

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: P316216

Luminaire Tested: **GAN-SA2D-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316216
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-SA2D-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16722 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

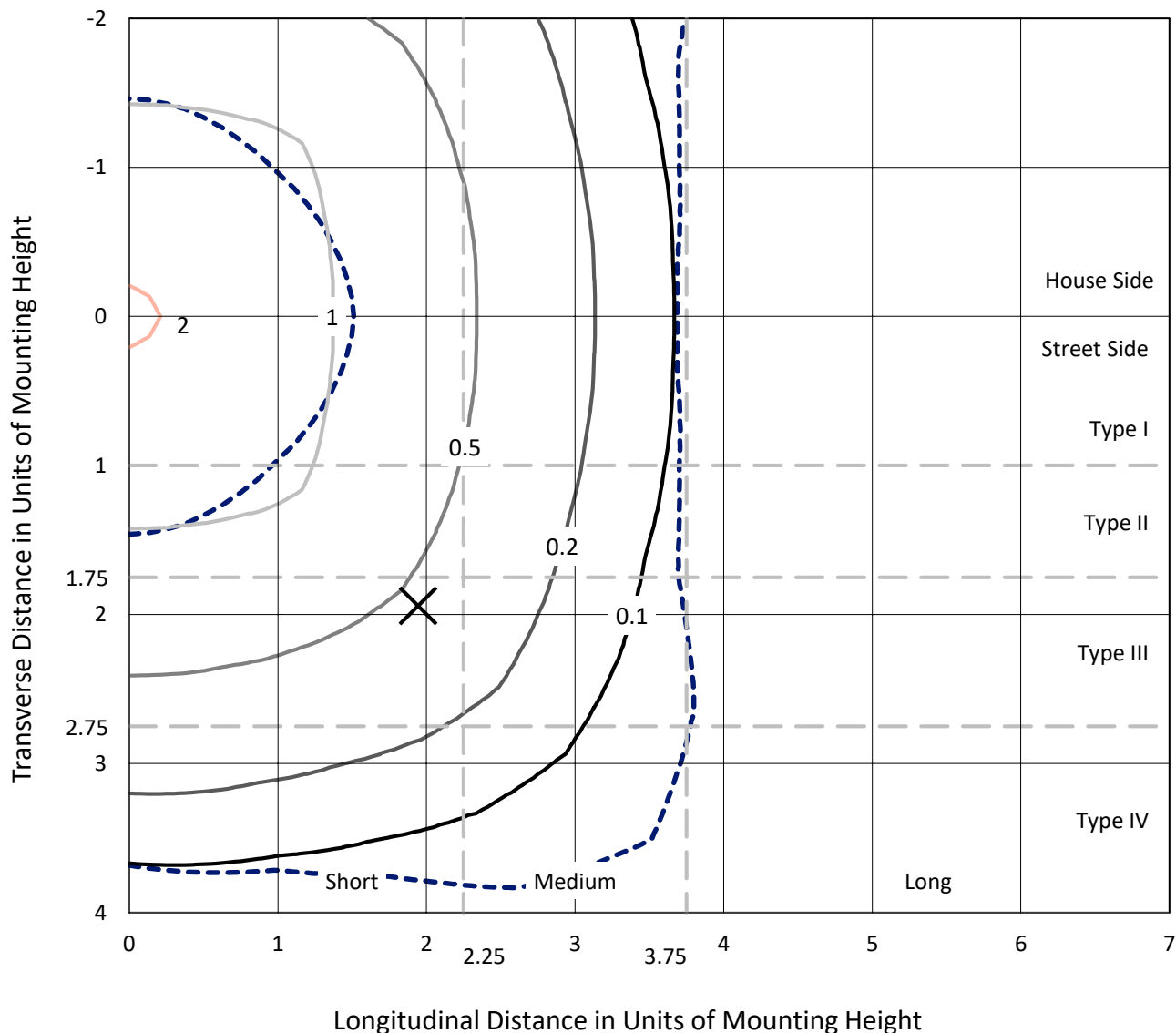
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

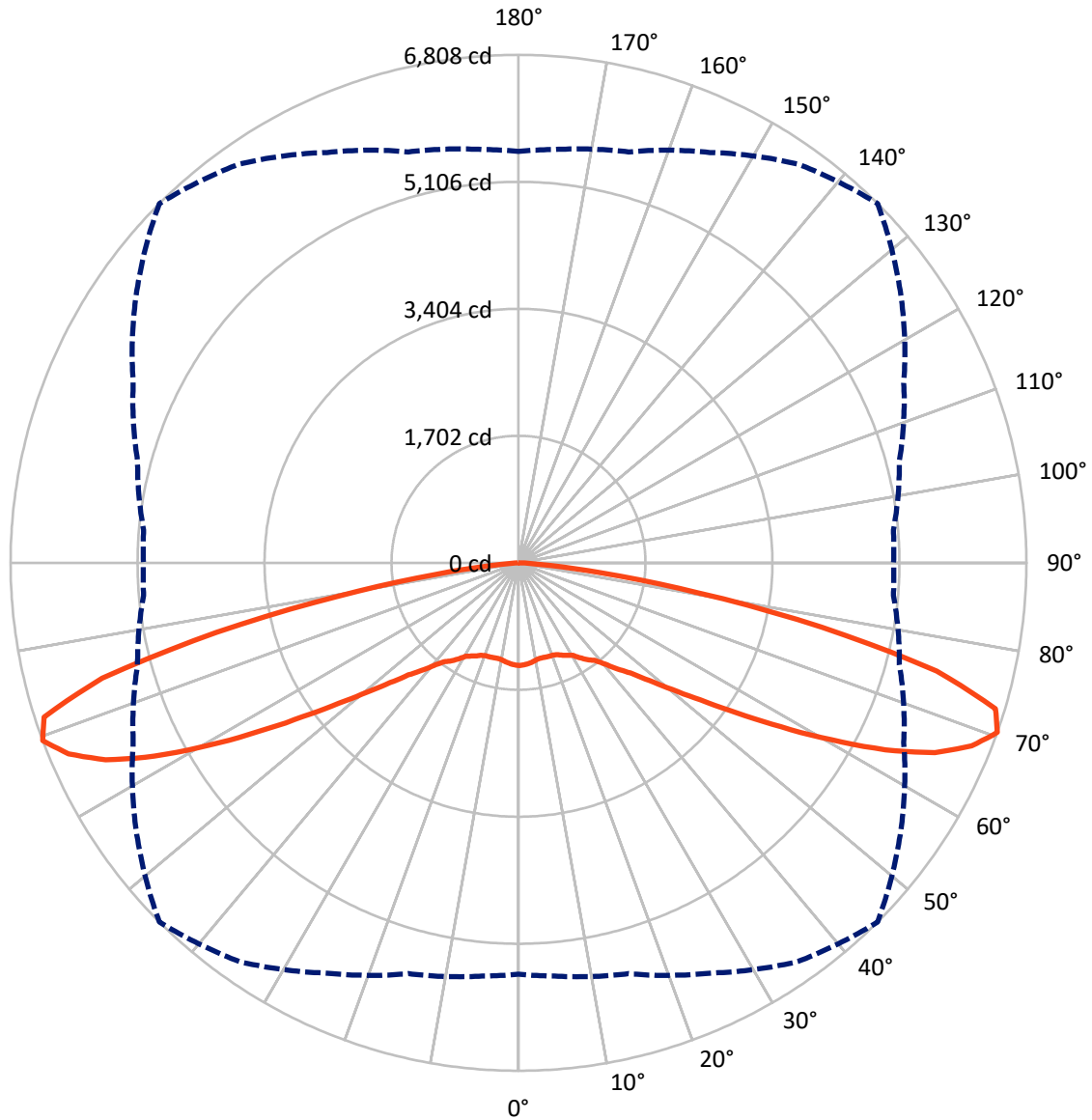
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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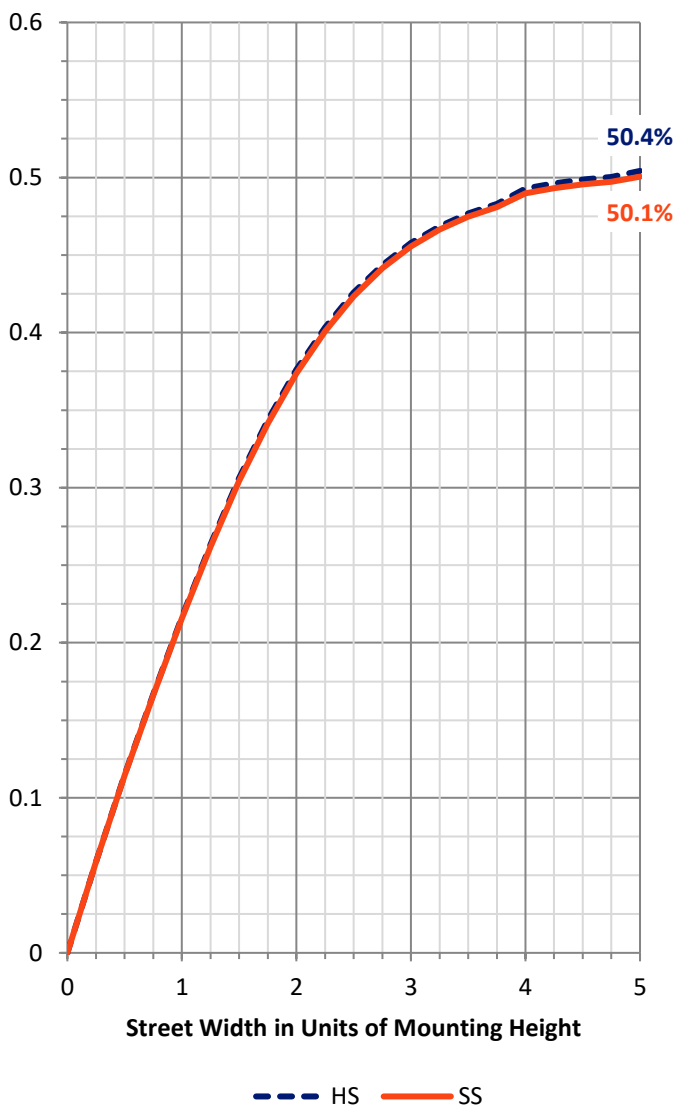
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8361.0	0.0	8361.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8361.0	0.0	8361.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16722.0	0.0	16722.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	0.8
10°-20°	375.2	2.2
20°-30°	639.7	3.8
