

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: P649512

Luminaire Tested: **GLAN-SA7D-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7D-835-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38000.6 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

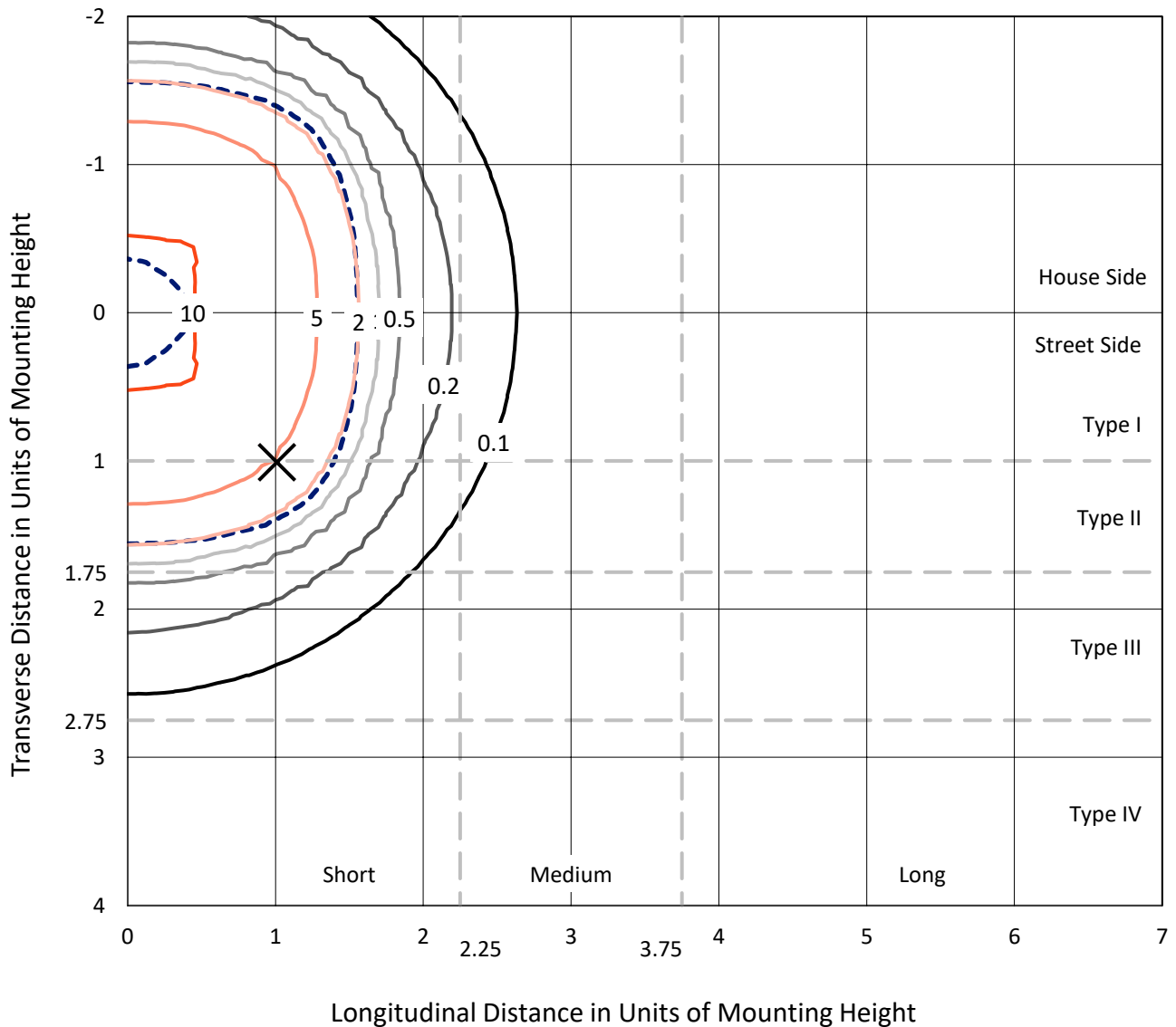
Input Watts (W): 433  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

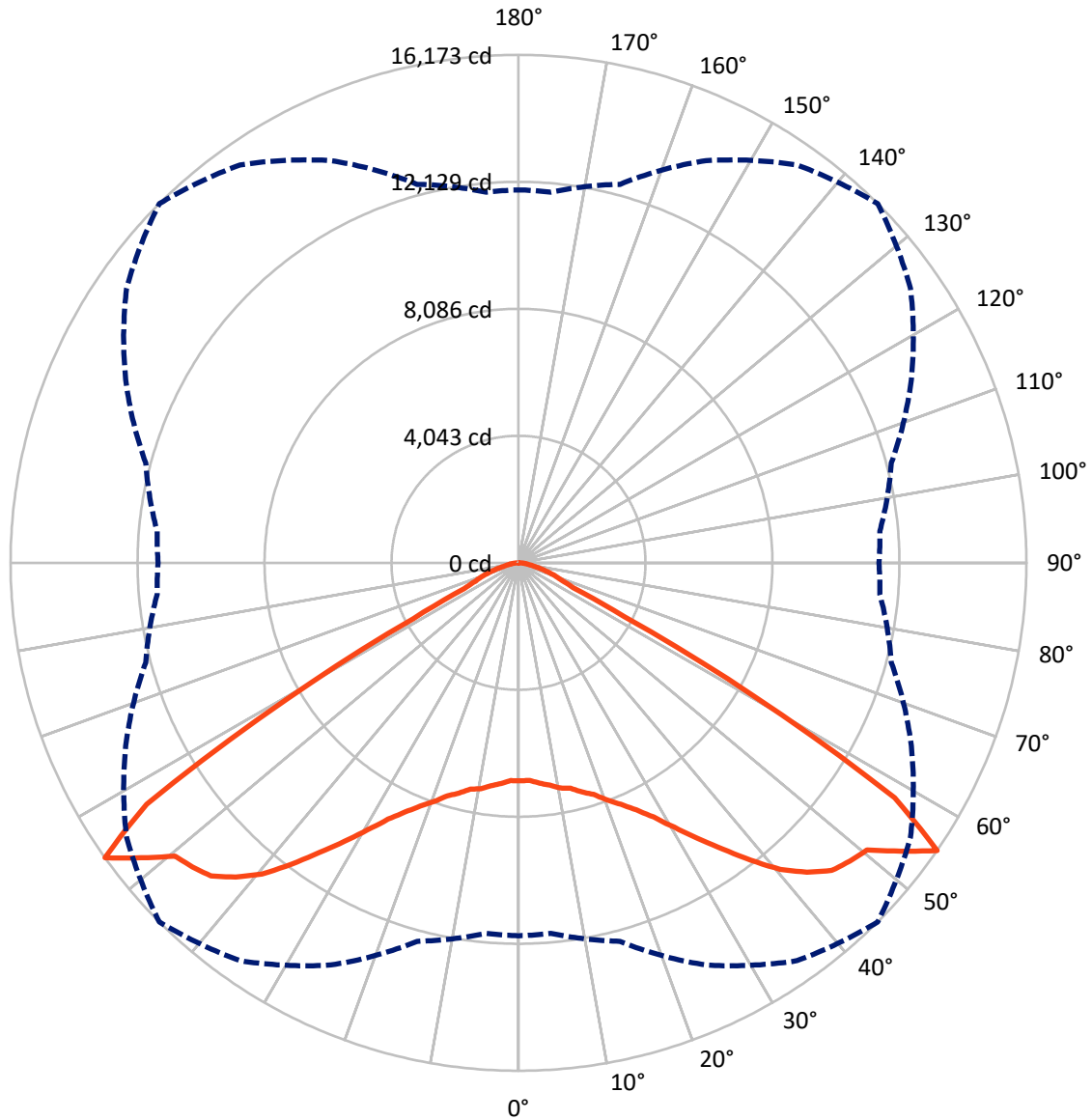
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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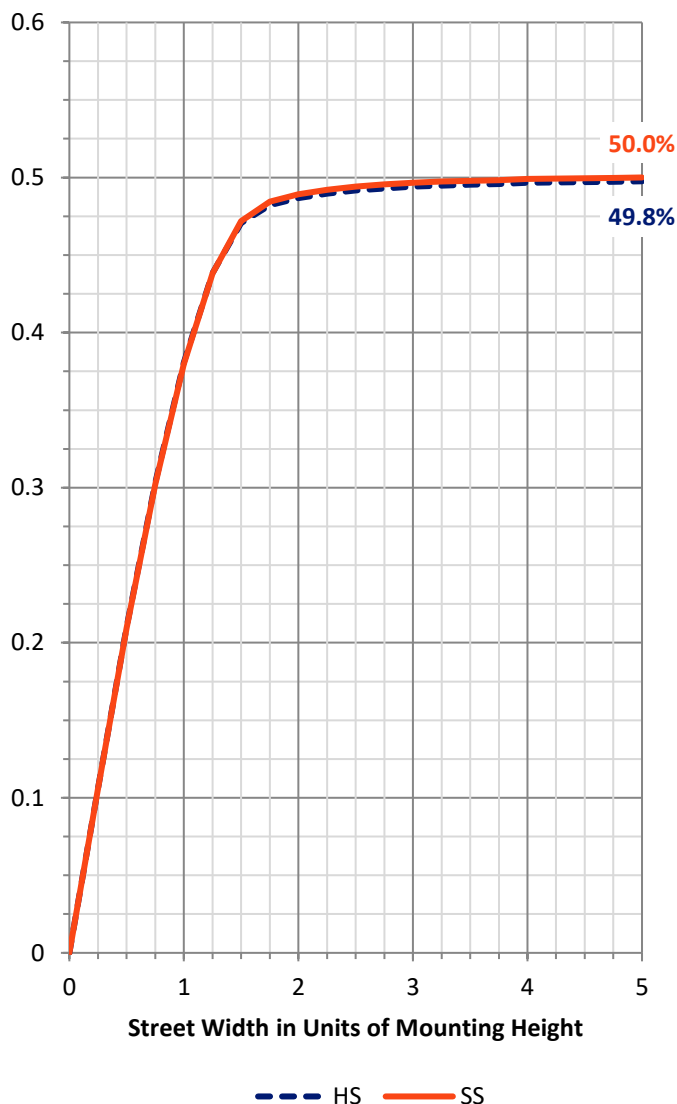
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19000.3	0.0	19000.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19000.3	0.0	19000.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38000.6	0.0	38000.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	677.8	1.8
10°-20°	2147.6	5.7
20°-30°	4004.7	10.5
30°-40°	6705.1	17.6
