

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: P316769

Luminaire Tested: **GAN-SA5C-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316769
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-SA5C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 33209 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

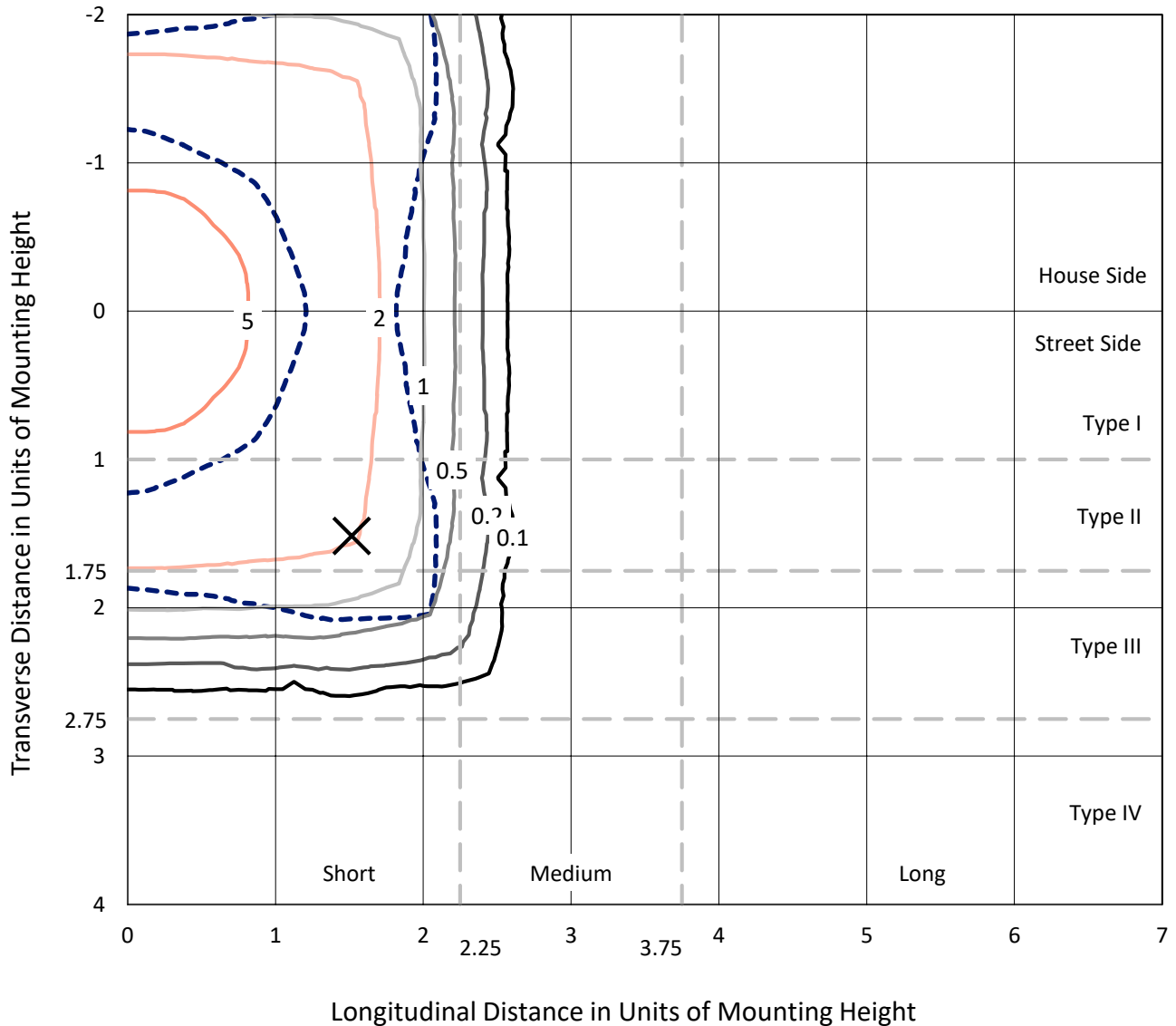
Input Watts (W): 279
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316769
 CATALOG NUMBER: GAN-SA5C-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

