

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: P324129

Luminaire Tested: **GAN-SA5C-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324129
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-SA5C-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1050mA 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: 23868 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

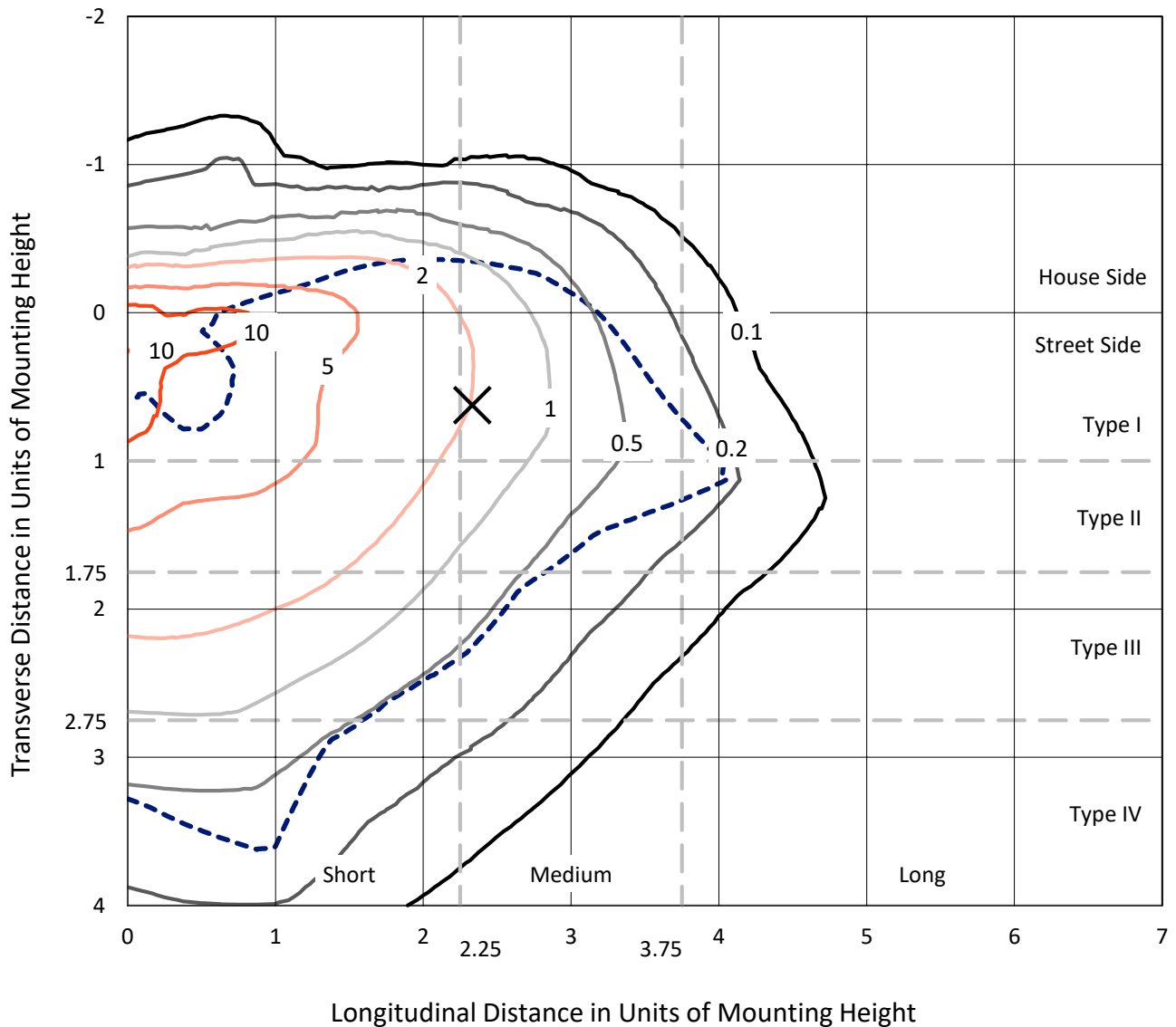
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

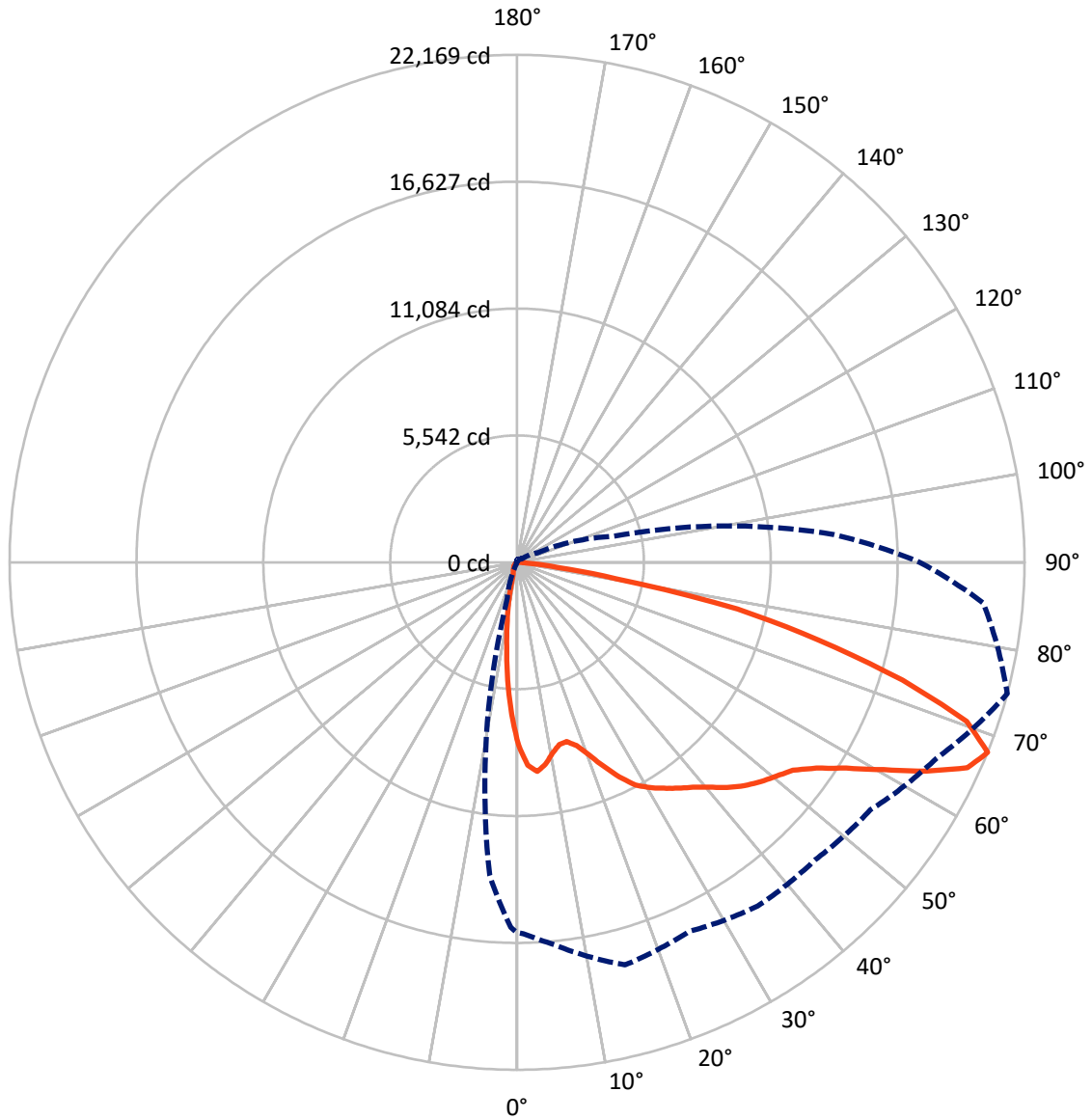
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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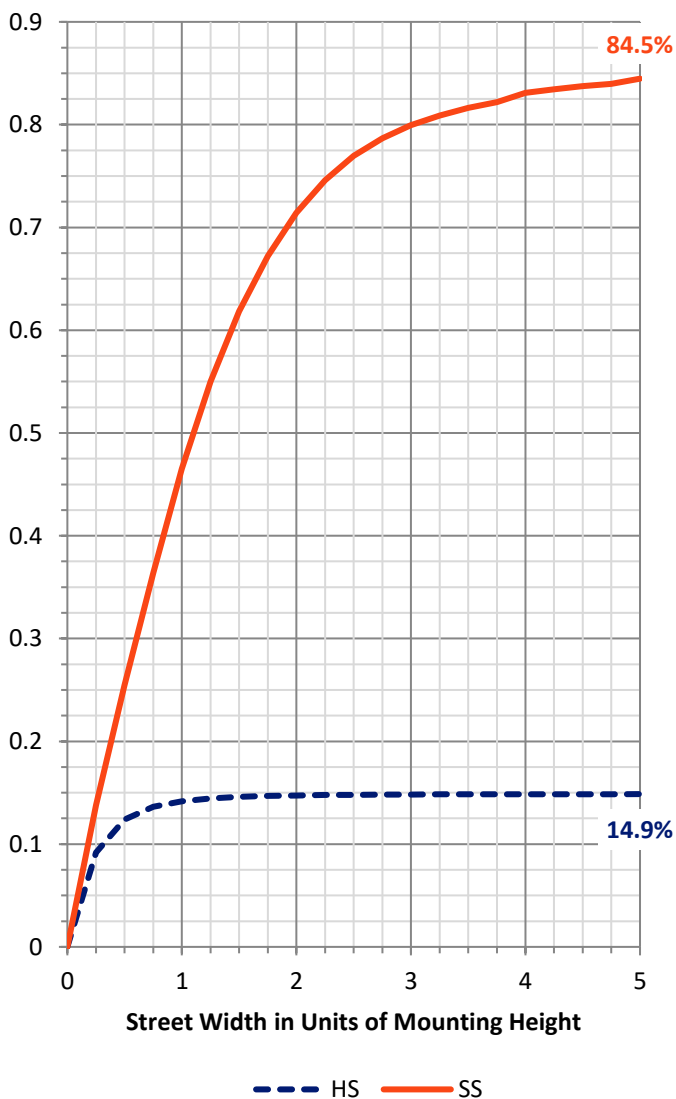
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3581.6	0.0	3581.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	20286.4	0.0	20286.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	23868.0	0.0	23868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.4	2.5
10°-20°	1196.0	5.0
20°-30°	1691.9	7.1
30°-40°	2487.6	10.4
40°-50°	3575.6	15.0
50°-60°	5033.4	21.1
60°-70°	5878.6	24.6
70°-80°	2999.1	12.6
80°-90°	398.4	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°	23868.0	100.0
0°-180°	23868.0	100.0

Coefficient of Utilization

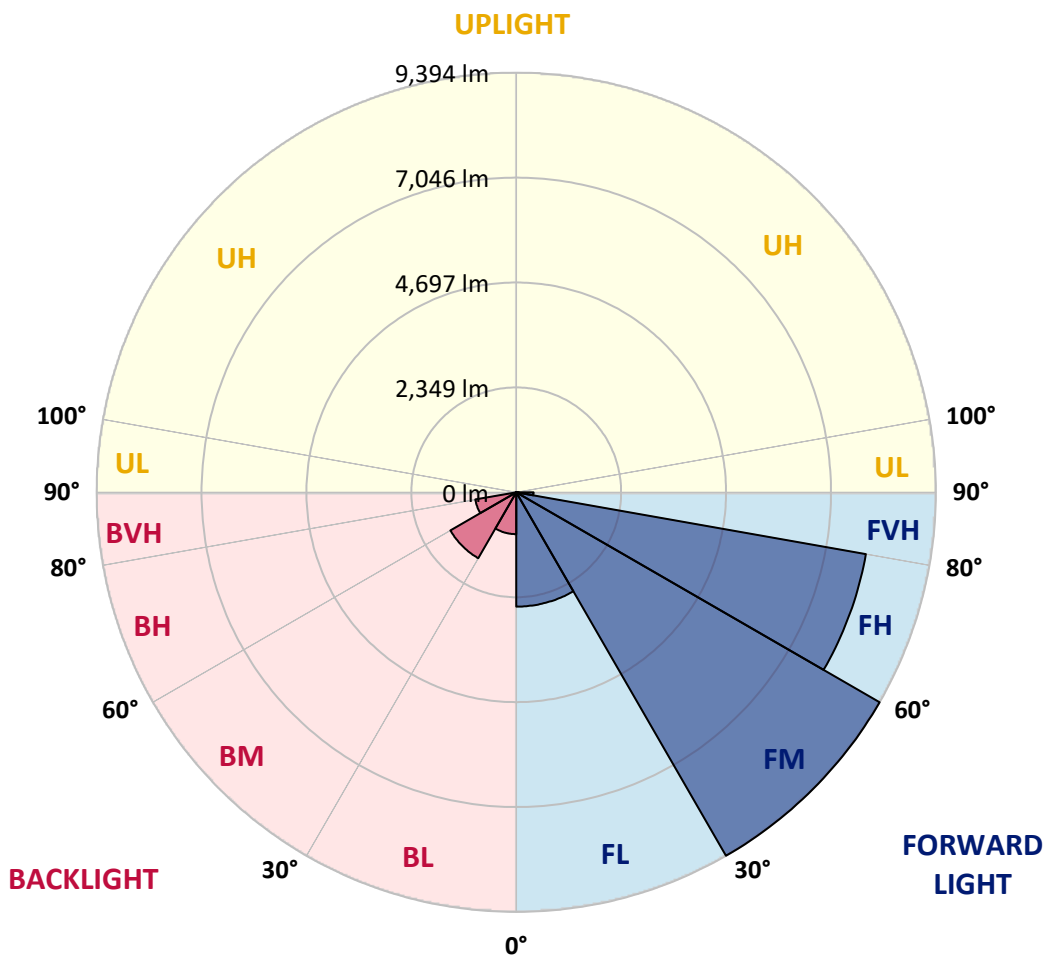


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2558.7	10.7			
FM (30°-60°)	9394.0	39.4			
FH (60°-80°)	7947.4	33.3			G4/12000
FVH (80°-90°)	386.3	1.6			G3/500
BL (0°-30°)	936.6	3.9	B2/1000		
BM (30°-60°)	1702.6	7.1	B2/2500		
