

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: P316143

Luminaire Tested: **GAN-SA9D-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316143  
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-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 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: 66538 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

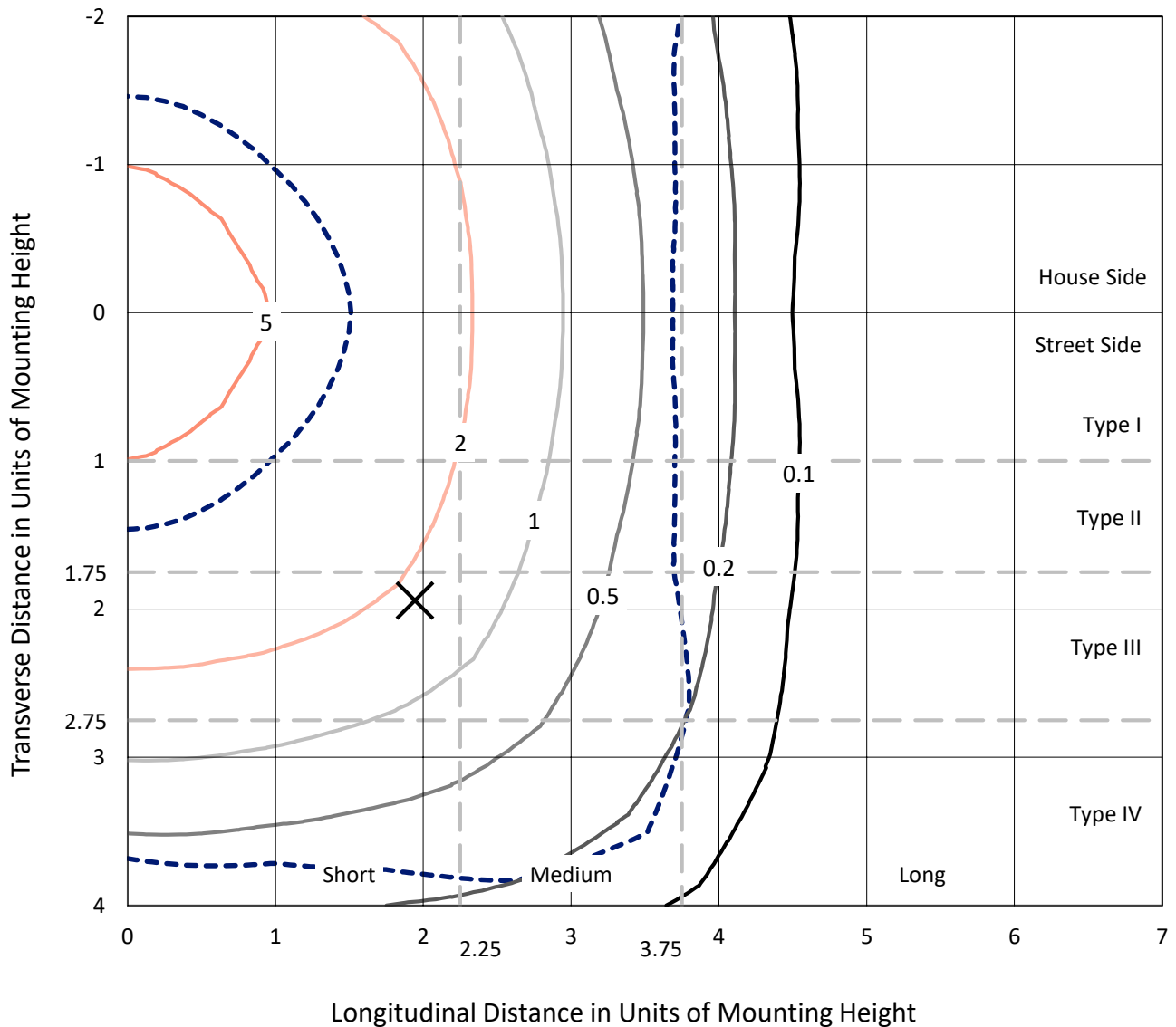
Input Watts (W): 575  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

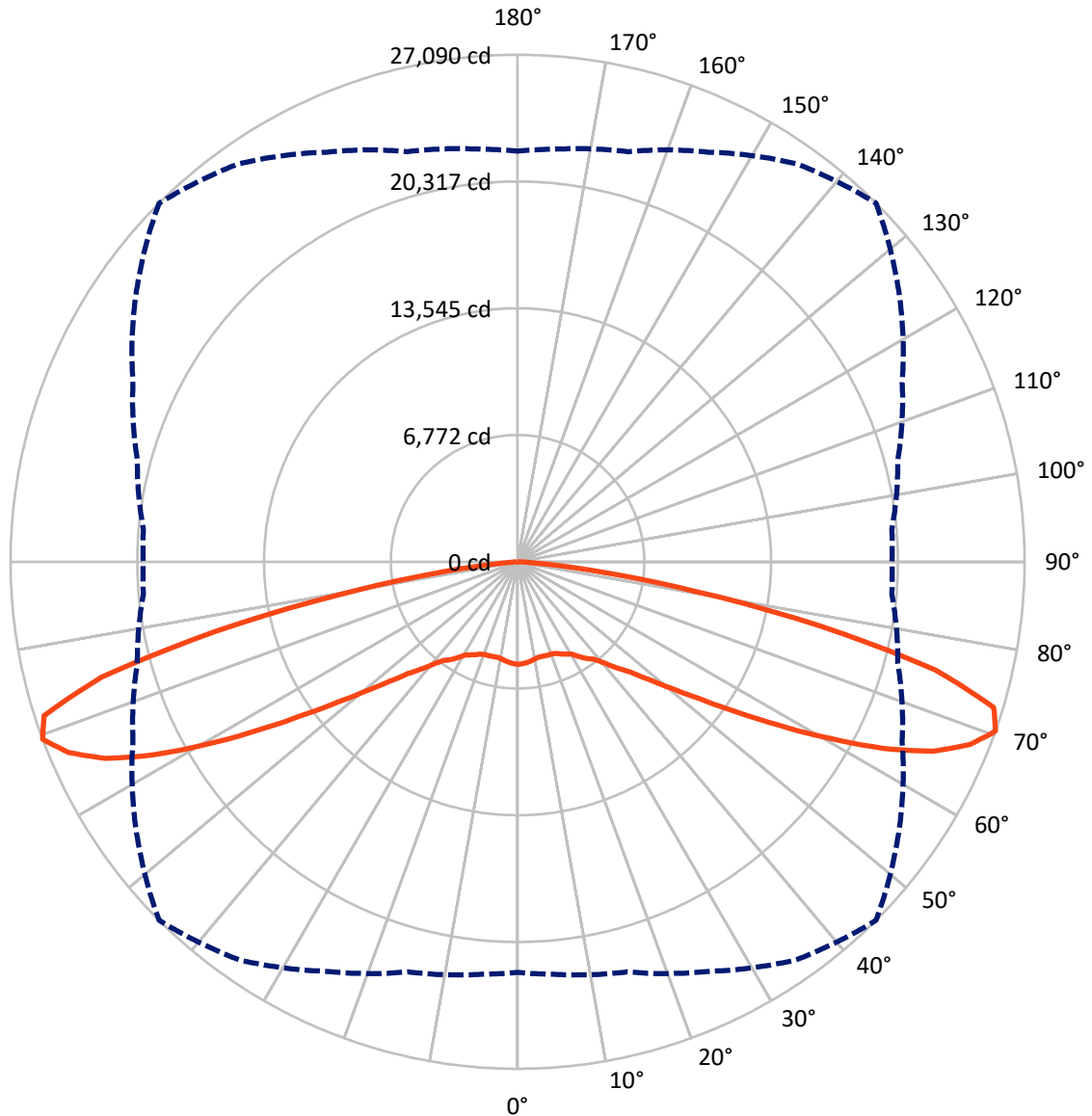
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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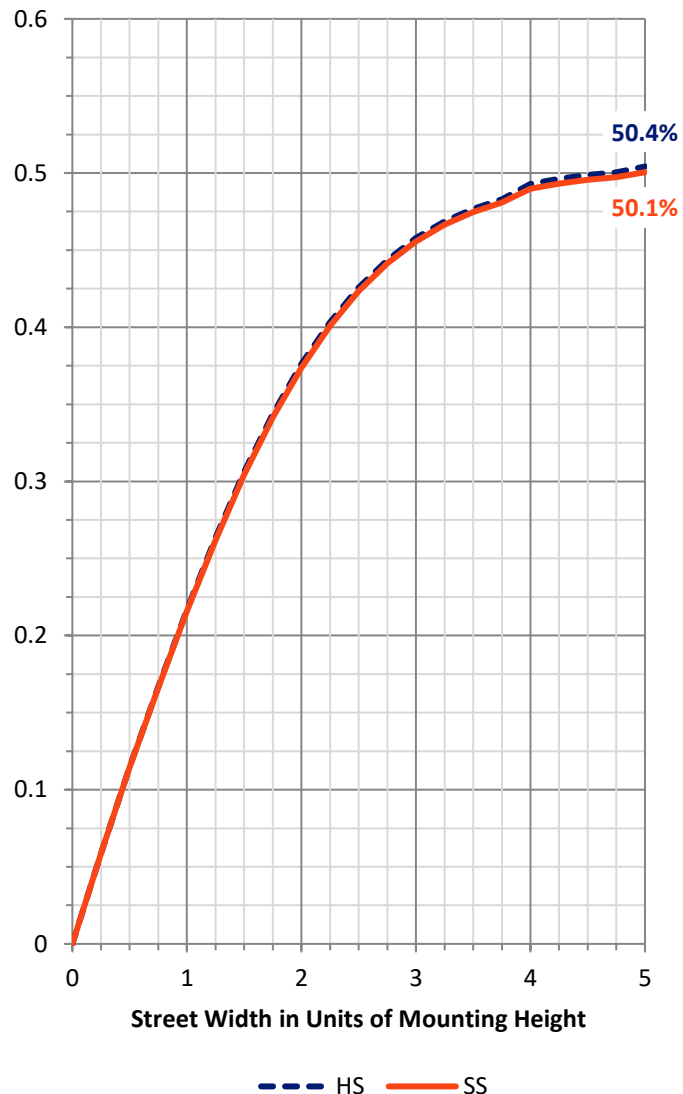
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	33269.0	0.0	33269.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33269.0	0.0	33269.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	66538.0	0.0	66538.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	511.1	0.8