40°-50°	10433.7	27.5
50°-60°	10833.5	28.5
60°-70°	2297.4	6.0
70°-80°	756.6	2.0
80°-90°	144.1	0.4
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°	38000.6	100.0
0°-180°	38000.6	100.0

**Coefficient of Utilization**



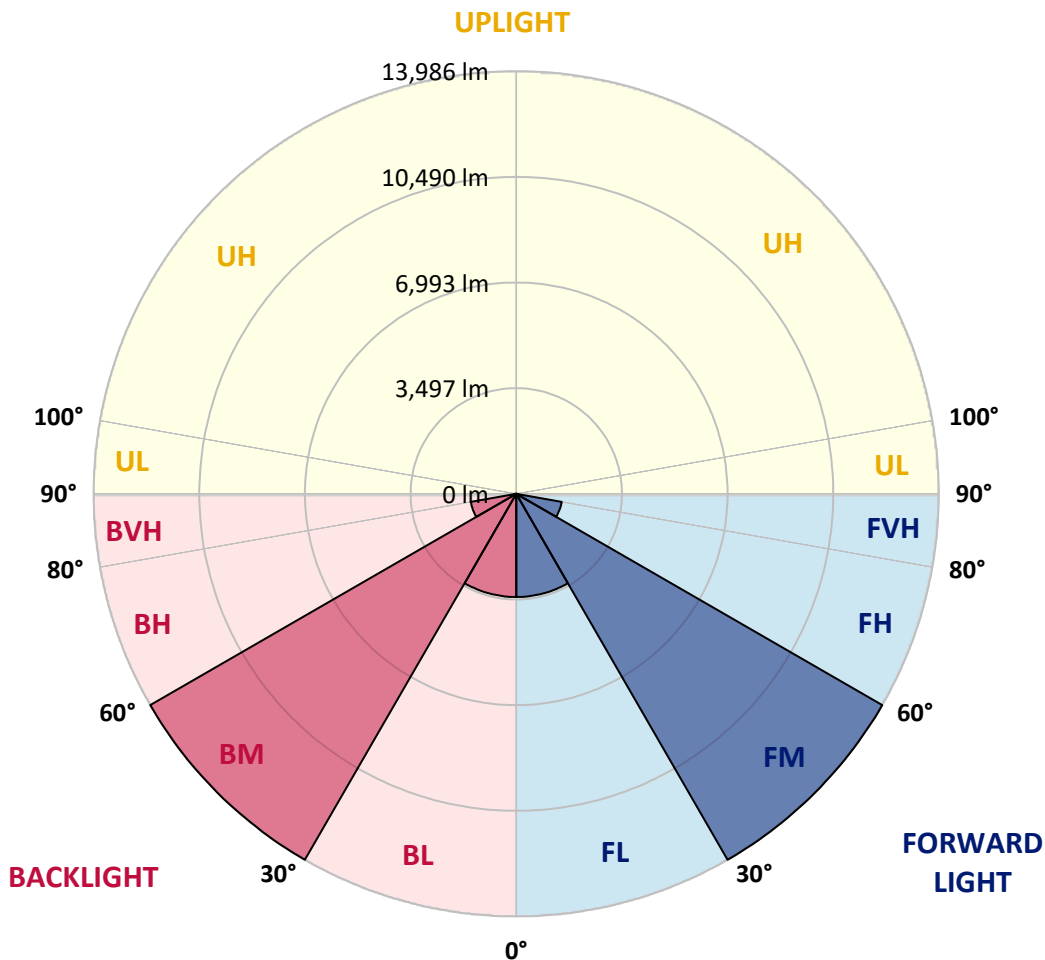
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3415.1	9.0			
FM (30°-60°)	13986.1	36.8			
FH (60°-80°)	1527.0	4.0			G1/1800
FVH (80°-90°)	72.0	0.2			G1/100
BL (0°-30°)	3415.1	9.0	B4/5000		
BM (30°-60°)	13986.1	36.8	B5		
BH (60°-80°)	1527.0	4.0	B3/2500		G1/1800
BVH (80°-90°)	72.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6938.3	6938.3	6938.3	6938.3	6938.3	6938.3	6938.3	6938.3	6938.3	6938.3	6938.3
2.5°	7021.0	6988.8	6933.8	6975.0	7007.2	6938.3	6965.9	6979.7	6970.5	6933.8	6947.5
5°	7122.0	7103.6	7057.7	7089.8	7048.6	7048.6	7021.0	6984.3	7039.3	7030.2	7053.1
7.5°	7122.0	7099.1	7190.9	7131.2	7149.6	7149.6	7103.6	7066.9	7094.4	7053.1	7030.2
