

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: P316142

Luminaire Tested: **GAN-SA8D-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316142  
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-SA8D-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 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: 59649 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

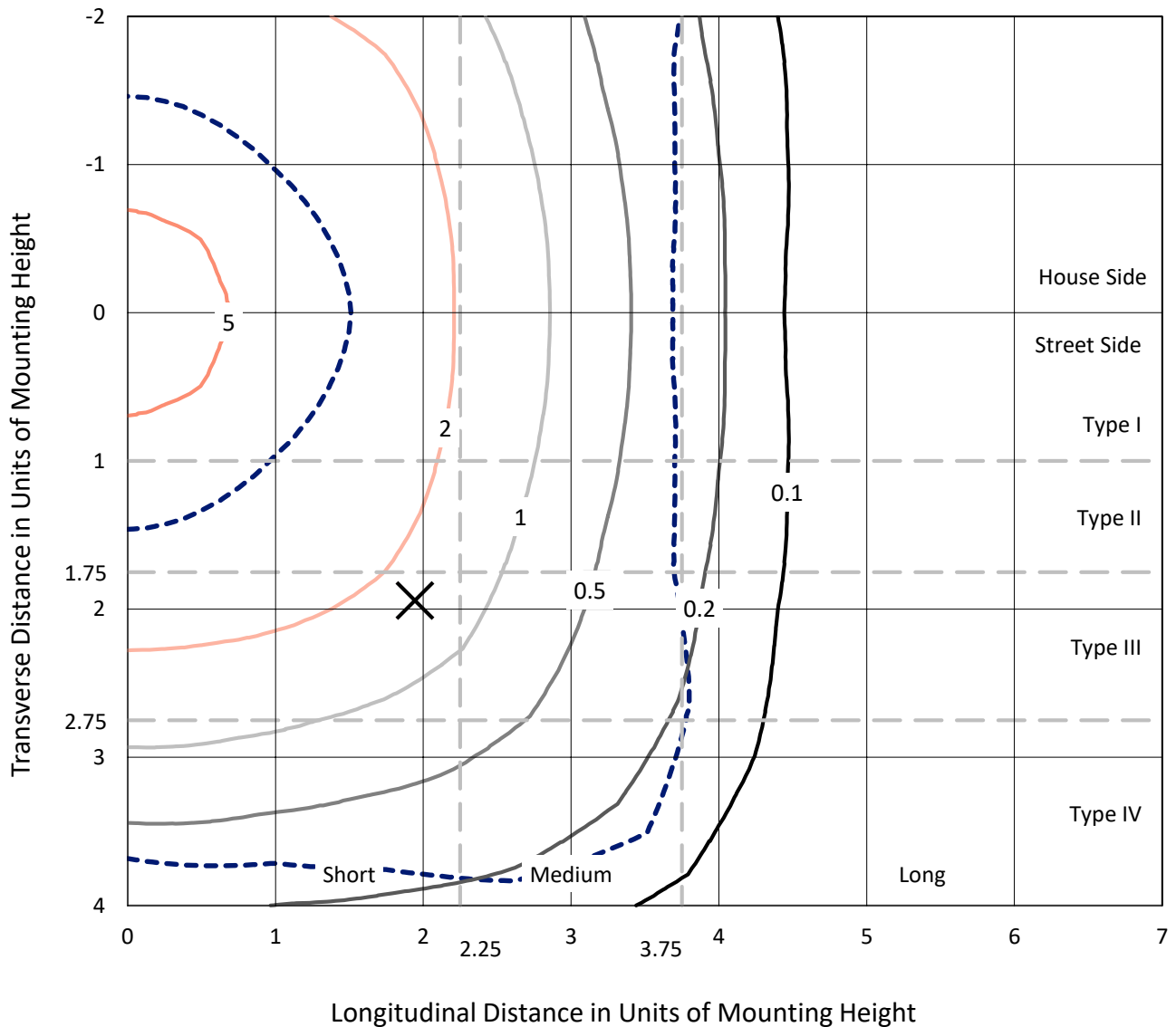
Input Watts (W): 511  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

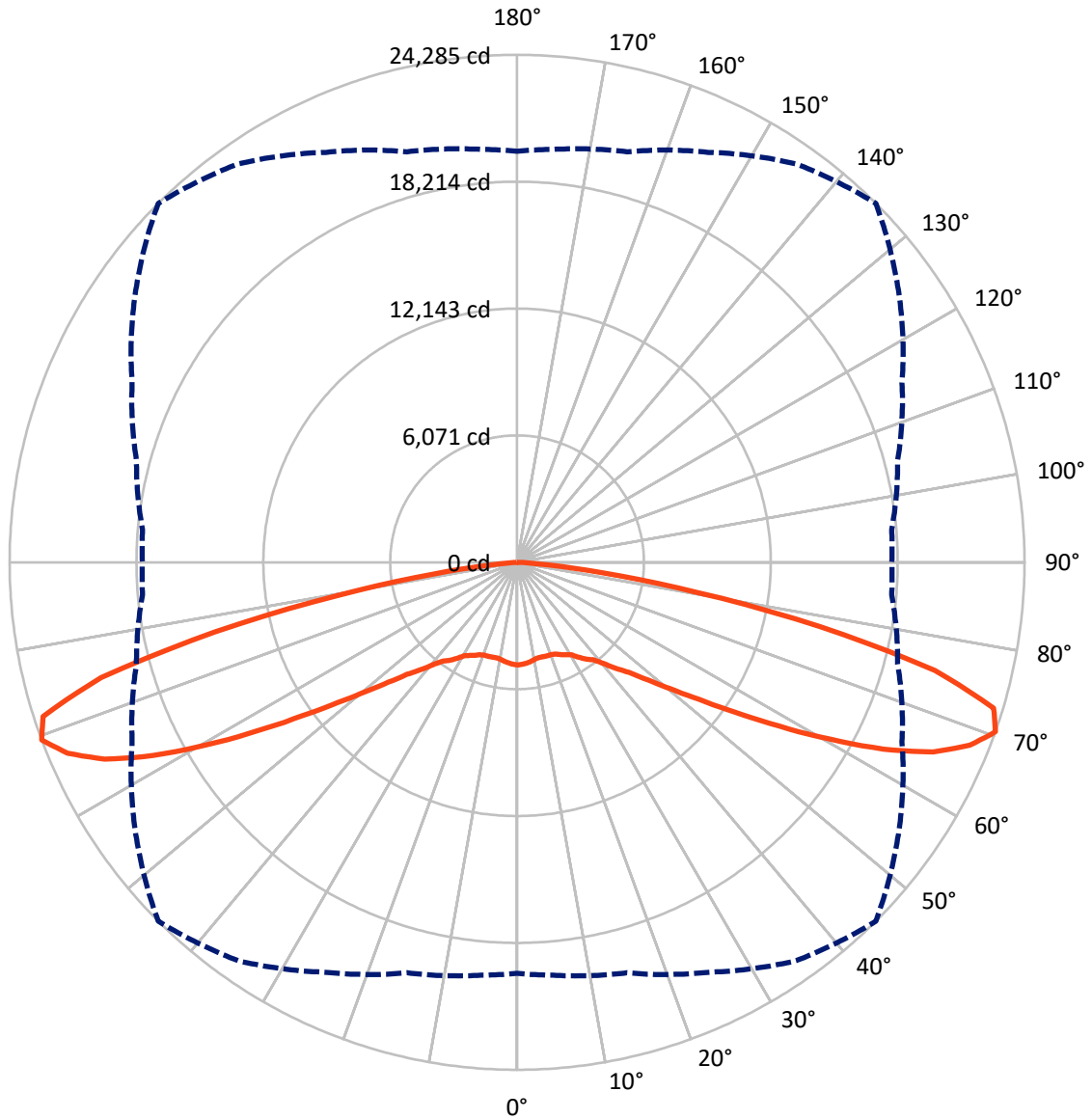
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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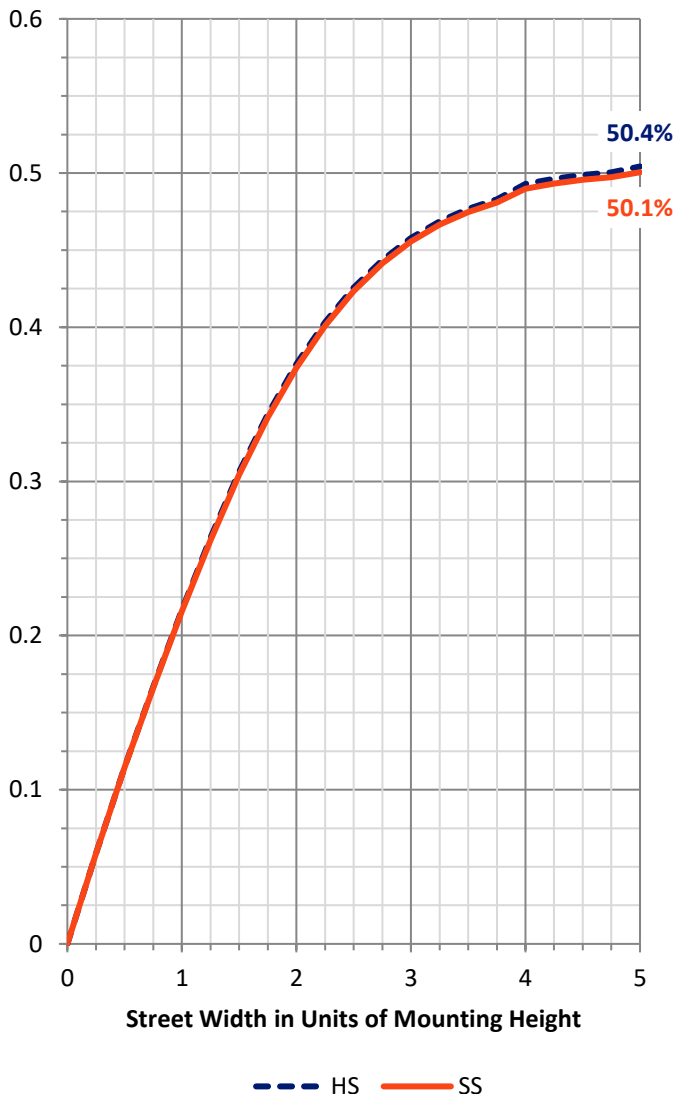
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29824.5	0.0	29824.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29824.5	0.0	29824.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	59649.0	0.0	59649.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.2	0.8
