

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: P324125

Luminaire Tested: **GAN-SA1C-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5001 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

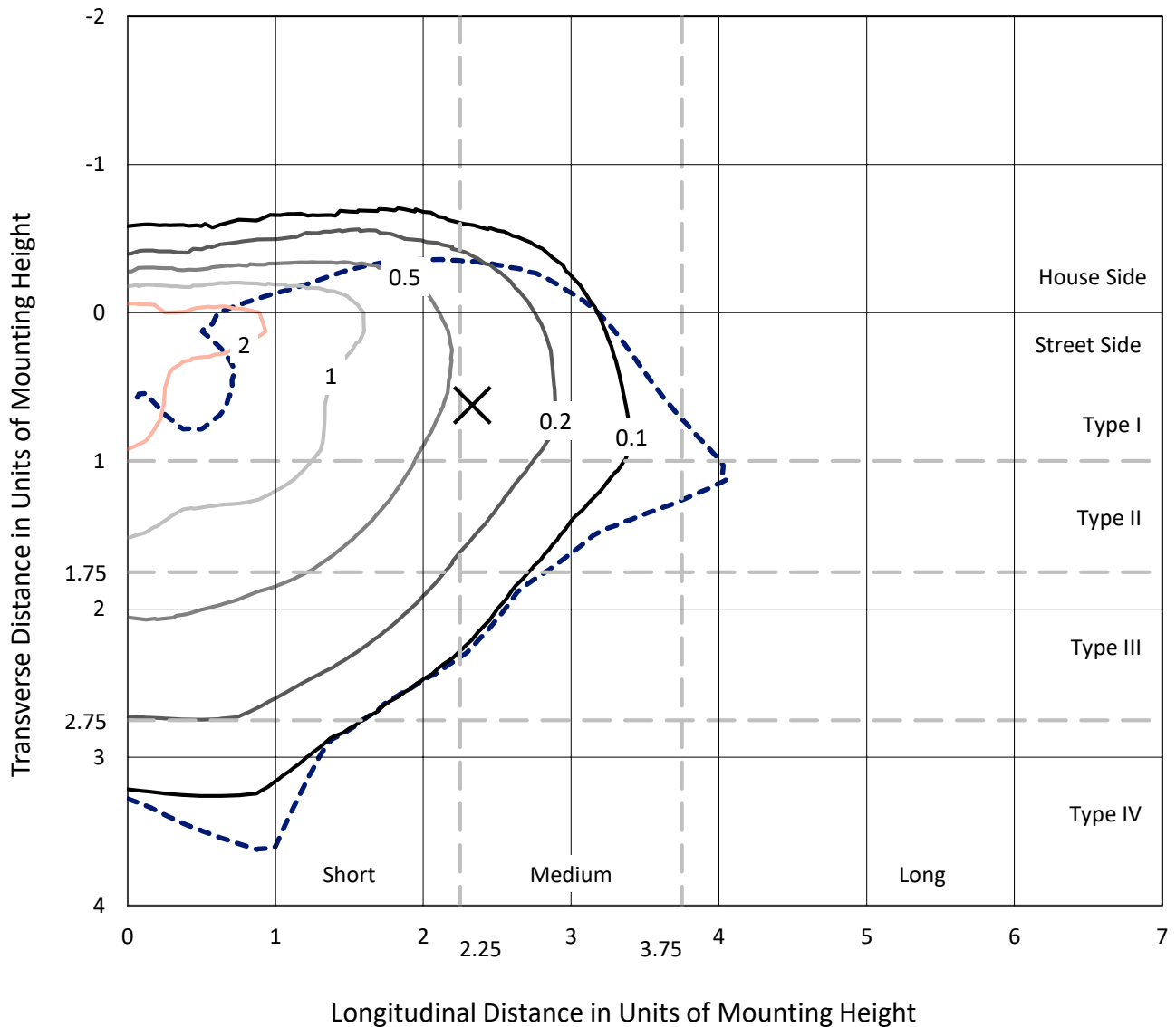
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324125
 CATALOG NUMBER: GAN-SA1C-730-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

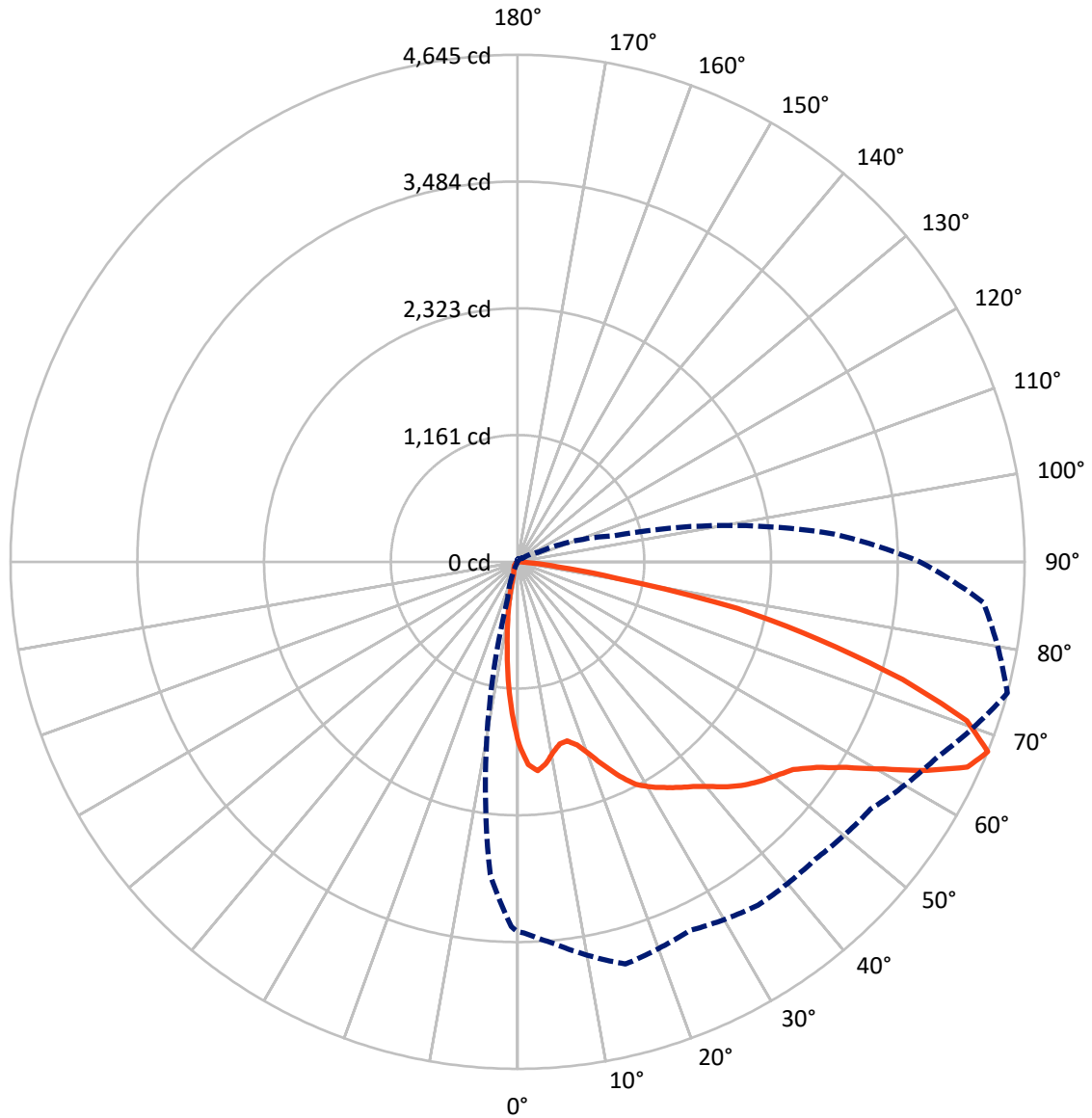
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P324125
CATALOG NUMBER: GAN-SA1C-730-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P324125
 CATALOG NUMBER: GAN-SA1C-730-U-SLL-HSS

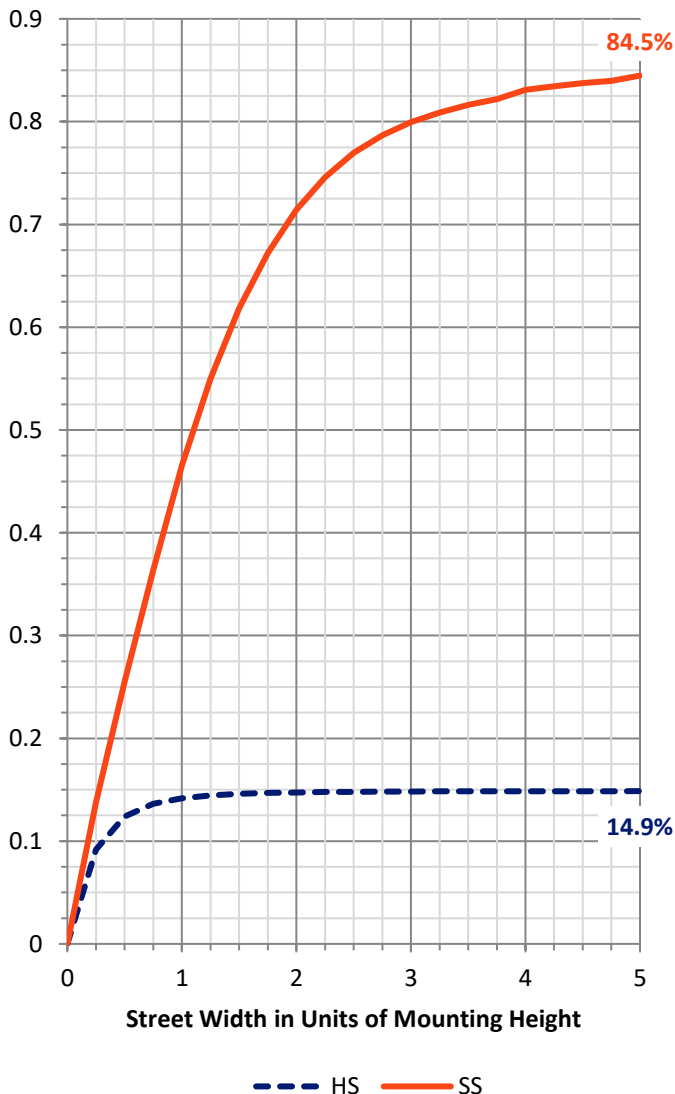
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	750.4	0.0	750.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	4250.5	0.0	4250.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	5001.0	0.0	5001.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	2.5
10°-20°	250.6	5.0
20°-30°	354.5	7.1
30°-40°	521.2	10.4
40°-50°	749.2	15.0
50°-60°	1054.6	21.1
60°-70°	1231.7	24.6
70°-80°	628.4	12.6
80°-90°	83.5	1.7
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°	5001.0	100.0
0°-180°	5001.0	100.0

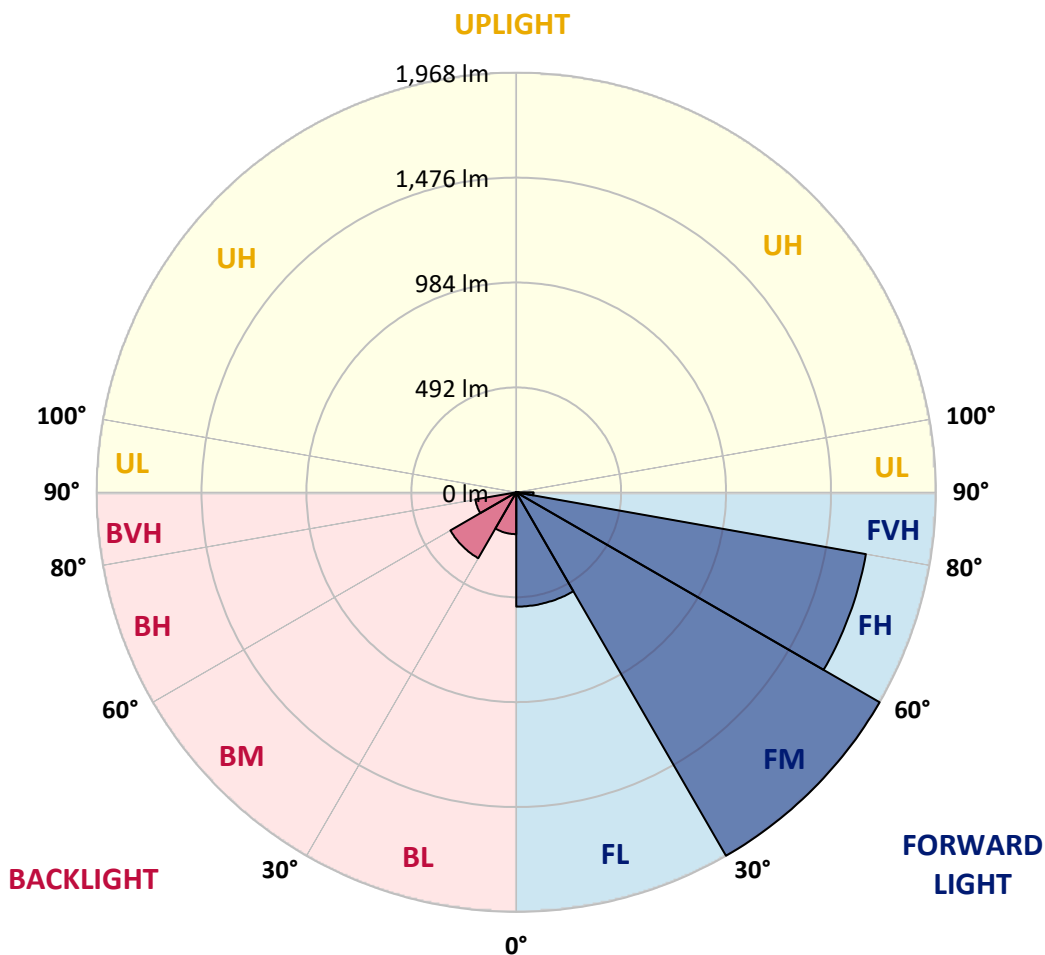


REPORT NUMBER: P324125
 CATALOG NUMBER: GAN-SA1C-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.1	10.7			
FM (30°-60°)	1968.3	39.4			
FH (60°-80°)	1665.2	33.3			G1/1800
FVH (80°-90°)	80.9	1.6			G1/100
