

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: P459648

Luminaire Tested: **GAN-SA8A-AMB-U-5MQ**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8A-AMB-U-5MQ
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(8) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8518 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

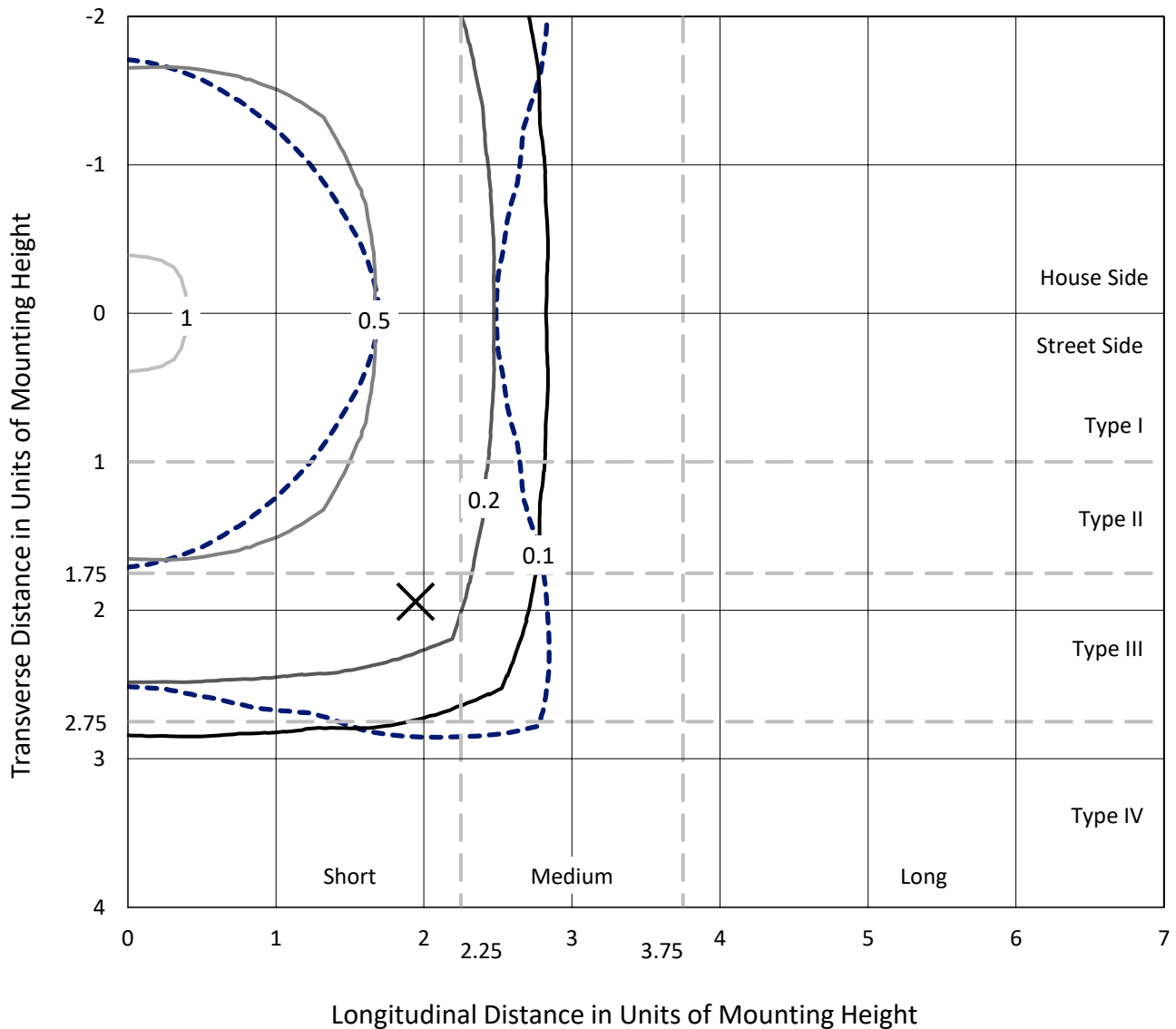
Input Watts (W): 158.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

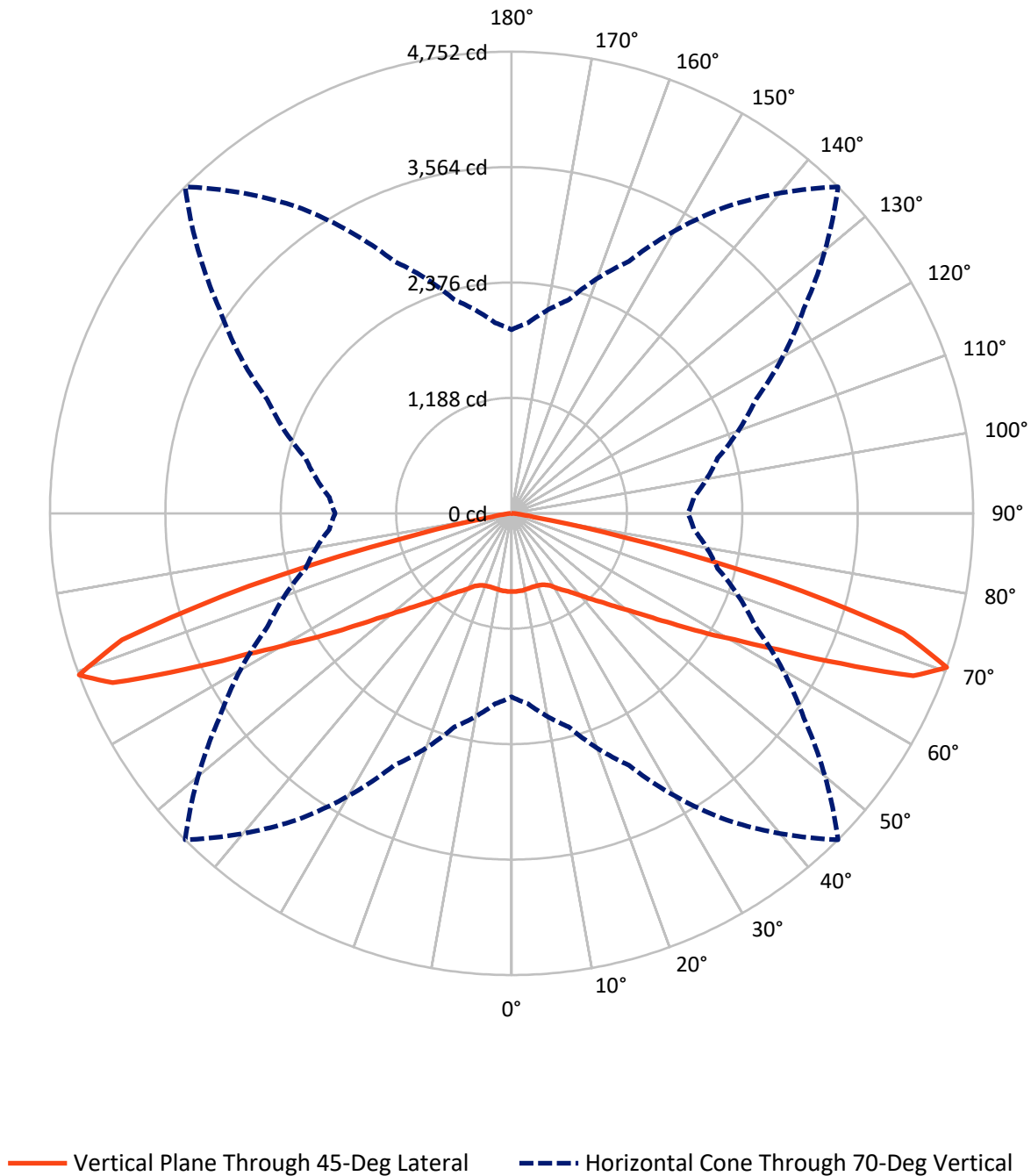
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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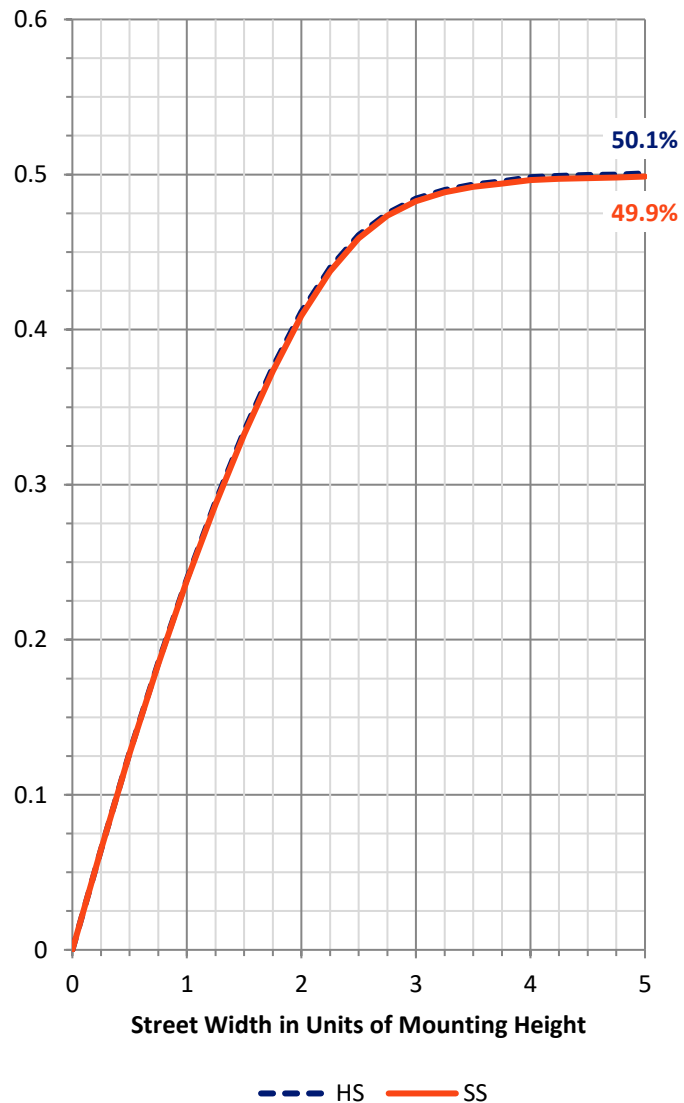
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4259.0	0.0	4259.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4259.0	0.0	4259.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8518.0	0.0	8518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	0.9
