

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: P316809

Luminaire Tested: **GAN-SA5C-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316809
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-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 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: 36465 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

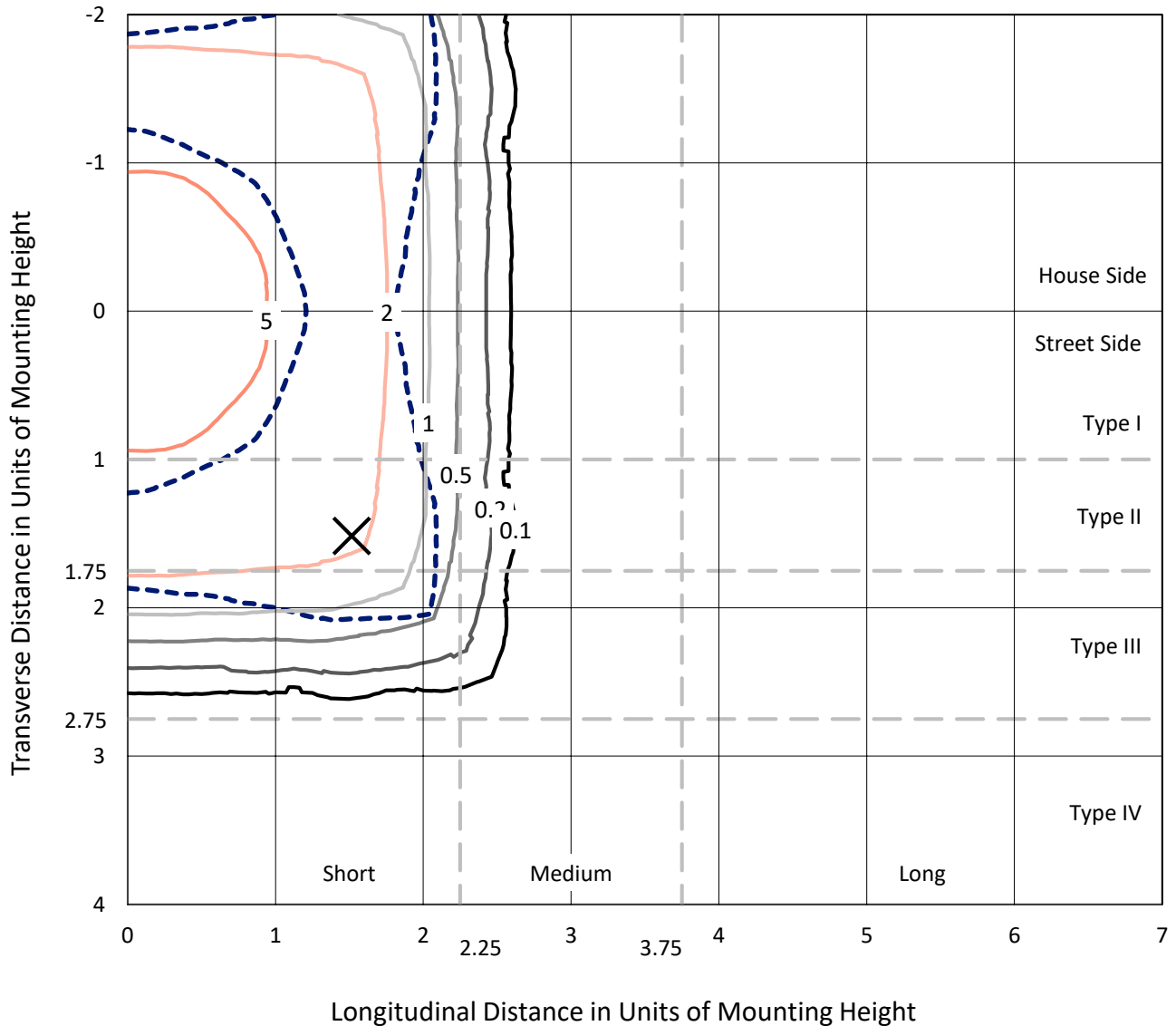
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316809
 CATALOG NUMBER: GAN-SA5C-740-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

