

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: P316460

Luminaire Tested: **GAN-SA6D-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6D-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44397 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

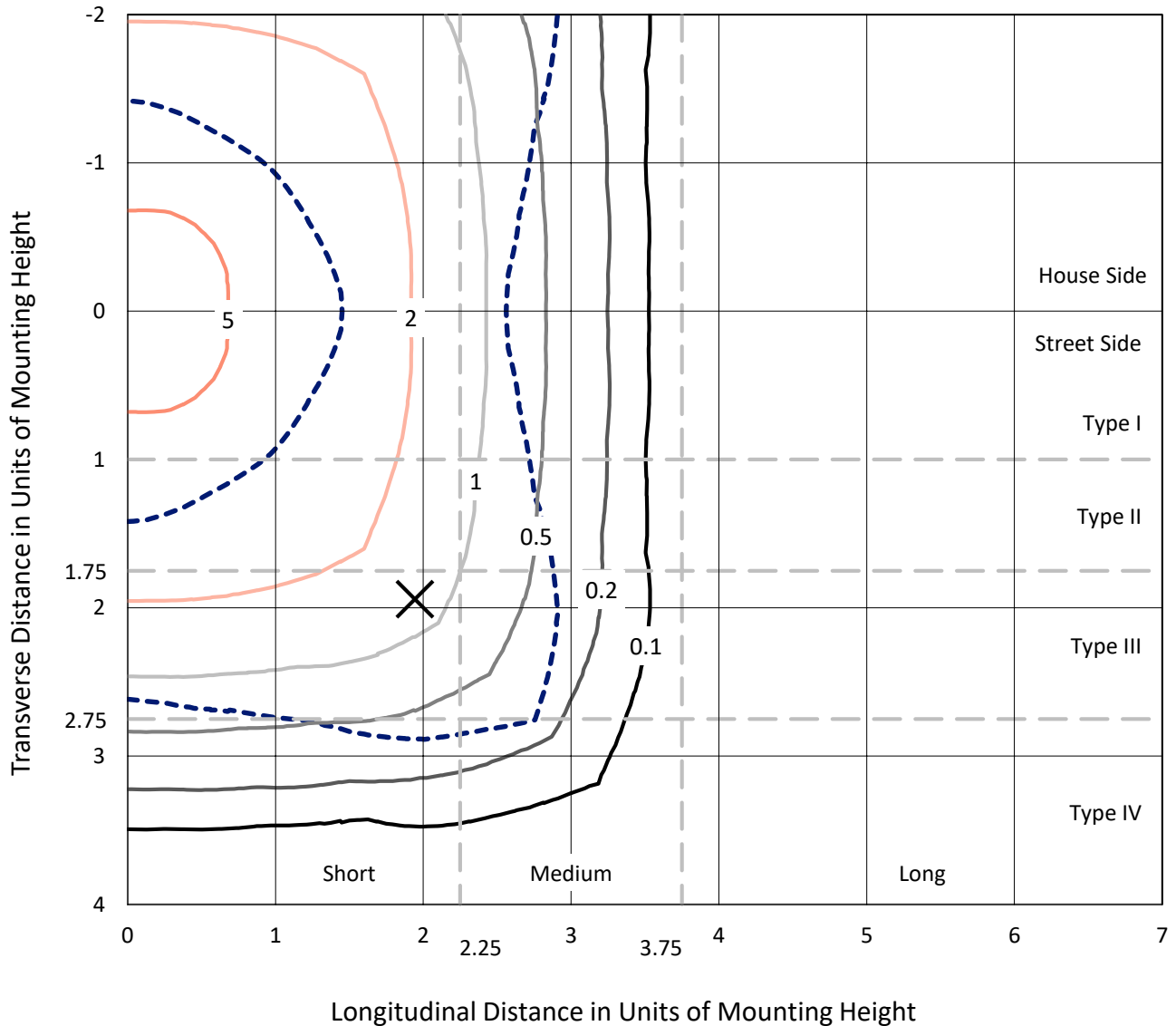
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

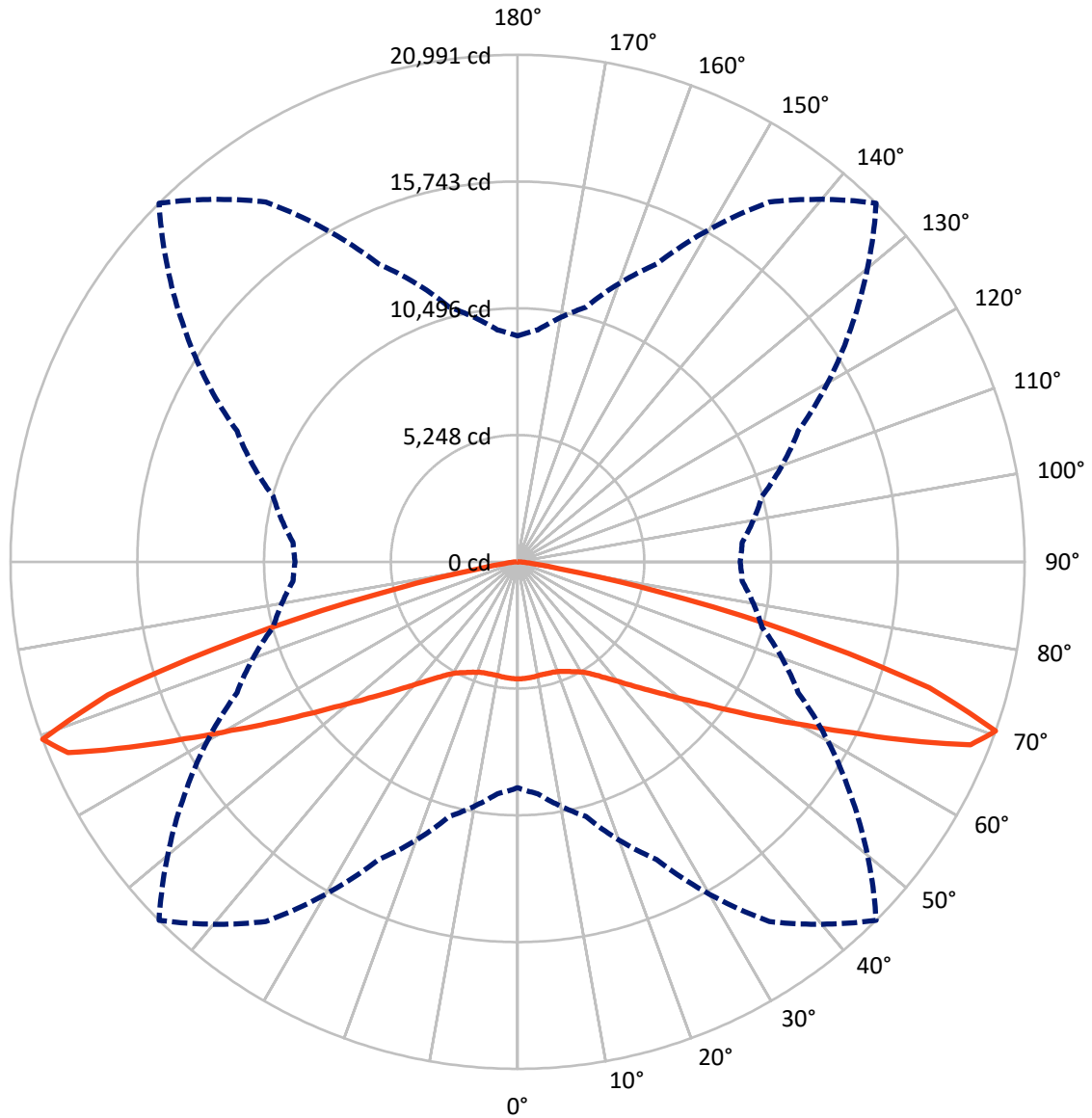
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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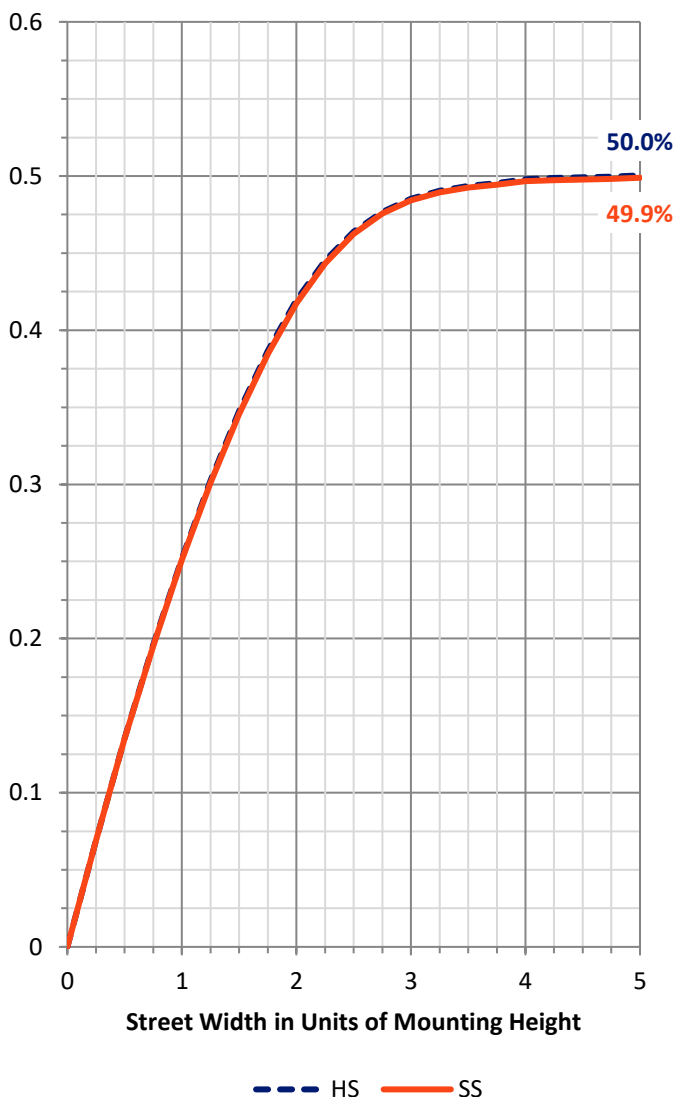
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22198.5	0.0	22198.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22198.5	0.0	22198.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44397.0	0.0	44397.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	459.2	1.0
10°-20°	1348.2	3.0
20°-30°	2295.1	5.2
30°-40°	3640.0	8.2
40°-50°	5923.3	13.3