BH (60°-80°)	930.3	3.9	B2/1000		G2/1000
BVH (80°-90°)	12.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3
2.5°	8680.0	8693.6	8763.7	8926.5	9104.0	9117.6	9237.5	9114.2	9072.4	8873.4	8667.6
5°	8745.6	8797.6	9038.5	9516.7	9931.7	10065.1	10160.1	9918.1	9663.7	9177.5	8658.6
7.5°	8217.6	8304.7	8683.4	9581.2	10322.9	10650.8	10713.0	10334.2	9711.2	8910.7	8130.5
10°	7541.5	7641.0	8097.8	9201.3	10220.0	10781.9	10867.9	10371.5	9476.0	8478.8	7559.6
12.5°	6994.2	7110.7	7577.7	8773.9	9866.1	10488.0	10657.6	10246.0	9272.5	8172.4	7169.5
15°	6742.1	6875.5	7366.2	8498.0	9473.8	9963.3	10103.5	9926.0	9159.4	8123.8	7079.0
17.5°	6886.8	7031.5	7538.1	8521.8	9105.2	9314.3	9427.4	9499.8	9159.4	8416.6	7343.6
20°	7480.4	7636.5	8172.4	8762.6	8799.9	8721.9	8842.9	9097.3	9265.7	8972.9	7979.0
22.5°	8301.3	8484.4	9089.3	9175.3	8650.6	8355.5	8371.4	8770.5	9459.1	9678.4	8861.0
25°	9301.9	9525.8	10140.9	9790.4	8712.8	8137.3	8131.7	8501.4	9647.9	10385.1	9843.5
27.5°	10295.8	10542.2	11082.7	10541.1	8969.5	8097.8	8086.5	8420.0	9832.2	11013.7	10916.5
30°	11129.0	11368.7	11834.6	11085.0	9246.5	8190.5	8136.2	8507.1	9941.9	11421.9	11698.9
32.5°	11807.4	11999.7	12376.2	11459.2	9542.7	8370.2	8252.7	8740.0	10128.4	11766.7	12418.0
35°	12553.7	12756.1	12906.4	11815.4	9875.1	8629.2	8460.7	9109.7	10415.6	12117.2	13206.1
37.5°	13405.1	13606.3	13588.2	12141.0	10296.9	9057.7	8950.3	9695.4	10862.2	12464.4	14085.7
40°	14238.4	14444.1	14297.1	12497.1	10792.1	9764.3	9685.2	10575.0	11460.3	12908.7	15116.9
42.5°	15018.5	15241.2	14926.9	12834.1	11382.3	10655.3	10791.0	11707.9	12208.8	13455.9	16005.6