30°-40°	999.6	6.0
40°-50°	1694.0	10.1
50°-60°	3089.2	18.5
60°-70°	5318.2	31.8
70°-80°	4168.6	24.9
80°-90°	309.1	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°	16722.0	100.0
0°-180°	16722.0	100.0

Coefficient of Utilization



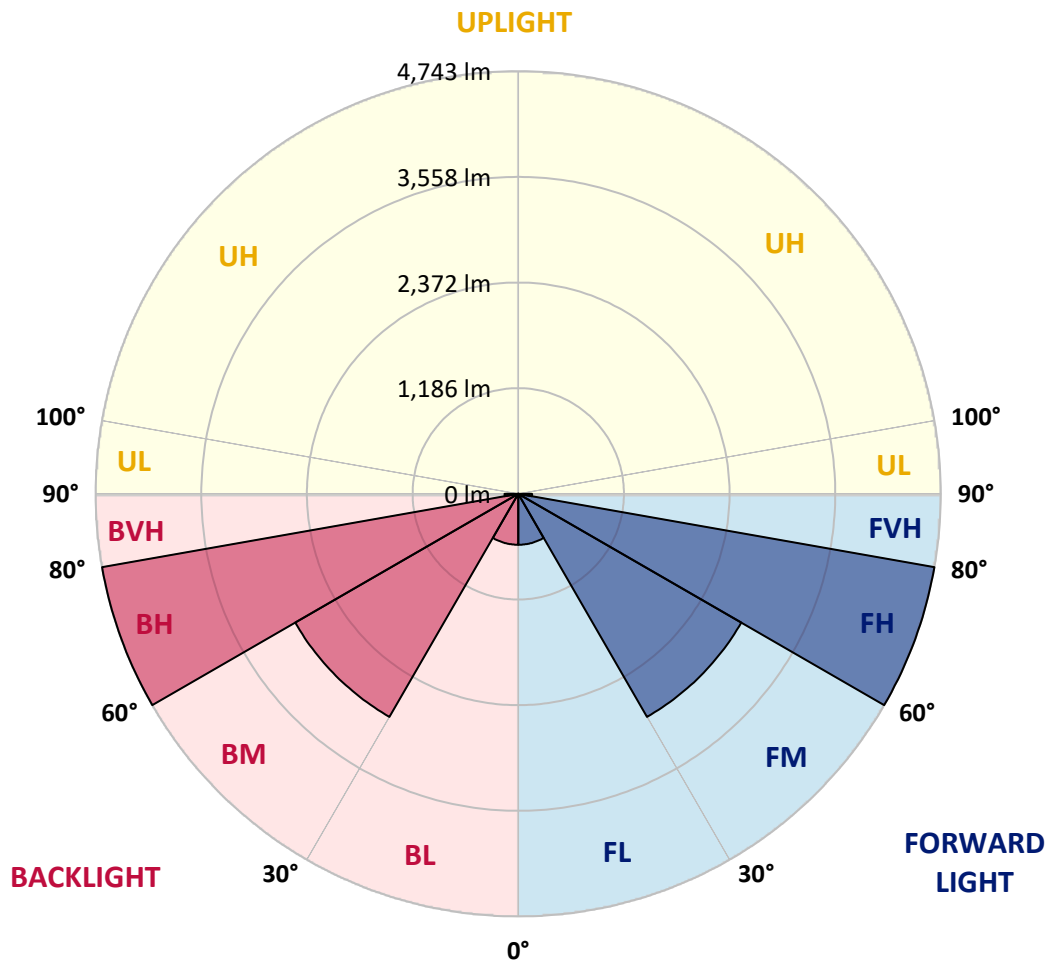
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 CATALOG NUMBER: GAN-SA2D-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.7	3.4			
FM (30°-60°)	2891.4	17.3			
FH (60°-80°)	4743.4	28.4			G2/5000
FVH (80°-90°)	154.5	0.9			G2/225
BL (0°-30°)	571.7	3.4	B2/1000		
BM (30°-60°)	2891.4	17.3	B3/5000		
BH (60°-80°)	4743.4	28.4	B4/5000		G2/5000
BVH (80°-90°)	154.5	0.9			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°	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2
2.5°	1370.1	1371.8	1370.1	1371.2	1368.5	1369.6	1369.6	1369.6	1369.0	1369.6	1368.5
5°	1358.0	1359.1	1356.9	1358.0	1356.3	1358.0	1358.5	1358.0	1356.9	1357.4	1355.2
