

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386784

Luminaire Tested: GAW-SA2C-727-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386784
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
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-727-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 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: 9151 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

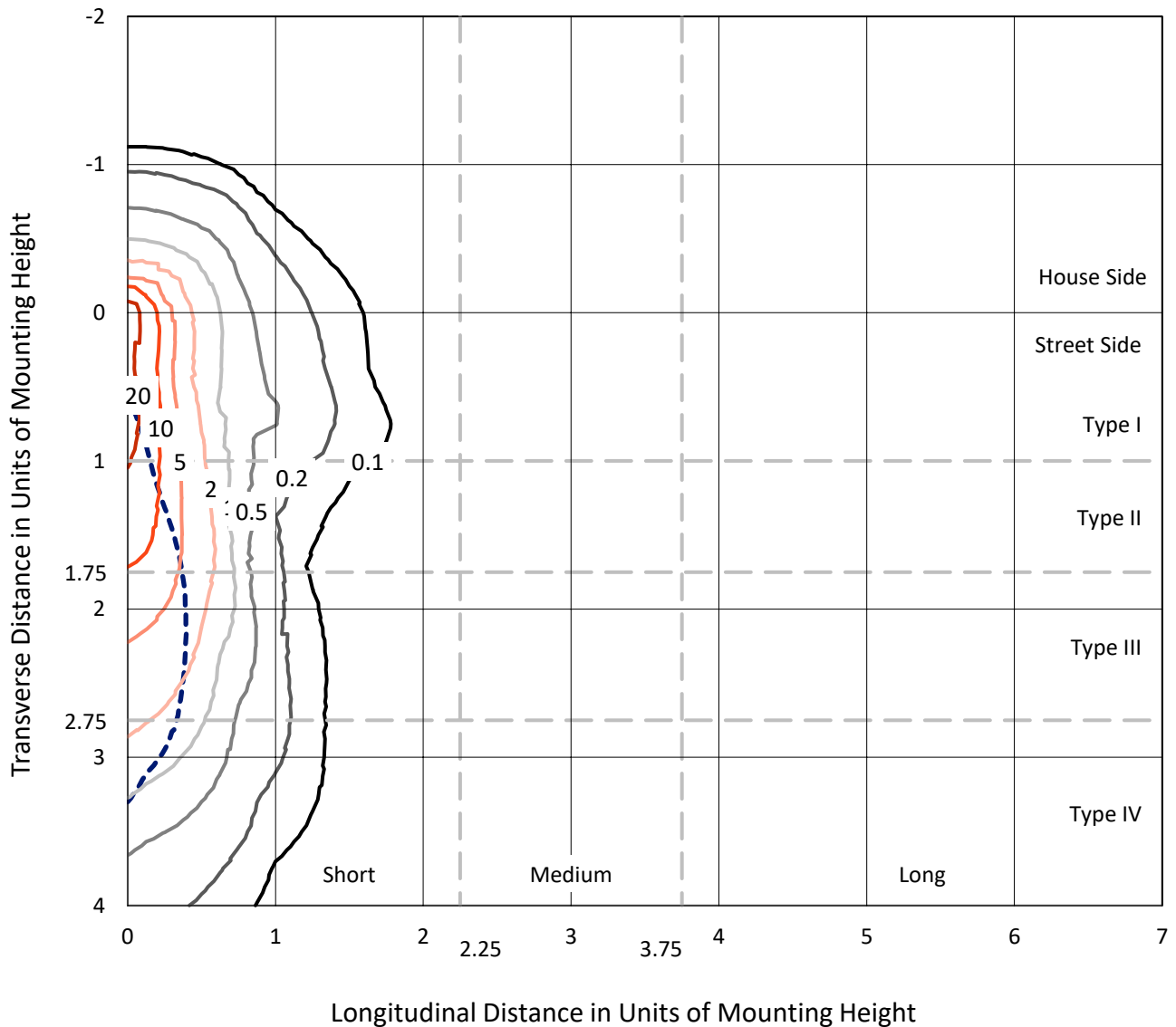
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

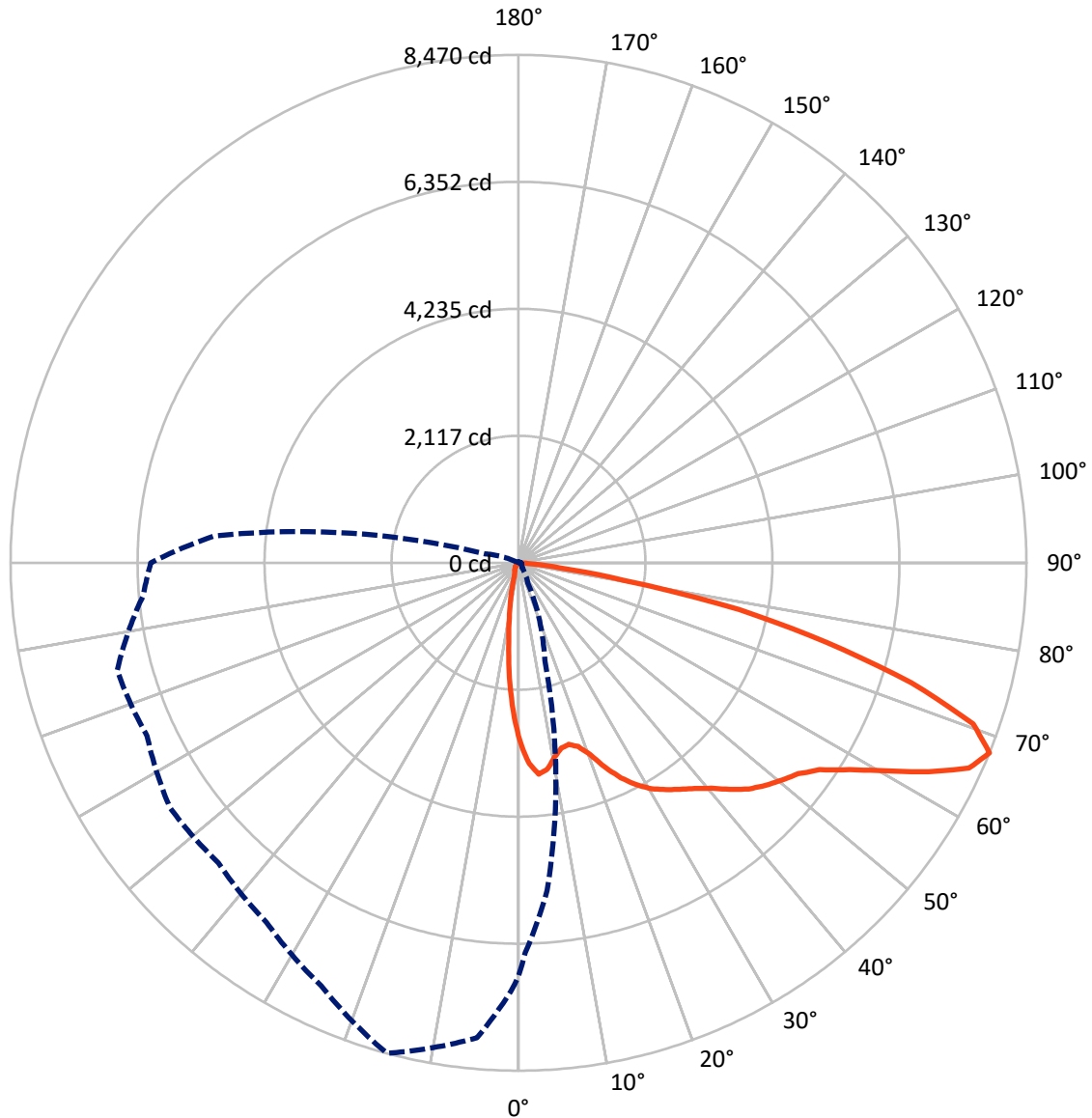
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.8 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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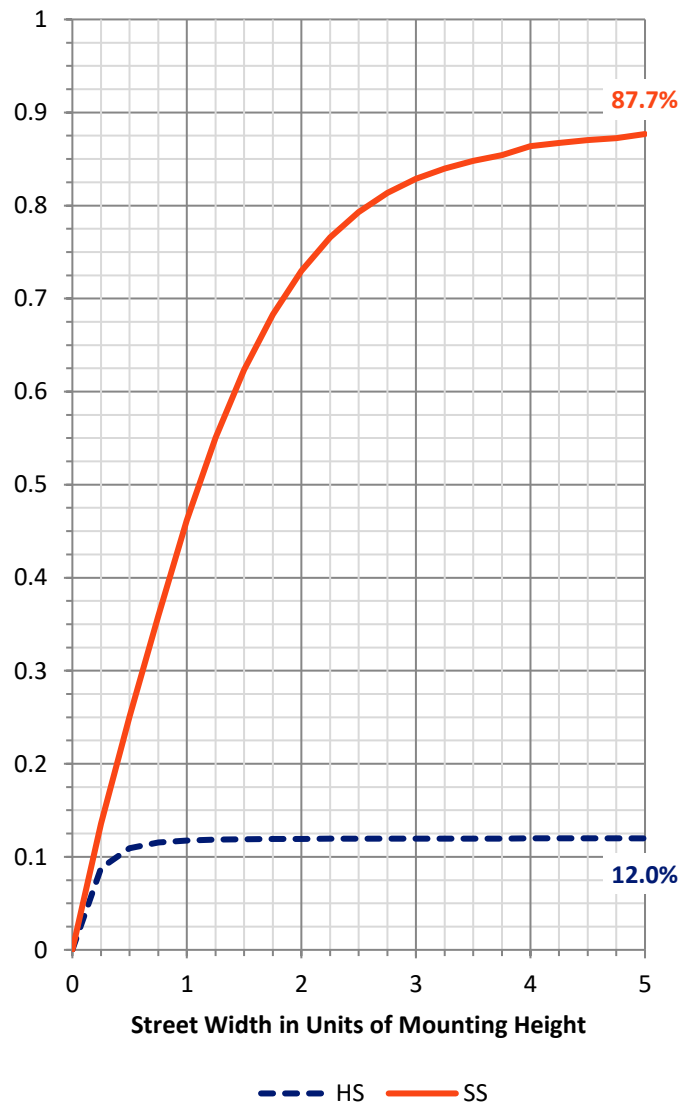
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.6	0.0	1107.6
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	8043.4	0.0	8043.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	9151.0	0.0	9151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.8	2.5
10°-20°	455.4	5.0
20°-30°	646.7	7.1
30°-40°	955.1	10.4
40°-50°	1377.5	15.1
50°-60°	1933.8	21.1
60°-70°	2254.2	24.6
70°-80°	1152.4	12.6
80°-90°	147.2	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°	9151.0	100.0
0°-180°	9151.0	100.0

Coefficient of Utilization

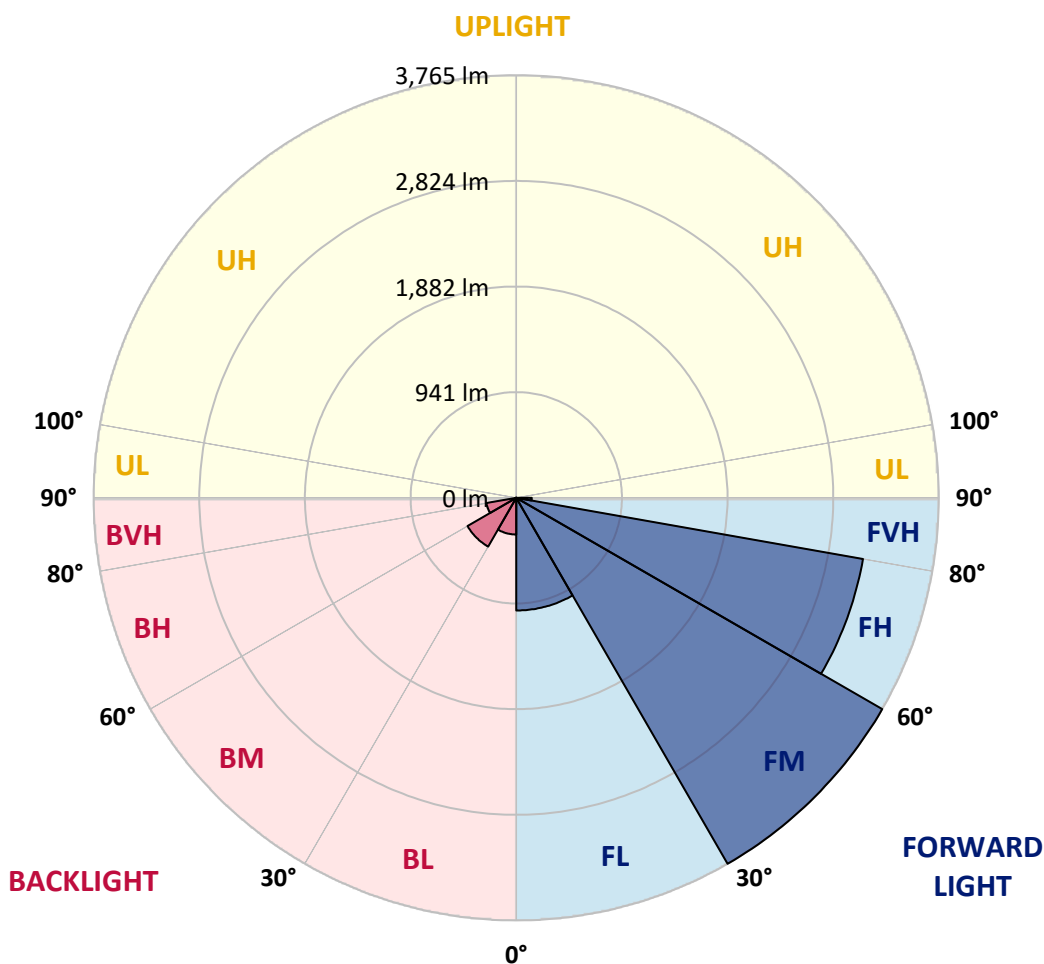


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1003.7	11.0			
FM (30°-60°)	3764.9	41.1			
FH (60°-80°)	3136.6	34.3			G2/5000