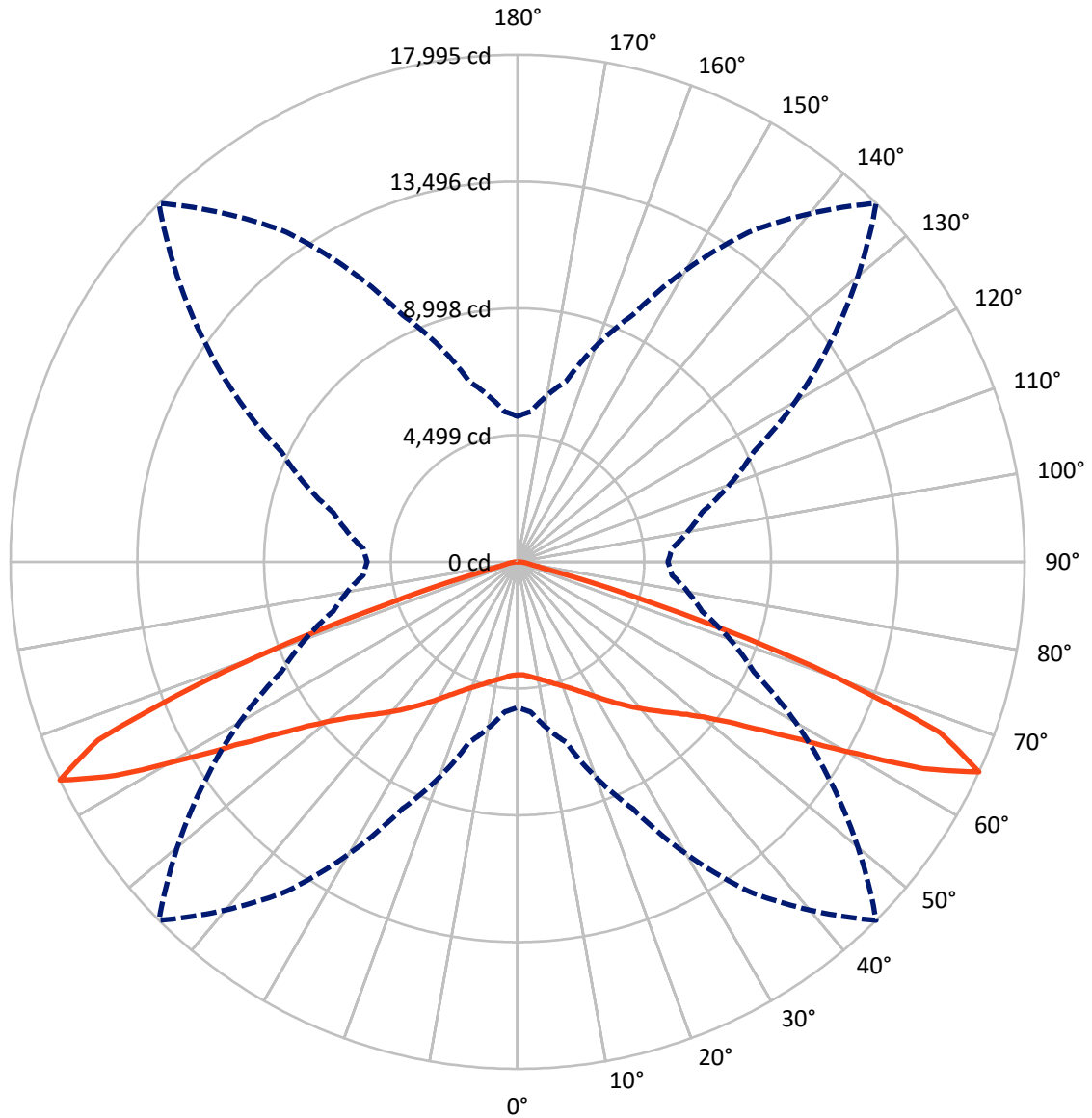
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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CATALOG NUMBER: GAN-SA5C-730-U-5NQ

