

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: P316775

Luminaire Tested: **GAN-SA1D-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7631 lumens
Efficiency: N/A
Efficacy: 113.9 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

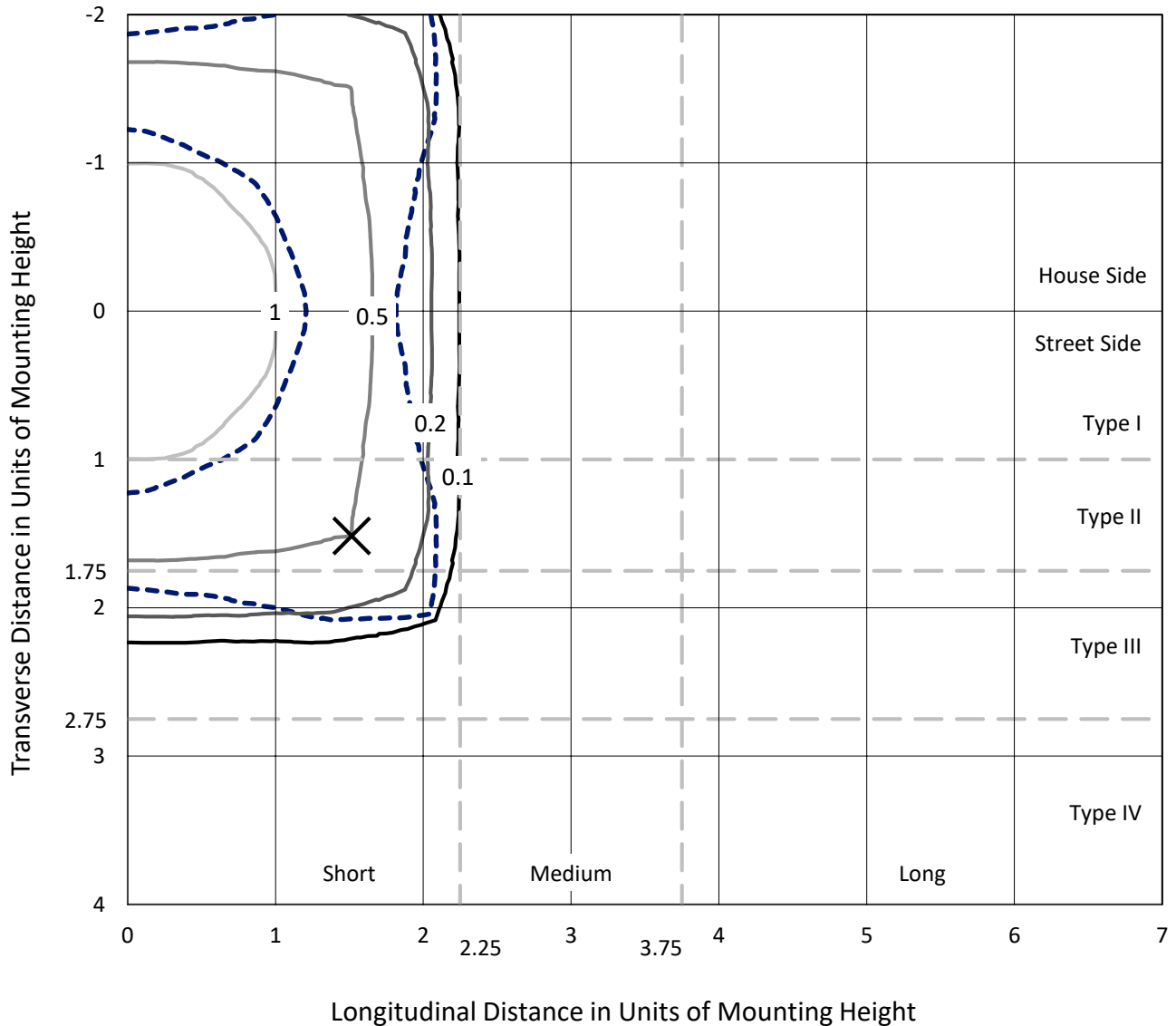
Input Watts (W): 67
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

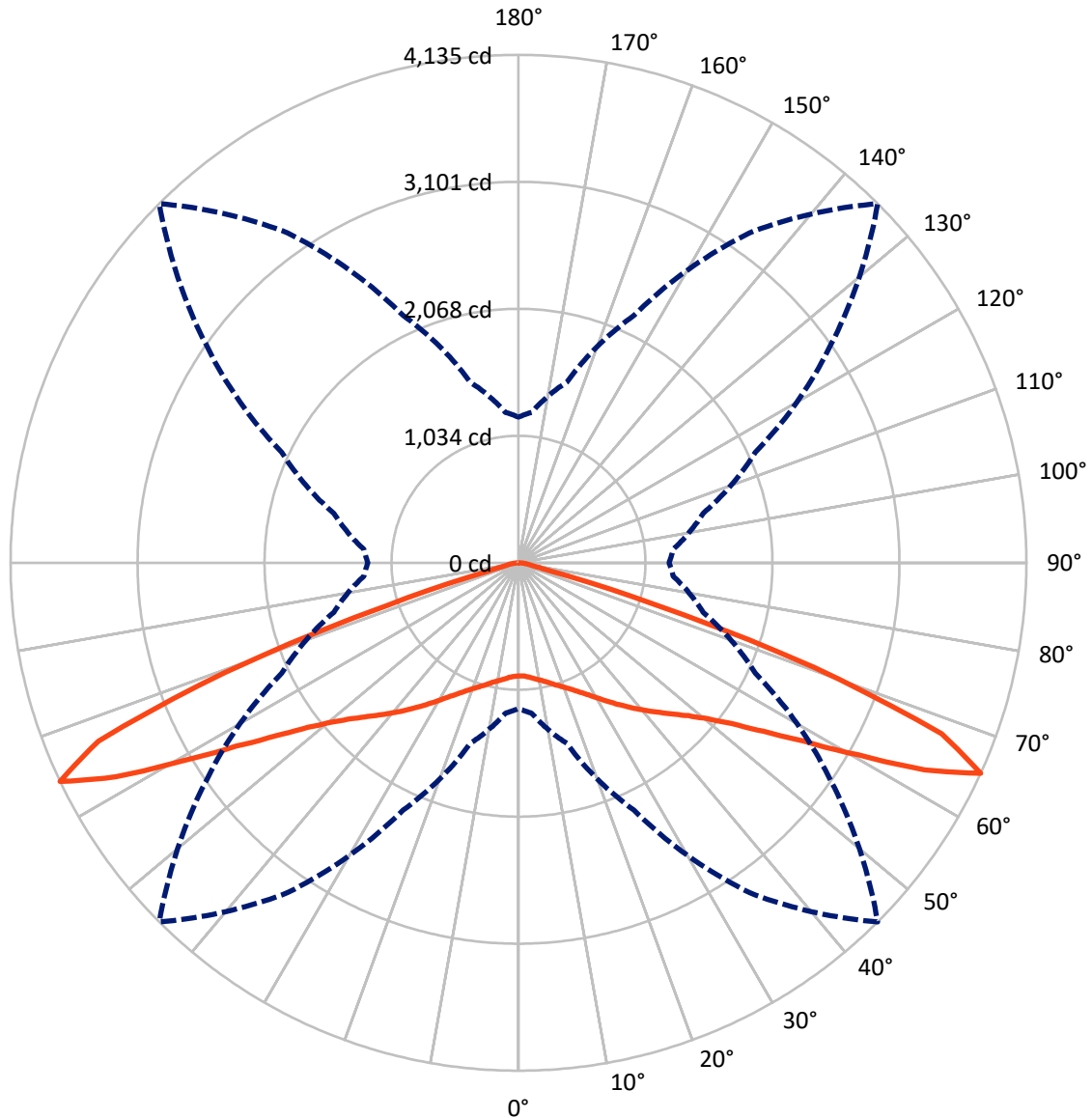
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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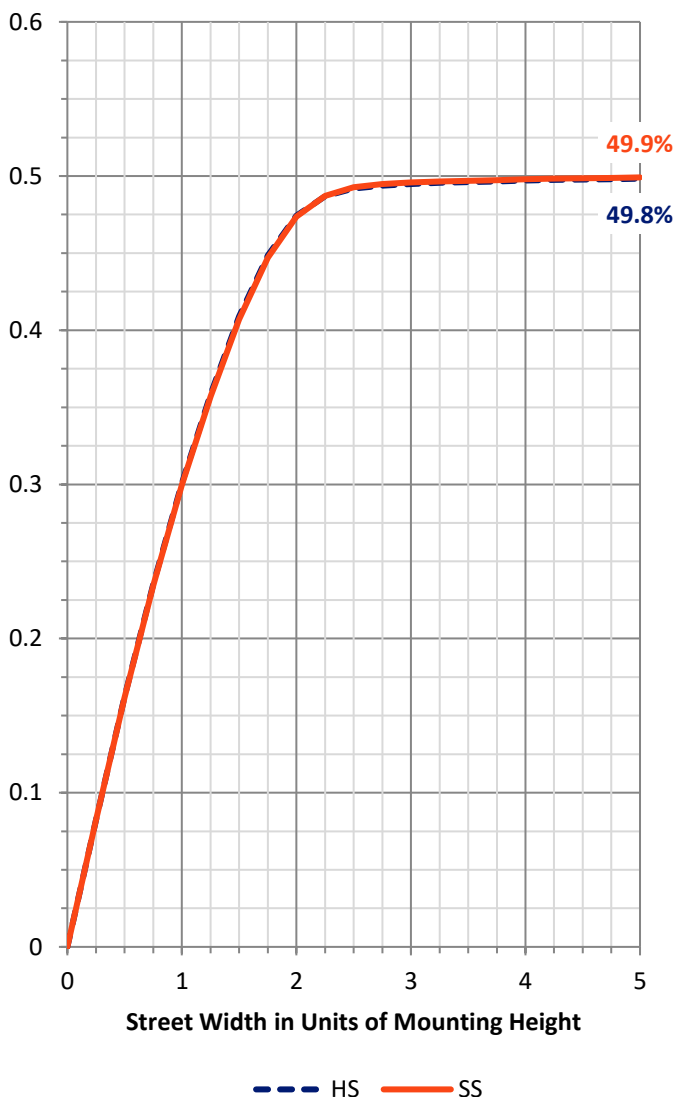
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3815.5	0.0	3815.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3815.5	0.0	3815.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7631.0	0.0	7631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	1.2
10°-20°	290.6	3.8
20°-30°	545.3	7.1
