

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: P459640

Luminaire Tested: **GAN-SA7A-AMB-U-5MQ**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459640
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-SA7A-AMB-U-5MQ
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(7) 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: 7518 lumens
Efficiency: N/A
Efficacy: 54.2 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

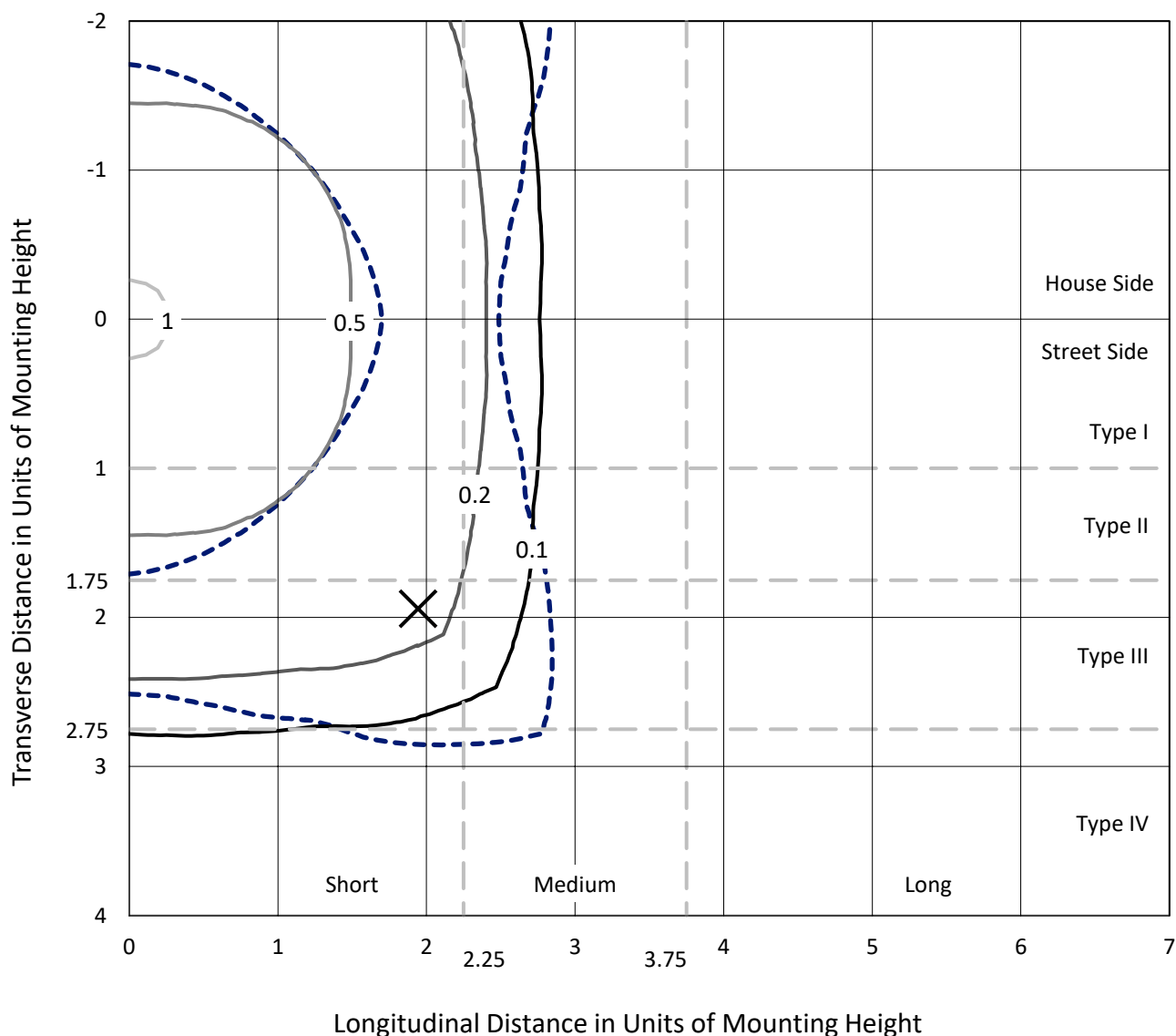
Input Watts (W): 138.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

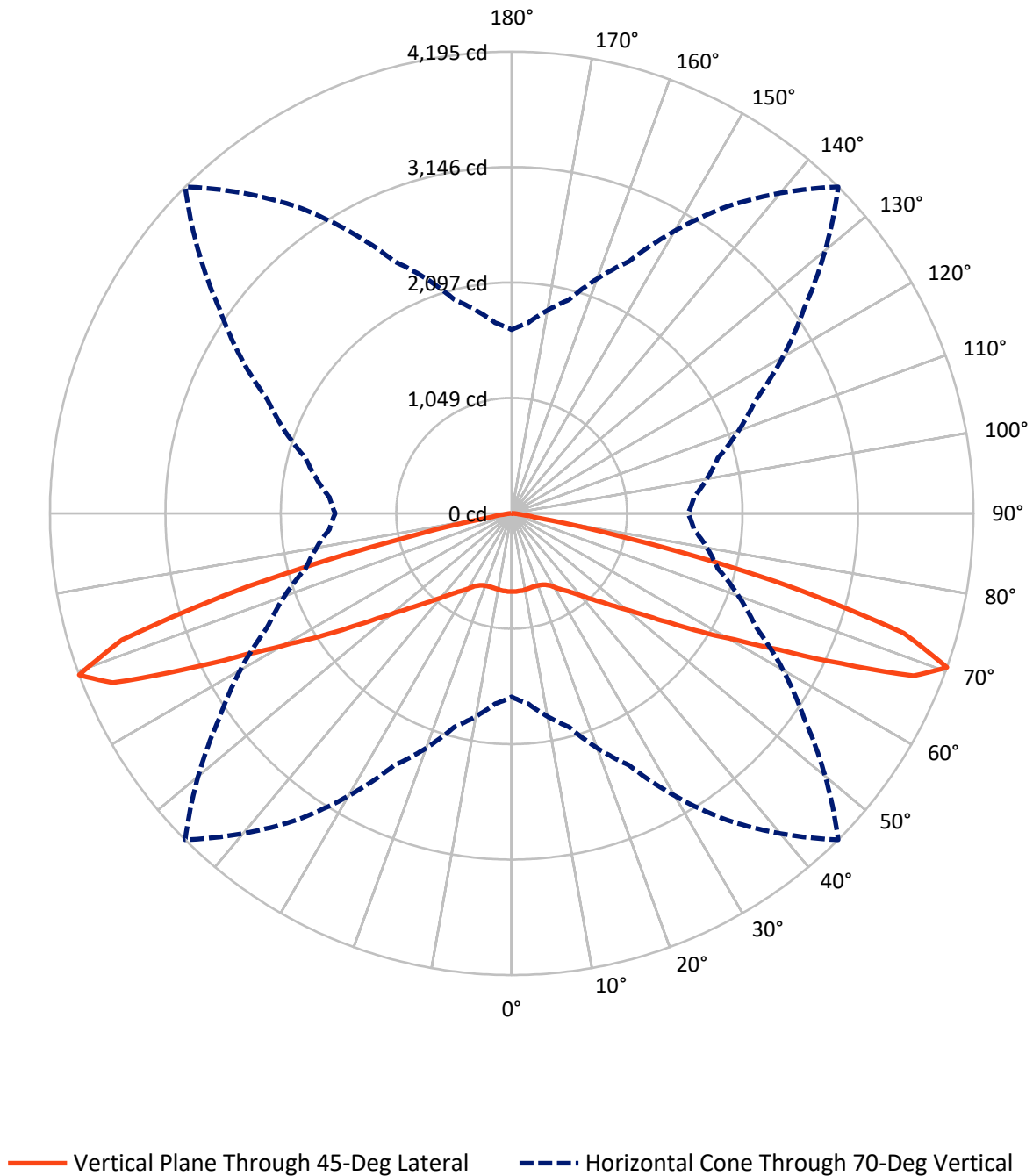
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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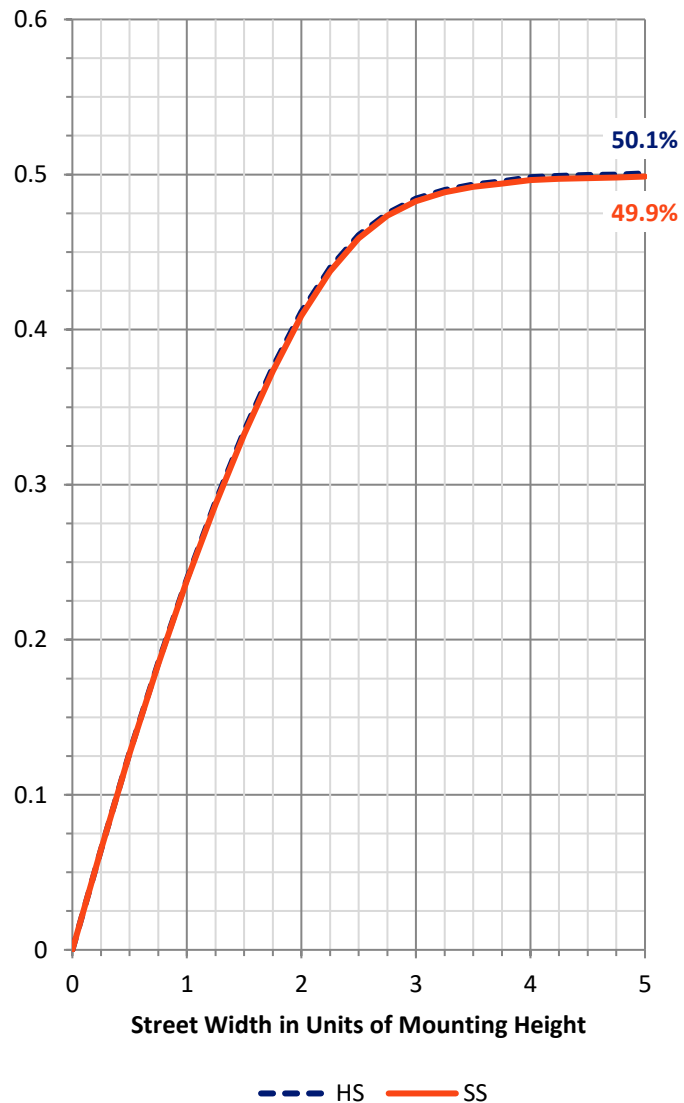
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3759.0	0.0	3759.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3759.0	0.0	3759.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7518.0	0.0	7518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	0.9
