

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: P846641

Luminaire Tested: **GLAN-SB2B-840-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846641  
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-SB2B-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10130 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

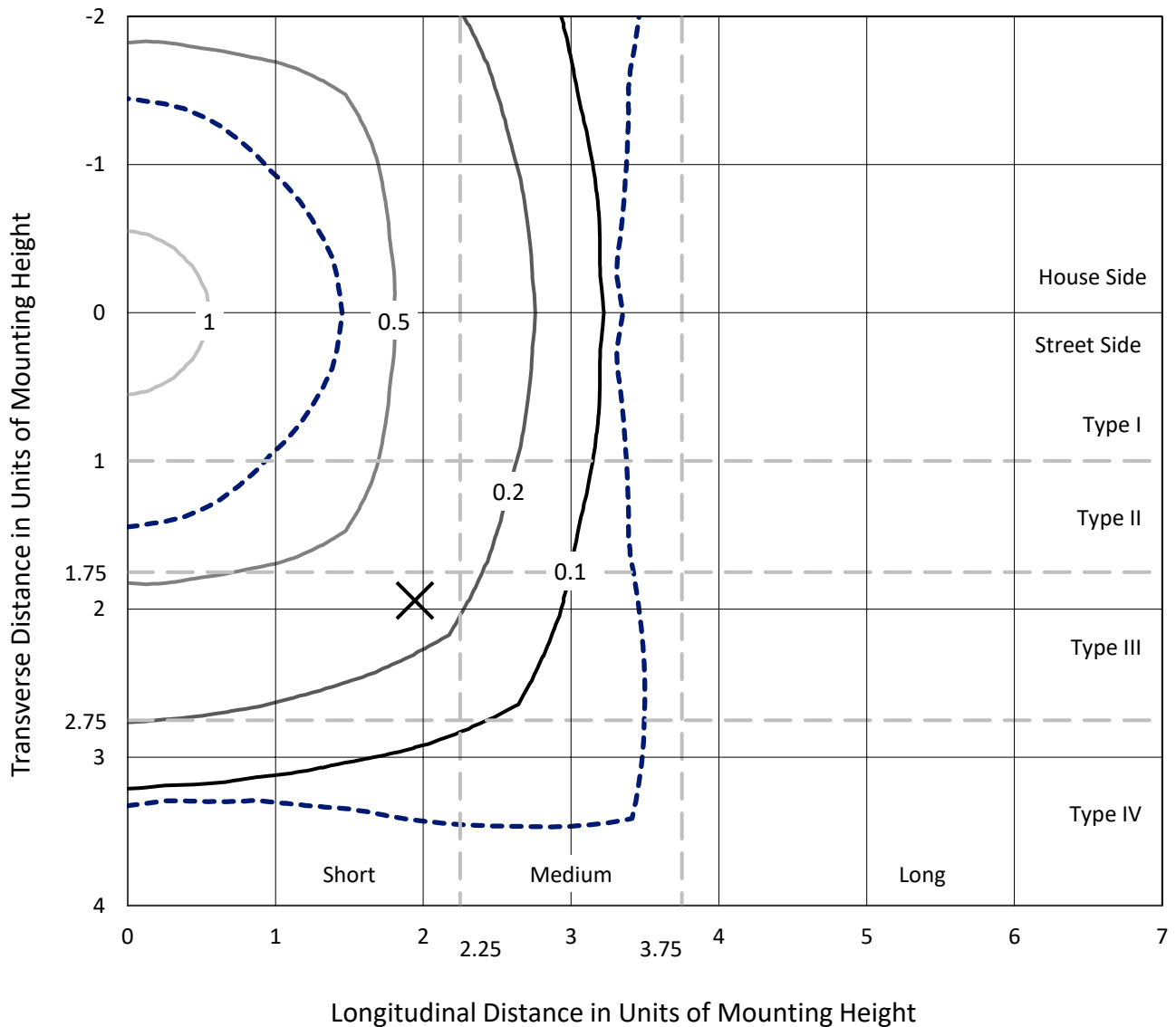
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

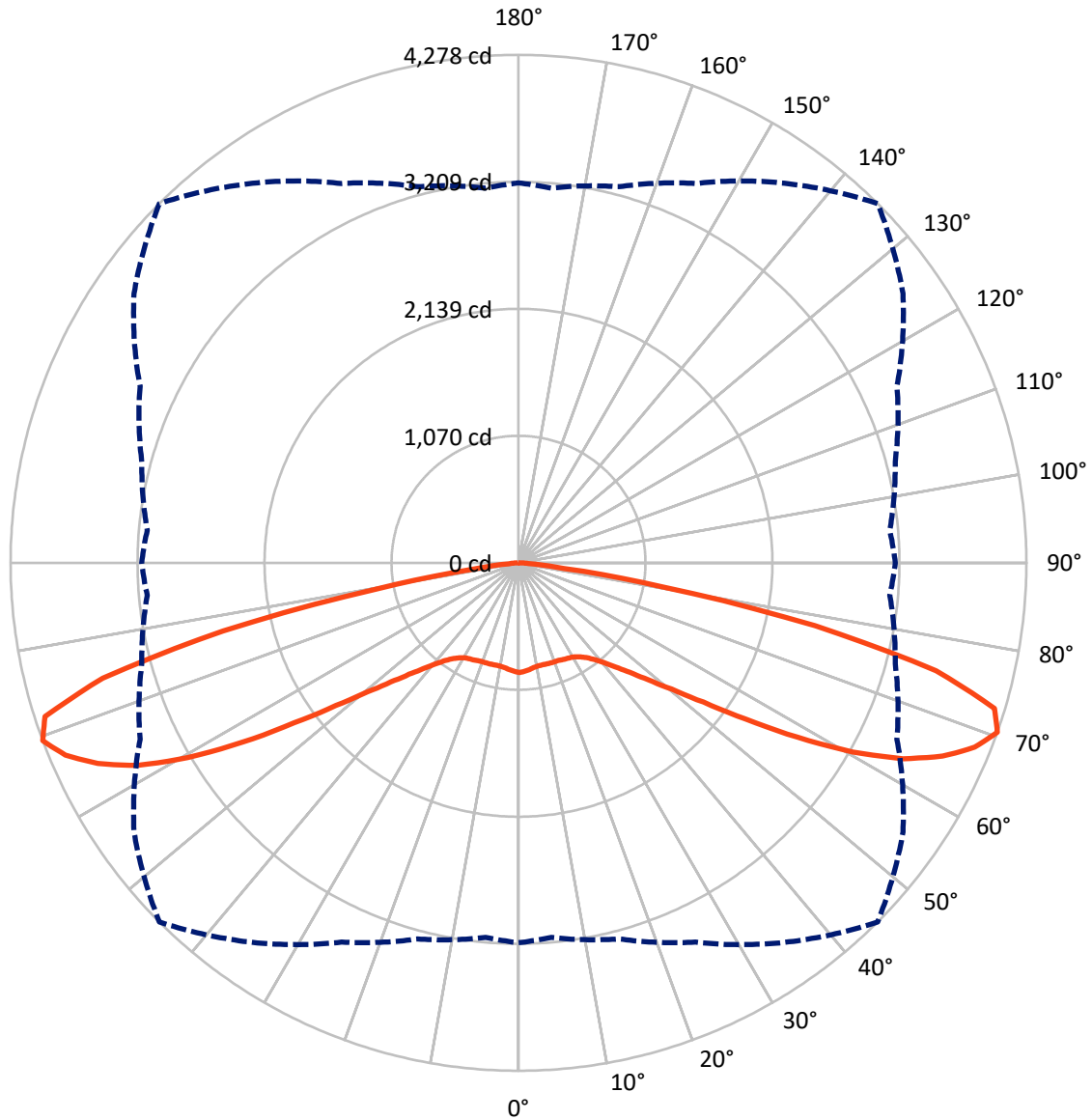
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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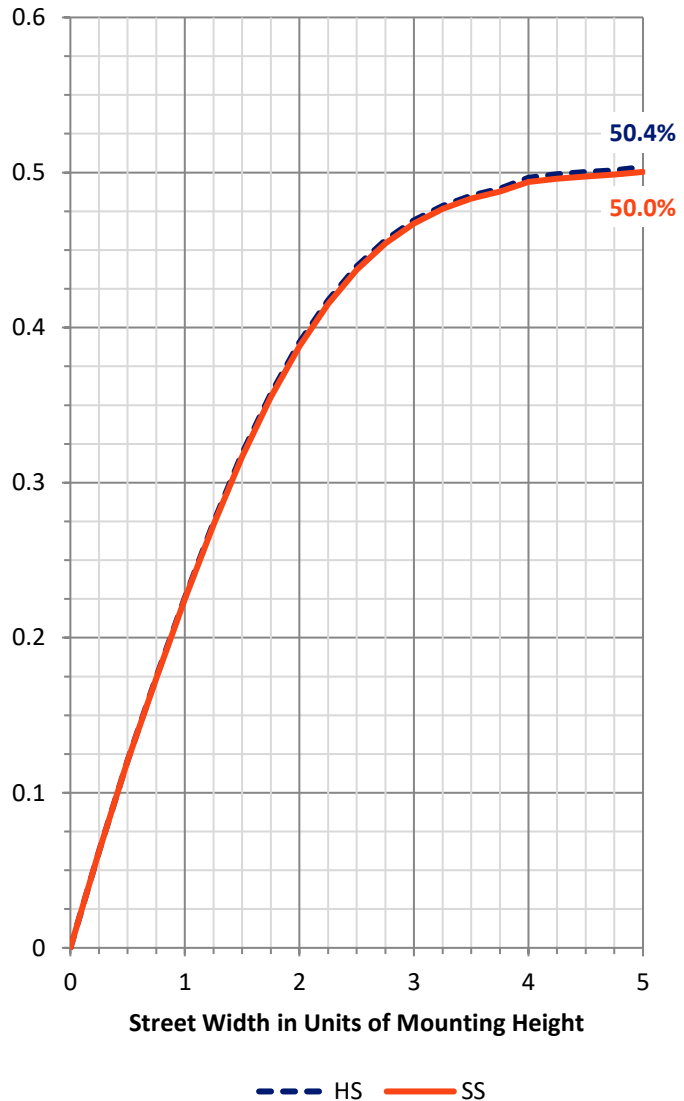
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5065.0	0.0	5065.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5065.0	0.0	5065.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10130.0	0.0	10130.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.0	0.8