10°-20°	1492.9	2.2
20°-30°	2545.4	3.8
30°-40°	3977.3	6.0
40°-50°	6740.6	10.1
50°-60°	12292.0	18.5
60°-70°	21161.5	31.8
70°-80°	16587.2	24.9
80°-90°	1229.9	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°	66538.0	100.0
0°-180°	66538.0	100.0

**Coefficient of Utilization**



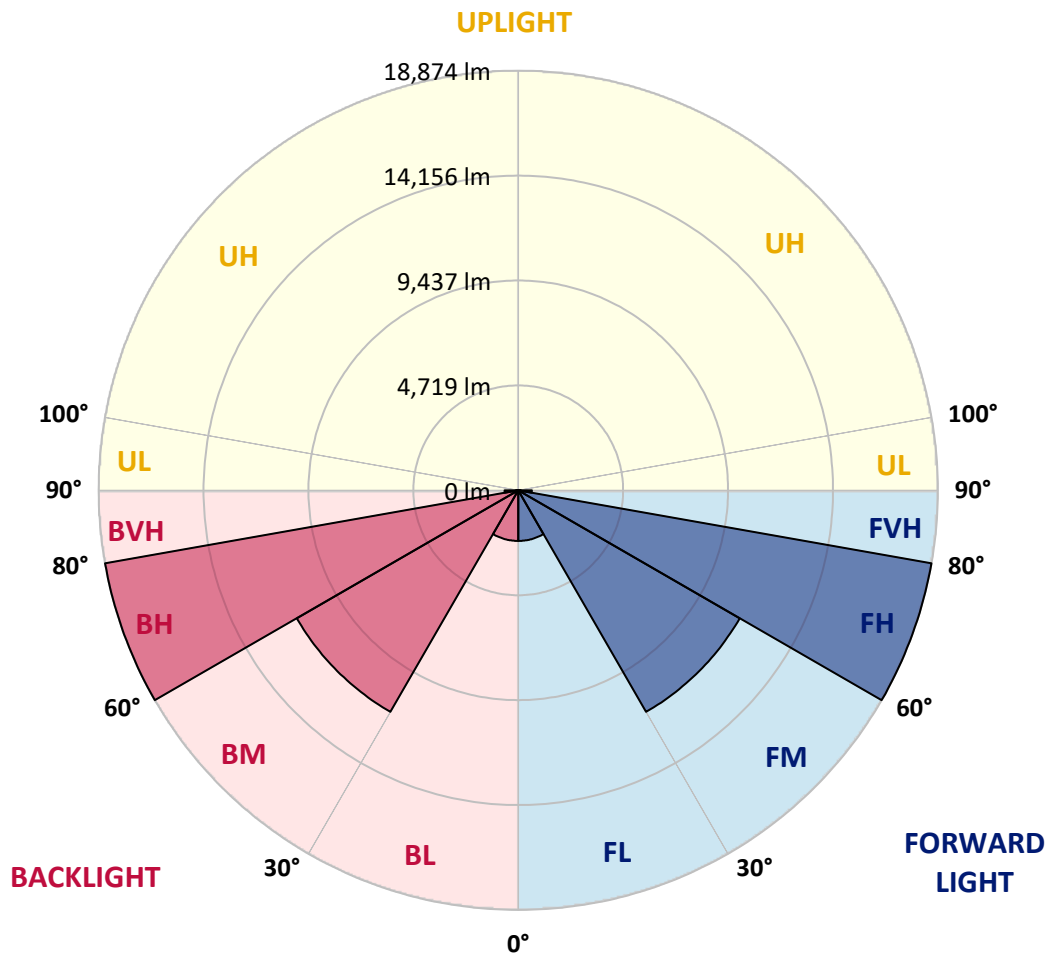
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2274.7	3.4			
FM (30°-60°)	11504.9	17.3			
FH (60°-80°)	18874.4	28.4			G5
FVH (80°-90°)	615.0	0.9			G4/750
BL (0°-30°)	2274.7	3.4	B3/2500		
BM (30°-60°)	11504.9	17.3	B5		
BH (60°-80°)	18874.4	28.4	B5		G5
BVH (80°-90°)	615.0	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°	5476.1	5476.1	5476.1	5476.1	5476.1	5476.1	5476.1	5476.1	5476.1	5476.1	5476.1
2.5°	5451.9	5458.5	5451.9	5456.3	5445.3	5449.7	5449.7	5449.7	5447.5	5449.7	5445.3
5°	5403.5	5407.9	5399.1	5403.5	5396.9	5403.5	5405.7	5403.5	5399.1	5401.3	5392.4
