

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: P849461

Luminaire Tested: **GLAN-SB6C-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849461  
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-SB6C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45078 lumens  
Efficiency: N/A  
Efficacy: 149.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

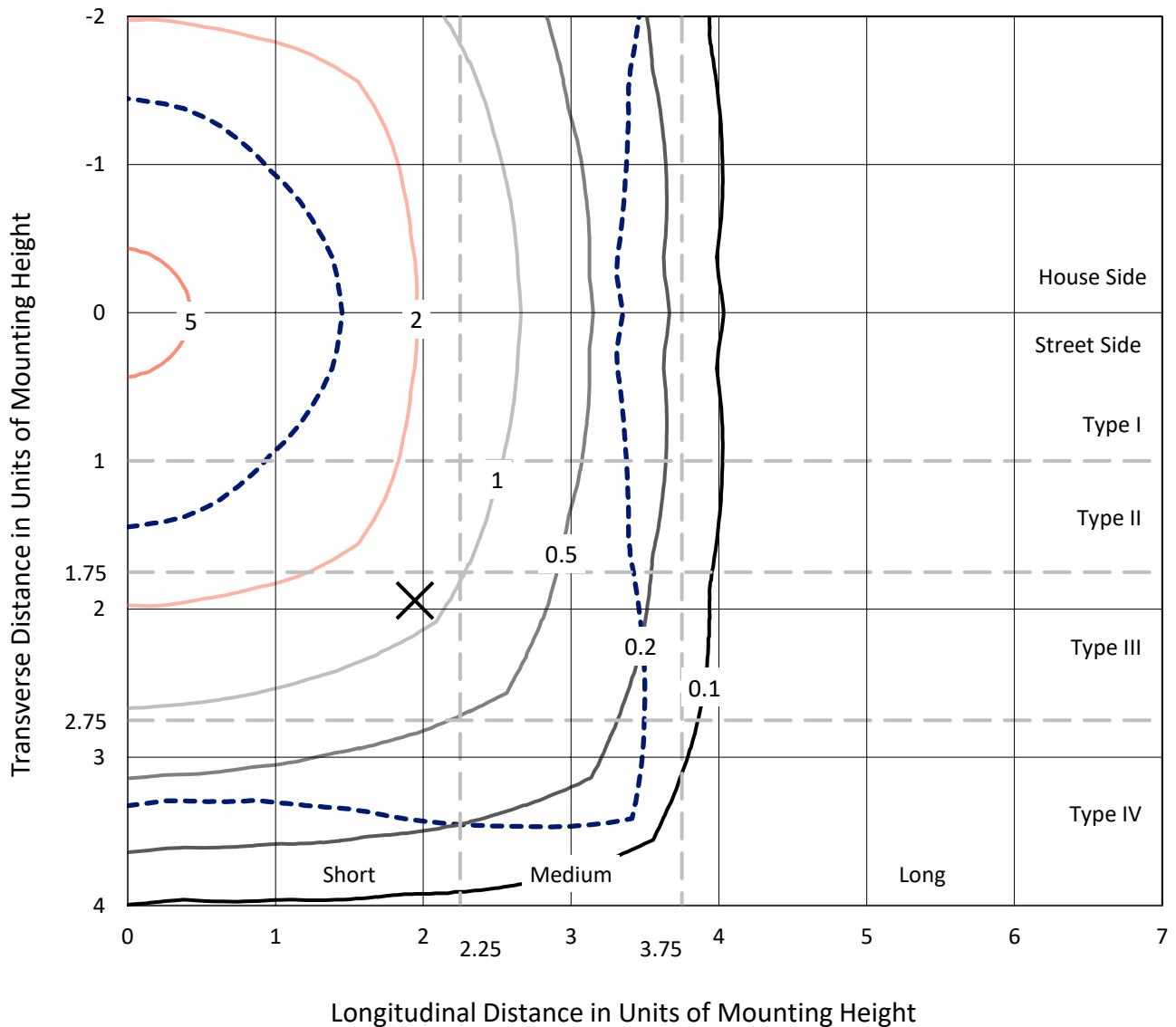
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

