

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: P847674

Luminaire Tested: **GLAN-SB3D-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847674  
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-SB3D-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25935 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

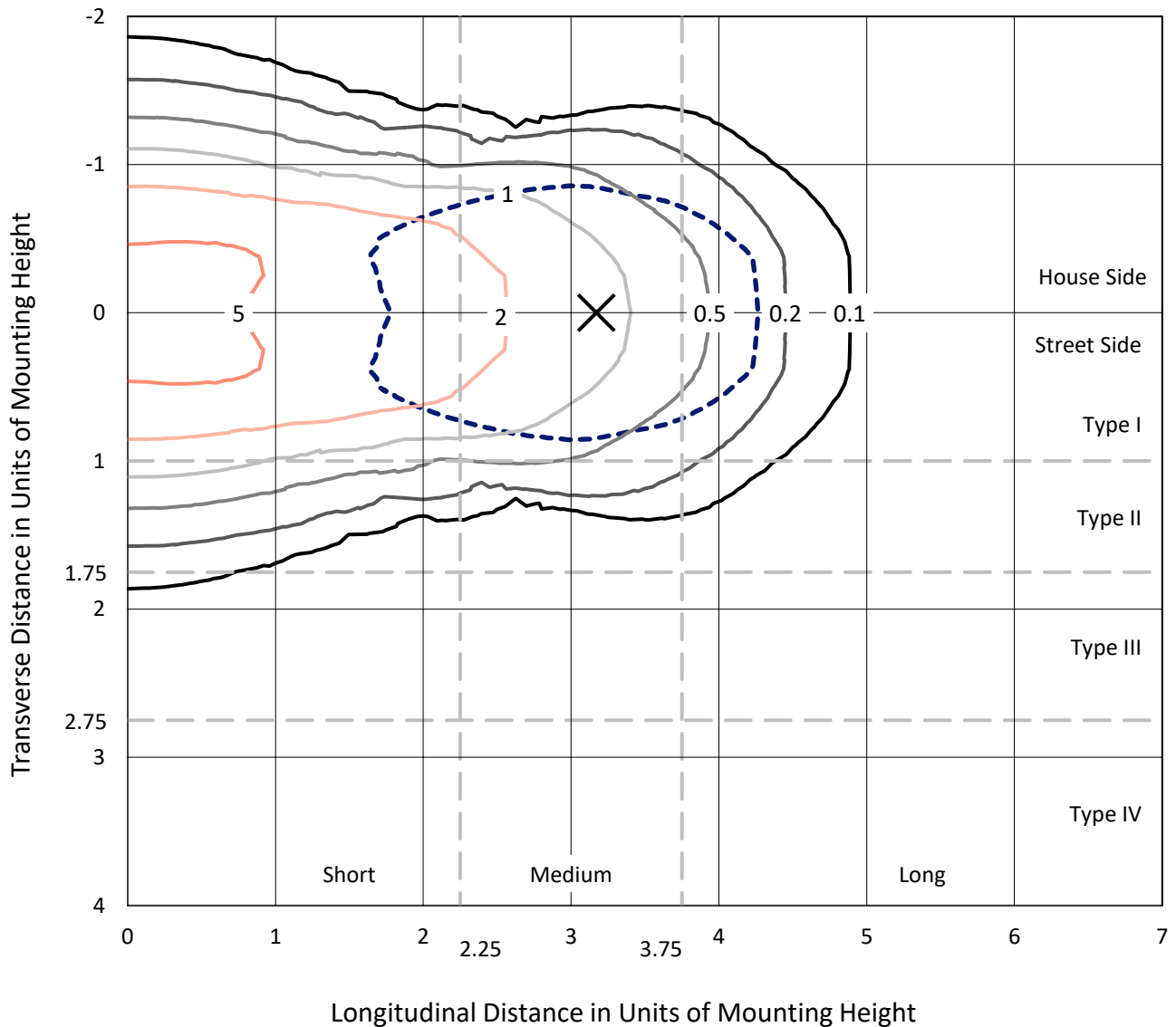
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

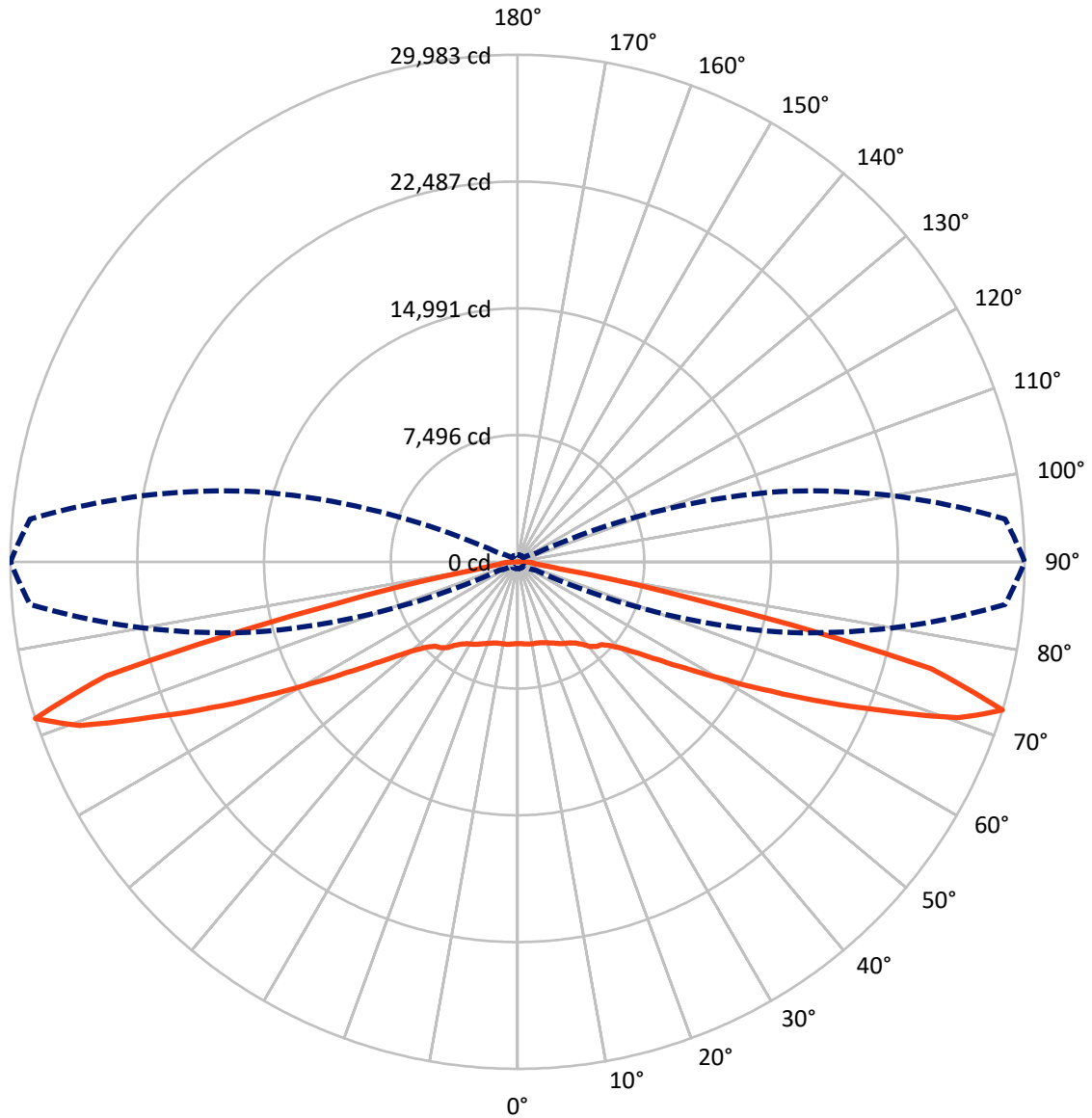
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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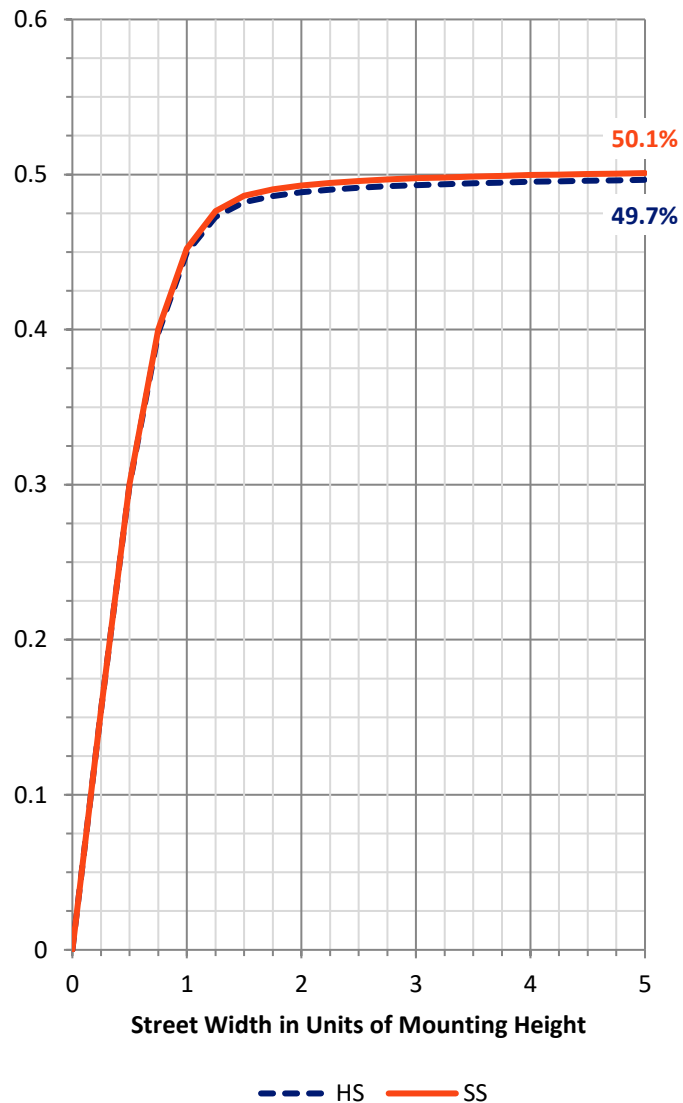
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12967.5	0.0	12967.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12967.5	0.0	12967.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25935.0	0.0	25935.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.9	1.8
10°-20°	1436.8	5.5
20°-30°	2395.7	9.2
