

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: P316500

Luminaire Tested: **GAN-SA6D-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316500
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-SA6D-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48752 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

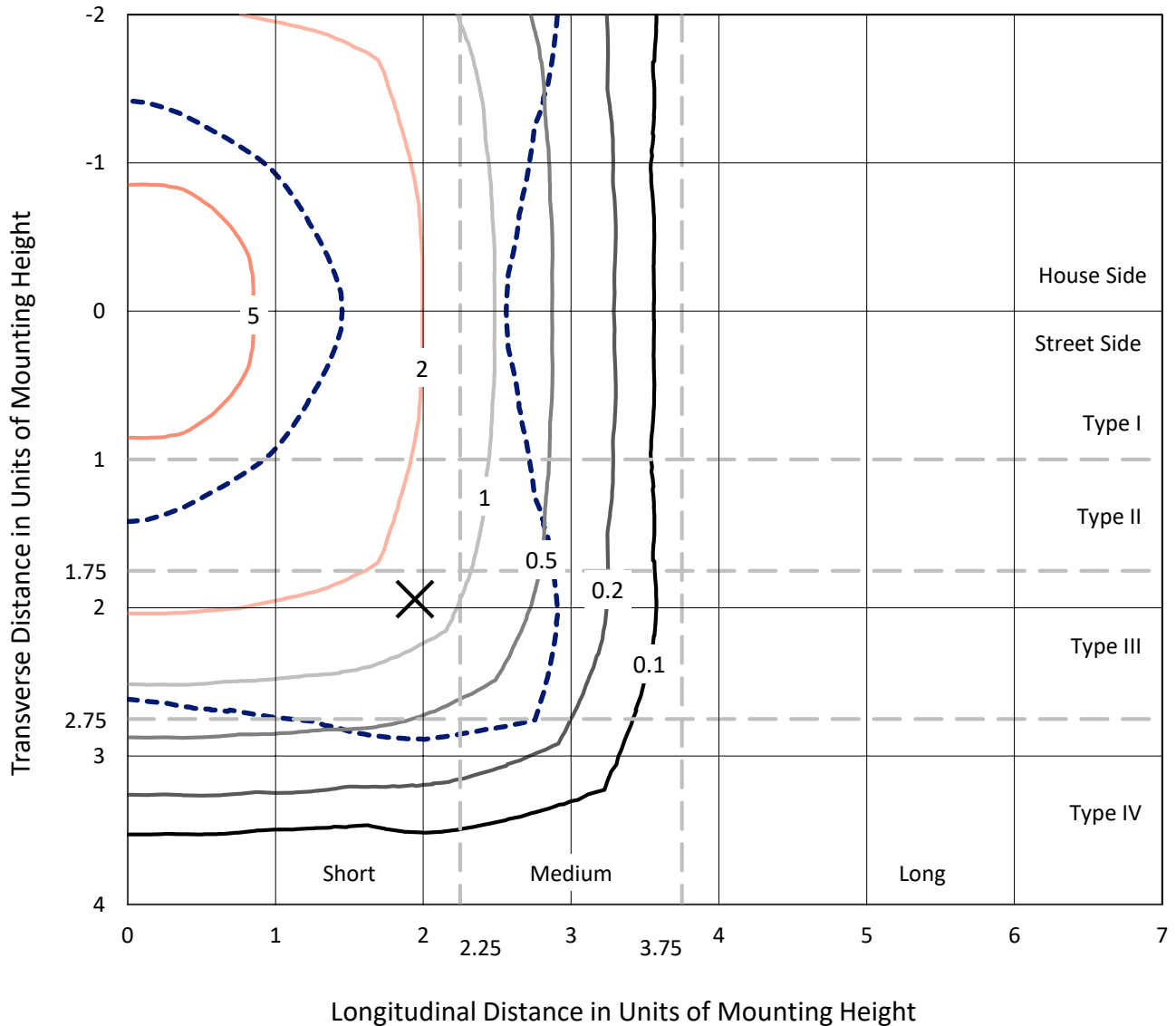
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316500
 CATALOG NUMBER: GAN-SA6D-740-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

