

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: P316754

Luminaire Tested: **GAN-SA0A-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316754
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-SA0A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43331 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

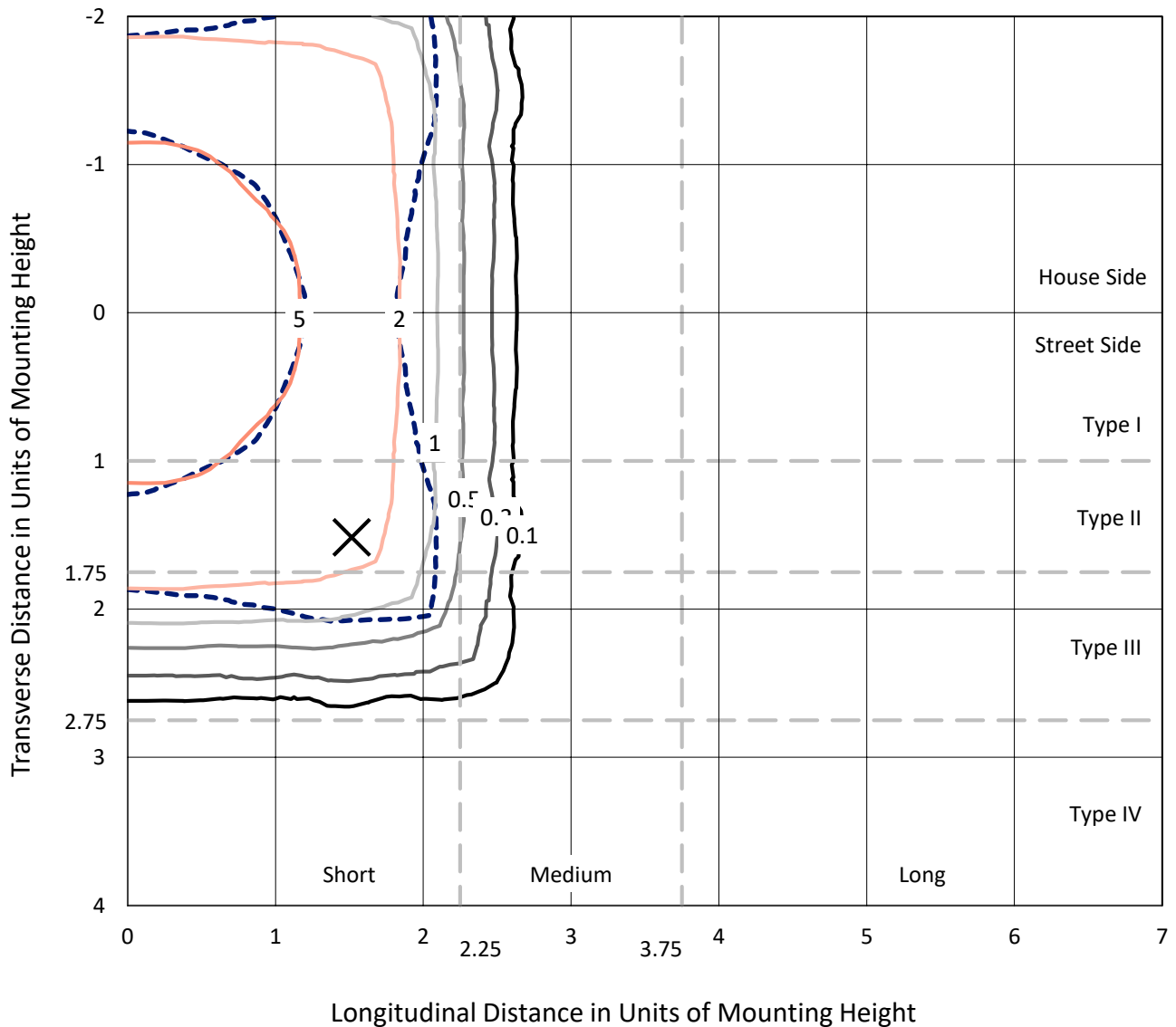
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316754
 CATALOG NUMBER: GAN-SA0A-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

