

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: P849631

Luminaire Tested: **GLAN-SB6D-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849631  
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-SB6D-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61251 lumens  
Efficiency: N/A  
Efficacy: 139.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

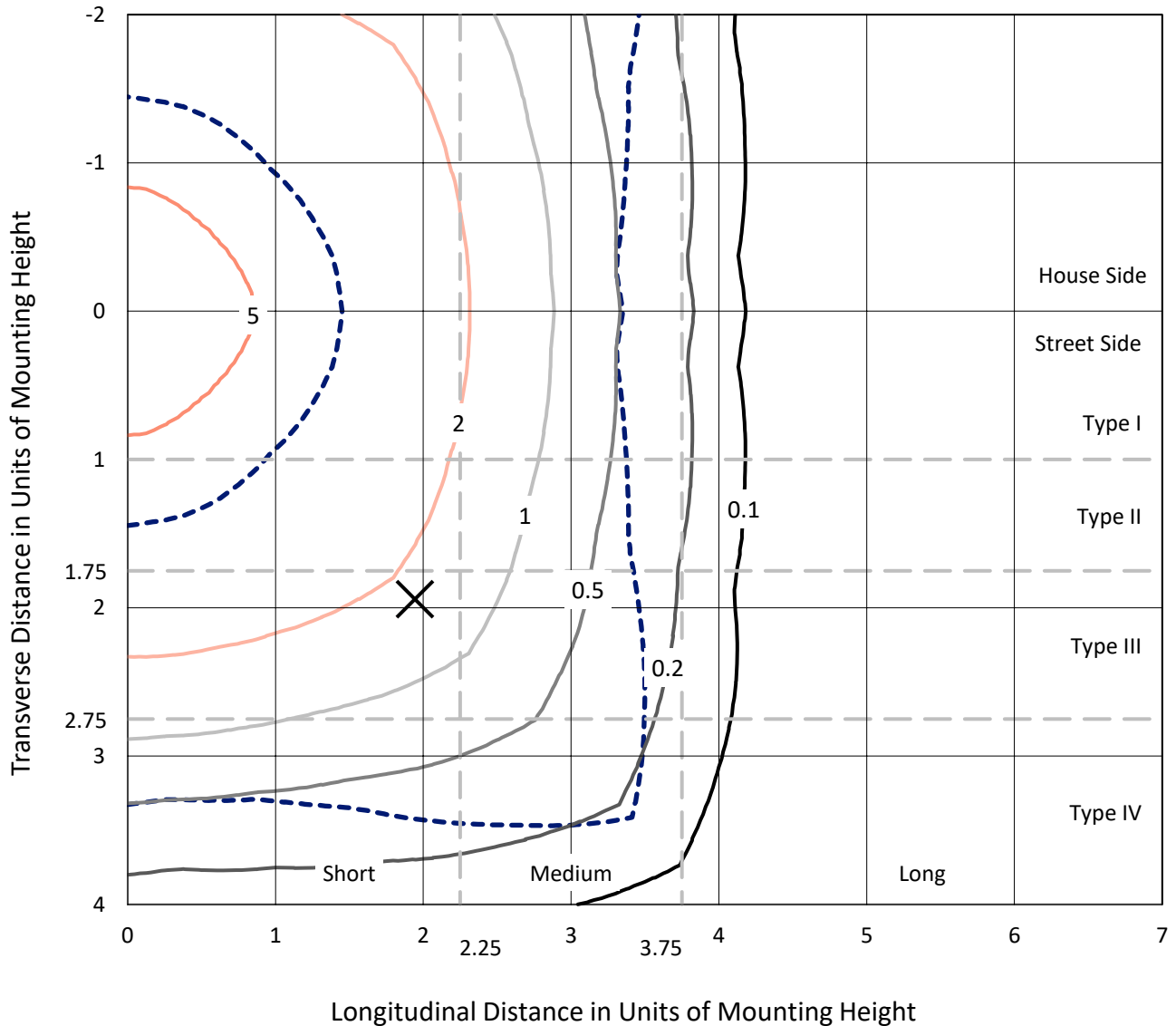
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

