

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: P316386

Luminaire Tested: **GAN-SA2A-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8376 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

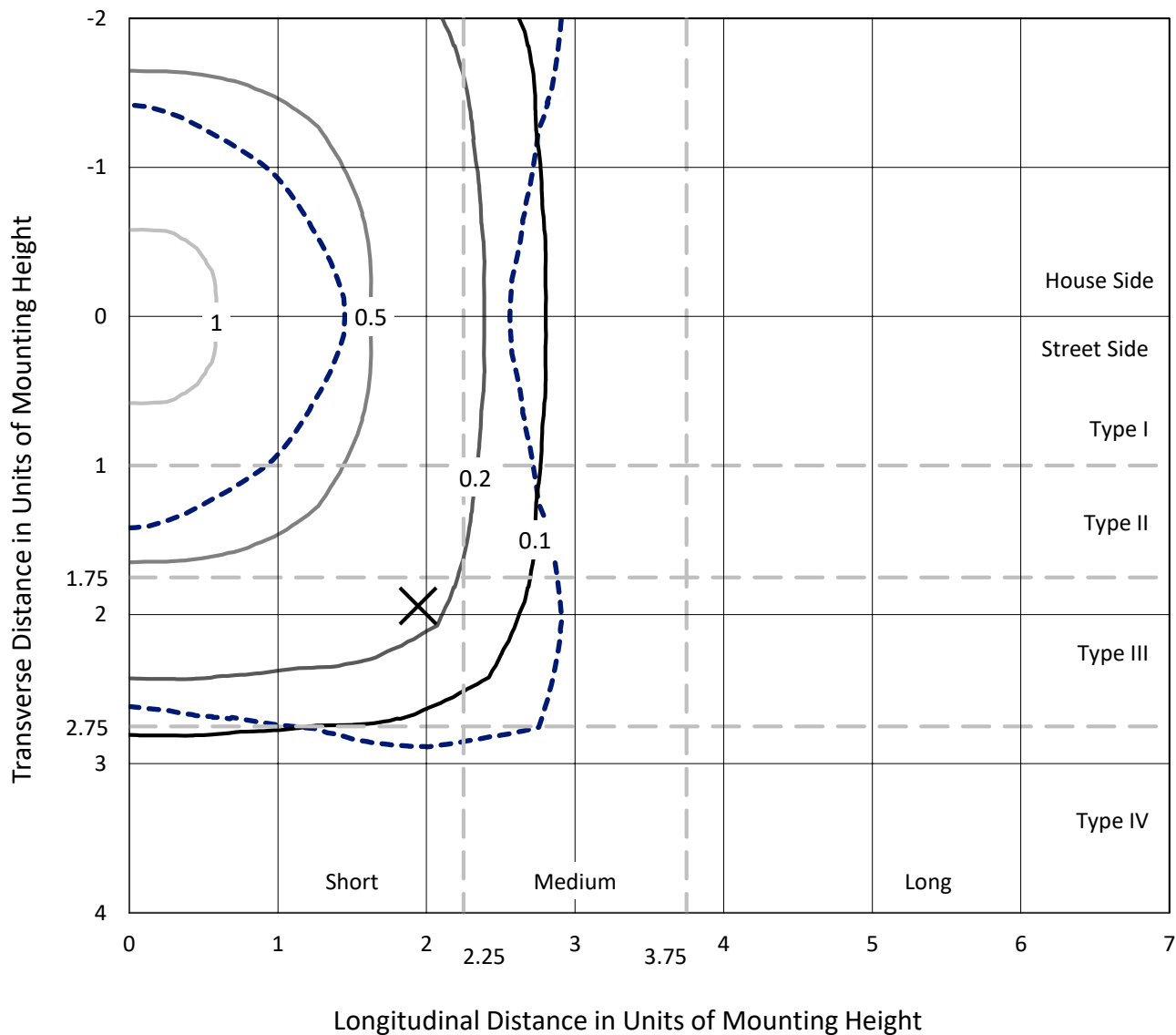
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

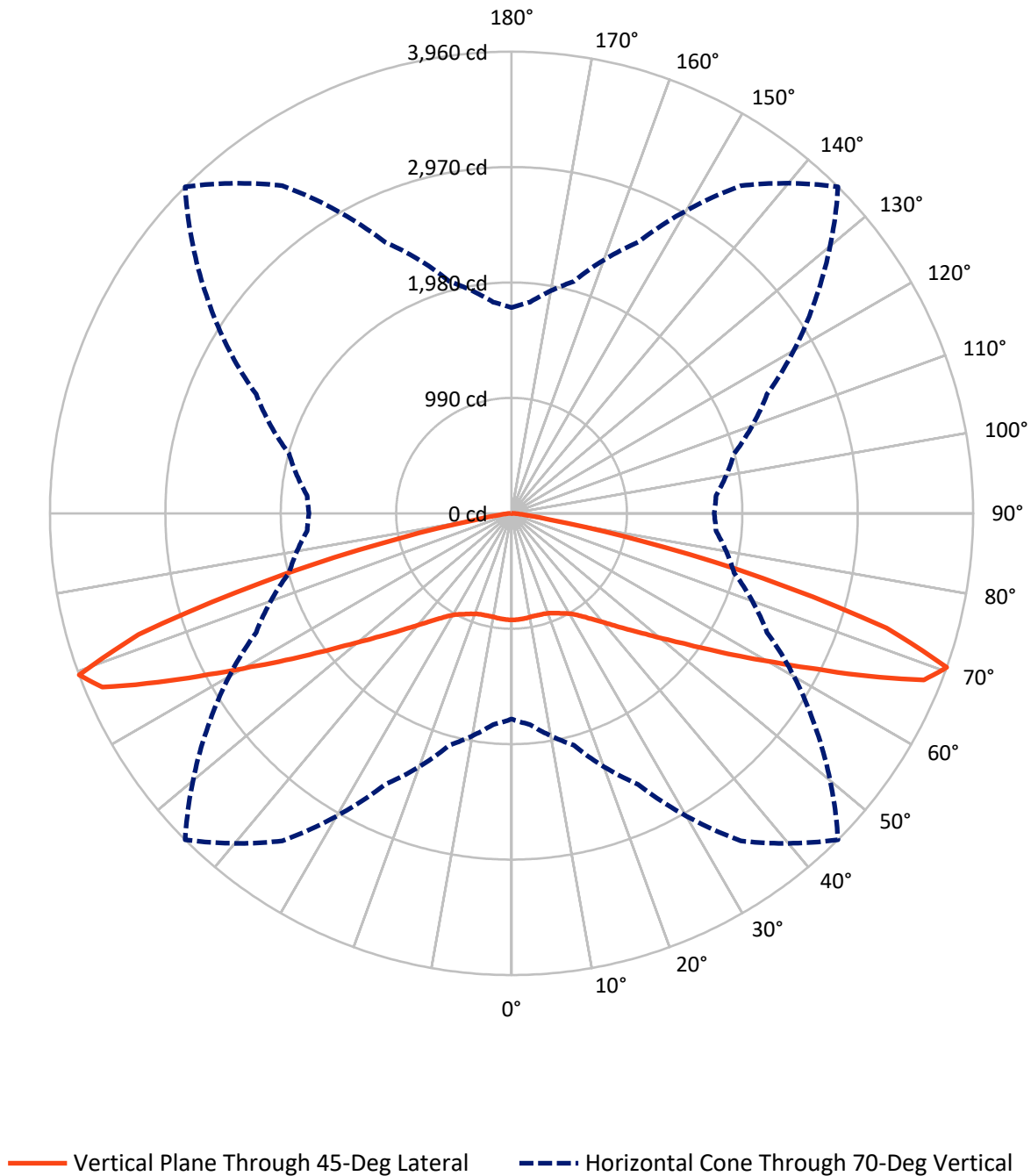
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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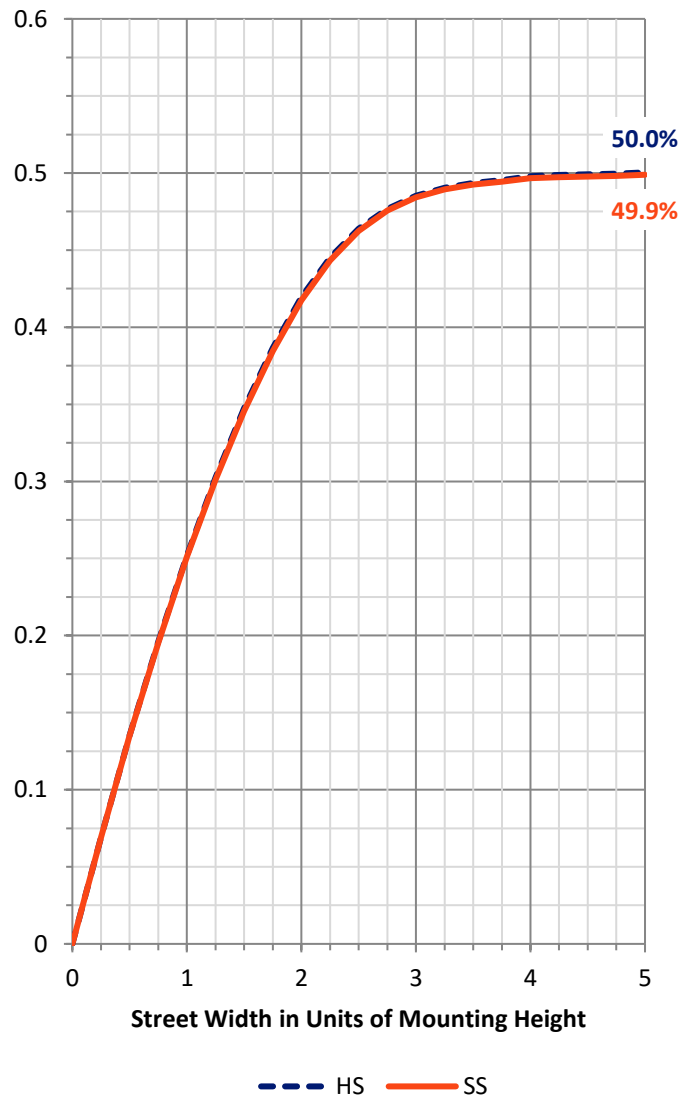
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4188.0	0.0	4188.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4188.0	0.0	4188.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8376.0	0.0	8376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	1.0
10°-20°	254.4	3.0
20°-30°	433.0	5.2
30°-40°	686.7	8.2
40°-50°	1117.5	13.3
50°-60°	1842.6	22.0