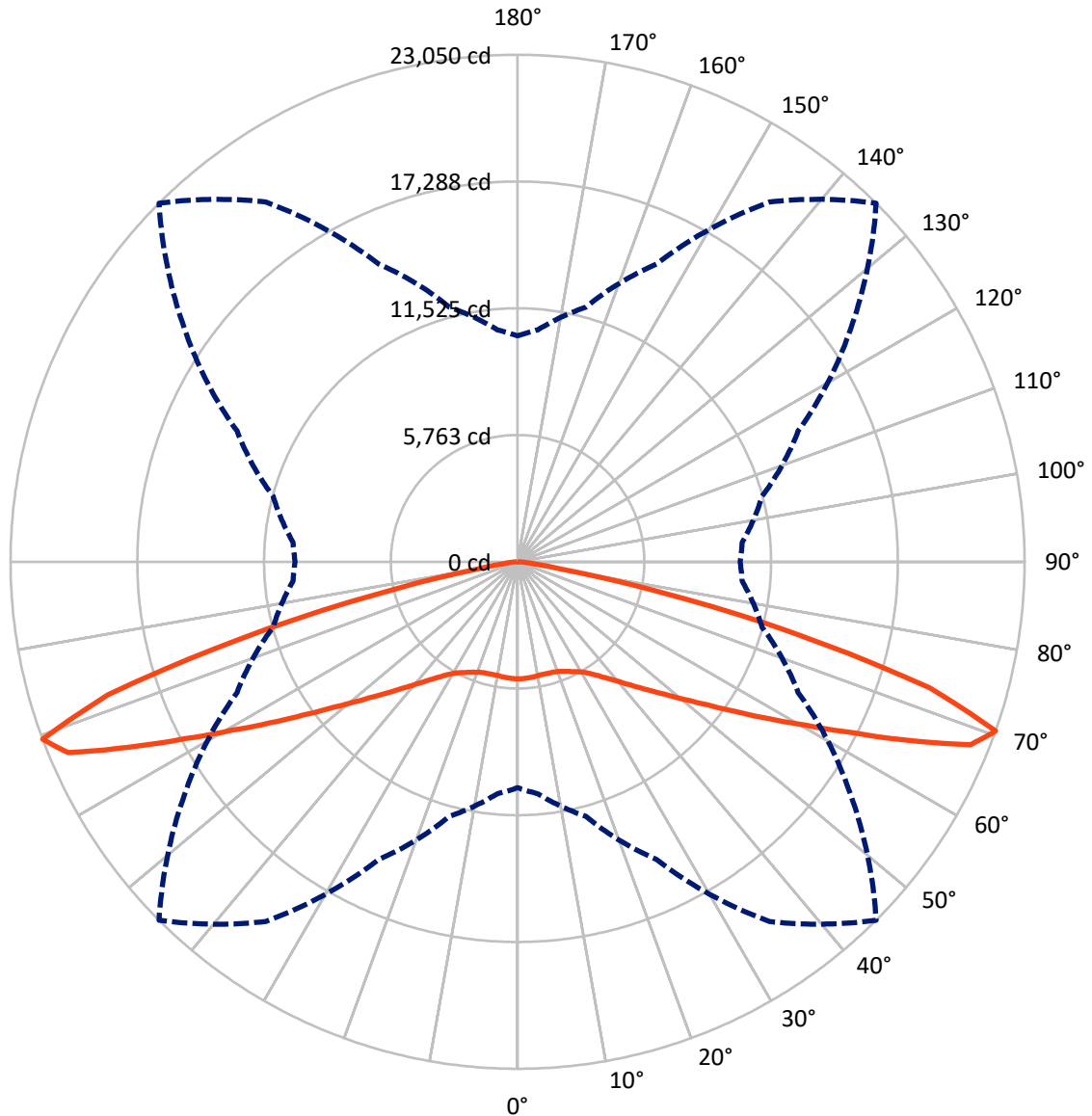
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

REPORT NUMBER: P316500
CATALOG NUMBER: GAN-SA6D-740-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316500
 CATALOG NUMBER: GAN-SA6D-740-U-5MQ