FVH (80°-90°)	138.2	1.5			G2/225
BL (0°-30°)	327.1	3.6	B1/500		
BM (30°-60°)	501.5	5.5	B1/1000		
BH (60°-80°)	269.9	2.9	B1/500		G1/500
BVH (80°-90°)	8.9	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9
2.5°	3264.0	3238.9	3211.1	3120.5	3036.4	2940.2	2861.7	2807.1	2738.6	2649.7	2627.2
5°	3240.6	3213.7	3126.6	2925.0	2748.6	2576.9	2411.3	2314.2	2193.6	2071.4	2041.0
7.5°	3005.2	2977.0	2851.3	2575.1	2337.6	2089.6	1874.6	1741.5	1605.3	1493.5	1434.1
10°	2760.3	2729.5	2588.1	2253.0	1960.4	1736.3	1578.5	1451.4	1322.7	1203.0	1107.7
12.5°	2591.6	2551.3	2397.8	2018.1	1763.1	1611.0	1463.6	1311.4	1137.1	1008.8	903.9
15°	2521.0	2475.0	2312.9	1927.5	1693.4	1514.7	1322.7	1135.8	931.6	784.7	688.4
17.5°	2575.6	2515.7	2341.9	1921.4	1605.8	1362.6	1119.8	900.4	678.9	530.2	461.7
20°	2761.1	2682.7	2462.0	1919.7	1499.6	1181.8	874.0	626.0	447.4	359.8	323.8
22.5°	3053.3	2949.7	2634.5	1933.5	1389.9	991.9	631.2	425.3	336.0	290.5	269.2
25°	3406.2	3286.1	2882.9	1982.5	1293.6	807.2	458.7	336.0	283.5	250.1	232.4
27.5°	3741.8	3644.2	3196.8	2053.2	1219.1	658.1	372.4	284.8	242.3	220.2	205.9
30°	4076.9	3954.2	3518.9	2137.3	1129.3	557.1	327.3	259.7	217.2	193.8	184.7
32.5°	4320.5	4218.6	3771.2	2198.0	1033.5	491.2	292.6	237.6	202.9	179.0	165.6
35°	4607.1	4491.8	3987.6	2211.4	972.0	449.6	263.1	213.7	176.0	154.8	140.5
37.5°	4916.6	4773.1	4237.3	2181.9	923.8	429.2	241.0	202.9	164.3	142.6	127.5
40°	5259.1	5097.0	4477.0	2139.4	876.6	422.3	224.1	194.7	155.2	133.1	117.5
