

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: P316845

Luminaire Tested: **GAN-SA1C-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316845
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-SA1C-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7639 lumens
Efficiency: N/A
Efficacy: 129.5 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

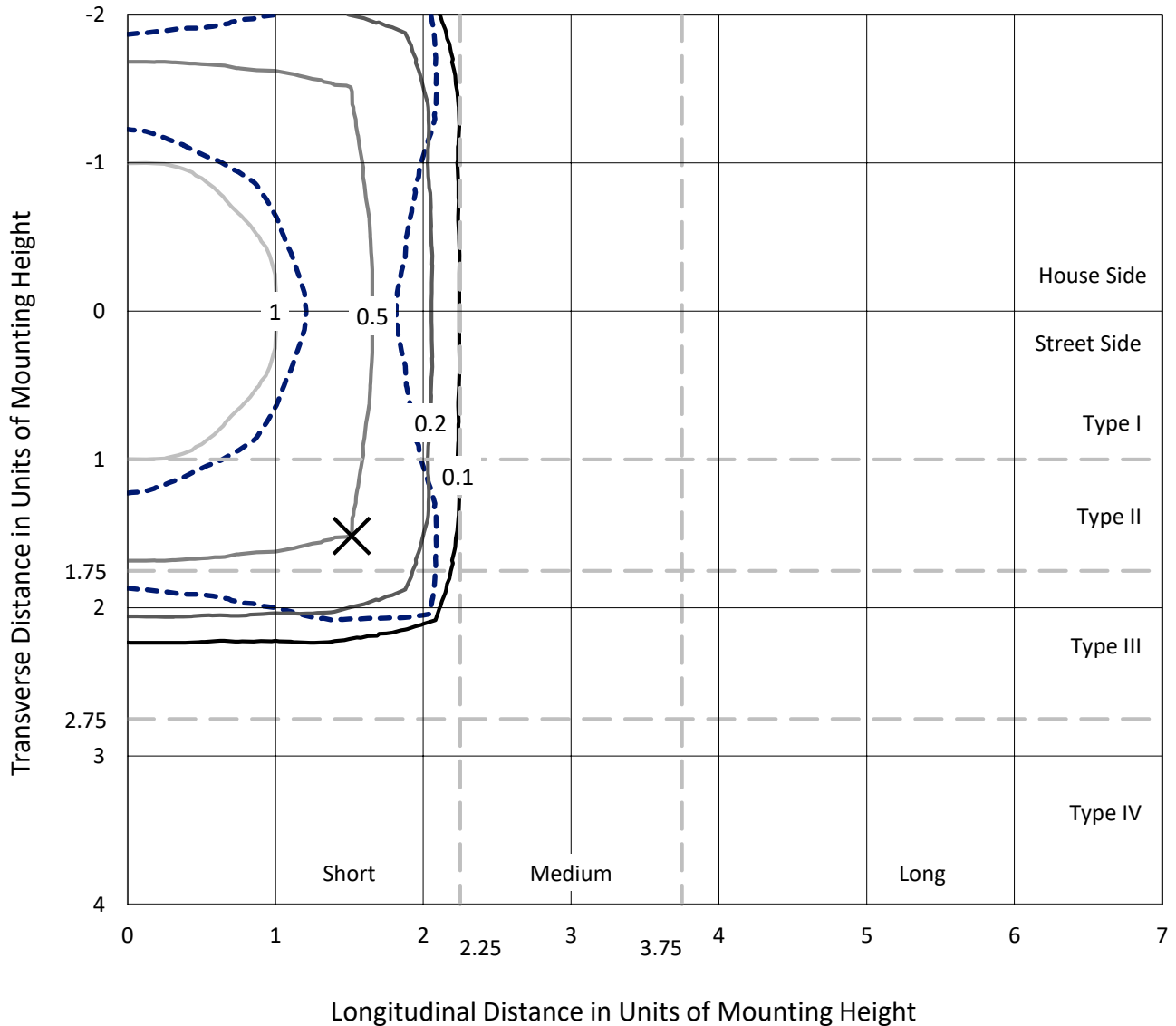
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