30°-40°	901.7	11.8
40°-50°	1396.7	18.3
50°-60°	2142.1	28.1
60°-70°	1998.8	26.2
70°-80°	232.6	3.0
80°-90°	32.7	0.4
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°	7631.0	100.0
0°-180°	7631.0	100.0

Coefficient of Utilization



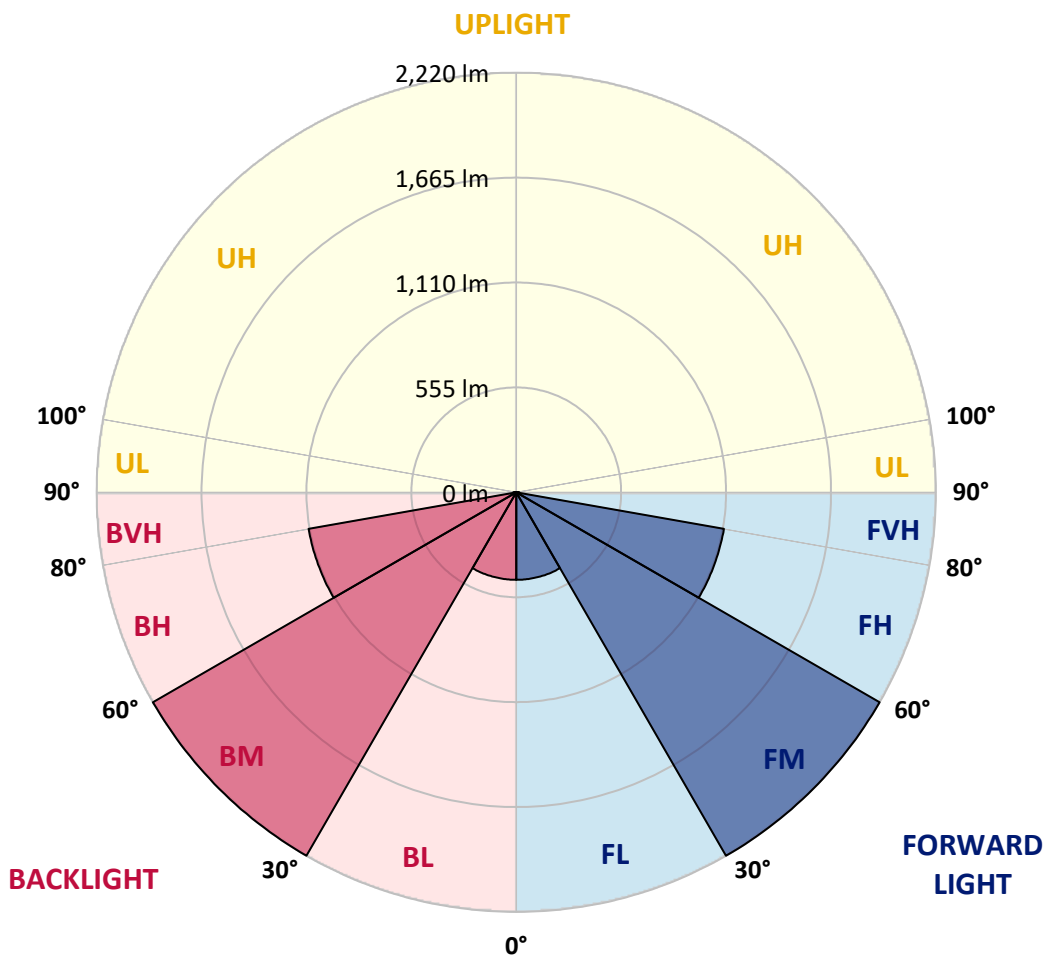
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.1	6.1			
FM (30°-60°)	2220.3	29.1			
FH (60°-80°)	1115.7	14.6			G1/1800
FVH (80°-90°)	16.3	0.2			G1/100
BL (0°-30°)	463.1	6.1	B1/500		
BM (30°-60°)	2220.3	29.1	B2/2500		
BH (60°-80°)	1115.7	14.6	B3/2500		G1/1800
BVH (80°-90°)	16.3	0.2			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°	921.5	921.5	921.5	921.5	921.5	921.5	921.5	921.5	921.5	921.5	921.5
2.5°	924.6	924.1	924.6	924.8	923.3	924.1	923.8	925.1	925.6	925.1	925.1
5°	935.2	934.5	935.5	936.7	934.7	935.2	934.5	936.0	936.5	935.5	936.2
