

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: P324425

Luminaire Tested: **GAN-SA1A-730-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3295 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

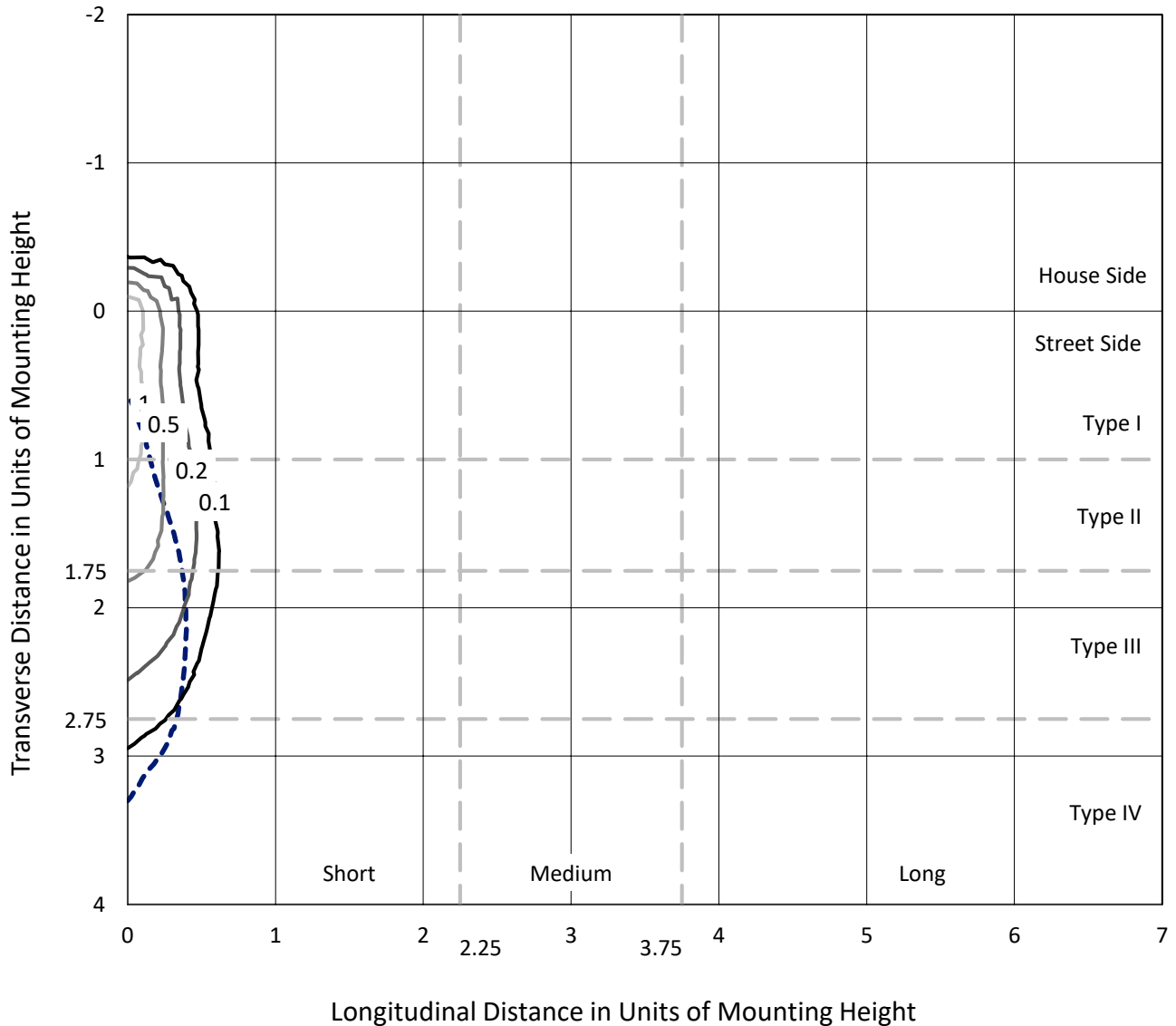
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324425
 CATALOG NUMBER: GAN-SA1A-730-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

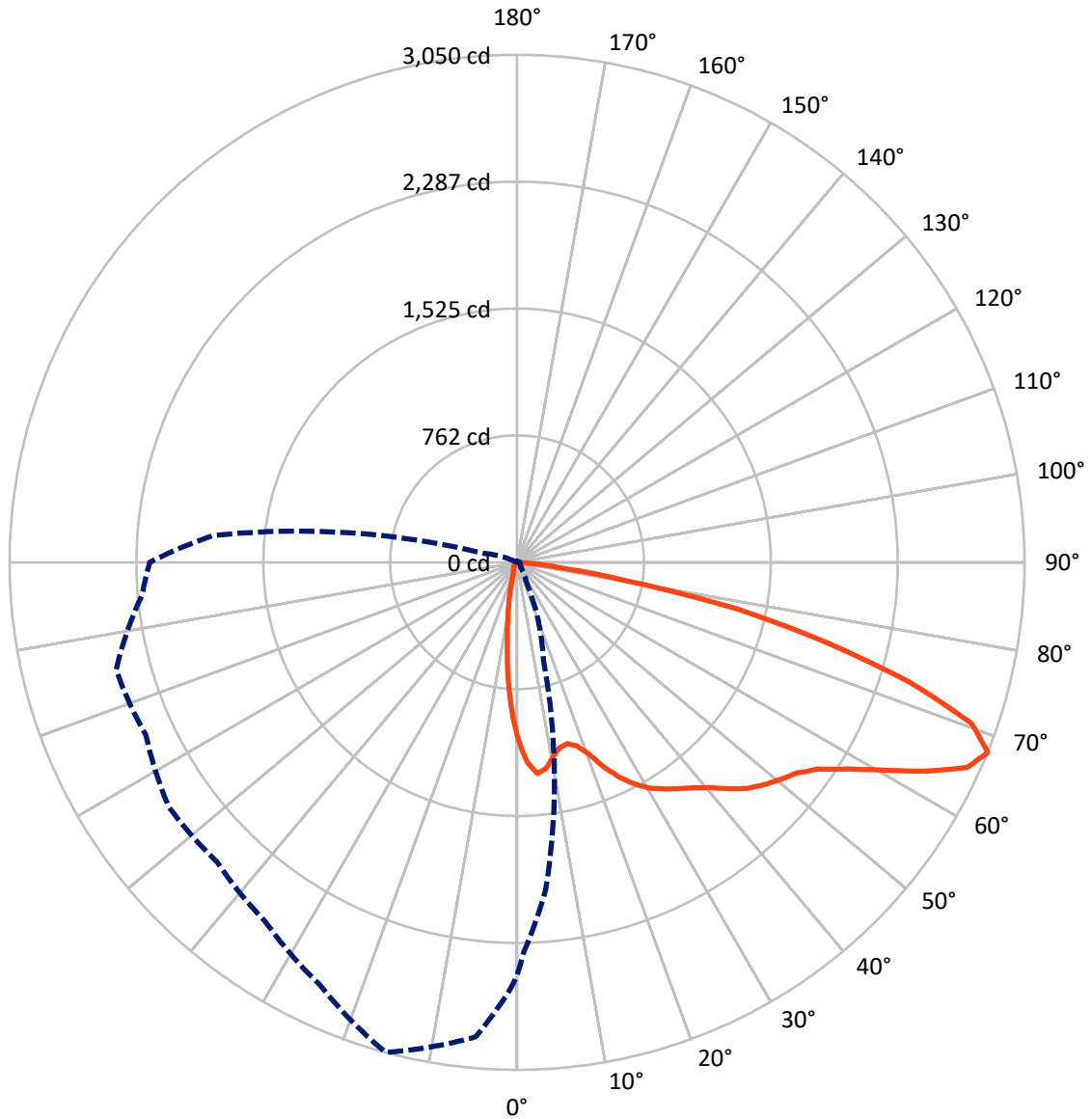
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P324425
CATALOG NUMBER: GAN-SA1A-730-U-SLR-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P324425
 CATALOG NUMBER: GAN-SA1A-730-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	398.8	0.0	398.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	2896.2	0.0	2896.2
	% Fixture	87.9	0.0	87.9
Total	Lumens	3295.0	0.0	3295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	2.5
10°-20°	164.0	5.0
20°-30°	232.8	7.1
30°-40°	343.9	10.4
40°-50°	496.0	15.1
50°-60°	696.3	21.1
60°-70°	811.7	24.6
70°-80°	414.9	12.6
80°-90°	53.0	1.6
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°	3295.0	100.0
0°-180°	3295.0	100.0

Coefficient of Utilization

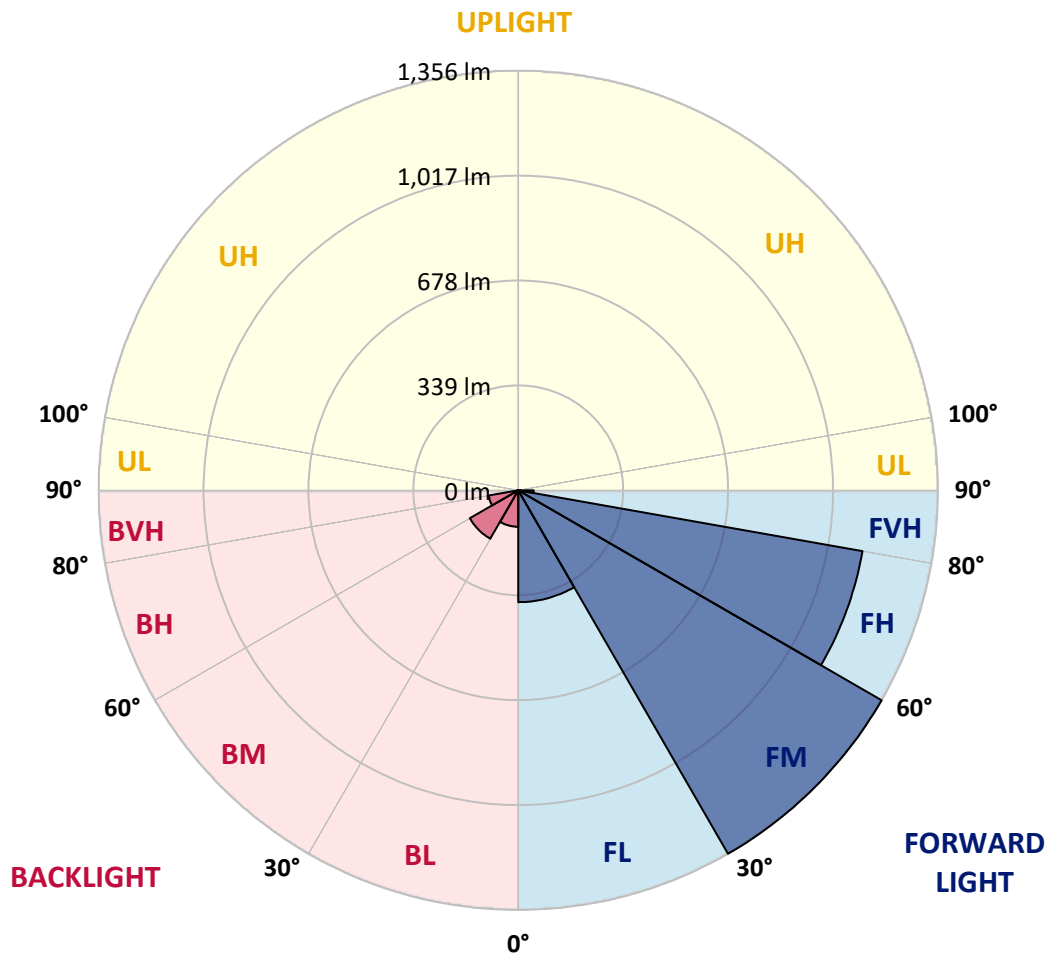


REPORT NUMBER: P324425
 CATALOG NUMBER: GAN-SA1A-730-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.4	11.0			
FM (30°-60°)	1355.6	41.1			
FH (60°-80°)	1129.4	34.3			G1/1800
FVH (80°-90°)	49.8	1.5			G1/100
BL (0°-30°)	117.8	3.6	B1/500		
BM (30°-60°)	180.6	5.5	B0/220		
BH (60°-80°)	97.2	2.9	B0/110		G0/110
BVH (80°-90°)	3.2	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 IV Medium





REPORT NUMBER: P324425