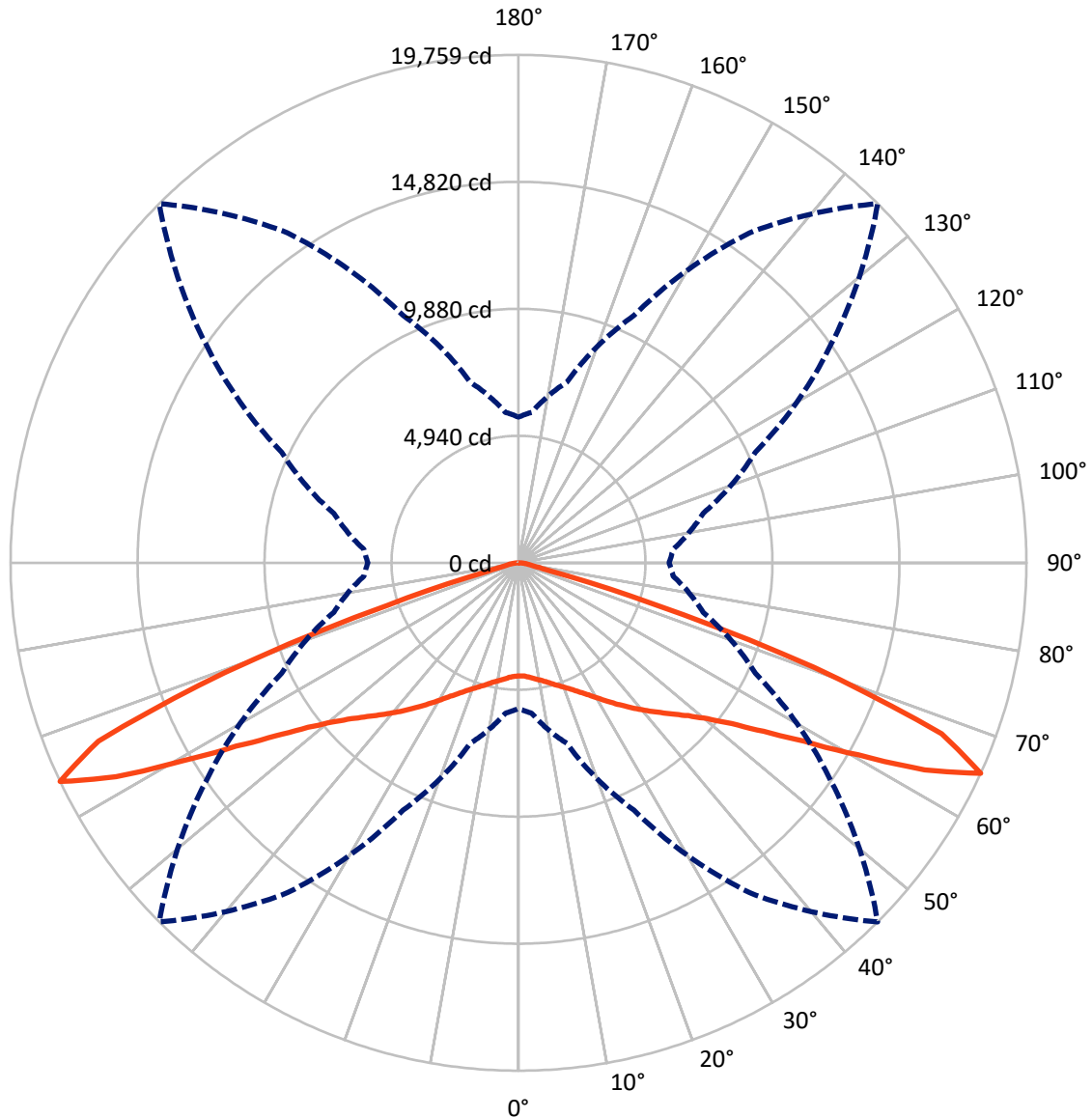
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316809
CATALOG NUMBER: GAN-SA5C-740-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316809
 CATALOG NUMBER: GAN-SA5C-740-U-5NQ

