

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: P316453

Luminaire Tested: **GAN-SA9C-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316453
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-SA9C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 60494 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 501
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

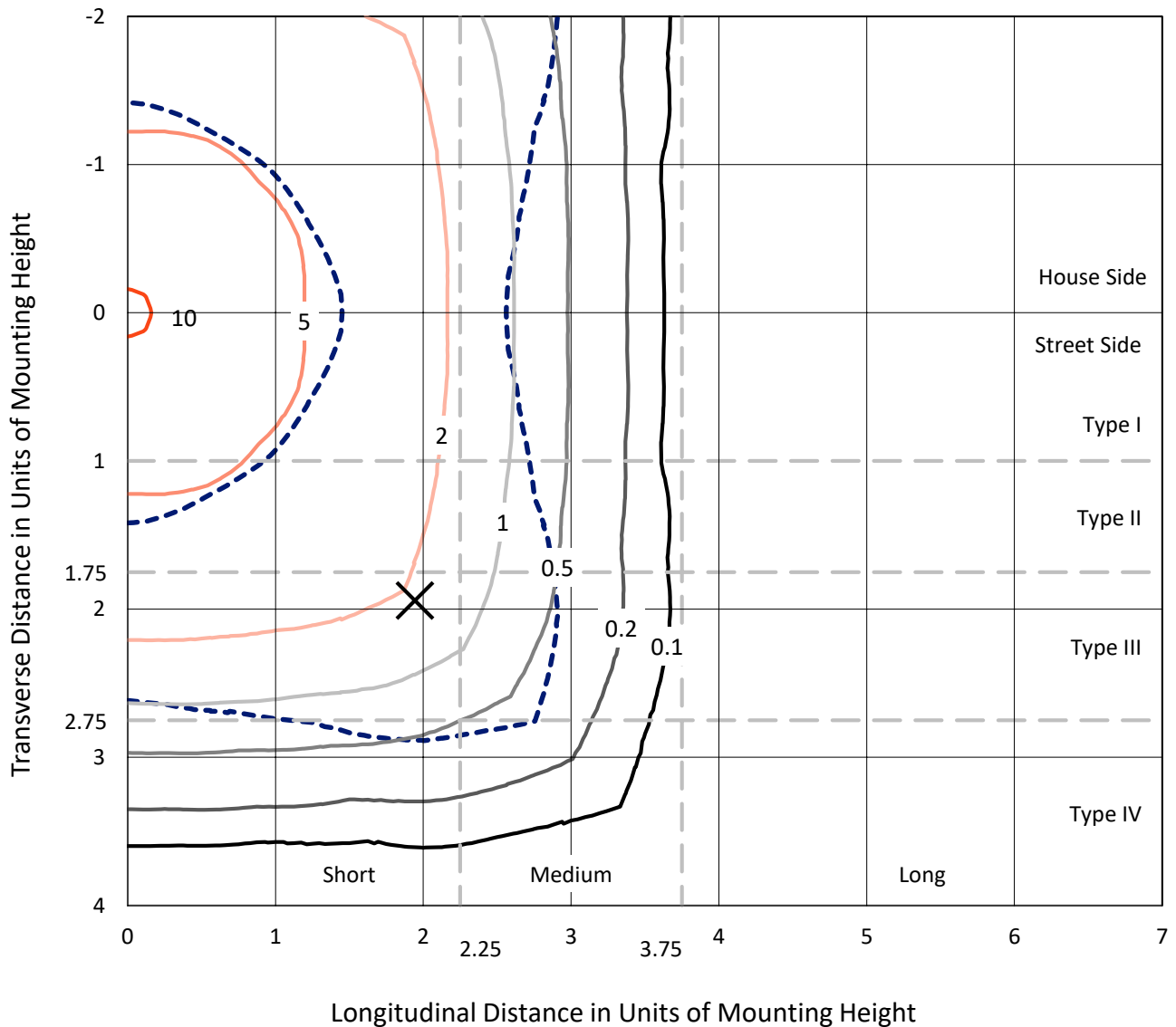




REPORT NUMBER: P316453
 CATALOG NUMBER: GAN-SA9C-730-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

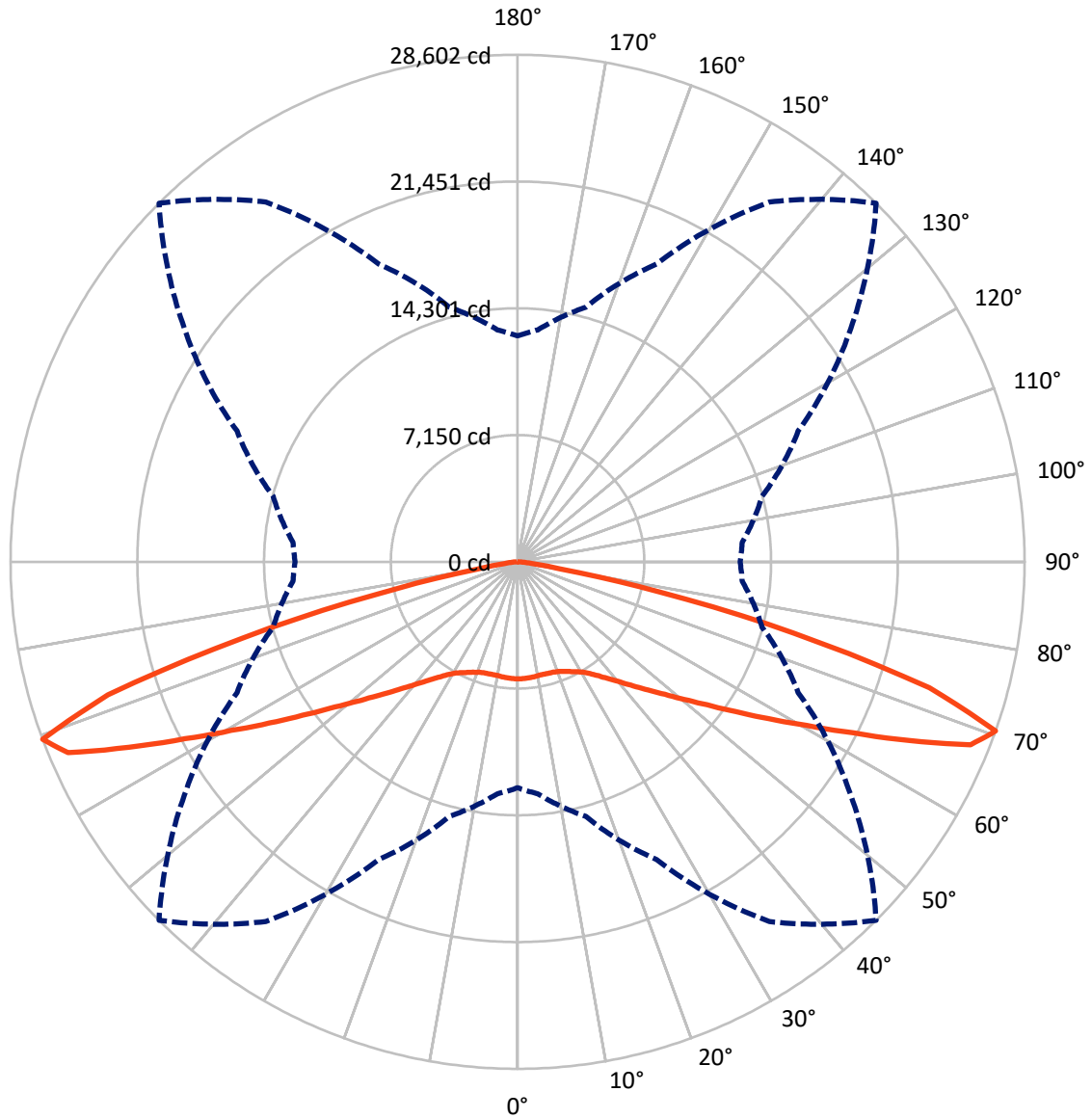
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316453
CATALOG NUMBER: GAN-SA9C-730-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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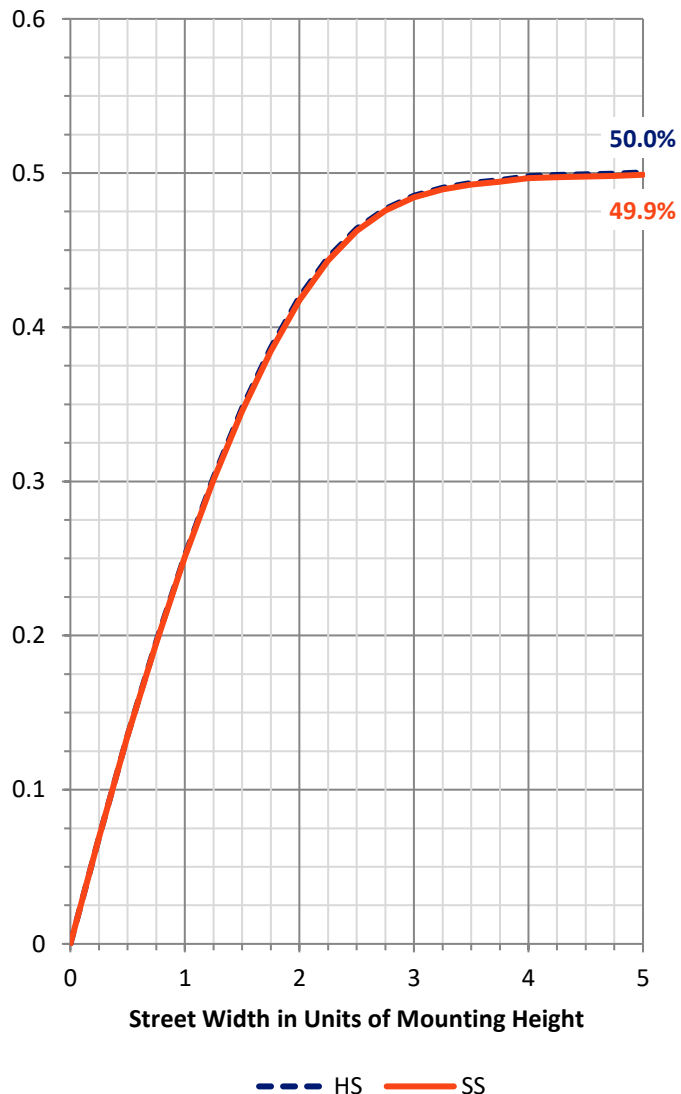
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30247.0	0.0	30247.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30247.0	0.0	30247.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	60494.0	0.0	60494.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.7	1.0
