

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: P316163

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316163
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 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: 53812 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

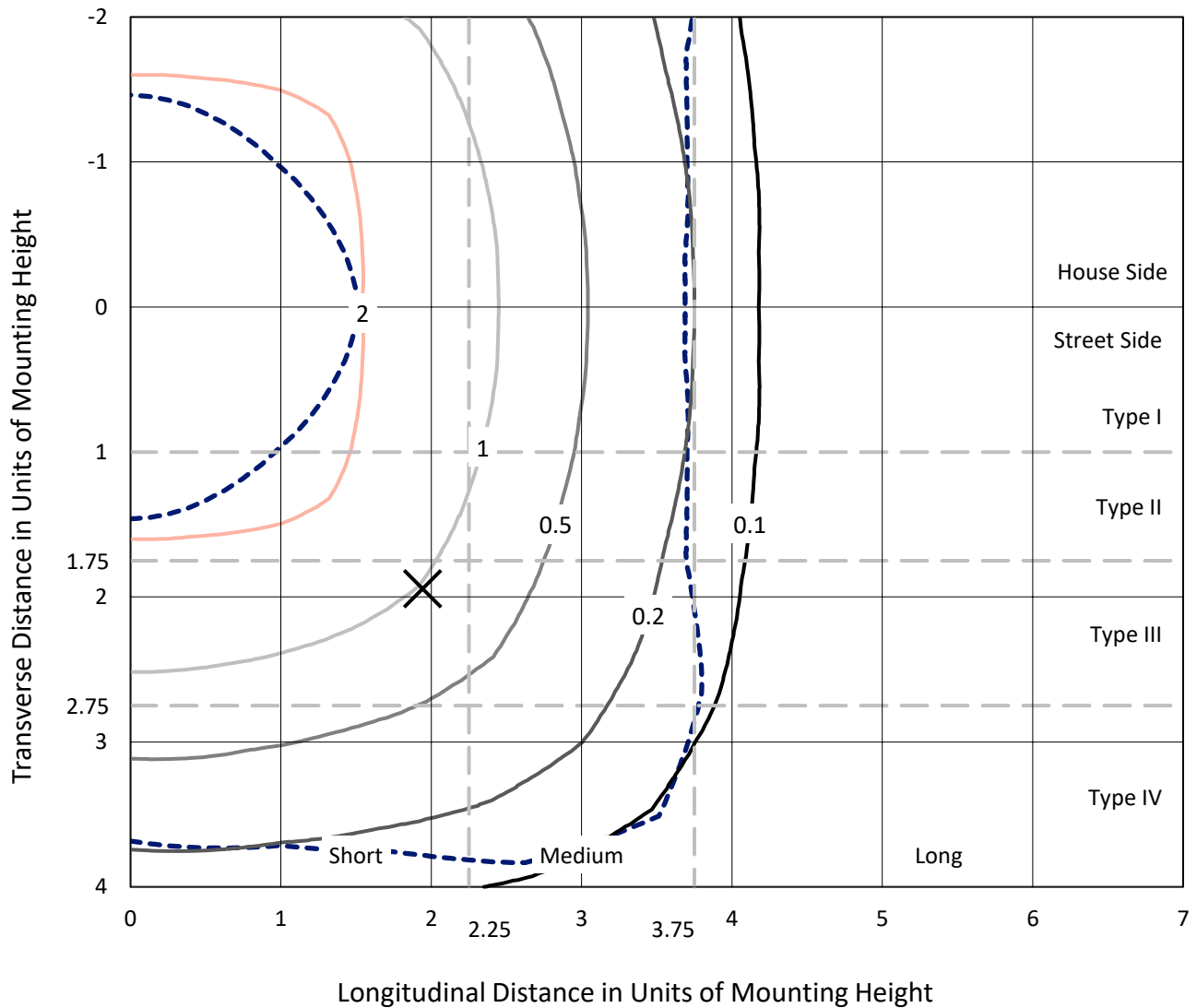
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

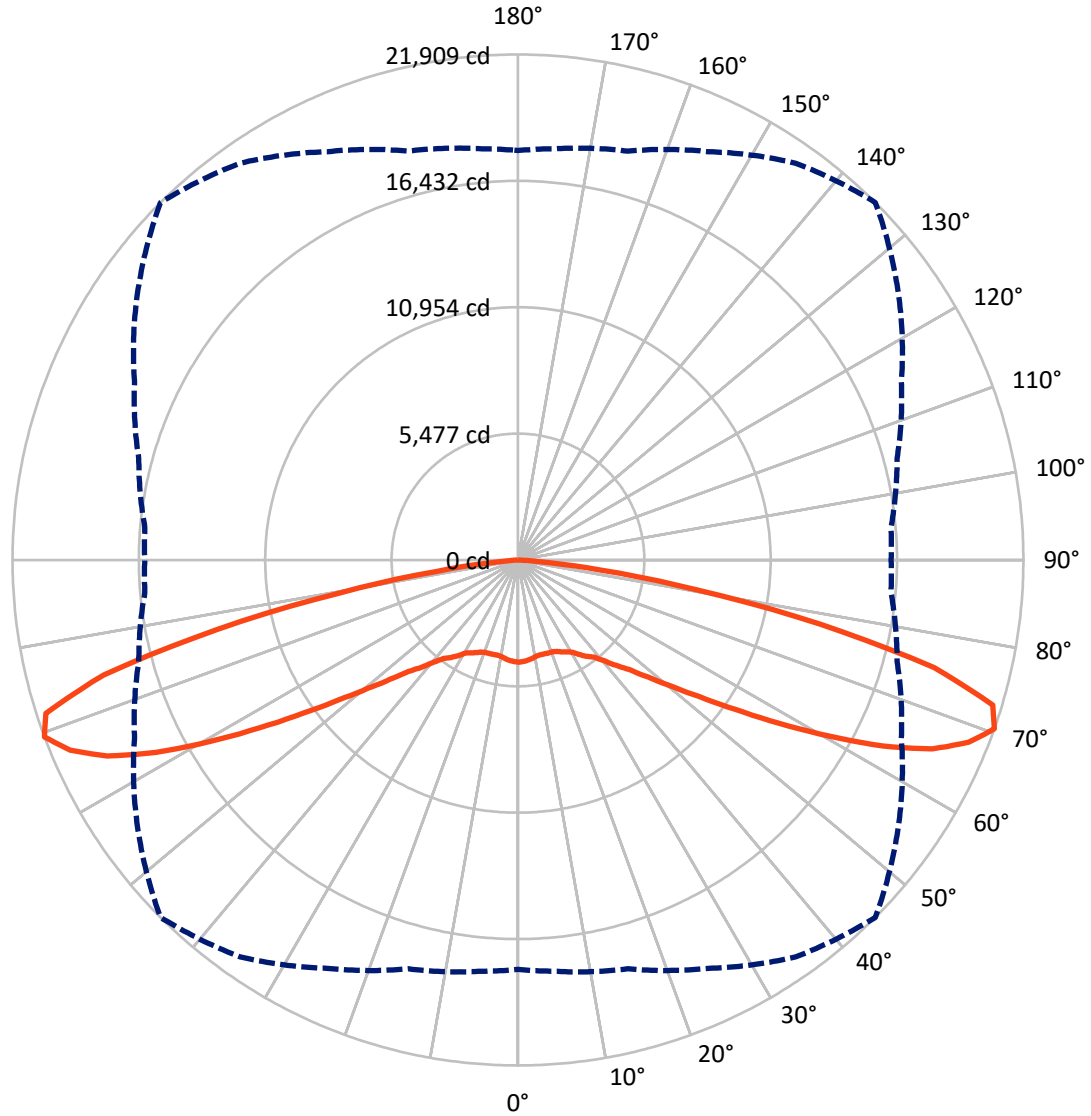
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.9 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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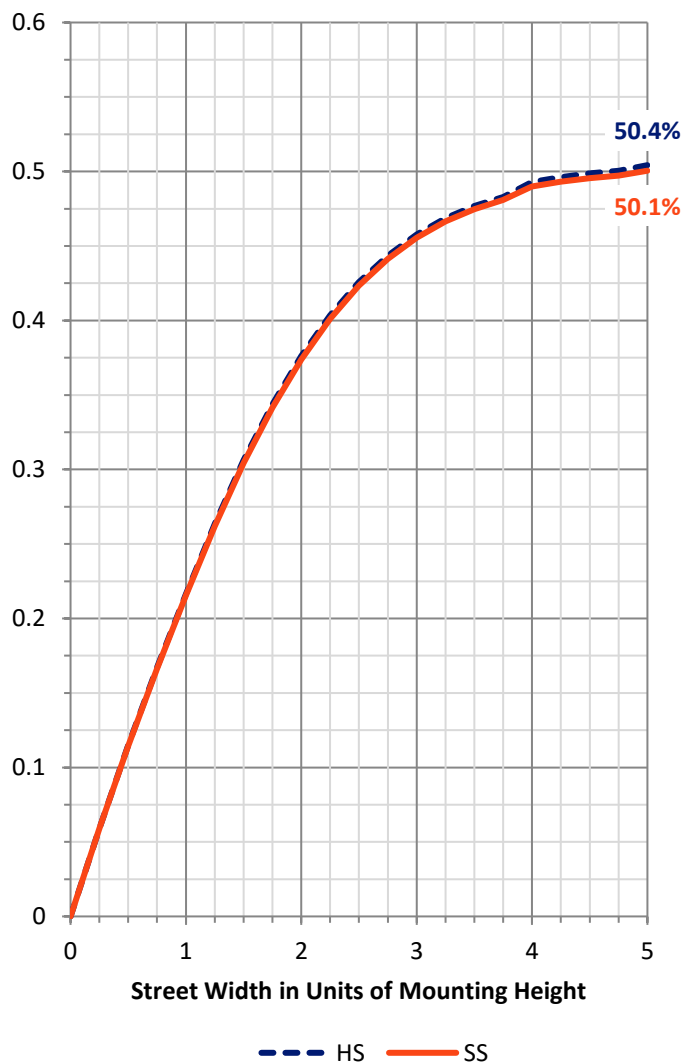
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26906.0	0.0	26906.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26906.0	0.0	26906.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	53812.0	0.0	53812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.4	0.8