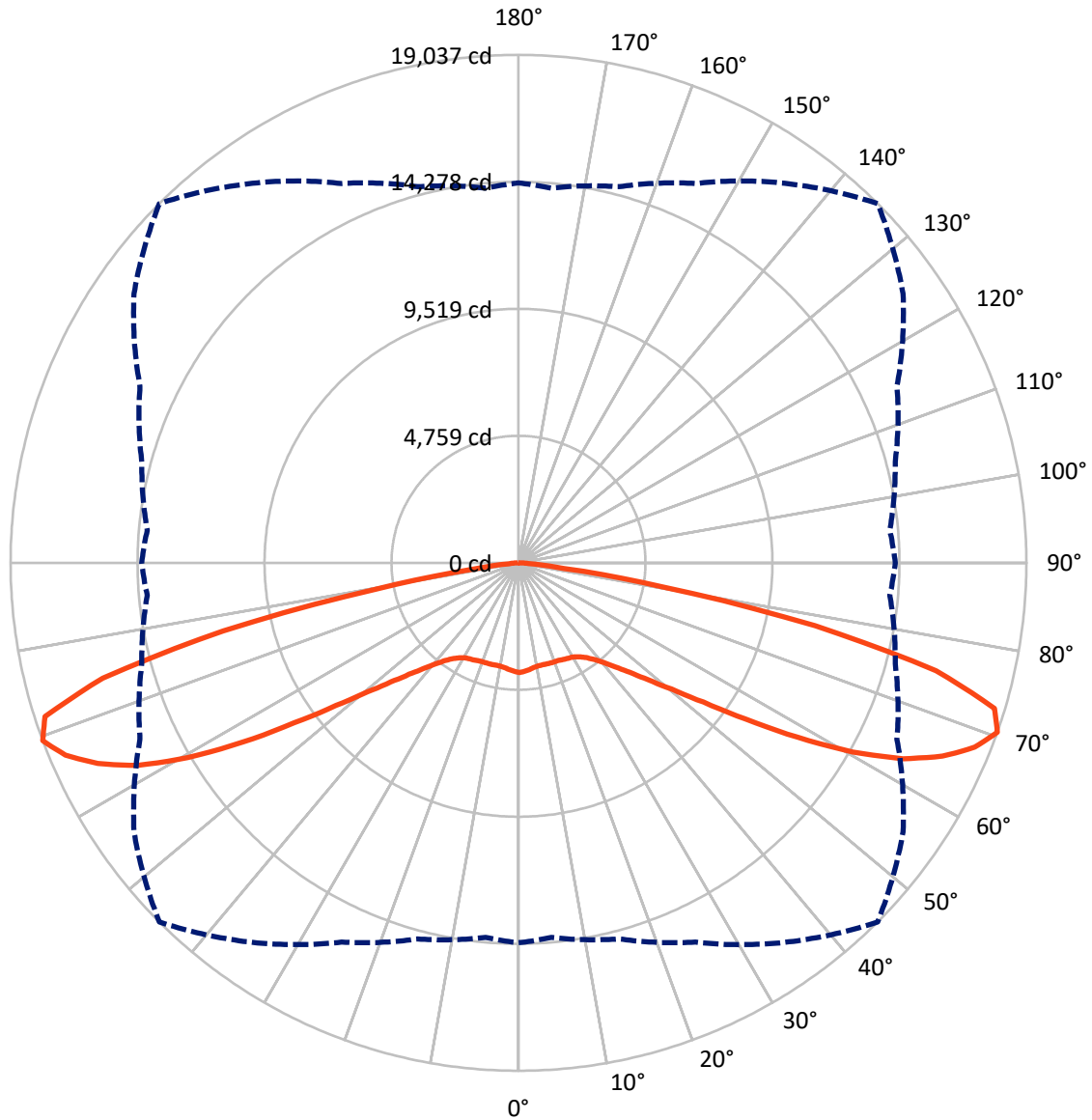
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	22539.0	0.0	22539.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22539.0	0.0	22539.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45078.0	0.0	45078.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.5	0.8
10°-20°	1123.2	2.5
20°-30°	1869.1	4.1
30°-40°	2826.6	6.3
40°-50°	4697.2	10.4
50°-60°	8863.5	19.7
60°-70°	14966.3	33.2
70°-80°	9834.4	21.8
80°-90°	515.2	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°	45078.0	100.0
0°-180°	45078.0	100.0

