

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: P318957

Luminaire Tested: **GAN-SA3B-727-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-727-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14487 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

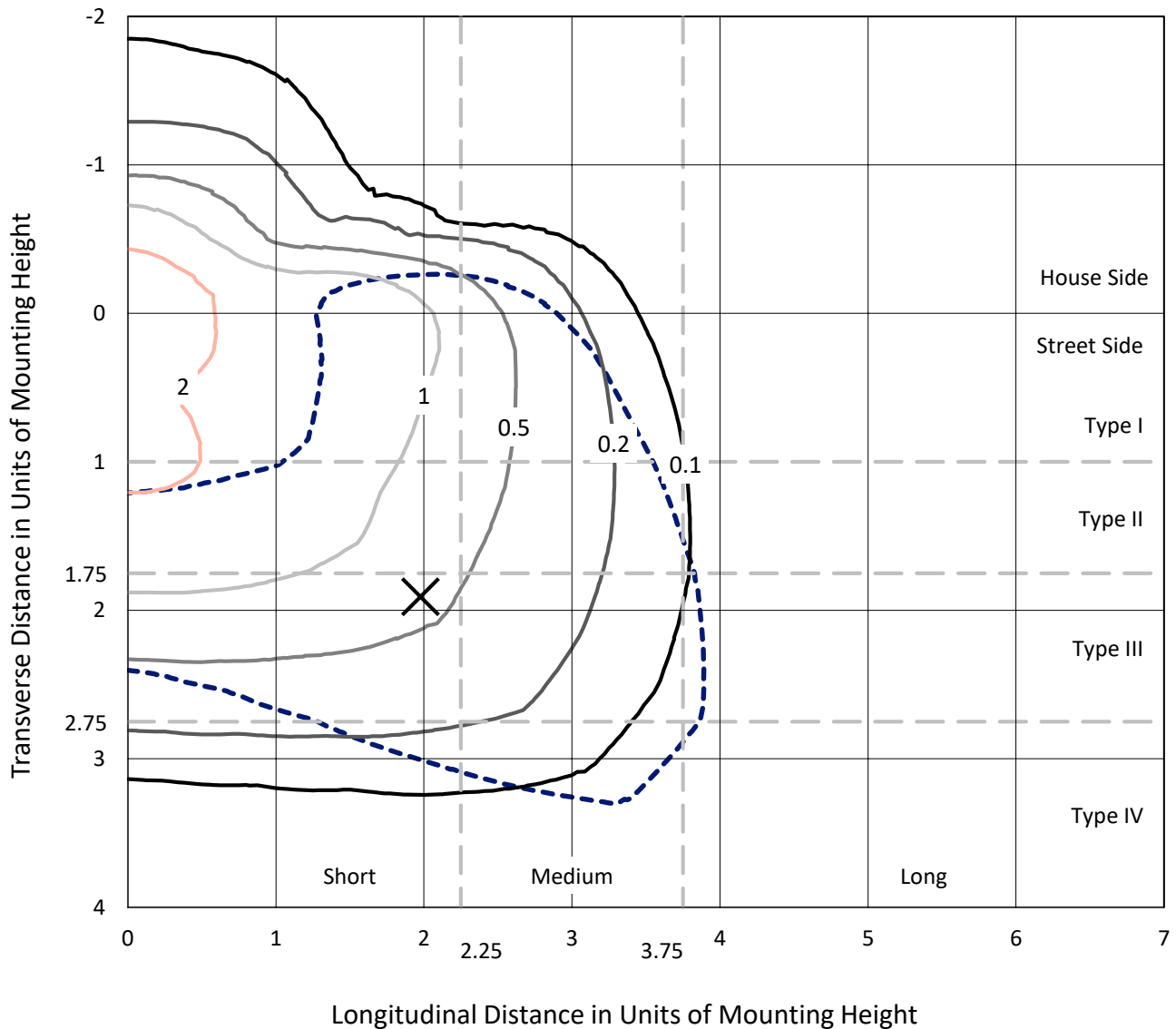
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318957
 CATALOG NUMBER: GAN-SA3B-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