50°-60°	9766.5	22.0
60°-70°	14337.5	32.3
70°-80°	6340.0	14.3
80°-90°	287.1	0.6
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°	44397.0	100.0
0°-180°	44397.0	100.0

**Coefficient of Utilization**

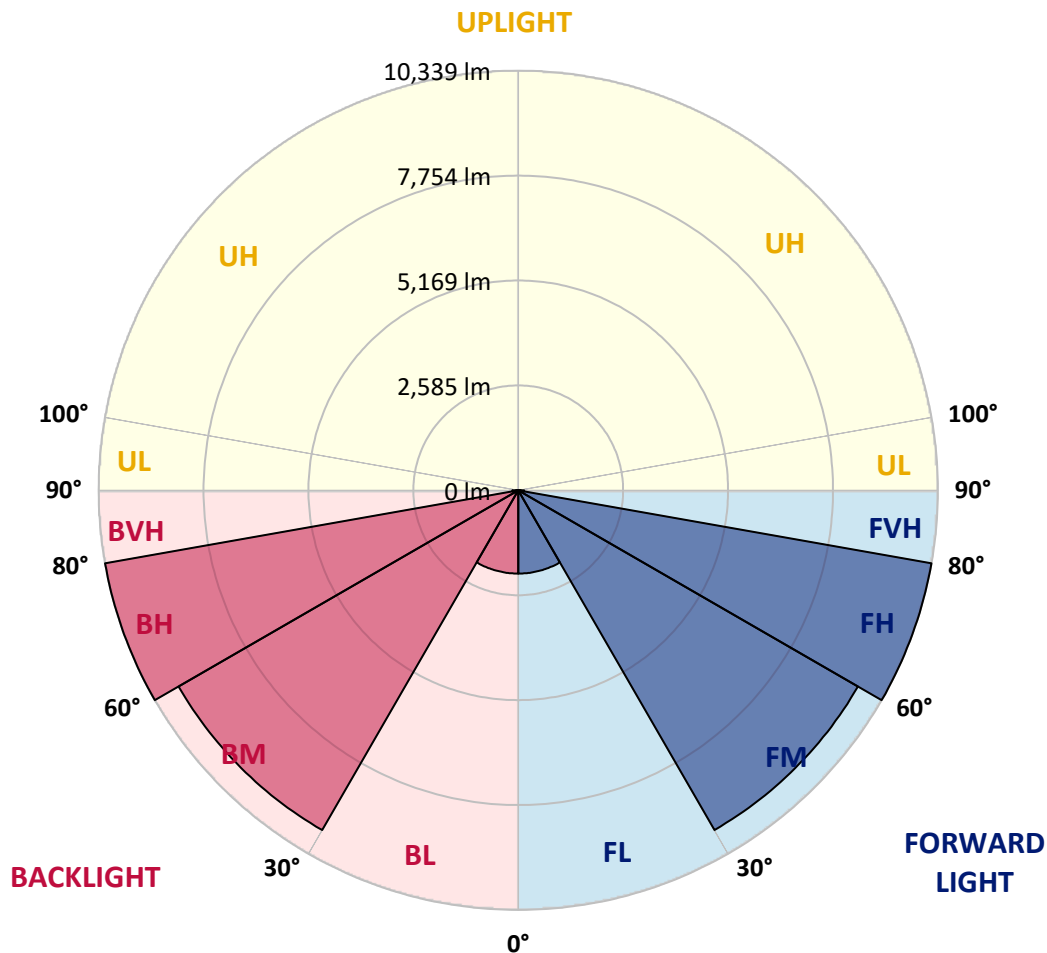


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2051.3	4.6			
FM (30°-60°)	9664.9	21.8			
FH (60°-80°)	10338.8	23.3			G4/12000
FVH (80°-90°)	143.6	0.3			G2/225
BL (0°-30°)	2051.3	4.6	B3/2500		
BM (30°-60°)	9664.9	21.8	B5		
BH (60°-80°)	10338.8	23.3	B5		G4/12000
BVH (80°-90°)	143.6	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4848.8	4848.8	4848.8	4848.8	4848.8	4848.8	4848.8	4848.8	4848.8	4848.8	4848.8
2.5°	4841.5	4837.1	4847.4	4845.9	4837.1	4838.6	4838.6	4843.0	4843.0	4840.0	4840.0
5°	4823.9	4820.9	4832.7	4832.7	4823.9	4826.8	4829.7	4834.1	4832.7	4829.7	4828.3
7.5°	4801.8	4800.4	4812.1	4812.1	4806.2	4809.2	4806.2	4807.7	4804.8	4801.8	4797.4
