

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: P324692

Luminaire Tested: **GAN-SA8C-722-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324692
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-SA8C-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30890 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

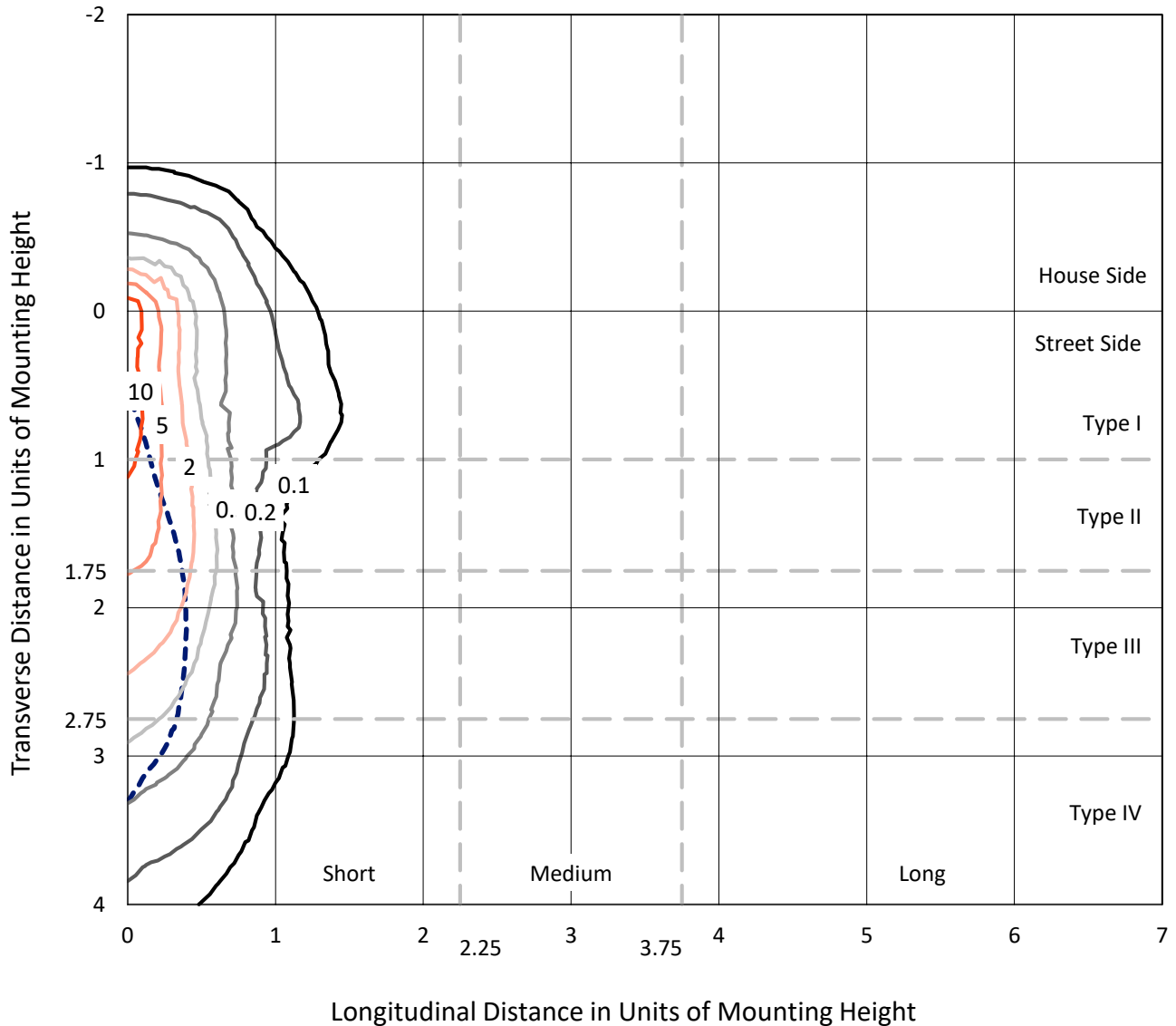
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

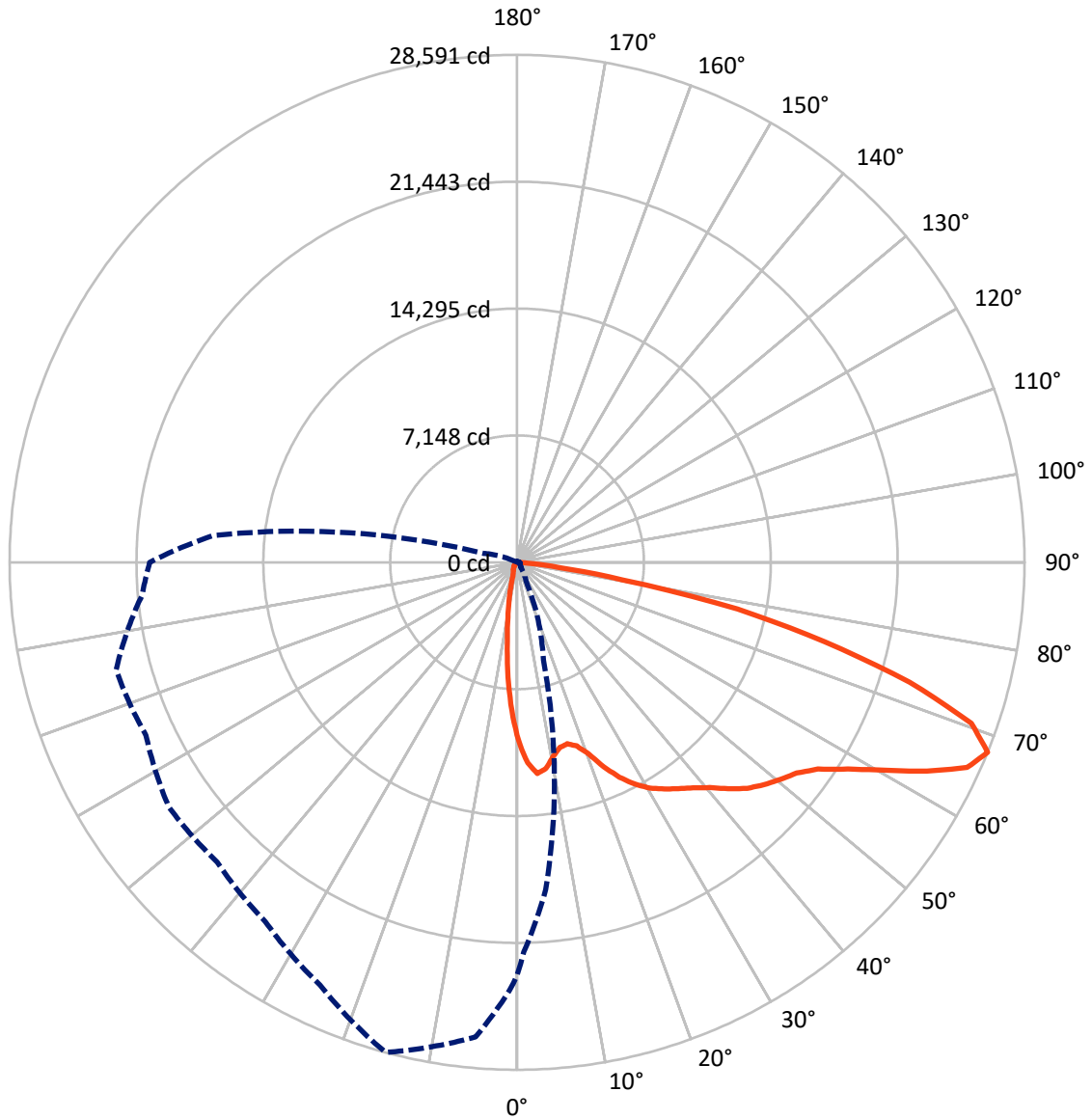
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3738.7	0.0	3738.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	27151.3	0.0	27151.3
	% Fixture	87.9	0.0	87.9
Total	Lumens	30890.0	0.0	30890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.3	2.5
10°-20°	1537.2	5.0
20°-30°	2182.8	7.1
30°-40°	3224.2	10.4
40°-50°	4649.9	15.1
50°-60°	6527.5	21.1
60°-70°	7609.2	24.6
70°-80°	3890.0	12.6
80°-90°	496.8	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°	30890.0	100.0
0°-180°	30890.0	100.0

Coefficient of Utilization

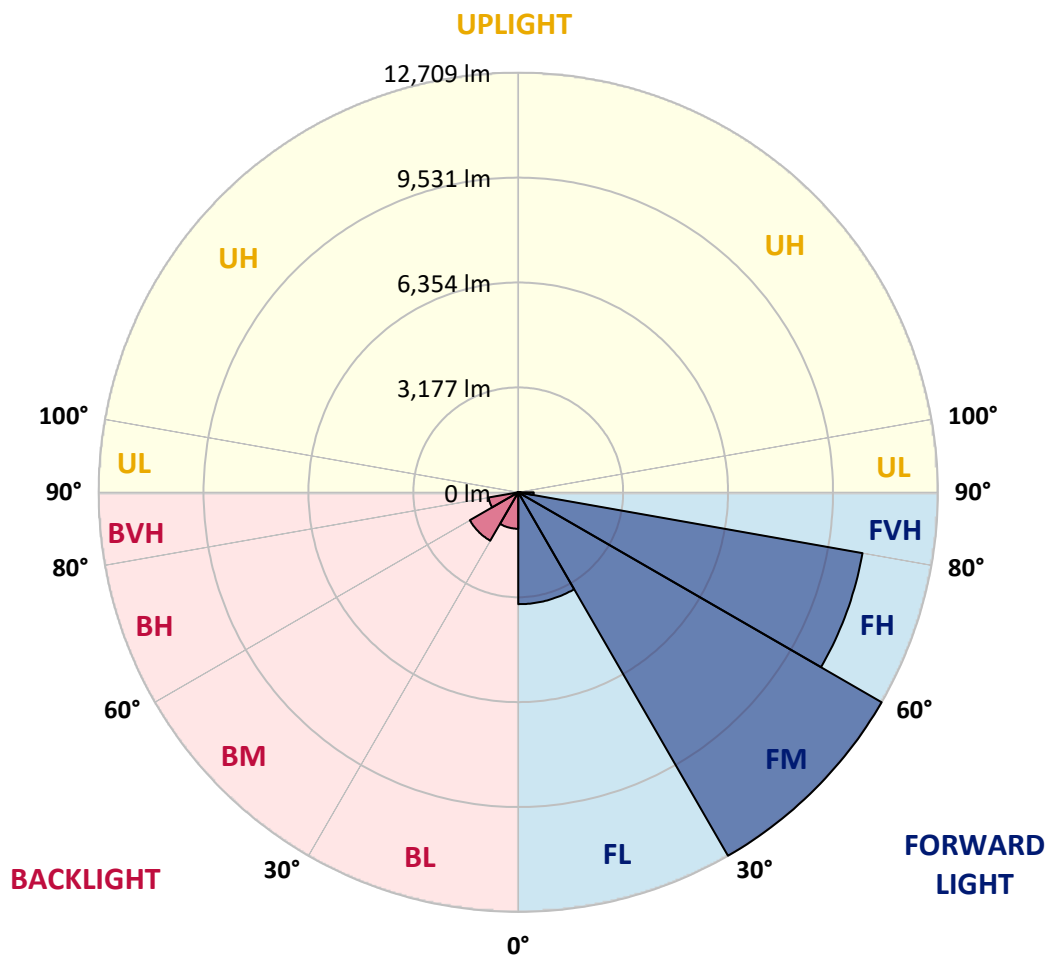


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3388.0	11.0			
FM (30°-60°)	12708.6	41.1			
FH (60°-80°)	10588.0	34.3			G4/12000
FVH (80°-90°)	466.6	1.5			G3/500
BL (0°-30°)	1104.3	3.6	B3/2500		
BM (30°-60°)	1693.0	5.5	B2/2500		
BH (60°-80°)	911.2	2.9	B2/1000		G2/1000
BVH (80°-90°)	30.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4
2.5°	11018.0	10933.1	10839.4	10533.6	10249.7	9924.8	9659.9	9475.5	9244.3	8944.3	8868.2
5°	10938.9	10848.2	10554.1	9873.6	9278.0	8698.5	8139.4	7811.6	7404.8	6992.1	6889.7