42.5°	5619.8	5428.6	4684.7	2094.8	846.7	398.4	222.4	186.4	148.3	124.4	108.8
45°	5922.8	5729.0	4898.0	2080.1	825.4	372.4	229.8	180.8	143.5	117.5	102.3
47.5°	6164.3	5980.9	5116.5	2113.0	813.3	348.6	209.4	188.2	140.9	111.4	96.7
50°	6452.6	6244.9	5424.3	2211.4	795.5	324.7	189.5	215.5	140.9	107.5	91.9
52.5°	6814.2	6608.7	5767.6	2364.0	760.0	291.8	170.4	215.9	142.2	102.3	85.8
55°	7268.9	7119.8	6257.9	2531.4	703.2	243.2	147.4	185.5	137.0	92.8	80.2
57.5°	7705.0	7583.2	6704.9	2645.8	627.3	189.9	128.3	149.6	125.3	81.5	71.5
59°	7824.3	7691.2	6868.8	2651.0	570.5	165.6	118.8	123.6	122.7	76.3	66.3
60°	7824.3	7682.9	6916.0	2623.3	529.3	152.2	112.7	110.1	127.9	72.8	63.3
62.5°	7682.5	7484.0	6762.6	2435.5	431.8	129.6	98.4	91.0	114.9	65.5	55.9
65°	7387.7	7098.5	6239.7	2096.1	385.0	118.8	85.0	74.6	79.8	57.7	49.0
67.5°	6896.1	6504.2	5485.8	1693.4	366.3	115.8	73.3	63.3	60.3	49.4	42.9
70°	6030.3	5595.5	4570.7	1331.4	350.3	114.5	61.6	53.3	48.6	41.6	36.4
72.5°	4389.0	3935.5	3244.9	1040.9	340.8	117.1	49.4	44.7	39.9	32.5	28.2
75°	2510.5	2213.6	1823.8	687.6	290.5	111.8	38.2	37.3	28.6	23.4	19.5
77.5°	1297.1	1257.7	1092.9	264.0	139.2	49.0	25.1	21.7	16.9	14.3	11.7
80°	559.7	553.6	479.0	76.3	36.8	27.3	14.3	9.1	7.8	6.1	4.8
82.5°	193.4	193.4	170.4	25.6	16.5	13.4	1.7	0.0	0.0	0.0	0.0
85°	39.0	43.8	30.8	0.0	5.6	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°	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9
2.5°	2599.9	2547.4	2543.9	2511.0	2469.8	2451.2	2440.3	2459.4	2482.8	2485.4	2520.5