 CATALOG NUMBER: GAN-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	1175.3	1166.2	1156.2	1123.6	1093.3	1058.7	1030.4	1010.7	986.1	954.1	946.0
5°	1166.8	1157.2	1125.8	1053.2	989.7	927.9	868.2	833.3	789.9	745.8	734.9
7.5°	1082.1	1071.9	1026.7	927.2	841.7	752.4	675.0	627.1	578.0	537.8	516.4
10°	993.9	982.8	931.9	811.2	705.9	625.2	568.4	522.6	476.3	433.2	398.8
12.5°	933.2	918.6	863.4	726.6	634.9	580.1	527.0	472.2	409.4	363.2	325.5
15°	907.7	891.2	832.8	694.0	609.7	545.4	476.3	409.0	335.5	282.5	247.9
17.5°	927.4	905.8	843.2	691.8	578.2	490.6	403.2	324.2	244.5	190.9	166.2
20°	994.2	965.9	886.5	691.2	539.9	425.5	314.7	225.4	161.1	129.6	116.6
22.5°	1099.4	1062.1	948.6	696.2	500.5	357.2	227.3	153.1	121.0	104.6	96.9
25°	1226.5	1183.2	1038.1	713.8	465.8	290.7	165.2	121.0	102.1	90.1	83.7
27.5°	1347.3	1312.2	1151.1	739.3	439.0	237.0	134.1	102.6	87.3	79.3	74.1
30°	1468.0	1423.8	1267.1	769.6	406.6	200.6	117.9	93.5	78.2	69.8	66.5
32.5°	1555.7	1519.0	1357.9	791.4	372.1	176.9	105.4	85.5	73.1	64.5	59.6
35°	1658.9	1617.3	1435.8	796.3	350.0	161.9	94.8	77.0	63.4	55.7	50.6
37.5°	1770.3	1718.7	1525.7	785.6	332.6	154.5	86.8	73.1	59.2	51.4	45.9
40°	1893.6	1835.3	1612.0	770.4	315.6	152.0	80.7	70.1	55.9	47.9	42.3
42.5°	2023.5	1954.7	1686.8	754.3	304.9	143.5	80.1	67.1	53.4	44.8	39.2
45°	2132.6	2062.9	1763.6	749.0	297.2	134.1	82.7	65.1	51.7	42.3	36.8
47.5°	2219.6	2153.5	1842.3	760.8	292.8	125.5	75.4	67.7	50.7	40.1	34.8
50°	2323.4	2248.6	1953.1	796.3	286.4	116.9	68.2	77.6	50.7	38.7	33.1
52.5°	2453.6	2379.6	2076.7	851.2	273.6	105.1	61.3	77.7	51.2	36.8	30.9
55°	2617.3	2563.6	2253.3	911.5	253.2	87.6	53.1	66.8	49.3	33.4	28.9