7.5°	10144.3	10049.2	9624.8	8692.6	7890.7	7053.6	6327.8	5878.5	5419.0	5041.4	4840.9
10°	9317.5	9213.6	8736.5	7605.3	6617.5	5860.9	5328.3	4899.5	4464.8	4060.9	3739.0
12.5°	8748.2	8612.1	8094.1	6812.1	5951.7	5438.0	4940.4	4426.8	3838.5	3405.3	3051.2
15°	8509.7	8354.6	7807.3	6506.3	5716.1	5113.1	4464.8	3834.1	3144.9	2648.8	2323.9
17.5°	8694.1	8492.1	7905.3	6485.8	5420.4	4599.5	3780.0	3039.5	2291.7	1789.7	1558.5
20°	9320.4	9055.5	8310.7	6479.9	5061.9	3989.2	2950.2	2113.2	1510.2	1214.6	1093.2
22.5°	10306.7	9957.0	8893.1	6526.8	4691.7	3348.3	2130.7	1435.6	1134.1	980.5	908.8
25°	11498.0	11092.6	9731.6	6692.1	4366.8	2724.9	1548.3	1134.1	957.1	844.4	784.4
27.5°	12630.6	12301.4	10791.1	6930.7	4115.1	2221.4	1257.1	961.5	818.0	743.4	695.1
30°	13761.8	13347.7	11878.4	7214.6	3812.2	1880.5	1104.9	876.6	733.2	654.1	623.4
32.5°	14584.3	14240.4	12730.1	7419.5	3488.8	1658.0	987.8	801.9	684.9	604.4	559.0
35°	15551.6	15162.3	13460.4	7464.8	3280.9	1517.5	888.3	721.5	594.1	522.4	474.1
37.5°	16596.5	16112.1	14303.3	7365.3	3118.5	1448.8	813.7	684.9	554.6	481.5	430.2
40°	17752.5	17205.2	15112.6	7221.9	2959.0	1425.4	756.6	657.1	523.9	449.3	396.6
42.5°	18970.1	18324.7	15813.5	7071.2	2858.0	1344.9	750.7	629.3	500.5	420.0	367.3
45°	19993.0	19338.9	16533.5	7021.4	2786.3	1257.1	775.6	610.2	484.4	396.6	345.4
47.5°	20808.1	20189.1	17271.1	7132.6	2745.3	1176.6	706.8	635.1	475.6	376.1	326.3
50°	21781.3	21080.3	18310.1	7464.8	2685.3	1096.1	639.5	727.3	475.6	362.9	310.2
52.5°	23001.8	22308.1	19469.1	7979.9	2565.3	984.9	575.1	728.8	480.0	345.4	289.8
