

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: P851724

Luminaire Tested: **GLAN-SB9D-830-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851724  
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-SB9D-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 78731 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

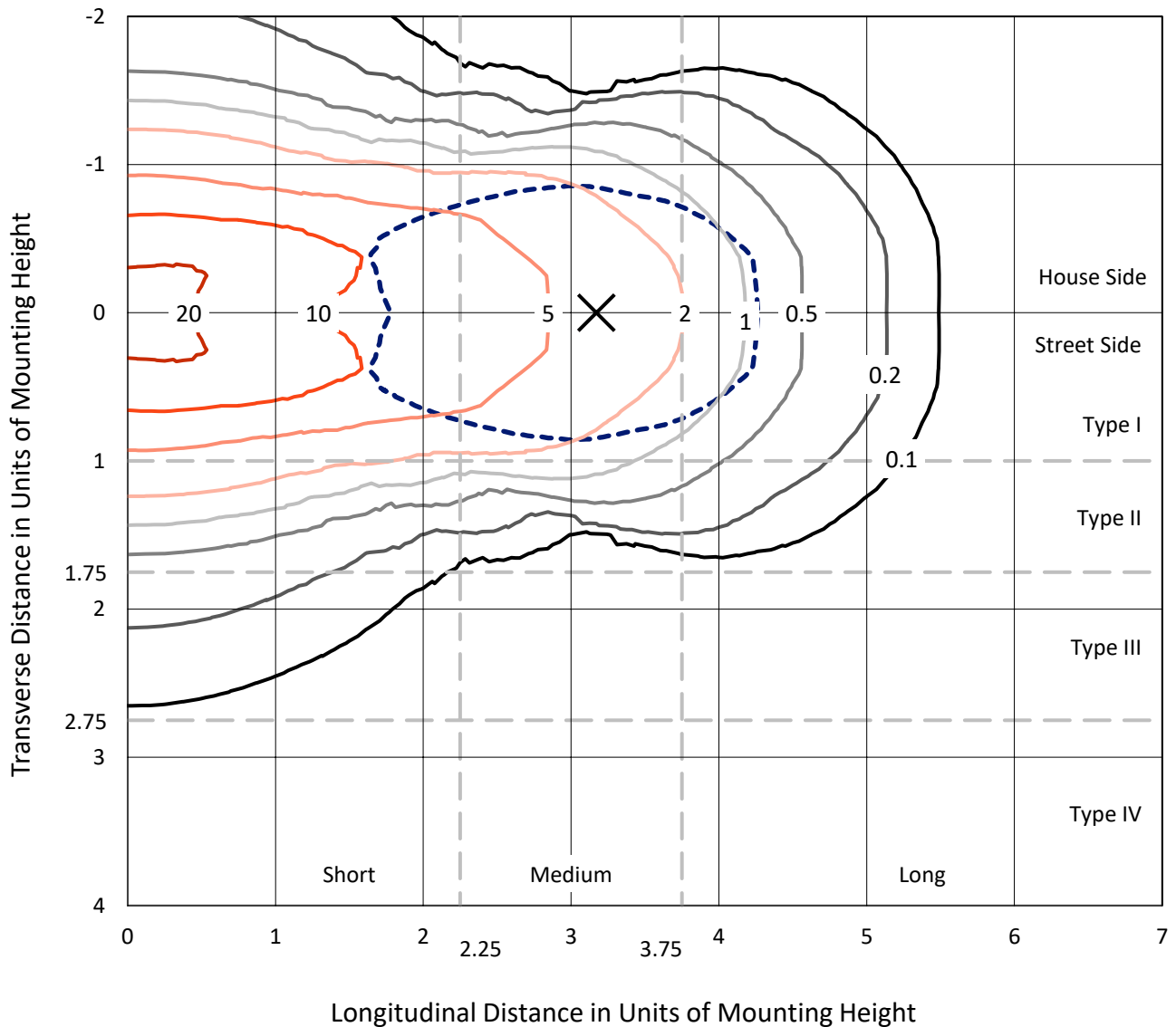
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

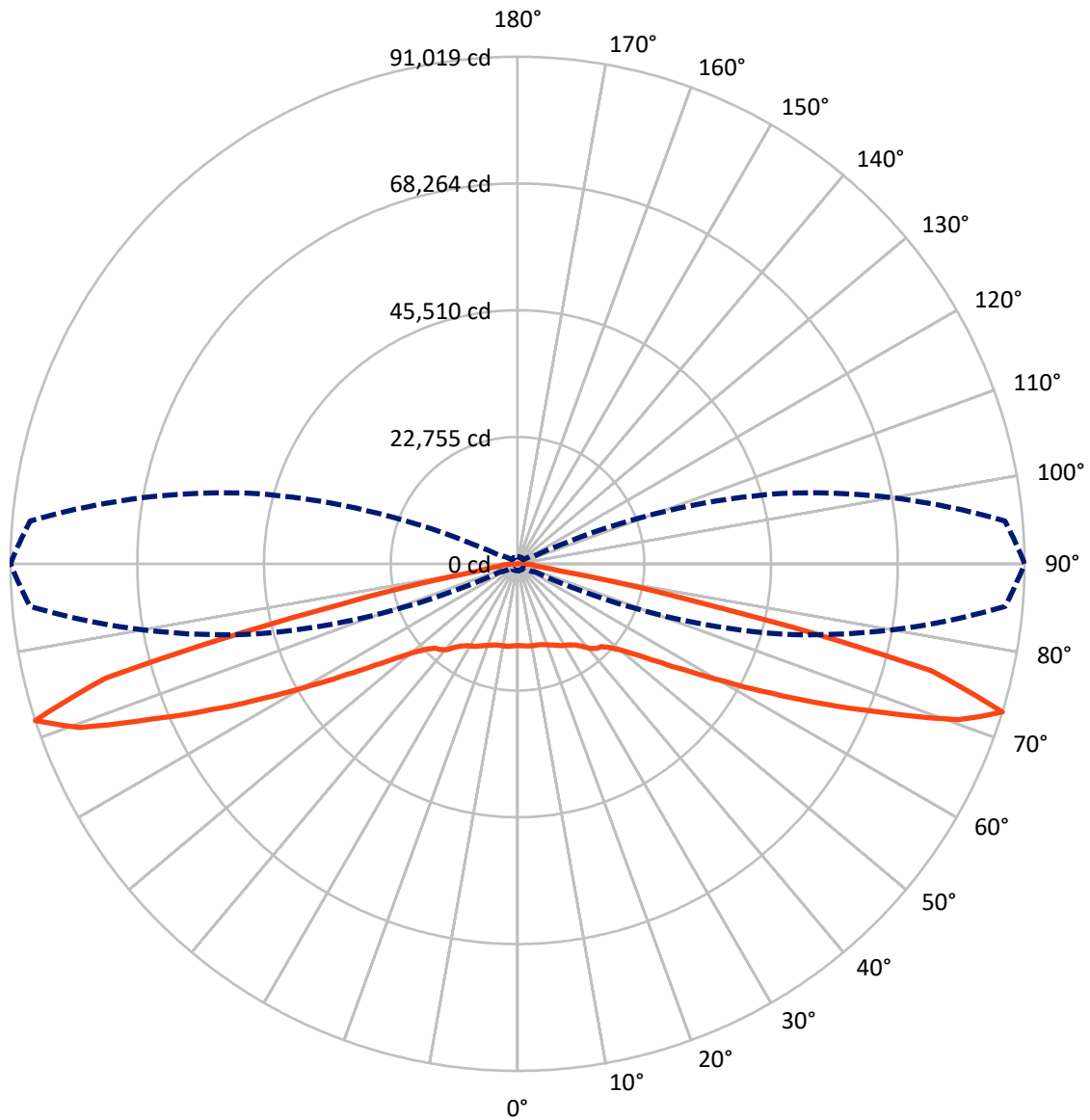
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.5 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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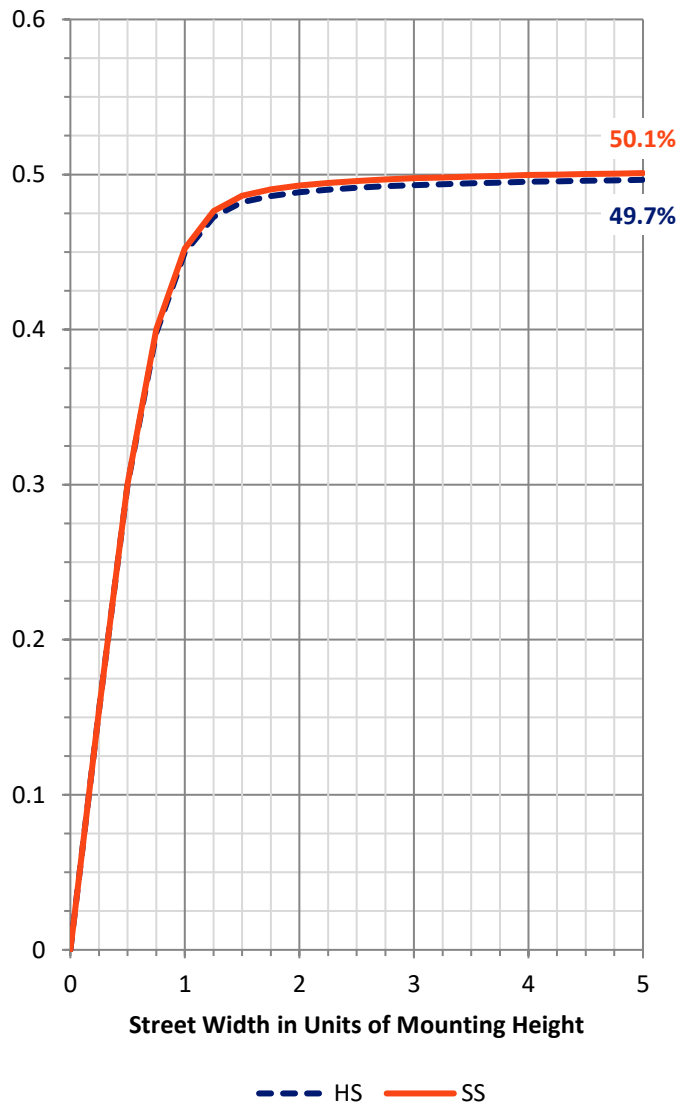
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	39365.5	0.0	39365.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	39365.5	0.0	39365.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	78731.0	0.0	78731.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1426.5	1.8
10°-20°	4361.6	5.5
20°-30°	7272.6	9.2
30°-40°	10002.1	12.7