57.5°	2774.4	2730.5	2414.2	952.7	225.9	68.4	46.2	53.9	45.1	29.3	25.8
59°	2817.3	2769.4	2473.2	954.5	205.4	59.6	42.8	44.5	44.2	27.5	23.9
60°	2817.3	2766.4	2490.3	944.6	190.6	54.8	40.6	39.6	46.0	26.2	22.8
62.5°	2766.2	2694.7	2435.0	877.0	155.5	46.7	35.4	32.8	41.4	23.6	20.1
65°	2660.1	2556.0	2246.7	754.7	138.6	42.8	30.6	26.8	28.7	20.8	17.6
67.5°	2483.1	2342.0	1975.3	609.7	131.9	41.7	26.4	22.8	21.7	17.8	15.5
70°	2171.3	2014.8	1645.8	479.4	126.1	41.2	22.2	19.2	17.5	15.0	13.1
72.5°	1580.4	1417.1	1168.4	374.8	122.7	42.1	17.8	16.1	14.4	11.7	10.1
75°	904.0	797.0	656.7	247.6	104.6	40.3	13.7	13.4	10.3	8.4	7.0
77.5°	467.0	452.8	393.5	95.1	50.1	17.6	9.1	7.8	6.1	5.2	4.2
80°	201.5	199.3	172.5	27.5	13.3	9.8	5.2	3.3	2.8	2.2	1.7
82.5°	69.6	69.6	61.3	9.2	5.9	4.8	0.6	0.0	0.0	0.0	0.0
85°	14.0	15.8	11.1	0.0	2.0	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: P324425
 CATALOG NUMBER: GAN-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	936.1	917.2	916.0	904.1	889.3	882.6	878.7	885.6	894.0	894.9	907.6
5°	726.6	706.8	715.1	694.0	698.2	694.0	687.1	688.4	692.1	680.4	695.0
7.5°	510.3	495.3	504.8	499.2	506.7	509.7	505.5	499.2	480.8	478.6	491.2
10°	384.6	367.6	357.5	346.9	349.2	354.0	352.5	347.9	336.2	336.9	349.0
12.5°	309.1	290.0	269.9	243.8	237.4	241.0	237.4	234.8	223.5	224.5	235.2
15°	234.5	218.9	197.8	176.9	165.5	166.6	156.6	149.5	142.5	134.1	140.6
17.5°	158.3	148.8	142.5	136.3	122.7	119.6	106.9	93.3	88.0	84.1	86.9
20°	112.1	106.9	104.4	104.1	96.3	92.4	80.1	71.6	69.0	68.2	69.9
22.5°	93.7	89.9	86.3	84.3	80.4	75.9	66.5	62.3	60.4	59.5	60.7
25°	81.5	78.7	74.9	71.5	69.9	65.1	58.4	55.3	54.0	53.1	53.7
27.5°	72.4	69.9	65.6	63.4	62.1	57.9	52.1	49.6	48.5	48.2	48.1
