

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: P848244

Luminaire Tested: **GLAN-SB4D-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848244
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-SB4D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31549 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

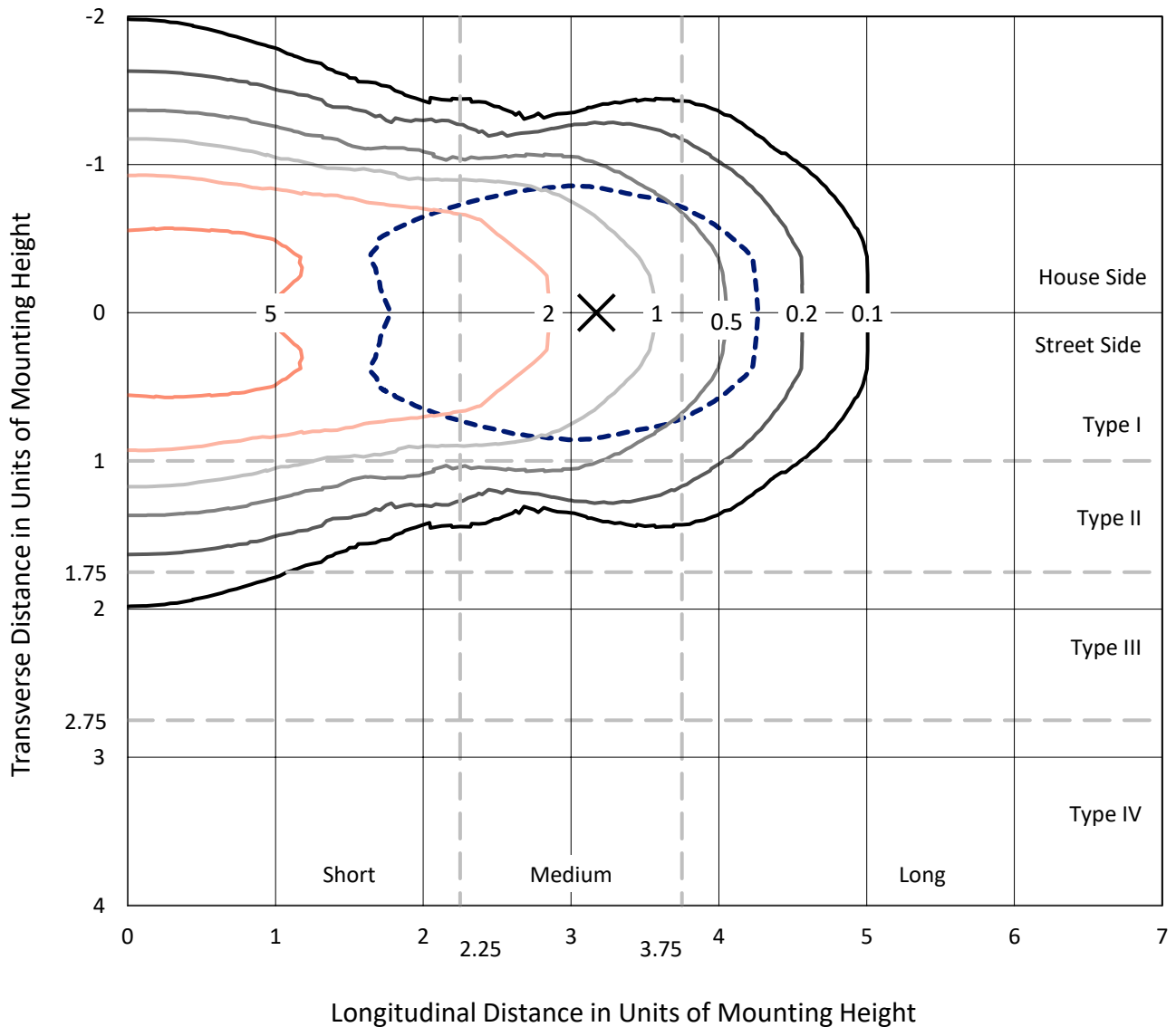
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

