

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: P324116

Luminaire Tested: **GAN-SA2B-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324116
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-SA2B-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7895 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

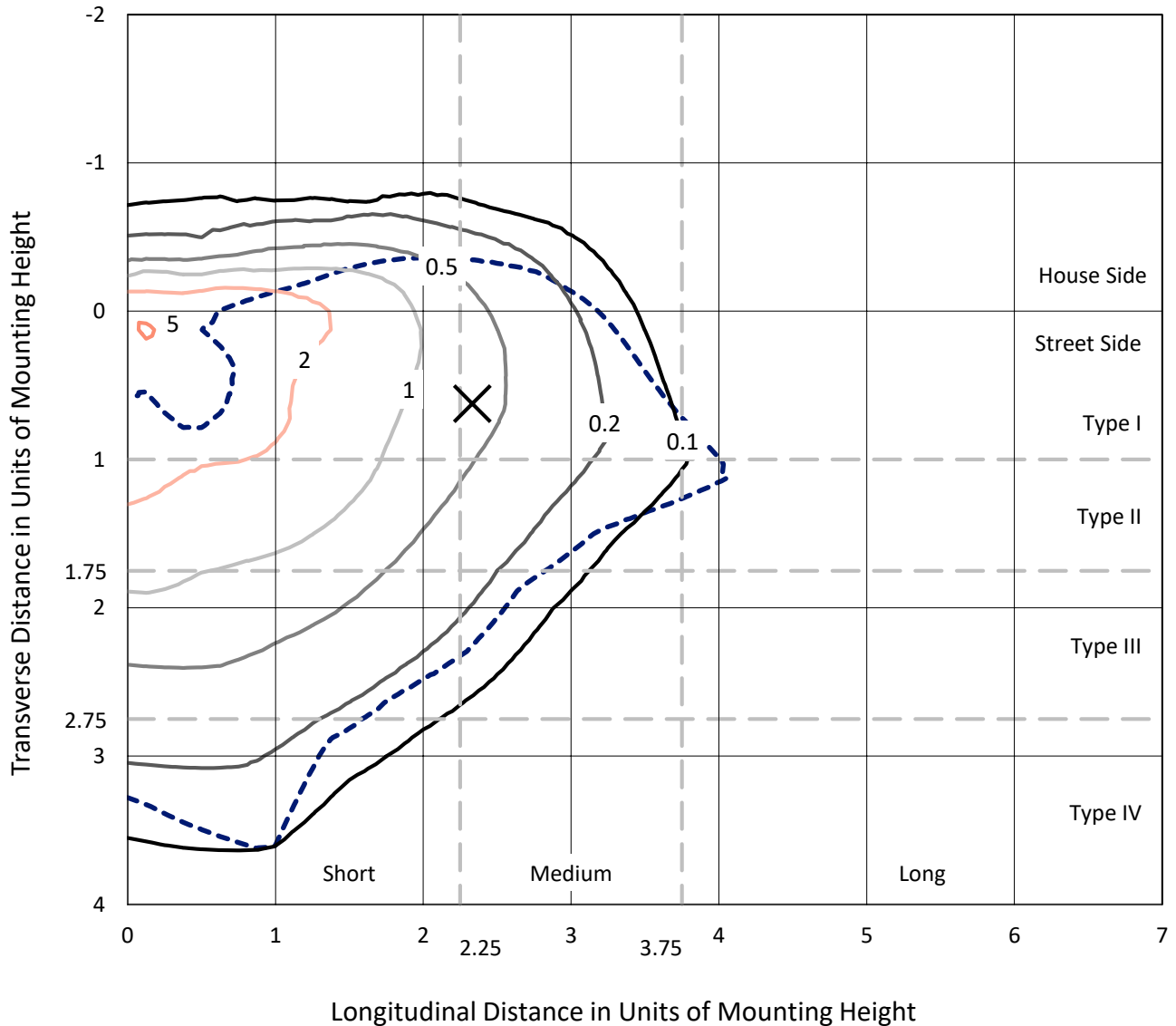
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324116
 CATALOG NUMBER: GAN-SA2B-730-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

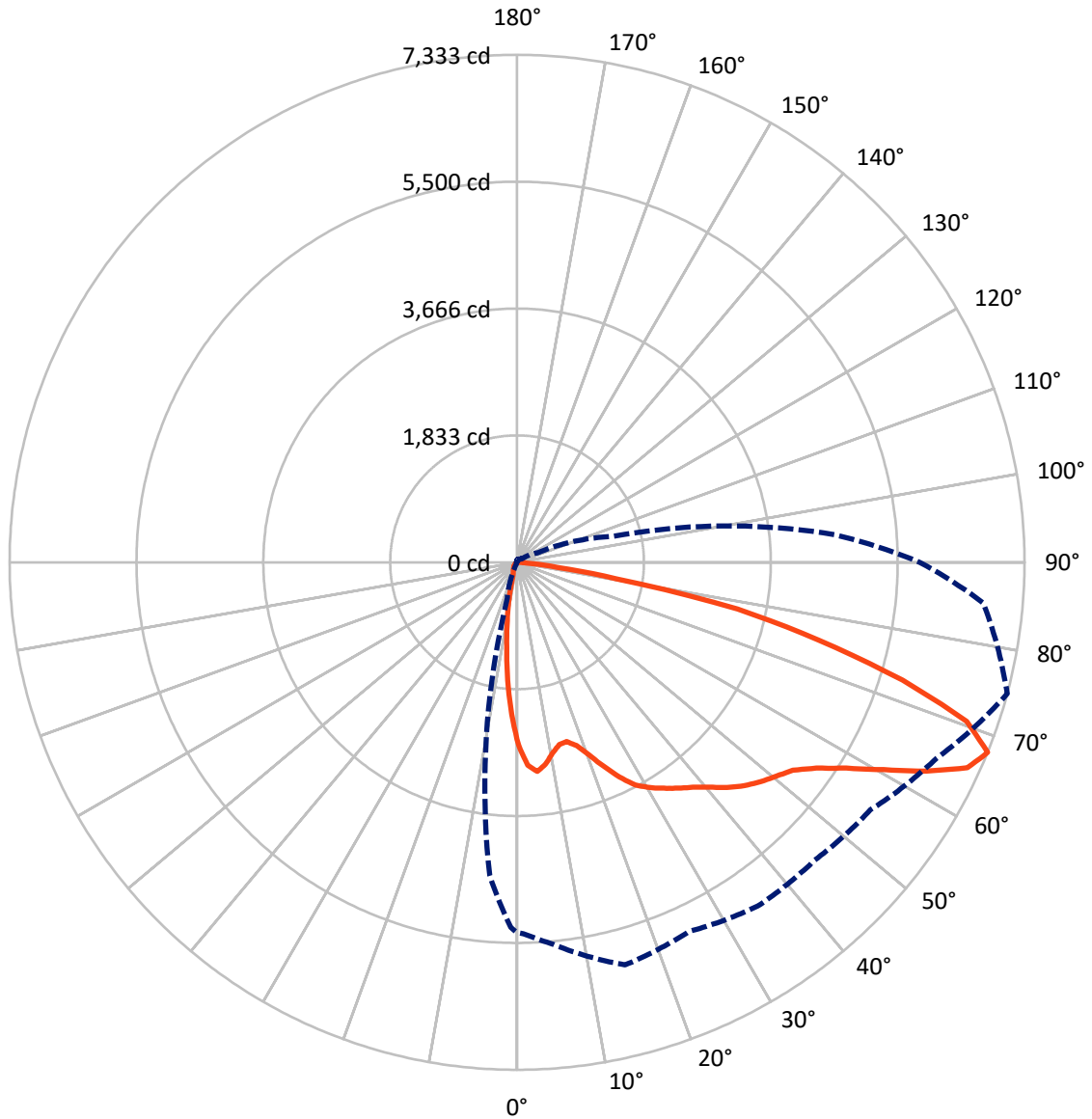
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P324116
CATALOG NUMBER: GAN-SA2B-730-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P324116
 CATALOG NUMBER: GAN-SA2B-730-U-SLL-HSS

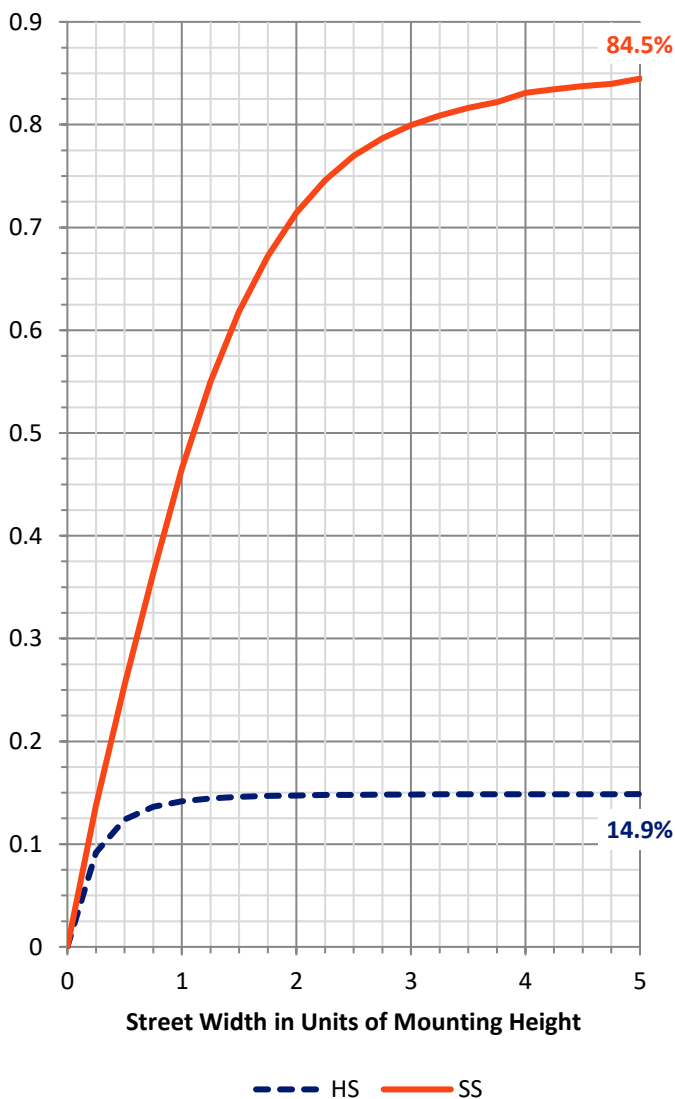
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1184.7	0.0	1184.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	6710.3	0.0	6710.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	7895.0	0.0	7895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	2.5
10°-20°	395.6	5.0
20°-30°	559.7	7.1
30°-40°	822.9	10.4
40°-50°	1182.7	15.0
50°-60°	1665.0	21.1
60°-70°	1944.5	24.6
70°-80°	992.0	12.6
80°-90°	131.8	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°	7895.0	100.0
0°-180°	7895.0	100.0

Coefficient of Utilization

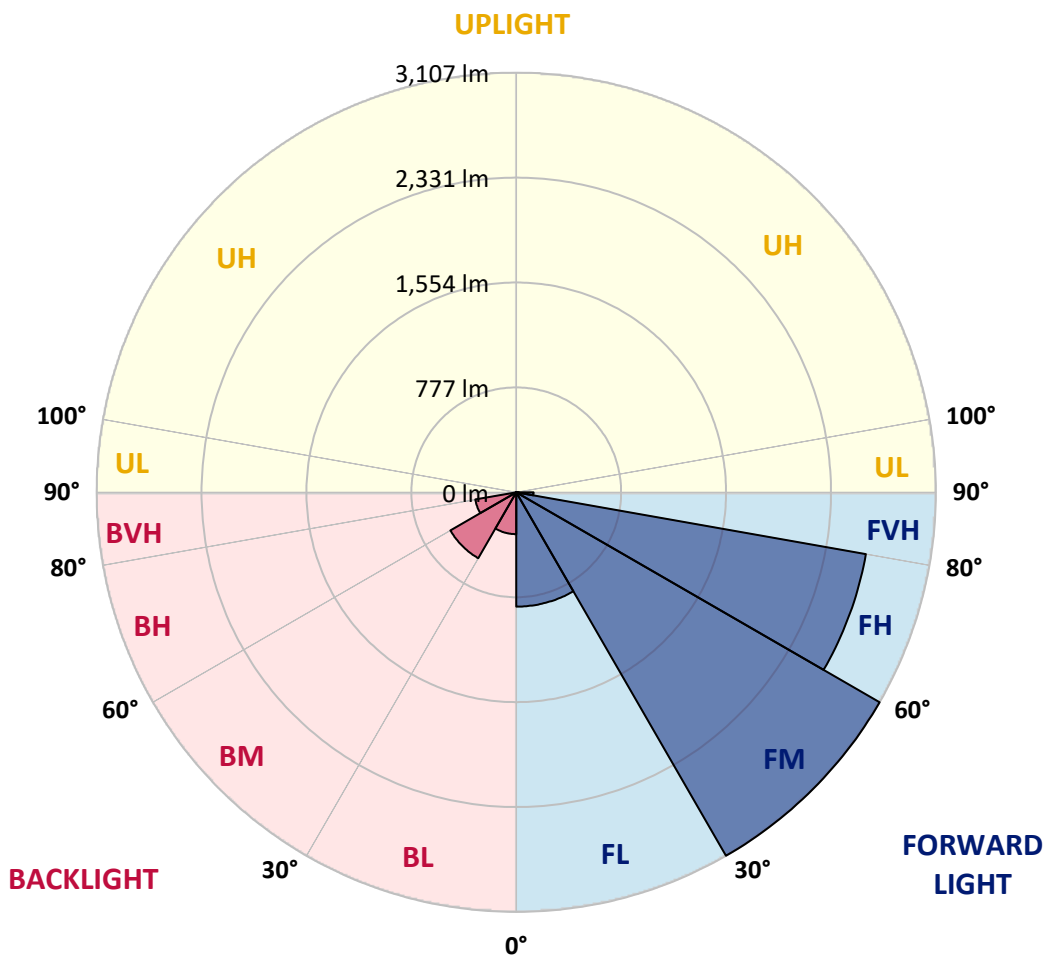


REPORT NUMBER: P324116
 CATALOG NUMBER: GAN-SA2B-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	846.3	10.7			