30°	65.2	62.9	58.8	56.4	54.2	50.4	47.0	44.5	43.4	43.1	42.8
32.5°	58.1	56.2	53.5	51.0	48.7	45.3	42.3	40.3	38.6	38.2	38.1
35°	49.0	47.1	45.7	45.6	43.4	40.1	37.9	35.3	33.9	33.4	33.6
37.5°	43.6	41.1	37.9	39.0	38.4	36.1	33.1	30.4	29.0	28.7	28.7
40°	40.1	37.5	33.9	32.0	33.9	33.4	28.7	26.1	24.7	24.5	24.2
42.5°	36.8	34.2	30.1	27.0	27.9	29.3	24.8	22.3	20.9	20.6	20.1
45°	34.5	31.7	27.2	23.6	21.7	24.7	21.2	18.1	17.3	16.7	16.4
47.5°	32.3	29.7	24.5	20.4	17.3	17.8	17.0	14.8	13.9	13.3	13.1
50°	30.4	27.6	22.2	17.5	14.4	13.1	13.7	11.7	10.9	10.3	10.0
52.5°	28.3	25.6	19.7	15.1	12.0	10.3	10.5	9.2	8.4	8.0	7.8
55°	26.5	23.9	17.6	13.3	10.6	8.4	7.5	7.2	6.7	6.4	6.2
57.5°	24.2	21.7	15.6	11.2	9.1	6.9	5.8	5.8	5.6	5.3	5.2
59°	22.8	20.6	14.4	10.1	8.3	5.9	5.2	5.3	5.2	4.8	4.7
60°	21.7	19.7	13.4	9.4	7.8	5.5	4.7	5.0	4.8	4.5	4.4
62.5°	19.2	17.8	11.6	7.8	6.9	4.4	3.9	4.2	4.2	4.1	3.9
65°	16.9	15.3	9.8	6.6	6.4	3.7	3.1	3.7	3.9	3.6	3.3
67.5°	14.7	13.1	8.6	5.3	5.9	3.0	2.3	3.1	4.2	3.3	3.0
70°	12.5	10.9	6.7	4.2	6.2	2.0	1.9	2.8	5.0	3.6	2.8
72.5°	9.7	8.4	4.7	3.1	6.7	1.4	1.4	2.3	5.6	3.9	2.7
75°	6.7	5.5	2.8	1.9	5.5	0.9	0.9	2.2	5.3	3.6	2.5
77.5°	3.9	3.0	0.9	0.2	2.8	0.0	0.2	1.6	3.7	2.2	1.1
80°	1.4	0.6	0.0	0.0	1.7	0.0	0.0	0.0	0.3	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: P324425
 CATALOG NUMBER: GAN-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	910.8	931.9	950.8	979.4	1013.2	1052.3	1085.8	1121.9	1155.8	1169.8	1179.5
5°	697.9	724.0	754.4	796.4	852.3	921.1	985.6	1058.5	1136.9	1176.1	1212.9
7.5°	493.4	520.0	557.7	602.4	670.0	751.9	836.2	936.9	1043.1	1105.0	1166.1
10°	354.8	387.4	422.7	483.8	552.4	630.2	717.0	829.4	947.7	1016.4	1089.9
