

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: P316483

Luminaire Tested: **GAN-SA9B-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316483
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-SA9B-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53669 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

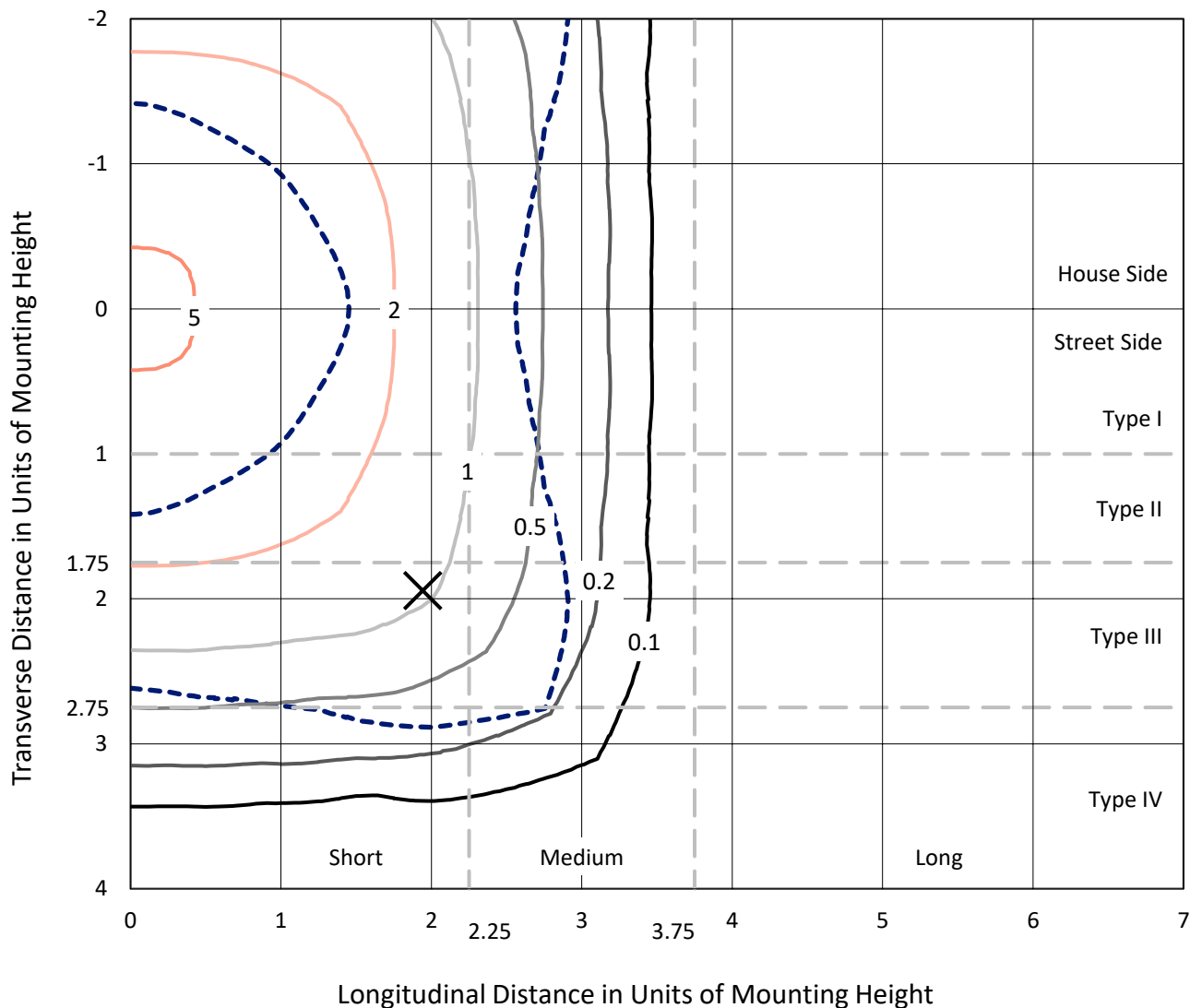
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316483
 CATALOG NUMBER: GAN-SA9B-740-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

