

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: P316223

Luminaire Tested: **GAN-SA9D-750-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316223  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA9D-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 73062 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

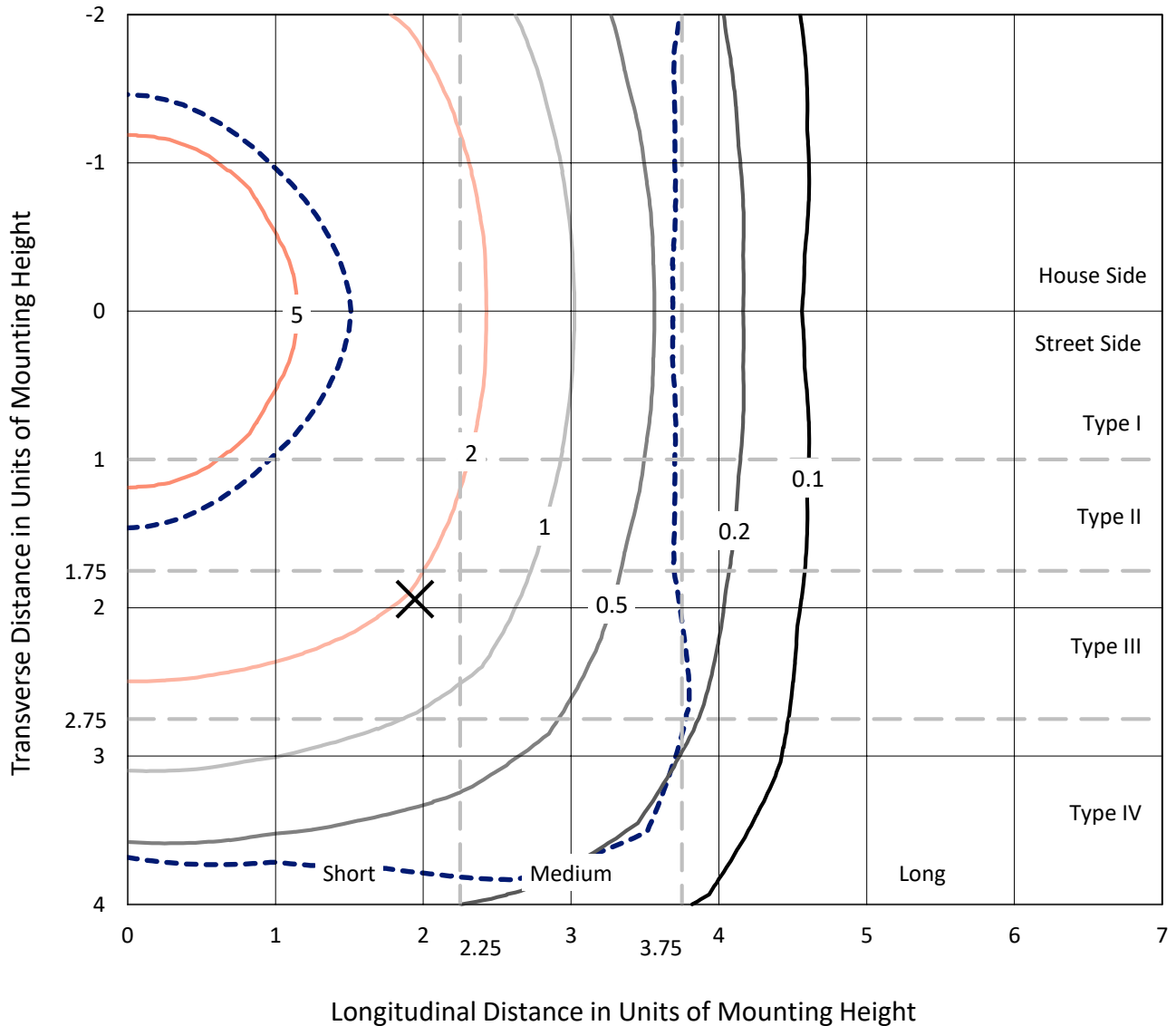
Input Watts (W): 575  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

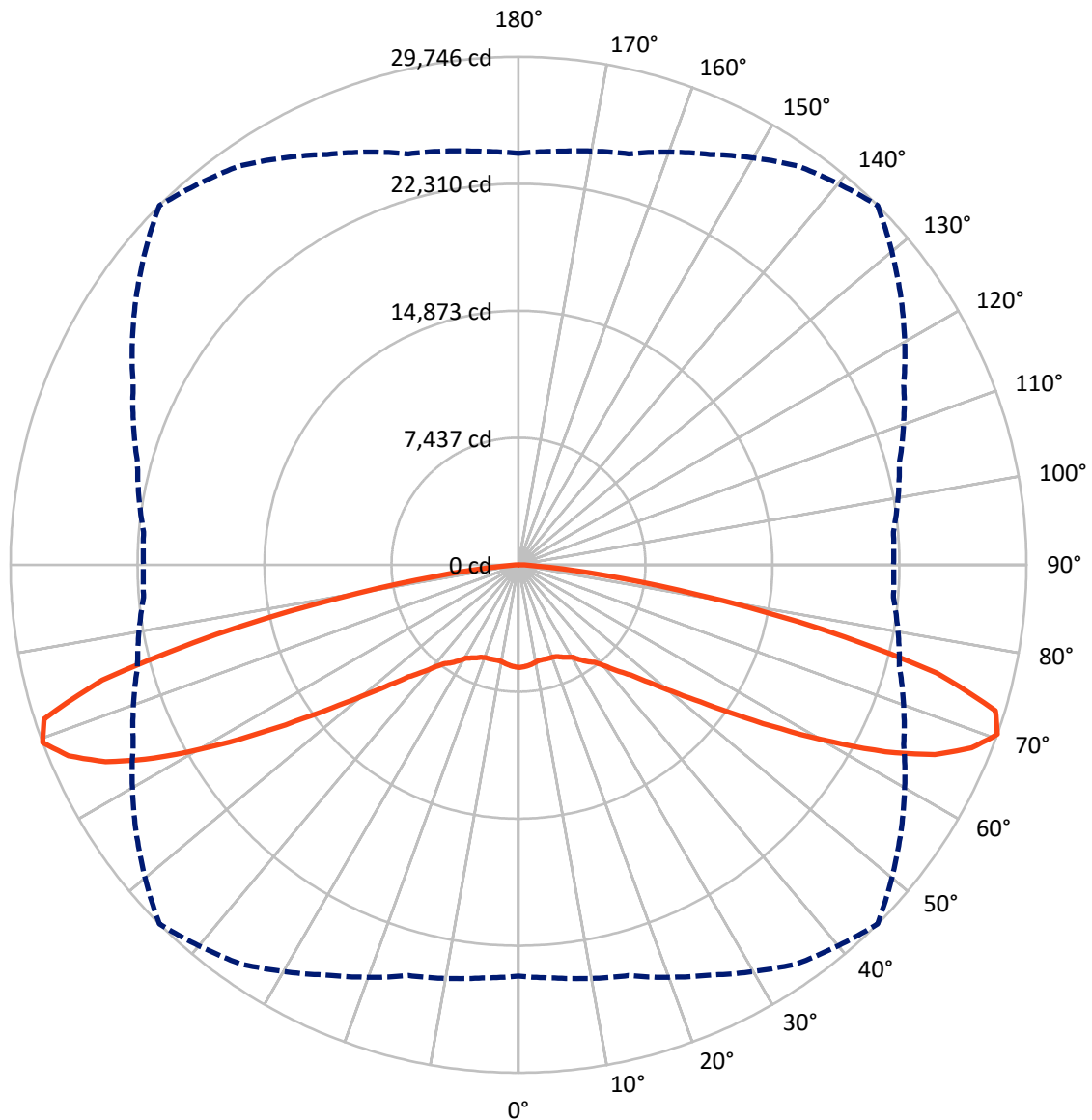
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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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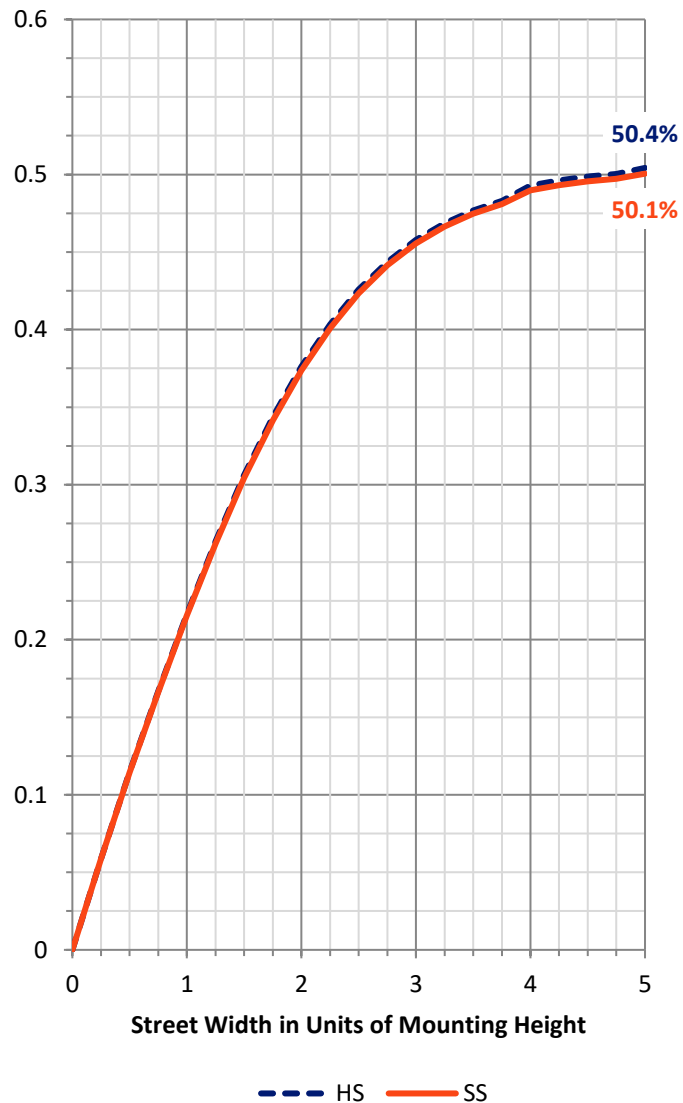
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	36531.0	0.0	36531.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	36531.0	0.0	36531.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	73062.0	0.0	73062.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	561.2	0.8
