

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: P316295

Luminaire Tested: **GAN-SA1D-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316295
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-SA1D-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6290 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

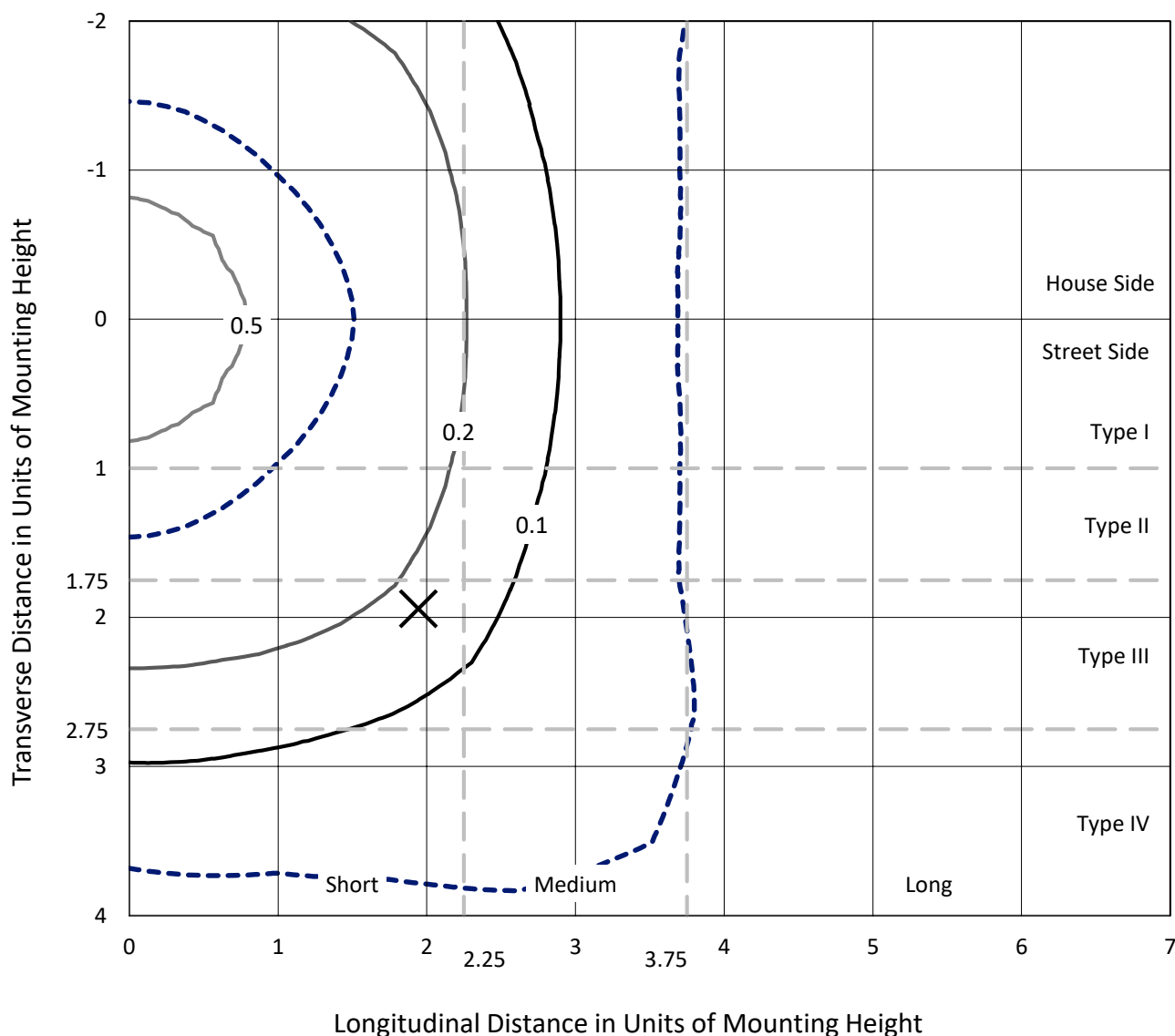
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

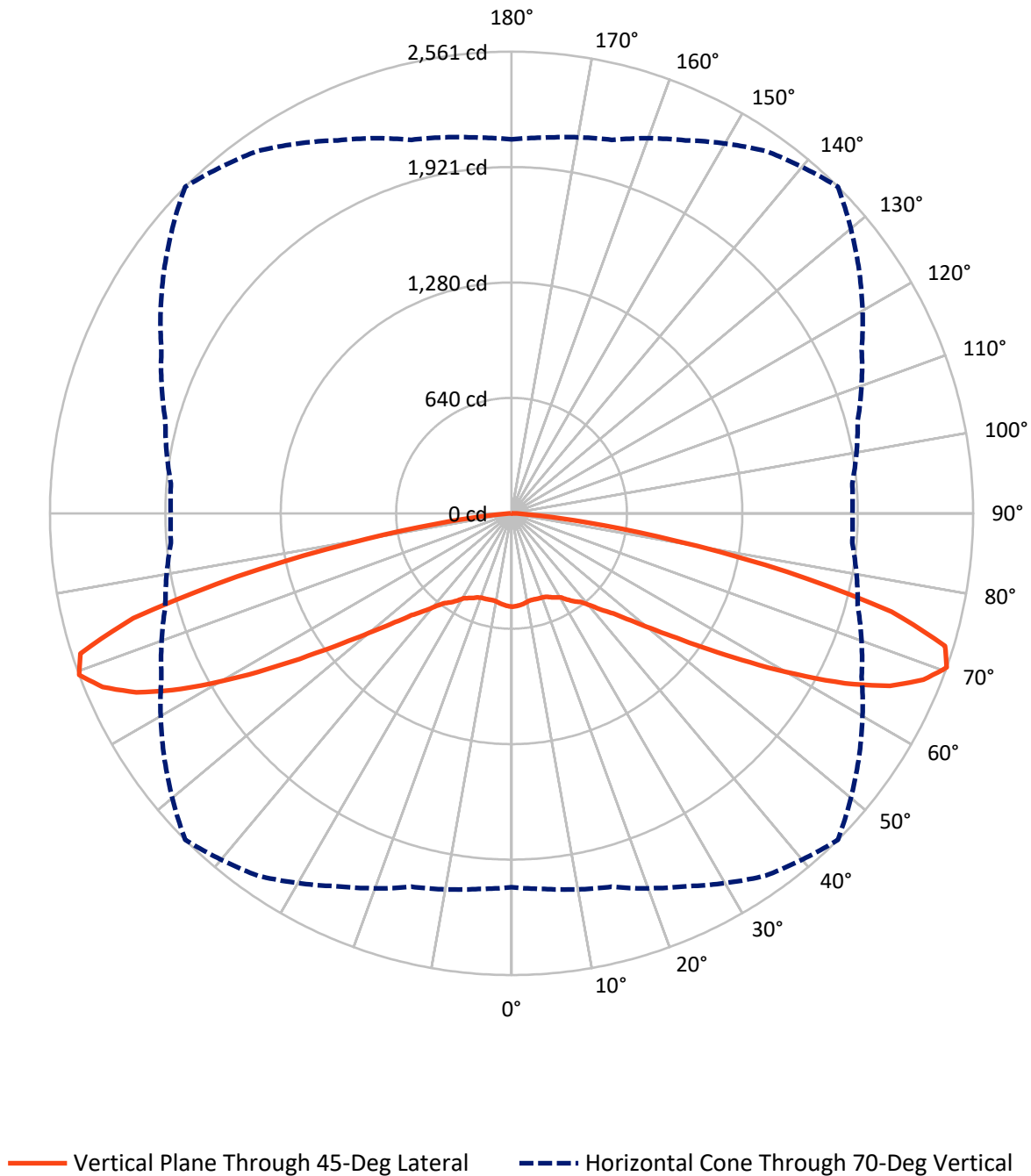
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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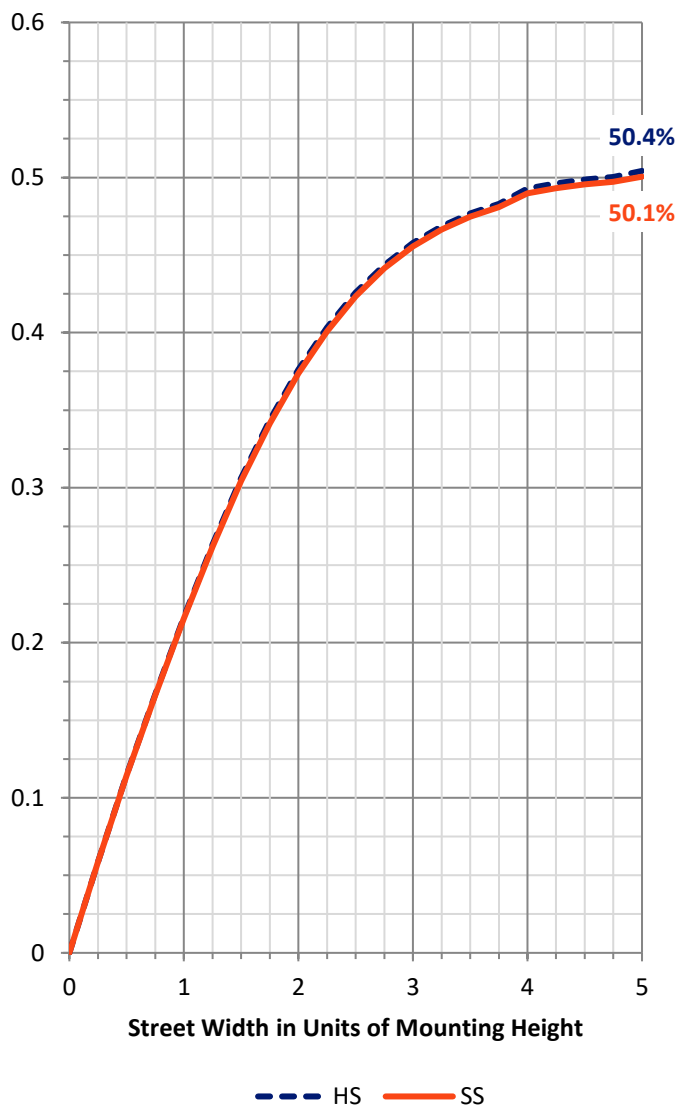
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3145.0	0.0	3145.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3145.0	0.0	3145.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6290.0	0.0	6290.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	0.8
10°-20°	141.1	2.2
20°-30°	240.6	3.8
30°-40°	376.0	6.0
40°-50°	637.2	10.1
50°-60°	1162.0	18.5
60°-70°	2000.4	31.8
70°-80°	1568.0	24.9
80°-90°	116.3	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°	6290.0	100.0
