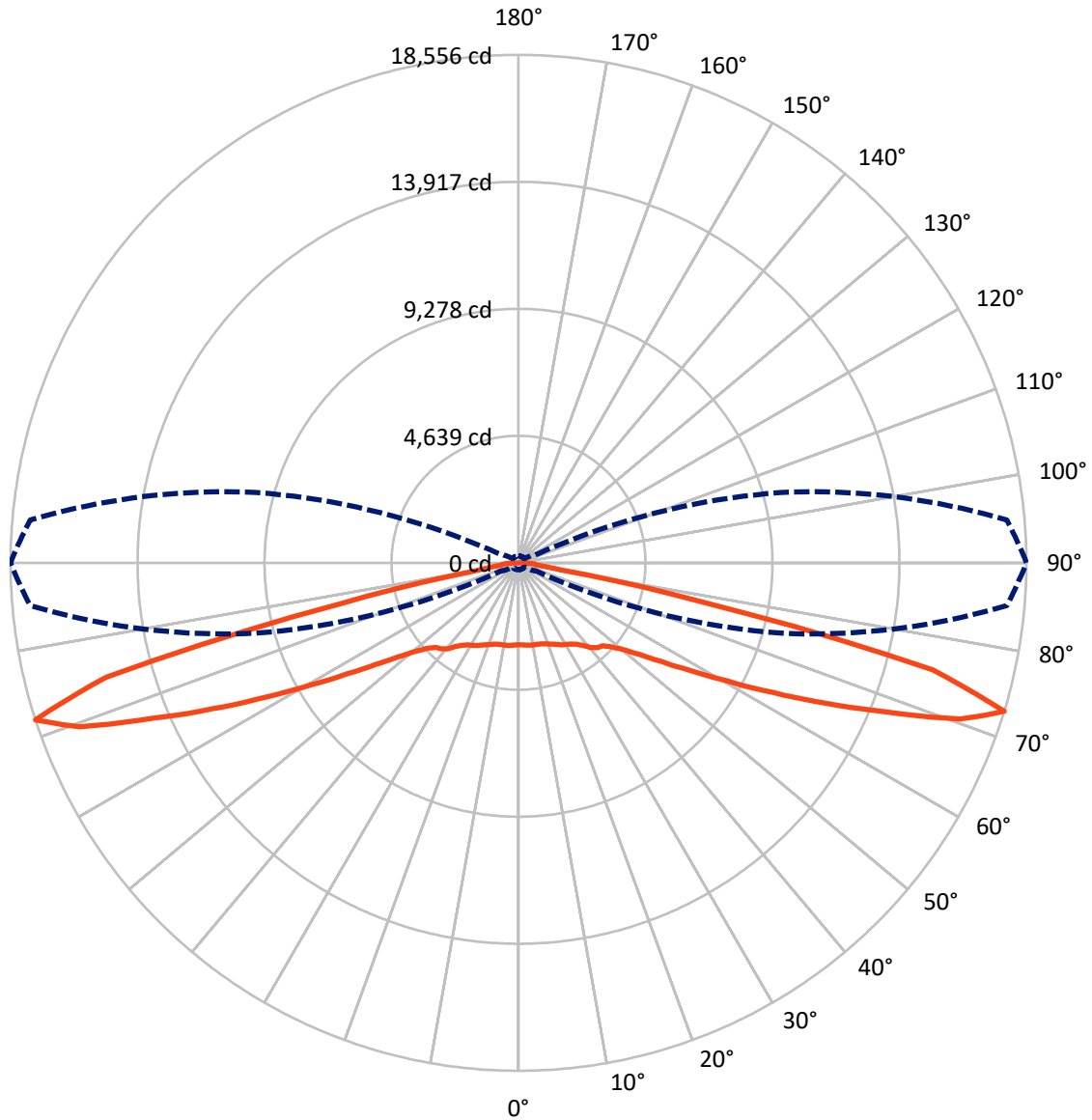
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8025.5	0.0	8025.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8025.5	0.0	8025.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16051.0	0.0	16051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.8	1.8
10°-20°	889.2	5.5
20°-30°	1482.7	9.2
30°-40°	2039.1	12.7
40°-50°	2490.3	15.5
50°-60°	2880.3	17.9
60°-70°	3434.3	21.4
70°-80°	2396.9	14.9
80°-90°	147.2	0.9
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°	16051.0	100.0
0°-180°	16051.0	100.0

Coefficient of Utilization



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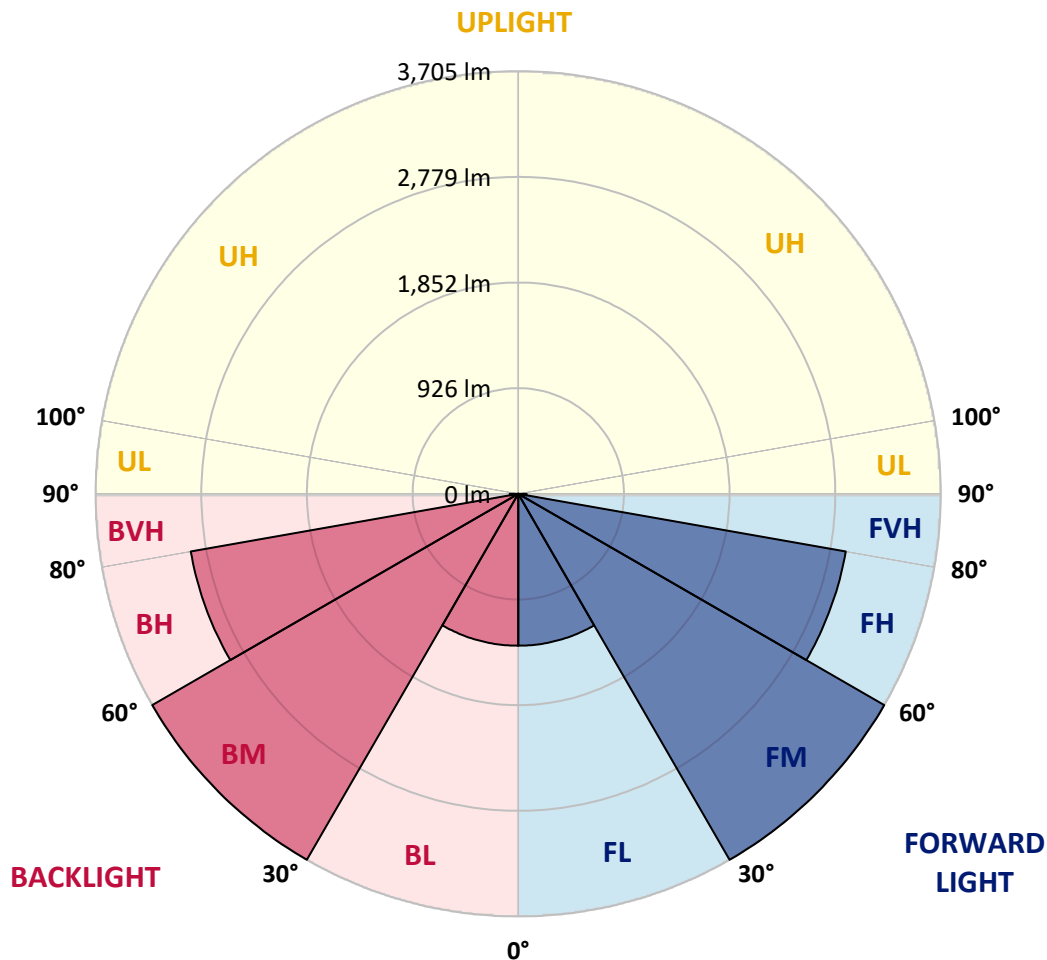
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1331.3	8.3			
FM (30°-60°)	3704.9	23.1			
FH (60°-80°)	2915.6	18.2			G2/5000
FVH (80°-90°)	73.6	0.5			G1/100
BL (0°-30°)	1331.3	8.3	B3/2500		
BM (30°-60°)	3704.9	23.1	B3/5000		
BH (60°-80°)	2915.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	73.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2999.3	2999.3	2999.3	2999.3	2999.3	2999.3	2999.3	2999.3	2999.3	2999.3
2.5°	3001.9	3005.3	3005.3	3002.7	3008.7	3003.6	3003.6	3001.0	3003.6	3001.0
5°	3017.2	3021.5	3023.2	3022.3	3030.0	3025.7	3025.7	3022.3	3023.2	3020.6
7.5°	3046.2	3052.2	3055.6	3059.9	3071.0	3065.8	3062.4	3052.2	3047.9	3041.1