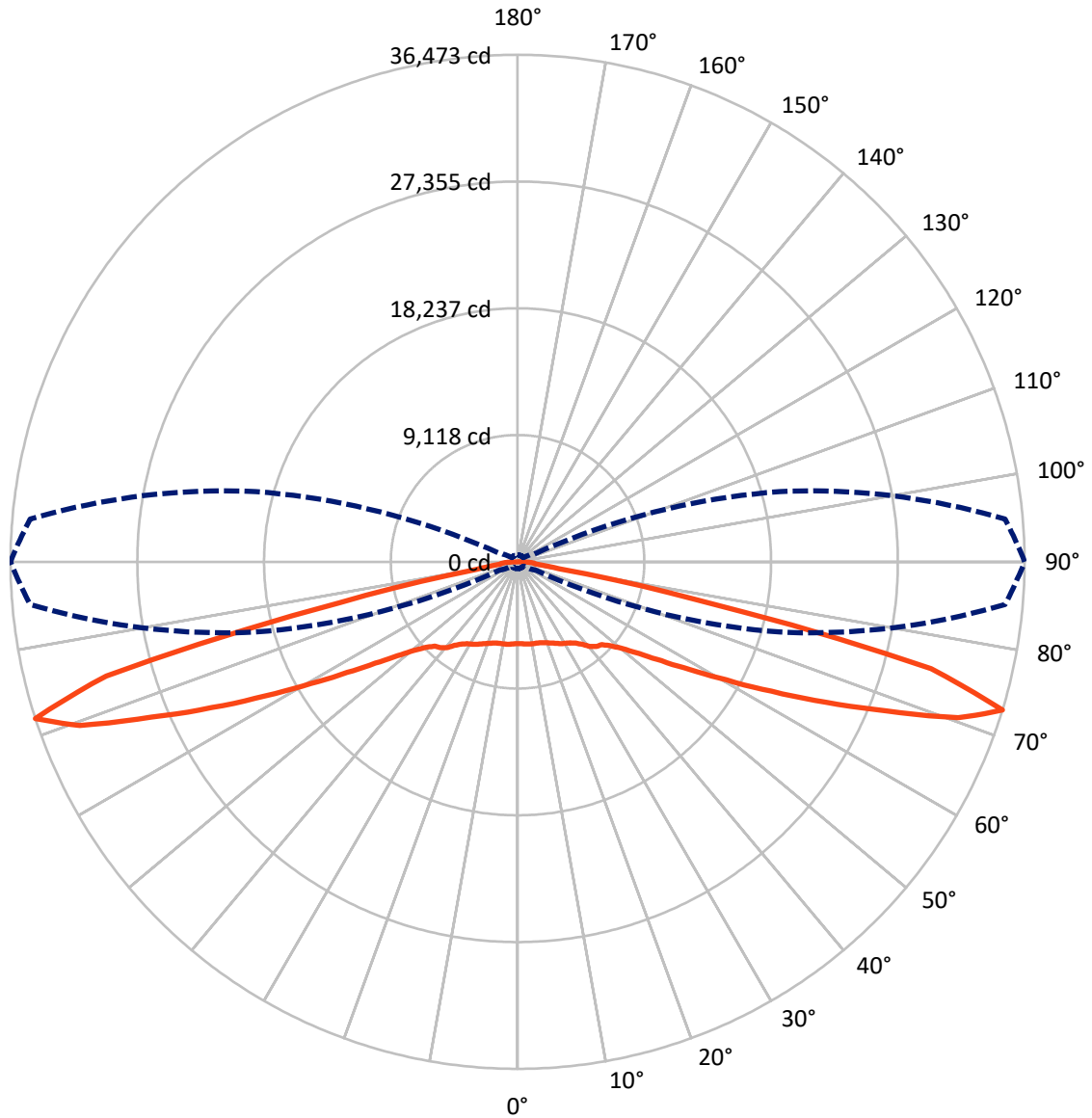
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	15774.5	0.0	15774.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15774.5	0.0	15774.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31549.0	0.0	31549.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.6	1.8
10°-20°	1747.8	5.5
20°-30°	2914.3	9.2
30°-40°	4008.0	12.7
40°-50°	4894.9	15.5
50°-60°	5661.4	17.9
60°-70°	6750.3	21.4
70°-80°	4711.3	14.9
80°-90°	289.4	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°	31549.0	100.0
0°-180°	31549.0	100.0