5°	2018.1	1963.0	1986.0	1927.5	1939.2	1927.5	1908.4	1911.8	1922.3	1889.7	1930.1
7.5°	1417.2	1375.6	1402.0	1386.4	1407.2	1415.5	1403.8	1386.4	1335.3	1329.2	1364.3
10°	1068.2	1021.0	992.8	963.3	969.8	983.2	978.9	966.3	933.8	935.5	969.4
12.5°	858.4	805.5	749.6	677.2	659.4	669.4	659.4	652.0	620.8	623.4	653.3
15°	651.2	607.8	549.3	491.2	459.5	462.6	434.8	415.3	395.8	372.4	390.6
17.5°	439.6	413.1	395.8	378.5	340.8	332.1	297.0	259.2	244.5	233.7	241.5
20°	311.3	297.0	290.0	289.2	267.5	256.6	222.4	199.0	191.6	189.5	194.2
22.5°	260.1	249.7	239.7	234.1	223.3	210.7	184.7	173.0	167.8	165.2	168.6
25°	226.3	218.5	208.1	198.6	194.2	180.8	162.1	153.5	150.0	147.4	149.1
27.5°	201.2	194.2	182.1	176.0	172.5	160.8	144.8	137.9	134.8	134.0	133.5
30°	181.2	174.7	163.4	156.5	150.4	140.0	130.5	123.6	120.5	119.7	118.8
32.5°	161.3	156.1	148.7	141.8	135.3	125.7	117.5	111.8	107.1	106.2	105.8
35°	136.1	130.9	127.0	126.6	120.5	111.4	105.3	98.0	94.1	92.8	93.2
37.5°	121.0	114.0	105.3	108.4	106.6	100.1	91.9	84.5	80.6	79.8	79.8
40°	111.4	104.0	94.1	88.9	94.1	92.8	79.8	72.4	68.5	68.1	67.2
42.5°	102.3	94.9	83.7	75.0	77.6	81.5	68.9	62.0	58.1	57.2	55.9
45°	95.8	88.0	75.4	65.5	60.3	68.5	59.0	50.3	48.1	46.4	45.5
47.5°	89.7	82.4	68.1	56.8	48.1	49.4	47.3	41.2	38.6	36.8	36.4
50°	84.5	76.7	61.6	48.6	39.9	36.4	38.2	32.5	30.3	28.6	27.7
52.5°	78.5	71.1	54.6	42.1	33.4	28.6	29.0	25.6	23.4	22.1	21.7
55°	73.7	66.3	49.0	36.8	29.5	23.4	20.8	19.9	18.6	17.8	17.3
57.5°	67.2	60.3	43.4	31.2	25.1	19.1	16.0	16.0	15.6	14.7	14.3