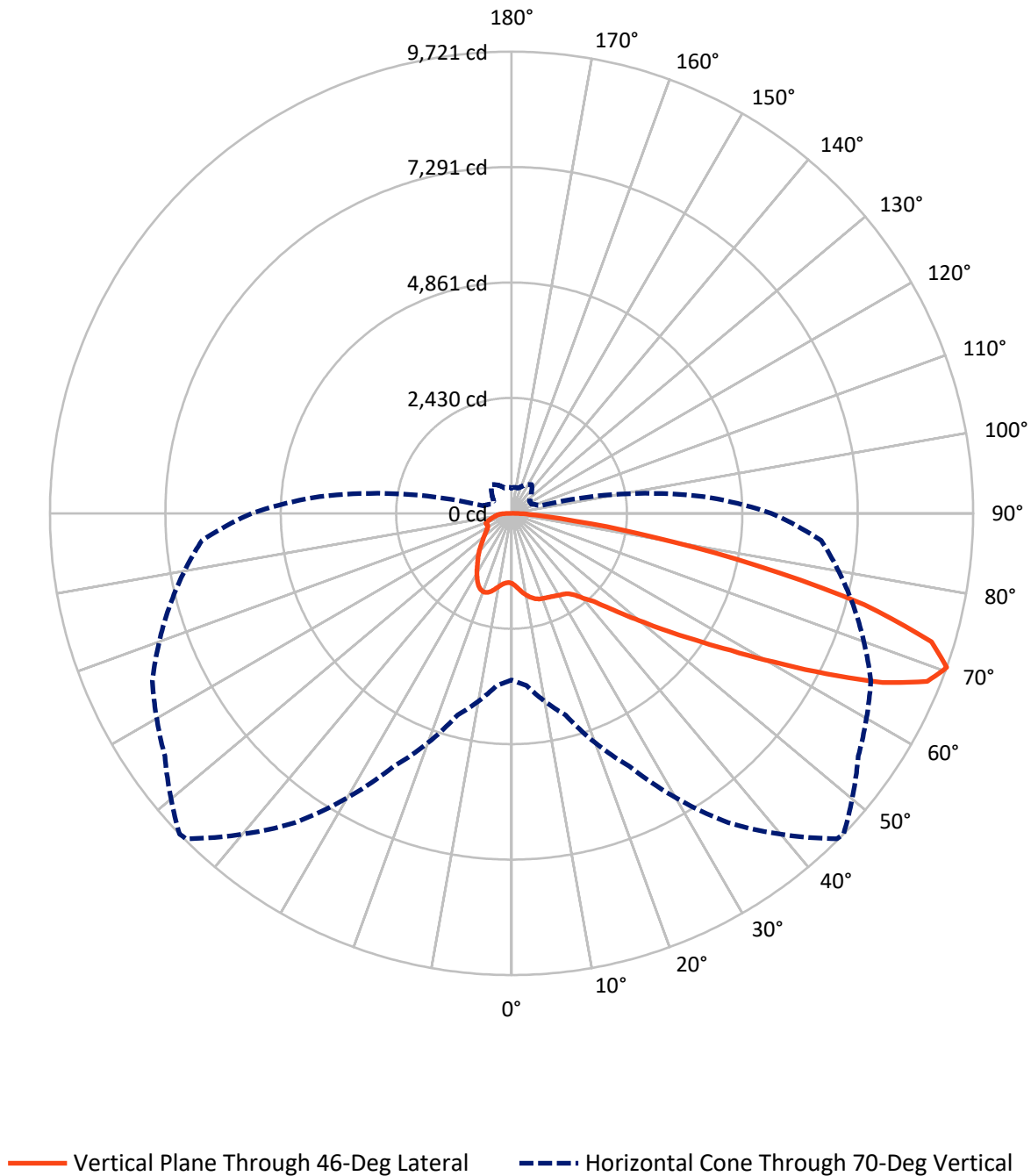
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

REPORT NUMBER: P318957
CATALOG NUMBER: GAN-SA3B-727-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P318957