Coefficient of Utilization

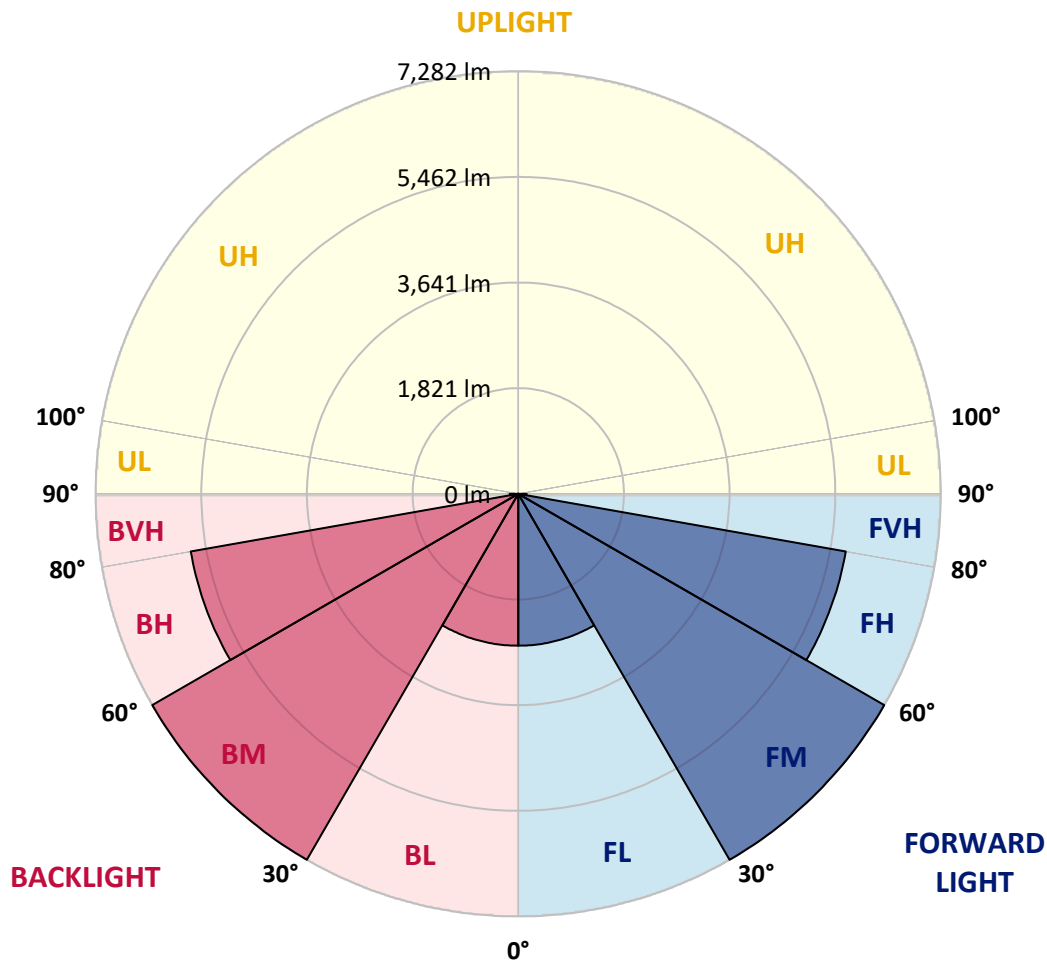


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2616.8	8.3			
FM (30°-60°)	7282.2	23.1			
FH (60°-80°)	5730.8	18.2			G3/7500
FVH (80°-90°)	144.7	0.5			G2/225
BL (0°-30°)	2616.8	8.3	B4/5000		
BM (30°-60°)	7282.2	23.1	B4/8500		
BH (60°-80°)	5730.8	18.2	B5		G5
BVH (80°-90°)	144.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5895.3	5895.3	5895.3	5895.3	5895.3	5895.3	5895.3	5895.3	5895.3	5895.3
2.5°	5900.3	5907.0	5907.0	5902.0	5913.7	5903.6	5903.6	5898.6	5903.6	5898.6
5°	5930.5	5938.9	5942.2	5940.5	5955.6	5947.2	5947.2	5940.5	5942.2	5937.2
7.5°	5987.5	5999.2	6005.9	6014.3	6036.1	6026.0	6019.3	5999.2	5990.8	5977.4
10°	6005.9	6019.3	6041.1	6084.7	6135.0	6136.7	6116.6	6066.3	6027.7	5997.5
12.5°	5948.9	5967.4	6012.6	6101.5	6213.8	6259.1	6227.2	6143.4	6068.0	6014.3
15°	5876.8	5896.9	5965.7	6099.8	6265.8	6371.4	6368.1	6257.4	6136.7	6052.9
17.5°	5764.5	5784.6	5883.5	6071.3	6306.1	6480.4	6527.4	6413.4	6244.0	6131.7
20°	5561.6	5580.0	5717.5	5980.8	6319.5	6596.1	6718.5	6617.9	6406.7	6254.1
22.5°	5298.4	5326.9	5487.8	5824.8	6287.6	6716.8	6936.5	6867.7	6596.1	6384.9
25°	5016.7	5046.9	5234.6	5633.7	6205.5	6804.0	7194.7	7151.1	6810.7	6547.5
27.5°	4773.6	4805.4	5010.0	5444.2	6078.0	6837.6	7449.6	7471.4	7070.6	6726.9
30°	4582.4	4612.6	4830.6	5291.7	5913.7	6804.0	7672.6	7823.5	7335.5	6882.8
32.5°	4372.8	4411.4	4641.1	5105.5	5719.2	6723.6	7867.1	8204.1	7642.4	7050.5
35°	4107.9	4143.1	4384.6	4850.7	5464.4	6594.4	8029.7	8626.6	8081.7	7305.4
37.5°	3786.0	3819.5	4059.3	4532.1	5211.2	6413.4	8153.8	9102.8	8604.8	7672.6
40°	3462.4	3494.2	3718.9	4176.7	4907.7	6182.0	8197.4	9568.9	9205.1	8177.2