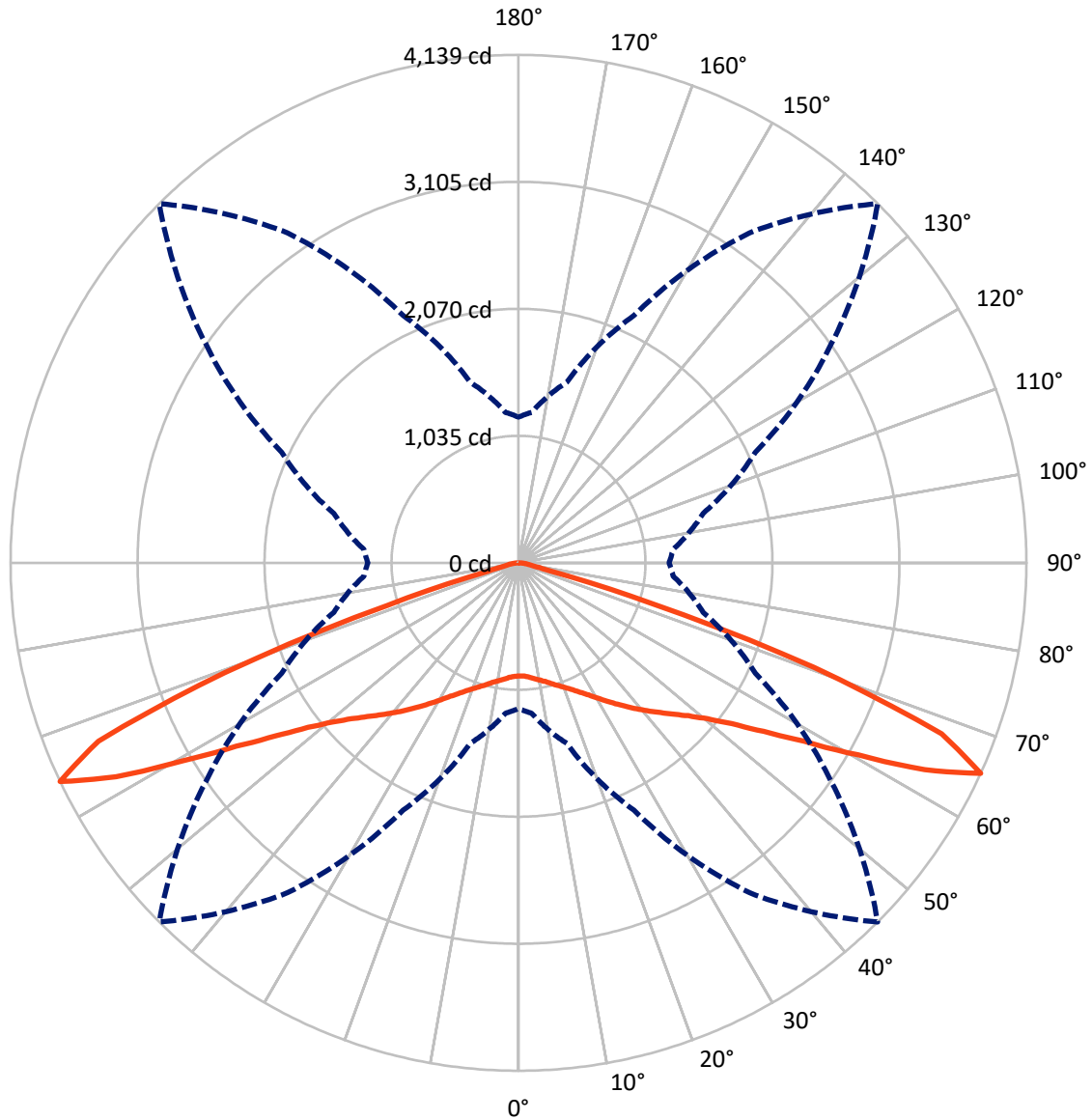
✕ Max cd
 - - - 1/2 Max cd



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



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3819.5	0.0	3819.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3819.5	0.0	3819.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7639.0	0.0	7639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	1.2
10°-20°	290.9	3.8
20°-30°	545.8	7.1
30°-40°	902.7	11.8
40°-50°	1398.1	18.3
50°-60°	2144.4	28.1
60°-70°	2000.9	26.2
70°-80°	232.9	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°	7639.0	100.0
0°-180°	7639.0	100.0