10°-20°	1207.4	2.2
20°-30°	2058.6	3.8
30°-40°	3216.6	6.0
40°-50°	5451.4	10.1
50°-60°	9941.0	18.5
60°-70°	17114.2	31.8
70°-80°	13414.7	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°	53812.0	100.0
0°-180°	53812.0	100.0

Coefficient of Utilization

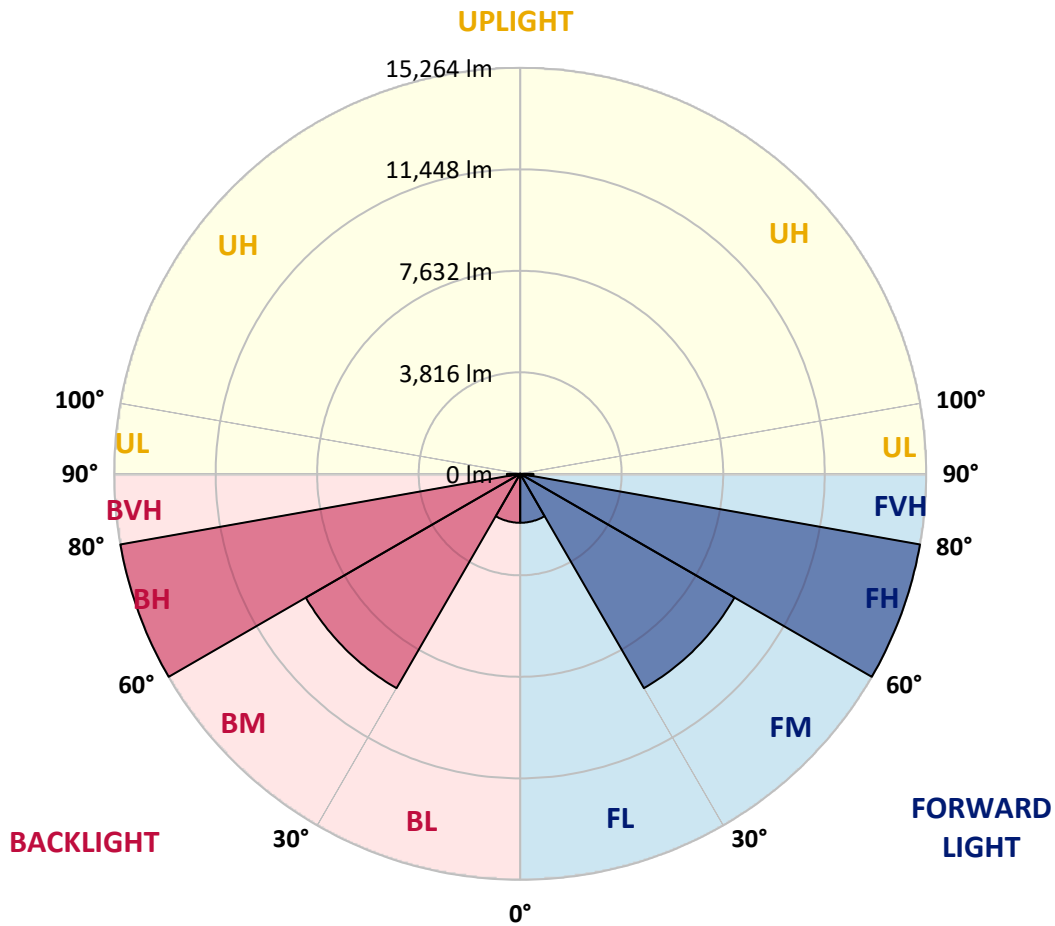


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1839.7	3.4			
FM (30°-60°)	9304.5	17.3			
FH (60°-80°)	15264.5	28.4			G5
FVH (80°-90°)	497.3	0.9			G3/500
BL (0°-30°)	1839.7	3.4	B3/2500		
BM (30°-60°)	9304.5	17.3	B5		
BH (60°-80°)	15264.5	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°	4409.2	4414.5	4409.2	4412.7	4403.8	4407.4	4407.4	4407.4	4405.6	4407.4	4403.8
5°	4370.0	4373.6	4366.4	4370.0	4364.7	4370.0	4371.8	4370.0	4366.4	4368.2	4361.1
7.5°	4311.3	4314.8	4309.5	4314.8	4307.7	4316.6	4314.8	4309.5	4304.1	4304.1	4297.0