42.5°	3165.6	3194.1	3400.3	3826.2	4567.3	5886.9	8140.4	9974.7	9743.3	8529.4
45°	2892.3	2917.5	3100.2	3497.6	4213.5	5528.1	7969.3	10410.6	10383.8	8780.9
47.5°	2580.4	2605.6	2795.1	3179.0	3859.8	5107.2	7679.3	10839.8	11274.1	9350.9
50°	2199.8	2221.6	2416.1	2811.8	3492.6	4659.5	7276.9	11176.9	12397.5	10214.4
52.5°	1748.8	1772.3	1961.7	2357.4	3056.6	4178.3	6747.0	11396.5	13695.3	11475.3
55°	1301.1	1317.9	1482.2	1837.7	2516.7	3630.0	6083.1	11458.5	15167.4	13199.0
57.5°	944.0	954.0	1059.7	1324.6	1908.1	2944.3	5276.6	11297.6	16919.5	15408.8
60°	764.6	767.9	799.8	917.2	1326.3	2169.6	4302.4	10744.3	18820.9	18257.5
62.5°	694.2	694.2	702.5	734.4	897.0	1431.9	3123.7	9597.4	20859.8	21857.4
65°	645.5	645.5	648.9	664.0	707.6	912.1	1971.8	7729.6	22578.4	26074.3
67.5°	601.9	603.6	601.9	607.0	632.1	674.0	1143.5	5338.6	23503.9	30443.8
70°	556.7	560.0	551.6	551.6	571.8	573.4	715.9	2927.5	22736.0	34105.7
72.5°	503.0	508.0	494.6	491.3	506.4	499.7	538.2	1405.1	19520.1	35198.9
75°	456.1	462.8	432.6	424.2	424.2	419.2	437.6	721.0	12669.1	28713.4
77.5°	414.1	427.6	378.9	352.1	345.4	330.3	357.1	441.0	5541.5	13480.6
80°	342.0	360.5	311.9	280.0	268.3	251.5	281.7	308.5	1648.2	3130.4
82.5°	254.9	263.2	221.3	199.5	189.5	177.7	211.3	214.6	536.5	1108.3
85°	162.6	166.0	135.8	117.4	112.3	107.3	134.1	117.4	204.6	814.9
87.5°	57.0	65.4	52.0	46.9	50.3	41.9	62.0	35.2	57.0	575.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5895.3
5898.6
5937.2
5977.4
5992.5
6005.9
6039.5
6113.2
6225.6
6346.3
6493.8
6669.9
6800.7
6946.6
7189.7
7518.3
8012.9
8318.1
8495.8
9022.3
9802.0
10967.3
12563.5
14609.1
17249.9
20507.7
24367.4
28601.1
33621.1
36473.2
30712.0
13200.6
2997.9
1252.5
1183.7
712.6
0.0

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