

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: P317179

Luminaire Tested: **GAN-SA5D-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317179
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39640 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

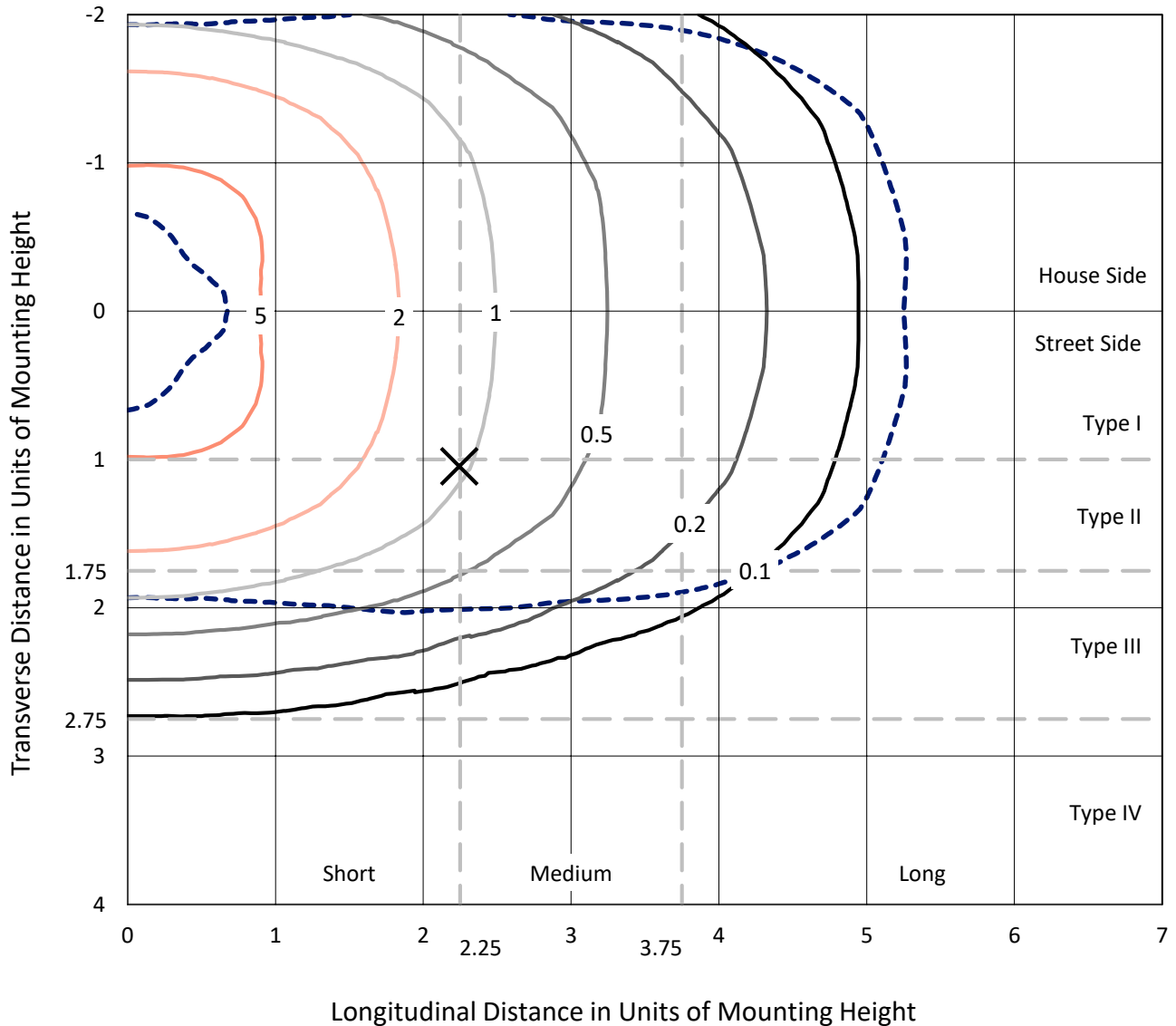




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Iso-Footcandle Lines of Horizontal Illumination