7.5°	5330.8	5335.2	5328.6	5335.2	5326.4	5337.4	5335.2	5328.6	5322.0	5322.0	5313.2
10°	5291.2	5293.4	5275.8	5269.2	5249.4	5253.8	5260.4	5267.0	5273.6	5286.8	5284.6
12.5°	5293.4	5293.4	5267.0	5238.4	5209.8	5216.4	5227.4	5251.6	5278.0	5302.2	5304.4
15°	5315.4	5313.2	5273.6	5227.4	5207.6	5227.4	5234.0	5249.4	5291.2	5333.0	5335.2
17.5°	5330.8	5330.8	5269.2	5216.4	5214.2	5245.0	5242.8	5249.4	5295.6	5357.2	5359.4
20°	5359.4	5359.4	5280.2	5223.0	5223.0	5256.0	5258.2	5269.2	5315.4	5383.6	5394.6
22.5°	5423.3	5425.5	5341.8	5295.6	5300.0	5319.8	5326.4	5344.0	5385.8	5460.7	5473.9
25°	5513.5	5517.9	5432.1	5405.7	5421.1	5458.5	5454.1	5467.3	5513.5	5586.1	5599.3
27.5°	5639.0	5628.0	5548.7	5537.7	5553.1	5579.5	5577.3	5579.5	5617.0	5683.0	5698.4
30°	5801.8	5797.4	5740.2	5746.8	5740.2	5731.4	5733.6	5751.2	5771.0	5823.8	5839.3
32.5°	5960.3	5964.7	5929.5	5962.5	6010.9	6043.9	5993.3	5944.9	5922.9	5951.5	5964.7
35°	6246.4	6257.4	6202.4	6180.4	6246.4	6343.3	6200.2	6121.0	6165.0	6202.4	6213.4