10°	4279.2	4281.0	4266.8	4261.4	4245.4	4249.0	4254.3	4259.6	4265.0	4275.7	4273.9
12.5°	4281.0	4281.0	4259.6	4236.5	4213.4	4218.7	4227.6	4247.2	4268.5	4288.1	4289.9
15°	4298.8	4297.0	4265.0	4227.6	4211.6	4227.6	4232.9	4245.4	4279.2	4313.0	4314.8
17.5°	4311.3	4311.3	4261.4	4218.7	4216.9	4241.8	4240.1	4245.4	4282.8	4332.6	4334.4
20°	4334.4	4334.4	4270.3	4224.0	4224.0	4250.7	4252.5	4261.4	4298.8	4354.0	4362.9
22.5°	4386.0	4387.8	4320.2	4282.8	4286.3	4302.4	4307.7	4321.9	4355.8	4416.3	4427.0
25°	4459.0	4462.6	4393.1	4371.8	4384.2	4414.5	4410.9	4421.6	4459.0	4517.7	4528.4
27.5°	4560.5	4551.6	4487.5	4478.6	4491.0	4512.4	4510.6	4512.4	4542.7	4596.1	4608.5
30°	4692.2	4688.6	4642.3	4647.7	4642.3	4635.2	4637.0	4651.2	4667.3	4710.0	4722.4
32.5°	4820.3	4823.9	4795.4	4822.1	4861.3	4888.0	4847.0	4807.9	4790.1	4813.2	4823.9
35°	5051.7	5060.6	5016.1	4998.3	5051.7	5130.1	5014.4	4950.3	4985.9	5016.1	5025.0