FM (30°-60°)	3107.3	39.4			
FH (60°-80°)	2628.8	33.3			G2/5000
FVH (80°-90°)	127.8	1.6			G2/225
BL (0°-30°)	309.8	3.9	B1/500		
BM (30°-60°)	563.2	7.1	B1/1000		
BH (60°-80°)	307.7	3.9	B1/500		G1/500
BVH (80°-90°)	4.0	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-G2
 Type III Medium





REPORT NUMBER: P324116
 CATALOG NUMBER: GAN-SA2B-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6
2.5°	2871.2	2875.7	2898.8	2952.7	3011.4	3015.9	3055.5	3014.8	3000.9	2935.1	2867.1
5°	2892.9	2910.1	2989.7	3147.9	3285.2	3329.3	3360.7	3280.7	3196.5	3035.7	2864.1
7.5°	2718.2	2747.0	2872.3	3169.2	3414.6	3523.0	3543.6	3418.3	3212.2	2947.5	2689.4
10°	2494.6	2527.5	2678.6	3043.6	3380.5	3566.4	3594.8	3430.7	3134.5	2804.6	2500.5
12.5°	2313.5	2352.1	2506.5	2902.2	3263.5	3469.2	3525.3	3389.1	3067.1	2703.2	2371.5
15°	2230.1	2274.3	2436.6	2811.0	3133.7	3295.7	3342.0	3283.3	3029.7	2687.2	2341.6
17.5°	2278.0	2325.9	2493.4	2818.8	3011.8	3081.0	3118.4	3142.3	3029.7	2784.0	2429.1
20°	2474.4	2526.0	2703.2	2898.5	2910.8	2885.0	2925.0	3009.2	3064.9	2968.0	2639.3
22.5°	2745.9	2806.5	3006.6	3035.0	2861.4	2763.8	2769.1	2901.1	3128.8	3201.4	2931.0
25°	3076.9	3150.9	3354.4	3238.4	2882.0	2691.6	2689.8	2812.1	3191.3	3435.2	3256.0
27.5°	3405.6	3487.1	3665.9	3486.8	2966.9	2678.6	2674.8	2785.1	3252.3	3643.1	3610.9
30°	3681.2	3760.5	3914.6	3666.7	3058.5	2709.2	2691.3	2813.9	3288.5	3778.1	3869.7
32.5°	3905.6	3969.2	4093.8	3790.4	3156.5	2768.7	2729.8	2891.0	3350.3	3892.2	4107.6