10°-20°	1837.0	3.0
20°-30°	3127.2	5.2
30°-40°	4959.7	8.2
40°-50°	8071.0	13.3
50°-60°	13307.6	22.0
60°-70°	19535.9	32.3
70°-80°	8638.7	14.3
80°-90°	391.2	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°	60494.0	100.0
0°-180°	60494.0	100.0

Coefficient of Utilization

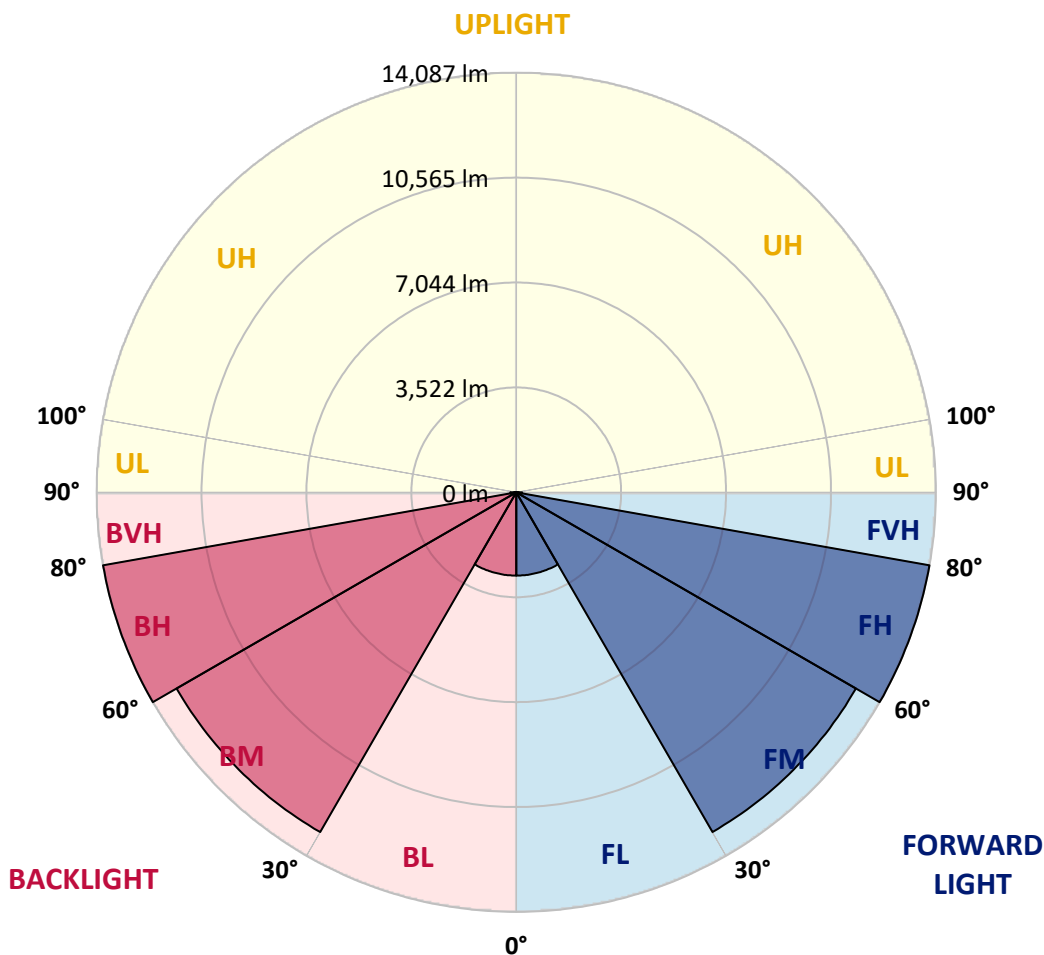


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2795.0	4.6			
FM (30°-60°)	13169.1	21.8			
FH (60°-80°)	14087.3	23.3			G5
FVH (80°-90°)	195.6	0.3			G2/225
BL (0°-30°)	2795.0	4.6	B4/5000		
BM (30°-60°)	13169.1	21.8	B5		
BH (60°-80°)	14087.3	23.3	B5		G5
BVH (80°-90°)	195.6	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-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6606.9	6606.9	6606.9	6606.9	6606.9	6606.9	6606.9	6606.9	6606.9	6606.9	6606.9
2.5°	6596.9	6590.9	6604.9	6602.9	6590.9	6592.9	6592.9	6598.9	6598.9	6594.9	6594.9