7.5°	949.9	950.2	951.2	953.5	952.2	953.2	951.7	951.9	951.7	950.2	950.4
10°	965.9	966.1	967.9	970.9	971.4	971.4	970.4	969.7	968.7	967.6	967.9
12.5°	985.1	986.4	987.7	991.5	991.5	993.5	993.0	990.9	989.2	987.7	987.7
15°	1011.2	1011.0	1012.5	1016.3	1018.1	1021.3	1021.3	1018.6	1016.3	1014.8	1014.3
17.5°	1038.6	1039.3	1040.3	1044.9	1047.7	1051.5	1052.0	1049.7	1048.2	1046.2	1044.9
20°	1070.5	1071.8	1075.8	1077.6	1080.1	1083.7	1084.9	1084.4	1082.9	1081.9	1082.1
22.5°	1107.7	1111.0	1113.5	1116.1	1119.1	1121.7	1122.9	1124.7	1123.2	1122.4	1121.9
25°	1152.8	1155.1	1160.2	1164.7	1166.7	1167.5	1169.0	1171.6	1171.3	1169.5	1169.5
27.5°	1204.0	1208.3	1214.6	1221.2	1221.2	1218.7	1223.7	1228.0	1226.5	1224.2	1221.2
30°	1266.0	1270.1	1277.4	1286.6	1282.0	1280.2	1287.1	1294.9	1292.6	1288.8	1288.3
32.5°	1332.9	1336.7	1346.3	1356.2	1350.4	1347.9	1355.2	1366.6	1362.6	1355.0	1350.4
