

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: P317139

Luminaire Tested: **GAN-SA5D-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317139
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-SA5D-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39641 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

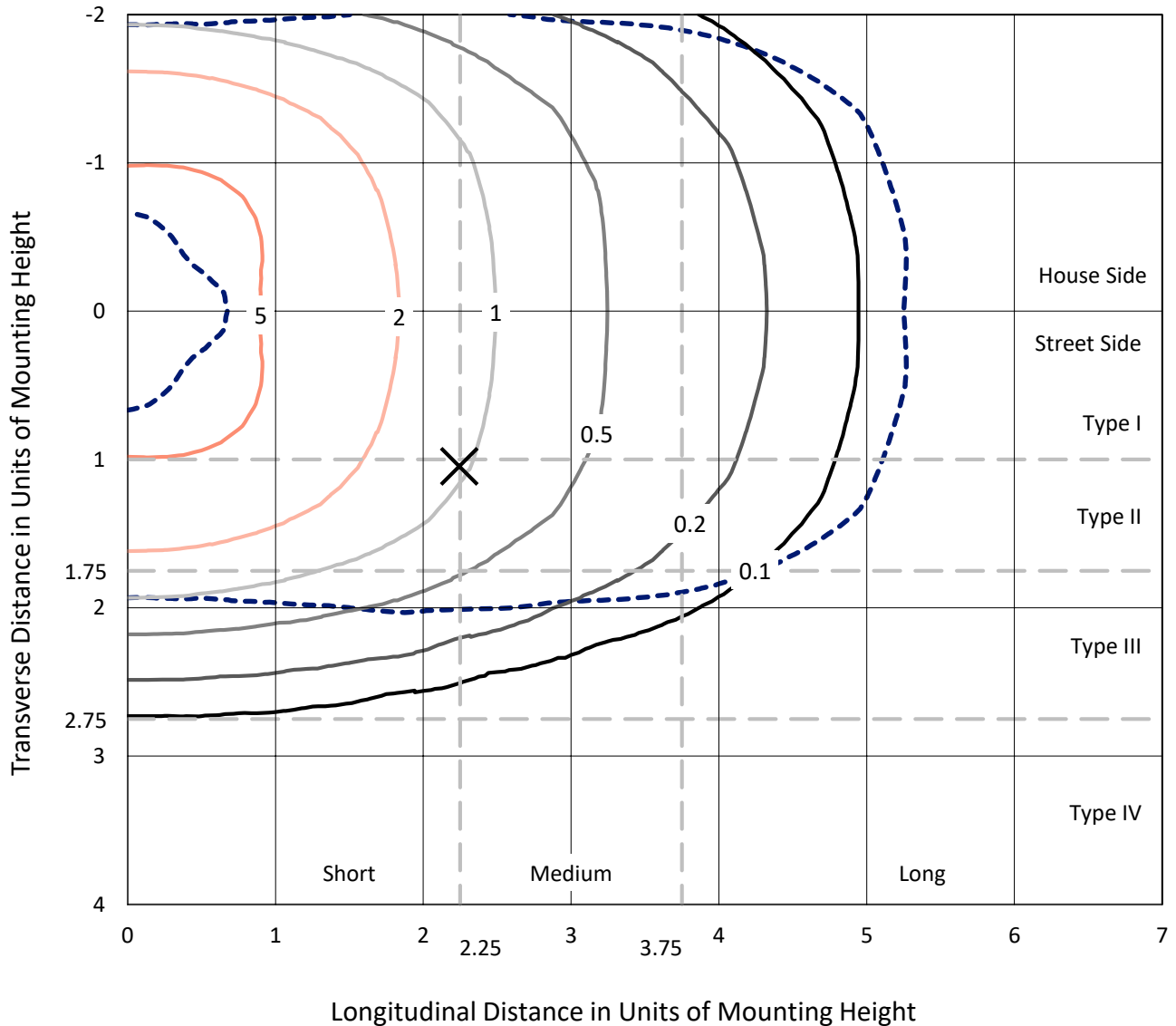
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