35°	4152.5	4219.4	4269.2	3908.3	3266.5	2854.3	2798.6	3013.3	3445.2	4008.1	4368.3
37.5°	4434.1	4500.7	4494.7	4016.0	3406.0	2996.1	2960.5	3207.0	3593.0	4122.9	4659.2
40°	4709.7	4777.8	4729.2	4133.8	3569.8	3229.8	3203.6	3498.0	3790.8	4269.9	5000.3
42.5°	4967.8	5041.5	4937.5	4245.2	3765.0	3524.5	3569.4	3872.7	4038.4	4450.9	5294.3
45°	5175.7	5250.9	5112.1	4353.7	3970.7	3882.1	4017.1	4287.9	4336.1	4603.9	5492.9
47.5°	5326.8	5397.9	5233.3	4462.1	4234.0	4319.3	4554.5	4723.2	4605.0	4736.7	5633.9
50°	5423.3	5478.7	5268.9	4597.9	4579.6	4829.4	5114.4	5196.7	4858.2	4856.3	5805.2
52.5°	5484.6	5509.7	5295.0	4739.6	4940.1	5384.8	5662.7	5688.5	5118.9	4988.0	6035.9
55°	5696.0	5716.2	5480.5	4911.3	5238.2	5871.4	6158.6	6134.7	5414.0	5245.7	6308.2
57.5°	6056.5	6077.8	5863.9	5158.1	5479.4	6172.1	6518.0	6561.0	5759.9	5607.7	6599.9
60°	6237.5	6277.1	6200.8	5470.8	5713.2	6364.3	6763.0	6900.2	6192.2	6084.9	6882.6
62.5°	6073.3	6130.9	6241.6	5817.5	5945.4	6470.1	6839.3	7021.8	6635.1	6641.0	7056.9
65°	5745.7	5791.7	5979.4	6007.5	6080.0	6457.0	6650.8	6852.0	6906.2	7151.9	7047.6
67.5°	5350.0	5367.2	5526.5	6022.5	5884.8	6063.6	6084.5	6233.4	6691.9	7332.9	6764.5
70°	4780.4	4789.8	4928.9	5521.7	5057.2	5096.4	5065.4	5095.7	5753.2	6892.0	6049.8
72.5°	3847.3	3870.9	4068.7	4585.6	3684.2	3570.9	3814.8	3801.3	4430.7	5822.7	4493.2
75°	2832.6	2873.4	3172.2	3693.6	2585.8	2339.0	2517.0	2564.5	3149.8	4504.0	2809.8
77.5°	1983.3	2013.6	2303.1	2715.2	1871.5	1672.5	1608.2	1664.7	2079.0	3258.3	1415.6
