

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: P316450

Luminaire Tested: **GAN-SA6C-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316450  
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-SA6C-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40471 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

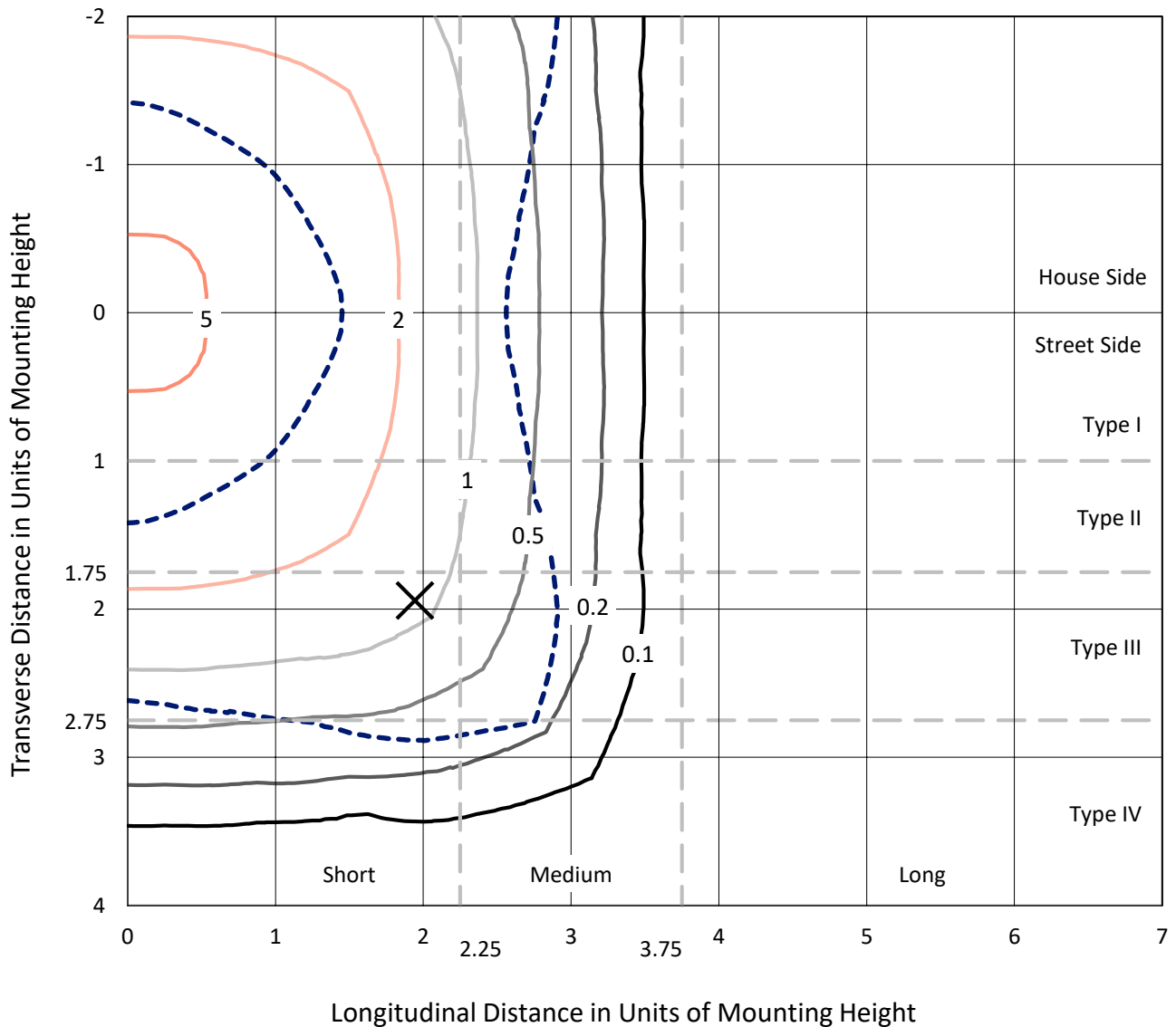
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

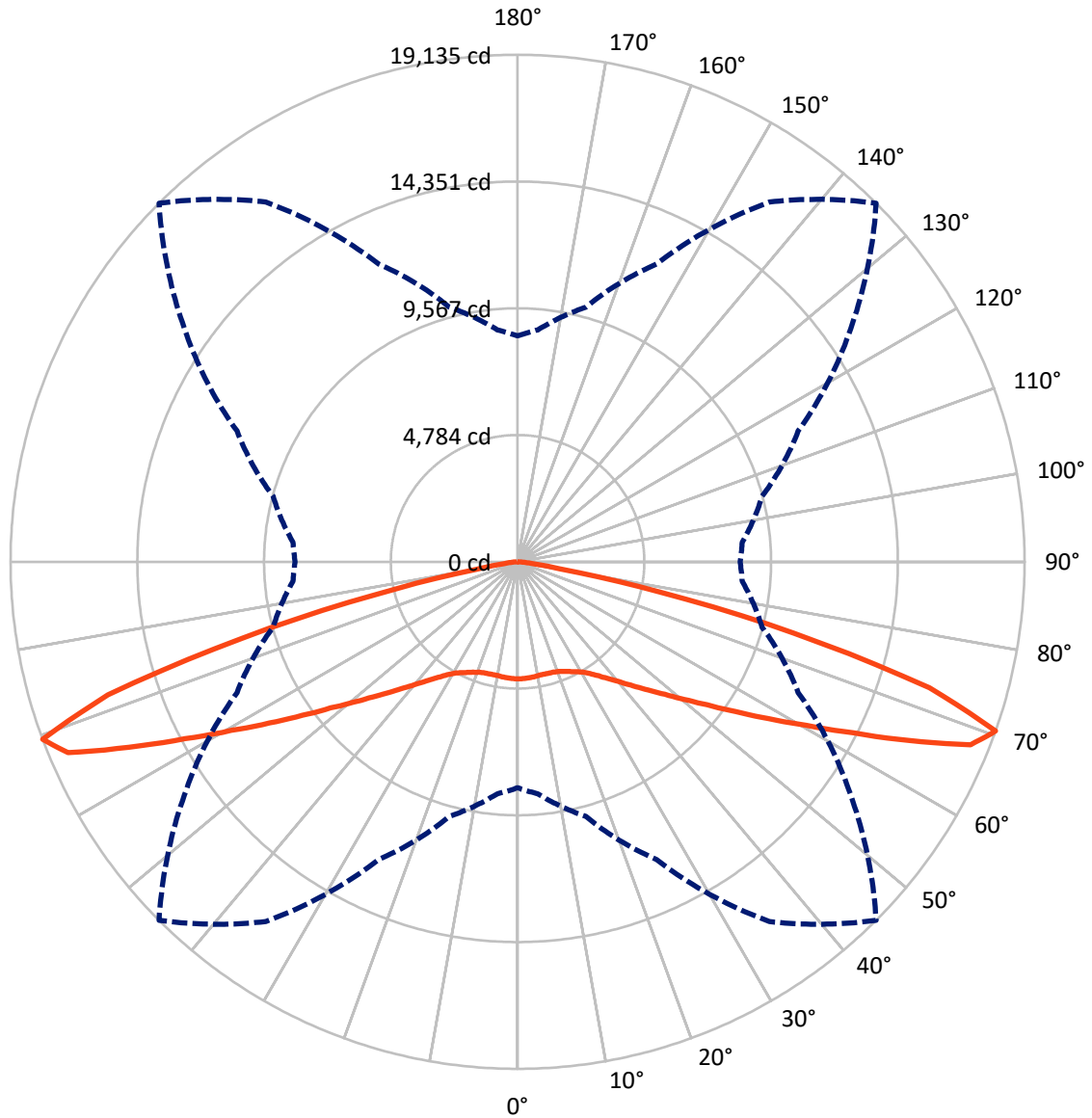
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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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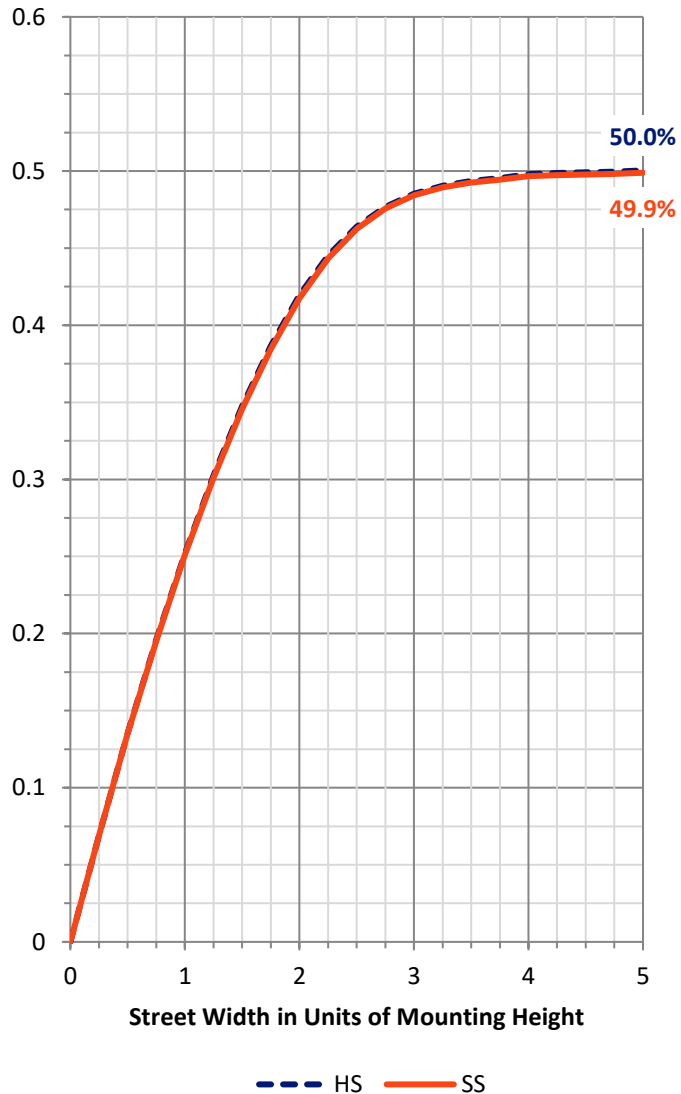
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20235.5	0.0	20235.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20235.5	0.0	20235.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40471.0	0.0	40471.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	418.6	1.0