10°-20°	1639.3	2.2
20°-30°	2795.0	3.8
30°-40°	4367.3	6.0
40°-50°	7401.5	10.1
50°-60°	13497.2	18.5
60°-70°	23236.4	31.8
70°-80°	18213.5	24.9
80°-90°	1350.5	1.8
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°	73062.0	100.0
0°-180°	73062.0	100.0

**Coefficient of Utilization**

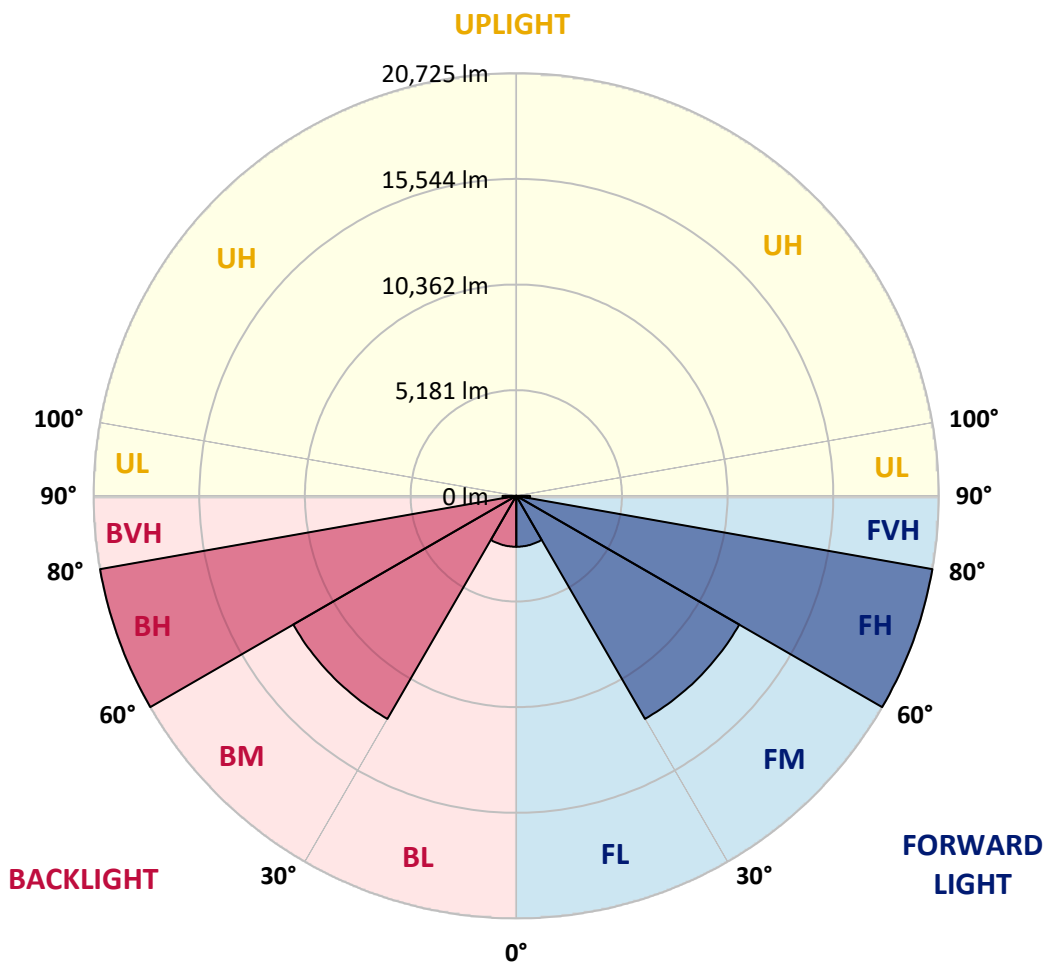


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2497.8	3.4			
FM (30°-60°)	12633.0	17.3			
FH (60°-80°)	20725.0	28.4			G5
FVH (80°-90°)	675.3	0.9			G4/750
BL (0°-30°)	2497.8	3.4	B3/2500		
BM (30°-60°)	12633.0	17.3	B5		
BH (60°-80°)	20725.0	28.4	B5		G5
BVH (80°-90°)	675.3	0.9			G4/750
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°	90°
0°	6013.0	6013.0	6013.0	6013.0	6013.0	6013.0	6013.0	6013.0	6013.0	6013.0	6013.0
2.5°	5986.4	5993.7	5986.4	5991.3	5979.2	5984.0	5984.0	5984.0	5981.6	5984.0	5979.2
5°	5933.3	5938.1	5928.4	5933.3	5926.0	5933.3	5935.7	5933.3	5928.4	5930.8	5921.2