5°	6572.9	6568.8	6584.9	6584.9	6572.9	6576.9	6580.9	6586.9	6584.9	6580.9	6578.9
7.5°	6542.8	6540.8	6556.8	6556.8	6548.8	6552.8	6548.8	6550.8	6546.8	6542.8	6536.8
10°	6492.8	6496.8	6510.8	6514.8	6514.8	6516.8	6512.8	6502.8	6496.8	6490.8	6484.8
12.5°	6446.7	6444.7	6464.7	6474.7	6490.8	6508.8	6496.8	6468.7	6456.7	6444.7	6440.7
15°	6416.7	6418.7	6438.7	6456.7	6484.8	6522.8	6508.8	6464.7	6440.7	6426.7	6422.7
17.5°	6410.7	6414.7	6440.7	6472.7	6502.8	6544.8	6536.8	6492.8	6452.7	6426.7	6420.7
20°	6424.7	6426.7	6466.7	6512.8	6564.8	6604.9	6586.9	6538.8	6484.8	6444.7	6434.7
22.5°	6450.7	6458.7	6508.8	6580.9	6660.9	6715.0	6693.0	6610.9	6526.8	6476.8	6462.7
25°	6532.8	6534.8	6602.9	6701.0	6797.1	6859.1	6833.1	6717.0	6608.9	6552.8	6534.8
27.5°	6703.0	6709.0	6777.1	6891.2	6973.3	7013.3	6997.3	6903.2	6811.1	6751.0	6757.0
30°	6949.2	6957.3	7033.3	7159.5	7209.5	7219.5	7215.5	7171.5	7087.4	7007.3	7013.3
32.5°	7249.6	7253.6	7355.7	7469.8	7509.8	7517.8	7509.8	7469.8	7369.7	7261.6	7267.6
