

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: P317074

Luminaire Tested: **GAN-SA0A-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317074
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-SA0A-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42940 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

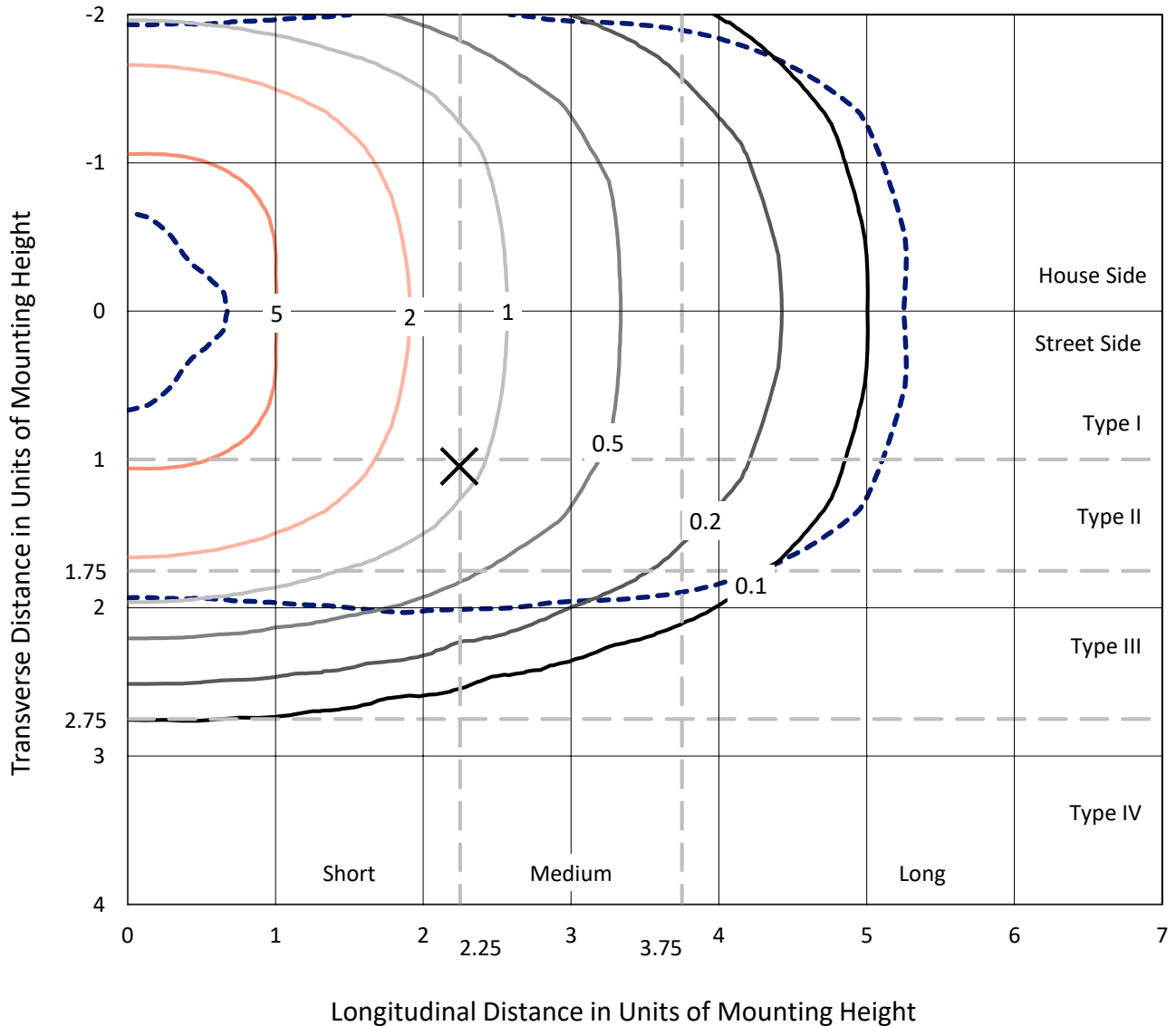
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317074
 CATALOG NUMBER: GAN-SA0A-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

