

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: P459649

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

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8A-AMB-U-5WQ
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(8) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8483 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - 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

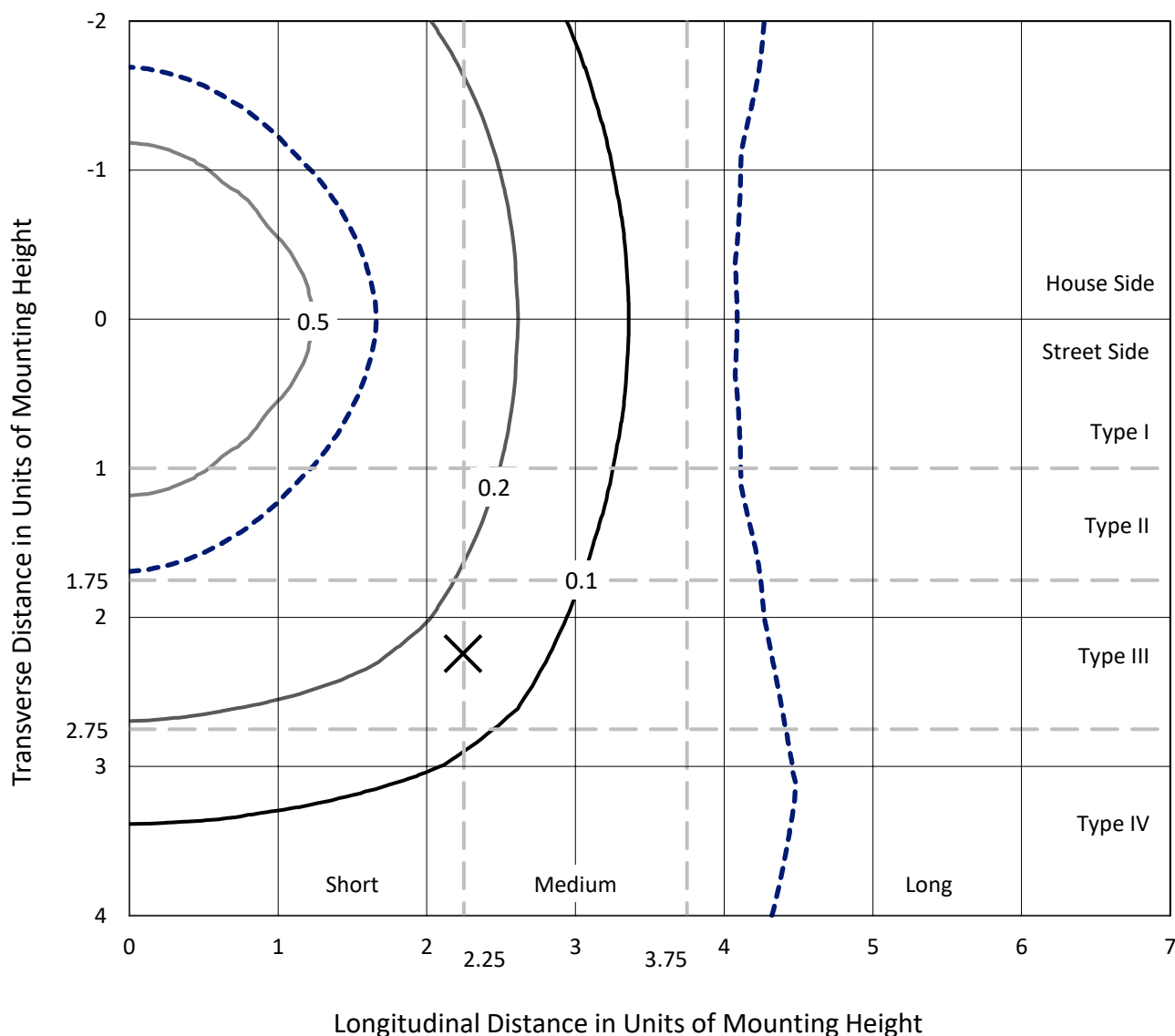


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

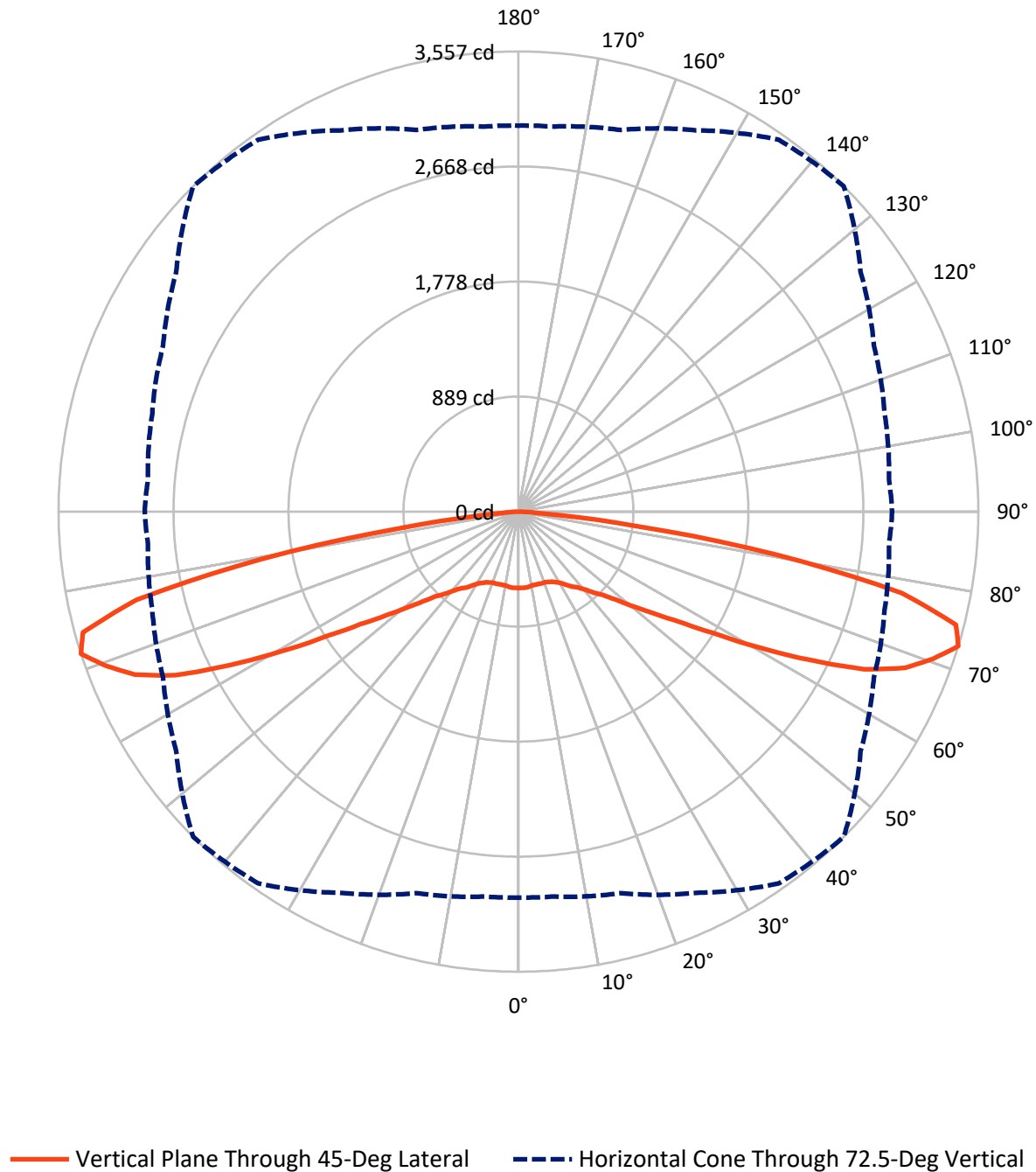
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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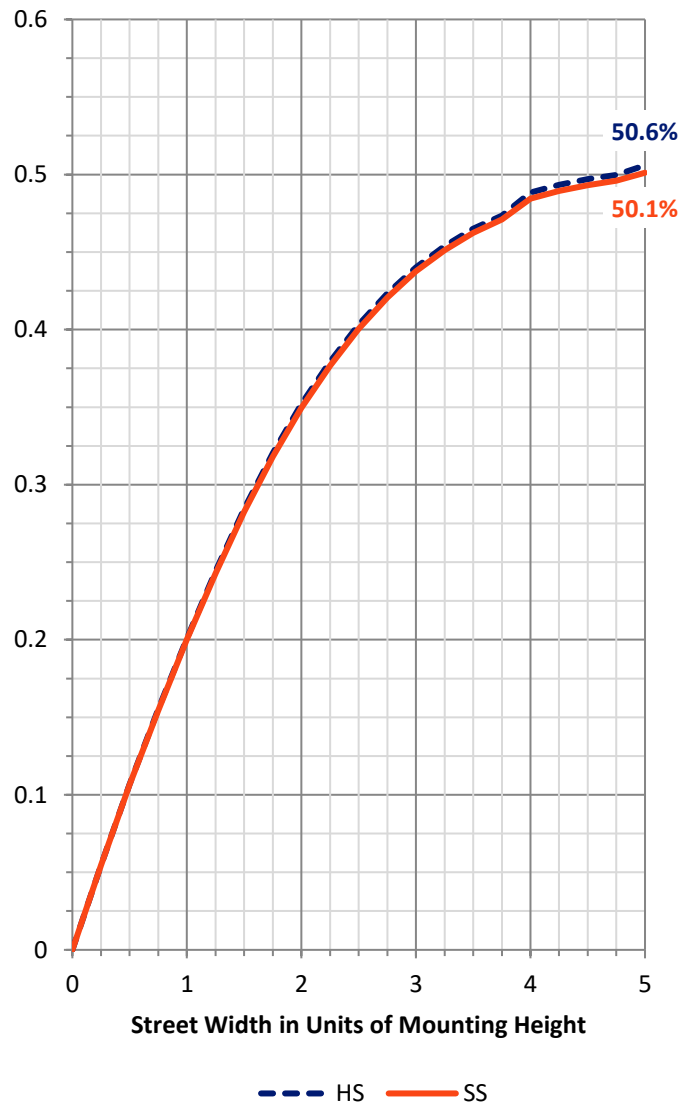
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4241.5	0.0	4241.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4241.5	0.0	4241.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8483.0	0.0	8483.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	0.7