59°	63.3	57.2	39.9	28.2	23.0	16.5	14.3	14.7	14.3	13.4	13.0
60°	60.3	54.6	37.3	26.0	21.7	15.2	13.0	13.9	13.4	12.6	12.1
62.5°	53.3	49.4	32.1	21.7	19.1	12.1	10.8	11.7	11.7	11.3	10.8
65°	46.8	42.5	27.3	18.2	17.8	10.4	8.7	10.4	10.8	10.0	9.1
67.5°	40.8	36.4	23.8	14.7	16.5	8.2	6.5	8.7	11.7	9.1	8.2
70°	34.7	30.3	18.6	11.7	17.3	5.6	5.2	7.8	13.9	10.0	7.8
72.5°	26.9	23.4	13.0	8.7	18.6	3.9	3.9	6.5	15.6	10.8	7.4
75°	18.6	15.2	7.8	5.2	15.2	2.6	2.6	6.1	14.7	10.0	6.9
77.5°	10.8	8.2	2.6	0.4	7.8	0.0	0.4	4.3	10.4	6.1	3.0
80°	3.9	1.7	0.0	0.0	4.8	0.0	0.0	0.0	0.9	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°	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9
2.5°	2529.6	2588.1	2640.6	2719.9	2814.0	2922.4	3015.6	3115.7	3209.8	3248.8	3275.7
5°	1938.3	2010.7	2095.2	2211.8	2367.0	2558.2	2737.3	2939.7	3157.4	3266.2	3368.5
7.5°	1370.4	1444.1	1549.0	1673.0	1860.7	2088.3	2322.4	2602.0	2896.8	3068.9	3238.4
10°	985.4	1076.0	1174.0	1343.5	1534.2	1750.1	1991.2	2303.3	2631.9	2822.7	3026.9
12.5°	670.7	773.8	922.1	1112.0	1336.1	1547.7	1757.1	2054.9	2436.4	2625.4	2844.4
15°	402.3	459.5	616.5	836.3	1111.1	1374.7	1604.0	1902.7	2309.4	2540.9	2768.5
17.5°	248.0	274.4	359.8	540.2	828.9	1162.3	1476.6	1851.2	2327.6	2609.4	2853.0
20°	197.7	208.1	235.4	319.1	549.3	928.2	1333.1	1840.7	2476.3	2823.1	3084.5
22.5°	171.7	181.6	199.9	231.9	345.5	694.9	1197.0	1850.3	2689.6	3143.5	3448.7
25°	151.3	160.0	177.3	203.8	253.2	489.5	1051.3	1892.8	2967.5	3541.0	3865.3
27.5°	135.3	142.6	158.7	182.9	217.2	341.6	886.1	1944.4	3297.0	3947.7	4267.6