55°	24536.9	24033.5	21124.2	8544.8	2373.6	821.0	497.6	626.3	462.4	313.2	270.7
57.5°	26009.1	25597.8	22633.0	8931.1	2117.5	641.0	433.2	504.9	422.9	275.1	241.5
59°	26411.5	25962.2	23186.2	8948.7	1925.8	559.0	401.0	417.1	414.1	257.6	223.9
60°	26411.5	25934.4	23345.7	8855.1	1786.8	513.7	380.5	371.7	431.7	245.9	213.7
62.5°	25933.0	25262.7	22827.6	8221.4	1457.5	437.6	332.2	307.3	387.8	221.0	188.8
65°	24937.9	23961.8	21062.8	7075.6	1299.5	401.0	286.8	251.7	269.3	194.6	165.4
67.5°	23278.4	21955.4	18517.9	5716.1	1236.6	390.7	247.3	213.7	203.4	166.8	144.9
70°	20355.9	18888.1	15428.7	4494.1	1182.4	386.3	207.8	180.0	163.9	140.5	122.9
72.5°	14815.5	13284.8	10953.6	3513.6	1150.2	395.1	166.8	150.7	134.6	109.8	95.1
75°	8474.6	7472.1	6156.5	2321.0	980.5	377.6	128.8	125.9	96.6	79.0	65.9
77.5°	4378.5	4245.3	3689.2	891.2	469.8	165.4	84.9	73.2	57.1	48.3	39.5
80°	1889.3	1868.8	1617.1	257.6	124.4	92.2	48.3	30.7	26.3	20.5	16.1
82.5°	652.7	652.7	575.1	86.3	55.6	45.4	5.9	0.0	0.0	0.0	0.0
85°	131.7	147.8	103.9	0.0	19.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4
2.5°	8776.0	8599.0	8587.2	8476.0	8337.0	8274.1	8237.5	8301.9	8380.9	8389.7	8508.2
5°	6812.1	6626.3	6703.8	6506.3	6545.8	6506.3	6441.9	6453.6	6488.7	6379.0	6515.1
7.5°	4783.9	4643.4	4732.6	4680.0	4750.2	4778.0	4738.5	4680.0	4507.3	4486.8	4605.3
10°	3605.8	3446.3	3351.2	3251.7	3273.6	3319.0	3304.4	3261.9	3152.2	3158.0	3272.2
12.5°	2897.5	2719.0	2530.2	2285.8	2225.8	2259.5	2225.8	2201.0	2095.6	2104.4	2205.3
15°	2198.0	2051.7	1854.1	1658.0	1551.2	1561.5	1467.8	1401.9	1336.1	1257.1	1318.5