80°	1142.6	1153.8	1338.5	1567.8	1261.1	1442.9	1307.1	1346.0	1245.8	1449.6	608.9
82.5°	747.6	749.5	821.7	933.1	785.4	912.5	675.4	863.6	766.3	582.3	198.2
85°	403.9	406.2	476.5	662.3	444.7	251.3	147.7	303.3	473.9	133.5	54.2
87.5°	44.5	40.8	143.6	240.9	123.4	22.8	7.9	34.0	75.9	8.6	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: P324116
 CATALOG NUMBER: GAN-SA2B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6
2.5°	2832.3	2801.2	2723.8	2641.9	2576.1	2514.4	2452.3	2376.4	2317.7	2305.7	2286.2
5°	2771.7	2673.3	2511.0	2347.9	2216.7	2051.0	1945.9	1864.0	1784.0	1779.1	1763.0
7.5°	2560.0	2430.6	2202.1	1976.6	1791.8	1634.0	1474.7	1368.1	1284.3	1254.8	1237.2
10°	2356.5	2211.1	1925.7	1668.4	1503.5	1364.0	1251.8	1140.3	1039.3	969.8	938.4
12.5°	2214.4	2053.6	1739.1	1517.3	1399.1	1266.7	1129.8	990.7	874.4	790.6	739.4
15°	2159.5	1987.8	1676.6	1457.5	1311.6	1144.1	969.0	810.1	681.0	605.1	559.1
17.5°	2224.9	2025.2	1671.8	1384.5	1180.7	972.4	779.0	591.3	469.7	412.1	382.6
20°	2391.0	2144.1	1669.9	1295.1	1025.1	768.9	527.7	389.0	315.3	283.1	269.3
22.5°	2625.8	2296.0	1684.9	1206.9	863.2	549.4	364.3	285.7	248.0	230.8	222.9
25°	2928.0	2509.1	1727.1	1126.8	711.0	409.9	283.9	239.4	212.8	199.3	193.7
27.5°	3250.0	2754.5	1792.9	1057.3	587.2	326.9	243.1	204.9	185.9	176.5	171.3
30°	3515.6	3038.7	1859.5	979.9	497.4	285.0	222.5	187.0	164.9	158.9	154.1
32.5°	3747.8	3253.8	1906.6	909.9	438.7	253.2	201.2	167.2	152.2	140.6	135.4
35°	3988.3	3432.9	1905.1	860.9	398.3	229.3	183.3	149.6	131.6	118.2	114.1