35°	1405.4	1409.2	1422.8	1434.7	1424.9	1420.6	1426.6	1439.1	1432.0	1417.8	1414.2
37.5°	1484.1	1486.2	1503.9	1516.1	1509.2	1497.8	1505.4	1514.5	1508.5	1491.2	1484.4
40°	1566.0	1573.3	1593.8	1608.0	1596.1	1578.1	1590.8	1603.4	1594.3	1572.3	1560.6
42.5°	1661.5	1667.0	1694.4	1707.1	1687.8	1662.5	1679.7	1696.9	1687.8	1666.5	1656.4
45°	1760.8	1769.4	1802.0	1814.7	1786.8	1754.7	1775.7	1805.8	1805.1	1774.4	1763.8
47.5°	1868.9	1877.5	1916.5	1933.3	1903.1	1860.1	1889.7	1932.2	1929.2	1895.5	1886.9
50°	1993.8	2002.9	2051.6	2072.6	2044.5	1994.3	2038.9	2076.4	2070.8	2029.3	2030.0
52.5°	2150.6	2150.1	2210.6	2247.1	2218.2	2173.9	2214.9	2251.4	2228.4	2170.9	2169.1
55°	2287.9	2296.3	2371.2	2440.4	2438.6	2421.6	2438.1	2439.6	2373.8	2297.3	2287.9
57.5°	2378.1	2394.0	2499.7	2624.8	2718.5	2741.1	2709.1	2612.4	2458.1	2335.8	2320.8