17.5°	1483.9	1394.6	1336.1	1277.6	1150.2	1121.0	1002.4	875.1	825.4	788.8	815.1
20°	1050.7	1002.4	979.0	976.1	902.9	866.3	750.7	671.7	646.8	639.5	655.6
22.5°	878.0	842.9	809.3	790.2	753.7	711.2	623.4	583.9	566.3	557.6	569.3
25°	763.9	737.6	702.4	670.2	655.6	610.2	547.3	518.0	506.3	497.6	503.4
27.5°	679.0	655.6	614.6	594.1	582.4	542.9	488.8	465.4	455.1	452.2	450.7
30°	611.7	589.8	551.7	528.3	507.8	472.7	440.5	417.1	406.8	403.9	401.0
32.5°	544.4	526.8	501.9	478.5	456.6	424.4	396.6	377.6	361.5	358.5	357.1
35°	459.5	441.9	428.8	427.3	406.8	376.1	355.6	330.7	317.6	313.2	314.6
37.5°	408.3	384.9	355.6	365.9	360.0	338.0	310.2	285.4	272.2	269.3	269.3
40°	376.1	351.2	317.6	300.0	317.6	313.2	269.3	244.4	231.2	229.8	226.8
42.5°	345.4	320.5	282.4	253.2	261.9	275.1	232.7	209.3	196.1	193.2	188.8
45°	323.4	297.1	254.6	221.0	203.4	231.2	199.0	169.8	162.4	156.6	153.7
47.5°	302.9	278.0	229.8	191.7	162.4	166.8	159.5	139.0	130.2	124.4	122.9
50°	285.4	259.0	207.8	163.9	134.6	122.9	128.8	109.8	102.4	96.6	93.7
52.5°	264.9	240.0	184.4	142.0	112.7	96.6	98.0	86.3	79.0	74.6	73.2
55°	248.8	223.9	165.4	124.4	99.5	79.0	70.2	67.3	62.9	60.0	58.5
57.5°	226.8	203.4	146.3	105.4	84.9	64.4	54.1	54.1	52.7	49.8	48.3
59°	213.7	193.2	134.6	95.1	77.6	55.6	48.3	49.8	48.3	45.4	43.9
60°	203.4	184.4	125.9	87.8	73.2	51.2	43.9	46.8	45.4	42.4	41.0
62.5°	180.0	166.8	108.3	73.2	64.4	41.0	36.6	39.5	39.5	38.0	36.6
65°	158.0	143.4	92.2	61.5	60.0	35.1	29.3	35.1	36.6	33.7	30.7
67.5°	137.6	122.9	80.5	49.8	55.6	27.8	22.0	29.3	39.5	30.7	27.8