30°-40°	3294.8	12.7
40°-50°	4023.9	15.5
50°-60°	4654.0	17.9
60°-70°	5549.1	21.4
70°-80°	3872.9	14.9
80°-90°	237.9	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°	25935.0	100.0
0°-180°	25935.0	100.0

**Coefficient of Utilization**



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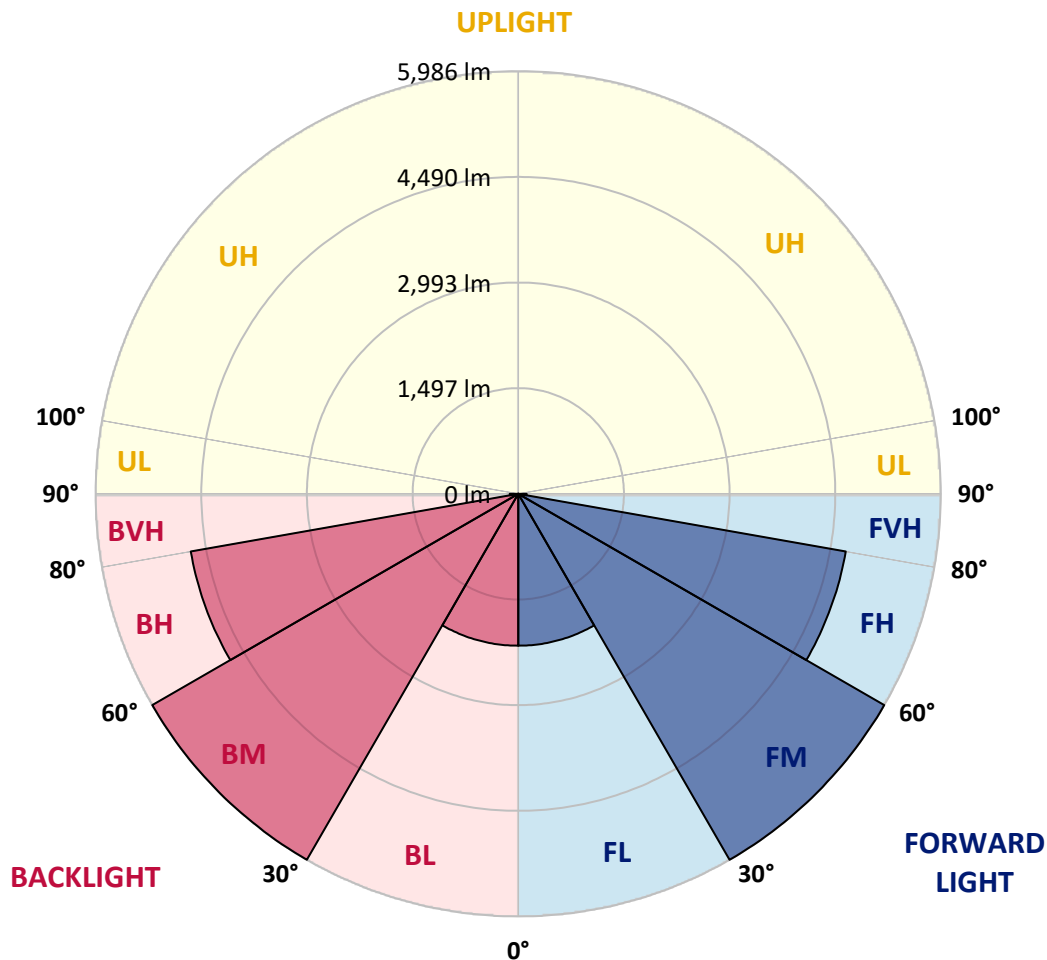
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2151.2	8.3			
FM (30°-60°)	5986.3	23.1			
FH (60°-80°)	4711.0	18.2			G2/5000
FVH (80°-90°)	118.9	0.5			G2/225
BL (0°-30°)	2151.2	8.3	B3/2500		
BM (30°-60°)	5986.3	23.1	B4/8500		
BH (60°-80°)	4711.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	118.9	0.5			G2/225
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°	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2
2.5°	4850.4	4855.9	4855.9	4851.7	4861.4	4853.1	4853.1	4849.0	4853.1	4849.0
5°	4875.2	4882.1	4884.8	4883.4	4895.8	4889.0	4889.0	4883.4	4884.8	4880.7