10°-20°	196.2	2.6
20°-30°	332.6	4.4
30°-40°	545.2	7.3
40°-50°	911.7	12.1
50°-60°	1600.5	21.3
60°-70°	2629.4	35.0
70°-80°	1185.3	15.8
80°-90°	49.3	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°	7518.0	100.0
0°-180°	7518.0	100.0

Coefficient of Utilization



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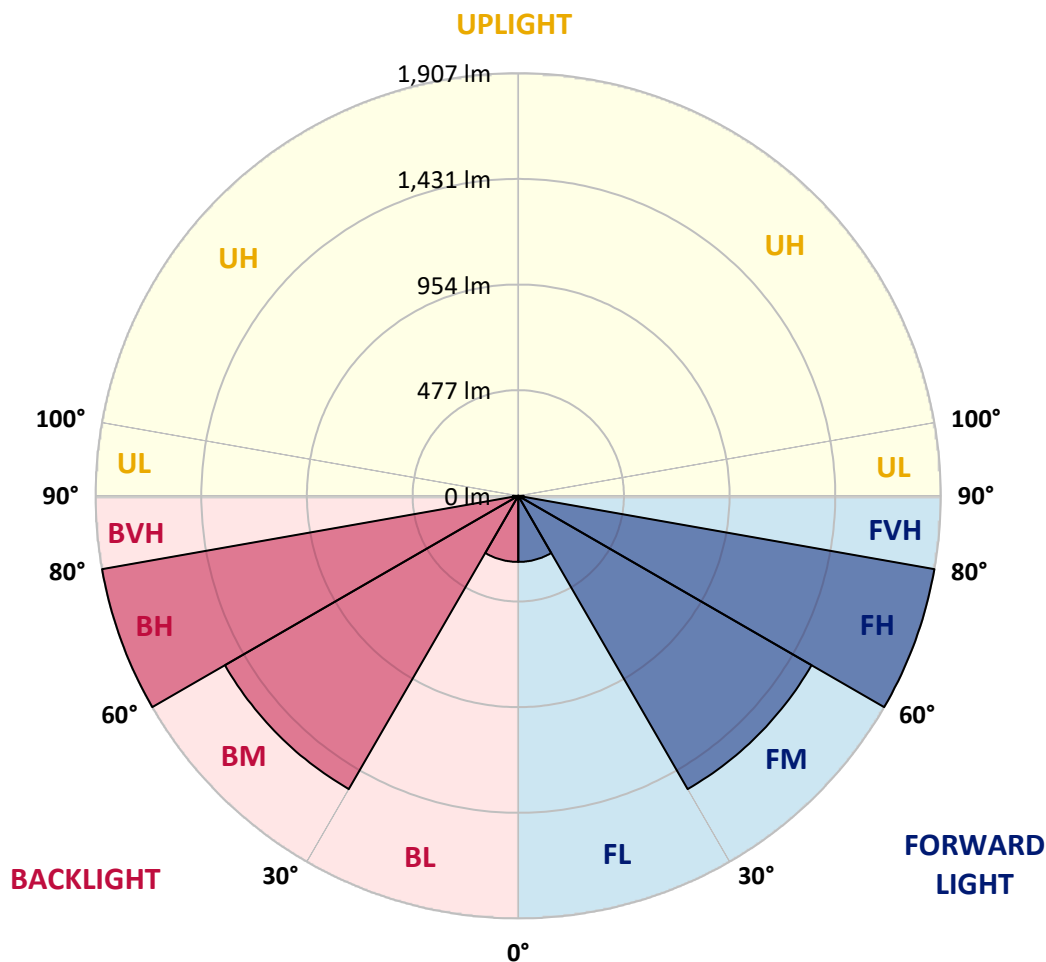
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.2	4.0			
FM	(30°-60°)	1528.7	20.3			
FH	(60°-80°)	1907.4	25.4			G2/5000
FVH	(80°-90°)	24.7	0.3			G1/100
BL	(0°-30°)	298.2	4.0	B1/500		
BM	(30°-60°)	1528.7	20.3	B2/2500		
BH	(60°-80°)	1907.4	25.4	B3/2500		G2/5000
BVH	(80°-90°)	24.7	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°	711.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4