70°	117.1	102.4	62.9	39.5	58.5	19.0	17.6	26.3	46.8	33.7	26.3
72.5°	90.7	79.0	43.9	29.3	62.9	13.2	13.2	22.0	52.7	36.6	24.9
75°	62.9	51.2	26.3	17.6	51.2	8.8	8.8	20.5	49.8	33.7	23.4
77.5°	36.6	27.8	8.8	1.5	26.3	0.0	1.5	14.6	35.1	20.5	10.2
80°	13.2	5.9	0.0	0.0	16.1	0.0	0.0	0.0	2.9	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4
2.5°	8539.0	8736.5	8913.6	9181.4	9498.9	9864.8	10179.4	10517.5	10835.0	10966.7	11057.5
5°	6542.9	6787.3	7072.6	7466.3	7990.2	8635.5	9239.9	9923.3	10658.0	11025.3	11370.6
7.5°	4625.8	4874.6	5228.7	5647.3	6280.9	7049.2	7839.5	8783.3	9778.5	10359.4	10931.6
10°	3326.3	3632.2	3962.9	4535.1	5179.0	5907.8	6721.4	7775.1	8884.3	9528.2	10217.5
12.5°	2263.9	2612.2	3112.7	3753.6	4510.2	5224.3	5931.2	6936.5	8224.3	8862.4	9601.4
15°	1358.0	1551.2	2081.0	2822.9	3750.7	4640.5	5414.6	6422.9	7795.5	8577.0	9345.3
17.5°	837.1	926.3	1214.6	1823.4	2798.0	3923.4	4984.4	6248.7	7857.0	8808.2	9630.7
20°	667.3	702.4	794.6	1077.1	1854.1	3133.1	4500.0	6213.6	8359.0	9529.7	10412.1
22.5°	579.5	613.2	674.6	782.9	1166.3	2345.8	4040.5	6245.8	9079.0	10611.1	11641.4
25°	510.7	540.0	598.5	687.8	854.6	1652.2	3548.8	6389.2	10017.0	11953.1	13047.7
27.5°	456.6	481.5	535.6	617.6	733.2	1153.2	2991.2	6563.4	11129.2	13325.7	14405.7
30°	406.8	428.8	477.1	553.2	636.6	886.8	2379.5	6681.9	12242.8	14405.7	15376.0
32.5°	364.4	380.5	424.4	488.8	553.2	706.8	1808.8	6662.9	13069.7	15304.3	16074.0
35°	320.5	336.6	374.6	430.2	481.5	583.9	1422.4	6307.3	13789.6	16236.5	16873.0
37.5°	272.2	292.7	329.3	379.0	414.1	513.7	1150.2	5878.5	14519.9	17301.8	17764.3
