

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: P316186

Luminaire Tested: **GAN-SA2A-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316186
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-SA2A-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10043 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

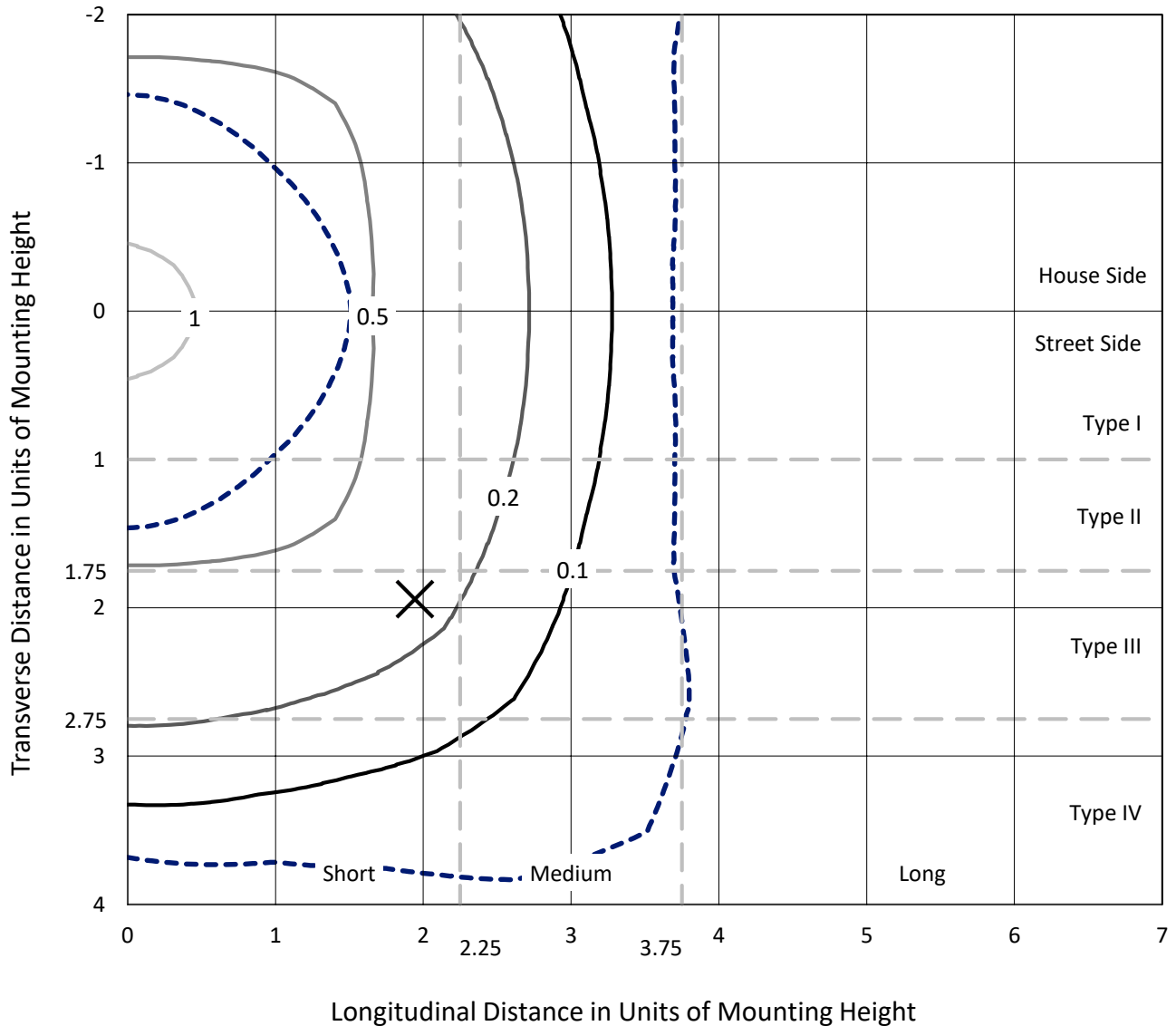
Input Watts (W): 66
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

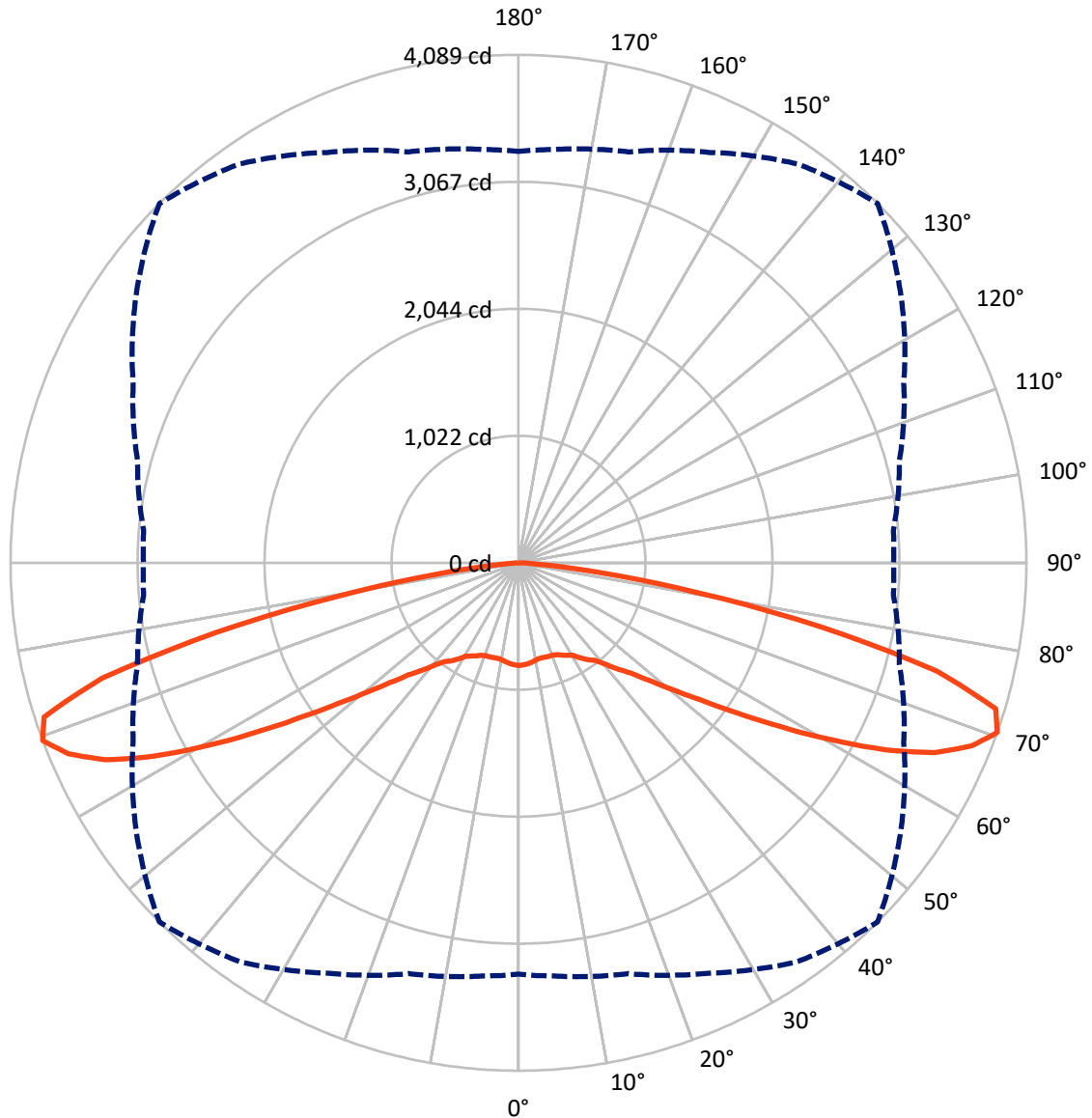
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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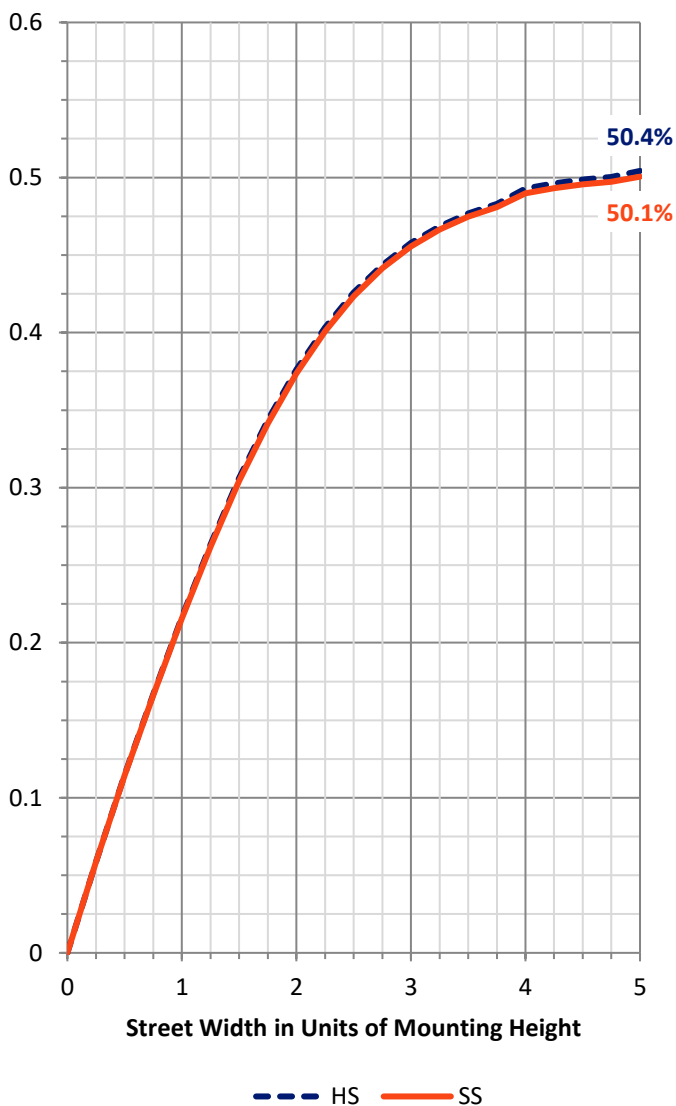
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5021.5	0.0	5021.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5021.5	0.0	5021.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10043.0	0.0	10043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	0.8