Coefficient of Utilization



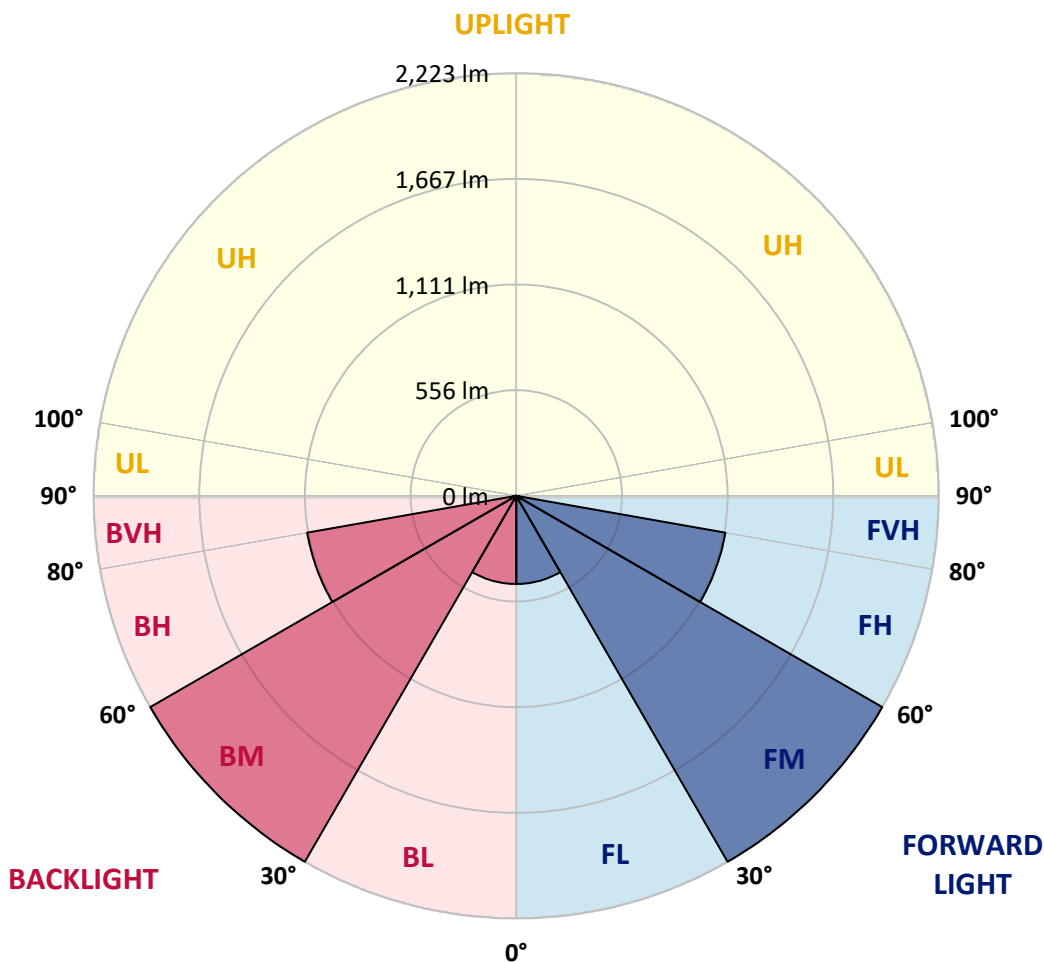
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.6	6.1			
FM (30°-60°)	2222.6	29.1			
FH (60°-80°)	1116.9	14.6			G1/1800
FVH (80°-90°)	16.4	0.2			G1/100
BL (0°-30°)	463.6	6.1	B1/500		
BM (30°-60°)	2222.6	29.1	B2/2500		
BH (60°-80°)	1116.9	14.6	B3/2500		G1/1800
BVH (80°-90°)	16.4	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°	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5
2.5°	925.5	925.0	925.5	925.8	924.3	925.0	924.8	926.1	926.6	926.1	926.1
5°	936.2	935.4	936.5	937.7	935.7	936.2	935.4	937.0	937.5	936.5	937.2
7.5°	950.9	951.2	952.2	954.5	953.2	954.2	952.7	952.9	952.7	951.2	951.4
10°	966.9	967.1	968.9	972.0	972.5	972.5	971.4	970.7	969.7	968.7	968.9
12.5°	986.2	987.4	988.7	992.5	992.5	994.5	994.0	992.0	990.2	988.7	988.7
15°	1012.3	1012.0	1013.5	1017.3	1019.1	1022.4	1022.4	1019.6	1017.3	1015.8	1015.3
17.5°	1039.7	1040.4	1041.4	1046.0	1048.8	1052.6	1053.1	1050.8	1049.3	1047.3	1046.0
20°	1071.6	1072.9	1076.9	1078.7	1081.2	1084.8	1086.1	1085.6	1084.0	1083.0	1083.3
22.5°	1108.9	1112.2	1114.7	1117.3	1120.3	1122.8	1124.1	1125.9	1124.4	1123.6	1123.1
25°	1154.0	1156.3	1161.4	1165.9	1168.0	1168.7	1170.2	1172.8	1172.5	1170.8	1170.8
27.5°	1205.2	1209.6	1215.9	1222.5	1222.5	1219.9	1225.0	1229.3	1227.8	1225.5	1222.5
30°	1267.4	1271.4	1278.8	1287.9	1283.3	1281.6	1288.4	1296.3	1294.0	1290.2	1289.7
32.5°	1334.3	1338.1	1347.8	1357.6	1351.8	1349.3	1356.6	1368.0	1364.0	1356.4	1351.8
35°	1406.8	1410.6	1424.3	1436.2	1426.4	1422.0	1428.1	1440.6	1433.5	1419.3	1415.7