45°	15647.1	15874.4	15454.9	13162.0	12004.2	11736.2	12144.4	12963.0	13108.8	13918.4	16605.9
47.5°	16103.9	16318.8	15821.3	13489.9	12800.2	13057.9	13769.1	14279.1	13921.8	14319.8	17032.2
50°	16395.6	16563.0	15928.7	13900.3	13844.9	14600.2	15461.7	15710.5	14687.2	14681.6	17550.0
52.5°	16581.1	16656.8	16007.8	14328.8	14934.8	16279.2	17119.3	17197.3	15475.3	15079.6	18247.7
55°	17219.9	17280.9	16568.6	14847.8	15836.0	17750.2	18618.5	18546.2	16367.4	15858.6	19070.8
57.5°	18309.8	18374.3	17727.6	15594.0	16565.2	18659.2	19705.1	19835.1	17413.2	16953.1	19952.7
60°	18857.1	18976.9	18746.3	16539.2	17271.9	19240.4	20445.7	20860.6	18720.3	18395.8	20807.5
62.5°	18360.7	18534.8	18869.5	17587.4	17974.0	19560.3	20676.3	21228.1	20059.0	20077.1	21334.3
65°	17370.3	17509.3	18076.9	18161.7	18381.1	19520.8	20106.5	20714.7	20878.7	21621.5	21306.1
67.5°	16174.0	16226.0	16707.7	18207.0	17790.9	18331.3	18394.6	18844.6	20230.8	22168.8	20450.2
70°	14452.0	14480.3	14900.9	16693.0	15288.7	15407.4	15313.6	15405.2	17392.9	20835.7	18289.5
72.5°	11631.1	11702.3	12300.4	13863.0	11138.1	10795.5	11532.7	11492.0	13394.9	17603.2	13583.7
75°	8563.6	8686.8	9590.2	11166.4	7817.4	7071.1	7609.3	7752.9	9522.4	13616.5	8494.6
77.5°	5995.9	6087.5	6962.6	8208.6	5657.8	5056.3	4861.8	5032.5	6285.3	9850.3	4279.5
80°	3454.2	3488.1	4046.6	4739.7	3812.6	4362.1	3951.6	4069.2	3766.2	4382.4	1840.7
82.5°	2260.2	2265.8	2484.1	2821.0	2374.4	2758.8	2042.0	2610.7	2316.7	1760.4	599.2