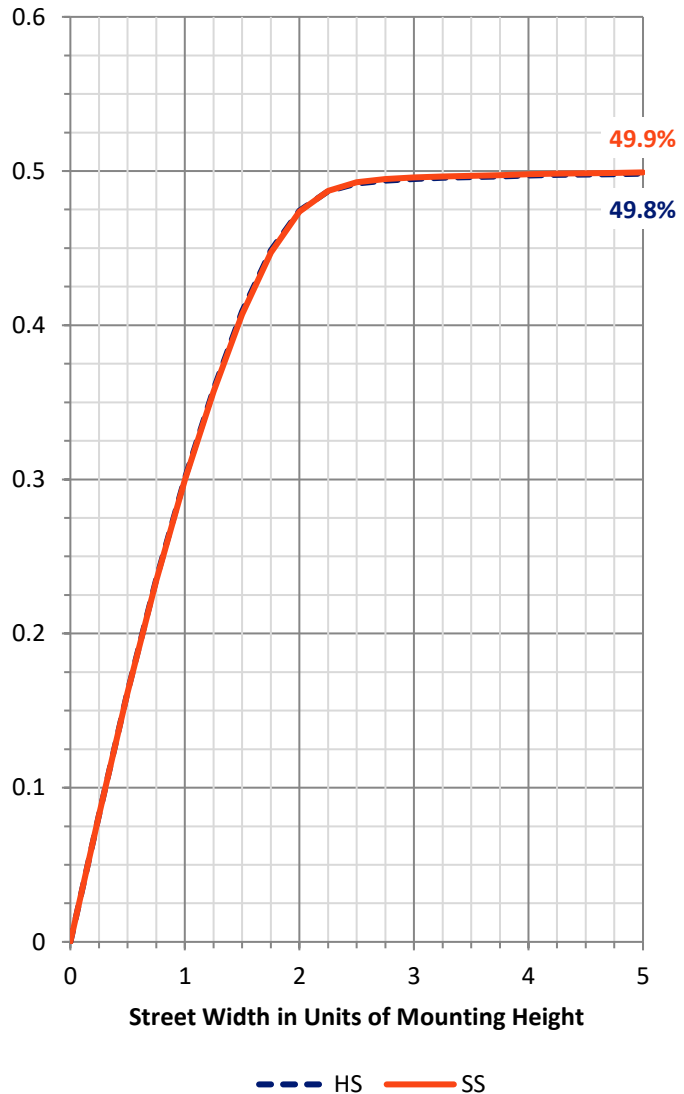
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18232.5	0.0	18232.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18232.5	0.0	18232.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36465.0	0.0	36465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.0	1.2
10°-20°	1388.7	3.8
20°-30°	2605.5	7.1
30°-40°	4309.0	11.8
40°-50°	6674.1	18.3
50°-60°	10236.2	28.1
60°-70°	9551.5	26.2
70°-80°	1111.7	3.0
80°-90°	156.2	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°	36465.0	100.0
0°-180°	36465.0	100.0