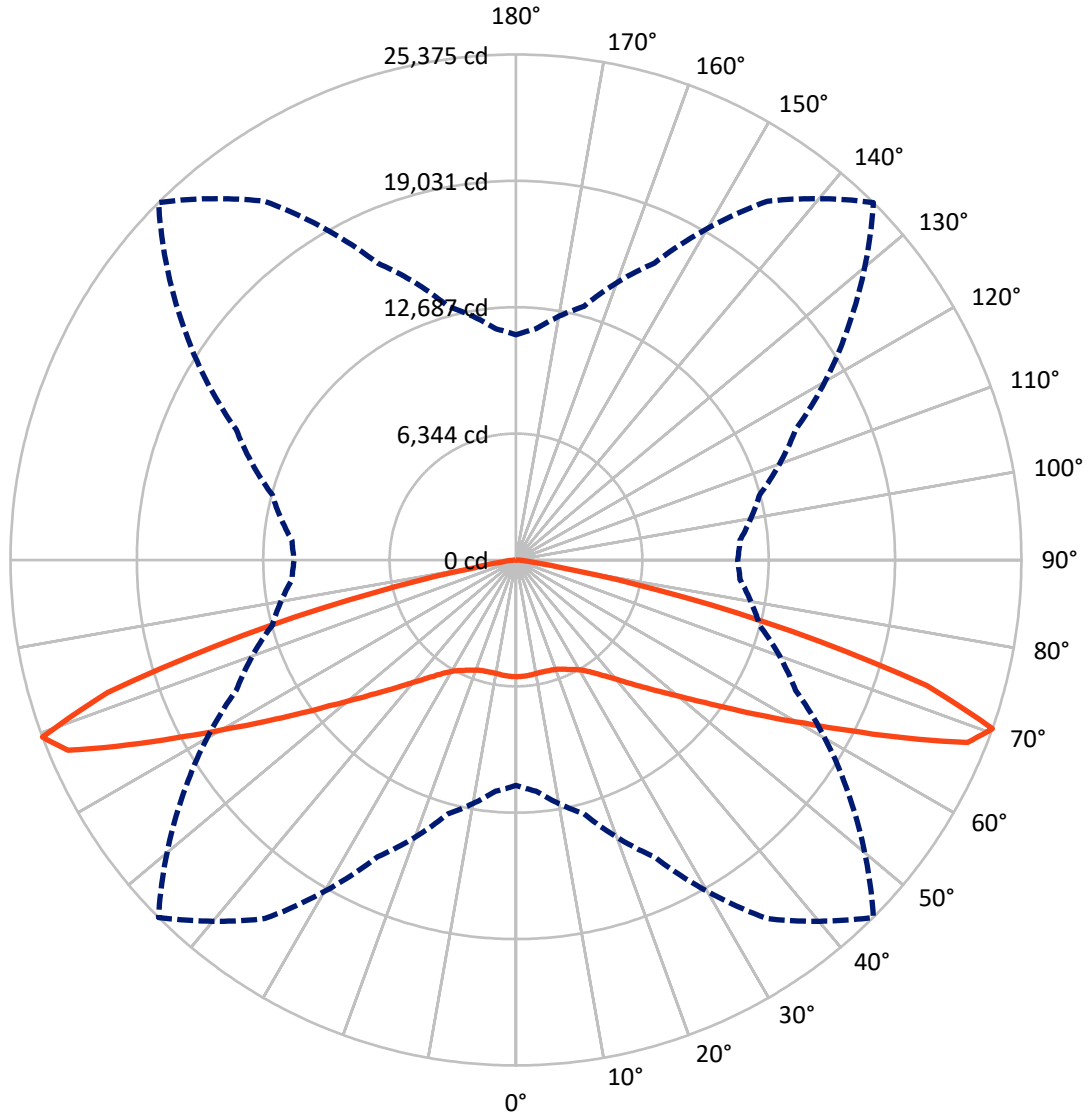
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