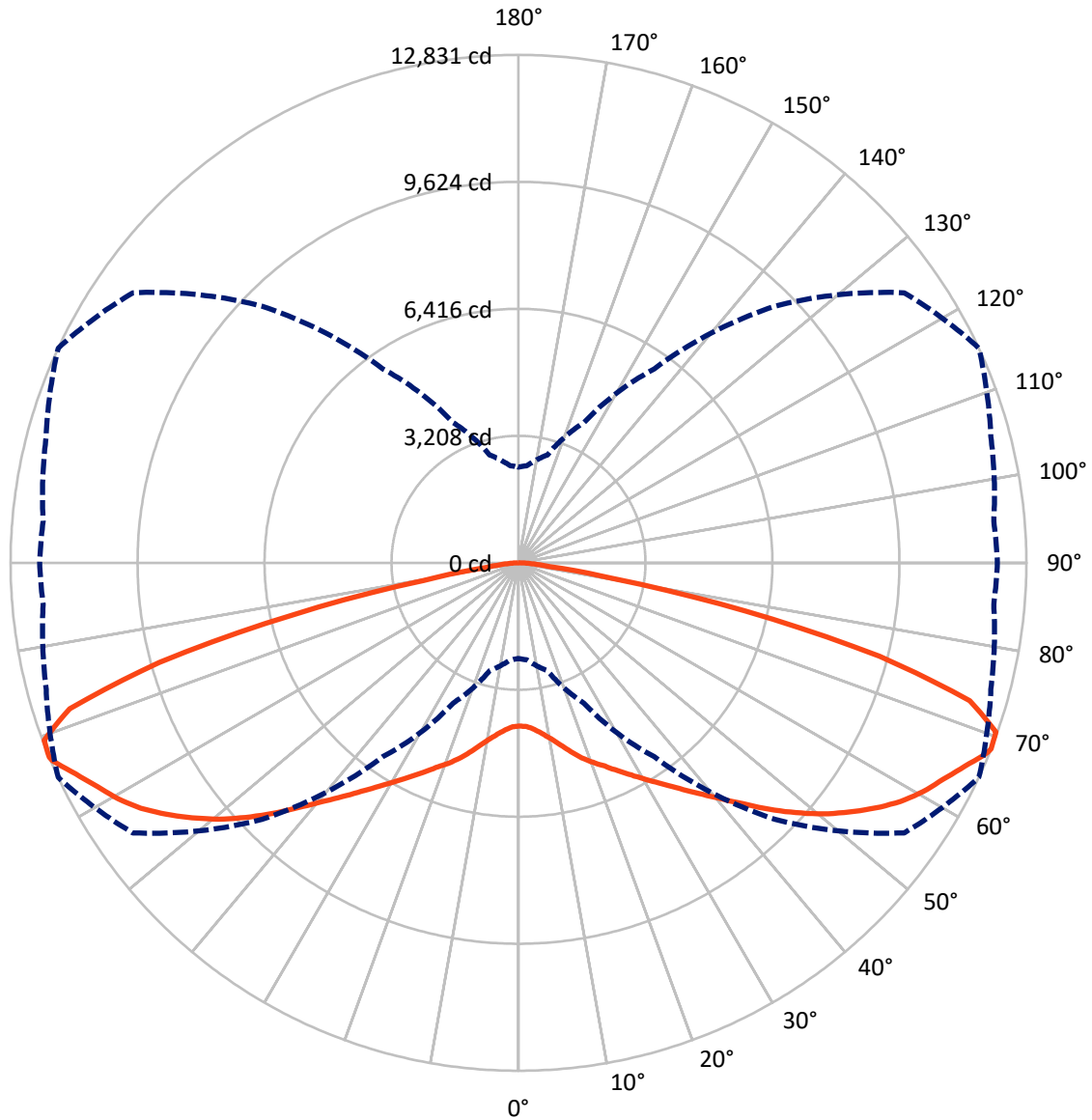
× Max cd
 - - - 1/2 Max cd



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	19820.0	0.0	19820.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19820.0	0.0	19820.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39640.0	0.0	39640.0
	% 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°	2634.5	6.6
30°-40°	4425.8	11.2
40°-50°	6973.4	17.6
50°-60°	9325.8	23.5
60°-70°	9065.9	22.9
70°-80°	4955.8	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°	39640.0	100.0
0°-180°	39640.0	100.0