10°-20°	225.3	2.2
20°-30°	384.2	3.8
30°-40°	600.3	6.0
40°-50°	1017.4	10.1
50°-60°	1855.3	18.5
60°-70°	3194.0	31.8
70°-80°	2503.6	24.9
80°-90°	185.6	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°	10043.0	100.0
0°-180°	10043.0	100.0

Coefficient of Utilization



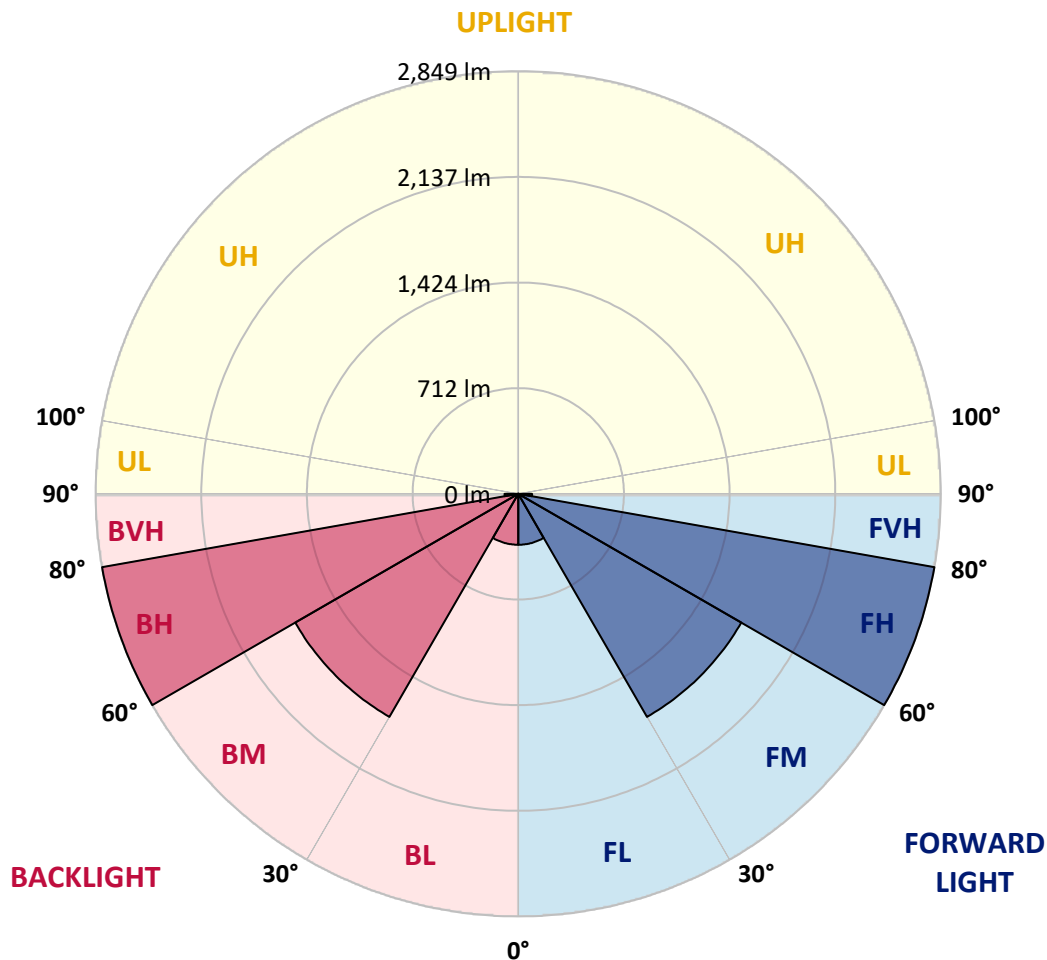
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.3	3.4			
FM (30°-60°)	1736.5	17.3			
FH (60°-80°)	2848.8	28.4			G2/5000
FVH (80°-90°)	92.8	0.9			G1/100
BL (0°-30°)	343.3	3.4	B1/500		
BM (30°-60°)	1736.5	17.3	B2/2500		
BH (60°-80°)	2848.8	28.4	B4/5000		G2/5000
BVH (80°-90°)	92.8	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5
2.5°	822.9	823.9	822.9	823.6	821.9	822.6	822.6	822.6	822.2	822.6	821.9
5°	815.6	816.2	814.9	815.6	814.6	815.6	815.9	815.6	814.9	815.2	813.9