60°-70°	2704.9	32.3
70°-80°	1196.1	14.3
80°-90°	54.2	0.6
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°	8376.0	100.0
0°-180°	8376.0	100.0

Coefficient of Utilization



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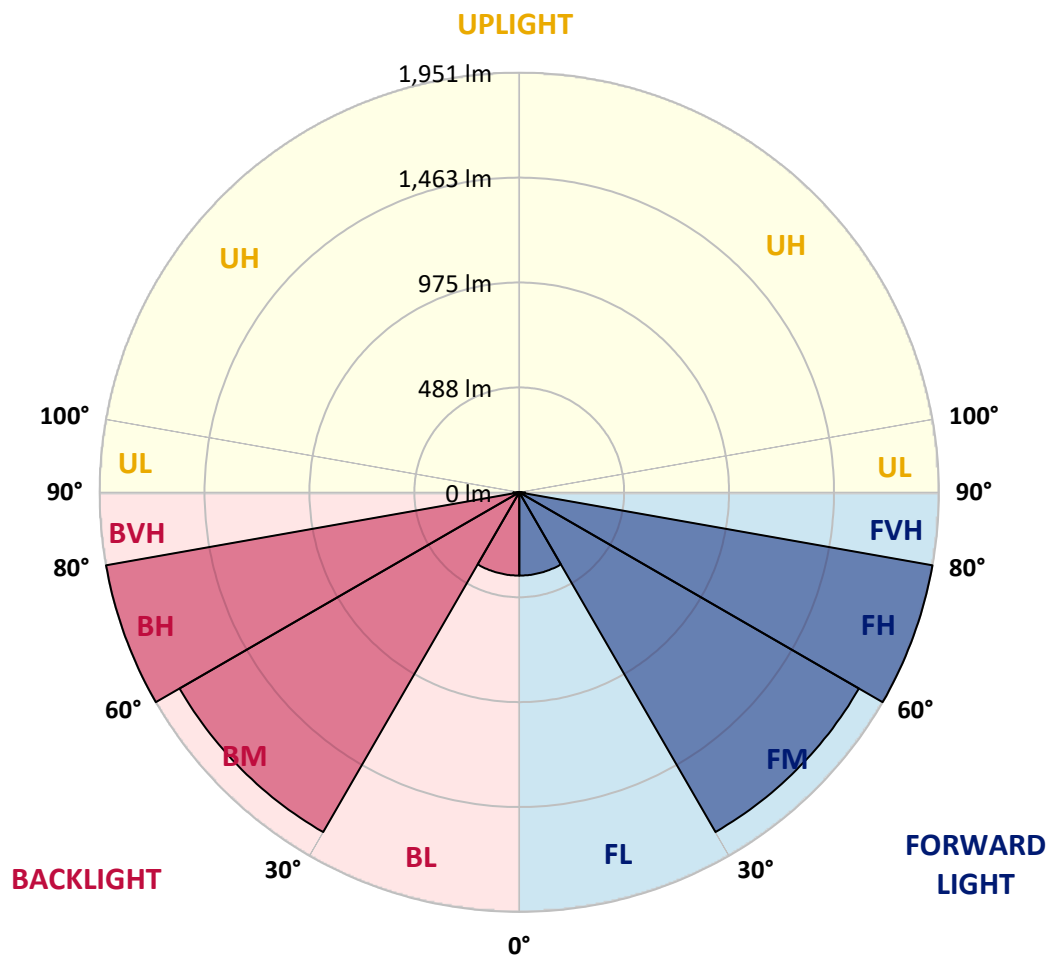
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	387.0	4.6			
FM	(30°-60°)	1823.4	21.8			
FH	(60°-80°)	1950.5	23.3			G2/5000
FVH	(80°-90°)	27.1	0.3			G1/100
BL	(0°-30°)	387.0	4.6	B1/500		
BM	(30°-60°)	1823.4	21.8	B2/2500		
BH	(60°-80°)	1950.5	23.3	B3/2500		G2/5000
BVH	(80°-90°)	27.1	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°	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8
2.5°	913.4	912.6	914.5	914.2	912.6	912.8	912.8	913.7	913.7	913.1	913.1
5°	910.1	909.5	911.7	911.7	910.1	910.6	911.2	912.0	911.7	911.2	910.9