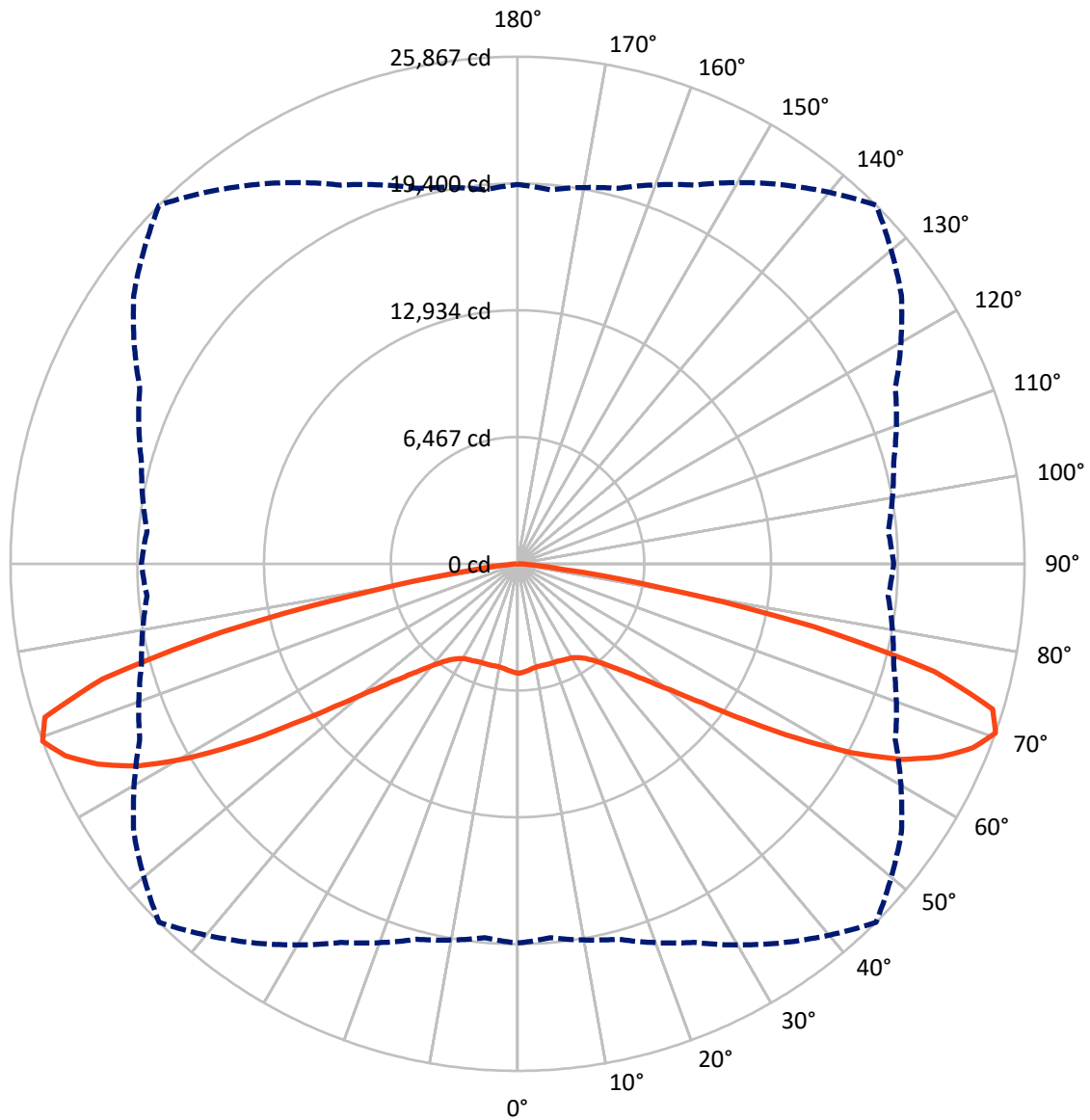
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	30625.5	0.0	30625.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30625.5	0.0	30625.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	61251.0	0.0	61251.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	519.8	0.8
10°-20°	1526.1	2.5
20°-30°	2539.7	4.1
30°-40°	3840.8	6.3
40°-50°	6382.5	10.4
50°-60°	12043.5	19.7
60°-70°	20335.9	33.2
70°-80°	13362.8	21.8
80°-90°	700.1	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°	61251.0	100.0
0°-180°	61251.0	100.0