10°-20°	1229.0	3.0
20°-30°	2092.1	5.2
30°-40°	3318.1	8.2
40°-50°	5399.5	13.3
50°-60°	8902.9	22.0
60°-70°	13069.7	32.3
70°-80°	5779.4	14.3
80°-90°	261.7	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°	40471.0	100.0
0°-180°	40471.0	100.0

**Coefficient of Utilization**



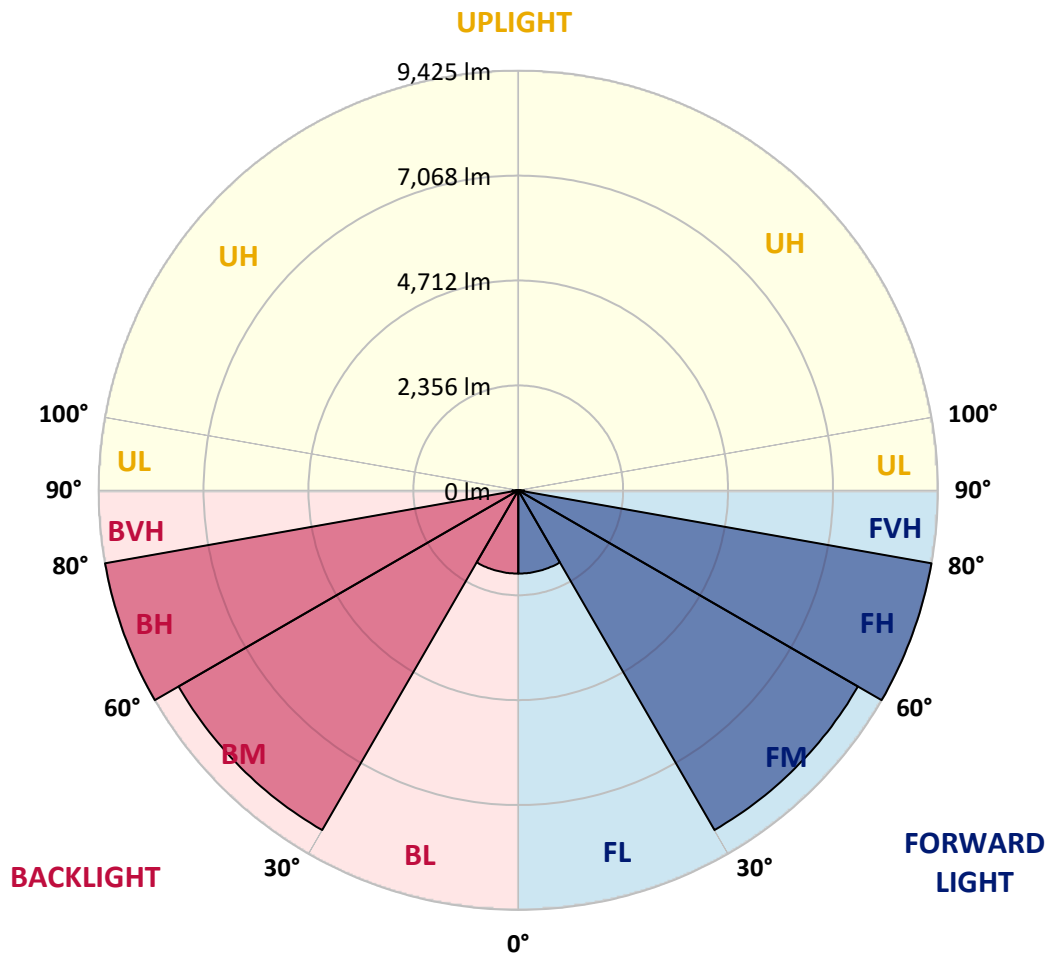
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1869.9	4.6			
FM (30°-60°)	8810.3	21.8			
FH (60°-80°)	9424.5	23.3			G4/12000
FVH (80°-90°)	130.9	0.3			G2/225
BL (0°-30°)	1869.9	4.6	B3/2500		
BM (30°-60°)	8810.3	21.8	B5		
BH (60°-80°)	9424.5	23.3	B5		G4/12000
BVH (80°-90°)	130.9	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°	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1
2.5°	4413.4	4409.3	4418.7	4417.4	4409.3	4410.7	4410.7	4414.7	4414.7	4412.0	4412.0
5°	4397.3	4394.6	4405.3	4405.3	4397.3	4400.0	4402.7	4406.7	4405.3	4402.7	4401.3