10°	3055.6	3062.4	3073.5	3095.7	3121.3	3122.1	3111.9	3086.3	3066.7	3051.3
12.5°	3026.6	3036.0	3059.0	3104.2	3161.4	3184.4	3168.2	3125.5	3087.2	3059.9
15°	2989.9	3000.2	3035.1	3103.4	3187.8	3241.6	3239.9	3183.6	3122.1	3079.5
17.5°	2932.8	2943.0	2993.3	3088.9	3208.3	3297.0	3320.9	3262.9	3176.7	3119.6
20°	2829.5	2838.9	2908.9	3042.8	3215.1	3355.9	3418.1	3367.0	3259.5	3181.8
22.5°	2695.6	2710.1	2792.0	2963.5	3198.9	3417.3	3529.0	3494.1	3355.9	3248.4
25°	2552.3	2567.7	2663.2	2866.2	3157.1	3461.6	3660.4	3638.2	3465.1	3331.1
27.5°	2428.6	2444.8	2548.9	2769.8	3092.3	3478.7	3790.1	3801.2	3597.3	3422.4
30°	2331.4	2346.7	2457.6	2692.2	3008.7	3461.6	3903.5	3980.3	3732.1	3501.7
32.5°	2224.7	2244.4	2361.2	2597.5	2909.7	3420.7	4002.5	4173.9	3888.2	3587.0
35°	2090.0	2107.9	2230.7	2467.9	2780.1	3355.0	4085.2	4388.9	4111.7	3716.7
37.5°	1926.2	1943.2	2065.2	2305.8	2651.3	3262.9	4148.3	4631.2	4377.8	3903.5
40°	1761.5	1777.7	1892.0	2124.9	2496.9	3145.2	4170.5	4868.3	4683.2	4160.3
42.5°	1610.5	1625.0	1730.0	1946.6	2323.7	2995.0	4141.5	5074.8	4957.0	4339.4
45°	1471.5	1484.3	1577.3	1779.4	2143.7	2812.5	4054.5	5296.5	5282.9	4467.4
47.5°	1312.8	1325.6	1422.0	1617.4	1963.7	2598.4	3906.9	5514.9	5735.9	4757.4
50°	1119.2	1130.3	1229.2	1430.6	1776.9	2370.6	3702.2	5686.4	6307.4	5196.7