37.5°	5445.1	5450.5	5375.7	5304.5	5265.4	5340.1	5224.4	5229.8	5354.4	5411.3	5409.5
40°	5893.7	5895.5	5845.6	5783.3	5715.7	5733.5	5687.2	5701.5	5783.3	5835.0	5849.2
42.5°	6427.7	6422.4	6344.1	6255.1	6235.5	6253.3	6175.0	6164.3	6258.6	6351.2	6353.0
45°	7120.2	7107.7	7006.2	6908.3	6814.0	6774.8	6755.2	6806.9	6936.8	7022.3	7024.0
47.5°	7866.0	7832.2	7778.8	7700.4	7618.6	7579.4	7547.4	7572.3	7666.6	7700.4	7704.0
50°	8633.2	8640.3	8651.0	8620.7	8590.5	8578.0	8494.3	8446.3	8474.8	8412.5	8403.6
52.5°	9542.8	9557.0	9660.3	9747.5	9799.1	9825.8	9667.4	9501.8	9409.3	9288.2	9252.6
55°	10616.1	10639.3	10790.6	11032.7	11281.9	11413.6	11127.0	10817.3	10530.7	10304.6	10231.7
57.5°	11812.3	11853.3	12061.5	12526.1	13037.0	13348.5	12864.3	12301.8	11748.3	11422.5	11365.5
60°	13215.0	13254.2	13542.5	14208.3	15036.0	15504.1	14770.8	13850.5	13161.6	12850.1	12745.1