37.5°	1485.7	1487.7	1505.5	1517.6	1510.8	1499.4	1507.0	1516.1	1510.0	1492.8	1485.9
40°	1567.6	1575.0	1595.5	1609.7	1597.8	1579.8	1592.5	1605.1	1596.0	1573.9	1562.3
42.5°	1663.2	1668.8	1696.2	1708.8	1689.6	1664.2	1681.5	1698.7	1689.6	1668.3	1658.1
45°	1762.6	1771.2	1803.9	1816.6	1788.7	1756.5	1777.6	1807.7	1807.0	1776.3	1765.6
47.5°	1870.9	1879.5	1918.5	1935.3	1905.1	1862.0	1891.7	1934.3	1931.2	1897.5	1888.9
50°	1995.9	2005.0	2053.7	2074.8	2046.6	1996.4	2041.0	2078.6	2073.0	2031.4	2032.2
52.5°	2152.9	2152.3	2212.9	2249.5	2220.6	2176.2	2217.3	2253.8	2230.7	2173.1	2171.4
55°	2290.3	2298.7	2373.7	2442.9	2441.2	2424.2	2440.7	2442.2	2376.3	2299.7	2290.3
57.5°	2380.6	2396.5	2502.3	2627.5	2721.4	2743.9	2712.0	2615.1	2460.7	2338.2	2323.3
60°	2325.0	2349.4	2515.5	2770.8	3047.2	3179.8	2999.5	2699.1	2395.0	2224.4	2204.1
62.5°	1950.2	1991.3	2234.5	2701.6	3327.7	3715.4	3208.0	2564.4	2133.8	1898.8	1864.0
65°	1187.7	1231.1	1524.2	2223.6	3282.3	4139.4	3112.9	2128.5	1557.5	1265.1	1227.6
67.5°	395.8	408.5	581.2	1229.1	2579.6	3719.2	2583.9	1274.2	677.8	449.3	436.1
70°	154.9	156.2	184.3	356.3	1218.2	2554.5	1344.2	362.6	192.7	152.4	155.7
72.5°	113.9	114.4	122.2	148.8	317.5	1125.4	328.9	149.6	118.9	106.8	106.8
75°	91.5	91.5	97.1	108.5	142.3	258.1	144.3	107.3	93.1	85.2	84.2
77.5°	72.3	73.8	78.1	85.5	96.4	124.3	99.9	84.9	75.1	67.7	66.2
80°	53.8	55.3	62.4	65.9	69.2	86.2	73.8	66.4	59.3	50.7	49.2
82.5°	35.2	36.8	45.6	47.7	46.9	56.3	49.7	48.9	43.6	32.7	31.2
85°	23.1	23.6	30.4	31.7	29.2	25.6	31.7	33.5	30.4	21.3	20.5
87.5°	10.9	10.9	15.5	14.5	13.2	10.7	14.5	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)