7.5°	804.6	805.3	804.3	805.3	803.9	805.6	805.3	804.3	803.3	803.3	802.0
10°	798.6	799.0	796.3	795.3	792.3	793.0	794.0	795.0	796.0	798.0	797.6
12.5°	799.0	799.0	795.0	790.7	786.3	787.3	789.0	792.7	796.6	800.3	800.6
15°	802.3	802.0	796.0	789.0	786.0	789.0	790.0	792.3	798.6	804.9	805.3
17.5°	804.6	804.6	795.3	787.3	787.0	791.7	791.3	792.3	799.3	808.6	808.9
20°	808.9	808.9	797.0	788.3	788.3	793.3	793.7	795.3	802.3	812.6	814.2
22.5°	818.6	818.9	806.3	799.3	800.0	803.0	803.9	806.6	812.9	824.2	826.2
25°	832.2	832.9	819.9	815.9	818.2	823.9	823.2	825.2	832.2	843.2	845.1
27.5°	851.1	849.5	837.5	835.8	838.2	842.2	841.8	842.2	847.8	857.8	860.1
30°	875.7	875.0	866.4	867.4	866.4	865.1	865.4	868.1	871.1	879.0	881.4
32.5°	899.6	900.3	895.0	900.0	907.3	912.3	904.6	897.3	894.0	898.3	900.3
35°	942.8	944.5	936.2	932.8	942.8	957.4	935.8	923.9	930.5	936.2	937.8