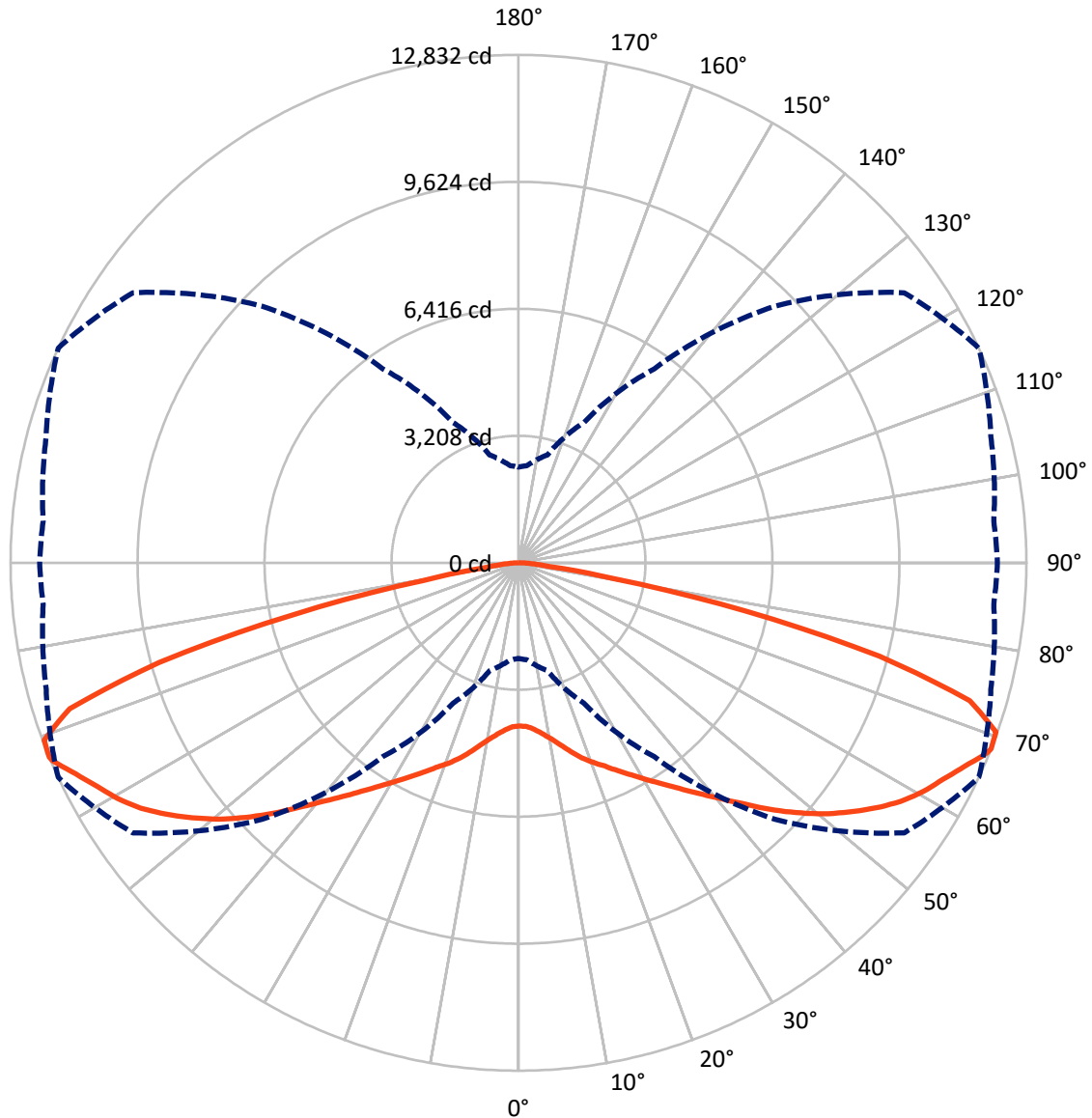
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19820.5	0.0	19820.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19820.5	0.0	19820.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39641.0	0.0	39641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.5	1.0
10°-20°	1351.2	3.4
20°-30°	2634.6	6.6
30°-40°	4425.9	11.2
40°-50°	6973.6	17.6
50°-60°	9326.0	23.5
60°-70°	9066.1	22.9
70°-80°	4956.0	12.5
80°-90°	504.0	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°	39641.0	100.0
0°-180°	39641.0	100.0