7.5°	1339.7	1340.8	1339.2	1340.8	1338.6	1341.4	1340.8	1339.2	1337.5	1337.5	1335.3
10°	1329.8	1330.3	1325.9	1324.2	1319.2	1320.4	1322.0	1323.7	1325.3	1328.7	1328.1
12.5°	1330.3	1330.3	1323.7	1316.5	1309.3	1311.0	1313.7	1319.8	1326.4	1332.5	1333.1
15°	1335.8	1335.3	1325.3	1313.7	1308.7	1313.7	1315.4	1319.2	1329.8	1340.3	1340.8
17.5°	1339.7	1339.7	1324.2	1311.0	1310.4	1318.1	1317.6	1319.2	1330.9	1346.4	1346.9
20°	1346.9	1346.9	1327.0	1312.6	1312.6	1320.9	1321.5	1324.2	1335.8	1353.0	1355.8
22.5°	1362.9	1363.5	1342.5	1330.9	1332.0	1336.9	1338.6	1343.0	1353.5	1372.4	1375.7
25°	1385.6	1386.7	1365.2	1358.5	1362.4	1371.8	1370.7	1374.0	1385.6	1403.9	1407.2
27.5°	1417.2	1414.4	1394.5	1391.7	1395.6	1402.2	1401.7	1402.2	1411.6	1428.2	1432.1
30°	1458.1	1457.0	1442.6	1444.3	1442.6	1440.4	1440.9	1445.4	1450.3	1463.6	1467.5
32.5°	1497.9	1499.0	1490.2	1498.5	1510.6	1518.9	1506.2	1494.0	1488.5	1495.7	1499.0