2.5°	714.4	714.4	714.4	714.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4
5°	714.4	714.4	714.4	711.4	711.4	708.3	711.4	708.3	708.3	708.3	711.4
7.5°	714.4	714.4	714.4	711.4	711.4	708.3	708.3	705.2	705.2	705.2	705.2
10°	705.2	705.2	705.2	705.2	705.2	702.2	702.2	699.1	699.1	699.1	699.1
12.5°	696.0	699.1	696.0	696.0	699.1	699.1	696.0	693.0	689.9	689.9	693.0
15°	689.9	689.9	689.9	689.9	696.0	696.0	696.0	689.9	686.8	686.8	686.8
17.5°	683.8	683.8	683.8	689.9	693.0	696.0	693.0	689.9	686.8	680.7	680.7
20°	680.7	680.7	683.8	689.9	696.0	699.1	699.1	693.0	686.8	680.7	680.7
22.5°	680.7	680.7	686.8	696.0	702.2	705.2	705.2	699.1	693.0	686.8	686.8
25°	693.0	689.9	696.0	708.3	717.5	720.5	723.6	714.4	705.2	699.1	696.0
27.5°	711.4	714.4	720.5	732.8	745.1	742.0	745.1	738.9	732.8	723.6	723.6
30°	748.1	748.1	757.3	769.6	778.8	781.9	781.9	775.7	766.5	760.4	757.3