12.5°	241.5	278.6	332.0	400.4	481.1	557.3	632.7	739.9	877.3	945.3	1024.2
15°	144.9	165.5	222.0	301.1	400.1	495.0	577.6	685.1	831.5	914.9	996.9
17.5°	89.3	98.8	129.6	194.5	298.5	418.5	531.7	666.5	838.1	939.6	1027.3
20°	71.2	74.9	84.8	114.9	197.8	334.2	480.0	662.8	891.6	1016.5	1110.6
22.5°	61.8	65.4	72.0	83.5	124.4	250.2	431.0	666.2	968.4	1131.9	1241.8
25°	54.5	57.6	63.8	73.4	91.2	176.2	378.5	681.5	1068.5	1275.0	1391.8
27.5°	48.7	51.4	57.1	65.9	78.2	123.0	319.1	700.1	1187.1	1421.4	1536.6
30°	43.4	45.7	50.9	59.0	67.9	94.6	253.8	712.8	1305.9	1536.6	1640.1
32.5°	38.9	40.6	45.3	52.1	59.0	75.4	192.9	710.7	1394.1	1632.5	1714.6
35°	34.2	35.9	40.0	45.9	51.4	62.3	151.7	672.8	1470.9	1731.9	1799.8
37.5°	29.0	31.2	35.1	40.4	44.2	54.8	122.7	627.1	1548.8	1845.6	1894.9
40°	24.7	26.8	30.3	36.1	38.4	52.0	94.3	571.3	1636.4	1972.6	1999.2
42.5°	20.4	22.5	26.1	31.1	36.2	44.8	69.8	507.6	1720.5	2081.3	2094.2
45°	16.5	18.6	22.3	27.3	38.7	37.2	54.0	439.4	1788.4	2171.7	2175.9
47.5°	13.1	15.0	18.9	25.8	36.1	29.7	38.6	385.9	1845.4	2242.2	2231.1
50°	10.1	11.7	15.8	29.5	31.5	24.5	29.2	368.1	1896.5	2285.9	2257.2
52.5°	8.0	9.4	13.0	27.6	24.5	20.3	24.5	384.8	1966.4	2322.1	2271.9
55°	6.4	7.8	10.1	15.8	16.7	17.2	20.9	400.4	2087.1	2407.1	2358.5
57.5°	5.3	6.7	8.3	11.1	12.6	14.5	18.6	402.1	2229.3	2548.2	2502.3
59°	4.8	6.1	7.5	9.8	11.1	13.3	17.5	392.7	2279.4	2599.5	2576.6
60°	4.5	5.8	7.0	9.1	10.3	12.5	16.9	383.8	2281.6	2597.7	2608.3
62.5°	3.9	5.2	6.2	7.6	8.7	10.6	15.1	350.9	2189.1	2512.6	2589.2
65°	3.4	4.5	5.6	6.6	7.5	9.5	13.7	290.8	2031.3	2375.4	2458.9
67.5°	3.1	3.9	5.2	5.8	6.7	8.4	12.2	207.3	1834.2	2207.6	2261.7