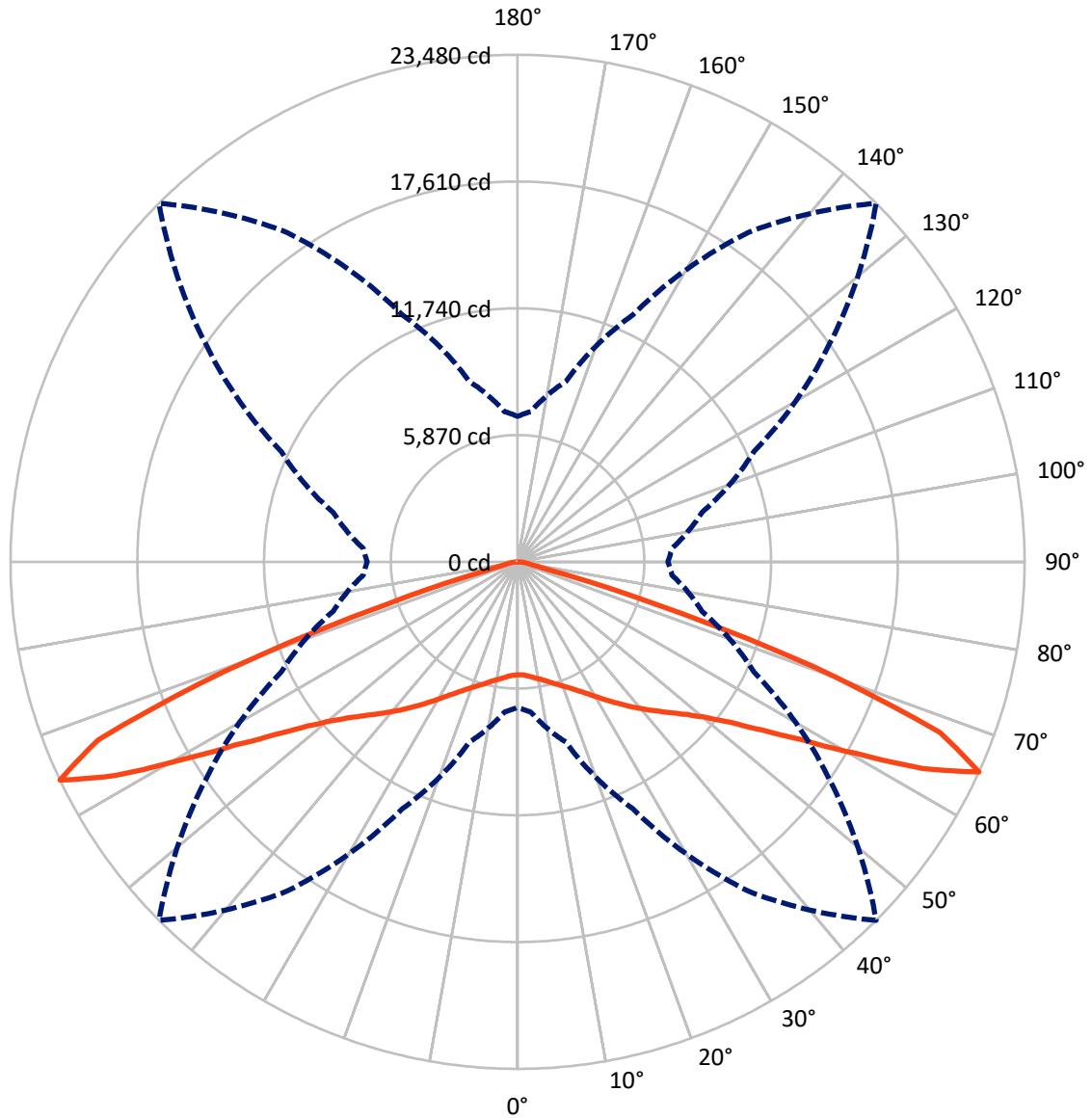
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

REPORT NUMBER: P316754
CATALOG NUMBER: GAN-SA0A-730-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316754
 CATALOG NUMBER: GAN-SA0A-730-U-5NQ