10°	4765.1	4768.0	4778.3	4781.3	4781.3	4782.7	4779.8	4772.4	4768.0	4763.6	4759.2
12.5°	4731.3	4729.8	4744.5	4751.9	4763.6	4776.8	4768.0	4747.5	4738.6	4729.8	4726.9
15°	4709.3	4710.7	4725.4	4738.6	4759.2	4787.1	4776.8	4744.5	4726.9	4716.6	4713.7
17.5°	4704.8	4707.8	4726.9	4750.4	4772.4	4803.3	4797.4	4765.1	4735.7	4716.6	4712.2
20°	4715.1	4716.6	4746.0	4779.8	4818.0	4847.4	4834.1	4798.9	4759.2	4729.8	4722.5
22.5°	4734.2	4740.1	4776.8	4829.7	4888.5	4928.2	4912.0	4851.8	4790.1	4753.3	4743.1
25°	4794.5	4795.9	4845.9	4917.9	4988.4	5034.0	5014.9	4929.7	4850.3	4809.2	4795.9
27.5°	4919.4	4923.8	4973.7	5057.5	5117.7	5147.1	5135.4	5066.3	4998.7	4954.6	4959.0
30°	5100.1	5106.0	5161.8	5254.4	5291.1	5298.5	5295.5	5263.2	5201.5	5142.7	5147.1
32.5°	5320.5	5323.4	5398.4	5482.1	5511.5	5517.4	5511.5	5482.1	5408.7	5329.3	5333.7
35°	5604.1	5612.9	5684.9	5765.7	5789.2	5801.0	5790.7	5752.5	5676.1	5598.2	5595.3