Luminous Intensity Polar Plot



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

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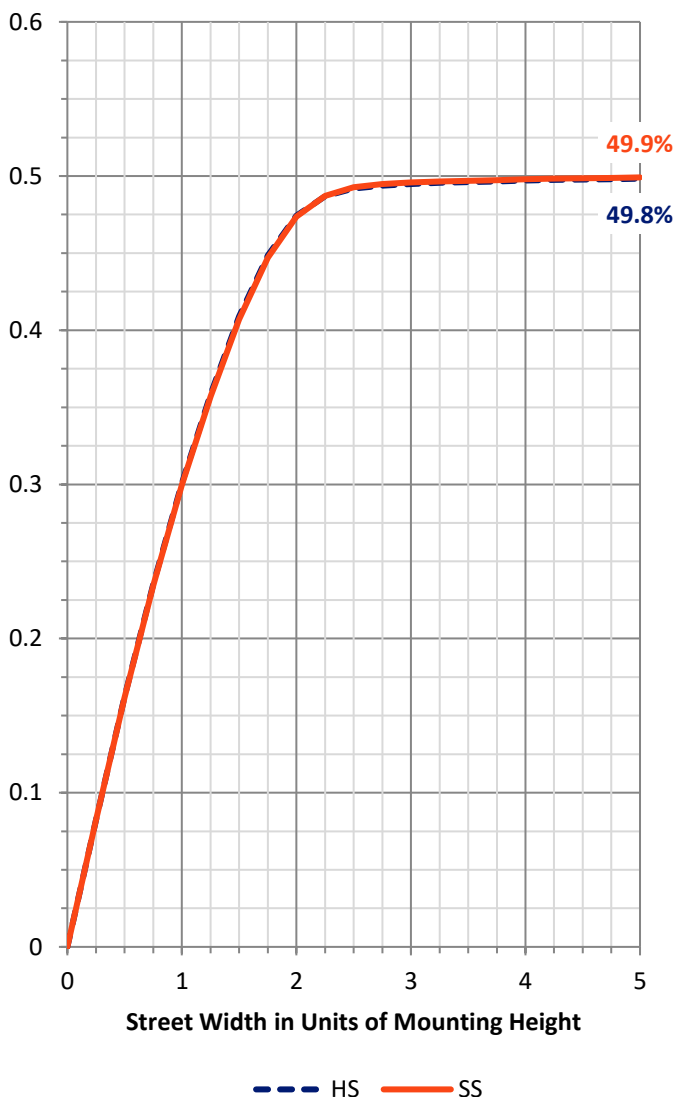
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16604.5	0.0	16604.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16604.5	0.0	16604.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33209.0	0.0	33209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.5	1.2
10°-20°	1264.7	3.8
20°-30°	2372.9	7.1
30°-40°	3924.3	11.8
40°-50°	6078.2	18.3
50°-60°	9322.2	28.1
60°-70°	8698.7	26.2
70°-80°	1012.4	3.0
80°-90°	142.3	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°	33209.0	100.0
0°-180°	33209.0	100.0

