

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: P316770

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39740 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

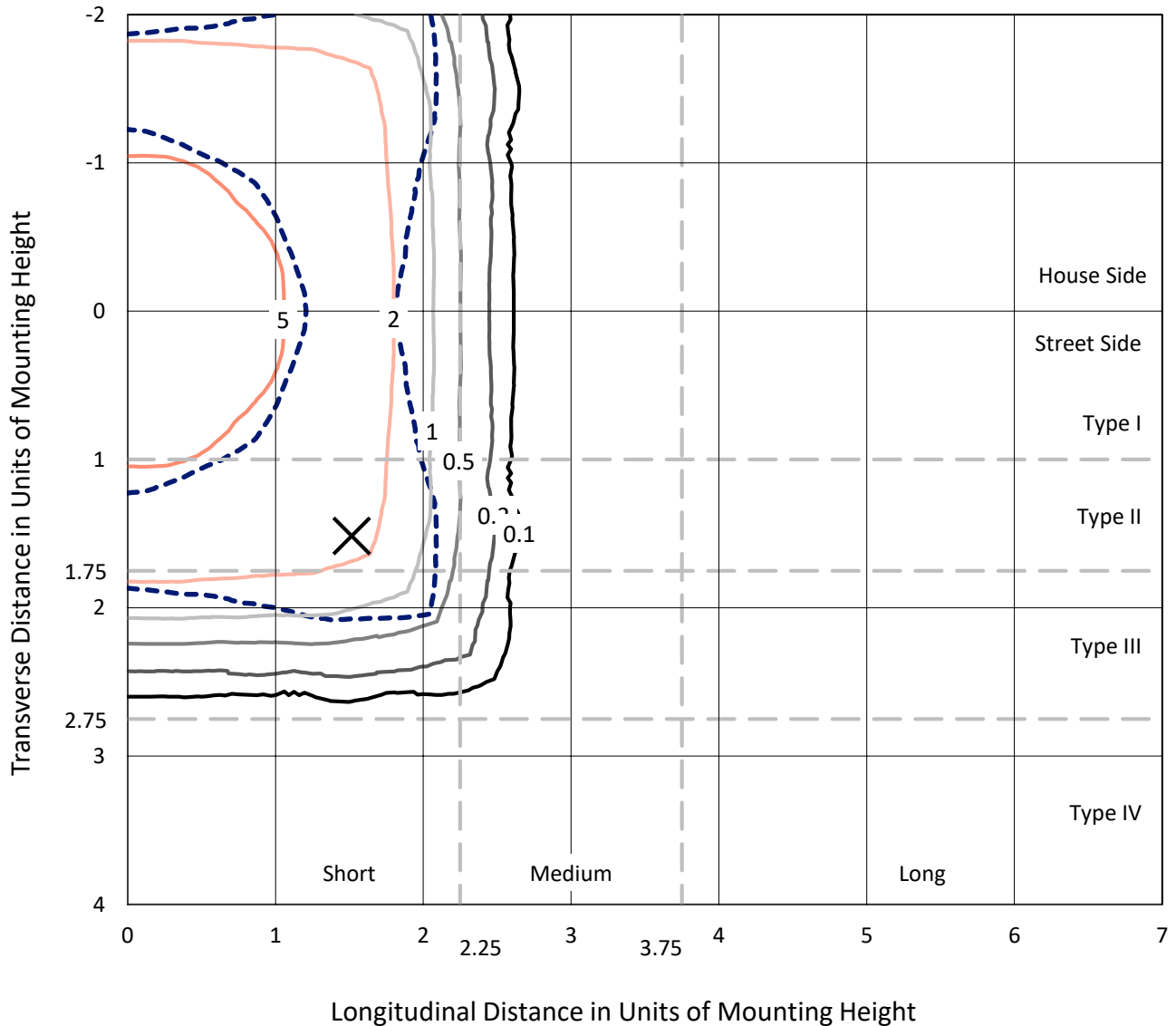
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

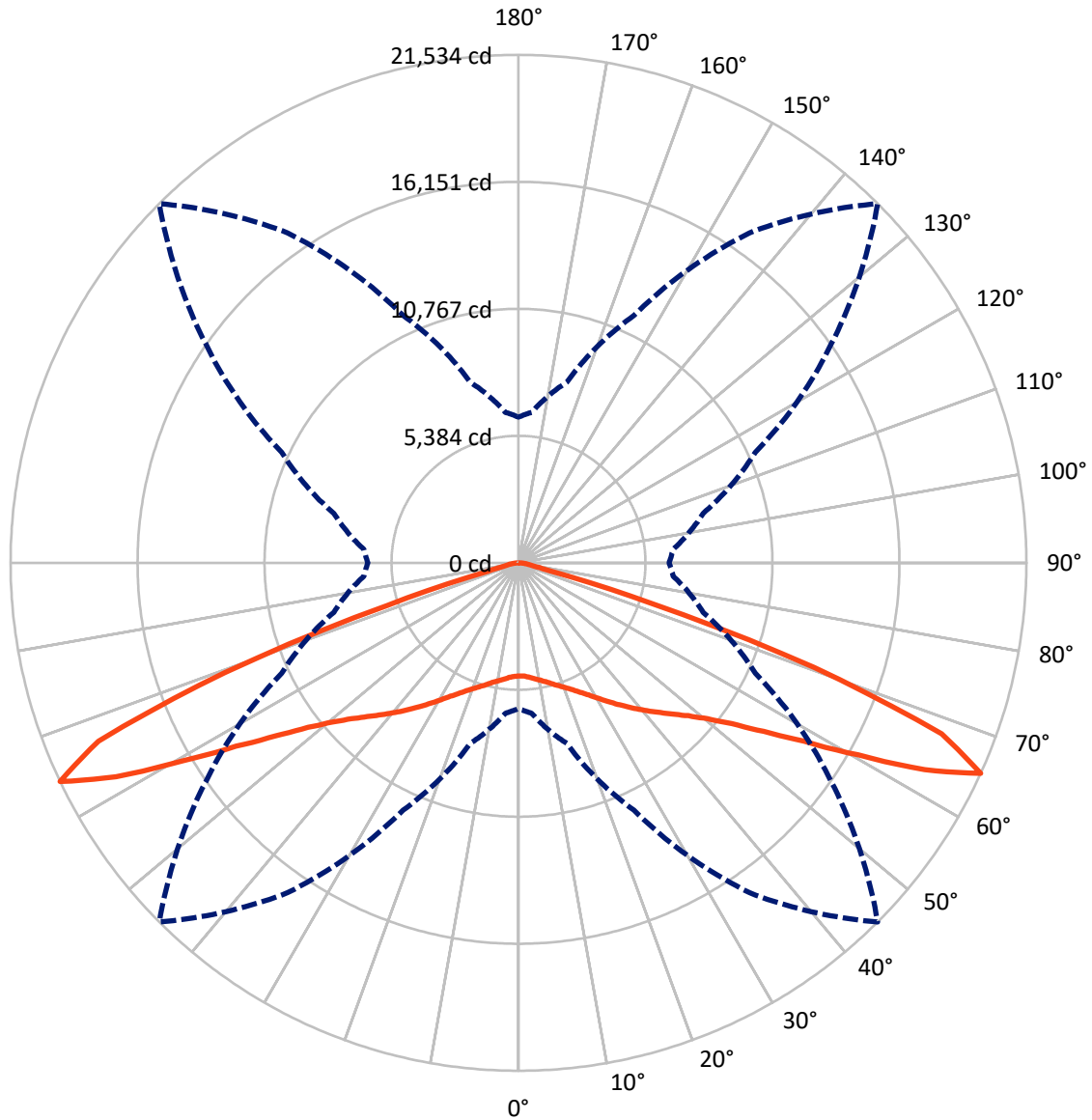
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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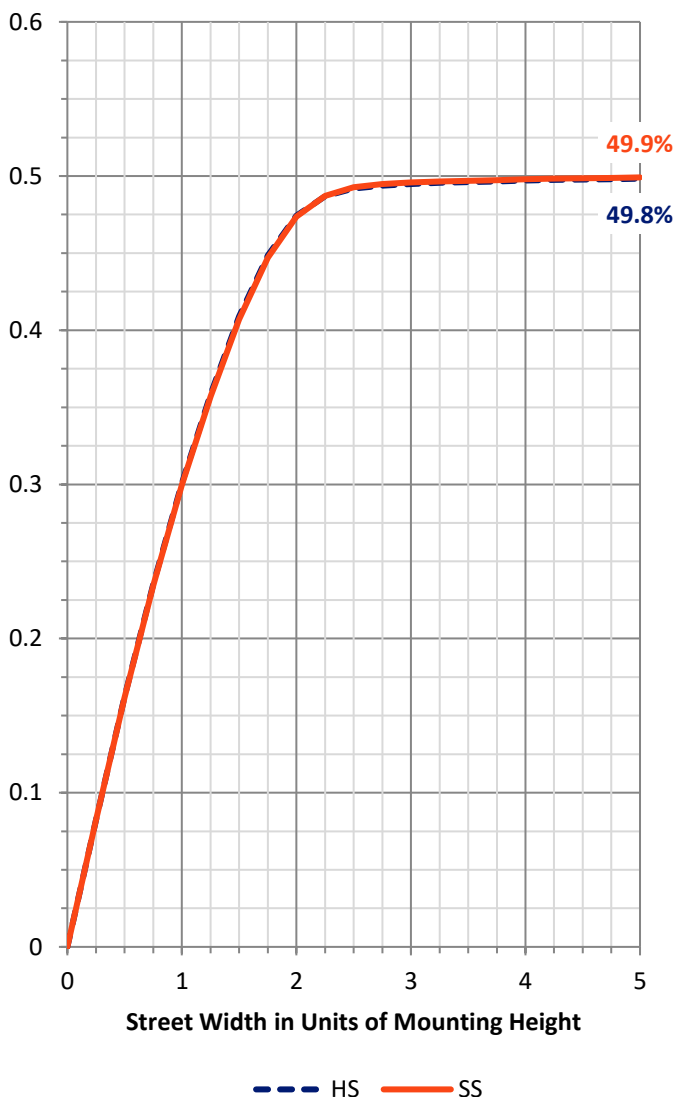
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19870.0	0.0	19870.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19870.0	0.0	19870.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39740.0	0.0	39740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.8	1.2
10°-20°	1513.5	3.8
20°-30°	2839.5	7.1
30°-40°	4696.0	11.8
40°-50°	7273.5	18.3
50°-60°	11155.5	28.1
60°-70°	10409.4	26.2
70°-80°	1211.5	3.0