37.5°	4248.6	3635.2	1872.6	819.1	380.7	210.2	173.2	140.2	122.3	108.8	103.6
40°	4553.4	3847.7	1839.3	779.8	375.9	194.9	166.1	132.8	113.7	100.6	95.4
42.5°	4850.4	4039.2	1810.1	750.6	354.9	194.5	159.7	127.2	107.0	94.2	88.3
45°	5087.8	4217.5	1804.5	733.0	332.9	201.2	156.3	123.4	101.7	89.0	83.4
47.5°	5285.3	4411.3	1840.4	720.7	311.9	183.6	164.6	120.8	96.9	84.5	78.2
50°	5520.2	4649.1	1925.0	700.5	289.8	165.3	188.5	121.5	92.8	80.0	73.3
52.5°	5847.8	4978.3	2049.1	666.5	259.6	148.5	185.5	122.3	88.3	75.2	68.4
55°	6215.1	5389.3	2182.6	610.0	217.3	126.4	158.9	117.1	79.7	69.9	63.6
57.5°	6601.0	5762.2	2261.9	542.7	172.8	109.2	127.2	106.6	70.3	62.8	58.7
60°	6661.6	5903.9	2225.6	460.0	137.3	95.0	94.2	108.5	62.8	55.4	52.4
62.5°	6510.9	5725.9	2050.2	386.3	114.8	83.4	77.4	94.6	56.8	49.4	46.4
65°	6221.0	5244.5	1766.0	348.2	106.6	71.4	64.3	66.6	49.7	43.0	40.4
67.5°	5817.9	4602.0	1450.0	326.5	105.5	61.3	55.0	50.5	43.0	37.4	35.2
70°	4993.6	3833.8	1156.8	314.5	102.5	51.6	46.4	41.1	35.9	31.8	29.9
72.5°	3675.3	2716.7	899.8	301.4	103.2	41.1	40.4	34.0	28.8	24.7	23.9
75°	2123.5	1552.1	590.2	244.2	98.4	31.8	33.7	23.9	20.2	17.2	17.2
77.5°	1131.7	946.6	224.8	101.7	35.9	20.2	19.1	14.2	12.7	10.5	10.1
80°	493.3	416.6	67.7	28.4	19.8	10.8	7.1	6.4	5.6	4.5	4.1
82.5°	174.7	150.7	22.1	13.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.6	28.4	0.0	3.4	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: P324116
 CATALOG NUMBER: GAN-SA2B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6