BL (0°-30°)	196.3	3.9	B1/500		
BM (30°-60°)	356.7	7.1	B1/1000		
BH (60°-80°)	194.9	3.9	B1/500		G1/500
BVH (80°-90°)	2.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





REPORT NUMBER: P324125
 CATALOG NUMBER: GAN-SA1C-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7
2.5°	1818.7	1821.6	1836.2	1870.4	1907.5	1910.4	1935.5	1909.7	1900.9	1859.2	1816.1
5°	1832.4	1843.3	1893.8	1994.0	2081.0	2108.9	2128.8	2078.1	2024.8	1922.9	1814.2
7.5°	1721.8	1740.1	1819.4	2007.5	2162.9	2231.6	2244.7	2165.3	2034.8	1867.0	1703.6
10°	1580.1	1601.0	1696.7	1927.9	2141.4	2259.1	2277.1	2173.1	1985.5	1776.5	1583.9
12.5°	1465.5	1489.9	1587.7	1838.4	2067.2	2197.5	2233.1	2146.8	1942.8	1712.3	1502.2
15°	1412.7	1440.6	1543.4	1780.6	1985.0	2087.6	2117.0	2079.8	1919.2	1702.2	1483.3
17.5°	1443.0	1473.3	1579.4	1785.5	1907.8	1951.6	1975.3	1990.5	1919.2	1763.5	1538.7
20°	1567.4	1600.0	1712.3	1836.0	1843.8	1827.5	1852.8	1906.1	1941.4	1880.1	1671.8
22.5°	1739.3	1777.7	1904.5	1922.5	1812.5	1750.7	1754.0	1837.7	1981.9	2027.9	1856.6
25°	1949.0	1995.9	2124.8	2051.3	1825.6	1705.0	1703.8	1781.3	2021.5	2176.0	2062.5
27.5°	2157.2	2208.9	2322.1	2208.7	1879.4	1696.7	1694.3	1764.2	2060.1	2307.7	2287.3
30°	2331.8	2382.1	2479.7	2322.6	1937.4	1716.1	1704.8	1782.5	2083.1	2393.2	2451.2
32.5°	2474.0	2514.3	2593.1	2401.0	1999.5	1753.8	1729.2	1831.3	2122.2	2465.5	2601.9
35°	2630.3	2672.7	2704.3	2475.6	2069.1	1808.0	1772.7	1908.7	2182.4	2538.9	2767.0