80°-90°	170.2	0.4
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°	39740.0	100.0
0°-180°	39740.0	100.0

Coefficient of Utilization



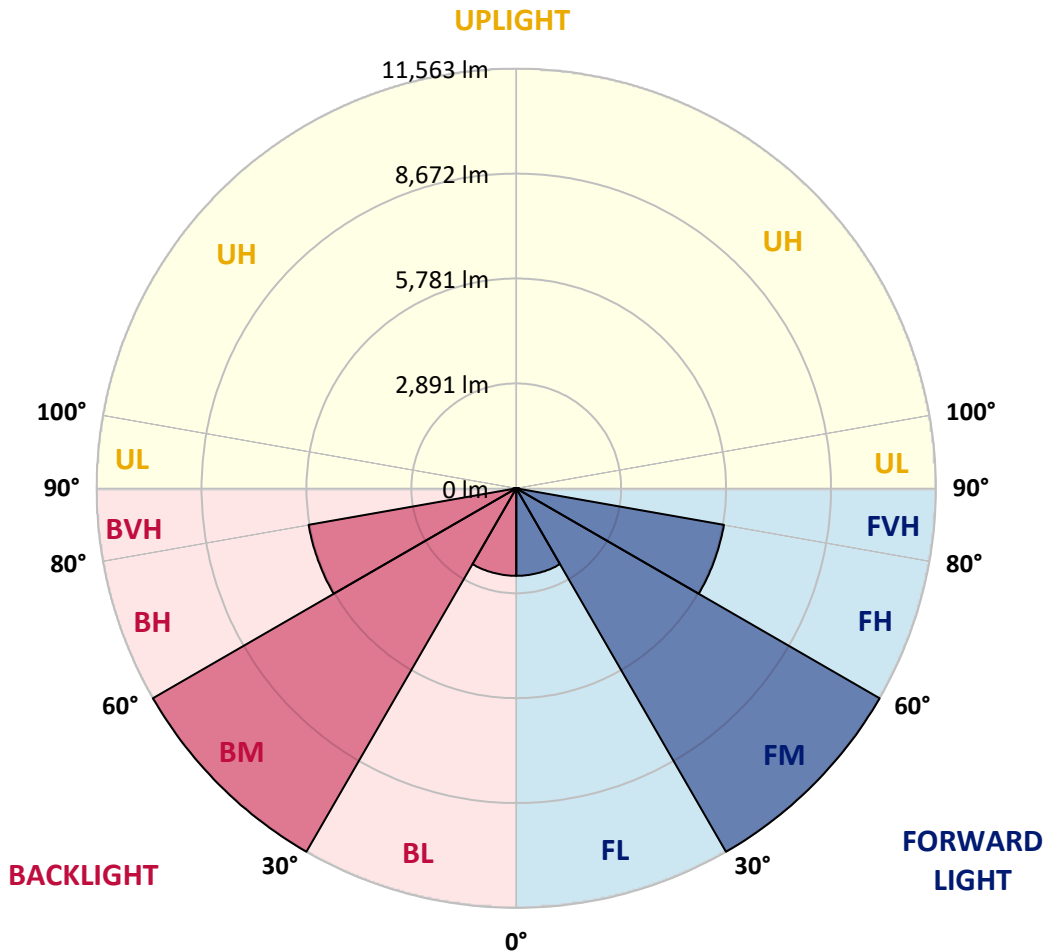
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2411.9	6.1			
FM (30°-60°)	11562.5	29.1			
FH (60°-80°)	5810.4	14.6			G3/7500
FVH (80°-90°)	85.1	0.2			G1/100
BL (0°-30°)	2411.9	6.1	B3/2500		
BM (30°-60°)	11562.5	29.1	B5		
BH (60°-80°)	5810.4	14.6	B5		G3/7500
BVH (80°-90°)	85.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4799.1	4799.1	4799.1	4799.1	4799.1	4799.1	4799.1	4799.1	4799.1	4799.1	4799.1
2.5°	4814.9	4812.3	4814.9	4816.3	4808.3	4812.3	4811.0	4817.6	4820.2	4817.6	4817.6
5°	4870.3	4866.4	4871.7	4878.3	4867.7	4870.3	4866.4	4874.3	4876.9	4871.7	4875.6
7.5°	4946.9	4948.2	4953.5	4965.3	4958.7	4964.0	4956.1	4957.4	4956.1	4948.2	4949.5