60°	2322.6	2346.9	2512.8	2767.9	3044.0	3176.5	2996.4	2696.2	2392.5	2222.0	2201.8
62.5°	1948.2	1989.2	2232.2	2698.8	3324.2	3711.5	3204.6	2561.7	2131.6	1896.8	1862.1
65°	1186.5	1229.8	1522.6	2221.3	3278.8	4135.0	3109.6	2126.3	1555.8	1263.8	1226.3
67.5°	395.4	408.1	580.6	1227.8	2576.9	3715.3	2581.2	1272.9	677.1	448.9	435.7
70°	154.8	156.0	184.2	355.9	1216.9	2551.8	1342.8	362.2	192.5	152.2	155.5
72.5°	113.7	114.2	122.1	148.7	317.1	1124.2	328.5	149.5	118.8	106.6	106.6
75°	91.4	91.4	97.0	108.4	142.1	257.9	144.1	107.1	93.0	85.1	84.1
77.5°	72.2	73.7	78.0	85.4	96.3	124.1	99.8	84.9	75.0	67.6	66.1
80°	53.7	55.2	62.3	65.9	69.2	86.1	73.7	66.4	59.3	50.7	49.1
82.5°	35.2	36.7	45.6	47.6	46.9	56.2	49.6	48.9	43.6	32.7	31.2
85°	23.1	23.6	30.4	31.7	29.1	25.6	31.7	33.4	30.4	21.3	20.5
87.5°	10.9	10.9	15.5	14.4	13.2	10.6	14.4	17.0	17.2	10.4	10.1
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)