CATALOG NUMBER: GAN-SA3B-727-U-T4W

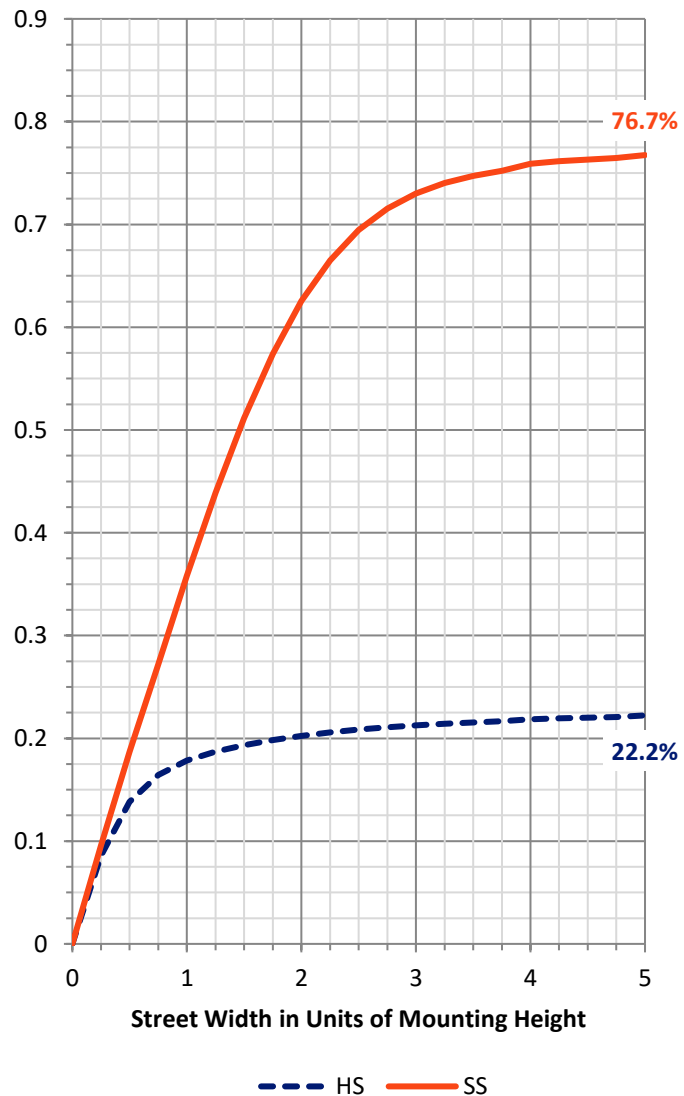
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3320.4	0.0	3320.4
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	11166.6	0.0	11166.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	14487.0	0.0	14487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	1.0
10°-20°	501.3	3.5
20°-30°	835.8	5.8
30°-40°	1186.1	8.2
40°-50°	1744.7	12.0
50°-60°	2954.7	20.4
60°-70°	4194.1	29.0
70°-80°	2548.0	17.6
80°-90°	371.8	2.6
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°	14487.0	100.0
0°-180°	14487.0	100.0