7.5°	4922.0	4931.7	4937.2	4944.1	4962.0	4953.7	4948.2	4931.7	4924.8	4913.8
10°	4937.2	4948.2	4966.1	5002.0	5043.3	5044.7	5028.2	4986.8	4955.1	4930.3
12.5°	4890.3	4905.5	4942.7	5015.8	5108.1	5145.3	5119.1	5050.2	4988.2	4944.1
15°	4831.1	4847.6	4904.1	5014.4	5150.8	5237.7	5234.9	5143.9	5044.7	4975.8
17.5°	4738.7	4755.3	4836.6	4991.0	5183.9	5327.3	5365.9	5272.1	5132.9	5040.6
20°	4571.9	4587.1	4700.1	4916.5	5194.9	5422.4	5523.0	5440.3	5266.6	5141.2
22.5°	4355.5	4379.0	4511.3	4788.3	5168.8	5521.6	5702.2	5645.7	5422.4	5248.7
25°	4124.0	4148.8	4303.2	4631.2	5101.2	5593.3	5914.4	5878.6	5598.8	5382.4
27.5°	3924.1	3950.3	4118.5	4475.5	4996.5	5620.9	6123.9	6141.9	5812.4	5529.9
30°	3767.0	3791.8	3971.0	4350.0	4861.4	5593.3	6307.3	6431.3	6030.2	5658.1
32.5°	3594.7	3626.4	3815.2	4197.0	4701.5	5527.1	6467.2	6744.2	6282.5	5795.9
35°	3376.9	3405.9	3604.3	3987.5	4492.0	5421.0	6600.8	7091.5	6643.6	6005.4