30°	120.5	127.0	141.3	163.9	188.6	262.7	704.9	1979.5	3626.9	4267.6	4555.1
32.5°	107.9	112.7	125.7	144.8	163.9	209.4	535.8	1973.8	3871.8	4533.8	4761.8
35°	94.9	99.7	111.0	127.5	142.6	173.0	421.4	1868.5	4085.1	4810.0	4998.5
37.5°	80.6	86.7	97.5	112.3	122.7	152.2	340.8	1741.5	4301.4	5125.6	5262.6
40°	68.5	74.6	84.1	100.1	106.6	144.4	261.8	1586.7	4544.6	5478.5	5552.2
42.5°	56.8	62.4	72.4	86.3	100.6	124.4	193.8	1409.8	4778.3	5780.2	5816.2
45°	46.0	51.6	62.0	75.9	107.5	103.2	150.0	1220.4	4966.9	6031.2	6042.9
47.5°	36.4	41.6	52.5	71.5	100.1	82.4	107.1	1071.7	5125.1	6227.2	6196.4
50°	28.2	32.5	43.8	81.9	87.6	68.1	81.1	1022.3	5266.9	6348.5	6268.8
52.5°	22.1	26.0	36.0	76.7	68.1	56.4	68.1	1068.6	5461.1	6449.1	6309.5
55°	17.8	21.7	28.2	43.8	46.4	47.7	58.1	1112.0	5796.2	6685.0	6550.1
57.5°	14.7	18.6	23.0	30.8	35.1	40.3	51.6	1116.8	6191.2	7076.9	6949.4
59°	13.4	16.9	20.8	27.3	30.8	36.8	48.6	1090.8	6330.3	7219.5	7155.8
60°	12.6	16.0	19.5	25.1	28.6	34.7	46.8	1066.0	6336.4	7214.3	7243.8
62.5°	10.8	14.3	17.3	21.2	24.3	29.5	42.1	974.6	6079.8	6978.0	7190.9
65°	9.5	12.6	15.6	18.2	20.8	26.4	38.2	807.7	5641.5	6597.0	6828.9
67.5°	8.7	10.8	14.3	16.0	18.6	23.4	33.8	575.7	5093.9	6130.9	6281.4
70°	7.8	10.4	13.0	14.7	16.9	20.4	29.0	330.8	4301.4	5448.5	5555.6
72.5°	7.4	10.0	11.7	13.9	15.2	18.2	26.4	155.6	3149.6	4364.7	4644.4
75°	6.5	9.1	10.8	13.0	14.3	16.5	22.5	74.6	2094.8	3158.7	3476.4
77.5°	3.9	7.4	10.0	11.7	12.6	14.3	18.6	42.9	1337.0	2186.3	2575.1