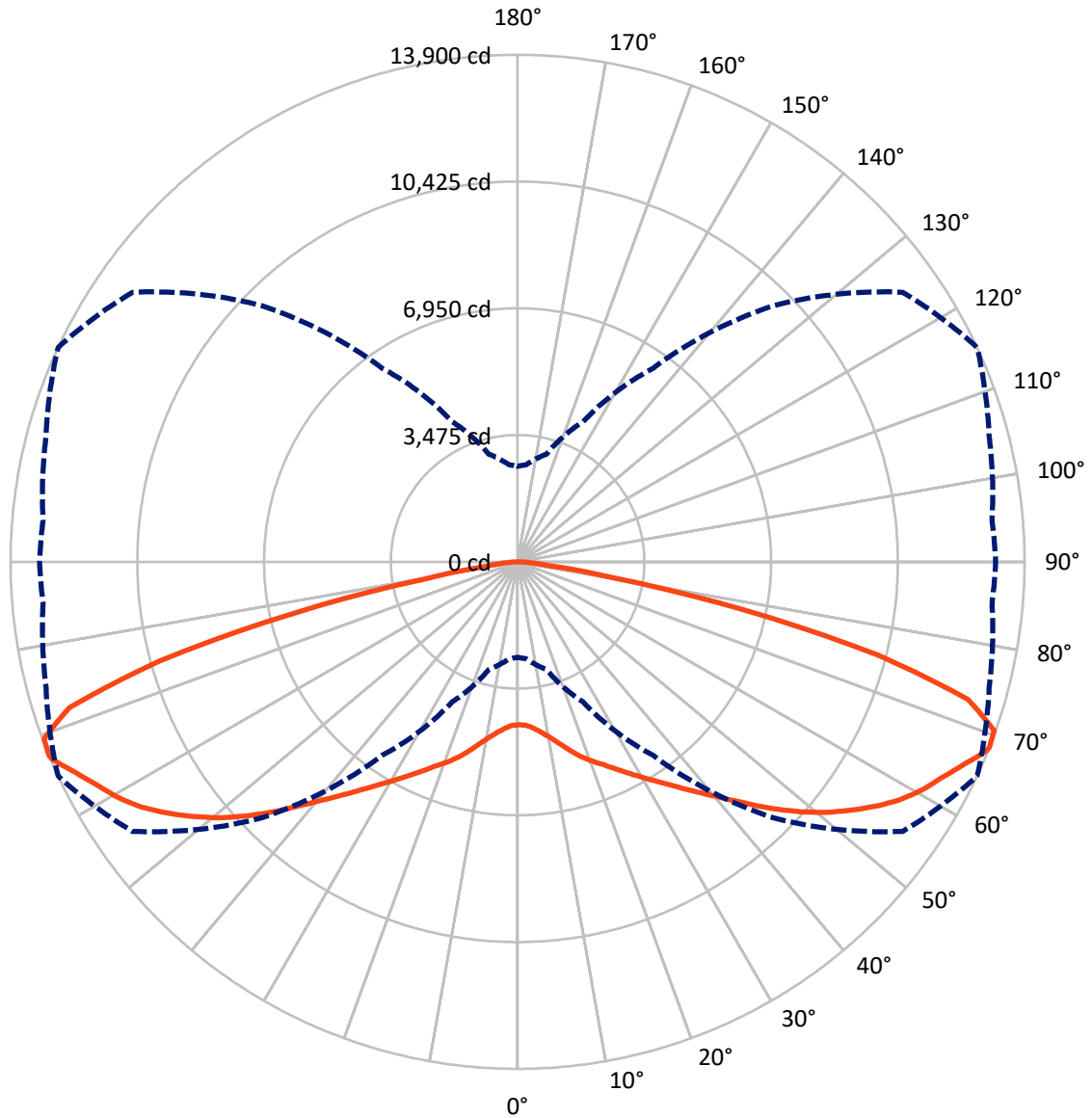
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P317074
CATALOG NUMBER: GAN-SA0A-730-U-RW