REPORT NUMBER: P316483
CATALOG NUMBER: GAN-SA9B-740-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316483
 CATALOG NUMBER: GAN-SA9B-740-U-5MQ

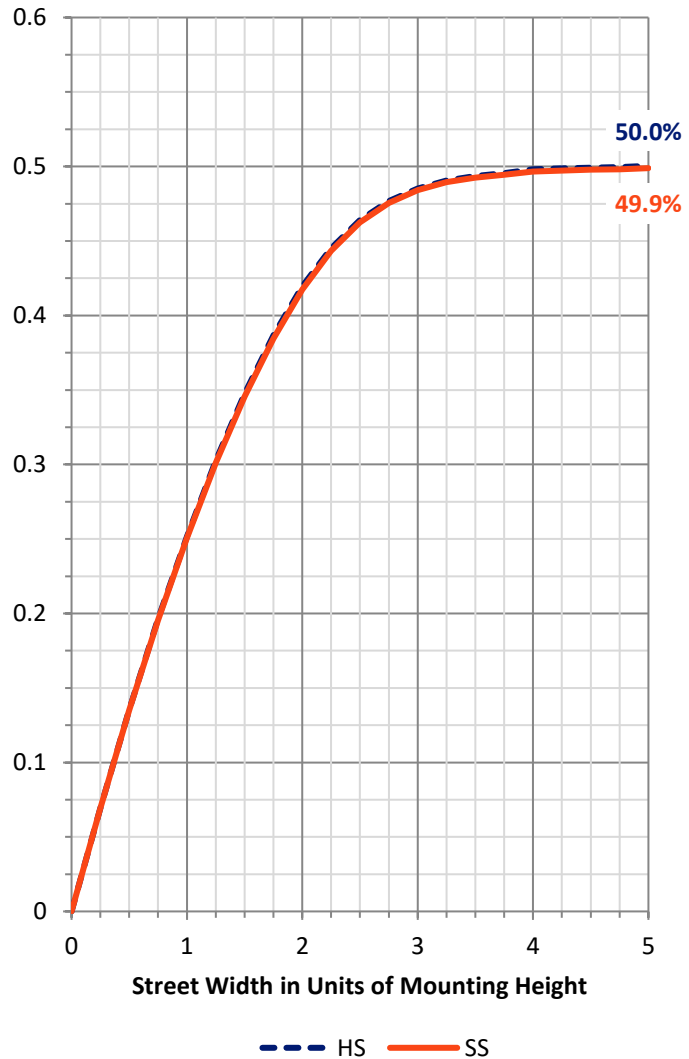
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26834.5	0.0	26834.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26834.5	0.0	26834.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53669.0	0.0	53669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.1	1.0
10°-20°	1629.8	3.0
20°-30°	2774.4	5.2
30°-40°	4400.1	8.2
40°-50°	7160.4	13.3
50°-60°	11806.2	22.0
60°-70°	17331.8	32.3
70°-80°	7664.1	14.3
80°-90°	347.1	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°	53669.0	100.0
0°-180°	53669.0	100.0