10°	5030.0	5031.3	5040.5	5056.3	5059.0	5059.0	5053.7	5049.7	5044.5	5039.2	5040.5
12.5°	5130.2	5136.8	5143.4	5163.2	5163.2	5173.8	5171.1	5160.6	5151.3	5143.4	5143.4
15°	5266.1	5264.8	5272.7	5292.5	5301.7	5318.9	5318.9	5304.3	5292.5	5284.6	5281.9
17.5°	5408.6	5412.5	5417.8	5441.5	5456.1	5475.8	5478.5	5466.6	5458.7	5448.1	5441.5
20°	5574.8	5581.4	5602.5	5611.7	5624.9	5643.4	5650.0	5647.3	5639.4	5634.1	5635.5
22.5°	5768.7	5785.8	5799.0	5812.2	5828.1	5841.2	5847.8	5857.1	5849.2	5845.2	5842.6
25°	6003.5	6015.4	6041.8	6065.5	6076.1	6080.0	6087.9	6101.1	6099.8	6090.6	6090.6
27.5°	6270.0	6292.4	6325.4	6359.7	6359.7	6346.5	6372.9	6395.3	6387.4	6375.5	6359.7
30°	6593.2	6614.3	6652.5	6700.0	6676.3	6667.0	6702.7	6743.6	6731.7	6711.9	6709.3
32.5°	6941.4	6961.2	7011.3	7062.8	7032.4	7019.3	7057.5	7116.9	7095.8	7056.2	7032.4
35°	7318.7	7338.5	7409.7	7471.7	7420.3	7397.9	7429.5	7494.2	7457.2	7383.3	7364.9