37.5°	3112.3	3139.8	3337.0	3725.6	4283.9	5272.1	6702.8	7483.0	7073.6	6307.3
40°	2846.3	2872.5	3057.1	3433.4	4034.4	5081.9	6738.7	7866.2	7567.1	6722.1
42.5°	2602.3	2625.7	2795.3	3145.4	3754.6	4839.3	6691.8	8199.7	8009.5	7011.6
45°	2377.6	2398.3	2548.5	2875.2	3463.8	4544.4	6551.2	8558.1	8536.0	7218.3
47.5°	2121.3	2141.9	2297.7	2613.3	3172.9	4198.4	6312.8	8910.9	9267.9	7687.0
50°	1808.4	1826.3	1986.2	2311.5	2871.1	3830.4	5982.0	9188.0	10191.4	8396.8
52.5°	1437.6	1456.9	1612.7	1937.9	2512.7	3434.8	5546.4	9368.5	11258.2	9433.3
55°	1069.6	1083.4	1218.4	1510.7	2068.9	2984.1	5000.6	9419.5	12468.4	10850.3
57.5°	776.0	784.3	871.1	1088.9	1568.5	2420.4	4337.6	9287.2	13908.8	12666.9
60°	628.5	631.3	657.5	753.9	1090.3	1783.6	3536.8	8832.4	15471.8	15008.7
62.5°	570.6	570.6	577.5	603.7	737.4	1177.1	2567.8	7889.6	17147.9	17968.0
65°	530.7	530.7	533.4	545.8	581.7	749.8	1620.9	6354.1	18560.7	21434.5
67.5°	494.8	496.2	494.8	499.0	519.6	554.1	940.0	4388.6	19321.5	25026.4