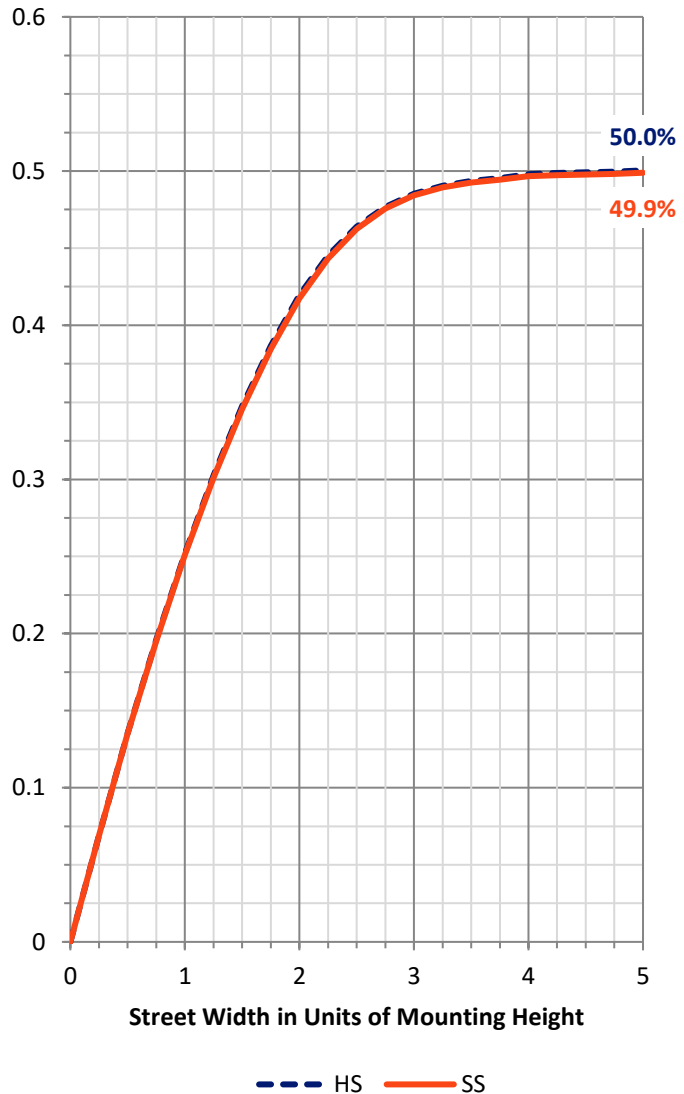
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24376.0	0.0	24376.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24376.0	0.0	24376.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48752.0	0.0	48752.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.3	1.0
10°-20°	1480.4	3.0
20°-30°	2520.2	5.2
30°-40°	3997.0	8.2
40°-50°	6504.4	13.3
50°-60°	10724.5	22.0
60°-70°	15743.9	32.3
70°-80°	6961.9	14.3
80°-90°	315.3	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°	48752.0	100.0
0°-180°	48752.0	100.0