10°	7264.4	7296.5	7255.2	7269.0	7259.7	7291.9	7223.0	7200.1	7177.1	7163.4	7135.8
12.5°	7434.3	7411.3	7425.1	7415.9	7448.1	7365.4	7324.0	7273.5	7314.9	7255.2	7296.5
15°	7572.0	7558.2	7572.0	7608.7	7576.6	7572.0	7498.6	7448.1	7383.8	7397.5	7333.3
17.5°	7760.3	7746.5	7751.1	7783.3	7778.6	7755.7	7700.6	7604.2	7581.2	7544.4	7503.1
20°	8040.4	8017.5	8008.2	8022.0	8045.0	8063.3	7953.2	7916.4	7838.4	7778.6	7709.8
22.5°	8279.1	8270.0	8306.7	8247.0	8297.5	8352.7	8247.0	8228.6	8035.8	8003.7	7930.1
25°	8609.8	8596.0	8573.1	8660.3	8720.0	8715.4	8614.4	8513.3	8366.4	8329.7	8329.7
27.5°	8958.8	8880.7	9000.1	9023.1	9128.7	9160.8	9073.6	8926.6	8788.9	8710.8	8729.2
30°	9395.0	9321.5	9349.1	9514.4	9652.1	9771.5	9551.1	9335.3	9142.5	9004.7	8981.7
32.5°	9831.2	9757.7	9840.4	10001.1	10276.6	10455.7	10239.9	9863.4	9638.3	9436.3	9477.7
35°	10184.8	10239.9	10373.0	10616.5	10901.2	11190.4	10846.0	10556.7	10235.3	10010.3	10042.4