85°	1221.1	1227.9	1440.5	2002.4	1344.3	759.8	446.6	917.0	1432.5	403.6	163.9
87.5°	134.5	123.2	434.2	728.1	373.1	69.0	23.7	102.9	229.5	26.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3
2.5°	8562.5	8468.6	8234.6	7987.0	7788.0	7601.4	7413.7	7184.2	7006.7	6970.5	6911.7
5°	8379.3	8081.9	7591.2	7098.3	6701.4	6200.5	5882.8	5635.2	5393.2	5378.5	5329.9
7.5°	7739.3	7348.1	6657.3	5975.5	5417.0	4939.8	4458.2	4135.9	3882.7	3793.4	3740.2
10°	7124.3	6684.4	5821.7	5043.9	4545.2	4123.5	3784.3	3447.4	3142.1	2931.8	2836.8
12.5°	6694.6	6208.4	5257.6	4587.1	4229.8	3829.5	3415.7	2995.1	2643.5	2390.2	2235.3
15°	6528.4	6009.4	5068.7	4406.2	3965.2	3458.7	2929.5	2449.0	2058.9	1829.4	1690.3
17.5°	6726.3	6122.5	5054.0	4185.7	3569.5	2939.7	2355.2	1787.6	1420.1	1246.0	1156.7
20°	7228.3	6482.1	5048.4	3915.5	3099.1	2324.6	1595.4	1175.9	953.1	855.9	814.1
22.5°	7938.3	6941.1	5093.6	3648.6	2609.6	1660.9	1101.3	863.8	749.6	697.6	673.9
25°	8851.9	7585.6	5221.4	3406.7	2149.4	1239.2	858.2	723.6	643.3	602.6	585.7
27.5°	9825.4	8327.3	5420.4	3196.4	1775.1	988.2	734.9	619.6	561.9	533.7	517.8
30°	10628.2	9186.6	5621.6	2962.3	1503.8	861.6	672.7	565.3	498.6	480.5	465.8
32.5°	11330.3	9836.7	5764.1	2750.9	1326.3	765.5	608.3	505.4	460.2	425.1	409.3
35°	12057.3	10378.3	5759.6	2602.8	1204.1	693.1	554.0	452.3	398.0	357.3	344.9
37.5°	12844.3	10990.0	5661.2	2476.1	1151.0	635.4	523.5	424.0	369.7	329.0	313.2
40°	13765.7	11632.2	5560.6	2357.4	1136.3	589.1	502.0	401.4	343.7	304.1	288.3
42.5°	14663.5	12211.1	5472.4	2269.2	1073.0	587.9	482.8	384.4	323.4	284.9	266.8