37.5°	2808.7	2850.9	2847.1	2543.9	2157.5	1897.8	1875.3	2031.4	2275.9	2611.6	2951.3
40°	2983.3	3026.4	2995.6	2618.5	2261.2	2045.9	2029.3	2215.8	2401.3	2704.7	3167.4
42.5°	3146.8	3193.5	3127.6	2689.1	2384.9	2232.6	2261.0	2453.1	2558.1	2819.4	3353.6
45°	3278.5	3326.1	3238.2	2757.8	2515.2	2459.1	2544.6	2716.1	2746.7	2916.3	3479.4
47.5°	3374.2	3419.2	3315.0	2826.5	2682.0	2736.0	2885.0	2991.9	2917.0	3000.4	3568.7
50°	3435.3	3470.4	3337.5	2912.5	2900.9	3059.1	3239.7	3291.8	3077.4	3076.2	3677.2
52.5°	3474.2	3490.1	3354.1	3002.3	3129.3	3410.9	3587.0	3603.3	3242.5	3159.6	3823.4
55°	3608.0	3620.8	3471.6	3111.0	3318.1	3719.1	3901.1	3885.9	3429.4	3322.8	3995.8
57.5°	3836.4	3849.9	3714.4	3267.4	3470.9	3909.6	4128.8	4156.0	3648.5	3552.1	4180.6
60°	3951.1	3976.2	3927.9	3465.4	3618.9	4031.4	4283.9	4370.9	3922.4	3854.4	4359.7
62.5°	3847.1	3883.6	3953.7	3685.0	3766.1	4098.4	4332.3	4447.9	4202.9	4206.7	4470.1
65°	3639.5	3668.7	3787.6	3805.4	3851.3	4090.1	4212.9	4340.3	4374.7	4530.3	4464.2
67.5°	3388.9	3399.8	3500.7	3814.9	3727.7	3840.9	3854.2	3948.5	4238.9	4645.0	4284.9
70°	3028.1	3034.0	3122.2	3497.6	3203.4	3228.3	3208.6	3227.8	3644.3	4365.7	3832.1
72.5°	2437.0	2452.0	2577.3	2904.7	2333.7	2262.0	2416.4	2407.9	2806.6	3688.3	2846.2
75°	1794.3	1820.1	2009.4	2339.7	1638.0	1481.6	1594.4	1624.4	1995.2	2853.0	1779.9
77.5°	1256.3	1275.5	1458.9	1719.9	1185.5	1059.4	1018.7	1054.5	1316.9	2063.9	896.7
80°	723.7	730.8	847.9	993.1	798.8	914.0	828.0	852.6	789.1	918.2	385.7