32.5°	791.1	791.1	800.3	815.6	821.7	824.8	821.7	815.6	803.3	794.1	791.1
35°	834.0	834.0	846.3	864.7	870.8	864.7	867.7	861.6	852.4	846.3	843.2
37.5°	886.1	886.1	901.5	916.8	926.0	919.8	929.0	926.0	913.7	907.6	904.5
40°	947.4	950.5	965.8	984.2	984.2	987.3	996.5	999.6	987.3	981.2	975.0
42.5°	1024.1	1030.2	1042.5	1060.9	1064.0	1064.0	1076.2	1079.3	1073.2	1060.9	1054.8
45°	1116.1	1122.2	1140.6	1159.0	1159.0	1152.9	1171.3	1186.6	1174.3	1155.9	1149.8
47.5°	1223.4	1229.5	1254.1	1269.4	1275.5	1260.2	1287.8	1306.2	1290.9	1278.6	1266.3
50°	1352.2	1364.4	1389.0	1413.5	1407.4	1389.0	1425.8	1447.2	1438.0	1410.4	1401.2
52.5°	1490.2	1499.4	1548.4	1572.9	1572.9	1551.5	1600.5	1618.9	1591.3	1554.5	1542.3
55°	1677.2	1674.1	1707.9	1763.0	1784.5	1763.0	1802.9	1809.0	1772.2	1741.6	1720.1
57.5°	1870.4	1876.5	1922.5	1974.6	2005.3	2029.8	2029.8	2014.5	1962.3	1904.1	1891.8
60°	2094.2	2112.6	2167.8	2235.2	2296.6	2330.3	2278.2	2247.5	2167.8	2118.7	2100.3