10°-20°	1338.4	2.2
20°-30°	2281.9	3.8
30°-40°	3565.5	6.0
40°-50°	6042.7	10.1
50°-60°	11019.3	18.5
60°-70°	18970.6	31.8
70°-80°	14869.8	24.9
80°-90°	1102.6	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°	59649.0	100.0
0°-180°	59649.0	100.0

**Coefficient of Utilization**



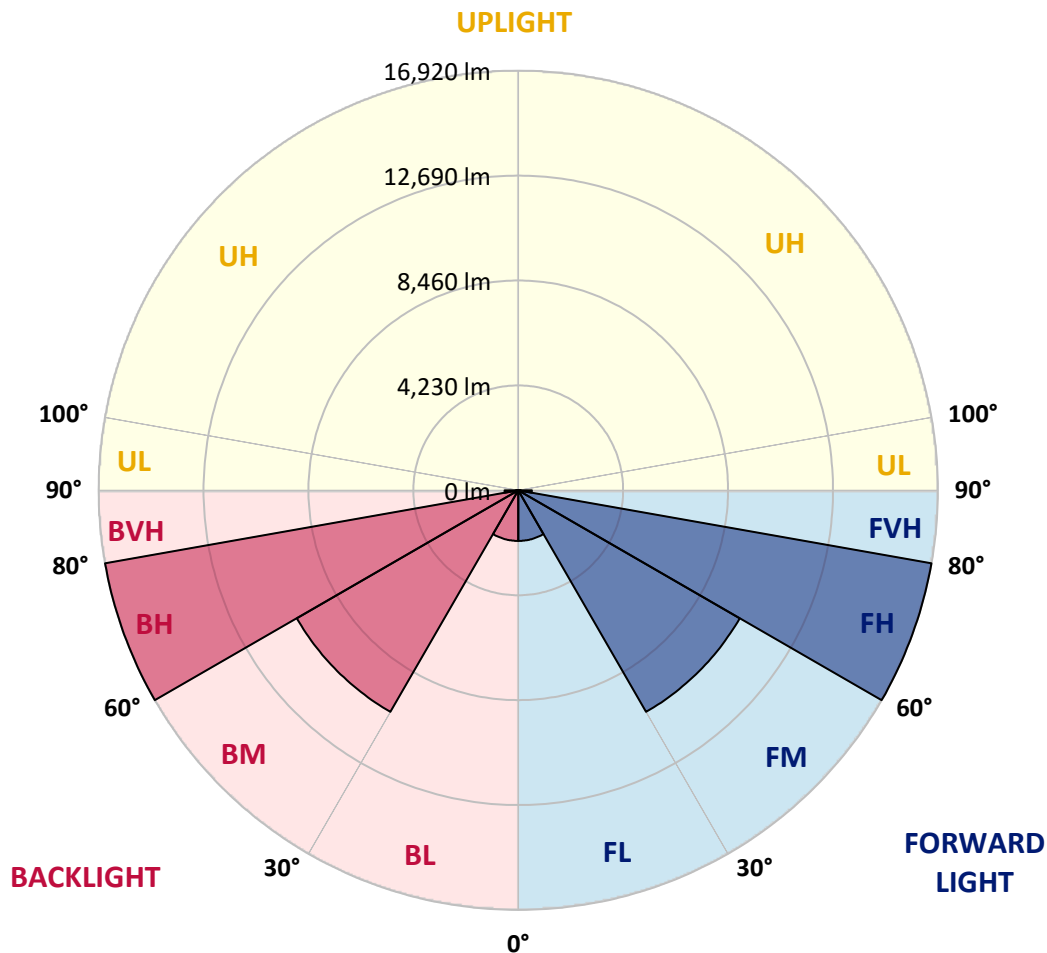
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2039.2	3.4			
FM (30°-60°)	10313.8	17.3			
FH (60°-80°)	16920.2	28.4			G5
FVH (80°-90°)	551.3	0.9			G4/750
BL (0°-30°)	2039.2	3.4	B3/2500		
BM (30°-60°)	10313.8	17.3	B5		
BH (60°-80°)	16920.2	28.4	B5		G5
BVH (80°-90°)	551.3	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°	4909.1	4909.1	4909.1	4909.1	4909.1	4909.1	4909.1	4909.1	4909.1	4909.1	4909.1
2.5°	4887.4	4893.3	4887.4	4891.4	4881.5	4885.4	4885.4	4885.4	4883.5	4885.4	4881.5
5°	4844.0	4848.0	4840.1	4844.0	4838.1	4844.0	4846.0	4844.0	4840.1	4842.0	4834.1