35°	7636.0	7648.0	7746.1	7856.2	7888.2	7904.2	7890.2	7838.2	7734.1	7628.0	7623.9
37.5°	8112.5	8114.5	8216.6	8330.7	8370.7	8374.7	8358.7	8324.7	8194.5	8098.4	8092.4
40°	8665.0	8673.0	8793.2	8915.3	8931.3	8913.3	8935.3	8915.3	8781.2	8671.0	8689.1
42.5°	9337.7	9355.8	9499.9	9620.0	9574.0	9564.0	9578.0	9584.0	9475.9	9341.7	9329.7
45°	10120.5	10136.6	10316.8	10412.9	10382.8	10316.8	10344.8	10392.8	10242.7	10076.5	10092.5
47.5°	11013.5	11053.5	11245.7	11335.8	11261.7	11171.6	11225.7	11297.8	11121.6	10915.4	10905.4
50°	12006.5	12056.6	12312.8	12439.0	12364.9	12198.7	12288.8	12336.9	12082.6	11816.3	11794.3
52.5°	13065.6	13115.7	13438.0	13698.3	13650.2	13392.0	13518.1	13468.0	13175.7	12817.4	12789.3
55°	14264.9	14284.9	14633.3	15053.7	15101.7	14911.5	14903.5	14821.4	14389.0	13974.6	13954.5
57.5°	15498.2	15512.2	15962.6	16459.2	16685.4	16685.4	16461.2	16287.0	15712.4	15231.9	15181.8
60°	16829.5	16879.6	17378.1	18052.8	18581.4	18737.5	18341.1	17866.6	17242.0	16655.4	16597.3