7.5°	5853.5	5858.3	5851.1	5858.3	5848.7	5860.8	5858.3	5851.1	5843.8	5843.8	5834.2
10°	5810.0	5812.4	5793.1	5785.8	5764.1	5768.9	5776.2	5783.4	5790.7	5805.2	5802.8
12.5°	5812.4	5812.4	5783.4	5752.0	5720.6	5727.8	5739.9	5766.5	5795.5	5822.1	5824.5
15°	5836.6	5834.2	5790.7	5739.9	5718.2	5739.9	5747.2	5764.1	5810.0	5855.9	5858.3
17.5°	5853.5	5853.5	5785.8	5727.8	5725.4	5759.2	5756.8	5764.1	5814.8	5882.5	5884.9
20°	5884.9	5884.9	5797.9	5735.1	5735.1	5771.3	5773.7	5785.8	5836.6	5911.5	5923.6
22.5°	5955.0	5957.4	5865.6	5814.8	5819.7	5841.4	5848.7	5868.0	5913.9	5996.1	6010.6
25°	6054.1	6058.9	5964.7	5935.7	5952.6	5993.7	5988.8	6003.3	6054.1	6133.9	6148.4
27.5°	6191.9	6179.8	6092.8	6080.7	6097.6	6126.6	6124.2	6126.6	6167.7	6240.2	6257.1
30°	6370.7	6365.9	6303.0	6310.3	6303.0	6293.4	6295.8	6315.1	6336.9	6394.9	6411.8
32.5°	6544.7	6549.5	6510.9	6547.1	6600.3	6636.5	6581.0	6527.8	6503.6	6535.0	6549.5
35°	6858.9	6871.0	6810.6	6786.4	6858.9	6965.2	6808.1	6721.1	6769.5	6810.6	6822.6