7.5°	4778.9	4782.8	4776.9	4782.8	4774.9	4784.8	4782.8	4776.9	4771.0	4771.0	4763.1
10°	4743.4	4745.4	4729.6	4723.6	4705.9	4709.8	4715.8	4721.7	4727.6	4739.4	4737.5
12.5°	4745.4	4745.4	4721.7	4696.0	4670.4	4676.3	4686.2	4707.9	4731.5	4753.2	4755.2
15°	4765.1	4763.1	4727.6	4686.2	4668.4	4686.2	4692.1	4705.9	4743.4	4780.9	4782.8
17.5°	4778.9	4778.9	4723.6	4676.3	4674.3	4701.9	4700.0	4705.9	4747.3	4802.6	4804.5
20°	4804.5	4804.5	4733.5	4682.2	4682.2	4711.8	4713.8	4723.6	4765.1	4826.2	4836.1
22.5°	4861.8	4863.7	4788.8	4747.3	4751.3	4769.0	4774.9	4790.7	4828.2	4895.3	4907.1
25°	4942.7	4946.6	4869.7	4846.0	4859.8	4893.3	4889.4	4901.2	4942.7	5007.8	5019.6
27.5°	5055.1	5045.3	4974.2	4964.4	4978.2	5001.9	4999.9	5001.9	5035.4	5094.6	5108.4
30°	5201.1	5197.2	5145.9	5151.8	5145.9	5138.0	5140.0	5155.8	5173.5	5220.9	5234.7
32.5°	5343.2	5347.2	5315.6	5345.2	5388.6	5418.2	5372.8	5329.4	5309.7	5335.3	5347.2
35°	5599.7	5609.6	5560.3	5540.5	5599.7	5686.5	5558.3	5487.2	5526.7	5560.3	5570.1