Coefficient of Utilization



REPORT NUMBER: P318957

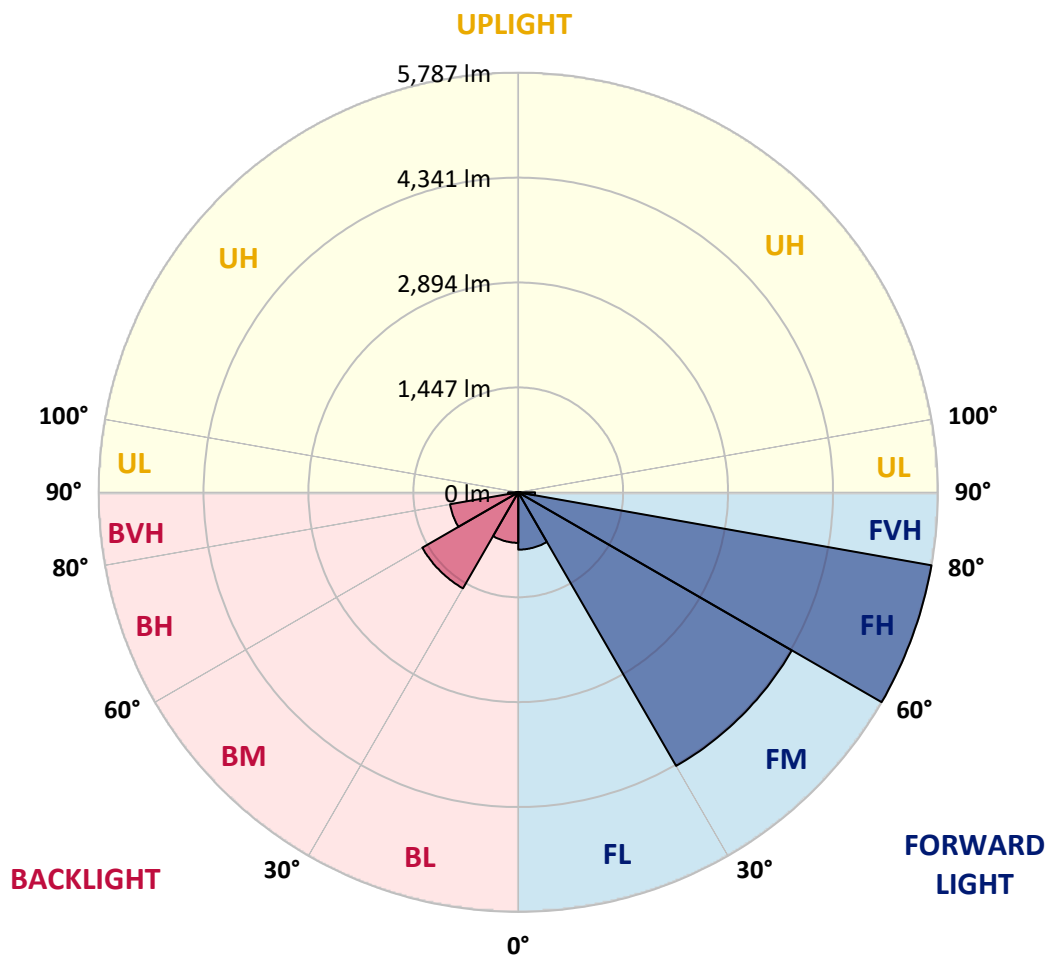
CATALOG NUMBER: GAN-SA3B-727-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	790.5	5.5			
FM	(30°-60°)	4357.0	30.1			
FH	(60°-80°)	5787.5	39.9			G3/7500
FVH	(80°-90°)	231.6	1.6			G3/500
BL	(0°-30°)	697.1	4.8	B2/1000		
BM	(30°-60°)	1528.5	10.6	B2/2500		
BH	(60°-80°)	954.6	6.6	B2/1000		G2/1000
BVH	(80°-90°)	140.2	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P318957