37.5°	6732.9	6739.5	6647.0	6559.0	6510.6	6603.0	6459.9	6466.5	6620.6	6691.0	6688.8
40°	7287.5	7289.7	7228.1	7151.0	7067.4	7089.4	7032.2	7049.8	7151.0	7214.9	7232.5
42.5°	7947.8	7941.2	7844.4	7734.3	7710.1	7732.1	7635.3	7622.1	7738.7	7853.2	7855.4
45°	8804.0	8788.6	8663.1	8542.1	8425.4	8377.0	8352.8	8416.6	8577.3	8682.9	8685.1
47.5°	9726.2	9684.4	9618.4	9521.5	9420.3	9371.9	9332.2	9363.1	9479.7	9521.5	9525.9
50°	10674.8	10683.7	10696.9	10659.4	10622.0	10606.6	10503.2	10443.7	10479.0	10401.9	10390.9
52.5°	11799.6	11817.2	11944.8	12052.7	12116.5	12149.5	11953.6	11748.9	11634.5	11484.8	11440.8
55°	13126.8	13155.4	13342.5	13641.8	13949.9	14112.8	13758.4	13375.5	13021.1	12741.6	12651.3
57.5°	14605.8	14656.5	14914.0	15488.4	16120.1	16505.3	15906.6	15211.1	14526.6	14123.8	14053.4
60°	16340.2	16388.6	16745.2	17568.4	18591.8	19170.7	18263.9	17126.0	16274.2	15889.0	15759.2
62.5°	18404.8	18409.2	18847.2	19809.0	21160.4	21966.0	20737.8	19216.9	18338.7	17874.3	17748.9