40°-50°	12215.2	15.5
50°-60°	14128.2	17.9
60°-70°	16845.6	21.4
70°-80°	11757.1	14.9
80°-90°	722.1	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°	78731.0	100.0
0°-180°	78731.0	100.0

**Coefficient of Utilization**



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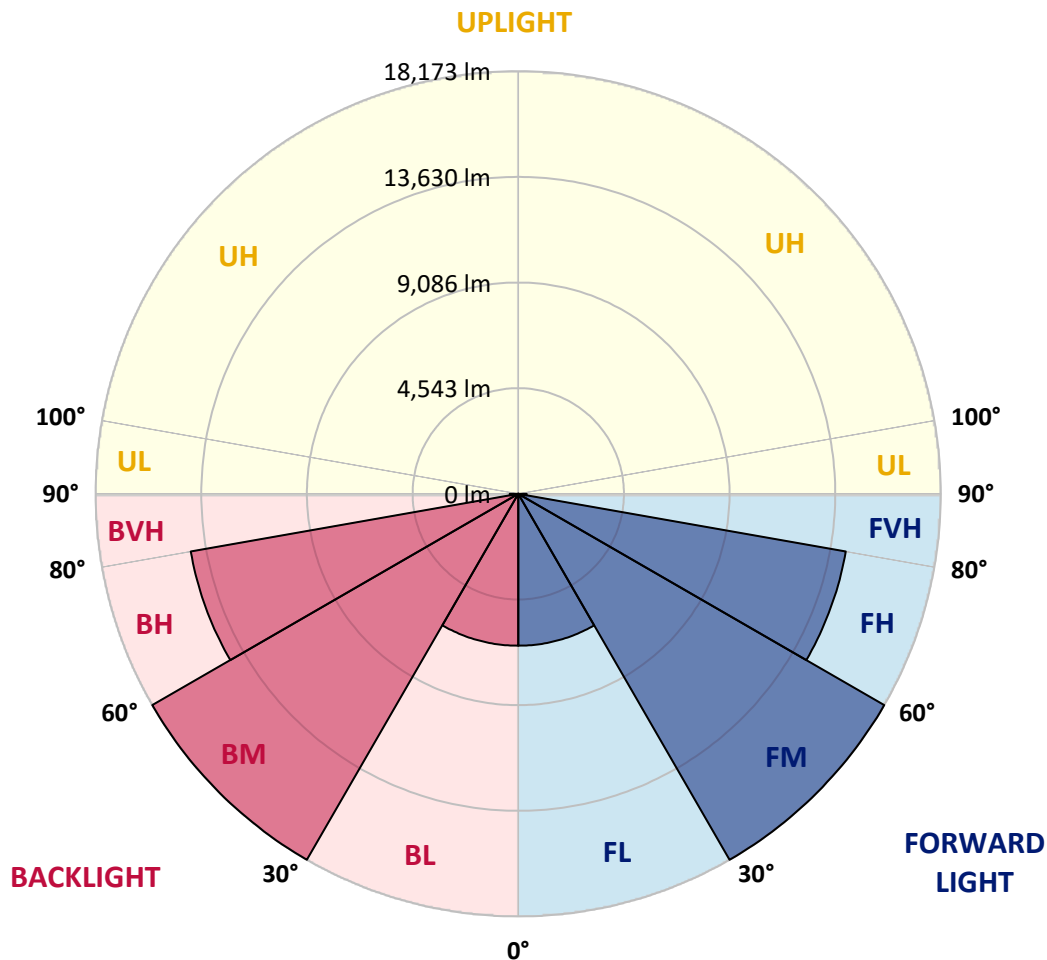
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6530.3	8.3			
FM	(30°-60°)	18172.8	23.1			
FH	(60°-80°)	14301.3	18.2			G5
FVH	(80°-90°)	361.1	0.5			G3/500
BL	(0°-30°)	6530.3	8.3	B5		
BM	(30°-60°)	18172.8	23.1	B5		
BH	(60°-80°)	14301.3	18.2	B5		G5
BVH	(80°-90°)	361.1	0.5			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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14711.7	14711.7	14711.7	14711.7	14711.7	14711.7	14711.7	14711.7	14711.7	14711.7
2.5°	14724.3	14741.0	14741.0	14728.5	14757.7	14732.6	14732.6	14720.1	14732.6	14720.1
5°	14799.6	14820.5	14828.9	14824.7	14862.4	14841.4	14841.4	14824.7	14828.9	14816.3
7.5°	14941.9	14971.1	14987.9	15008.8	15063.2	15038.1	15021.4	14971.1	14950.2	14916.7