Coefficient of Utilization



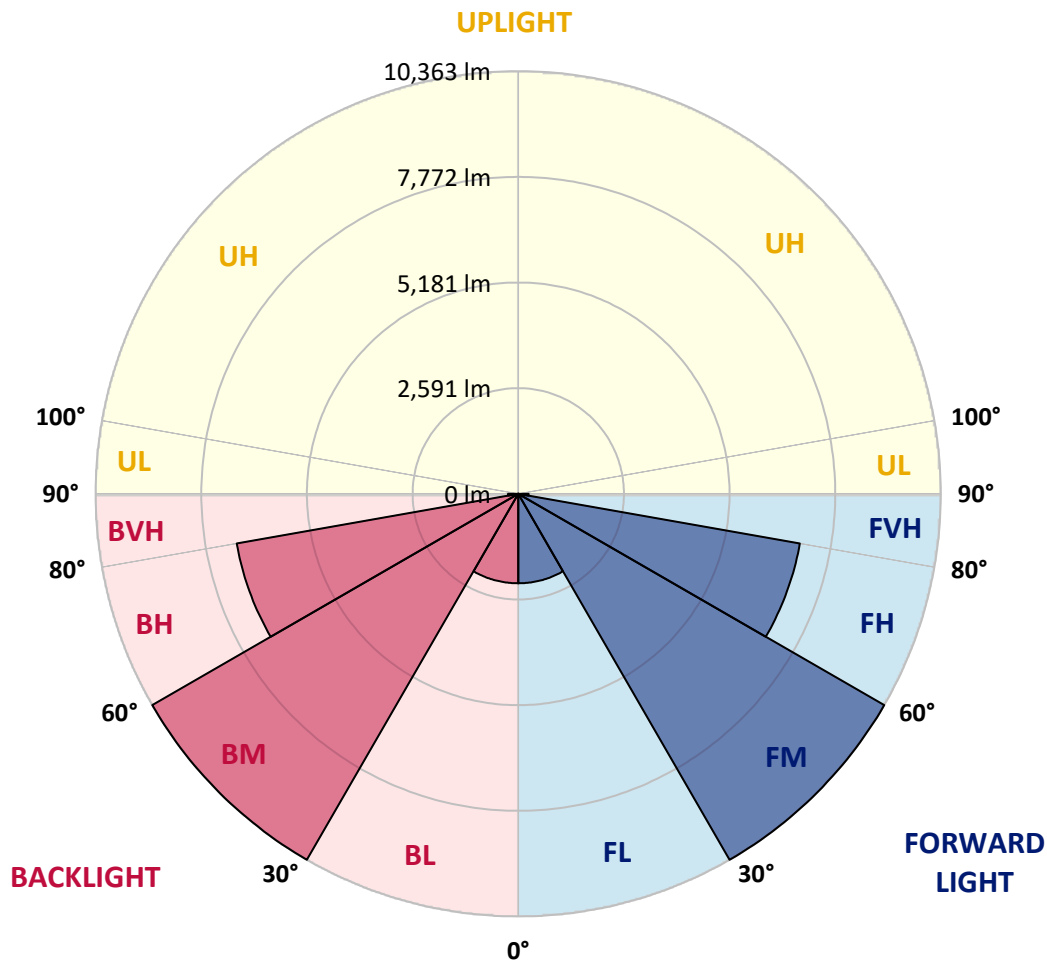
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2194.6	5.5			
FM (30°-60°)	10362.5	26.1			
FH (60°-80°)	7010.8	17.7			G3/7500
FVH (80°-90°)	252.0	0.6			G3/500
BL (0°-30°)	2194.6	5.5	B3/2500		
BM (30°-60°)	10362.5	26.1	B5		
BH (60°-80°)	7010.8	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°	4121.6	4121.6	4121.6	4121.6	4121.6	4121.6	4121.6	4121.6	4121.6	4121.6	4121.6
2.5°	4092.4	4093.7	4100.4	4108.3	4115.0	4132.3	4136.2	4142.9	4145.6	4152.2	4152.2
5°	4056.5	4059.2	4075.1	4096.4	4120.3	4162.8	4193.4	4228.0	4245.2	4263.8	4262.5
7.5°	4052.5	4059.2	4081.8	4116.3	4156.2	4226.6	4290.4	4359.5	4406.1	4448.6	4445.9
10°	4093.7	4104.3	4136.2	4188.1	4247.9	4335.6	4430.0	4523.0	4604.1	4669.2	4671.9
12.5°	4156.2	4169.5	4220.0	4298.4	4388.8	4501.8	4613.4	4718.4	4830.1	4927.1	4935.1
15°	4238.6	4255.9	4331.6	4448.6	4586.8	4721.1	4840.7	4948.3	5077.3	5211.5	5224.8
17.5°	4360.9	4384.8	4484.5	4642.6	4824.7	4972.3	5097.2	5178.3	5285.9	5424.2	5449.4
20°	4546.9	4577.5	4703.8	4892.5	5114.5	5268.7	5364.4	5381.6	5434.8	5558.4	5587.7
22.5°	4788.8	4815.4	4956.3	5180.9	5429.5	5597.0	5647.5	5578.4	5573.0	5672.7	5700.6
25°	5058.7	5082.6	5246.1	5498.6	5765.8	5950.5	5949.2	5814.9	5721.9	5799.0	5828.2
27.5°	5361.7	5398.9	5555.8	5821.6	6107.3	6289.4	6278.8	6071.5	5894.7	5914.6	5939.9
30°	5709.9	5751.1	5904.0	6173.8	6459.6	6637.7	6624.4	6350.6	6084.7	6031.6	6050.2
32.5°	6141.9	6191.1	6336.0	6601.8	6854.3	7015.1	6976.6	6653.6	6313.4	6197.7	6215.0
35°	6661.6	6690.8	6843.7	7105.5	7310.2	7420.5	7339.4	7004.5	6603.1	6463.6	6463.6
37.5°	7187.9	7210.5	7382.0	7635.8	7833.9	7892.4	7734.2	7388.6	6981.9	6783.9	6787.9