82.5°	473.6	474.8	520.5	591.1	497.5	578.0	427.8	547.0	485.4	368.9	125.6
85°	255.9	257.3	301.8	419.6	281.7	159.2	93.6	192.1	300.2	84.6	34.4
87.5°	28.2	25.8	91.0	152.6	78.2	14.5	5.0	21.6	48.1	5.4	0.0
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: P324125
 CATALOG NUMBER: GAN-SA1C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7
2.5°	1794.1	1774.4	1725.4	1673.5	1631.8	1592.7	1553.4	1505.3	1468.1	1460.5	1448.2
5°	1755.7	1693.4	1590.6	1487.3	1404.1	1299.2	1232.6	1180.7	1130.0	1126.9	1116.8
7.5°	1621.6	1539.6	1394.9	1252.0	1135.0	1035.0	934.1	866.6	813.5	794.8	783.7
10°	1492.7	1400.6	1219.8	1056.8	952.4	864.0	792.9	722.3	658.4	614.3	594.4
12.5°	1402.7	1300.8	1101.6	961.1	886.3	802.4	715.7	627.6	553.9	500.8	468.4
15°	1367.9	1259.1	1062.0	923.2	830.8	724.7	613.8	513.1	431.4	383.3	354.2
17.5°	1409.3	1282.8	1059.0	877.0	747.9	615.9	493.5	374.5	297.6	261.1	242.4
20°	1514.5	1358.2	1057.8	820.4	649.4	487.1	334.3	246.4	199.7	179.3	170.6
22.5°	1663.3	1454.4	1067.2	764.5	546.8	348.0	230.7	181.0	157.1	146.2	141.2
25°	1854.7	1589.4	1094.0	713.8	450.4	259.6	179.8	151.6	134.8	126.3	122.7
27.5°	2058.7	1744.8	1135.7	669.7	371.9	207.1	154.0	129.8	117.7	111.8	108.5
30°	2226.9	1924.8	1177.9	620.7	315.1	180.5	141.0	118.5	104.5	100.7	97.6
32.5°	2374.0	2061.1	1207.7	576.4	277.9	160.4	127.5	105.9	96.4	89.1	85.8
35°	2526.3	2174.5	1206.8	545.4	252.3	145.2	116.1	94.8	83.4	74.9	72.3