37.5°	10754.2	10924.1	11029.7	11309.8	11713.9	12012.4	11654.2	11277.6	10933.3	10639.4	10538.4
40°	11498.0	11612.9	11732.2	12062.9	12540.4	12838.9	12499.1	12007.8	11668.0	11364.9	11351.2
42.5°	12315.4	12425.7	12549.6	12953.7	13238.4	13463.4	13151.2	12889.4	12512.9	12274.1	12260.3
45°	13266.0	13187.9	13325.6	13591.9	13830.8	13977.7	13775.6	13647.1	13376.1	13155.7	13132.8
47.5°	13899.7	13830.8	14078.7	14317.5	14354.2	14193.5	14234.9	14354.2	14069.5	13706.8	13821.6
50°	14267.0	14267.0	14432.3	14652.7	14583.8	14377.2	14703.2	14712.4	14427.7	14106.3	14106.3
52.5°	13628.7	13771.1	14239.4	14960.4	15190.0	15249.6	15176.2	14863.9	14120.1	13463.4	13431.3
55°	11874.6	11842.5	12476.2	14129.2	15465.4	16172.6	15235.8	13798.6	12287.9	11548.6	11475.1
57.5°	7723.5	7760.3	8706.2	10391.4	12802.2	14120.1	12540.4	10520.0	8706.2	7686.8	7783.3
60°	3476.1	3600.0	4174.0	5432.2	7503.1	8577.6	7521.5	5707.7	4380.7	3802.1	3852.6