40°	7693.0	7754.1	7946.9	8207.4	8402.7	8418.7	8208.7	7827.2	7403.2	7198.6	7222.5
42.5°	8220.7	8280.5	8510.4	8805.5	8978.3	9004.8	8759.0	8319.0	7879.1	7712.9	7739.5
45°	8691.2	8739.0	9004.8	9347.8	9563.1	9632.2	9341.1	8882.6	8393.4	8231.3	8237.9
47.5°	9019.5	9081.9	9374.3	9778.4	10092.1	10198.4	9912.6	9431.5	8899.8	8703.1	8720.4
50°	9317.2	9350.4	9646.8	10088.1	10486.8	10706.1	10461.6	9973.8	9411.6	9202.9	9221.5
52.5°	9483.3	9525.9	9813.0	10272.8	10744.7	11098.2	10949.4	10461.6	9906.0	9702.6	9725.2
55°	9367.7	9399.6	9743.8	10314.0	10904.2	11340.1	11362.7	10938.7	10391.1	10213.0	10276.8
57.5°	8841.4	8881.2	9301.2	10048.2	10924.1	11503.6	11673.7	11381.3	10844.4	10699.5	10736.7
60°	8018.6	8043.9	8491.8	9331.8	10536.0	11571.4	11871.8	11742.8	11288.3	11143.4	11193.9
62.5°	6552.6	6589.8	7125.5	8251.2	9715.9	11370.7	12063.2	12041.9	11701.6	11568.7	11613.9
65°	4479.2	4544.3	5137.1	6560.6	8451.9	10756.6	12237.3	12390.1	12067.2	11899.7	11959.5
67.5°	2704.8	2752.6	3181.9	4331.6	6467.5	9517.9	12057.9	12786.2	12325.0	12055.2	12104.4
68°	2417.7	2461.5	2820.4	3909.0	5982.4	9168.3	11894.4	12831.4	12352.9	12052.5	12096.4
70°	1460.7	1490.0	1730.5	2416.4	3988.7	7273.0	10779.2	12794.2	12531.0	12089.8	12115.0
72.5°	951.7	961.0	1000.8	1240.1	2037.6	4067.1	8090.4	11922.3	12798.2	12306.4	12302.4
75°	790.8	785.5	789.5	817.4	1004.8	1783.7	4727.7	9418.2	12200.1	11964.8	11881.1
77.5°	668.6	664.6	663.2	664.6	672.5	861.3	2052.2	5866.8	9335.8	10583.8	10658.3
80°	541.0	535.6	552.9	544.9	521.0	535.6	859.9	2440.3	4400.7	4734.4	4436.6
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	385.4	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)