37.5°	6035.8	6041.7	5958.8	5879.9	5836.5	5919.4	5791.1	5797.0	5935.1	5998.3	5996.3
40°	6533.0	6535.0	6479.7	6410.7	6335.7	6355.4	6304.1	6319.9	6410.7	6467.9	6483.7
42.5°	7124.9	7119.0	7032.2	6933.5	6911.8	6931.6	6844.8	6832.9	6937.5	7040.1	7042.1
45°	7892.5	7878.7	7766.2	7657.7	7553.1	7509.7	7488.0	7545.2	7689.2	7784.0	7785.9
47.5°	8719.2	8681.7	8622.5	8535.7	8445.0	8401.5	8366.0	8393.6	8498.2	8535.7	8539.7
50°	9569.6	9577.5	9589.4	9555.8	9522.3	9508.5	9415.7	9362.5	9394.0	9325.0	9315.1
52.5°	10577.9	10593.7	10708.1	10804.8	10862.0	10891.6	10716.0	10532.5	10429.9	10295.7	10256.3
55°	11767.7	11793.3	11961.0	12229.4	12505.6	12651.6	12334.0	11990.6	11673.0	11422.4	11341.5
57.5°	13093.6	13139.0	13369.9	13884.8	14451.1	14796.4	14259.7	13636.2	13022.6	12661.5	12598.4
60°	14648.4	14691.8	15011.5	15749.4	16666.9	17185.9	16372.9	15352.8	14589.2	14243.9	14127.5
62.5°	16499.2	16503.2	16895.8	17758.1	18969.6	19691.7	18590.7	17227.3	16440.0	16023.7	15911.2