37.5°	2691.2	2302.7	1186.2	518.8	241.2	133.1	109.7	88.8	77.5	68.9	65.6
40°	2884.3	2437.3	1165.1	493.9	238.1	123.4	105.2	84.1	72.0	63.7	60.4
42.5°	3072.4	2558.6	1146.6	475.5	224.8	123.2	101.2	80.5	67.8	59.7	55.9
45°	3222.8	2671.6	1143.1	464.3	210.8	127.5	99.0	78.2	64.4	56.4	52.8
47.5°	3347.9	2794.3	1165.8	456.5	197.6	116.3	104.2	76.5	61.4	53.5	49.5
50°	3496.7	2944.9	1219.3	443.7	183.6	104.7	119.4	77.0	58.8	50.7	46.4
52.5°	3704.2	3153.4	1298.0	422.2	164.4	94.1	117.5	77.5	55.9	47.6	43.4
55°	3936.9	3413.8	1382.6	386.4	137.6	80.1	100.7	74.2	50.5	44.3	40.3
57.5°	4181.3	3650.0	1432.8	343.7	109.4	69.2	80.5	67.5	44.5	39.8	37.2
60°	4219.7	3739.8	1409.8	291.4	86.9	60.2	59.7	68.7	39.8	35.1	33.2
62.5°	4124.3	3627.0	1298.7	244.7	72.7	52.8	49.0	59.9	36.0	31.3	29.4
65°	3940.7	3322.1	1118.7	220.6	67.5	45.2	40.7	42.2	31.5	27.2	25.6
67.5°	3685.3	2915.1	918.5	206.8	66.8	38.9	34.8	32.0	27.2	23.7	22.3
70°	3163.1	2428.5	732.7	199.2	64.9	32.7	29.4	26.1	22.7	20.1	19.0
72.5°	2328.0	1720.9	570.0	190.9	65.4	26.1	25.6	21.6	18.2	15.6	15.2
75°	1345.1	983.1	373.8	154.7	62.3	20.1	21.3	15.2	12.8	10.9	10.9
77.5°	716.9	599.6	142.4	64.4	22.7	12.8	12.1	9.0	8.1	6.6	6.4
80°	312.5	263.9	42.9	18.0	12.6	6.9	4.5	4.0	3.6	2.8	2.6
82.5°	110.6	95.5	14.0	8.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.1	18.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P324125
 CATALOG NUMBER: GAN-SA1C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7
2.5°	1423.1	1417.9	1387.1	1388.3	1393.7	1401.5	1383.0	1391.6	1414.6	1436.6	1444.9