10°-20°	222.3	2.6
20°-30°	376.9	4.4
30°-40°	617.8	7.3
40°-50°	1033.0	12.1
50°-60°	1813.4	21.3
60°-70°	2979.2	35.0
70°-80°	1343.0	15.8
80°-90°	55.9	0.7
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°	8518.0	100.0
0°-180°	8518.0	100.0

Coefficient of Utilization



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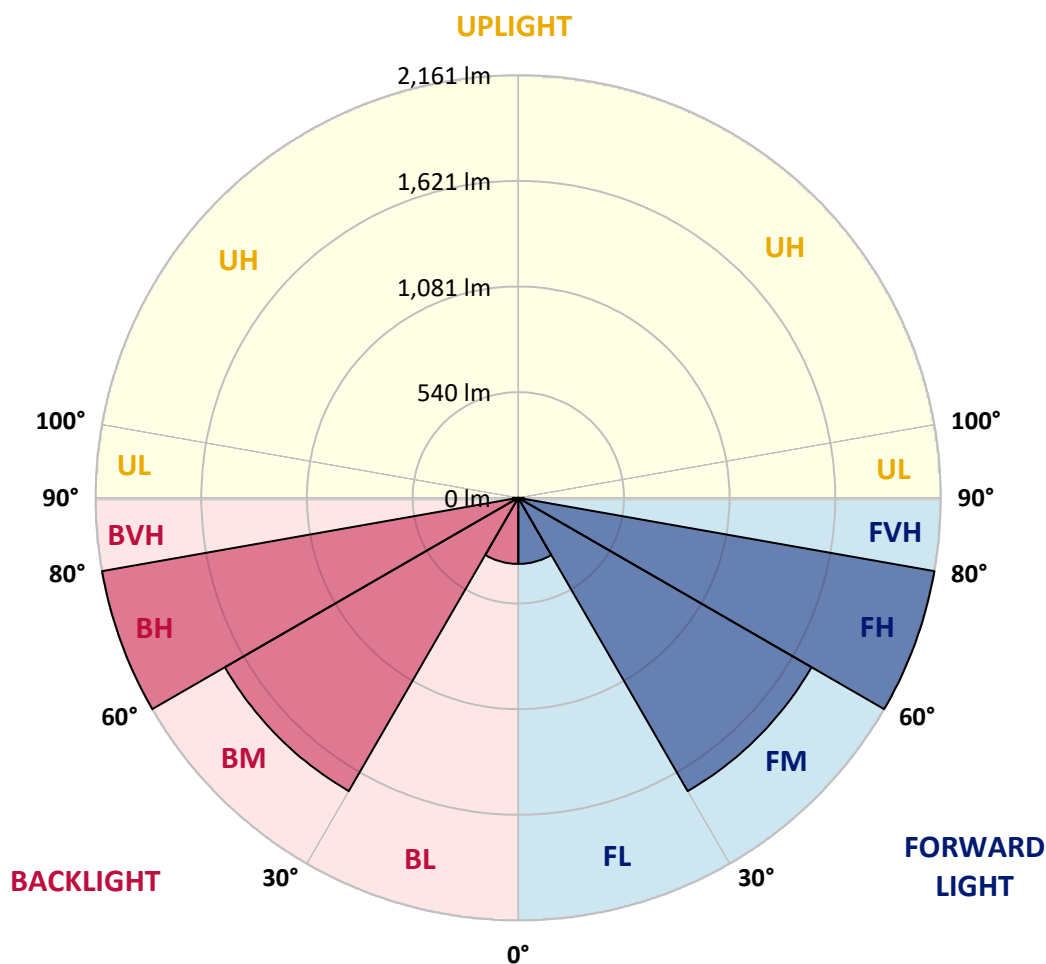
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.9	4.0			
FM	(30°-60°)	1732.1	20.3			
FH	(60°-80°)	2161.1	25.4			G2/5000
FVH	(80°-90°)	27.9	0.3			G1/100
BL	(0°-30°)	337.9	4.0	B1/500		
BM	(30°-60°)	1732.1	20.3	B2/2500		
BH	(60°-80°)	2161.1	25.4	B3/2500		G2/5000
BVH	(80°-90°)	27.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	809.4	809.4	809.4	809.4	806.0	806.0	806.0	806.0	806.0	806.0	806.0