65°	18490.1	18500.0	18906.4	19837.7	21090.7	21876.0	20632.9	19212.3	18249.4	17635.7	17548.9
67.5°	19896.9	19938.4	20366.5	21487.3	22659.3	23367.7	22081.2	20475.1	19362.2	18630.2	18557.2
70°	19672.0	19833.8	20336.9	21645.1	23274.9	24285.2	22316.0	20325.1	18857.1	17992.9	17931.7
72.5°	17156.3	17466.1	18136.9	19853.5	22460.0	23851.1	21035.4	18204.0	16542.6	15806.7	15696.2
75°	11682.8	12186.0	13198.2	15674.5	19188.6	20650.7	17708.7	14514.3	12951.6	11933.4	11858.4
77.5°	5209.0	5323.5	6606.0	9457.2	13241.6	14830.0	12866.7	9494.7	7126.9	5684.6	5380.7
80°	1452.2	1470.0	1961.3	3522.0	6627.7	8713.3	7115.1	3699.6	2079.7	1466.0	1381.2
82.5°	461.7	501.2	611.7	913.6	2227.7	3975.8	2286.8	986.6	702.4	560.4	505.1
85°	224.9	223.0	309.8	370.9	568.3	880.0	605.7	457.8	400.5	266.4	240.7
87.5°	94.7	96.7	144.0	130.2	165.7	142.1	195.3	205.2	215.1	118.4	102.6
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)