Coefficient of Utilization

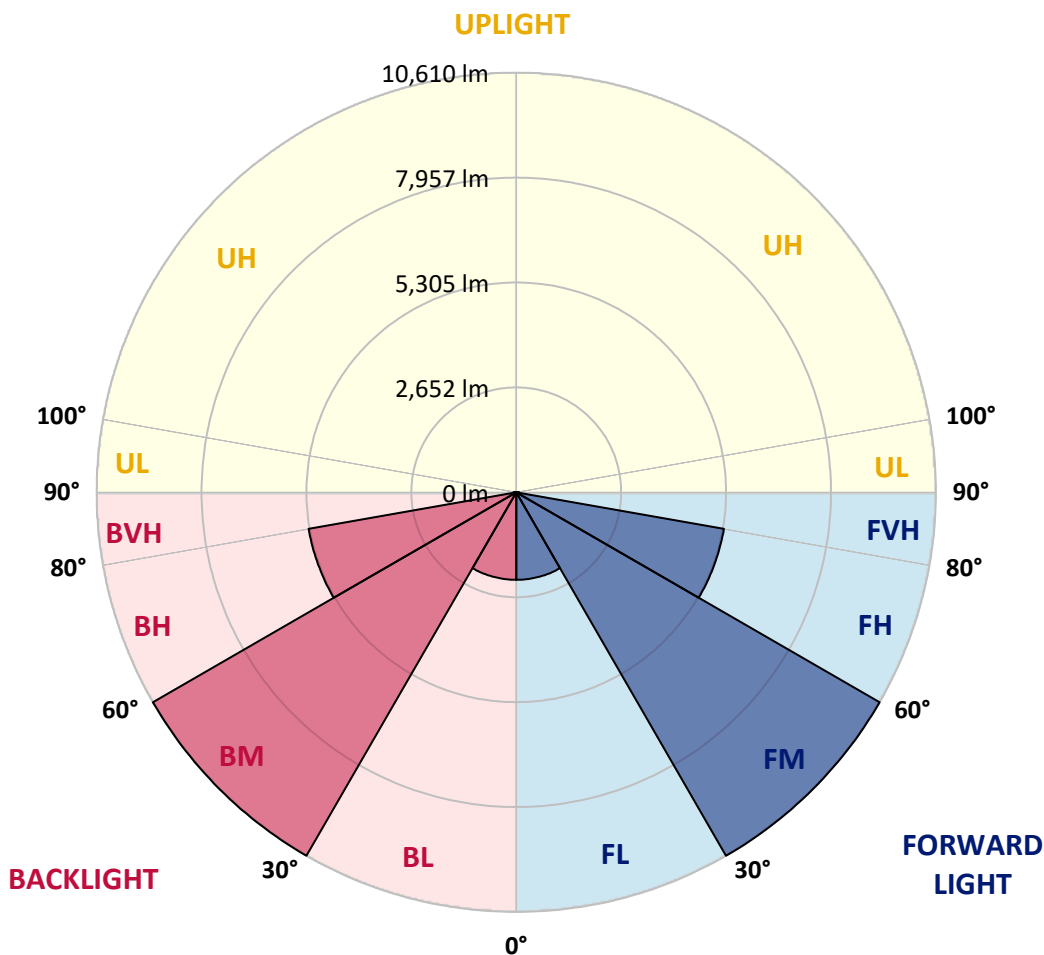


REPORT NUMBER: P316809
 CATALOG NUMBER: GAN-SA5C-740-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2213.2	6.1			
FM (30°-60°)	10609.7	29.1			
FH (60°-80°)	5331.6	14.6			G3/7500
FVH (80°-90°)	78.1	0.2			G1/100
BL (0°-30°)	2213.2	6.1	B3/2500		
BM (30°-60°)	10609.7	29.1	B5		
BH (60°-80°)	5331.6	14.6	B5		G3/7500
BVH (80°-90°)	78.1	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