Coefficient of Utilization

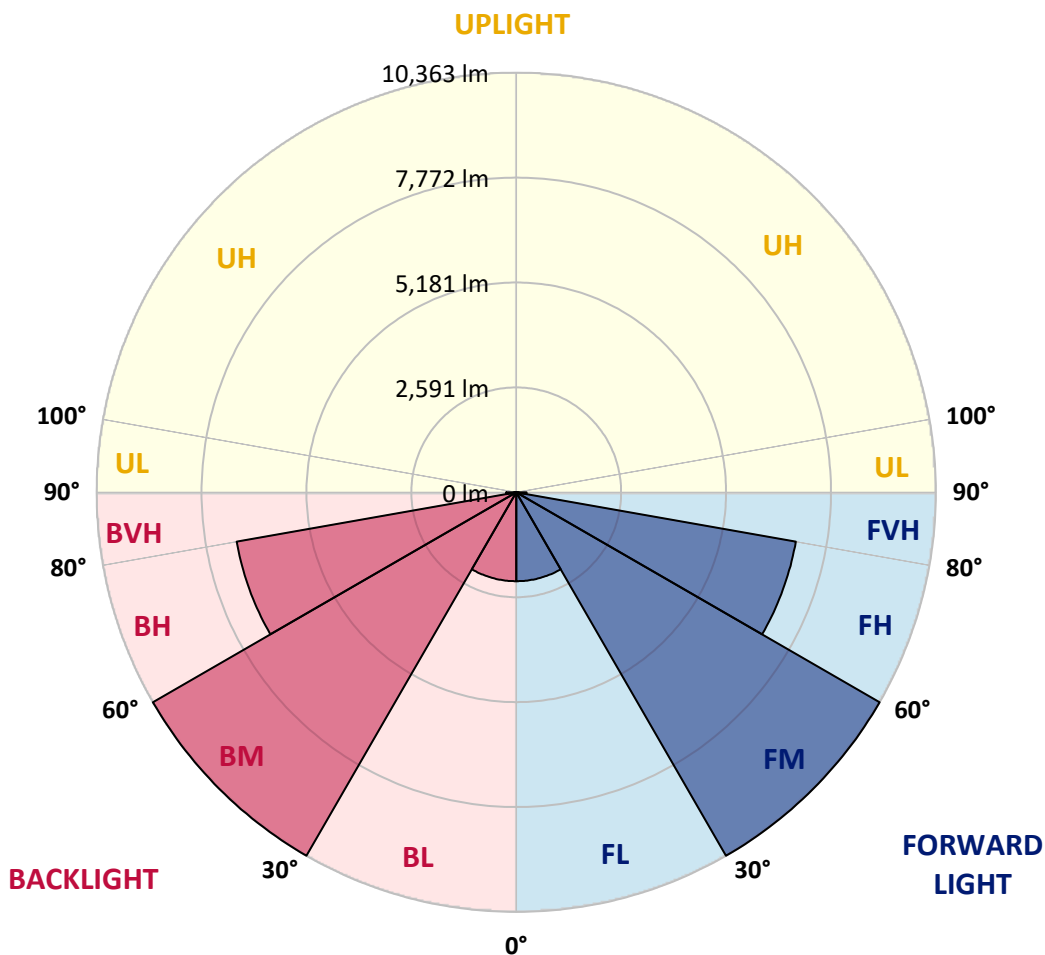


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2194.7	5.5			
FM (30°-60°)	10362.8	26.1			
FH (60°-80°)	7011.0	17.7			G3/7500
FVH (80°-90°)	252.0	0.6			G3/500
BL (0°-30°)	2194.7	5.5	B3/2500		
BM (30°-60°)	10362.8	26.1	B5		
BH (60°-80°)	7011.0	17.7	B5		G5
BVH (80°-90°)	252.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7
2.5°	4092.5	4093.8	4100.5	4108.4	4115.1	4132.4	4136.4	4143.0	4145.7	4152.3	4152.3
5°	4056.6	4059.3	4075.2	4096.5	4120.4	4162.9	4193.5	4228.1	4245.3	4264.0	4262.6
7.5°	4052.6	4059.3	4081.9	4116.4	4156.3	4226.7	4290.5	4359.7	4406.2	4448.7	4446.0
10°	4093.8	4104.5	4136.4	4188.2	4248.0	4335.7	4430.1	4523.1	4604.2	4669.3	4672.0
12.5°	4156.3	4169.6	4220.1	4298.5	4388.9	4501.9	4613.5	4718.5	4830.2	4927.2	4935.2
15°	4238.7	4256.0	4331.7	4448.7	4586.9	4721.2	4840.8	4948.5	5077.4	5211.6	5224.9
17.5°	4361.0	4384.9	4484.6	4642.8	4824.9	4972.4	5097.3	5178.4	5286.1	5424.3	5449.6
20°	4547.1	4577.6	4703.9	4892.6	5114.6	5268.8	5364.5	5381.8	5434.9	5558.6	5587.8
22.5°	4789.0	4815.6	4956.4	5181.1	5429.6	5597.1	5647.6	5578.5	5573.2	5672.9	5700.8
25°	5058.8	5082.7	5246.2	5498.7	5765.9	5950.7	5949.3	5815.1	5722.0	5799.1	5828.4
27.5°	5361.8	5399.1	5555.9	5821.7	6107.5	6289.6	6279.0	6071.6	5894.8	5914.8	5940.0
30°	5710.1	5751.3	5904.1	6174.0	6459.7	6637.8	6624.5	6350.7	6084.9	6031.7	6050.3
32.5°	6142.1	6191.2	6336.1	6601.9	6854.5	7015.3	6976.8	6653.8	6313.5	6197.9	6215.2
35°	6661.8	6691.0	6843.9	7105.7	7310.4	7420.7	7339.6	7004.7	6603.3	6463.7	6463.7
37.5°	7188.1	7210.7	7382.2	7636.0	7834.1	7892.6	7734.4	7388.8	6982.1	6784.0	6788.0
40°	7693.2	7754.3	7947.1	8207.6	8403.0	8418.9	8208.9	7827.4	7403.4	7198.7	7222.7
