

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: P850401

Luminaire Tested: **GLAN-SB7D-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850401
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-SB7D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

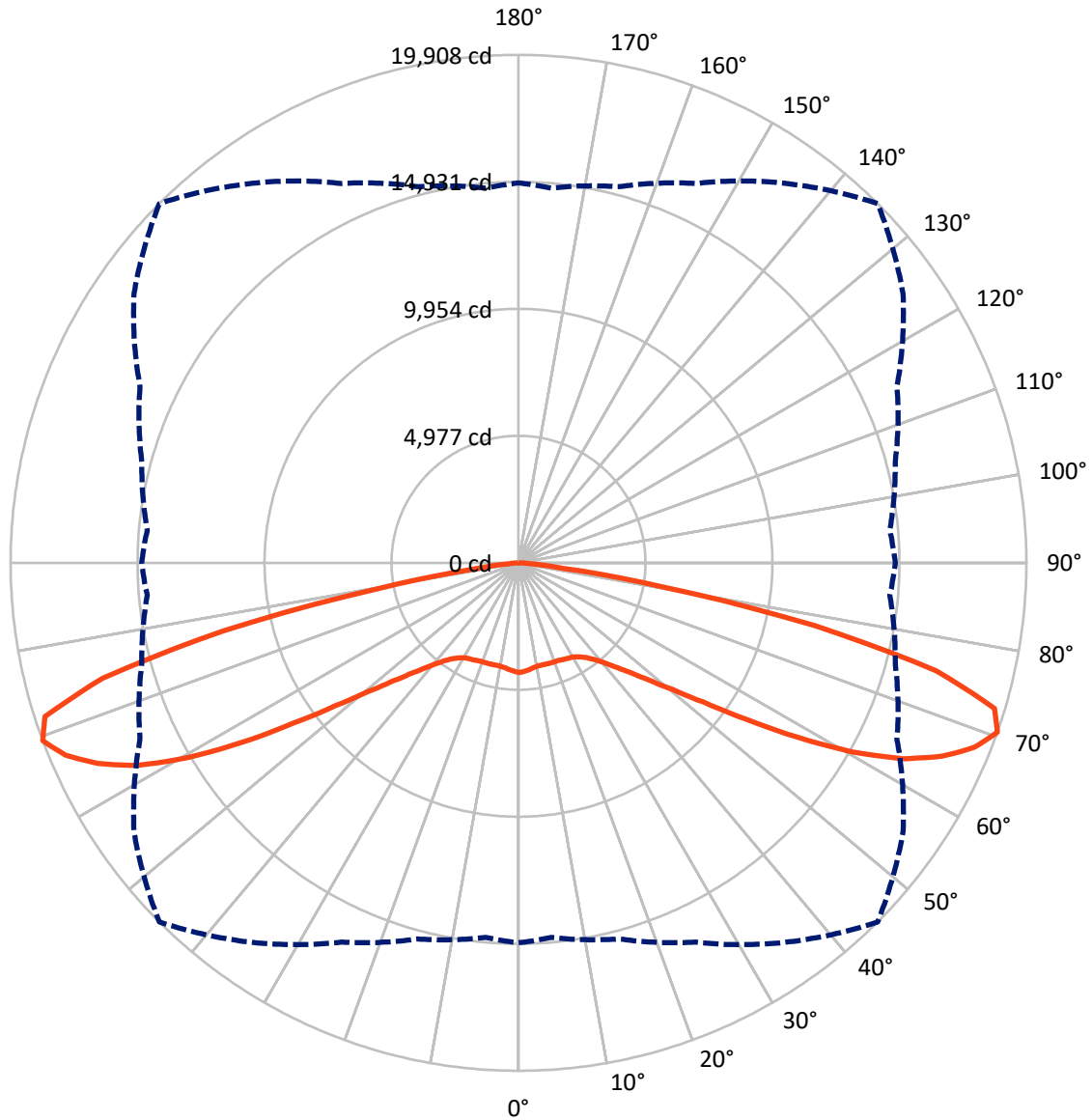
Lumens per Lamp: N/A
Luminaire Lumens: 47140 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 512.8
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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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	23570.0	0.0	23570.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23570.0	0.0	23570.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47140.0	0.0	47140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.0	0.8
10°-20°	1174.5	2.5
20°-30°	1954.6	4.1
30°-40°	2955.9	6.3
40°-50°	4912.1	10.4
50°-60°	9268.9	19.7
60°-70°	15650.9	33.2
70°-80°	10284.3	21.8
80°-90°	538.8	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°	47140.0	100.0
0°-180°	47140.0	100.0