62.5°	18014.8	18072.8	18835.6	19840.7	20689.6	21258.2	20289.1	19516.3	18379.2	17438.2	17328.1
65°	18164.9	18321.1	19432.3	21252.2	23152.1	24287.3	22429.4	20525.4	18453.2	17145.9	17033.8
67.5°	16589.3	16853.6	18355.1	21188.1	25114.2	27550.7	23796.8	19948.8	17123.8	15678.3	15554.2
70°	12747.3	13131.7	14863.5	18533.3	24775.8	28601.8	22939.9	17464.2	14276.9	12721.3	12547.1
72.5°	6993.3	7151.5	8709.1	12691.2	19862.7	24305.3	19133.9	12913.5	9467.9	7704.0	7411.7
75°	2218.3	2274.4	3067.2	5193.4	11235.7	16098.8	12154.7	6338.6	3489.6	2572.7	2542.7
77.5°	985.0	991.0	1109.2	1515.6	3870.0	8156.5	4648.8	1725.8	1189.2	1039.1	1073.1
80°	622.6	622.6	686.7	750.8	1053.1	2368.5	1257.3	820.9	700.7	650.7	664.7
82.5°	298.3	330.3	446.5	480.5	578.6	796.8	644.7	536.6	468.5	348.4	324.3
85°	196.2	164.2	282.3	318.3	336.4	382.4	374.4	354.4	306.3	174.2	194.2
87.5°	88.1	84.1	146.2	134.1	126.1	96.1	144.2	178.2	172.2	86.1	86.1
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)