7.5°	4377.2	4375.9	4386.6	4386.6	4381.2	4383.9	4381.2	4382.6	4379.9	4377.2	4373.2
10°	4343.7	4346.4	4355.8	4358.5	4358.5	4359.8	4357.1	4350.4	4346.4	4342.4	4338.4
12.5°	4312.9	4311.6	4325.0	4331.7	4342.4	4354.4	4346.4	4327.6	4319.6	4311.6	4308.9
15°	4292.8	4294.2	4307.6	4319.6	4338.4	4363.8	4354.4	4325.0	4308.9	4299.5	4296.8
17.5°	4288.8	4291.5	4308.9	4330.3	4350.4	4378.5	4373.2	4343.7	4316.9	4299.5	4295.5
20°	4298.2	4299.5	4326.3	4357.1	4391.9	4418.7	4406.7	4374.5	4338.4	4311.6	4304.9
22.5°	4315.6	4320.9	4354.4	4402.7	4456.2	4492.4	4477.7	4422.7	4366.5	4333.0	4323.6
25°	4370.5	4371.8	4417.4	4483.0	4547.3	4588.8	4571.4	4493.7	4421.4	4383.9	4371.8
27.5°	4484.4	4488.4	4533.9	4610.3	4665.2	4692.0	4681.2	4618.3	4556.7	4516.5	4520.5
30°	4649.1	4654.5	4705.4	4789.7	4823.2	4829.9	4827.2	4797.8	4741.5	4687.9	4692.0
32.5°	4850.0	4852.7	4921.0	4997.4	5024.1	5029.5	5024.1	4997.4	4930.4	4858.1	4862.1