Coefficient of Utilization



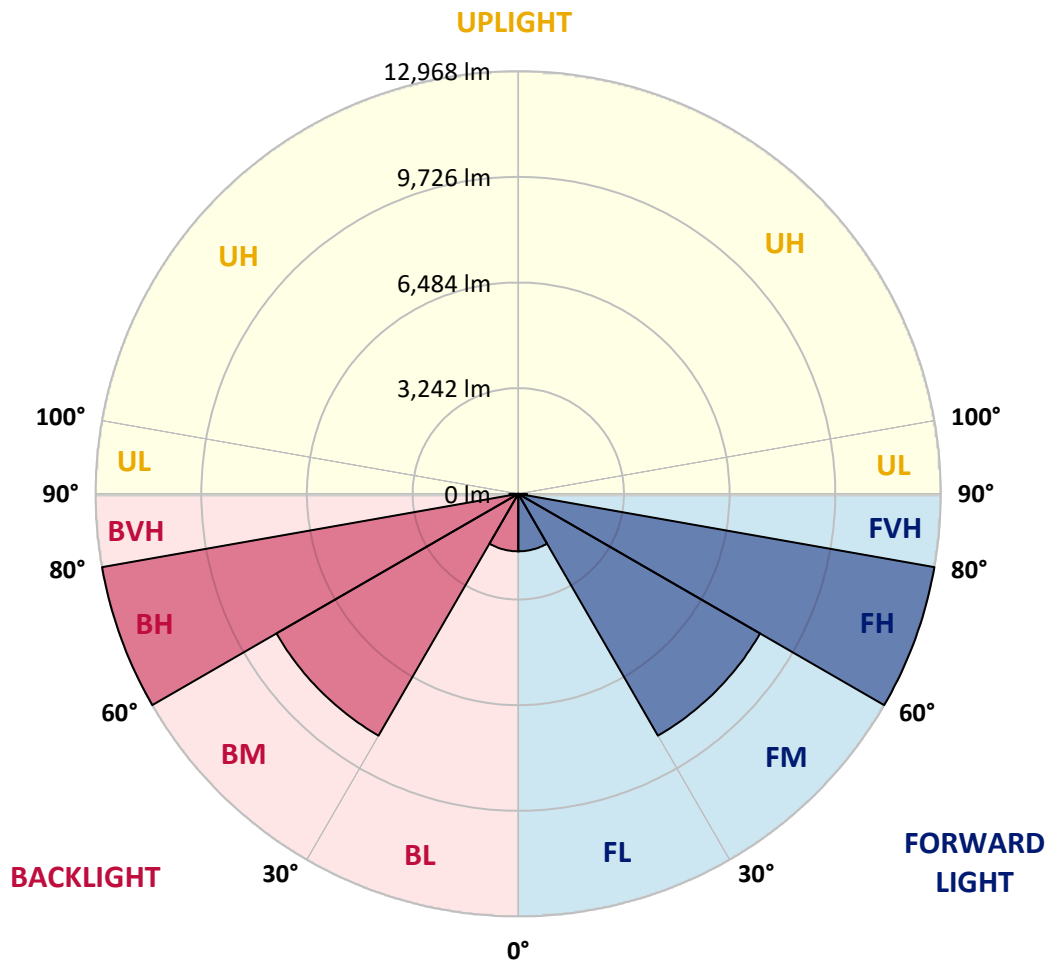
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1764.6	3.7			
FM (30°-60°)	8568.4	18.2			
FH (60°-80°)	12967.6	27.5			G5
FVH (80°-90°)	269.4	0.6			G3/500
BL (0°-30°)	1764.6	3.7	B3/2500		
BM (30°-60°)	8568.4	18.2	B5		
BH (60°-80°)	12967.6	27.5	B5		G5
BVH (80°-90°)	269.4	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°	4300.1	4300.1	4300.1	4300.1	4300.1	4300.1	4300.1	4300.1	4300.1	4300.1
2.5°	4273.2	4285.4	4280.5	4270.7	4270.7	4263.4	4270.7	4275.6	4283.0	4287.9
5°	4216.8	4226.6	4224.2	4216.8	4219.3	4211.9	4216.8	4224.2	4229.1	4231.5
7.5°	4167.8	4177.6	4172.7	4160.5	4160.5	4153.1	4155.6	4162.9	4170.3	4172.7
10°	4155.6	4165.4	4150.7	4131.1	4123.7	4113.9	4116.4	4123.7	4138.4	4145.8
12.5°	4160.5	4167.8	4153.1	4123.7	4116.4	4106.6	4106.6	4113.9	4133.5	4143.3
15°	4175.2	4182.5	4160.5	4128.6	4121.3	4113.9	4111.5	4121.3	4143.3	4160.5
17.5°	4202.1	4209.5	4175.2	4131.1	4121.3	4123.7	4121.3	4128.6	4162.9	4194.8
20°	4226.6	4231.5	4185.0	4131.1	4121.3	4123.7	4121.3	4136.0	4180.1	4224.2
22.5°	4234.0	4238.9	4194.8	4148.2	4140.9	4143.3	4140.9	4155.6	4197.2	4241.3
25°	4236.4	4243.8	4209.5	4172.7	4185.0	4189.9	4185.0	4187.4	4219.3	4258.5
27.5°	4273.2	4283.0	4251.1	4219.3	4226.6	4224.2	4231.5	4238.9	4263.4	4302.6
30°	4349.1	4356.5	4329.5	4297.7	4292.8	4275.6	4297.7	4322.2	4349.1	4383.4
32.5°	4474.1	4488.8	4454.5	4420.2	4398.1	4388.3	4405.5	4447.1	4483.9	4520.6
35°	4682.3	4692.2	4660.3	4596.6	4557.4	4557.4	4572.1	4626.0	4684.8	4731.4
37.5°	4976.4	4988.6	4932.3	4856.3	4797.5	4797.5	4817.1	4873.5	4961.7	5027.8
40°	5334.1	5351.3	5280.2	5201.8	5145.4	5135.6	5160.1	5223.8	5307.2	5390.5
42.5°	5765.3	5784.9	5691.8	5623.2	5579.1	5579.1	5591.4	5650.2	5726.1	5829.0