7.5°	905.9	905.6	907.9	907.9	906.8	907.3	906.8	907.0	906.5	905.9	905.1
10°	899.0	899.5	901.5	902.0	902.0	902.3	901.8	900.4	899.5	898.7	897.9
12.5°	892.6	892.3	895.1	896.5	898.7	901.2	899.5	895.7	894.0	892.3	891.8
15°	888.5	888.7	891.5	894.0	897.9	903.1	901.2	895.1	891.8	889.8	889.3
17.5°	887.6	888.2	891.8	896.2	900.4	906.2	905.1	899.0	893.4	889.8	889.0
20°	889.6	889.8	895.4	901.8	909.0	914.5	912.0	905.4	897.9	892.3	890.9
22.5°	893.2	894.3	901.2	911.2	922.3	929.8	926.7	915.3	903.7	896.8	894.8
25°	904.5	904.8	914.2	927.8	941.1	949.7	946.1	930.0	915.1	907.3	904.8
27.5°	928.1	928.9	938.4	954.2	965.5	971.1	968.8	955.8	943.1	934.7	935.6
30°	962.2	963.3	973.8	991.3	998.2	999.6	999.1	993.0	981.3	970.2	971.1
32.5°	1003.8	1004.3	1018.5	1034.3	1039.8	1040.9	1039.8	1034.3	1020.4	1005.4	1006.3
35°	1057.3	1058.9	1072.5	1087.8	1092.2	1094.4	1092.5	1085.3	1070.9	1056.2	1055.6