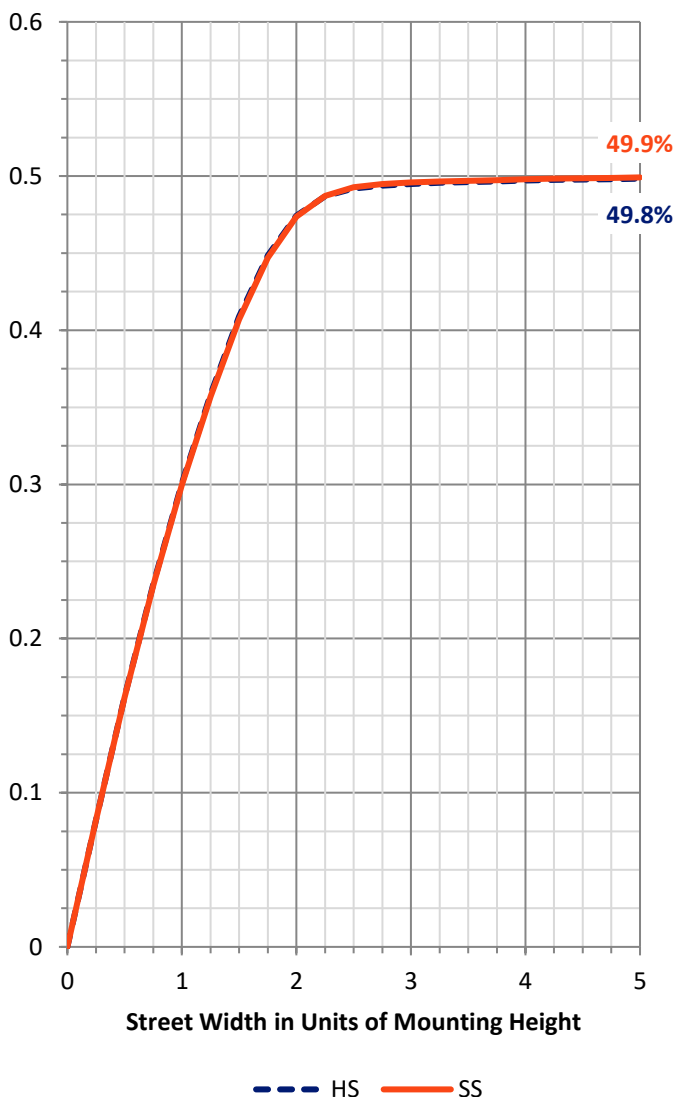
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21665.5	0.0	21665.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21665.5	0.0	21665.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43331.0	0.0	43331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.4	1.2
10°-20°	1650.2	3.8
20°-30°	3096.1	7.1
30°-40°	5120.4	11.8
40°-50°	7930.8	18.3
50°-60°	12163.6	28.1
60°-70°	11350.0	26.2
70°-80°	1321.0	3.0
80°-90°	185.6	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°	43331.0	100.0
0°-180°	43331.0	100.0