40°	231.2	251.7	283.9	338.0	360.0	487.3	883.9	5356.1	15340.9	18493.0	18741.8
42.5°	191.7	210.7	244.4	291.2	339.5	420.0	654.1	4759.0	16129.6	19511.6	19633.0
45°	155.1	174.1	209.3	256.1	362.9	348.3	506.3	4119.5	16766.2	20358.9	20398.4
47.5°	122.9	140.5	177.1	241.5	338.0	278.0	361.5	3617.5	17300.4	21020.3	20916.4
50°	95.1	109.8	147.8	276.6	295.6	229.8	273.7	3450.7	17778.9	21430.1	21160.8
52.5°	74.6	87.8	121.5	259.0	229.8	190.2	229.8	3607.3	18434.5	21769.6	21298.4
55°	60.0	73.2	95.1	147.8	156.6	161.0	196.1	3753.6	19565.7	22565.7	22110.6
57.5°	49.8	62.9	77.6	103.9	118.5	136.1	174.1	3769.7	20898.9	23888.6	23458.4
59°	45.4	57.1	70.2	92.2	103.9	124.4	163.9	3681.9	21368.6	24370.1	24154.9
60°	42.4	54.1	65.9	84.9	96.6	117.1	158.0	3598.5	21389.1	24352.5	24452.0
62.5°	36.6	48.3	58.5	71.7	82.0	99.5	142.0	3289.7	20522.8	23554.9	24273.5
65°	32.2	42.4	52.7	61.5	70.2	89.3	128.8	2726.3	19043.3	22268.6	23051.5
67.5°	29.3	36.6	48.3	54.1	62.9	79.0	114.1	1943.4	17195.0	20695.4	21203.2
70°	26.3	35.1	43.9	49.8	57.1	68.8	98.0	1116.6	14519.9	18392.1	18753.5
72.5°	24.9	33.7	39.5	46.8	51.2	61.5	89.3	525.4	10631.6	14733.5	15677.4
75°	22.0	30.7	36.6	43.9	48.3	55.6	76.1	251.7	7071.2	10662.4	11735.0
77.5°	13.2	24.9	33.7	39.5	42.4	48.3	62.9	144.9	4513.1	7379.9	8692.6
80°	0.0	8.8	24.9	33.7	36.6	41.0	48.3	114.1	2414.6	4216.1	5060.4
82.5°	0.0	0.0	17.6	26.3	24.9	27.8	36.6	71.7	1088.8	2755.6	3105.3
85°	0.0	0.0	5.9	20.5	17.6	13.2	24.9	24.9	238.5	1394.6	1740.0
87.5°	0.0	0.0	0.0	1.5	8.8	5.9	10.2	2.9	1.5	103.9	421.5
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: P324692