80°	0.0	2.6	7.4	10.0	10.8	12.1	14.3	33.8	715.3	1249.0	1499.1
82.5°	0.0	0.0	5.2	7.8	7.4	8.2	10.8	21.2	322.5	816.3	919.9
85°	0.0	0.0	1.7	6.1	5.2	3.9	7.4	7.4	70.7	413.1	515.5
87.5°	0.0	0.0	0.0	0.4	2.6	1.7	3.0	0.9	0.4	30.8	124.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9
2.5°	3369.8	3401.9	3456.1	3481.6	3469.1	3415.7	3352.0	3287.0	3248.8	3264.0
5°	3577.0	3742.2	3837.6	3869.2	3816.3	3696.7	3540.2	3333.8	3260.5	3240.6
7.5°	3577.0	3887.9	4084.7	4119.4	4001.4	3766.9	3473.4	3151.3	3044.2	3005.2
10°	3451.3	3874.4	4148.8	4203.9	4039.2	3688.4	3295.2	2927.6	2800.6	2760.3
12.5°	3309.5	3765.2	4054.3	4130.2	3994.9	3610.4	3171.7	2776.3	2626.7	2591.6
15°	3222.4	3630.8	3870.1	3925.1	3867.9	3564.9	3142.2	2730.8	2554.8	2521.0
17.5°	3253.6	3526.7	3613.0	3645.1	3683.7	3548.8	3222.4	2830.5	2607.7	2575.6
20°	3371.1	3417.0	3372.4	3412.7	3516.8	3564.4	3413.6	3071.5	2804.0	2761.1
22.5°	3570.5	3360.3	3235.0	3251.0	3377.6	3616.0	3705.8	3415.7	3107.1	3053.3
25°	3802.9	3406.2	3158.7	3144.4	3274.4	3684.1	3972.8	3790.3	3465.6	3406.2
27.5°	4095.1	3509.4	3143.1	3128.8	3238.4	3747.8	4194.8	4160.5	3843.2	3741.8
30°	4320.5	3610.8	3189.4	3156.5	3274.4	3792.0	4373.0	4474.9	4144.1	4076.9
32.5°	4482.2	3730.5	3264.9	3217.2	3375.9	3868.3	4510.4	4762.7	4422.4	4320.5
35°	4605.3	3860.5	3386.7	3308.2	3515.5	3984.1	4639.2	5069.2	4718.5	4607.1
37.5°	4720.7	4043.1	3577.0	3483.4	3734.4	4170.5	4775.3	5416.9	5049.7	4916.6
40°	4881.5	4249.9	3870.5	3787.3	4102.5	4424.6	4945.2	5779.3	5426.4	5259.1
