

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: P317100

Luminaire Tested: **GAN-SA6D-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6D-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43200 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

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

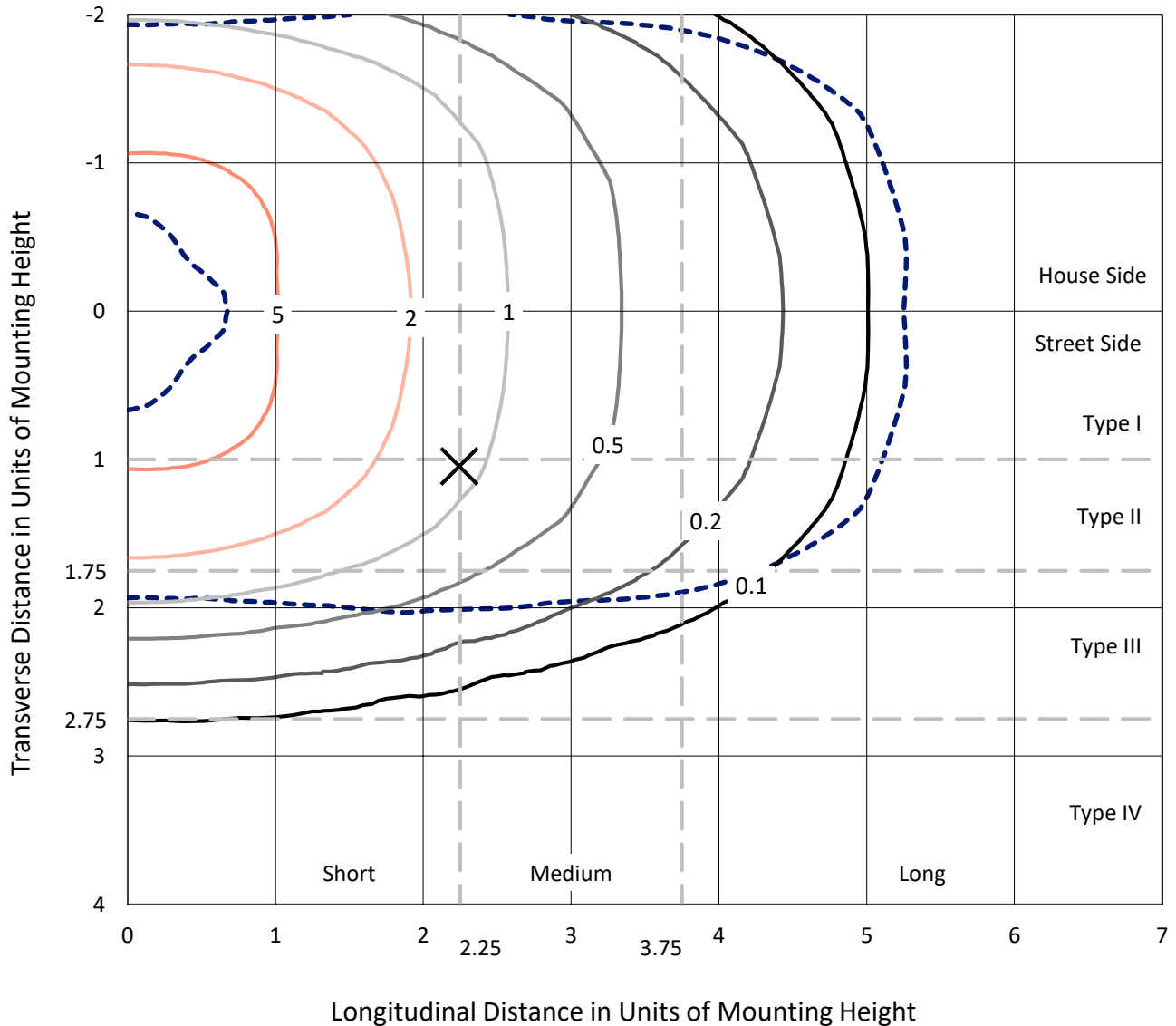




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### Iso-Footcandle Lines of Horizontal Illumination