Coefficient of Utilization

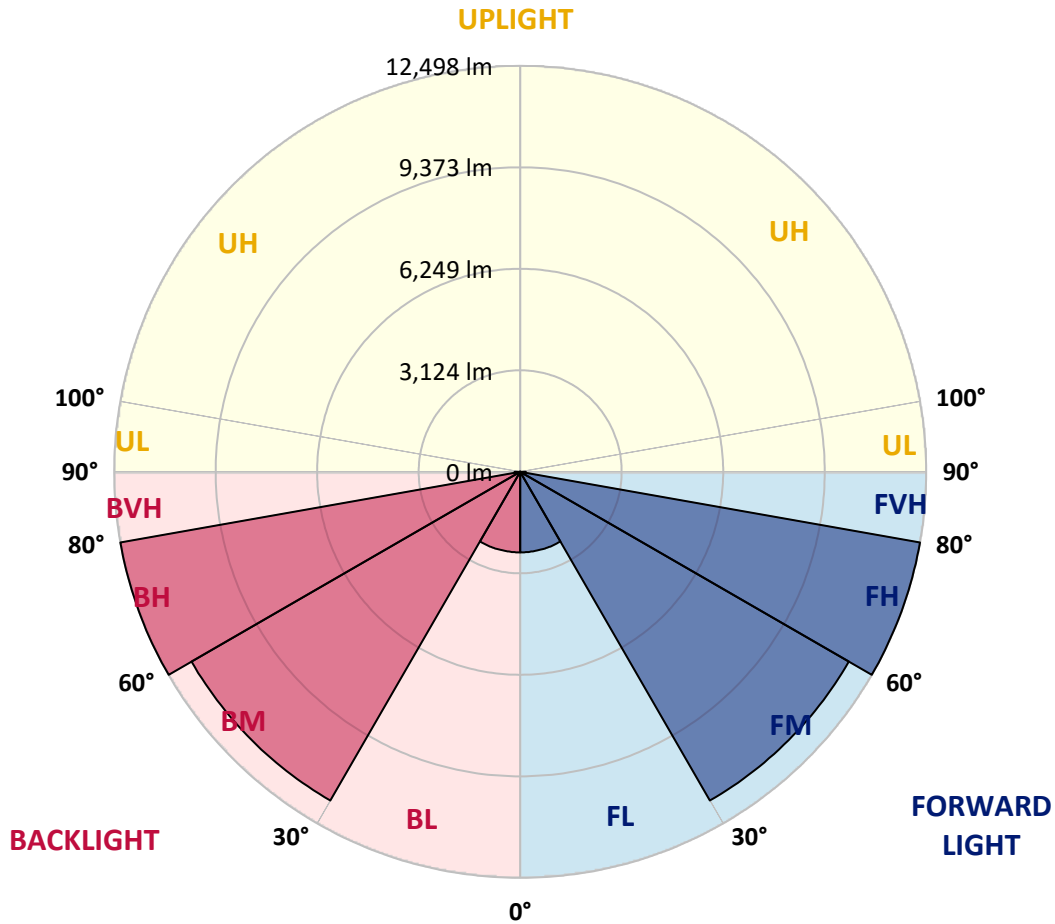


REPORT NUMBER: P316483
 CATALOG NUMBER: GAN-SA9B-740-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2479.6	4.6			
FM (30°-60°)	11683.4	21.8			
FH (60°-80°)	12498.0	23.3			G5
FVH (80°-90°)	173.5	0.3			G2/225
BL (0°-30°)	2479.6	4.6	B3/2500		
BM (30°-60°)	11683.4	21.8	B5		
BH (60°-80°)	12498.0	23.3	B5		G5
BVH (80°-90°)	173.5	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