5°	809.4	809.4	809.4	806.0	806.0	802.5	806.0	802.5	802.5	802.5	806.0
7.5°	809.4	809.4	809.4	806.0	806.0	802.5	802.5	799.0	799.0	799.0	799.0
10°	799.0	799.0	799.0	799.0	799.0	795.5	795.5	792.1	792.1	792.1	792.1
12.5°	788.6	792.1	788.6	788.6	792.1	792.1	788.6	785.1	781.7	781.7	785.1
15°	781.7	781.7	781.7	781.7	788.6	788.6	788.6	781.7	778.2	778.2	778.2
17.5°	774.7	774.7	774.7	781.7	785.1	788.6	785.1	781.7	778.2	771.2	771.2
20°	771.2	771.2	774.7	781.7	788.6	792.1	792.1	785.1	778.2	771.2	771.2
22.5°	771.2	771.2	778.2	788.6	795.5	799.0	799.0	792.1	785.1	778.2	778.2
25°	785.1	781.7	788.6	802.5	812.9	816.4	819.9	809.4	799.0	792.1	788.6
27.5°	806.0	809.4	816.4	830.3	844.2	840.7	844.2	837.2	830.3	819.9	819.9
30°	847.7	847.7	858.1	872.0	882.4	885.9	885.9	878.9	868.5	861.6	858.1
32.5°	896.3	896.3	906.7	924.1	931.0	934.5	931.0	924.1	910.2	899.8	896.3
35°	944.9	944.9	958.8	979.7	986.6	979.7	983.1	976.2	965.8	958.8	955.4