70°	2.8	3.7	4.7	5.3	6.1	7.3	10.5	119.1	1548.8	1961.9	2000.4
72.5°	2.7	3.6	4.2	5.0	5.5	6.6	9.5	56.0	1134.1	1571.6	1672.3
75°	2.3	3.3	3.9	4.7	5.2	5.9	8.1	26.8	754.3	1137.3	1251.8
77.5°	1.4	2.7	3.6	4.2	4.5	5.2	6.7	15.5	481.4	787.2	927.2
80°	0.0	0.9	2.7	3.6	3.9	4.4	5.2	12.2	257.6	449.7	539.8
82.5°	0.0	0.0	1.9	2.8	2.7	3.0	3.9	7.6	116.1	293.9	331.2
85°	0.0	0.0	0.6	2.2	1.9	1.4	2.7	2.7	25.4	148.8	185.6
87.5°	0.0	0.0	0.0	0.2	0.9	0.6	1.1	0.3	0.2	11.1	45.0
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: P324425
 CATALOG NUMBER: GAN-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	1213.4	1224.9	1244.4	1253.6	1249.1	1229.9	1207.0	1183.5	1169.8	1175.3
5°	1288.0	1347.5	1381.8	1393.2	1374.1	1331.1	1274.7	1200.4	1174.0	1166.8
7.5°	1288.0	1399.9	1470.8	1483.3	1440.8	1356.3	1250.7	1134.7	1096.1	1082.1
10°	1242.7	1395.1	1493.9	1513.7	1454.4	1328.1	1186.5	1054.1	1008.4	993.9
12.5°	1191.7	1355.7	1459.8	1487.2	1438.5	1300.0	1142.0	999.7	945.8	933.2
15°	1160.3	1307.3	1393.5	1413.3	1392.7	1283.6	1131.4	983.3	919.9	907.7
17.5°	1171.5	1269.9	1300.9	1312.5	1326.4	1277.8	1160.3	1019.2	938.9	927.4
20°	1213.8	1230.4	1214.3	1228.8	1266.3	1283.5	1229.1	1106.0	1009.7	994.2
22.5°	1285.6	1209.9	1164.8	1170.6	1216.2	1302.0	1334.3	1229.9	1118.8	1099.4
25°	1369.3	1226.5	1137.3	1132.2	1179.0	1326.5	1430.5	1364.8	1247.9	1226.5
27.5°	1474.5	1263.6	1131.7	1126.6	1166.1	1349.5	1510.4	1498.1	1383.8	1347.3
30°	1555.7	1300.2	1148.4	1136.6	1179.0	1365.4	1574.6	1611.3	1492.2	1468.0
32.5°	1613.9	1343.2	1175.6	1158.4	1215.5	1392.9	1624.1	1714.9	1592.4	1555.7
35°	1658.2	1390.1	1219.4	1191.2	1265.8	1434.6	1670.4	1825.3	1699.0	1658.9