45°	6316.6	6350.9	6223.5	6154.9	6113.3	6123.1	6130.4	6181.9	6250.5	6368.1
47.5°	6973.3	7007.6	6872.8	6801.8	6794.4	6841.0	6811.6	6848.3	6885.1	7019.8
50°	7718.2	7777.0	7683.9	7679.0	7693.7	7779.4	7710.8	7730.4	7688.8	7774.5
52.5°	8629.6	8715.4	8698.2	8727.6	8891.8	9068.2	8911.4	8842.8	8686.0	8712.9
55°	9734.7	9864.5	9889.0	10065.5	10437.9	10798.1	10464.8	10188.0	9854.7	9793.5
57.5°	10991.6	11094.5	11212.2	11572.3	12268.2	12907.7	12268.2	11655.6	11131.3	11006.3
60°	12344.2	12471.6	12584.3	13116.0	14150.0	15049.2	14130.4	13157.6	12464.2	12295.1
62.5°	13797.1	13961.3	14039.7	14630.2	15835.7	16908.9	15852.9	14674.3	13904.9	13723.6
65°	15191.3	15326.1	15414.3	16044.0	17195.6	18271.2	17274.0	16112.6	15321.2	15083.5
67.5°	15840.6	15914.1	16129.7	16842.7	18058.0	19285.6	18263.9	16918.7	16034.2	15617.6
70°	14889.9	14740.5	15259.9	16401.7	18161.0	19907.9	18396.2	16367.4	15284.4	14608.1
72.5°	11506.2	11248.9	12150.6	14103.4	16984.9	19511.0	17102.5	14213.7	12711.7	11339.6
75°	6260.3	5968.7	7213.4	9683.2	13544.8	16911.3	13855.9	9960.1	8031.8	6213.7
77.5°	1766.6	1656.3	2660.9	4684.8	8146.9	11873.7	8460.6	4787.7	3155.9	1872.0
80°	541.5	524.3	710.6	1411.3	3459.7	5686.9	3324.9	1428.5	904.1	570.9
82.5°	321.0	294.0	352.8	514.5	882.1	1786.2	857.6	536.6	431.2	289.1
85°	183.8	171.5	208.3	249.9	296.5	379.8	247.5	254.8	230.3	154.4
87.5°	76.0	68.6	80.9	78.4	68.6	88.2	66.2	78.4	93.1	61.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4300.1
4285.4
4231.5
4172.7
4145.8
4145.8
4162.9
4194.8
4226.6
4241.3
4256.0
4292.8
4376.1
4505.9
4714.2
5003.3
5363.5
5821.7
6363.2
6980.6
7723.1
8622.3
9697.9
10918.1
12148.1
13576.6
14965.9
15622.5
14769.9
11680.1
6618.0
2080.2
602.8
313.6
161.7
56.4
0.0

OF REPORT)