70°	457.6	460.4	453.5	453.5	470.0	471.4	588.5	2406.6	18690.2	28036.7
72.5°	413.5	417.6	406.6	403.9	416.3	410.7	442.4	1155.0	16046.6	28935.4
75°	374.9	380.4	355.6	348.7	348.7	344.6	359.7	592.7	10414.7	23604.0
77.5°	340.4	351.5	311.5	289.5	283.9	271.5	293.6	362.5	4555.4	11081.8
80°	281.2	296.3	256.4	230.2	220.5	206.8	231.6	253.6	1354.9	2573.4
82.5°	209.5	216.4	181.9	164.0	155.8	146.1	173.7	176.4	441.1	911.1
85°	133.7	136.5	111.6	96.5	92.3	88.2	110.3	96.5	168.2	669.9
87.5°	46.9	53.8	42.7	38.6	41.4	34.5	51.0	28.9	46.9	472.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4846.2  
4849.0  
4880.7  
4913.8  
4926.2  
4937.2  
4964.8  
5025.4  
5117.8  
5217.0  
5338.3  
5483.0  
5590.5  
5710.4  
5910.3  
6180.5  
6587.1  
6837.9  
6984.0  
7416.8  
8057.8  
9015.7  
10327.9  
12009.4  
14180.3  
16858.4  
20031.4  
23511.7  
27638.4  
29982.9  
25247.0  
10851.6  
2464.5  
1029.6  
973.1  
585.8  
0.0

OF REPORT)