37.5°	7393.0	7400.3	7298.8	7202.1	7148.9	7250.4	7093.3	7100.6	7269.8	7347.1	7344.7
40°	8002.0	8004.5	7936.8	7852.2	7760.4	7784.5	7721.7	7741.0	7852.2	7922.3	7941.6
42.5°	8727.1	8719.8	8613.5	8492.7	8466.1	8490.2	8383.9	8369.4	8497.5	8623.2	8625.6
45°	9667.2	9650.3	9512.5	9379.6	9251.5	9198.4	9171.8	9241.9	9418.3	9534.3	9536.7
47.5°	10679.9	10633.9	10561.4	10455.1	10343.9	10290.8	10247.3	10281.1	10409.2	10455.1	10459.9
50°	11721.5	11731.2	11745.7	11704.6	11663.5	11646.6	11533.0	11467.7	11506.4	11421.8	11409.7
52.5°	12956.5	12975.8	13116.0	13234.4	13304.5	13340.8	13125.7	12900.9	12775.2	12610.9	12562.6
55°	14413.8	14445.2	14650.7	14979.4	15317.7	15496.6	15107.5	14686.9	14297.8	13990.9	13891.8
57.5°	16037.9	16093.5	16376.3	17007.1	17700.7	18123.6	17466.3	16702.5	15950.9	15508.6	15431.3
60°	17942.4	17995.5	18387.1	19290.9	20414.8	21050.4	20054.7	18805.2	17869.9	17446.9	17304.3
62.5°	20209.3	20214.2	20695.1	21751.3	23235.2	24119.7	22771.1	21101.1	20136.8	19626.9	19489.1