REPORT NUMBER: P316483

CATALOG NUMBER: GAN-SA9B-740-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5861.5	5861.5	5861.5	5861.5	5861.5	5861.5	5861.5	5861.5	5861.5	5861.5	5861.5
2.5°	5852.6	5847.3	5859.7	5857.9	5847.3	5849.1	5849.1	5854.4	5854.4	5850.8	5850.8
5°	5831.3	5827.7	5842.0	5842.0	5831.3	5834.8	5838.4	5843.7	5842.0	5838.4	5836.6
7.5°	5804.7	5802.9	5817.1	5817.1	5810.0	5813.5	5810.0	5811.8	5808.2	5804.7	5799.3
10°	5760.2	5763.8	5776.2	5779.8	5779.8	5781.6	5778.0	5769.1	5763.8	5758.5	5753.1
12.5°	5719.4	5717.6	5735.4	5744.3	5758.5	5774.5	5763.8	5738.9	5728.3	5717.6	5714.1
15°	5692.8	5694.5	5712.3	5728.3	5753.1	5786.9	5774.5	5735.4	5714.1	5701.6	5698.1
17.5°	5687.4	5691.0	5714.1	5742.5	5769.1	5806.4	5799.3	5760.2	5724.7	5701.6	5696.3
20°	5699.9	5701.6	5737.2	5778.0	5824.2	5859.7	5843.7	5801.1	5753.1	5717.6	5708.7
22.5°	5722.9	5730.1	5774.5	5838.4	5909.4	5957.4	5937.9	5865.0	5790.4	5746.0	5733.6
25°	5795.8	5797.5	5857.9	5945.0	6030.2	6085.3	6062.2	5959.2	5863.3	5813.5	5797.5
27.5°	5946.7	5952.1	6012.5	6113.7	6186.5	6222.1	6207.9	6124.4	6042.7	5989.4	5994.7
30°	6165.2	6172.3	6239.8	6351.7	6396.1	6405.0	6401.5	6362.4	6287.8	6216.7	6222.1
32.5°	6431.7	6435.2	6525.8	6627.0	6662.6	6669.7	6662.6	6627.0	6538.2	6442.3	6447.6
35°	6774.5	6785.1	6872.2	6969.8	6998.3	7012.5	7000.0	6953.9	6861.5	6767.4	6763.8
37.5°	7197.2	7199.0	7289.6	7390.8	7426.3	7429.9	7415.7	7385.5	7270.0	7184.8	7179.4
40°	7687.4	7694.5	7801.1	7909.5	7923.7	7907.7	7927.2	7909.5	7790.5	7692.8	7708.7
42.5°	8284.2	8300.2	8428.1	8534.7	8493.8	8485.0	8497.4	8502.7	8406.8	8287.8	8277.1
45°	8978.7	8992.9	9152.8	9238.1	9211.4	9152.8	9177.7	9220.3	9087.1	8939.7	8953.9
47.5°	9770.9	9806.5	9977.0	10056.9	9991.2	9911.2	9959.2	10023.1	9866.8	9683.9	9675.0
50°	10651.9	10696.3	10923.7	11035.6	10969.9	10822.4	10902.4	10945.0	10719.4	10483.2	10463.6
52.5°	11591.5	11635.9	11921.9	12152.8	12110.2	11881.1	11993.0	11948.6	11689.2	11371.3	11346.4
55°	12655.5	12673.3	12982.3	13355.3	13397.9	13229.2	13222.1	13149.3	12765.6	12397.9	12380.2
57.5°	13749.6	13762.1	14161.7	14602.2	14802.9	14802.9	14604.0	14449.5	13939.7	13513.4	13469.0
60°	14930.8	14975.2	15417.5	16016.1	16485.0	16623.5	16271.9	15850.9	15296.7	14776.3	14724.8
62.5°	15982.3	16033.8	16710.6	17602.2	18355.3	18859.8	18000.1	17314.5	16305.6	15470.8	15373.1
65°	16115.5	16254.1	17239.9	18854.5	20540.1	21547.2	19898.9	18209.7	16371.3	15211.5	15112.0
67.5°	14717.7	14952.1	16284.3	18797.6	22280.8	24442.4	21112.0	17698.1	15191.9	13909.5	13799.4
70°	11309.1	11650.2	13186.6	16442.4	21980.6	25374.9	20351.8	15493.9	12666.1	11286.0	11131.5
72.5°	6204.3	6344.6	7726.5	11259.4	17621.8	21563.2	16975.2	11456.5	8399.7	6834.9	6575.5
75°	1968.0	2017.8	2721.2	4607.5	9968.1	14282.5	10783.4	5623.5	3095.9	2282.4	2255.8
77.5°	873.9	879.2	984.0	1344.6	3433.4	7236.3	4124.4	1531.1	1055.1	921.9	952.0
80°	552.4	552.4	609.2	666.1	934.3	2101.3	1115.5	728.2	621.7	577.3	589.7
82.5°	264.7	293.1	396.1	426.3	513.3	706.9	571.9	476.0	415.6	309.1	287.7
85°	174.1	145.6	250.4	282.4	298.4	339.3	332.2	314.4	271.8	154.5	172.3
87.5°	78.2	74.6	129.7	119.0	111.9	85.3	127.9	158.1	152.8	76.4	76.4
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)