REPORT NUMBER: P316809
 CATALOG NUMBER: GAN-SA5C-740-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4403.6	4403.6	4403.6	4403.6	4403.6	4403.6	4403.6	4403.6	4403.6	4403.6	4403.6
2.5°	4418.1	4415.7	4418.1	4419.3	4412.1	4415.7	4414.5	4420.6	4423.0	4420.6	4420.6
5°	4469.0	4465.3	4470.2	4476.2	4466.6	4469.0	4465.3	4472.6	4475.0	4470.2	4473.8
7.5°	4539.2	4540.4	4545.2	4556.1	4550.1	4554.9	4547.7	4548.9	4547.7	4540.4	4541.6
10°	4615.4	4616.6	4625.1	4639.6	4642.1	4642.1	4637.2	4633.6	4628.8	4623.9	4625.1
12.5°	4707.4	4713.5	4719.5	4737.7	4737.7	4747.4	4745.0	4735.3	4726.8	4719.5	4719.5
15°	4832.1	4830.9	4838.2	4856.3	4864.8	4880.5	4880.5	4867.2	4856.3	4849.1	4846.6
17.5°	4962.8	4966.5	4971.3	4993.1	5006.4	5024.6	5027.0	5016.1	5008.8	4999.2	4993.1
20°	5115.4	5121.4	5140.8	5149.2	5161.4	5178.3	5184.3	5181.9	5174.7	5169.8	5171.0
22.5°	5293.3	5309.0	5321.1	5333.2	5347.8	5359.9	5365.9	5374.4	5367.1	5363.5	5361.1
25°	5508.7	5519.6	5543.9	5565.6	5575.3	5579.0	5586.2	5598.3	5597.1	5588.6	5588.6
27.5°	5753.3	5773.8	5804.1	5835.6	5835.6	5823.5	5847.7	5868.3	5861.0	5850.1	5835.6
30°	6049.8	6069.2	6104.3	6147.9	6126.1	6117.6	6150.3	6187.8	6176.9	6158.8	6156.3
32.5°	6369.4	6387.5	6433.5	6480.7	6452.9	6440.8	6475.9	6530.4	6511.0	6474.7	6452.9
35°	6715.6	6733.7	6799.1	6856.0	6808.8	6788.2	6817.2	6876.6	6842.7	6774.9	6757.9
37.5°	7092.0	7101.7	7186.4	7244.5	7211.9	7157.4	7193.7	7237.3	7208.2	7125.9	7093.2
40°	7483.0	7518.1	7616.1	7683.9	7627.0	7541.1	7601.6	7662.1	7618.6	7513.3	7457.6
42.5°	7939.3	7966.0	8096.7	8157.2	8065.2	7944.2	8026.5	8108.8	8065.2	7963.5	7915.1
45°	8413.8	8455.0	8611.1	8671.7	8538.5	8384.8	8485.2	8629.3	8625.7	8479.2	8428.4
47.5°	8930.7	8971.8	9158.3	9238.1	9094.1	8888.3	9029.9	9233.3	9218.8	9057.8	9016.6
50°	9527.4	9571.0	9803.4	9903.9	9769.5	9529.9	9742.9	9922.0	9895.4	9696.9	9700.5
52.5°	10276.7	10274.3	10563.6	10737.9	10599.9	10388.1	10584.2	10758.5	10648.3	10373.5	10365.1
55°	10932.8	10972.7	11331.0	11661.5	11653.0	11571.9	11650.6	11657.8	11343.1	10977.6	10932.8
57.5°	11363.7	11439.9	11944.7	12542.7	12990.5	13098.3	12945.7	12483.4	11746.2	11161.5	11090.1
60°	11098.6	11214.8	12007.6	13226.6	14546.0	15179.0	14318.4	12884.0	11432.7	10618.1	10521.2
62.5°	9309.6	9505.6	10666.5	12896.1	15884.7	17735.5	15313.4	12241.3	10185.9	9063.8	8898.0
65°	5669.7	5876.7	7276.0	10614.4	15668.0	19759.4	14859.5	10160.5	7434.6	6038.9	5859.8
67.5°	1889.5	1950.0	2774.3	5867.0	12313.9	17753.6	12334.5	6082.5	3235.5	2144.9	2082.0
70°	739.6	745.6	880.0	1700.7	5815.0	12194.1	6416.6	1730.9	919.9	727.5	743.2
72.5°	543.5	545.9	583.4	710.5	1515.5	5372.0	1570.0	714.2	567.7	509.6	509.6
75°	437.0	437.0	463.6	518.1	679.1	1232.2	688.7	512.0	444.2	406.7	401.9
77.5°	345.0	352.2	372.8	407.9	460.0	593.1	476.9	405.5	358.3	323.2	315.9
80°	256.6	263.9	297.8	314.7	330.5	411.6	352.2	317.1	283.2	242.1	234.8
82.5°	168.3	175.5	217.9	227.6	223.9	268.7	237.2	233.6	208.2	156.1	148.9
85°	110.2	112.6	145.3	151.3	139.2	122.3	151.3	159.8	145.3	101.7	98.0
87.5°	52.0	52.0	73.8	69.0	62.9	50.8	69.0	81.1	82.3	49.6	48.4
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)