42.5°	8220.9	8280.7	8510.6	8805.7	8978.5	9005.1	8759.2	8319.2	7879.3	7713.1	7739.7
45°	8691.4	8739.2	9005.1	9348.0	9563.3	9632.4	9341.4	8882.8	8393.7	8231.5	8238.1
47.5°	9019.7	9082.2	9374.6	9778.6	10092.3	10198.7	9912.9	9431.7	8900.1	8703.4	8720.6
50°	9317.4	9350.7	9647.1	10088.3	10487.1	10706.4	10461.8	9974.0	9411.8	9203.1	9221.7
52.5°	9483.6	9526.1	9813.2	10273.1	10744.9	11098.5	10949.6	10461.8	9906.2	9702.9	9725.5
55°	9367.9	9399.8	9744.1	10314.3	10904.4	11340.4	11363.0	10939.0	10391.4	10213.3	10277.1
57.5°	8841.6	8881.5	9301.5	10048.5	10924.4	11503.9	11674.0	11381.6	10844.6	10699.8	10737.0
60°	8018.8	8044.1	8492.0	9332.0	10536.3	11571.7	11872.1	11743.1	11288.6	11143.7	11194.2
62.5°	6552.8	6590.0	7125.6	8251.4	9716.2	11371.0	12063.5	12042.2	11701.9	11569.0	11614.2
65°	4479.3	4544.4	5137.2	6560.7	8452.1	10756.9	12237.6	12390.4	12067.5	11900.0	11959.8
67.5°	2704.8	2752.7	3182.0	4331.7	6467.7	9518.1	12058.2	12786.5	12325.3	12055.5	12104.7
68°	2417.7	2461.6	2820.5	3909.1	5982.6	9168.6	11894.7	12831.7	12353.2	12052.8	12096.7
70°	1460.7	1490.0	1730.6	2416.4	3988.8	7273.2	10779.5	12794.5	12531.3	12090.1	12115.3
72.5°	951.7	961.0	1000.9	1240.1	2037.6	4067.2	8090.6	11922.6	12798.5	12306.7	12302.7
75°	790.9	785.5	789.5	817.4	1004.8	1783.7	4727.8	9418.4	12200.4	11965.1	11881.4
77.5°	668.6	664.6	663.3	664.6	672.6	861.3	2052.2	5866.9	9336.0	10584.1	10658.5
80°	541.0	535.7	552.9	545.0	521.0	535.7	860.0	2440.3	4400.9	4734.5	4436.7
82.5°	393.4	373.5	447.9	426.7	406.7	377.5	474.5	788.2	1050.0	720.4	506.4
85°	303.0	281.8	340.3	327.0	279.1	192.7	281.8	385.5	425.3	243.2	191.4
87.5°	123.6	130.3	245.9	194.1	163.5	93.0	115.6	154.2	207.3	103.7	79.7
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)