37.5°	1699.8	1455.8	1288.0	1254.3	1344.6	1501.7	1719.4	1950.5	1818.2	1770.3
40°	1757.7	1530.2	1393.7	1363.7	1477.2	1593.2	1780.6	2081.0	1953.9	1893.6
42.5°	1815.6	1610.2	1501.8	1510.0	1642.5	1704.3	1859.6	2219.0	2087.8	2023.5
45°	1868.5	1692.6	1655.9	1693.4	1795.9	1826.2	1938.1	2298.7	2194.8	2132.6
47.5°	1915.7	1795.6	1809.0	1908.8	1970.4	1936.6	1996.8	2367.6	2274.4	2219.6
50°	1970.4	1928.9	2010.9	2152.0	2171.3	2036.5	2050.2	2449.0	2367.4	2323.4
52.5°	2030.4	2069.4	2234.4	2358.8	2352.6	2145.0	2103.9	2540.4	2494.9	2453.6
55°	2098.4	2182.9	2431.2	2552.4	2547.1	2266.1	2192.9	2653.2	2654.8	2617.3
57.5°	2199.4	2280.6	2564.9	2709.0	2717.8	2406.0	2343.7	2779.7	2799.3	2774.4
59°	2271.9	2344.0	2617.8	2774.4	2810.6	2514.1	2453.9	2853.0	2840.1	2817.3
60°	2325.6	2384.3	2644.0	2808.5	2864.4	2587.5	2535.2	2896.1	2844.9	2817.3
62.5°	2458.4	2472.0	2691.3	2847.3	2926.4	2750.5	2764.1	2969.5	2811.4	2766.2
65°	2520.4	2527.4	2690.7	2777.9	2866.5	2877.4	2971.7	2971.7	2729.4	2660.1
67.5°	2494.5	2460.6	2557.2	2548.2	2636.5	2802.0	3049.7	2862.7	2572.7	2483.1
70°	2283.7	2153.4	2110.5	2114.4	2182.0	2437.2	2895.2	2542.1	2276.1	2171.3
72.5°	1900.2	1587.5	1481.5	1602.5	1620.2	1873.0	2467.3	1914.4	1678.5	1580.4
75°	1528.4	1119.1	946.7	1074.4	1104.4	1370.7	1908.6	1192.3	980.5	904.0
77.5°	1098.0	803.3	679.3	670.4	709.2	869.3	1354.3	600.0	500.5	467.0
80°	623.8	528.7	569.3	537.1	556.7	543.5	643.4	263.2	215.6	201.5
82.5°	376.5	312.5	338.4	281.8	356.5	310.5	247.9	84.3	73.2	69.6
85°	244.9	170.8	89.0	59.6	122.9	198.4	55.4	22.9	17.6	14.0
87.5°	84.4	43.6	4.4	1.9	13.1	37.0	2.0	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

(END OF REPORT)