37.5°	7729.0	7739.5	7831.9	7895.2	7859.6	7800.2	7839.8	7887.3	7855.6	7765.9	7730.3
40°	8155.1	8193.3	8300.2	8374.0	8312.0	8218.4	8284.3	8350.3	8302.8	8188.0	8127.4
42.5°	8652.4	8681.4	8823.9	8889.8	8789.6	8657.7	8747.4	8837.1	8789.6	8678.8	8626.0
45°	9169.5	9214.3	9384.5	9450.5	9305.4	9137.8	9247.3	9404.3	9400.3	9240.7	9185.3
47.5°	9732.8	9777.6	9980.8	10067.8	9910.9	9686.6	9840.9	10062.6	10046.7	9871.3	9826.4
50°	10383.1	10430.6	10683.9	10793.4	10646.9	10385.8	10617.9	10813.2	10784.1	10567.8	10571.8
52.5°	11199.7	11197.0	11512.3	11702.3	11551.9	11321.0	11534.7	11724.7	11604.7	11305.2	11296.0
55°	11914.7	11958.2	12348.7	12708.8	12699.6	12611.2	12696.9	12704.8	12361.9	11963.5	11914.7
57.5°	12384.3	12467.4	13017.5	13669.1	14157.2	14274.6	14108.4	13604.5	12801.1	12164.0	12086.2
60°	12095.4	12222.0	13086.1	14414.5	15852.4	16542.3	15604.4	14041.2	12459.5	11571.7	11466.1