0°-180°	6290.0	100.0

Coefficient of Utilization



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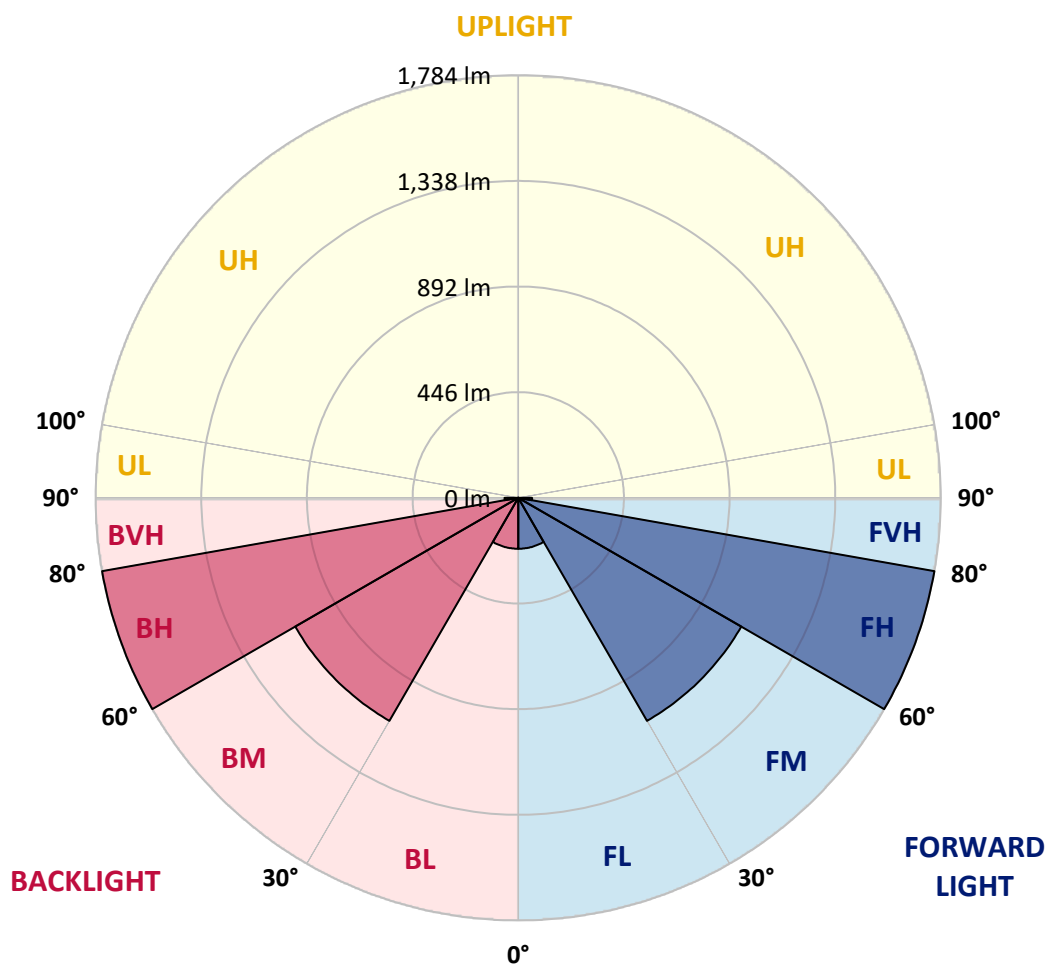
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.0	3.4			
FM	(30°-60°)	1087.6	17.3			
FH	(60°-80°)	1784.2	28.4			G1/1800
FVH	(80°-90°)	58.1	0.9			G1/100
BL	(0°-30°)	215.0	3.4	B1/500		
BM	(30°-60°)	1087.6	17.3	B2/2500		
BH	(60°-80°)	1784.2	28.4	B3/2500		G1/1800
BVH	(80°-90°)	58.1	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7
2.5°	515.4	516.0	515.4	515.8	514.8	515.2	515.2	515.2	515.0	515.2	514.8
5°	510.8	511.2	510.4	510.8	510.2	510.8	511.0	510.8	510.4	510.6	509.8
7.5°	503.9	504.4	503.7	504.4	503.5	504.6	504.4	503.7	503.1	503.1	502.3
10°	500.2	500.4	498.7	498.1	496.2	496.7	497.3	497.9	498.5	499.8	499.6
12.5°	500.4	500.4	497.9	495.2	492.5	493.1	494.2	496.4	498.9	501.2	501.4
15°	502.5	502.3	498.5	494.2	492.3	494.2	494.8	496.2	500.2	504.1	504.4
17.5°	503.9	503.9	498.1	493.1	492.9	495.8	495.6	496.2	500.6	506.4	506.6