37.5°	1016.2	1017.2	1003.3	990.0	982.7	996.6	975.0	976.0	999.3	1009.9	1009.6
40°	1099.9	1100.3	1091.0	1079.4	1066.7	1070.1	1061.4	1064.1	1079.4	1089.0	1091.6
42.5°	1199.6	1198.6	1184.0	1167.4	1163.7	1167.1	1152.4	1150.4	1168.1	1185.3	1185.7
45°	1328.8	1326.5	1307.6	1289.3	1271.7	1264.4	1260.7	1270.4	1294.6	1310.6	1310.9
47.5°	1468.0	1461.7	1451.8	1437.1	1421.9	1414.6	1408.6	1413.2	1430.8	1437.1	1437.8
50°	1611.2	1612.6	1614.5	1608.9	1603.2	1600.9	1585.3	1576.3	1581.7	1570.0	1568.4
52.5°	1781.0	1783.6	1802.9	1819.2	1828.8	1833.8	1804.2	1773.3	1756.1	1733.5	1726.8
55°	1981.3	1985.6	2013.9	2059.0	2105.6	2130.1	2076.6	2018.8	1965.4	1923.2	1909.5
57.5°	2204.6	2212.2	2251.1	2337.8	2433.1	2491.2	2400.9	2295.9	2192.6	2131.8	2121.2
60°	2466.3	2473.6	2527.5	2651.7	2806.2	2893.6	2756.7	2584.9	2456.4	2398.2	2378.6