 CATALOG NUMBER: GAN-SA8C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4	10062.4
2.5°	11375.0	11483.3	11666.3	11752.6	11710.2	11530.2	11315.0	11095.5	10966.7	11018.0
5°	12074.5	12632.1	12954.0	13060.9	12882.3	12478.4	11950.2	11253.6	11006.3	10938.9
7.5°	12074.5	13123.8	13788.2	13905.3	13507.2	12715.5	11724.8	10637.5	10276.0	10144.3
10°	11650.2	13078.4	14004.8	14190.6	13634.5	12450.6	11123.3	9882.4	9453.6	9317.5
12.5°	11171.6	12709.7	13685.7	13941.8	13485.3	12187.2	10706.3	9371.6	8866.8	8748.2
15°	10877.5	12256.0	13063.8	13249.7	13056.5	12033.6	10606.7	9218.0	8623.8	8509.7
17.5°	10982.8	11904.8	12196.0	12304.3	12434.5	11979.4	10877.5	9554.6	8802.4	8694.1
20°	11379.4	11534.5	11383.8	11519.9	11871.1	12032.1	11522.8	10368.2	9465.3	9320.4
22.5°	12052.6	11342.8	10919.9	10974.1	11401.4	12206.2	12509.2	11530.2	10488.2	10306.7
25°	12837.0	11498.0	10662.4	10614.1	11053.1	12436.0	13410.6	12794.5	11698.4	11498.0
27.5°	13823.3	11846.2	10609.7	10561.4	10931.6	12651.1	14159.9	14044.3	12973.1	12630.6
30°	14584.3	12188.7	10766.3	10655.0	11053.1	12800.4	14761.3	15105.2	13988.7	13761.8
32.5°	15130.1	12592.6	11020.9	10859.9	11395.5	13057.9	15225.2	16076.9	14928.2	14584.3
35°	15545.7	13031.6	11432.1	11167.2	11866.7	13448.7	15659.9	17111.6	15927.7	15551.6
37.5°	15935.0	13647.7	12074.5	11758.4	12605.8	14077.9	16119.4	18285.2	17045.7	16596.5
40°	16477.9	14345.7	13065.3	12784.3	13848.2	14935.5	16693.0	19508.6	18317.4	17752.5
42.5°	17020.8	15095.0	14079.4	14155.5	15397.9	15977.4	17433.5	20802.3	19573.0	18970.1