10°-20°	166.6	2.0
20°-30°	285.4	3.4
30°-40°	447.5	5.3
40°-50°	740.6	8.7
50°-60°	1365.6	16.1
60°-70°	2536.9	29.9
70°-80°	2641.4	31.1
80°-90°	242.7	2.9
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°	8483.0	100.0
0°-180°	8483.0	100.0

Coefficient of Utilization



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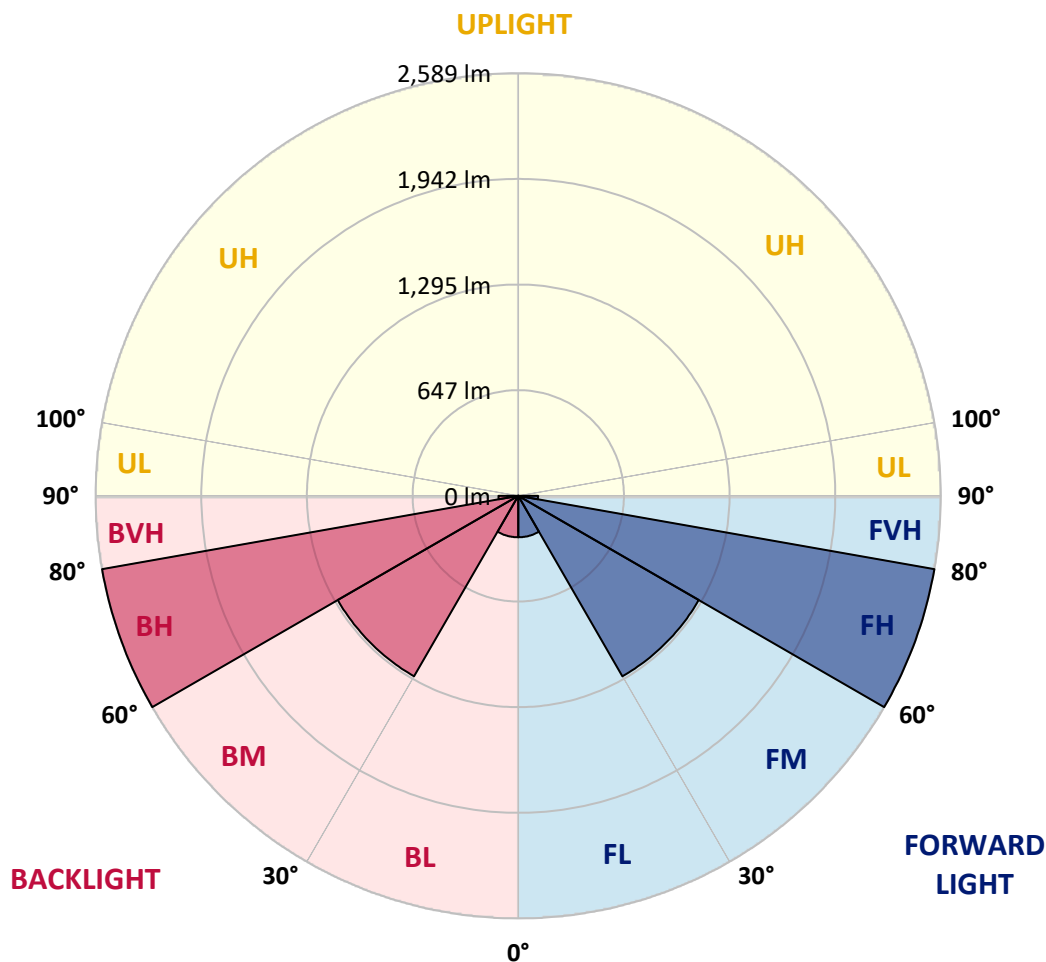
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.1	3.0			
FM	(30°-60°)	1276.9	15.1			
FH	(60°-80°)	2589.1	30.5			G2/5000
FVH	(80°-90°)	121.4	1.4			G2/225
BL	(0°-30°)	254.1	3.0	B1/500		
BM	(30°-60°)	1276.9	15.1	B2/2500		
BH	(60°-80°)	2589.1	30.5	B4/5000		G2/5000
BVH	(80°-90°)	121.4	1.4			G2/225
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°	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5