Coefficient of Utilization



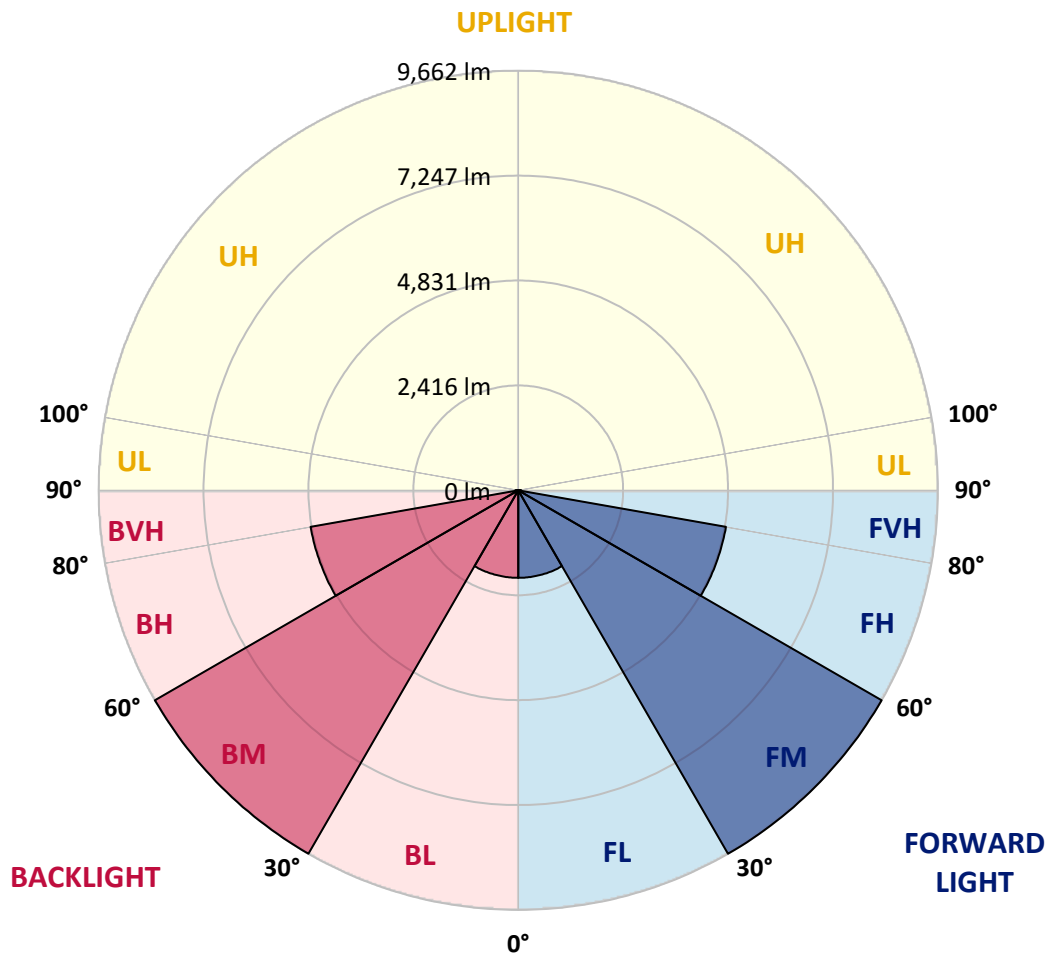
REPORT NUMBER: P316769
 CATALOG NUMBER: GAN-SA5C-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2015.5	6.1			
FM (30°-60°)	9662.3	29.1			
FH (60°-80°)	4855.5	14.6			G2/5000
FVH (80°-90°)	71.1	0.2			G1/100
BL (0°-30°)	2015.5	6.1	B3/2500		
BM (30°-60°)	9662.3	29.1	B5		
BH (60°-80°)	4855.5	14.6	B4/5000		G2/5000
BVH (80°-90°)	71.1	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4010.4	4010.4	4010.4	4010.4	4010.4	4010.4	4010.4	4010.4	4010.4	4010.4	4010.4
2.5°	4023.6	4021.4	4023.6	4024.7	4018.1	4021.4	4020.3	4025.8	4028.0	4025.8	4025.8
5°	4069.9	4066.6	4071.0	4076.5	4067.7	4069.9	4066.6	4073.2	4075.4	4071.0	4074.3
7.5°	4133.9	4135.0	4139.4	4149.3	4143.8	4148.2	4141.6	4142.7	4141.6	4135.0	4136.1
10°	4203.3	4204.4	4212.1	4225.4	4227.6	4227.6	4223.2	4219.9	4215.4	4211.0	4212.1
12.5°	4287.1	4292.6	4298.1	4314.7	4314.7	4323.5	4321.3	4312.5	4304.7	4298.1	4298.1
15°	4400.6	4399.5	4406.2	4422.7	4430.4	4444.7	4444.7	4432.6	4422.7	4416.1	4413.9
17.5°	4519.7	4523.0	4527.4	4547.3	4559.4	4575.9	4578.1	4568.2	4561.6	4552.8	4547.3
20°	4658.6	4664.1	4681.7	4689.5	4700.5	4715.9	4721.4	4719.2	4712.6	4708.2	4709.3
22.5°	4820.6	4835.0	4846.0	4857.0	4870.3	4881.3	4886.8	4894.5	4887.9	4884.6	4882.4
25°	5016.9	5026.8	5048.8	5068.7	5077.5	5080.8	5087.4	5098.4	5097.3	5089.6	5089.6
27.5°	5239.5	5258.3	5285.8	5314.5	5314.5	5303.5	5325.5	5344.3	5337.7	5327.7	5314.5
30°	5509.6	5527.3	5559.2	5598.9	5579.1	5571.4	5601.1	5635.3	5625.4	5608.8	5606.6
32.5°	5800.6	5817.2	5859.1	5902.1	5876.7	5865.7	5897.7	5947.3	5929.6	5896.6	5876.7
35°	6115.9	6132.5	6192.0	6243.8	6200.8	6182.1	6208.5	6262.5	6231.7	6169.9	6154.5