5°	1100.4	1101.6	1082.9	1094.5	1104.9	1112.0	1082.2	1082.6	1100.9	1125.8	1138.8
7.5°	775.4	773.5	774.4	802.2	821.8	807.6	818.7	780.1	782.5	800.3	787.0
10°	576.4	550.3	535.6	556.5	578.0	570.2	551.0	538.5	547.2	566.9	565.5
12.5°	453.0	415.5	393.5	378.6	396.3	381.7	381.2	370.3	358.4	360.6	392.1
15°	340.7	313.4	287.4	263.4	263.0	258.0	232.6	204.2	201.8	203.3	219.6
17.5°	234.3	225.1	214.4	193.8	188.3	167.5	142.9	131.5	125.8	128.4	133.9
20°	164.6	161.1	162.3	151.1	143.3	123.4	109.0	104.5	103.5	106.1	108.7
22.5°	136.5	130.1	129.3	124.4	116.6	102.1	94.3	91.7	90.5	92.9	94.8
25°	119.4	113.0	110.4	107.3	99.0	89.1	84.3	82.0	80.8	82.2	83.4
27.5°	105.2	99.3	96.9	94.8	86.7	79.6	75.8	73.7	72.7	73.2	74.4
30°	94.5	89.3	86.2	83.6	76.8	71.8	68.5	66.3	65.4	65.4	66.6
32.5°	83.4	80.5	77.7	74.4	68.0	64.7	61.4	59.0	58.0	58.3	59.2
35°	69.4	68.5	69.2	66.1	60.6	57.8	54.5	51.9	51.2	51.4	52.4
37.5°	61.6	57.3	59.9	58.3	55.2	51.4	47.1	44.8	43.6	44.3	44.8
40°	56.6	51.4	49.5	51.2	50.7	44.5	40.7	38.4	37.4	37.7	38.1
42.5°	52.4	46.2	41.9	41.7	44.5	38.9	34.8	32.7	31.5	31.5	32.0
45°	48.3	41.7	36.5	32.5	37.4	32.9	29.1	27.2	25.8	25.8	26.1
47.5°	45.2	37.9	31.7	26.5	28.2	27.0	23.9	22.0	20.6	20.6	20.8
50°	42.4	34.1	27.5	22.3	21.1	22.3	19.4	17.3	16.3	16.1	16.6
52.5°	39.3	30.3	23.5	19.0	16.6	16.8	15.2	13.7	12.6	12.6	13.0
55°	36.2	27.2	20.4	16.1	13.7	12.6	12.1	11.1	10.2	10.2	10.7
57.5°	33.2	23.9	17.3	13.3	10.9	9.9	9.9	9.2	8.5	8.5	9.0