10°	14987.9	15021.4	15075.7	15184.5	15310.1	15314.2	15264.0	15138.5	15042.3	14967.0
12.5°	14845.6	14891.6	15004.6	15226.4	15506.7	15619.7	15540.2	15331.0	15142.7	15008.8
15°	14665.7	14715.9	14887.5	15222.2	15636.4	15900.0	15891.7	15615.5	15314.2	15105.0
17.5°	14385.3	14435.6	14682.4	15151.1	15736.9	16172.0	16289.2	16004.6	15582.0	15301.7
20°	13879.1	13925.1	14268.2	14925.1	15770.3	16460.7	16766.2	16515.1	15987.9	15607.1
22.5°	13222.1	13293.3	13695.0	14536.0	15690.8	16762.0	17310.1	17138.6	16460.7	15933.5
25°	12519.2	12594.5	13063.1	14059.0	15485.8	16979.6	17954.5	17845.7	16996.3	16339.4
27.5°	11912.5	11992.0	12502.5	13586.2	15167.8	17063.3	18590.5	18644.9	17644.9	16787.1
30°	11435.5	11510.8	12054.7	13205.4	14757.7	16979.6	19147.0	19523.6	18306.0	17176.2
32.5°	10912.4	11008.7	11581.9	12741.0	14272.4	16778.7	19632.4	20473.4	19071.7	17594.6
35°	10251.3	10339.2	10941.7	12104.9	13636.4	16456.5	20038.2	21527.8	20167.9	18230.6
37.5°	9448.0	9531.7	10130.0	11309.9	13004.6	16004.6	20347.9	22716.1	21473.4	19147.0