37.5°	1123.3	1123.5	1137.7	1153.5	1159.0	1159.6	1157.3	1152.6	1134.6	1121.3	1120.5
40°	1199.8	1200.9	1217.5	1234.4	1236.6	1234.1	1237.2	1234.4	1215.8	1200.6	1203.1
42.5°	1292.9	1295.4	1315.4	1332.0	1325.6	1324.2	1326.2	1327.0	1312.0	1293.5	1291.8
45°	1401.3	1403.5	1428.5	1441.8	1437.6	1428.5	1432.3	1439.0	1418.2	1395.2	1397.4
47.5°	1524.9	1530.5	1557.1	1569.6	1559.3	1546.8	1554.3	1564.3	1539.9	1511.3	1510.0
50°	1662.4	1669.4	1704.8	1722.3	1712.0	1689.0	1701.5	1708.2	1673.0	1636.1	1633.0
52.5°	1809.1	1816.0	1860.6	1896.7	1890.0	1854.3	1871.7	1864.8	1824.3	1774.7	1770.8
55°	1975.1	1977.9	2026.1	2084.3	2091.0	2064.7	2063.5	2052.2	1992.3	1934.9	1932.1
57.5°	2145.9	2147.8	2210.2	2278.9	2310.3	2310.3	2279.2	2255.1	2175.5	2109.0	2102.1
60°	2330.2	2337.1	2406.2	2499.6	2572.8	2594.4	2539.5	2473.8	2387.3	2306.1	2298.1