65°	22647.9	22660.0	23157.8	24298.6	25833.2	26795.1	25272.5	23532.4	22353.0	21601.4	21495.1
67.5°	24371.1	24421.8	24946.3	26319.0	27754.6	28622.2	27046.5	25079.2	23716.1	22819.5	22730.1
70°	24095.6	24293.7	24910.0	26512.4	28508.6	29746.0	27334.1	24895.5	23097.4	22038.9	21963.9
72.5°	21014.1	21393.6	22215.3	24317.9	27510.5	29214.3	25765.6	22297.4	20262.5	19361.0	19225.7
75°	14309.9	14926.2	16166.0	19199.1	23503.4	25294.3	21690.8	17778.0	15863.9	14616.8	14525.0
77.5°	6380.4	6520.5	8091.5	11583.7	16219.2	18164.7	15760.0	11629.7	8729.5	6962.8	6590.6
80°	1778.8	1800.5	2402.3	4314.0	8118.1	10672.6	8715.0	4531.5	2547.3	1795.7	1691.8
82.5°	565.5	613.9	749.2	1119.0	2728.6	4869.9	2801.1	1208.4	860.4	686.4	618.7
85°	275.5	273.1	379.4	454.4	696.0	1077.9	742.0	560.7	490.6	326.3	294.9
87.5°	116.0	118.4	176.4	159.5	203.0	174.0	239.3	251.3	263.4	145.0	125.7
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)