37.5°	6458.8	6467.6	6544.7	6597.7	6567.9	6518.3	6551.4	6591.0	6564.6	6489.6	6459.9
40°	6814.8	6846.8	6936.1	6997.8	6946.0	6867.7	6922.9	6978.0	6938.3	6842.4	6791.7
42.5°	7230.4	7254.7	7373.7	7428.8	7345.1	7234.8	7309.8	7384.7	7345.1	7252.5	7208.4
45°	7662.5	7700.0	7842.2	7897.3	7776.1	7636.1	7727.6	7858.8	7855.5	7722.1	7675.8
47.5°	8133.3	8170.7	8340.5	8413.3	8282.1	8094.7	8223.6	8408.8	8395.6	8249.0	8211.5
50°	8676.7	8716.4	8928.1	9019.6	8897.2	8678.9	8872.9	9036.1	9011.8	8831.1	8834.4
52.5°	9359.1	9356.9	9620.3	9779.1	9653.4	9460.5	9639.1	9797.8	9697.5	9447.3	9439.6
55°	9956.6	9992.9	10319.2	10620.2	10612.5	10538.6	10610.3	10616.9	10330.3	9997.4	9956.6
57.5°	10349.0	10418.5	10878.1	11422.7	11830.6	11928.7	11789.8	11368.7	10697.4	10164.9	10099.9
60°	10107.6	10213.4	10935.5	12045.6	13247.1	13823.7	13039.9	11733.6	10411.8	9670.0	9581.8
62.5°	8478.3	8656.9	9714.0	11744.6	14466.3	16151.9	13946.0	11148.2	9276.4	8254.5	8103.5
65°	5163.5	5352.0	6626.3	9666.6	14269.0	17995.0	13532.6	9253.3	6770.7	5499.7	5336.6
67.5°	1720.8	1775.9	2526.6	5343.2	11214.4	16168.4	11233.1	5539.4	2946.6	1953.4	1896.1
70°	673.5	679.1	801.4	1548.8	5295.8	11105.2	5843.6	1576.4	837.8	662.5	676.9
72.5°	495.0	497.2	531.3	647.1	1380.2	4892.3	1429.8	650.4	517.0	464.1	464.1
75°	398.0	398.0	422.2	471.8	618.4	1122.2	627.2	466.3	404.6	370.4	366.0
77.5°	314.2	320.8	339.5	371.5	418.9	540.2	434.3	369.3	326.3	294.3	287.7
80°	233.7	240.3	271.2	286.6	300.9	374.8	320.8	288.8	258.0	220.5	213.9
82.5°	153.2	159.8	198.4	207.2	203.9	244.7	216.1	212.8	189.6	142.2	135.6
85°	100.3	102.5	132.3	137.8	126.8	111.3	137.8	145.5	132.3	92.6	89.3
87.5°	47.4	47.4	67.2	62.8	57.3	46.3	62.8	73.9	75.0	45.2	44.1
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)