45°	17516.9	15867.7	15523.8	15875.0	16836.5	17120.4	18169.6	21550.1	20575.4	19993.0
47.5°	17958.9	16833.5	16959.4	17894.5	18472.5	18155.0	18719.9	22195.4	21321.8	20808.1
50°	18472.5	18083.3	18851.6	20174.5	20355.9	19091.6	19220.3	22959.3	22194.0	21781.3
52.5°	19034.5	19400.3	20947.2	22113.5	22054.9	20108.6	19723.7	23815.4	23389.6	23001.8
55°	19672.5	20464.2	22792.5	23928.1	23878.3	21244.2	20557.9	24873.5	24888.1	24536.9
57.5°	20619.4	21380.3	24045.2	25395.9	25479.3	22555.4	21971.5	26058.8	26243.2	26009.1
59°	21298.4	21974.5	24541.3	26009.1	26348.6	23569.6	23004.7	26746.6	26625.2	26411.5
60°	21801.8	22352.0	24787.1	26329.5	26853.4	24257.4	23767.1	27150.5	26670.5	26411.5
62.5°	23047.1	23174.5	25230.5	26692.5	27434.4	25785.2	25912.5	27838.3	26355.9	25933.0
65°	23628.1	23694.0	25224.7	26042.7	26872.5	26974.9	27858.8	27858.8	25587.6	24937.9
67.5°	23385.2	23067.6	23973.5	23888.6	24716.9	26268.1	28590.5	26837.4	24118.3	23278.4
70°	21409.6	20187.6	19785.2	19821.8	20455.4	22848.1	27141.7	23831.5	21337.9	20355.9
72.5°	17814.0	14882.8	13889.2	15023.3	15188.7	17559.4	23130.6	17947.2	15736.0	14815.5
75°	14328.2	10491.1	8875.5	10072.6	10353.6	12850.1	17893.0	11177.5	9191.6	8474.6
77.5°	10293.6	7530.7	6368.7	6285.3	6648.2	8149.7	12696.5	5625.3	4691.7	4378.5
80°	5847.8	4956.5	5337.0	5035.6	5218.5	5095.6	6032.1	2467.3	2021.0	1889.3
82.5°	3529.7	2929.7	3172.7	2641.4	3342.4	2910.7	2323.9	790.2	686.3	652.7
85°	2296.1	1601.0	834.1	559.0	1151.7	1860.0	519.5	215.1	165.4	131.7
87.5°	791.7	408.3	41.0	17.6	122.9	346.8	19.0	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)