Coefficient of Utilization

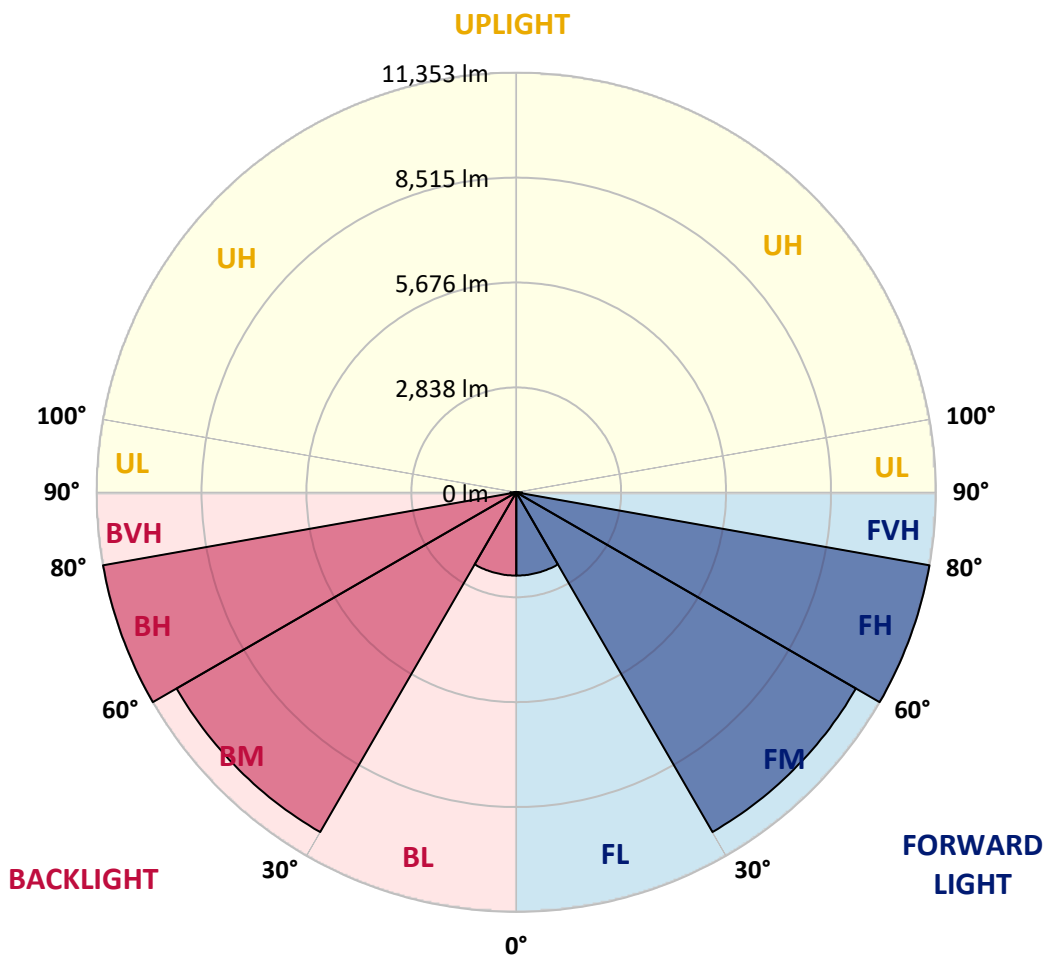


REPORT NUMBER: P316500
 CATALOG NUMBER: GAN-SA6D-740-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2252.5	4.6			
FM (30°-60°)	10613.0	21.8			
FH (60°-80°)	11352.9	23.3			G4/12000
FVH (80°-90°)	157.6	0.3			G2/225
BL (0°-30°)	2252.5	4.6	B3/2500		
BM (30°-60°)	10613.0	21.8	B5		
BH (60°-80°)	11352.9	23.3	B5		G4/12000
BVH (80°-90°)	157.6	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-G4
 Type V Short