37.5°	5953.8	5955.3	6030.2	6114.0	6143.3	6146.3	6134.5	6109.5	6014.0	5943.5	5939.1
40°	6359.3	6365.2	6453.4	6543.0	6554.8	6541.5	6557.7	6543.0	6444.6	6363.7	6377.0
42.5°	6853.0	6866.3	6972.0	7060.2	7026.4	7019.1	7029.4	7033.8	6954.4	6856.0	6847.2
45°	7427.5	7439.3	7571.5	7642.1	7620.0	7571.5	7592.1	7627.4	7517.2	7395.2	7407.0
47.5°	8082.9	8112.3	8253.3	8319.4	8265.1	8199.0	8238.6	8291.5	8162.2	8010.9	8003.5
50°	8811.7	8848.4	9036.5	9129.0	9074.7	8952.7	9018.8	9054.1	8867.5	8672.1	8655.9
52.5°	9589.0	9625.7	9862.3	10053.3	10018.0	9828.5	9921.0	9884.3	9669.8	9406.8	9386.2
55°	10469.1	10483.8	10739.5	11048.0	11083.3	10943.7	10937.8	10877.6	10560.2	10256.0	10241.3
57.5°	11374.2	11384.5	11715.1	12079.5	12245.5	12245.5	12081.0	11953.1	11531.4	11178.8	11142.1
60°	12351.3	12388.1	12753.9	13249.1	13637.0	13751.6	13460.7	13112.4	12654.0	12223.5	12180.9