20°	506.6	506.6	499.2	493.7	493.7	496.9	497.1	498.1	502.5	508.9	510.0
22.5°	512.7	512.9	505.0	500.6	501.0	502.9	503.5	505.2	509.1	516.2	517.5
25°	521.2	521.6	513.5	511.0	512.5	516.0	515.6	516.8	521.2	528.1	529.3
27.5°	533.1	532.0	524.5	523.5	525.0	527.4	527.2	527.4	531.0	537.2	538.7
30°	548.5	548.0	542.6	543.3	542.6	541.8	542.0	543.7	545.5	550.5	552.0
32.5°	563.4	563.9	560.5	563.7	568.2	571.3	566.6	562.0	559.9	562.6	563.9
35°	590.5	591.5	586.3	584.2	590.5	599.6	586.1	578.6	582.8	586.3	587.4
37.5°	636.5	637.1	628.4	620.0	615.5	624.2	610.7	611.3	625.9	632.5	632.3
40°	688.9	689.1	683.3	676.0	668.1	670.2	664.8	666.4	676.0	682.0	683.7
42.5°	751.3	750.7	741.5	731.1	728.9	730.9	721.8	720.5	731.6	742.4	742.6
45°	832.3	830.8	818.9	807.5	796.5	791.9	789.6	795.6	810.8	820.8	821.0
47.5°	919.4	915.5	909.2	900.1	890.5	885.9	882.2	885.1	896.1	900.1	900.5
50°	1009.1	1010.0	1011.2	1007.7	1004.1	1002.7	992.9	987.3	990.6	983.3	982.3
52.5°	1115.4	1117.1	1129.2	1139.4	1145.4	1148.5	1130.0	1110.7	1099.8	1085.7	1081.5
55°	1240.9	1243.6	1261.3	1289.6	1318.7	1334.1	1300.6	1264.4	1230.9	1204.5	1196.0