2.5°	594.0	594.0	594.0	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5
5°	594.0	594.0	594.0	594.0	590.5	590.5	590.5	587.0	587.0	587.0	590.5
7.5°	590.5	594.0	590.5	590.5	587.0	587.0	583.5	583.5	583.5	583.5	583.5
10°	594.0	594.0	590.5	587.0	583.5	580.1	580.1	580.1	580.1	583.5	583.5
12.5°	597.4	597.4	590.5	583.5	583.5	580.1	580.1	580.1	580.1	583.5	587.0
15°	600.9	600.9	594.0	583.5	583.5	580.1	580.1	580.1	587.0	590.5	594.0
17.5°	607.9	604.4	594.0	587.0	583.5	583.5	583.5	583.5	590.5	597.4	597.4
20°	607.9	607.9	597.4	587.0	587.0	583.5	587.0	587.0	594.0	600.9	604.4
22.5°	618.3	614.8	600.9	594.0	590.5	590.5	594.0	594.0	600.9	607.9	611.3
25°	628.7	628.7	614.8	604.4	600.9	600.9	604.4	604.4	611.3	621.7	625.2
27.5°	649.5	646.1	632.2	621.7	618.3	618.3	625.2	625.2	628.7	639.1	642.6
30°	666.9	666.9	653.0	649.5	642.6	639.1	646.1	653.0	653.0	660.0	663.4
32.5°	680.8	680.8	673.9	673.9	677.3	673.9	680.8	677.3	673.9	680.8	680.8