CATALOG NUMBER: GAN-SA3B-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1549.8	1550.8	1552.8	1547.8	1533.9	1530.0	1528.5	1514.1	1504.7	1490.8	1478.9
5°	1673.8	1674.8	1671.8	1657.9	1627.2	1604.3	1602.4	1569.6	1539.9	1508.2	1484.4
7.5°	1803.2	1804.6	1795.2	1768.9	1725.8	1686.2	1683.7	1639.1	1593.9	1545.8	1510.2
10°	1917.7	1911.7	1896.4	1859.7	1808.6	1760.0	1758.0	1711.4	1659.4	1601.4	1553.8
12.5°	1994.0	1989.1	1969.2	1924.6	1868.6	1824.0	1820.0	1776.9	1726.3	1662.9	1605.8
15°	2036.2	2039.6	2012.9	1962.3	1907.8	1870.1	1866.6	1835.9	1790.8	1726.8	1661.4
17.5°	2041.6	2044.6	2018.8	1968.7	1924.1	1898.3	1896.9	1876.5	1843.8	1782.3	1713.9
20°	2009.9	2011.9	1990.6	1949.4	1920.2	1912.2	1911.7	1902.8	1878.5	1824.0	1757.5
22.5°	1963.8	1965.3	1949.9	1920.2	1910.2	1922.6	1926.1	1922.6	1905.3	1854.2	1791.8
25°	1952.4	1951.4	1935.5	1905.3	1913.7	1940.0	1944.5	1945.9	1934.0	1889.4	1835.4
27.5°	2007.4	2003.9	1973.7	1925.1	1930.6	1962.3	1968.3	1982.6	1975.2	1936.0	1885.0
30°	2166.6	2160.6	2098.6	2000.5	1973.7	1990.1	1997.5	2020.3	2021.8	1989.1	1950.9
32.5°	2435.3	2427.8	2316.8	2141.3	2046.6	2018.3	2025.3	2059.5	2077.8	2052.5	2011.4
35°	2774.9	2766.5	2620.7	2380.7	2168.5	2072.4	2077.3	2104.6	2141.3	2105.6	2051.0
37.5°	3128.9	3108.6	2968.2	2662.3	2362.4	2187.9	2187.9	2191.4	2208.7	2134.3	2097.7
40°	3480.9	3460.6	3333.6	2993.5	2613.3	2369.8	2358.4	2281.6	2267.7	2203.7	2191.4
42.5°	3808.1	3802.1	3727.3	3367.8	2907.8	2548.8	2532.9	2402.6	2405.5	2365.9	2366.4
45°	4156.1	4156.1	4095.2	3745.6	3250.8	2836.4	2820.5	2628.6	2658.4	2640.0	2684.2
47.5°	4440.2	4449.1	4440.7	4139.3	3649.9	3201.8	3173.0	2942.0	3025.3	3088.2	3216.6
50°	4730.3	4744.1	4745.6	4571.1	4132.3	3636.1	3603.3	3357.9	3543.8	3724.3	3976.7
52.5°	5151.2	5182.4	5058.0	5001.9	4723.3	4151.7	4119.4	3892.9	4203.2	4456.6	4891.4
55°	5541.4	5514.1	5425.3	5460.0	5355.9	4738.7	4714.4	4515.6	4938.0	5267.2	5831.9
57.5°	5752.6	5750.6	5839.8	5988.5	6038.1	5462.5	5442.2	5248.8	5766.4	6013.8	6714.9
60°	6000.4	6003.9	6225.0	6562.7	6766.9	6363.9	6354.9	6208.2	6571.1	6710.9	7407.5
62.5°	6035.1	6097.6	6478.4	7059.4	7449.1	7416.9	7436.7	7072.3	7291.0	7267.2	7924.6
65°	5636.0	5718.3	6407.5	7209.7	8127.3	8568.6	8586.9	7941.4	7858.6	7742.6	8109.5
67.5°	4818.0	4940.0	5688.6	6882.9	8350.9	9419.8	9445.6	8615.2	8329.6	7903.7	7664.3
70°	3506.2	3641.5	4395.1	5878.5	7952.3	9692.0	9721.3	8913.2	8347.5	7445.2	6542.8
72.5°	2118.0	2224.1	2845.3	4327.7	6711.9	9196.3	9248.3	8535.4	7621.2	6306.3	4831.4
75°	930.1	999.5	1375.8	2493.8	4805.1	7608.8	7673.7	7305.8	6192.3	4583.0	2855.7
77.5°	396.1	416.0	564.2	1083.3	2716.4	5199.3	5288.5	5338.1	4201.3	2493.8	1206.7
80°	246.9	254.8	319.3	490.3	1271.2	2920.2	3016.3	3140.8	2086.2	916.7	421.4
82.5°	150.2	159.1	212.2	296.5	661.9	1323.7	1369.8	1457.6	809.6	396.1	218.1
85°	90.2	96.7	129.9	187.4	376.8	520.6	520.1	575.1	381.3	254.8	115.0
87.5°	43.1	48.1	69.4	97.2	189.9	195.3	182.9	207.2	231.5	167.1	58.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P318957