62.5°	14884.7	14888.2	15242.5	16020.3	17113.3	17764.8	16771.5	15541.5	14831.3	14455.7	14354.2
65°	16680.7	16689.6	17056.3	17896.5	19026.8	19735.3	18613.9	17332.2	16463.6	15910.0	15831.7
67.5°	17949.9	17987.3	18373.6	19384.6	20442.0	21081.0	19920.4	18471.5	17467.5	16807.1	16741.3
70°	17747.0	17892.9	18346.9	19527.0	20997.3	21908.7	20132.2	18336.2	17011.8	16232.2	16177.0
72.5°	15477.4	15756.9	16362.1	17910.7	20262.2	21517.1	18977.0	16422.6	14923.8	14259.9	14160.2
75°	10539.6	10993.5	11906.7	14140.6	17310.9	18629.9	15975.8	13094.0	11684.2	10765.7	10698.0
77.5°	4699.3	4802.5	5959.6	8531.7	11945.8	13378.8	11607.6	8565.5	6429.5	5128.3	4854.2
80°	1310.1	1326.1	1769.4	3177.4	5979.1	7860.6	6418.8	3337.6	1876.2	1322.6	1246.0
82.5°	416.5	452.1	551.8	824.2	2009.7	3586.8	2063.1	890.0	633.7	505.5	455.7
85°	202.9	201.1	279.5	334.6	512.7	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)