37.5°	1004.0	1004.0	1021.4	1038.7	1049.2	1042.2	1052.6	1049.2	1035.3	1028.3	1024.8
40°	1073.5	1076.9	1094.3	1115.2	1115.2	1118.6	1129.1	1132.5	1118.6	1111.7	1104.7
42.5°	1160.3	1167.3	1181.2	1202.0	1205.5	1205.5	1219.4	1222.9	1215.9	1202.0	1195.1
45°	1264.5	1271.5	1292.3	1313.2	1313.2	1306.2	1327.1	1344.4	1330.5	1309.7	1302.8
47.5°	1386.1	1393.1	1420.9	1438.2	1445.2	1427.8	1459.1	1479.9	1462.6	1448.7	1434.8
50°	1532.0	1545.9	1573.7	1601.5	1594.6	1573.7	1615.4	1639.7	1629.3	1598.0	1587.6
52.5°	1688.4	1698.8	1754.4	1782.2	1782.2	1757.8	1813.4	1834.3	1803.0	1761.3	1747.4
55°	1900.3	1896.8	1935.0	1997.6	2021.9	1997.6	2042.7	2049.7	2008.0	1973.2	1948.9
57.5°	2119.1	2126.1	2178.2	2237.3	2272.0	2299.8	2299.8	2282.4	2223.4	2157.4	2143.5
60°	2372.7	2393.6	2456.1	2532.6	2602.0	2640.2	2581.2	2546.4	2456.1	2400.5	2379.7