Luminous Intensity Polar Plot



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

REPORT NUMBER: P317074
 CATALOG NUMBER: GAN-SA0A-730-U-RW

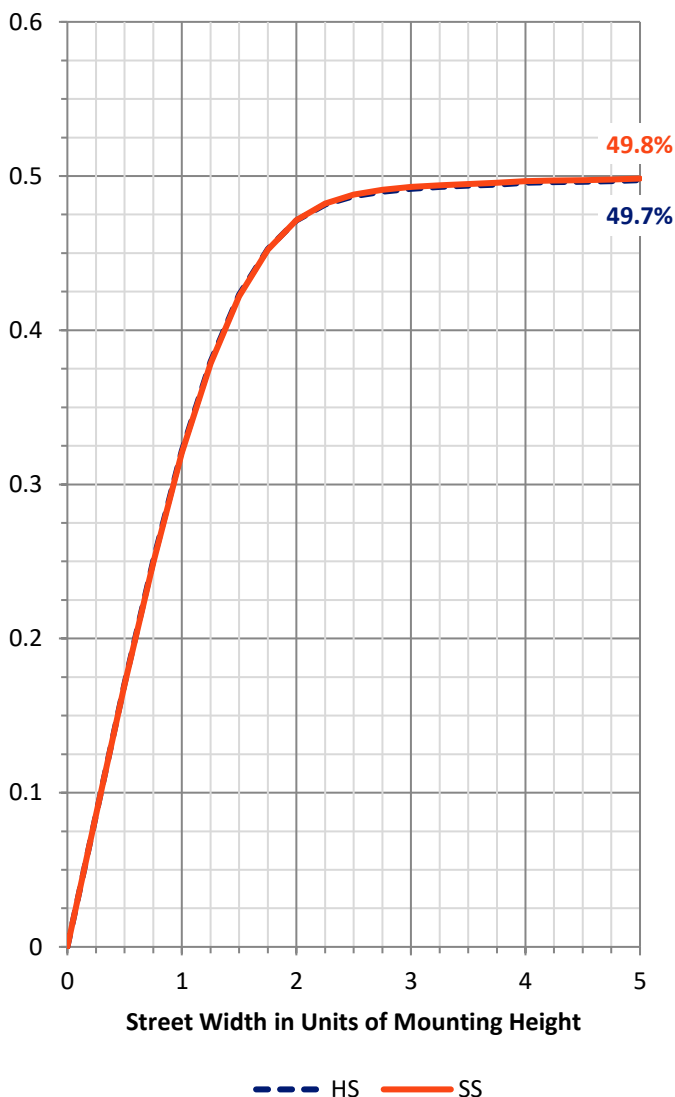
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21470.0	0.0	21470.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21470.0	0.0	21470.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42940.0	0.0	42940.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.1	1.0
10°-20°	1463.7	3.4
20°-30°	2853.8	6.6
30°-40°	4794.2	11.2
40°-50°	7554.0	17.6
50°-60°	10102.2	23.5
60°-70°	9820.6	22.9
70°-80°	5368.4	12.5
80°-90°	546.0	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°	42940.0	100.0
0°-180°	42940.0	100.0