65°	20625.6	20636.6	21090.0	22128.8	23526.5	24402.5	23015.9	21431.1	20357.0	19672.5	19575.7
67.5°	22194.9	22241.1	22718.7	23968.9	25276.3	26066.4	24631.4	22839.8	21598.4	20781.8	20700.4
70°	21944.0	22124.4	22685.7	24145.0	25963.0	27089.9	24893.3	22672.5	21035.0	20070.9	20002.7
72.5°	19137.7	19483.2	20231.6	22146.5	25054.0	26605.7	23464.9	20306.4	18453.2	17632.2	17509.0
75°	13032.1	13593.4	14722.5	17484.7	21404.7	23035.7	19754.0	16190.6	14447.4	13311.6	13228.0
77.5°	5810.6	5938.3	7368.9	10549.4	14770.9	16542.7	14352.7	10591.2	7950.0	6341.1	6002.1
80°	1619.9	1639.7	2187.8	3928.8	7393.2	9719.6	7936.8	4126.9	2319.9	1635.3	1540.7
82.5°	515.0	559.1	682.3	1019.1	2484.9	4435.0	2551.0	1100.5	783.6	625.1	563.5
85°	250.9	248.7	345.6	413.8	633.9	981.6	675.7	510.6	446.8	297.1	268.5
87.5°	105.6	107.8	160.7	145.3	184.9	158.5	217.9	228.9	239.9	132.1	114.5
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)