57.5°	1380.7	1385.5	1409.9	1464.2	1523.9	1560.3	1503.7	1437.9	1373.2	1335.2	1328.5
60°	1544.7	1549.3	1583.0	1660.8	1757.5	1812.3	1726.5	1619.0	1538.4	1502.0	1489.8
62.5°	1739.8	1740.3	1781.7	1872.6	2000.3	2076.5	1960.4	1816.6	1733.6	1689.7	1677.8
65°	1949.8	1950.8	1993.7	2091.9	2224.0	2306.8	2175.7	2025.9	1924.4	1859.7	1850.5
67.5°	2098.1	2102.5	2147.7	2265.8	2389.4	2464.1	2328.5	2159.1	2041.8	1964.6	1956.9
70°	2074.4	2091.5	2144.5	2282.5	2454.3	2560.9	2353.2	2143.3	1988.5	1897.4	1890.9
72.5°	1809.1	1841.8	1912.5	2093.6	2368.4	2515.1	2218.2	1919.6	1744.4	1666.8	1655.2
75°	1232.0	1285.0	1391.8	1652.9	2023.4	2177.6	1867.4	1530.5	1365.7	1258.4	1250.5
77.5°	549.3	561.4	696.6	997.3	1396.3	1563.8	1356.8	1001.2	751.5	599.4	567.4
80°	153.1	155.0	206.8	371.4	698.9	918.8	750.3	390.1	219.3	154.6	145.6
82.5°	48.7	52.8	64.5	96.3	234.9	419.3	241.1	104.0	74.1	59.1	53.3
85°	23.7	23.5	32.7	39.1	59.9	92.8	63.9	48.3	42.2	28.1	25.4
87.5°	10.0	10.2	15.2	13.7	17.5	15.0	20.6	21.6	22.7	12.5	10.8
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)