35°	705.1	705.1	698.2	694.7	708.6	712.1	708.6	698.2	698.2	705.1	708.6
37.5°	743.3	743.3	736.4	729.4	732.9	743.3	732.9	729.4	736.4	746.8	750.3
40°	798.9	802.4	795.4	791.9	781.5	791.9	781.5	788.5	798.9	805.8	805.8
42.5°	861.4	864.9	854.5	847.5	851.0	857.9	844.1	847.5	861.4	871.8	871.8
45°	958.7	955.2	937.8	927.4	917.0	920.5	913.5	930.9	944.8	962.1	969.1
47.5°	1052.5	1049.0	1042.0	1031.6	1017.7	1021.2	1021.2	1035.1	1052.5	1069.8	1069.8
50°	1170.6	1170.6	1160.1	1153.2	1142.8	1149.7	1142.8	1160.1	1181.0	1194.9	1198.3
52.5°	1306.0	1302.5	1302.5	1299.1	1292.1	1306.0	1295.6	1316.4	1333.8	1337.3	1344.2
55°	1448.4	1458.9	1472.7	1472.7	1483.2	1497.1	1490.1	1493.6	1507.5	1493.6	1500.5
57.5°	1632.5	1642.9	1663.8	1691.6	1726.3	1764.5	1740.2	1722.8	1695.0	1674.2	1670.7
60°	1823.6	1834.0	1875.7	1959.0	2045.9	2129.2	2056.3	1976.4	1913.9	1861.8	1858.3
