

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: P316203

Luminaire Tested: **GAN-SA9B-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53811 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

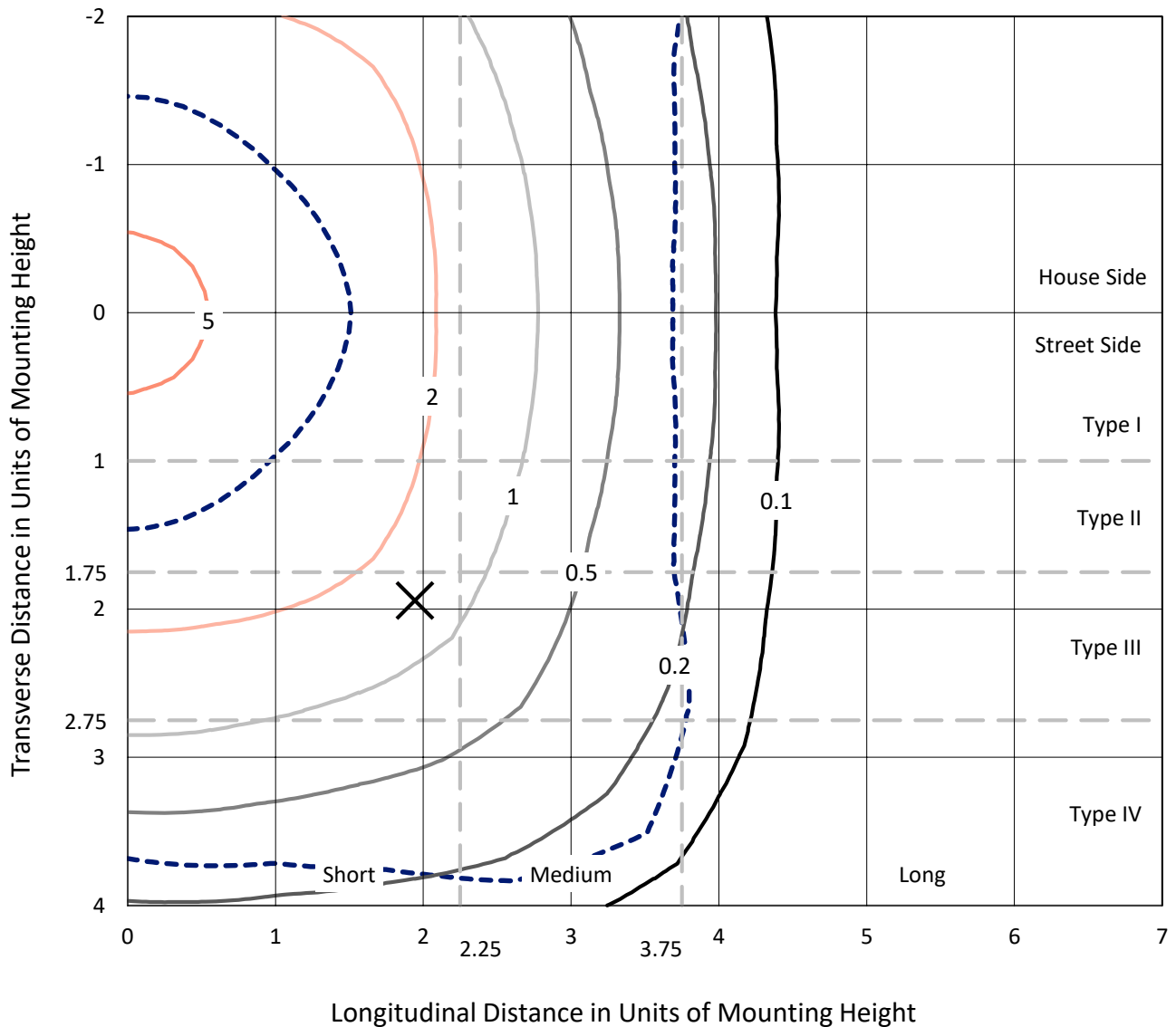
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

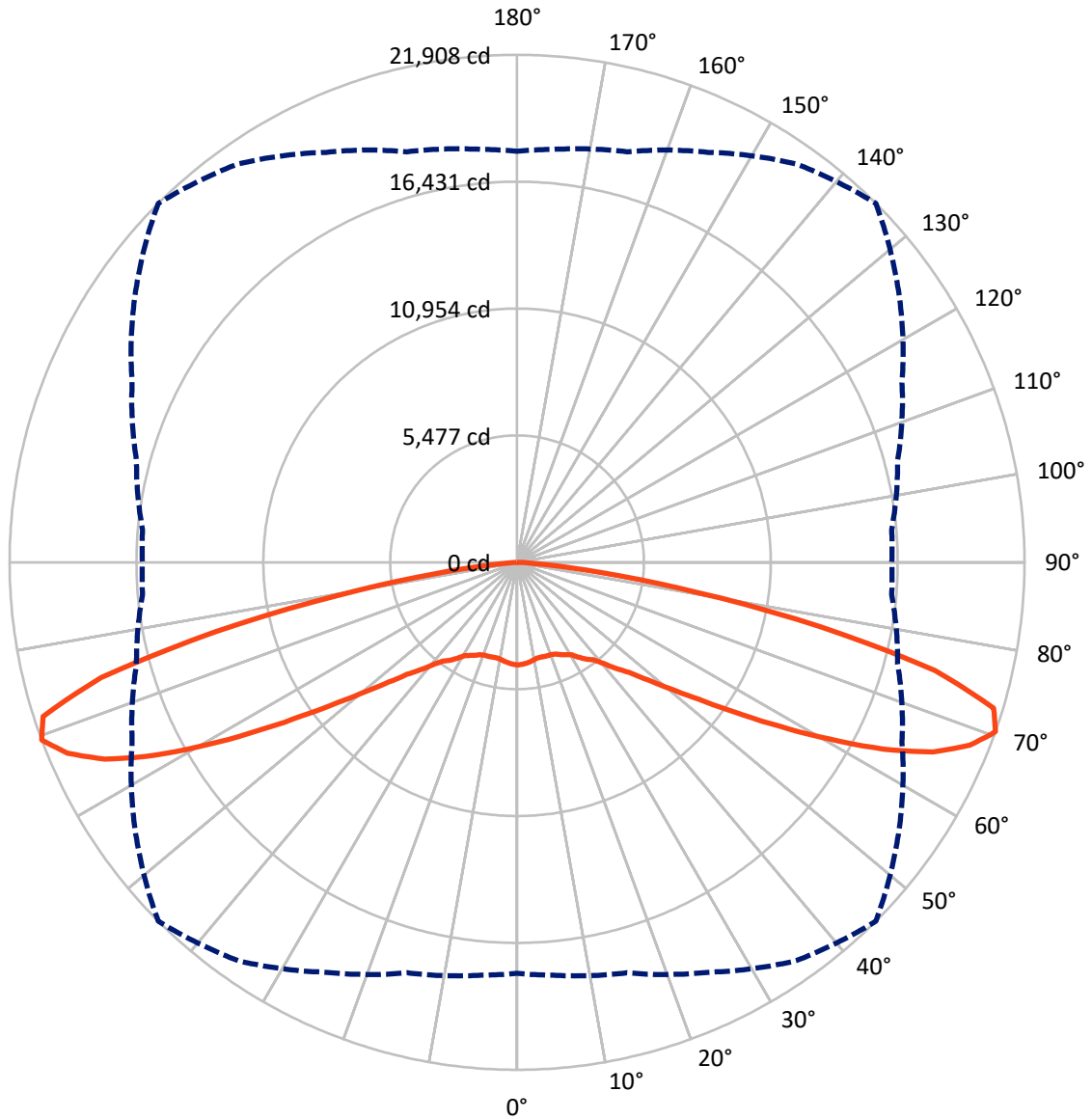
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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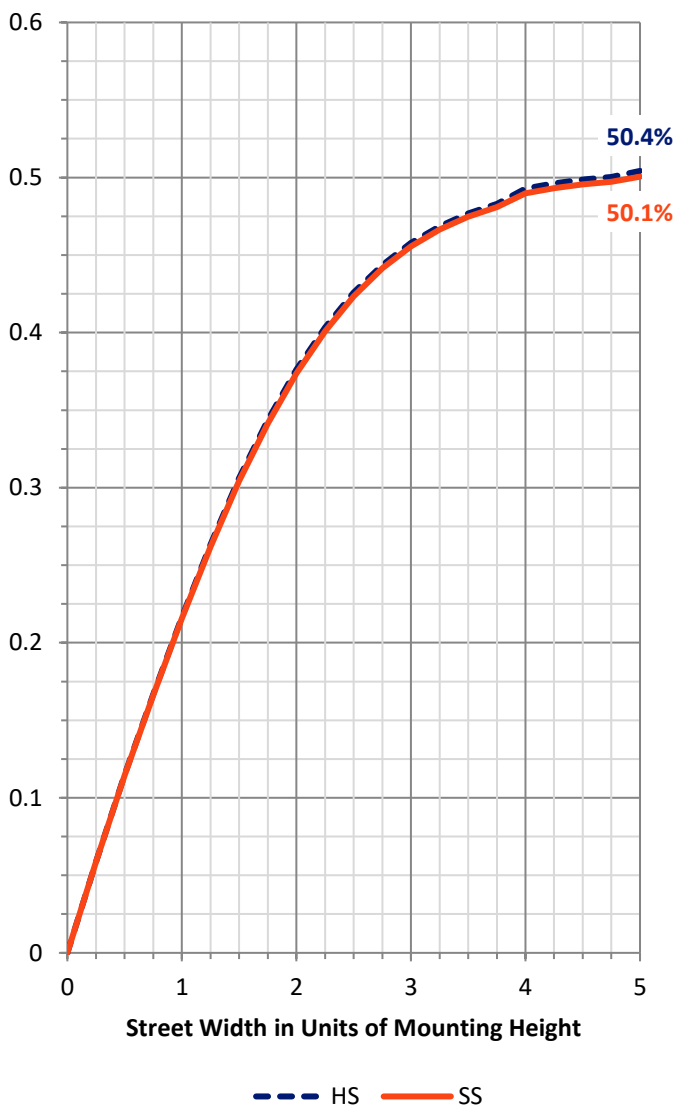
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26905.5	0.0	26905.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26905.5	0.0	26905.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53811.0	0.0	53811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.3	0.8
10°-20°	1207.4	2.2
20°-30°	2058.6	3.8
30°-40°	3216.5	6.0
40°-50°	5451.3	10.1
50°-60°	9940.9	18.5
60°-70°	17113.9	31.8
70°-80°	13414.5	24.9