2.5°	2246.6	2238.4	2189.7	2191.6	2200.2	2212.6	2183.4	2196.9	2233.1	2267.9	2281.0
5°	1737.2	1739.1	1709.5	1727.9	1744.3	1755.5	1708.4	1709.2	1738.0	1777.2	1797.8
7.5°	1224.1	1221.1	1222.6	1266.3	1297.4	1275.0	1292.5	1231.6	1235.3	1263.4	1242.4
10°	909.9	868.8	845.6	878.5	912.5	900.2	869.9	850.1	863.9	895.0	892.7
12.5°	715.1	656.0	621.2	597.6	625.7	602.5	601.8	584.6	565.9	569.2	619.0
15°	537.8	494.8	453.7	415.9	415.1	407.3	367.3	322.4	318.6	320.9	346.7
17.5°	369.9	355.3	338.5	305.9	297.3	264.4	225.5	207.6	198.6	202.7	211.3
20°	259.9	254.3	256.2	238.6	226.3	194.9	172.0	164.9	163.4	167.6	171.7
22.5°	215.4	205.3	204.2	196.3	184.0	161.2	148.9	144.7	142.9	146.6	149.6
25°	188.5	178.4	174.3	169.4	156.3	140.6	133.1	129.4	127.5	129.8	131.6
27.5°	166.1	156.7	153.0	149.6	136.9	125.7	119.7	116.3	114.8	115.6	117.4
30°	149.2	141.0	136.1	132.0	121.2	113.3	108.1	104.7	103.2	103.2	105.1
32.5°	131.6	127.2	122.7	117.4	107.3	102.1	96.9	93.1	91.6	92.0	93.5
35°	109.6	108.1	109.2	104.3	95.7	91.3	86.0	81.9	80.8	81.2	82.7
37.5°	97.2	90.5	94.6	92.0	87.1	81.2	74.4	70.7	68.8	69.9	70.7
40°	89.4	81.2	78.2	80.8	80.0	70.3	64.3	60.6	59.1	59.5	60.2
42.5°	82.7	72.9	66.2	65.8	70.3	61.3	55.0	51.6	49.7	49.7	50.5
45°	76.3	65.8	57.6	51.2	59.1	52.0	46.0	43.0	40.8	40.8	41.1
47.5°	71.4	59.8	50.1	41.9	44.5	42.6	37.8	34.8	32.5	32.5	32.9
50°	66.9	53.9	43.4	35.2	33.3	35.2	30.7	27.3	25.8	25.4	26.2
52.5°	62.1	47.9	37.0	29.9	26.2	26.6	23.9	21.7	19.8	19.8	20.6
55°	57.2	43.0	32.2	25.4	21.7	19.8	19.1	17.6	16.1	16.1	16.8