45°	15381.4	12750.4	5455.4	2216.1	1006.3	608.3	472.6	373.1	307.5	269.1	252.1
47.5°	15978.4	13336.1	5564.0	2178.8	943.0	555.2	497.5	365.2	292.8	255.5	236.3
50°	16688.5	14055.2	5819.5	2117.7	876.3	499.7	569.9	367.5	280.4	242.0	221.6
52.5°	17678.9	15050.2	6194.9	2014.8	784.7	448.9	560.8	369.7	266.8	227.3	206.9
55°	18789.2	16292.8	6598.5	1844.1	656.9	382.2	480.5	353.9	240.8	211.4	192.2
57.5°	19956.1	17420.0	6838.2	1640.6	522.4	330.2	384.4	322.2	212.6	190.0	177.5
60°	20139.2	17848.5	6728.5	1390.7	415.0	287.2	284.9	327.9	190.0	167.3	158.3
62.5°	19683.6	17310.3	6198.3	1168.0	347.1	252.1	234.0	286.1	171.9	149.2	140.2
65°	18807.3	15855.2	5339.0	1052.6	322.2	216.0	194.5	201.3	150.4	130.0	122.1
67.5°	17588.5	13912.7	4383.6	987.1	318.8	185.4	166.2	152.6	130.0	113.1	106.3
70°	15096.5	11590.4	3497.1	950.9	309.8	156.0	140.2	124.4	108.5	96.1	90.5
72.5°	11111.0	8213.1	2720.4	911.3	312.1	124.4	122.1	102.9	87.1	74.6	72.4
75°	6419.9	4692.2	1784.2	738.3	297.4	96.1	101.8	72.4	61.1	52.0	52.0
77.5°	3421.4	2861.7	679.5	307.5	108.5	61.1	57.7	43.0	38.4	31.7	30.5
80°	1491.3	1259.6	204.6	85.9	59.9	32.8	21.5	19.2	17.0	13.6	12.4
82.5°	528.0	455.7	66.7	41.8	26.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	119.8	85.9	0.0	10.2	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3
2.5°	6791.9	6767.0	6620.0	6625.6	6651.6	6689.0	6600.8	6641.5	6751.1	6856.3	6895.9
5°	5251.9	5257.6	5168.2	5223.6	5273.4	5307.3	5164.8	5167.1	5254.2	5372.9	5435.1
7.5°	3700.6	3691.6	3696.1	3828.4	3922.2	3854.4	3907.5	3723.3	3734.6	3819.4	3756.0