80°-90°	994.7	1.8
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°	53811.0	100.0
0°-180°	53811.0	100.0

Coefficient of Utilization



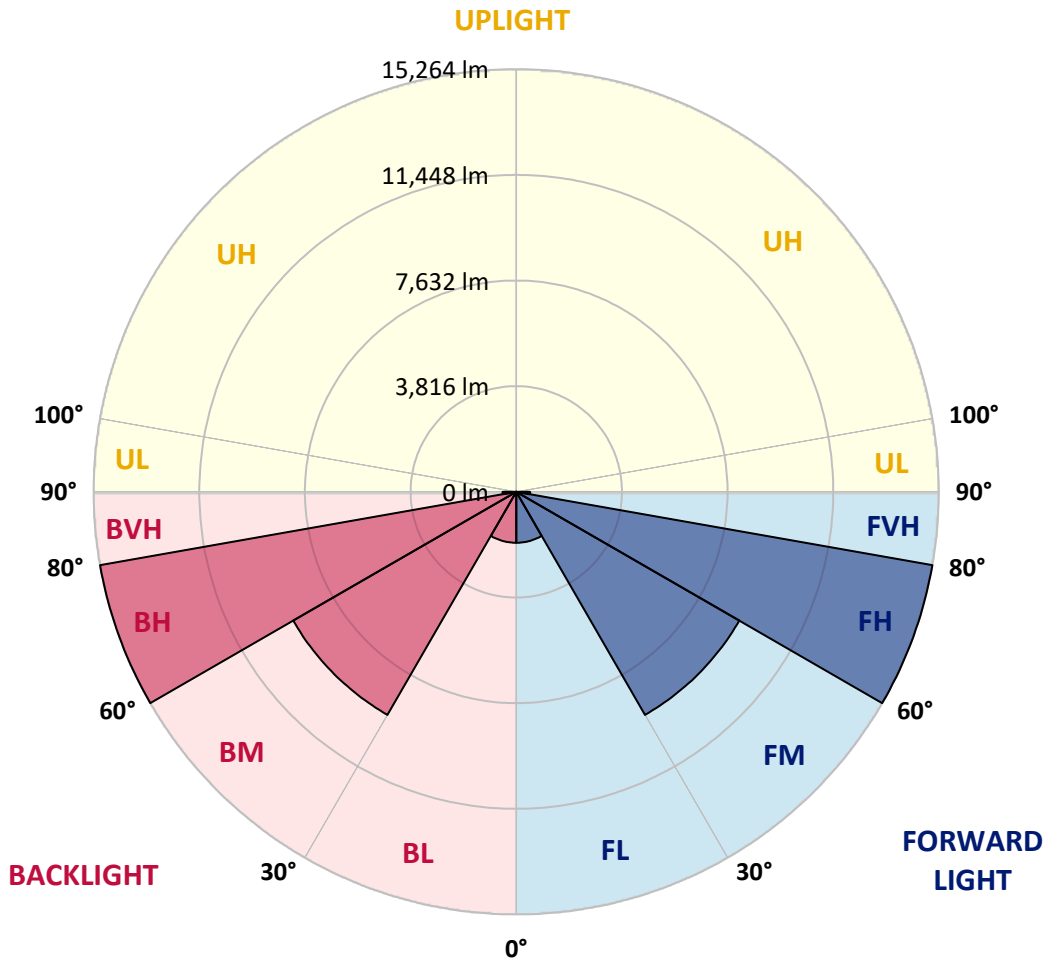
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1839.6	3.4			
FM (30°-60°)	9304.4	17.3			
FH (60°-80°)	15264.2	28.4			G5
FVH (80°-90°)	497.3	0.9			G3/500
BL (0°-30°)	1839.6	3.4	B3/2500		
BM (30°-60°)	9304.4	17.3	B5		
BH (60°-80°)	15264.2	28.4	B5		G5
BVH (80°-90°)	497.3	0.9			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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4428.7	4428.7	4428.7	4428.7	4428.7	4428.7	4428.7	4428.7	4428.7	4428.7	4428.7
2.5°	4409.1	4414.4	4409.1	4412.6	4403.7	4407.3	4407.3	4407.3	4405.5	4407.3	4403.7
5°	4369.9	4373.5	4366.4	4369.9	4364.6	4369.9	4371.7	4369.9	4366.4	4368.1	4361.0
7.5°	4311.2	4314.7	4309.4	4314.7	4307.6	4316.5	4314.7	4309.4	4304.1	4304.1	4296.9