62.5°	2032.0	2049.3	2108.4	2233.4	2400.2	2525.2	2410.6	2254.3	2139.7	2059.8	2063.2
65°	2306.4	2316.8	2379.3	2525.2	2785.7	2938.5	2761.4	2553.0	2410.6	2320.3	2323.7
67.5°	2719.7	2712.8	2744.0	2883.0	3098.3	3223.4	3011.5	2841.3	2695.4	2591.2	2608.6
70°	3008.0	3004.5	3025.4	3171.3	3379.7	3404.0	3192.1	3001.1	2879.5	2817.0	2817.0
72.5°	2983.7	2987.2	3053.2	3251.2	3508.2	3556.8	3230.3	3032.3	2931.6	2876.0	2889.9
75°	2414.1	2421.0	2608.6	2969.8	3400.5	3494.3	3143.5	2810.0	2518.3	2358.5	2330.7
77.5°	1160.1	1170.6	1448.4	2045.9	2744.0	3032.3	2719.7	2018.1	1476.2	1198.3	1226.1
80°	350.8	361.2	479.3	840.6	1570.0	2025.0	1625.6	830.2	423.8	309.1	309.1
82.5°	76.4	93.8	111.2	184.1	541.9	923.9	541.9	204.9	125.0	90.3	83.4
85°	41.7	41.7	62.5	66.0	86.8	152.8	104.2	83.4	72.9	48.6	48.6
87.5°	17.4	17.4	31.3	31.3	34.7	24.3	38.2	41.7	41.7	24.3	24.3
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)