35°	5108.5	5116.6	5182.2	5255.9	5277.3	5288.0	5278.6	5243.8	5174.2	5103.2	5100.5
37.5°	5427.3	5428.6	5497.0	5573.3	5600.1	5602.8	5592.0	5569.3	5482.2	5417.9	5413.9
40°	5797.0	5802.3	5882.7	5964.4	5975.1	5963.1	5977.8	5964.4	5874.7	5801.0	5813.1
42.5°	6247.0	6259.1	6355.5	6435.9	6405.1	6398.4	6407.8	6411.8	6339.4	6249.7	6241.7
45°	6770.7	6781.4	6902.0	6966.3	6946.2	6902.0	6920.7	6952.9	6852.4	6741.3	6752.0
47.5°	7368.1	7394.9	7523.5	7583.8	7534.2	7473.9	7510.1	7558.3	7440.4	7302.5	7295.8
50°	8032.5	8065.9	8237.4	8321.8	8272.2	8161.0	8221.3	8253.5	8083.4	7905.2	7890.5
52.5°	8741.0	8774.5	8990.1	9164.3	9132.1	8959.3	9043.7	9010.2	8814.7	8574.9	8556.2
55°	9543.3	9556.7	9789.8	10071.0	10103.2	9975.9	9970.6	9915.7	9626.4	9349.1	9335.7
57.5°	10368.4	10377.8	10679.1	11011.3	11162.7	11162.7	11012.7	10896.1	10511.7	10190.3	10156.8
60°	11259.1	11292.6	11626.1	12077.5	12431.1	12535.6	12270.4	11952.9	11535.0	11142.6	11103.7