Coefficient of Utilization

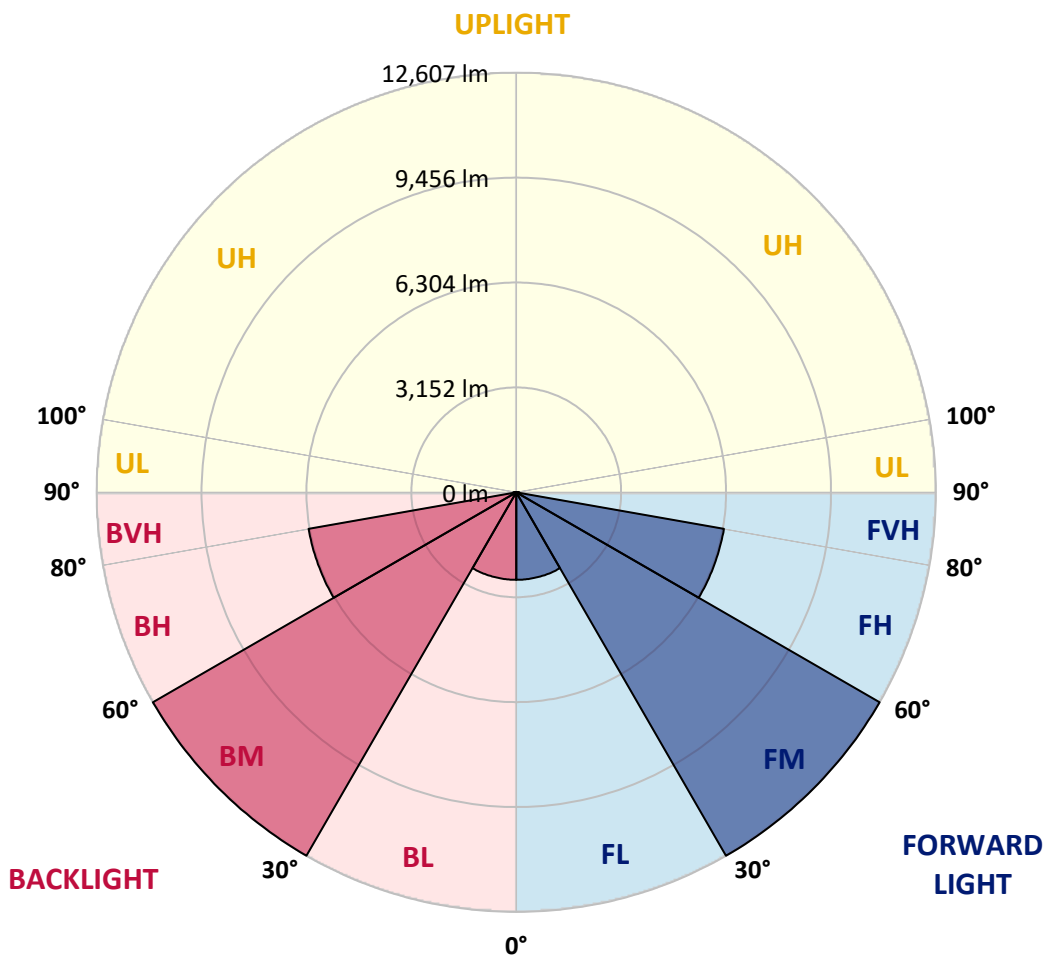


REPORT NUMBER: P316754
 CATALOG NUMBER: GAN-SA0A-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2629.9	6.1			
FM (30°-60°)	12607.3	29.1			
FH (60°-80°)	6335.5	14.6			G3/7500
FVH (80°-90°)	92.8	0.2			G1/100
BL (0°-30°)	2629.9	6.1	B4/5000		
BM (30°-60°)	12607.3	29.1	B5		
BH (60°-80°)	6335.5	14.6	B5		G3/7500
BVH (80°-90°)	92.8	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