REPORT NUMBER: P316500
 CATALOG NUMBER: GAN-SA6D-740-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5324.5	5324.5	5324.5	5324.5	5324.5	5324.5	5324.5	5324.5	5324.5	5324.5	5324.5
2.5°	5316.4	5311.6	5322.9	5321.3	5311.6	5313.2	5313.2	5318.0	5318.0	5314.8	5314.8
5°	5297.0	5293.8	5306.7	5306.7	5297.0	5300.3	5303.5	5308.3	5306.7	5303.5	5301.9
7.5°	5272.8	5271.2	5284.1	5284.1	5277.7	5280.9	5277.7	5279.3	5276.1	5272.8	5268.0
10°	5232.5	5235.7	5247.0	5250.3	5250.3	5251.9	5248.6	5240.6	5235.7	5230.9	5226.1
12.5°	5195.4	5193.8	5209.9	5218.0	5230.9	5245.4	5235.7	5213.1	5203.5	5193.8	5190.6
15°	5171.2	5172.8	5188.9	5203.5	5226.1	5256.7	5245.4	5209.9	5190.6	5179.3	5176.0
17.5°	5166.4	5169.6	5190.6	5216.4	5240.6	5274.5	5268.0	5232.5	5200.2	5179.3	5174.4
20°	5177.7	5179.3	5211.5	5248.6	5290.6	5322.9	5308.3	5269.6	5226.1	5193.8	5185.7
22.5°	5198.6	5205.1	5245.4	5303.5	5368.0	5411.6	5393.9	5327.7	5259.9	5219.6	5208.3
25°	5264.8	5266.4	5321.3	5400.3	5477.8	5527.8	5506.8	5413.2	5326.1	5280.9	5266.4
27.5°	5401.9	5406.8	5461.6	5553.6	5619.7	5652.0	5639.1	5563.3	5489.1	5440.6	5445.5
30°	5600.4	5606.8	5668.1	5769.8	5810.1	5818.2	5815.0	5779.5	5711.7	5647.2	5652.0
32.5°	5842.4	5845.6	5927.9	6019.9	6052.2	6058.6	6052.2	6019.9	5939.2	5852.1	5856.9
35°	6153.8	6163.5	6242.5	6331.3	6357.1	6370.0	6358.7	6316.8	6232.9	6147.4	6144.1
37.5°	6537.8	6539.4	6621.7	6713.7	6746.0	6749.2	6736.3	6708.8	6604.0	6526.5	6521.7
40°	6983.1	6989.6	7086.4	7184.8	7197.7	7183.2	7201.0	7184.8	7076.7	6988.0	7002.5
42.5°	7525.3	7539.8	7656.0	7752.8	7715.7	7707.6	7718.9	7723.7	7636.6	7528.5	7518.8
45°	8156.1	8169.0	8314.3	8391.7	8367.5	8314.3	8336.8	8375.6	8254.6	8120.6	8133.5
47.5°	8875.7	8908.0	9062.9	9135.5	9075.8	9003.2	9046.8	9104.9	8962.9	8796.7	8788.6
50°	9676.0	9716.4	9922.9	10024.5	9964.8	9830.9	9903.5	9942.3	9737.3	9522.7	9505.0
52.5°	10529.6	10569.9	10829.7	11039.4	11000.7	10792.6	10894.2	10853.9	10618.3	10329.5	10306.9
55°	11496.0	11512.2	11792.9	12131.7	12170.5	12017.2	12010.7	11944.6	11596.1	11262.1	11245.9
57.5°	12489.9	12501.2	12864.3	13264.4	13446.7	13446.7	13266.0	13125.6	12662.6	12275.3	12235.0
60°	13562.9	13603.2	14005.0	14548.7	14974.7	15100.5	14781.1	14398.7	13895.3	13422.5	13375.7
62.5°	14518.1	14564.9	15179.6	15989.6	16673.7	17131.9	16351.0	15728.2	14811.7	14053.4	13964.7
65°	14639.1	14764.9	15660.4	17127.1	18658.3	19573.1	18075.8	16541.4	14871.4	13817.8	13727.5
67.5°	13369.3	13582.3	14792.4	17075.4	20239.5	22203.1	19177.8	16076.7	13800.1	12635.1	12535.1
70°	10273.0	10582.8	11978.5	14936.0	19966.8	23050.1	18487.2	14074.4	11505.7	10252.0	10111.7
72.5°	5635.9	5763.3	7018.6	10227.8	16007.3	19587.6	15420.0	10406.9	7630.1	6208.7	5973.1
75°	1787.7	1832.9	2471.8	4185.4	9054.8	12974.0	9795.4	5108.3	2812.3	2073.3	2049.1
77.5°	793.8	798.7	893.9	1221.4	3118.9	6573.3	3746.5	1390.8	958.4	837.4	864.8
80°	501.8	501.8	553.4	605.1	848.7	1908.7	1013.3	661.5	564.7	524.4	535.7
82.5°	240.4	266.2	359.8	387.2	466.3	642.2	519.5	432.4	377.6	280.7	261.4
85°	158.1	132.3	227.5	256.5	271.1	308.2	301.7	285.6	246.9	140.4	156.5
87.5°	71.0	67.8	117.8	108.1	101.6	77.4	116.2	143.6	138.8	69.4	69.4
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)