62.5°	2777.9	2778.6	2844.7	2989.9	3193.9	3315.5	3130.1	2900.5	2768.0	2697.9	2678.9
65°	3113.1	3114.8	3183.2	3340.0	3551.0	3683.2	3473.9	3234.7	3072.6	2969.3	2954.7
67.5°	3350.0	3357.0	3429.1	3617.8	3815.1	3934.4	3717.8	3447.4	3260.0	3136.7	3124.4
70°	3312.1	3339.4	3424.1	3644.4	3918.8	4088.8	3757.3	3422.1	3174.9	3029.4	3019.1
72.5°	2888.6	2940.7	3053.7	3342.7	3781.6	4015.8	3541.7	3065.0	2785.3	2661.3	2642.7
75°	1967.0	2051.7	2222.2	2639.1	3230.7	3476.9	2981.6	2443.7	2180.6	2009.2	1996.6
77.5°	877.0	896.3	1112.2	1592.3	2229.5	2496.9	2166.3	1598.6	1199.9	957.1	905.9
80°	244.5	247.5	330.2	593.0	1115.9	1467.0	1198.0	622.9	350.2	246.8	232.5
82.5°	77.7	84.4	103.0	153.8	375.1	669.4	385.0	166.1	118.3	94.3	85.0
85°	37.9	37.5	52.2	62.5	95.7	148.2	102.0	77.1	67.4	44.8	40.5
87.5°	15.9	16.3	24.3	21.9	27.9	23.9	32.9	34.5	36.2	19.9	17.3
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)