Coefficient of Utilization

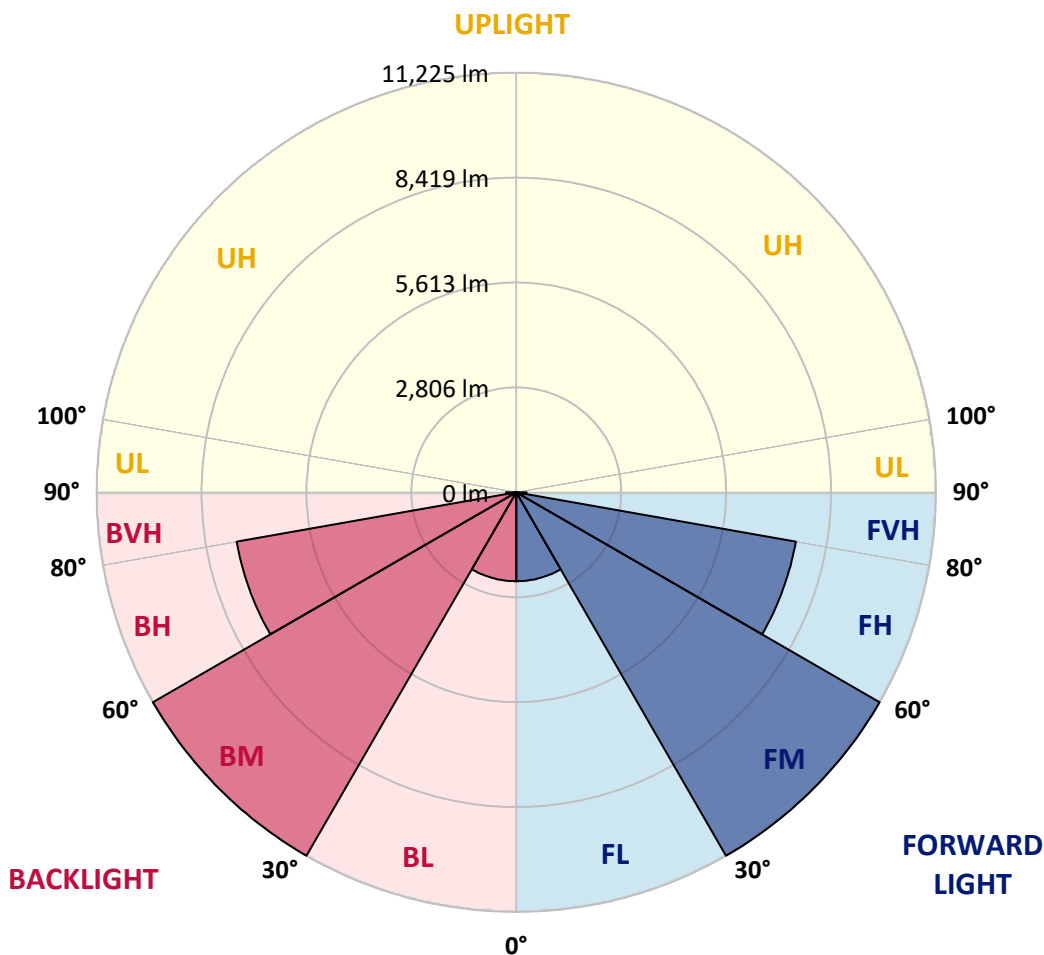


REPORT NUMBER: P317074
 CATALOG NUMBER: GAN-SA0A-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2377.3	5.5			
FM (30°-60°)	11225.2	26.1			
FH (60°-80°)	7594.5	17.7			G4/12000
FVH (80°-90°)	273.0	0.6			G3/500
BL (0°-30°)	2377.3	5.5	B3/2500		
BM (30°-60°)	11225.2	26.1	B5		
BH (60°-80°)	7594.5	17.7	B5		G5
BVH (80°-90°)	273.0	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