62.5°	2342.6	2367.1	2449.9	2560.2	2658.4	2725.8	2640.0	2554.1	2452.9	2376.3	2364.0
65°	2419.2	2440.7	2603.2	2842.3	3130.6	3290.0	3017.1	2811.7	2572.5	2413.1	2394.7
67.5°	2250.6	2259.8	2465.2	2876.1	3455.6	3937.0	3336.0	2820.9	2456.0	2226.0	2213.8
70°	1668.0	1738.5	2008.3	2526.5	3400.4	4194.5	3240.9	2449.9	1937.8	1661.9	1603.6
72.5°	978.1	962.8	1168.2	1677.2	2777.9	3722.3	2636.9	1661.9	1192.7	984.2	938.2
75°	383.3	389.4	487.5	775.7	1572.9	2480.5	1579.1	781.9	435.4	355.7	352.6
77.5°	131.8	134.9	147.2	187.0	505.9	1024.1	521.2	190.1	144.1	153.3	156.4
80°	82.8	79.7	88.9	92.0	110.4	202.4	119.6	98.1	95.1	95.1	98.1
82.5°	42.9	46.0	61.3	64.4	67.5	76.7	76.7	73.6	64.4	49.1	42.9
85°	27.6	21.5	42.9	46.0	42.9	39.9	49.1	55.2	49.1	27.6	30.7
87.5°	12.3	12.3	21.5	21.5	21.5	15.3	21.5	30.7	30.7	12.3	12.3
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)