57.5°	52.4	37.8	27.3	20.9	17.2	15.7	15.7	14.6	13.5	13.5	14.2
60°	47.9	32.5	22.4	17.2	13.5	13.1	13.5	12.3	11.6	11.6	12.3
62.5°	42.6	27.7	18.3	14.2	10.8	10.5	11.6	10.8	10.1	10.1	10.8
65°	36.3	23.6	14.6	10.8	8.2	8.2	9.7	9.0	8.2	8.2	9.0
67.5°	30.7	19.8	11.2	7.9	6.0	6.4	8.2	7.5	7.1	7.1	7.9
70°	25.4	15.3	7.9	4.9	3.4	4.9	6.4	6.4	6.4	6.4	7.1
72.5°	19.1	10.5	4.5	1.9	1.5	3.4	5.2	6.0	5.6	5.6	6.7
75°	12.3	6.0	1.5	0.0	0.0	1.9	4.1	4.9	4.9	4.5	5.6
77.5°	7.1	1.9	0.0	0.0	0.0	0.0	2.6	2.2	1.9	1.5	2.6
80°	1.9	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: P324116
 CATALOG NUMBER: GAN-SA2B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6	2648.6
2.5°	2333.7	2377.9	2439.9	2505.8	2607.1	2687.5	2766.4	2834.1	2860.3	2871.2
5°	1847.2	1911.9	2002.7	2119.4	2302.3	2466.9	2633.7	2801.6	2874.5	2892.9
7.5°	1325.4	1408.1	1523.7	1669.9	1884.2	2097.4	2330.4	2576.8	2689.8	2718.2
10°	981.0	1082.0	1214.4	1368.5	1573.0	1792.2	2046.1	2327.7	2456.8	2494.6
12.5°	696.0	832.5	1009.8	1197.2	1374.4	1570.0	1827.0	2137.4	2272.8	2313.5
15°	408.8	540.8	750.6	1001.6	1228.6	1426.8	1687.8	2039.8	2189.0	2230.1
17.5°	234.5	300.3	458.9	738.6	1046.8	1321.3	1644.1	2064.1	2239.9	2278.0
20°	179.1	200.1	264.4	475.7	834.4	1217.7	1644.1	2201.7	2418.3	2474.4
22.5°	156.7	172.0	198.2	283.9	614.1	1106.7	1663.2	2400.7	2683.8	2745.9
25°	139.1	153.0	175.4	213.6	418.9	974.6	1708.4	2644.9	2996.5	3076.9
27.5°	124.5	137.6	157.8	187.0	286.5	815.3	1769.4	2931.4	3341.3	3405.6
30°	111.5	123.8	142.1	162.7	221.0	634.7	1821.4	3201.4	3612.1	3681.2