10°	4279.1	4280.9	4266.7	4261.3	4245.3	4248.9	4254.2	4259.6	4264.9	4275.6	4273.8
12.5°	4280.9	4280.9	4259.6	4236.4	4213.3	4218.6	4227.5	4247.1	4268.5	4288.0	4289.8
15°	4298.7	4296.9	4264.9	4227.5	4211.5	4227.5	4232.9	4245.3	4279.1	4313.0	4314.7
17.5°	4311.2	4311.2	4261.3	4218.6	4216.8	4241.8	4240.0	4245.3	4282.7	4332.5	4334.3
20°	4334.3	4334.3	4270.2	4224.0	4224.0	4250.7	4252.4	4261.3	4298.7	4353.9	4362.8
22.5°	4385.9	4387.7	4320.1	4282.7	4286.3	4302.3	4307.6	4321.9	4355.7	4416.2	4426.9
25°	4458.9	4462.5	4393.1	4371.7	4384.2	4414.4	4410.9	4421.5	4458.9	4517.7	4528.3
27.5°	4560.4	4551.5	4487.4	4478.5	4491.0	4512.3	4510.5	4512.3	4542.6	4596.0	4608.4
30°	4692.1	4688.5	4642.3	4647.6	4642.3	4635.1	4636.9	4651.2	4667.2	4709.9	4722.4
32.5°	4820.3	4823.8	4795.3	4822.0	4861.2	4887.9	4847.0	4807.8	4790.0	4813.1	4823.8
35°	5051.7	5060.6	5016.1	4998.3	5051.7	5130.0	5014.3	4950.2	4985.8	5016.1	5025.0