62.5°	2494.3	2502.4	2608.0	2747.1	2864.7	2943.4	2809.2	2702.2	2544.8	2414.5	2399.2
65°	2515.1	2536.7	2690.6	2942.6	3205.6	3362.8	3105.6	2841.9	2555.0	2374.0	2358.5
67.5°	2297.0	2333.5	2541.5	2933.7	3477.3	3814.7	3294.9	2762.1	2371.0	2170.8	2153.6
70°	1765.0	1818.2	2058.0	2566.1	3430.5	3960.2	3176.3	2418.1	1976.8	1761.4	1737.3
72.5°	968.3	990.2	1205.9	1757.2	2750.2	3365.3	2649.3	1788.0	1310.9	1066.7	1026.2
75°	307.1	314.9	424.7	719.1	1555.7	2229.0	1682.9	877.6	483.2	356.2	352.1
77.5°	136.4	137.2	153.6	209.8	535.8	1129.3	643.7	239.0	164.7	143.9	148.6
80°	86.2	86.2	95.1	104.0	145.8	327.9	174.1	113.7	97.0	90.1	92.0
82.5°	41.3	45.7	61.8	66.5	80.1	110.3	89.3	74.3	64.9	48.2	44.9
85°	27.2	22.7	39.1	44.1	46.6	52.9	51.8	49.1	42.4	24.1	26.9
87.5°	12.2	11.6	20.2	18.6	17.5	13.3	20.0	24.7	23.8	11.9	11.9
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)