10°	2750.9	2626.5	2556.4	2655.9	2758.8	2721.5	2629.9	2570.0	2611.8	2705.7	2698.9
12.5°	2161.8	1983.2	1878.0	1806.8	1891.6	1821.5	1819.2	1767.2	1710.7	1720.9	1871.2
15°	1625.9	1495.9	1371.5	1257.3	1255.0	1231.3	1110.3	974.6	963.3	970.1	1048.1
17.5°	1118.2	1074.1	1023.2	924.9	898.9	799.4	681.8	627.5	600.4	612.8	638.8
20°	785.8	768.8	774.5	721.4	684.0	589.1	520.1	498.6	494.1	506.5	519.0
22.5°	651.3	620.7	617.3	593.6	556.3	487.3	450.0	437.6	431.9	443.2	452.3
25°	569.9	539.3	526.9	512.2	472.6	425.1	402.5	391.2	385.6	392.3	398.0
27.5°	502.0	473.7	462.4	452.3	413.8	379.9	361.8	351.6	347.1	349.4	355.0
30°	451.1	426.3	411.6	399.1	366.3	342.6	326.8	316.6	312.1	312.1	317.7
32.5°	398.0	384.4	370.9	355.0	324.5	308.7	292.8	281.5	277.0	278.1	282.7
35°	331.3	326.8	330.2	315.5	289.4	275.9	260.1	247.6	244.2	245.4	249.9
37.5°	294.0	273.6	286.1	278.1	263.4	245.4	225.0	213.7	208.0	211.4	213.7
40°	270.2	245.4	236.3	244.2	242.0	212.6	194.5	183.2	178.6	179.8	182.0
42.5°	249.9	220.5	200.1	199.0	212.6	185.4	166.2	156.0	150.4	150.4	152.6
45°	230.7	199.0	174.1	154.9	178.6	157.2	139.1	130.0	123.2	123.2	124.4
47.5°	216.0	180.9	151.5	126.6	134.5	128.9	114.2	105.2	98.4	98.4	99.5
50°	202.4	162.8	131.2	106.3	100.6	106.3	92.7	82.5	78.0	76.9	79.1
52.5°	187.7	144.7	111.9	90.5	79.1	80.3	72.4	65.6	59.9	59.9	62.2
55°	173.0	130.0	97.2	76.9	65.6	59.9	57.7	53.1	48.6	48.6	50.9
57.5°	158.3	114.2	82.5	63.3	52.0	47.5	47.5	44.1	40.7	40.7	43.0
60°	144.7	98.4	67.8	52.0	40.7	39.6	40.7	37.3	35.1	35.1	37.3