10°-20°	252.4	2.5
20°-30°	420.0	4.1
30°-40°	635.2	6.3
40°-50°	1055.6	10.4
50°-60°	1991.8	19.7
60°-70°	3363.3	33.2
70°-80°	2210.0	21.8
80°-90°	115.8	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°	10130.0	100.0
0°-180°	10130.0	100.0

**Coefficient of Utilization**



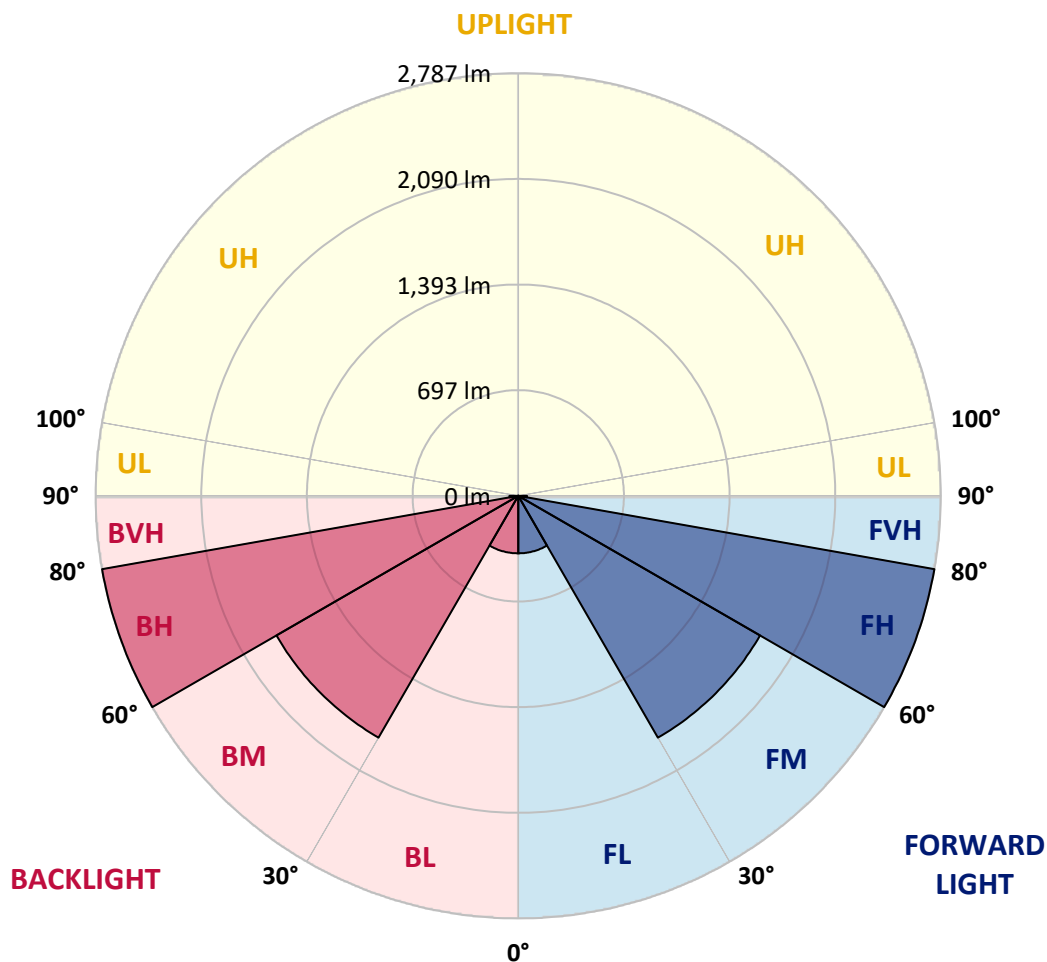
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.2	3.7			
FM (30°-60°)	1841.3	18.2			
FH (60°-80°)	2786.6	27.5			G2/5000
FVH (80°-90°)	57.9	0.6			G1/100
BL (0°-30°)	379.2	3.7	B1/500		
BM (30°-60°)	1841.3	18.2	B2/2500		
BH (60°-80°)	2786.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	57.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1
2.5°	918.3	920.9	919.8	917.7	917.7	916.2	917.7	918.8	920.4	921.4
5°	906.2	908.3	907.7	906.2	906.7	905.1	906.2	907.7	908.8	909.3