**Coefficient of Utilization**



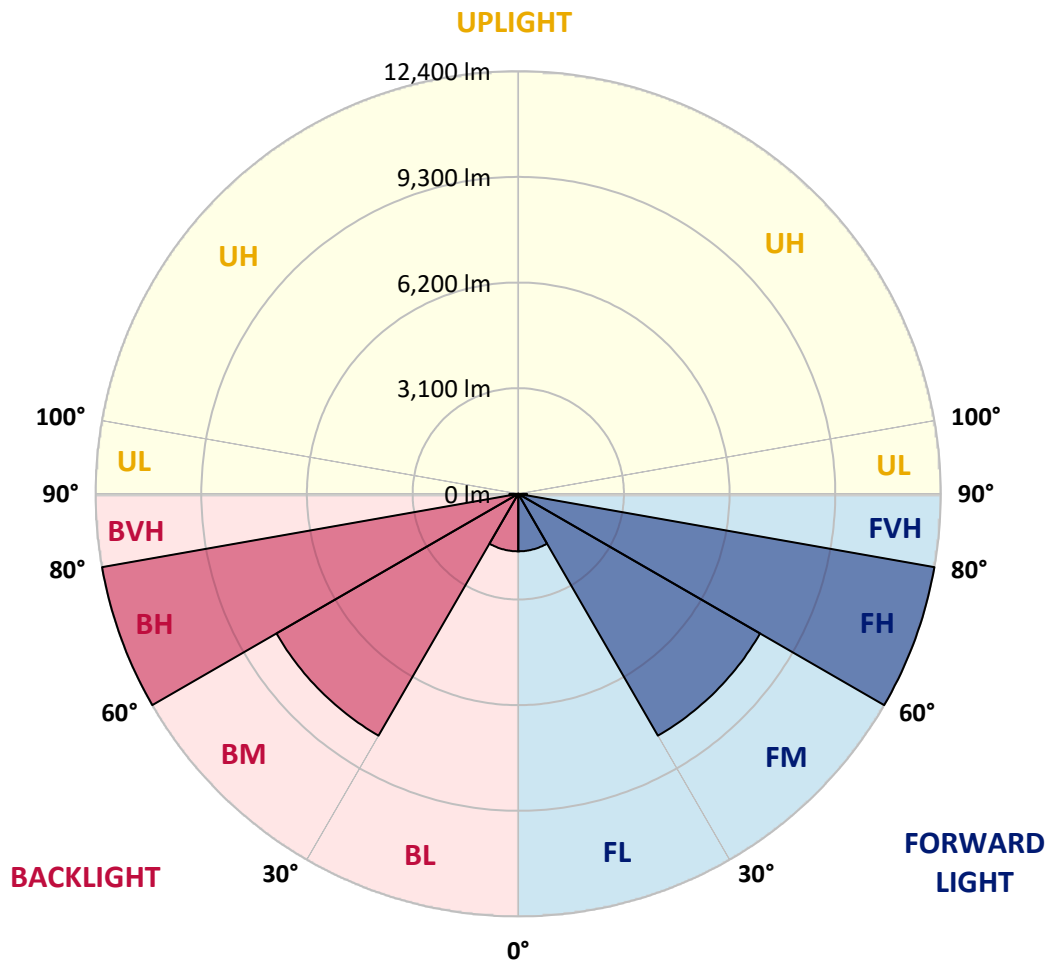
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1687.4	3.7			
FM (30°-60°)	8193.6	18.2			
FH (60°-80°)	12400.4	27.5			G5
FVH (80°-90°)	257.6	0.6			G3/500
BL (0°-30°)	1687.4	3.7	B3/2500		
BM (30°-60°)	8193.6	18.2	B4/8500		
BH (60°-80°)	12400.4	27.5	B5		G5
BVH (80°-90°)	257.6	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°	4112.0	4112.0	4112.0	4112.0	4112.0	4112.0	4112.0	4112.0	4112.0	4112.0
2.5°	4086.2	4098.0	4093.3	4083.9	4083.9	4076.9	4083.9	4088.6	4095.6	4100.3
5°	4032.4	4041.7	4039.4	4032.4	4034.7	4027.7	4032.4	4039.4	4044.1	4046.4
7.5°	3985.5	3994.9	3990.2	3978.5	3978.5	3971.4	3973.8	3980.8	3987.8	3990.2
10°	3973.8	3983.2	3969.1	3950.4	3943.3	3934.0	3936.3	3943.3	3957.4	3964.4
12.5°	3978.5	3985.5	3971.4	3943.3	3936.3	3926.9	3926.9	3934.0	3952.7	3962.1
15°	3992.5	3999.6	3978.5	3948.0	3941.0	3934.0	3931.6	3941.0	3962.1	3978.5
17.5°	4018.3	4025.3	3992.5	3950.4	3941.0	3943.3	3941.0	3948.0	3980.8	4011.3
20°	4041.7	4046.4	4001.9	3950.4	3941.0	3943.3	3941.0	3955.0	3997.2	4039.4
22.5°	4048.8	4053.4	4011.3	3966.8	3959.7	3962.1	3959.7	3973.8	4013.6	4055.8
25°	4051.1	4058.1	4025.3	3990.2	4001.9	4006.6	4001.9	4004.2	4034.7	4072.2
27.5°	4086.2	4095.6	4065.2	4034.7	4041.7	4039.4	4046.4	4053.4	4076.9	4114.4
30°	4158.9	4165.9	4140.1	4109.7	4105.0	4088.6	4109.7	4133.1	4158.9	4191.7
32.5°	4278.4	4292.4	4259.6	4226.8	4205.7	4196.4	4212.8	4252.6	4287.7	4322.9
35°	4477.5	4486.9	4456.4	4395.5	4358.0	4358.0	4372.1	4423.6	4479.9	4524.4
37.5°	4758.7	4770.4	4716.5	4643.9	4587.7	4587.7	4606.4	4660.3	4744.6	4807.9
40°	5100.8	5117.2	5049.2	4974.3	4920.4	4911.0	4934.4	4995.3	5075.0	5154.7
42.5°	5513.2	5531.9	5442.9	5377.3	5335.1	5335.1	5346.8	5403.0	5475.7	5574.1