42.5°	5042.3	4471.8	4170.9	4193.5	4561.6	4733.2	5164.6	6162.6	5798.4	5619.8
45°	5189.3	4700.7	4598.8	4702.9	4987.7	5071.8	5382.7	6384.1	6095.4	5922.8
47.5°	5320.2	4986.8	5024.1	5301.1	5472.4	5378.3	5545.7	6575.3	6316.5	6164.3
50°	5472.4	5357.1	5584.7	5976.6	6030.3	5655.8	5693.9	6801.6	6574.8	6452.6
52.5°	5638.9	5747.2	6205.5	6551.0	6533.7	5957.1	5843.1	7055.2	6929.0	6814.2
55°	5827.9	6062.4	6752.2	7088.6	7073.8	6293.5	6090.2	7368.6	7373.0	7268.9
57.5°	6108.4	6333.8	7123.3	7523.4	7548.1	6681.9	6509.0	7719.8	7774.4	7705.0
59°	6309.5	6509.8	7270.2	7705.0	7805.6	6982.4	6815.0	7923.5	7887.6	7824.3
60°	6458.7	6621.7	7343.1	7800.0	7955.2	7186.1	7040.9	8043.2	7901.0	7824.3
62.5°	6827.6	6865.3	7474.4	7907.5	8127.3	7638.7	7676.4	8247.0	7807.8	7682.5
65°	6999.7	7019.2	7472.7	7715.0	7960.8	7991.2	8253.0	8253.0	7580.2	7387.7
67.5°	6927.7	6833.7	7102.0	7076.9	7322.2	7781.8	8469.8	7950.4	7144.9	6896.1
70°	6342.5	5980.5	5861.3	5872.1	6059.8	6768.6	8040.6	7060.0	6321.2	6030.3
72.5°	5277.3	4409.0	4114.6	4450.6	4499.6	5201.9	6852.3	5316.8	4661.7	4389.0
75°	4244.6	3107.9	2629.3	2984.0	3067.2	3806.8	5300.7	3311.3	2723.0	2510.5
77.5°	3049.4	2230.9	1886.7	1862.0	1969.5	2414.3	3761.3	1666.5	1389.9	1297.1
80°	1732.4	1468.4	1581.1	1491.8	1546.0	1509.5	1787.0	730.9	598.7	559.7
82.5°	1045.7	867.9	939.9	782.5	990.2	862.3	688.4	234.1	203.3	193.4
85°	680.2	474.3	247.1	165.6	341.2	551.0	153.9	63.7	49.0	39.0
87.5°	234.5	121.0	12.1	5.2	36.4	102.7	5.6	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)