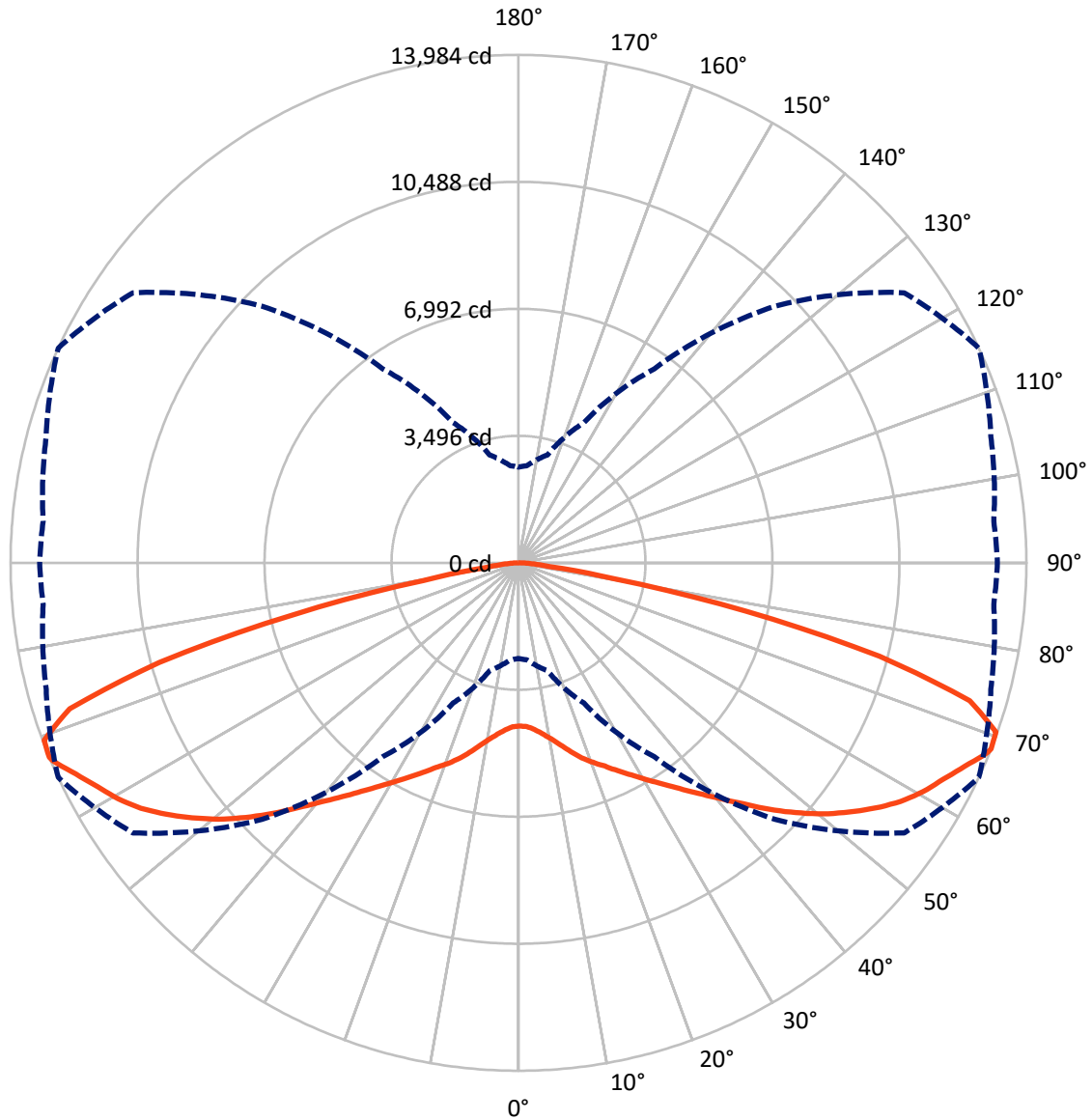
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21600.0	0.0	21600.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21600.0	0.0	21600.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43200.0	0.0	43200.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	439.8	1.0
10°-20°	1472.6	3.4
20°-30°	2871.1	6.6
30°-40°	4823.2	11.2
40°-50°	7599.7	17.6
50°-60°	10163.3	23.5
60°-70°	9880.1	22.9
70°-80°	5400.9	12.5
80°-90°	549.3	1.3
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°	43200.0	100.0
0°-180°	43200.0	100.0