37.5°	5445.0	5450.4	5375.6	5304.4	5265.3	5340.0	5224.3	5229.7	5354.3	5411.2	5409.4
40°	5893.6	5895.4	5845.5	5783.2	5715.6	5733.4	5687.1	5701.4	5783.2	5834.9	5849.1
42.5°	6427.6	6422.3	6343.9	6254.9	6235.4	6253.2	6174.8	6164.2	6258.5	6351.1	6352.8
45°	7120.0	7107.6	7006.1	6908.2	6813.9	6774.7	6755.1	6806.7	6936.7	7022.1	7023.9
47.5°	7865.8	7832.0	7778.6	7700.3	7618.4	7579.3	7547.2	7572.1	7666.5	7700.3	7703.9
50°	8633.0	8640.1	8650.8	8620.6	8590.3	8577.8	8494.2	8446.1	8474.6	8412.3	8403.4
52.5°	9542.6	9556.8	9660.1	9747.3	9798.9	9825.6	9667.2	9501.7	9409.1	9288.1	9252.5
55°	10616.0	10639.1	10790.4	11032.5	11281.7	11413.4	11126.8	10817.1	10530.5	10304.4	10231.5
57.5°	11812.1	11853.1	12061.3	12525.9	13036.8	13348.3	12864.1	12301.6	11748.0	11422.3	11365.3
60°	13214.8	13253.9	13542.3	14208.0	15035.7	15503.8	14770.5	13850.2	13161.4	12849.9	12744.8
62.5°	14884.4	14888.0	15242.2	16020.0	17113.0	17764.5	16771.2	15541.2	14831.0	14455.4	14354.0