52.5°	889.7	901.7	998.1	1199.4	1555.1	2125.8	3432.6	5798.1	6967.7	5838.2
55°	662.0	670.5	754.1	934.9	1280.4	1846.8	3094.8	5829.7	7716.6	6715.2
57.5°	480.3	485.4	539.1	673.9	970.8	1497.9	2684.5	5747.8	8608.1	7839.5
60°	389.0	390.7	406.9	466.6	674.8	1103.8	2188.9	5466.3	9575.4	9288.8
62.5°	353.2	353.2	357.4	373.6	456.4	728.5	1589.2	4882.8	10612.7	11120.3
65°	328.4	328.4	330.1	337.8	360.0	464.1	1003.2	3932.5	11487.1	13265.7
67.5°	306.2	307.1	306.2	308.8	321.6	342.9	581.8	2716.1	11958.0	15488.7
70°	283.2	284.9	280.7	280.7	290.9	291.7	364.2	1489.4	11567.3	17351.7
72.5°	255.9	258.5	251.6	249.9	257.6	254.2	273.8	714.8	9931.1	17907.9
75°	232.0	235.4	220.1	215.8	215.8	213.3	222.6	366.8	6445.6	14608.4
77.5°	210.7	217.5	192.8	179.1	175.7	168.0	181.7	224.4	2819.3	6858.5
80°	174.0	183.4	158.7	142.5	136.5	128.0	143.3	157.0	838.5	1592.6
82.5°	129.7	133.9	112.6	101.5	96.4	90.4	107.5	109.2	273.0	563.9
85°	82.7	84.5	69.1	59.7	57.2	54.6	68.2	59.7	104.1	414.6
87.5°	29.0	33.3	26.4	23.9	25.6	21.3	31.6	17.9	29.0	292.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2999.3
3001.0
3020.6
3041.1
3048.8
3055.6
3072.7
3110.2
3167.3
3228.8
3303.8
3393.4
3459.9
3534.2
3657.8
3825.0
4076.7
4231.9
4322.4
4590.2
4986.9
5579.8
6391.9
7432.6
8776.1
10433.6
12397.3
14551.2
17105.2
18556.2
15625.2
6716.0
1525.2
637.2
602.2
362.5
0.0

OF REPORT)