60°	30.3	20.6	14.2	10.9	8.5	8.3	8.5	7.8	7.3	7.3	7.8
62.5°	27.0	17.5	11.6	9.0	6.9	6.6	7.3	6.9	6.4	6.4	6.9
65°	23.0	14.9	9.2	6.9	5.2	5.2	6.2	5.7	5.2	5.2	5.7
67.5°	19.4	12.6	7.1	5.0	3.8	4.0	5.2	4.7	4.5	4.5	5.0
70°	16.1	9.7	5.0	3.1	2.1	3.1	4.0	4.0	4.0	4.0	4.5
72.5°	12.1	6.6	2.8	1.2	0.9	2.1	3.3	3.8	3.6	3.6	4.3
75°	7.8	3.8	0.9	0.0	0.0	1.2	2.6	3.1	3.1	2.8	3.6
77.5°	4.5	1.2	0.0	0.0	0.0	0.0	1.7	1.4	1.2	0.9	1.7
80°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P324125
 CATALOG NUMBER: GAN-SA1C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7	1677.7
2.5°	1478.3	1506.2	1545.6	1587.3	1651.5	1702.4	1752.4	1795.3	1811.8	1818.7
5°	1170.1	1211.1	1268.6	1342.5	1458.4	1562.6	1668.3	1774.6	1820.8	1832.4
7.5°	839.6	891.9	965.1	1057.8	1193.5	1328.6	1476.1	1632.3	1703.8	1721.8
10°	621.4	685.4	769.2	866.8	996.4	1135.2	1296.1	1474.5	1556.2	1580.1
12.5°	440.9	527.3	639.6	758.3	870.6	994.5	1157.3	1353.9	1439.7	1465.5
15°	258.9	342.6	475.5	634.4	778.2	903.8	1069.1	1292.1	1386.6	1412.7
17.5°	148.5	190.2	290.7	467.9	663.1	837.0	1041.4	1307.5	1418.8	1443.0
20°	113.5	126.7	167.5	301.3	528.5	771.4	1041.4	1394.7	1531.8	1567.4
22.5°	99.3	109.0	125.6	179.8	389.0	701.0	1053.5	1520.7	1700.0	1739.3
25°	88.1	96.9	111.1	135.3	265.3	617.4	1082.2	1675.4	1898.1	1949.0
27.5°	78.9	87.2	100.0	118.5	181.5	516.4	1120.8	1856.8	2116.5	2157.2
30°	70.6	78.4	90.0	103.1	140.0	402.0	1153.7	2027.9	2288.0	2331.8