**Coefficient of Utilization**



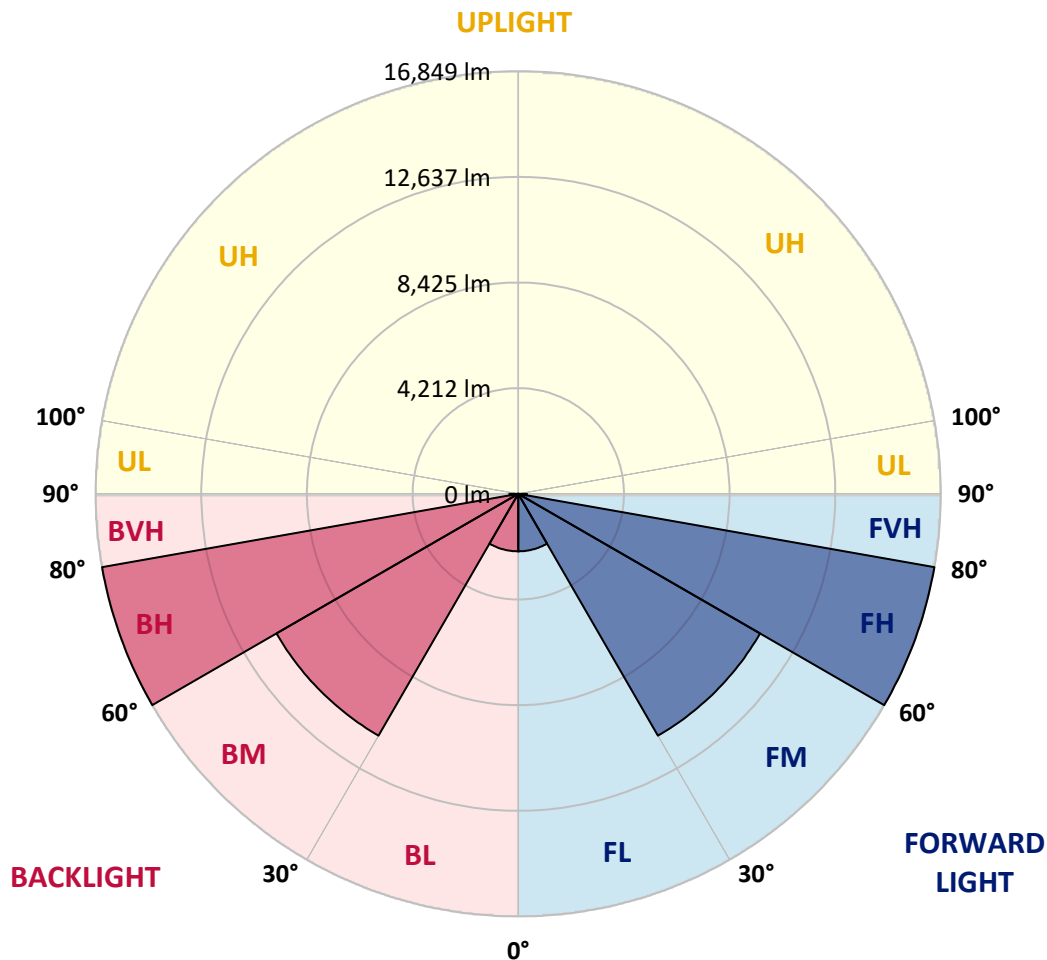
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2292.8	3.7			
FM (30°-60°)	11133.4	18.2			
FH (60°-80°)	16849.3	27.5			G5
FVH (80°-90°)	350.0	0.6			G3/500
BL (0°-30°)	2292.8	3.7	B3/2500		
BM (30°-60°)	11133.4	18.2	B5		
BH (60°-80°)	16849.3	27.5	B5		G5
BVH (80°-90°)	350.0	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°	5587.3	5587.3	5587.3	5587.3	5587.3	5587.3	5587.3	5587.3	5587.3	5587.3
2.5°	5552.3	5568.2	5561.9	5549.1	5549.1	5539.6	5549.1	5555.5	5565.0	5571.4
5°	5479.1	5491.8	5488.6	5479.1	5482.3	5472.7	5479.1	5488.6	5495.0	5498.2
7.5°	5415.4	5428.1	5421.8	5405.9	5405.9	5396.3	5399.5	5409.0	5418.6	5421.8
10°	5399.5	5412.2	5393.1	5367.7	5358.1	5345.4	5348.5	5358.1	5377.2	5386.8
12.5°	5405.9	5415.4	5396.3	5358.1	5348.5	5335.8	5335.8	5345.4	5370.8	5383.6
15°	5425.0	5434.5	5405.9	5364.5	5354.9	5345.4	5342.2	5354.9	5383.6	5405.9
17.5°	5460.0	5469.5	5425.0	5367.7	5354.9	5358.1	5354.9	5364.5	5409.0	5450.4
20°	5491.8	5498.2	5437.7	5367.7	5354.9	5358.1	5354.9	5374.0	5431.3	5488.6
22.5°	5501.4	5507.7	5450.4	5389.9	5380.4	5383.6	5380.4	5399.5	5453.6	5510.9
25°	5504.5	5514.1	5469.5	5421.8	5437.7	5444.1	5437.7	5440.9	5482.3	5533.2
27.5°	5552.3	5565.0	5523.7	5482.3	5491.8	5488.6	5498.2	5507.7	5539.6	5590.5
30°	5651.0	5660.5	5625.5	5584.1	5577.8	5555.5	5584.1	5616.0	5651.0	5695.6
32.5°	5813.4	5832.5	5787.9	5743.3	5714.7	5701.9	5724.2	5778.3	5826.1	5873.9
35°	6084.0	6096.7	6055.3	5972.5	5921.6	5921.6	5940.7	6010.8	6087.2	6147.6
37.5°	6466.0	6481.9	6408.7	6310.0	6233.6	6233.6	6259.1	6332.3	6446.9	6532.9
40°	6930.8	6953.1	6860.8	6758.9	6685.7	6673.0	6704.8	6787.6	6895.8	7004.1
42.5°	7491.2	7516.6	7395.6	7306.5	7249.2	7249.2	7265.1	7341.5	7440.2	7573.9