62.5°	1997.4	2020.5	2043.4	2424.5	3196.0	3779.1	3319.9	2562.3	2259.2	2158.2	2158.2
65°	1685.3	1671.5	1676.0	1708.2	1790.8	1910.2	1859.7	1790.8	1800.0	1790.8	1777.1
67.5°	1432.7	1451.1	1437.3	1460.2	1464.8	1483.2	1515.3	1542.9	1547.4	1556.7	1547.4
70°	1175.5	1180.1	1189.3	1207.7	1212.2	1226.0	1272.0	1294.9	1308.7	1308.7	1327.0
72.5°	900.0	895.4	904.6	923.0	945.9	950.5	991.8	1024.0	1042.3	1019.4	1024.0
75°	592.3	597.0	610.7	624.5	656.6	688.8	702.6	734.7	739.3	748.5	725.5
77.5°	353.6	362.8	376.5	404.1	431.7	459.2	491.3	514.3	523.4	514.3	486.7
80°	229.6	229.6	248.0	270.9	303.1	326.0	344.4	362.8	376.5	362.8	353.6
82.5°	142.3	142.3	165.3	192.9	215.8	229.6	257.1	280.1	293.9	284.7	270.9
85°	73.4	78.1	96.5	119.4	137.7	147.0	142.3	128.6	114.8	110.2	101.0
87.5°	22.9	22.9	27.6	27.6	22.9	22.9	27.6	22.9	27.6	27.6	27.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)