REPORT NUMBER: P317074
 CATALOG NUMBER: GAN-SAOA-730-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4464.7	4464.7	4464.7	4464.7	4464.7	4464.7	4464.7	4464.7	4464.7	4464.7	4464.7
2.5°	4433.1	4434.5	4441.7	4450.4	4457.6	4476.3	4480.6	4487.8	4490.7	4497.9	4497.9
5°	4394.2	4397.1	4414.4	4437.4	4463.3	4509.4	4542.5	4579.9	4598.6	4618.8	4617.4
7.5°	4389.9	4397.1	4421.6	4459.0	4502.2	4578.5	4647.6	4722.5	4772.9	4818.9	4816.1
10°	4434.5	4446.0	4480.6	4536.7	4601.5	4696.6	4798.8	4899.6	4987.4	5057.9	5060.8
12.5°	4502.2	4516.6	4571.3	4656.2	4754.1	4876.5	4997.5	5111.2	5232.2	5337.3	5345.9
15°	4591.5	4610.2	4692.2	4818.9	4968.7	5114.1	5243.7	5360.3	5499.9	5645.4	5659.8
17.5°	4723.9	4749.8	4857.8	5029.1	5226.4	5386.2	5521.5	5609.4	5726.0	5875.7	5903.1
20°	4925.5	4958.6	5095.4	5299.8	5540.3	5707.3	5810.9	5829.7	5887.2	6021.1	6052.8
22.5°	5187.5	5216.3	5368.9	5612.3	5881.5	6062.9	6117.6	6042.7	6037.0	6145.0	6175.2
25°	5479.8	5505.7	5682.8	5956.4	6245.8	6445.9	6444.4	6299.0	6198.2	6281.7	6313.4
27.5°	5808.1	5848.4	6018.3	6306.2	6615.8	6813.0	6801.5	6576.9	6385.4	6407.0	6434.4
30°	6185.3	6229.9	6395.5	6687.8	6997.3	7190.2	7175.9	6879.3	6591.3	6533.7	6553.9
32.5°	6653.2	6706.5	6863.4	7151.4	7424.9	7599.1	7557.4	7207.5	6838.9	6713.7	6732.4
35°	7216.2	7247.8	7413.4	7697.0	7918.8	8038.3	7950.5	7587.6	7152.8	7001.6	7001.6
37.5°	7786.3	7810.8	7996.5	8271.5	8486.0	8549.4	8378.1	8003.7	7563.2	7348.6	7352.9
40°	8333.4	8399.7	8608.4	8890.6	9102.3	9119.5	8892.1	8478.8	8019.6	7797.8	7823.8
42.5°	8905.0	8969.8	9218.9	9538.5	9725.7	9754.5	9488.1	9011.6	8535.0	8355.0	8383.8
45°	9414.7	9466.5	9754.5	10126.0	10359.2	10434.1	10118.8	9622.0	9092.2	8916.5	8923.7
47.5°	9770.3	9838.0	10154.7	10592.4	10932.2	11047.4	10737.9	10216.7	9640.7	9427.7	9446.4
50°	10092.8	10128.8	10449.9	10927.9	11359.8	11597.4	11332.5	10804.1	10195.1	9969.0	9989.2
52.5°	10272.8	10318.9	10629.9	11128.0	11639.2	12022.1	11860.9	11332.5	10730.7	10510.4	10534.9
55°	10147.6	10182.1	10555.0	11172.7	11811.9	12284.2	12308.7	11849.4	11256.2	11063.2	11132.4
57.5°	9577.4	9620.6	10075.6	10884.7	11833.5	12461.3	12645.6	12328.8	11747.1	11590.2	11630.5
60°	8686.2	8713.5	9198.7	10108.7	11413.1	12534.7	12860.1	12720.4	12228.0	12071.1	12125.8
62.5°	7098.1	7138.4	7718.6	8938.1	10524.8	12317.3	13067.4	13044.4	12675.8	12531.8	12580.8
65°	4852.0	4922.6	5564.7	7106.7	9155.5	11652.1	13256.0	13421.6	13071.7	12890.3	12955.1
67.5°	2929.9	2981.8	3446.8	4692.2	7006.0	10310.2	13061.7	13850.7	13351.1	13058.8	13112.1
68°	2619.0	2666.5	3055.2	4234.4	6480.4	9931.6	12884.6	13899.6	13381.3	13055.9	13103.4
70°	1582.3	1614.0	1874.6	2617.5	4320.8	7878.5	11676.6	13859.3	13574.2	13096.2	13123.6
72.5°	1030.9	1041.0	1084.2	1343.3	2207.2	4405.7	8763.9	12914.8	13863.6	13330.9	13326.6
75°	856.7	850.9	855.2	885.5	1088.5	1932.2	5121.3	10202.3	13215.7	12960.9	12870.2
77.5°	724.2	719.9	718.4	719.9	728.5	933.0	2223.0	6355.2	10113.0	11464.9	11545.6
80°	586.0	580.2	598.9	590.3	564.4	580.2	931.5	2643.4	4767.1	5128.5	4806.0
82.5°	426.2	404.6	485.2	462.2	440.6	408.9	514.0	853.8	1137.4	780.4	548.6
85°	328.3	305.2	368.6	354.2	302.4	208.8	305.2	417.5	460.7	263.5	207.3
87.5°	133.9	141.1	266.4	210.2	177.1	100.8	125.3	167.0	224.6	112.3	86.4
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)