**Coefficient of Utilization**

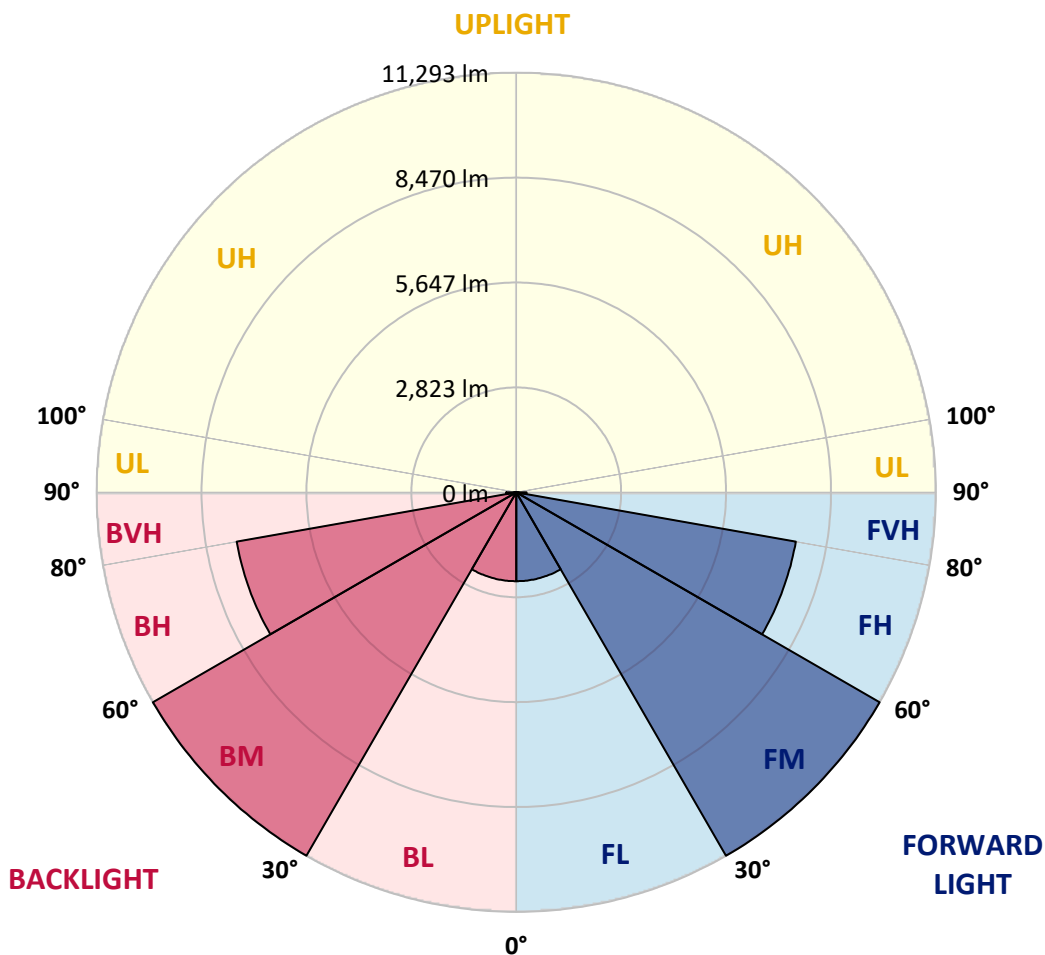


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2391.7	5.5			
FM (30°-60°)	11293.2	26.1			
FH (60°-80°)	7640.5	17.7			G4/12000
FVH (80°-90°)	274.6	0.6			G3/500
BL (0°-30°)	2391.7	5.5	B3/2500		
BM (30°-60°)	11293.2	26.1	B5		
BH (60°-80°)	7640.5	17.7	B5		G5
BVH (80°-90°)	274.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4491.8	4491.8	4491.8	4491.8	4491.8	4491.8	4491.8	4491.8	4491.8	4491.8	4491.8
2.5°	4459.9	4461.4	4468.6	4477.3	4484.5	4503.4	4507.7	4515.0	4517.9	4525.1	4525.1
5°	4420.8	4423.7	4441.1	4464.3	4490.3	4536.7	4570.0	4607.7	4626.5	4646.8	4645.3
7.5°	4416.5	4423.7	4448.3	4486.0	4529.4	4606.2	4675.7	4751.1	4801.8	4848.1	4845.2
10°	4461.4	4473.0	4507.7	4564.2	4629.4	4725.0	4827.8	4929.2	5017.6	5088.6	5091.5
12.5°	4529.4	4543.9	4599.0	4684.4	4782.9	4906.1	5027.7	5142.2	5263.8	5369.6	5378.3
15°	4619.3	4638.1	4720.6	4848.1	4998.8	5145.1	5275.4	5392.7	5533.3	5679.5	5694.0
17.5°	4752.5	4778.6	4887.2	5059.6	5258.0	5418.8	5555.0	5643.3	5760.7	5911.3	5938.8
20°	4955.3	4988.6	5126.2	5331.9	5573.8	5741.8	5846.1	5865.0	5922.9	6057.6	6089.5
22.5°	5218.9	5247.9	5401.4	5646.2	5917.1	6099.6	6154.7	6079.3	6073.5	6182.2	6212.6
25°	5513.0	5539.0	5717.2	5992.4	6283.6	6484.9	6483.5	6337.2	6235.8	6319.8	6351.7
27.5°	5843.2	5883.8	6054.7	6344.4	6655.8	6854.3	6842.7	6616.7	6424.1	6445.8	6473.3
30°	6222.7	6267.6	6434.2	6728.3	7039.7	7233.8	7219.3	6920.9	6631.2	6573.3	6593.5
32.5°	6693.5	6747.1	6905.0	7194.7	7469.9	7645.2	7603.2	7251.2	6880.4	6754.3	6773.2
35°	7259.9	7291.7	7458.3	7743.7	7966.7	8086.9	7998.6	7633.6	7196.1	7044.0	7044.0
37.5°	7833.5	7858.1	8044.9	8321.6	8537.4	8601.2	8428.8	8052.2	7608.9	7393.1	7397.5
40°	8383.9	8450.5	8660.6	8944.5	9157.4	9174.8	8945.9	8530.2	8068.1	7845.0	7871.1