62.5°	12052.0	12090.9	12601.2	13273.6	13841.5	14221.9	13573.6	13056.6	12295.8	11666.3	11592.6
65°	12152.5	12257.0	13000.3	14217.9	15489.0	16248.4	15005.4	13731.7	12345.4	11470.7	11395.7
67.5°	11098.4	11275.2	12279.7	14175.0	16801.6	18431.7	15920.3	13345.9	11456.0	10488.9	10405.9
70°	8528.0	8785.2	9943.8	12398.9	16575.2	19134.9	15347.0	11683.7	9551.4	8510.6	8394.1
72.5°	4678.6	4784.4	5826.4	8490.5	13288.3	16260.5	12800.8	8639.2	6334.1	5154.1	4958.5
75°	1484.1	1521.6	2052.0	3474.4	7516.8	10770.2	8131.6	4240.6	2334.6	1721.1	1701.1
77.5°	659.0	663.0	742.0	1013.9	2589.1	5456.8	3110.1	1154.6	795.6	695.2	717.9
80°	416.6	416.6	459.4	502.3	704.5	1584.5	841.2	549.2	468.8	435.3	444.7
82.5°	199.6	221.0	298.7	321.5	387.1	533.1	431.3	359.0	313.4	233.1	217.0
85°	131.3	109.8	188.9	213.0	225.0	255.8	250.5	237.1	204.9	116.5	129.9
87.5°	58.9	56.3	97.8	89.7	84.4	64.3	96.4	119.2	115.2	57.6	57.6
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)