REPORT NUMBER: P316754
 CATALOG NUMBER: GAN-SAOA-730-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5232.8	5232.8	5232.8	5232.8	5232.8	5232.8	5232.8	5232.8	5232.8	5232.8	5232.8
2.5°	5250.0	5247.2	5250.0	5251.5	5242.8	5247.2	5245.7	5252.9	5255.8	5252.9	5252.9
5°	5310.4	5306.1	5311.9	5319.1	5307.6	5310.4	5306.1	5314.8	5317.6	5311.9	5316.2
7.5°	5393.9	5395.3	5401.1	5414.0	5406.8	5412.6	5403.9	5405.4	5403.9	5395.3	5396.7
10°	5484.5	5485.9	5496.0	5513.2	5516.1	5516.1	5510.4	5506.1	5500.3	5494.5	5496.0
12.5°	5593.8	5601.0	5608.2	5629.8	5629.8	5641.3	5638.4	5626.9	5616.8	5608.2	5608.2
15°	5741.9	5740.5	5749.1	5770.7	5780.8	5799.5	5799.5	5783.7	5770.7	5762.1	5759.2
17.5°	5897.3	5901.6	5907.4	5933.3	5949.1	5970.6	5973.5	5960.6	5951.9	5940.4	5933.3
20°	6078.5	6085.7	6108.7	6118.8	6133.2	6153.3	6160.5	6157.6	6149.0	6143.3	6144.7
22.5°	6290.0	6308.7	6323.0	6337.4	6354.7	6369.1	6376.3	6386.3	6377.7	6373.4	6370.5
25°	6546.0	6558.9	6587.7	6613.6	6625.1	6629.4	6638.0	6652.4	6651.0	6640.9	6640.9
27.5°	6836.5	6861.0	6897.0	6934.4	6934.4	6920.0	6948.7	6973.2	6964.6	6951.6	6934.4
30°	7188.9	7212.0	7253.7	7305.4	7279.6	7269.5	7308.3	7352.9	7340.0	7318.4	7315.5
32.5°	7568.7	7590.2	7644.9	7701.0	7667.9	7653.5	7695.2	7760.0	7737.0	7693.8	7667.9
35°	7980.0	8001.6	8079.3	8146.9	8090.8	8066.3	8100.9	8171.3	8131.1	8050.5	8030.4
37.5°	8427.4	8438.9	8539.6	8608.6	8569.8	8505.0	8548.2	8600.0	8565.5	8467.6	8428.8
40°	8892.0	8933.7	9050.2	9130.7	9063.1	8961.0	9032.9	9104.8	9053.1	8927.9	8861.8
42.5°	9434.2	9465.9	9621.2	9693.1	9583.8	9440.0	9537.8	9635.6	9583.8	9463.0	9405.5
45°	9998.1	10047.0	10232.5	10304.4	10146.2	9963.5	10082.9	10254.1	10249.8	10075.7	10015.3
47.5°	10612.2	10661.2	10882.7	10977.6	10806.4	10561.9	10730.2	10971.8	10954.6	10763.3	10714.4
50°	11321.4	11373.1	11649.3	11768.7	11609.0	11324.2	11577.4	11790.3	11758.6	11522.7	11527.0
52.5°	12211.7	12208.8	12552.6	12759.7	12595.8	12344.0	12577.1	12784.2	12653.3	12326.8	12316.7
55°	12991.3	13038.8	13464.5	13857.2	13847.1	13750.8	13844.3	13852.9	13478.9	13044.5	12991.3
57.5°	13503.4	13594.0	14193.8	14904.3	15436.5	15564.5	15383.3	14833.8	13957.9	13263.2	13178.3
60°	13188.4	13326.4	14268.6	15717.0	17284.8	18037.1	17014.4	15309.9	13585.3	12617.3	12502.3
62.5°	11062.5	11295.5	12674.9	15324.3	18875.6	21074.9	18196.7	14546.2	12103.8	10770.5	10573.4
65°	6737.3	6983.3	8646.0	12613.0	18618.2	23479.8	17657.4	12073.6	8834.4	7176.0	6963.1
67.5°	2245.3	2317.2	3296.7	6971.7	14632.5	21096.5	14656.9	7227.8	3844.7	2548.8	2474.0
70°	878.8	886.0	1045.7	2020.9	6909.9	14490.1	7624.8	2056.9	1093.2	864.5	883.2
72.5°	645.8	648.7	693.3	844.3	1800.8	6383.5	1865.6	848.6	674.6	605.6	605.6
75°	519.2	519.2	550.9	615.6	806.9	1464.3	818.4	608.4	527.9	483.3	477.5
77.5°	409.9	418.6	443.0	484.7	546.6	704.8	566.7	481.9	425.8	384.0	375.4
80°	304.9	313.6	353.8	374.0	392.7	489.0	418.6	376.9	336.6	287.7	279.0
82.5°	199.9	208.6	258.9	270.4	266.1	319.3	281.9	277.6	247.4	185.5	176.9
85°	130.9	133.8	172.6	179.8	165.4	145.3	179.8	189.9	172.6	120.8	116.5
87.5°	61.8	61.8	87.7	82.0	74.8	60.4	82.0	96.4	97.8	59.0	57.5
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)