32.5°	62.8	69.9	80.3	90.0	114.7	297.3	1157.3	2163.4	2430.4	2474.0
35°	55.4	61.8	71.3	78.9	95.0	234.8	1102.1	2280.9	2572.8	2630.3
37.5°	48.3	54.5	62.8	68.5	83.6	191.4	1017.7	2411.9	2755.4	2808.7
40°	41.7	47.1	55.7	59.5	79.1	147.1	926.1	2549.3	2934.5	2983.3
42.5°	35.5	40.7	49.0	56.4	69.4	109.9	827.0	2678.2	3095.6	3146.8
45°	29.6	35.1	43.4	59.7	57.6	82.2	721.1	2763.7	3222.8	3278.5
47.5°	23.9	30.1	41.5	56.9	46.0	60.4	637.3	2844.7	3319.3	3374.2
50°	19.2	25.3	46.7	50.7	37.7	46.2	602.2	2917.2	3382.5	3435.3
52.5°	15.6	21.3	44.1	38.9	31.5	38.1	621.2	3034.7	3441.0	3474.2
55°	13.0	16.8	26.5	27.0	26.8	32.5	644.6	3203.4	3592.4	3608.0
57.5°	11.4	13.5	18.5	20.8	22.5	28.9	645.1	3445.5	3826.7	3836.4
60°	9.7	11.8	15.4	16.8	19.4	25.8	621.6	3530.1	3918.9	3951.1
62.5°	8.5	10.4	12.8	14.0	16.3	23.2	566.7	3407.6	3792.3	3847.1
65°	7.6	9.5	10.7	11.8	14.5	20.8	476.2	3162.7	3582.5	3639.5
67.5°	6.6	8.3	9.5	10.7	13.0	18.5	350.6	2878.1	3341.5	3388.9
70°	5.9	7.3	8.5	9.5	11.4	15.6	212.7	2442.2	3008.4	3028.1
72.5°	5.7	6.6	7.8	8.5	9.9	13.7	107.8	1794.8	2405.0	2437.0
75°	5.0	5.9	7.1	7.6	8.8	11.8	43.8	1178.8	1742.9	1794.3
77.5°	4.0	5.4	6.4	6.9	7.6	9.7	22.3	753.4	1223.1	1256.3
80°	1.4	4.0	5.4	5.7	6.4	7.1	14.7	412.4	709.5	723.7
82.5°	0.0	2.6	4.3	4.0	4.5	5.4	9.5	196.2	468.4	473.6
85°	0.0	1.2	3.3	2.6	1.9	3.8	3.3	42.9	245.7	255.9
87.5°	0.0	0.0	0.2	1.2	0.9	1.4	0.5	0.2	22.3	28.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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