45°	6040.3	6073.1	5951.3	5885.7	5845.9	5855.2	5862.3	5911.5	5977.1	6089.5
47.5°	6668.3	6701.1	6572.2	6504.3	6497.2	6541.7	6513.6	6548.8	6583.9	6712.8
50°	7380.6	7436.8	7347.7	7343.1	7357.1	7439.1	7373.5	7392.3	7352.4	7434.4
52.5°	8252.2	8334.2	8317.8	8345.9	8502.9	8671.6	8521.6	8456.0	8306.0	8331.8
55°	9308.9	9433.0	9456.5	9625.2	9981.3	10325.7	10007.1	9742.3	9423.7	9365.1
57.5°	10510.8	10609.2	10721.7	11066.1	11731.6	12343.1	11731.6	11145.8	10644.4	10524.9
60°	11804.2	11926.0	12033.8	12542.3	13531.0	14390.9	13512.3	12582.1	11919.0	11757.3
62.5°	13193.6	13350.6	13425.6	13990.2	15143.0	16169.3	15159.4	14032.4	13296.7	13123.3
65°	14526.8	14655.7	14740.0	15342.2	16443.4	17472.0	16518.4	15407.8	14651.0	14423.7
67.5°	15147.7	15218.0	15424.2	16106.0	17268.1	18442.0	17465.0	16178.6	15332.8	14934.5
70°	14238.6	14095.7	14592.4	15684.3	17366.6	19037.1	17591.5	15651.5	14615.8	13969.2
72.5°	11002.9	10756.9	11619.1	13486.5	16241.9	18657.6	16354.4	13591.9	12155.7	10843.6
75°	5986.4	5707.6	6897.9	9259.7	12952.3	16171.6	13249.8	9524.4	7680.5	5941.9
77.5°	1689.3	1583.9	2544.5	4479.9	7790.6	11354.3	8090.5	4578.3	3017.8	1790.1
80°	517.8	501.4	679.5	1349.6	3308.4	5438.2	3179.5	1366.0	864.6	545.9
82.5°	306.9	281.2	337.4	492.0	843.5	1708.1	820.1	513.1	412.4	276.5
85°	175.7	164.0	199.2	239.0	283.5	363.2	236.6	243.7	220.2	147.6
87.5°	72.6	65.6	77.3	75.0	65.6	84.3	63.3	75.0	89.0	58.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4112.0
4098.0
4046.4
3990.2
3964.4
3964.4
3980.8
4011.3
4041.7
4055.8
4069.8
4105.0
4184.7
4308.8
4508.0
4784.5
5128.9
5567.0
6084.9
6675.3
7385.2
8245.1
9273.7
10440.6
11616.8
12982.7
14311.2
14939.2
14123.8
11169.2
6328.5
1989.2
576.4
299.9
154.6
53.9
0.0

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