62.5°	128.9	83.7	55.4	43.0	32.8	31.7	35.1	32.8	30.5	30.5	32.8
65°	109.7	71.2	44.1	32.8	24.9	24.9	29.4	27.1	24.9	24.9	27.1
67.5°	92.7	59.9	33.9	23.7	18.1	19.2	24.9	22.6	21.5	21.5	23.7
70°	76.9	46.4	23.7	14.7	10.2	14.7	19.2	19.2	19.2	19.2	21.5
72.5°	57.7	31.7	13.6	5.7	4.5	10.2	15.8	18.1	17.0	17.0	20.4
75°	37.3	18.1	4.5	0.0	0.0	5.7	12.4	14.7	14.7	13.6	17.0
77.5°	21.5	5.7	0.0	0.0	0.0	0.0	7.9	6.8	5.7	4.5	7.9
80°	5.7	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: P324129
 CATALOG NUMBER: GAN-SA5C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3	8007.3
2.5°	7055.3	7188.7	7376.4	7575.4	7881.8	8124.9	8363.5	8568.1	8647.3	8680.0
5°	5584.3	5779.9	6054.7	6407.4	6960.3	7457.8	7962.1	8469.7	8690.2	8745.6
7.5°	4007.0	4256.9	4606.3	5048.4	5696.2	6340.7	7045.1	7790.2	8131.7	8217.6
10°	2965.7	3271.0	3671.2	4137.1	4755.5	5418.1	6185.8	7037.2	7427.3	7541.5
12.5°	2104.2	2516.8	3052.8	3619.2	4155.2	4746.5	5523.3	6461.7	6871.0	6994.2
15°	1235.8	1634.9	2269.2	3027.9	3714.2	4313.5	5102.7	6166.6	6617.7	6742.1
17.5°	708.9	907.9	1387.3	2233.0	3164.7	3994.6	4970.4	6240.1	6771.5	6886.8
20°	541.6	604.9	799.4	1438.2	2522.5	3681.4	4970.4	6656.2	7310.8	7480.4
22.5°	473.7	520.1	599.2	858.2	1856.5	3345.6	5028.0	7257.7	8113.6	8301.3
25°	420.6	462.4	530.3	645.6	1266.3	2946.5	5164.8	7996.0	9058.8	9301.9
27.5°	376.5	416.1	477.1	565.3	866.1	2464.8	5349.1	8862.1	10101.3	10295.8
30°	336.9	374.2	429.6	491.8	668.2	1918.7	5506.3	9678.4	10919.9	11129.0
32.5°	299.6	333.5	383.3	429.6	547.2	1419.0	5523.3	10325.2	11599.4	11807.4