7.5°	895.6	897.7	896.7	894.0	894.0	892.5	893.0	894.6	896.2	896.7
10°	893.0	895.1	891.9	887.7	886.1	884.0	884.6	886.1	889.3	890.9
12.5°	894.0	895.6	892.5	886.1	884.6	882.5	882.5	884.0	888.3	890.4
15°	897.2	898.8	894.0	887.2	885.6	884.0	883.5	885.6	890.4	894.0
17.5°	903.0	904.6	897.2	887.7	885.6	886.1	885.6	887.2	894.6	901.4
20°	908.3	909.3	899.3	887.7	885.6	886.1	885.6	888.8	898.3	907.7
22.5°	909.8	910.9	901.4	891.4	889.8	890.4	889.8	893.0	901.9	911.4
25°	910.4	911.9	904.6	896.7	899.3	900.4	899.3	899.8	906.7	915.1
27.5°	918.3	920.4	913.5	906.7	908.3	907.7	909.3	910.9	916.2	924.6
30°	934.6	936.2	930.4	923.5	922.5	918.8	923.5	928.8	934.6	942.0
32.5°	961.4	964.6	957.2	949.9	945.1	943.0	946.7	955.7	963.5	971.4
35°	1006.2	1008.3	1001.5	987.8	979.3	979.3	982.5	994.1	1006.7	1016.7
37.5°	1069.4	1072.0	1059.9	1043.6	1030.9	1030.9	1035.2	1047.3	1066.2	1080.4