62.5°	10145.7	10359.4	11624.4	14054.3	17311.4	19328.3	16688.7	13340.7	11100.7	9877.9	9697.2
65°	6179.0	6404.5	7929.5	11567.7	17075.2	21534.0	16194.0	11073.0	8102.3	6581.3	6386.1
67.5°	2059.2	2125.2	3023.5	6394.0	13419.8	19348.1	13442.3	6628.8	3526.1	2337.6	2269.0
70°	806.0	812.6	959.0	1853.4	6337.3	13289.2	6992.9	1886.4	1002.6	792.8	810.0
72.5°	592.3	594.9	635.8	774.3	1651.6	5854.4	1711.0	778.3	618.7	555.4	555.4
75°	476.2	476.2	505.2	564.6	740.0	1342.9	750.6	558.0	484.1	443.2	438.0
77.5°	376.0	383.9	406.3	444.6	501.3	646.4	519.7	441.9	390.5	352.2	344.3
80°	279.7	287.6	324.5	343.0	360.1	448.5	383.9	345.6	308.7	263.8	255.9
82.5°	183.4	191.3	237.4	248.0	244.0	292.9	258.6	254.6	226.9	170.2	162.3
85°	120.0	122.7	158.3	164.9	151.7	133.2	164.9	174.1	158.3	110.8	106.9
87.5°	56.7	56.7	80.5	75.2	68.6	55.4	75.2	88.4	89.7	54.1	52.8
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)