40°	8640.4	8719.9	9280.6	10422.9	12247.2	15427.2	20456.7	23879.3	22971.4	20406.4
42.5°	7899.8	7970.9	8485.6	9548.4	11397.8	14690.8	20314.4	24891.9	24314.5	21285.1
45°	7217.8	7280.5	7736.6	8728.3	10514.9	13795.4	19887.6	25979.8	25912.9	21912.8
47.5°	6439.5	6502.3	6975.1	7933.3	9632.1	12745.1	19163.7	27051.0	28134.7	23335.4
50°	5489.7	5544.1	6029.5	7016.9	8715.7	11627.9	18159.5	27892.0	30938.1	25490.3
52.5°	4364.1	4422.7	4895.5	5883.0	7627.8	10427.1	16837.3	28440.1	34176.7	28636.8
55°	3247.0	3288.8	3698.9	4585.9	6280.5	9058.8	15180.4	28595.0	37850.5	32938.2
57.5°	2355.7	2380.8	2644.4	3305.5	4761.6	7347.5	13167.7	28193.3	42223.0	38453.0
60°	1908.0	1916.4	1995.9	2288.8	3309.7	5414.4	10736.7	26812.5	46967.9	45562.0
62.5°	1732.3	1732.3	1753.2	1832.7	2238.6	3573.3	7795.2	23950.5	52055.9	54545.5
65°	1610.9	1610.9	1619.3	1657.0	1765.7	2276.2	4920.6	19289.3	56344.7	65068.8
67.5°	1502.1	1506.3	1502.1	1514.7	1577.5	1682.1	2853.6	13322.6	58654.4	75972.9