40°	1146.3	1149.9	1134.7	1117.8	1105.7	1103.6	1108.9	1122.6	1140.5	1158.4
42.5°	1238.9	1243.1	1223.1	1208.4	1198.9	1198.9	1201.5	1214.2	1230.5	1252.6
45°	1357.4	1364.8	1337.4	1322.6	1313.7	1315.8	1317.4	1328.4	1343.2	1368.5
47.5°	1498.5	1505.9	1476.9	1461.6	1460.1	1470.1	1463.8	1471.7	1479.5	1508.5
50°	1658.6	1671.2	1651.2	1650.1	1653.3	1671.7	1657.0	1661.2	1652.3	1670.7
52.5°	1854.4	1872.9	1869.2	1875.5	1910.8	1948.7	1915.0	1900.2	1866.5	1872.3
55°	2091.9	2119.8	2125.1	2163.0	2243.0	2320.4	2248.8	2189.3	2117.7	2104.5
57.5°	2362.0	2384.1	2409.4	2486.8	2636.3	2773.8	2636.3	2504.7	2392.0	2365.2
60°	2652.7	2680.0	2704.3	2818.5	3040.7	3233.9	3036.5	2827.5	2678.5	2642.1
62.5°	2964.9	3000.2	3017.0	3143.9	3403.0	3633.6	3406.6	3153.4	2988.1	2949.1
65°	3264.5	3293.4	3312.4	3447.7	3695.2	3926.3	3712.0	3462.5	3292.4	3241.3
67.5°	3404.0	3419.8	3466.1	3619.4	3880.5	4144.3	3924.8	3635.7	3445.6	3356.1