32.5°	99.1	110.3	126.8	142.1	181.0	469.4	1827.0	3415.3	3836.8	3905.6
35°	87.5	97.6	112.6	124.5	150.0	370.6	1739.8	3600.8	4061.6	4152.5
37.5°	76.3	86.0	99.1	108.1	132.0	302.2	1606.7	3807.7	4349.9	4434.1
40°	65.8	74.4	87.9	93.9	124.9	232.3	1461.9	4024.6	4632.7	4709.7
42.5°	56.1	64.3	77.4	89.0	109.6	173.5	1305.6	4228.0	4887.0	4967.8
45°	46.7	55.4	68.4	94.2	90.9	129.8	1138.4	4363.0	5087.8	5175.7
47.5°	37.8	47.5	65.4	89.8	72.6	95.4	1006.0	4490.9	5240.1	5326.8
50°	30.3	40.0	73.7	80.0	59.5	72.9	950.7	4605.4	5339.9	5423.3
52.5°	24.7	33.7	69.6	61.3	49.7	60.2	980.6	4790.9	5432.3	5484.6
55°	20.6	26.6	41.9	42.6	42.3	51.2	1017.6	5057.2	5671.3	5696.0
57.5°	18.0	21.3	29.2	32.9	35.5	45.6	1018.4	5439.4	6041.2	6056.5
60°	15.3	18.7	24.3	26.6	30.7	40.8	981.4	5572.9	6186.6	6237.5
62.5°	13.5	16.5	20.2	22.1	25.8	36.7	894.6	5379.6	5986.9	6073.3
65°	12.0	15.0	16.8	18.7	22.8	32.9	751.7	4992.8	5655.6	5745.7
67.5°	10.5	13.1	15.0	16.8	20.6	29.2	553.5	4543.7	5275.2	5350.0
70°	9.3	11.6	13.5	15.0	18.0	24.7	335.8	3855.5	4749.4	4780.4
72.5°	9.0	10.5	12.3	13.5	15.7	21.7	170.2	2833.4	3796.8	3847.3
75°	7.9	9.3	11.2	12.0	13.8	18.7	69.2	1861.0	2751.5	2832.6
77.5°	6.4	8.6	10.1	10.8	12.0	15.3	35.2	1189.3	1930.9	1983.3
80°	2.2	6.4	8.6	9.0	10.1	11.2	23.2	651.1	1120.1	1142.6
82.5°	0.0	4.1	6.7	6.4	7.1	8.6	15.0	309.7	739.4	747.6
85°	0.0	1.9	5.2	4.1	3.0	6.0	5.2	67.7	387.8	403.9
87.5°	0.0	0.0	0.4	1.9	1.5	2.2	0.7	0.4	35.2	44.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)