70°	1389.2	1397.5	1376.6	1376.6	1426.8	1431.0	1786.7	7305.6	56738.0	85111.2
72.5°	1255.3	1267.8	1234.3	1226.0	1263.6	1246.9	1343.1	3506.4	48712.7	87839.3
75°	1138.1	1154.8	1079.5	1058.6	1058.6	1046.1	1092.1	1799.2	31616.0	71654.8
77.5°	1033.5	1067.0	945.6	878.7	861.9	824.3	891.2	1100.4	13828.8	33641.1
80°	853.6	899.6	778.3	698.8	669.5	627.6	702.9	769.9	4113.1	7811.9
82.5°	636.0	656.9	552.3	497.9	472.8	443.5	527.2	535.6	1339.0	2765.8
85°	405.9	414.2	338.9	292.9	280.3	267.8	334.7	292.9	510.5	2033.5
87.5°	142.3	163.2	129.7	117.2	125.5	104.6	154.8	87.9	142.3	1435.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

14711.7  
14720.1  
14816.3  
14916.7  
14954.4  
14987.9  
15071.6  
15255.7  
15536.0  
15837.3  
16205.5  
16644.8  
16971.2  
17335.2  
17941.9  
18762.0  
19996.4  
20757.9  
21201.4  
22515.3  
24461.0  
27369.0  
31352.4  
36457.1  
43047.3  
51177.2  
60809.3  
71374.4  
83902.0  
91019.3  
76642.4  
32942.4  
7481.4  
3125.6  
2954.1  
1778.3  
0.0

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