70°	3199.7	3167.6	3279.2	3524.6	3902.6	4278.1	3953.2	3517.2	3284.5	3139.2
72.5°	2472.6	2417.3	2611.1	3030.7	3649.9	4192.8	3675.2	3054.4	2731.6	2436.8
75°	1345.3	1282.6	1550.1	2080.8	2910.7	3634.1	2977.5	2140.3	1726.0	1335.3
77.5°	379.6	355.9	571.8	1006.7	1750.7	2551.6	1818.1	1028.8	678.2	402.3
80°	116.4	112.7	152.7	303.3	743.5	1222.1	714.5	307.0	194.3	122.7
82.5°	69.0	63.2	75.8	110.6	189.6	383.8	184.3	115.3	92.7	62.1
85°	39.5	36.9	44.8	53.7	63.7	81.6	53.2	54.8	49.5	33.2
87.5°	16.3	14.7	17.4	16.8	14.7	19.0	14.2	16.8	20.0	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
924.1
920.9
909.3
896.7
890.9
890.9
894.6
901.4
908.3
911.4
914.6
922.5
940.4
968.3
1013.0
1075.2
1152.6
1251.0
1367.4
1500.1
1659.6
1852.9
2084.0
2346.2
2610.5
2917.5
3216.0
3357.2
3173.9
2510.0
1422.2
447.0
129.5
67.4
34.8
12.1
0.0

OF REPORT)