35°	1569.8	1572.6	1558.8	1553.2	1569.8	1594.2	1558.2	1538.3	1549.4	1558.8	1561.5
37.5°	1692.1	1693.7	1670.5	1648.4	1636.2	1659.4	1623.5	1625.1	1663.9	1681.6	1681.0
40°	1831.5	1832.0	1816.5	1797.2	1776.1	1781.7	1767.3	1771.7	1797.2	1813.2	1817.6
42.5°	1997.4	1995.7	1971.4	1943.7	1937.7	1943.2	1918.9	1915.5	1944.9	1973.6	1974.2
45°	2212.6	2208.7	2177.2	2146.8	2117.4	2105.3	2099.2	2115.2	2155.6	2182.2	2182.7
47.5°	2444.3	2433.8	2417.2	2392.9	2367.5	2355.3	2345.3	2353.1	2382.4	2392.9	2394.0
50°	2682.7	2685.0	2688.3	2678.9	2669.5	2665.6	2639.6	2624.7	2633.5	2614.2	2611.4
52.5°	2965.4	2969.8	3001.9	3029.0	3045.1	3053.4	3004.1	2952.7	2923.9	2886.3	2875.2
55°	3299.0	3306.1	3353.2	3428.4	3505.8	3546.8	3457.7	3361.5	3272.4	3202.2	3179.5
57.5°	3670.7	3683.4	3748.1	3892.5	4051.2	4148.0	3997.6	3822.8	3650.8	3549.5	3531.8
60°	4106.5	4118.7	4208.3	4415.2	4672.4	4817.9	4590.0	4304.0	4089.9	3993.1	3960.5