42.5°	8958.9	9024.1	9274.7	9596.3	9784.6	9813.6	9545.6	9066.1	8586.7	8405.6	8434.6
45°	9471.7	9523.9	9813.6	10187.3	10421.9	10497.2	10180.0	9680.3	9147.2	8970.5	8977.8
47.5°	9829.5	9897.6	10216.2	10656.6	10998.4	11114.3	10802.9	10278.5	9699.1	9484.7	9503.6
50°	10154.0	10190.2	10513.2	10994.1	11428.6	11667.6	11401.1	10869.5	10256.8	10029.4	10049.7
52.5°	10335.0	10381.4	10694.2	11195.4	11709.6	12094.9	11932.7	11401.1	10795.6	10574.0	10598.6
55°	10209.0	10243.8	10618.9	11240.3	11883.5	12358.6	12383.2	11921.1	11324.3	11130.2	11199.8
57.5°	9635.4	9678.8	10136.6	10950.6	11905.2	12536.7	12722.1	12403.5	11818.3	11660.4	11700.9
60°	8738.8	8766.3	9254.4	10169.9	11482.2	12610.6	12938.0	12797.5	12302.1	12144.2	12199.2
62.5°	7141.1	7181.6	7765.4	8992.3	10588.5	12391.9	13146.5	13123.4	12752.6	12607.7	12657.0
65°	4881.4	4952.4	5598.4	7149.8	9211.0	11722.7	13336.3	13502.9	13150.9	12968.4	13033.6
67.5°	2947.7	2999.8	3467.7	4720.6	7048.4	10372.7	13140.7	13934.5	13431.9	13137.9	13191.4
68°	2634.8	2682.6	3073.7	4260.0	6519.7	9991.7	12962.6	13983.8	13462.3	13135.0	13182.8
70°	1591.9	1623.8	1885.9	2633.4	4346.9	7926.2	11747.3	13943.2	13656.4	13175.5	13203.0
72.5°	1037.1	1047.3	1090.7	1351.4	2220.5	4432.4	8817.0	12993.0	13947.6	13411.6	13407.3
75°	861.9	856.1	860.4	890.8	1095.1	1943.9	5152.3	10264.0	13295.7	13039.4	12948.1
77.5°	728.6	724.2	722.8	724.2	732.9	938.6	2236.5	6393.7	10174.2	11534.4	11615.5
80°	589.5	583.7	602.6	593.9	567.8	583.7	937.2	2659.4	4796.0	5159.5	4835.1
82.5°	428.8	407.0	488.1	465.0	443.2	411.4	517.1	859.0	1144.3	785.1	551.9
85°	330.3	307.1	370.8	356.3	304.2	210.0	307.1	420.1	463.5	265.1	208.6
87.5°	134.7	142.0	268.0	211.5	178.2	101.4	126.0	168.0	226.0	113.0	86.9
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)