65°	16680.4	16689.3	17056.0	17896.2	19026.5	19734.9	18613.5	17331.9	16463.3	15909.7	15831.4
67.5°	17949.6	17987.0	18373.2	19384.3	20441.6	21080.6	19920.0	18471.1	17467.2	16806.8	16740.9
70°	17746.7	17892.6	18346.5	19526.7	20996.9	21908.3	20131.9	18335.8	17011.5	16231.9	16176.7
72.5°	15477.1	15756.6	16361.8	17910.4	20261.8	21516.7	18976.6	16422.3	14923.6	14259.6	14159.9
75°	10539.4	10993.3	11906.5	14140.4	17310.5	18629.5	15975.5	13093.7	11684.0	10765.5	10697.8
77.5°	4699.2	4802.5	5959.5	8531.6	11945.6	13378.5	11607.4	8565.4	6429.4	5128.2	4854.1
80°	1310.1	1326.1	1769.3	3177.3	5979.0	7860.5	6418.7	3337.5	1876.1	1322.5	1246.0
82.5°	416.5	452.1	551.8	824.1	2009.6	3586.7	2063.0	890.0	633.7	505.5	455.7
85°	202.9	201.1	279.5	334.6	512.6	793.9	546.5	413.0	361.3	240.3	217.2
87.5°	85.4	87.2	129.9	117.5	149.5	128.2	176.2	185.1	194.0	106.8	92.6
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)