62.5°	4625.4	4626.5	4736.6	4978.3	5317.9	5520.4	5211.7	4829.5	4608.8	4492.1	4460.6
65°	5183.5	5186.3	5300.2	5561.3	5912.6	6132.7	5784.2	5386.0	5116.0	4944.0	4919.7
67.5°	5577.9	5589.5	5709.6	6023.7	6352.3	6550.9	6190.2	5740.0	5428.0	5222.8	5202.3
70°	5514.8	5560.2	5701.3	6068.0	6524.9	6808.1	6256.1	5697.9	5286.4	5044.1	5027.0
72.5°	4809.6	4896.4	5084.5	5565.7	6296.4	6686.4	5897.1	5103.3	4637.6	4431.2	4400.3
75°	3275.2	3416.2	3700.0	4394.2	5379.3	5789.2	4964.5	4068.9	3630.8	3345.4	3324.4
77.5°	1460.3	1492.4	1851.9	2651.2	3712.2	4157.4	3607.1	2661.7	1998.0	1593.6	1508.4
80°	407.1	412.1	549.8	987.4	1858.0	2442.7	1994.6	1037.1	583.0	411.0	387.2
82.5°	129.4	140.5	171.5	256.1	624.5	1114.6	641.1	276.6	196.9	157.1	141.6
85°	63.1	62.5	86.8	104.0	159.3	246.7	169.8	128.3	112.3	74.7	67.5
87.5°	26.6	27.1	40.4	36.5	46.5	39.8	54.8	57.5	60.3	33.2	28.8
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)