62.5°	13221.2	13263.8	13823.6	14561.2	15184.2	15601.5	14890.4	14323.2	13488.6	12798.0	12717.2
65°	13331.4	13446.0	14261.5	15597.1	16991.5	17824.6	16461.1	15063.7	13543.0	12583.5	12501.2
67.5°	12175.0	12369.0	13471.0	15550.1	18431.5	20219.7	17464.7	14640.6	12567.3	11506.5	11415.4
70°	9355.3	9637.4	10908.4	13601.7	18183.2	20991.1	16835.8	12817.1	10477.9	9336.2	9208.4
72.5°	5132.4	5248.5	6391.7	9314.2	14577.4	17837.9	14042.5	9477.3	6948.5	5654.0	5439.5
75°	1628.0	1669.2	2251.0	3811.5	8246.0	11815.0	8920.4	4652.0	2561.1	1888.1	1866.1
77.5°	722.9	727.3	814.0	1112.3	2840.2	5986.1	3411.8	1266.6	872.8	762.6	787.6
80°	457.0	457.0	504.0	551.0	772.9	1738.2	922.7	602.4	514.3	477.5	487.8
82.5°	218.9	242.4	327.7	352.6	424.6	584.8	473.1	393.8	343.8	255.7	238.0
85°	144.0	120.5	207.2	233.6	246.9	280.6	274.8	260.1	224.8	127.8	142.5
87.5°	64.7	61.7	107.3	98.4	92.6	70.5	105.8	130.8	126.4	63.2	63.2
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)