62.5°	2654.1	2681.9	2775.7	2900.8	3012.0	3088.4	2991.1	2893.8	2779.2	2692.4	2678.5
65°	2741.0	2765.3	2949.4	3220.4	3547.0	3727.6	3418.4	3185.7	2914.7	2734.0	2713.2
67.5°	2549.9	2560.3	2793.1	3258.6	3915.2	4460.6	3779.7	3196.1	2782.7	2522.1	2508.2
70°	1889.9	1969.8	2275.5	2862.6	3852.7	4752.4	3672.0	2775.7	2195.6	1882.9	1816.9
72.5°	1108.2	1090.8	1323.6	1900.3	3147.5	4217.4	2987.6	1882.9	1351.4	1115.2	1063.0
75°	434.3	441.2	552.4	878.9	1782.2	2810.5	1789.1	885.9	493.3	403.0	399.5
77.5°	149.4	152.9	166.8	211.9	573.2	1160.3	590.6	215.4	163.3	173.7	177.2
80°	93.8	90.3	100.7	104.2	125.1	229.3	135.5	111.2	107.7	107.7	111.2
82.5°	48.6	52.1	69.5	73.0	76.4	86.9	86.9	83.4	73.0	55.6	48.6
85°	31.3	24.3	48.6	52.1	48.6	45.2	55.6	62.5	55.6	31.3	34.7
87.5°	13.9	13.9	24.3	24.3	24.3	17.4	24.3	34.7	34.7	13.9	13.9
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)