CATALOG NUMBER: GAN-SA3B-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1475.0	1473.0	1466.5	1461.6	1460.6	1457.6	1455.1	1456.6	1458.6	1459.1	1459.1
5°	1474.5	1469.0	1460.6	1457.1	1461.6	1467.5	1475.0	1484.9	1490.8	1495.3	1498.3
7.5°	1498.3	1487.8	1478.4	1476.4	1485.4	1501.2	1518.1	1538.9	1553.3	1563.2	1565.2
10°	1537.9	1525.0	1515.6	1517.6	1533.5	1556.3	1580.1	1606.8	1628.6	1642.0	1643.0
12.5°	1583.5	1571.1	1562.2	1570.6	1596.9	1624.7	1649.5	1672.8	1692.6	1706.0	1706.0
15°	1636.1	1627.2	1616.7	1636.1	1671.8	1696.6	1707.0	1718.4	1729.3	1739.2	1737.2
17.5°	1686.6	1678.2	1672.8	1695.6	1732.8	1744.2	1737.2	1728.8	1728.8	1734.2	1735.2
20°	1730.3	1722.8	1726.3	1748.6	1768.0	1756.1	1730.3	1703.5	1692.6	1695.6	1698.5
22.5°	1768.5	1765.0	1775.4	1785.8	1771.9	1730.3	1682.7	1646.5	1633.1	1632.1	1633.1
25°	1813.1	1812.6	1825.5	1806.6	1745.2	1668.3	1604.3	1569.1	1561.7	1567.7	1577.6
27.5°	1868.6	1874.1	1880.5	1811.6	1690.6	1574.6	1509.7	1485.4	1492.8	1507.2	1516.6
30°	1939.5	1954.4	1940.5	1799.2	1612.3	1467.5	1405.5	1398.6	1418.9	1439.3	1449.2
32.5°	2008.4	2031.7	1998.0	1767.0	1511.1	1354.0	1305.9	1303.9	1328.7	1348.5	1362.4
35°	2063.9	2110.0	2041.1	1703.0	1394.1	1249.4	1214.2	1200.8	1209.7	1233.0	1248.9
37.5°	2136.3	2213.2	2070.9	1605.3	1267.2	1163.1	1122.0	1091.2	1083.3	1092.7	1100.6
40°	2268.7	2370.3	2084.8	1469.0	1143.3	1076.8	1035.2	990.1	958.8	936.0	936.5
42.5°	2484.9	2575.1	2075.8	1303.4	1028.7	992.6	945.5	893.4	842.8	791.3	787.3
45°	2835.9	2879.5	2049.1	1127.9	928.1	904.3	860.2	808.1	740.7	682.2	676.7
47.5°	3397.6	3300.9	2007.4	974.7	839.4	829.4	788.8	728.8	657.4	610.3	606.3
50°	4163.6	3909.2	1987.1	852.7	761.0	764.0	730.8	667.3	599.9	565.2	561.2
52.5°	5079.8	4617.7	2026.3	758.5	698.1	708.5	683.7	624.2	567.7	540.4	536.4
55°	6030.2	5351.5	2068.4	690.1	638.6	658.9	650.5	601.4	550.3	525.0	521.6
57.5°	6843.8	5899.3	1984.1	634.6	585.5	617.2	624.7	587.0	541.4	518.6	514.6
60°	7355.9	6119.9	1763.0	582.5	543.4	584.0	609.8	583.0	544.9	542.9	539.9
62.5°	7598.8	6100.6	1431.3	541.4	517.1	569.7	620.7	605.3	584.5	602.4	603.9
65°	7489.8	5809.1	1065.9	514.1	498.3	575.1	653.4	647.5	595.9	613.8	616.3
67.5°	6771.9	5113.5	789.3	490.3	477.4	590.5	712.9	661.4	573.6	586.5	578.6
70°	5473.4	4054.0	608.8	463.6	456.1	588.5	739.7	652.9	549.3	552.3	531.0
72.5°	3774.4	2764.5	495.3	438.8	425.4	536.4	720.9	632.1	529.0	506.2	477.9
75°	2052.5	1483.9	420.9	413.0	371.3	471.0	686.2	617.2	510.7	480.4	464.5
77.5°	807.6	615.8	365.4	377.8	324.7	416.0	647.5	589.0	485.4	445.7	437.8
80°	329.7	314.3	302.9	326.7	279.1	363.9	600.9	555.8	455.1	413.5	397.6
82.5°	186.9	195.3	235.5	257.8	226.6	335.1	578.6	529.0	418.9	370.3	351.5
85°	95.7	114.5	164.1	184.9	166.6	285.1	533.0	463.1	336.1	283.6	285.1
87.5°	46.1	64.0	103.6	116.0	108.1	206.2	398.1	335.6	261.8	207.2	200.8
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)