35°	264.6	295.1	340.3	376.5	453.4	1120.5	5259.8	10886.0	12278.9	12553.7
37.5°	230.7	260.1	299.6	326.8	399.1	913.6	4857.3	11511.2	13150.7	13405.1
40°	199.0	225.0	265.7	283.8	377.6	702.1	4419.7	12167.0	14005.4	14238.4
42.5°	169.6	194.5	234.0	269.1	331.3	524.6	3947.1	12782.1	14774.3	15018.5
45°	141.3	167.3	206.9	284.9	274.7	392.3	3441.7	13190.2	15381.4	15647.1
47.5°	114.2	143.6	197.9	271.4	219.3	288.3	3041.5	13576.9	15841.6	16103.9
50°	91.6	121.0	222.7	242.0	179.8	220.5	2874.1	13922.9	16143.5	16395.6
52.5°	74.6	101.8	210.3	185.4	150.4	182.0	2964.6	14483.7	16422.8	16581.1
55°	62.2	80.3	126.6	128.9	127.8	154.9	3076.5	15288.7	17145.3	17219.9
57.5°	54.3	64.4	88.2	99.5	107.4	137.9	3078.8	16444.3	18263.5	18309.8
60°	46.4	56.5	73.5	80.3	92.7	123.2	2966.8	16847.9	18703.3	18857.1
62.5°	40.7	49.7	61.1	66.7	78.0	110.8	2704.5	16263.4	18099.5	18360.7
65°	36.2	45.2	50.9	56.5	69.0	99.5	2272.6	15094.3	17097.8	17370.3
67.5°	31.7	39.6	45.2	50.9	62.2	88.2	1673.4	13736.3	15947.9	16174.0
70°	28.3	35.1	40.7	45.2	54.3	74.6	1015.3	11655.9	14358.2	14452.0
72.5°	27.1	31.7	37.3	40.7	47.5	65.6	514.4	8565.8	11478.4	11631.1
75°	23.7	28.3	33.9	36.2	41.8	56.5	209.2	5626.1	8318.2	8563.6
77.5°	19.2	26.0	30.5	32.8	36.2	46.4	106.3	3595.5	5837.6	5995.9
80°	6.8	19.2	26.0	27.1	30.5	33.9	70.1	1968.5	3386.3	3454.2
82.5°	0.0	12.4	20.4	19.2	21.5	26.0	45.2	936.2	2235.3	2260.2
85°	0.0	5.7	15.8	12.4	9.0	18.1	15.8	204.6	1172.5	1221.1
87.5°	0.0	0.0	1.1	5.7	4.5	6.8	2.3	1.1	106.3	134.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)