45°	8207.5	8252.0	8086.5	7997.4	7943.2	7956.0	7965.5	8032.4	8121.5	8274.3
47.5°	9060.7	9105.3	8930.2	8837.8	8828.3	8888.8	8850.6	8898.3	8946.1	9121.2
50°	10028.5	10104.9	9984.0	9977.6	9996.7	10108.1	10019.0	10044.4	9990.3	10101.8
52.5°	11212.9	11324.3	11302.0	11340.2	11553.5	11782.7	11579.0	11489.8	11286.1	11321.1
55°	12648.7	12817.4	12849.3	13078.5	13562.4	14030.4	13597.4	13237.7	12804.7	12725.1
57.5°	14281.9	14415.6	14568.4	15036.4	15940.6	16771.5	15940.6	15144.7	14463.4	14301.0
60°	16039.3	16204.8	16351.3	17042.1	18385.6	19554.0	18360.2	17096.3	16195.3	15975.6
62.5°	17927.2	18140.5	18242.4	19009.6	20576.0	21970.4	20598.3	19066.9	18067.3	17831.7
65°	19738.7	19913.8	20028.4	20846.6	22342.9	23740.6	22444.8	20935.8	19907.4	19598.6
67.5°	20582.4	20677.9	20958.0	21884.5	23463.6	25058.6	23731.0	21983.2	20833.9	20292.7
70°	19347.1	19152.9	19827.8	21311.4	23597.3	25867.2	23902.9	21266.9	19859.7	18981.0
72.5°	14950.5	14616.2	15787.8	18325.2	22069.1	25351.5	22222.0	18468.4	16516.8	14734.0
75°	8134.3	7755.4	9372.7	12581.8	17599.3	21973.6	18003.6	12941.6	10436.0	8073.8
77.5°	2295.4	2152.2	3457.5	6087.2	10585.7	15428.0	10993.2	6220.9	4100.6	2432.3
80°	703.6	681.3	923.3	1833.8	4495.3	7389.3	4320.2	1856.1	1174.8	741.8
82.5°	417.1	382.0	458.4	668.6	1146.1	2320.9	1114.3	697.2	560.3	375.7
85°	238.8	222.9	270.6	324.7	385.2	493.5	321.5	331.1	299.3	200.6
87.5°	98.7	89.1	105.1	101.9	89.1	114.6	86.0	101.9	121.0	79.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
5587.3  
5568.2  
5498.2  
5421.8  
5386.8  
5386.8  
5409.0  
5450.4  
5491.8  
5510.9  
5530.0  
5577.8  
5686.0  
5854.8  
6125.4  
6501.0  
6969.0  
7564.4  
8268.0  
9070.2  
10034.9  
11203.3  
12600.9  
14186.4  
15784.6  
17640.7  
19445.8  
20299.0  
*19191.1*  
15176.5  
8599.1  
2702.9  
783.2  
407.5  
210.1  
73.2  
0.0

OF REPORT)