

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: P386812

Luminaire Tested: GAW-SA2C-730-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386812
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-730-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 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: 9966 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

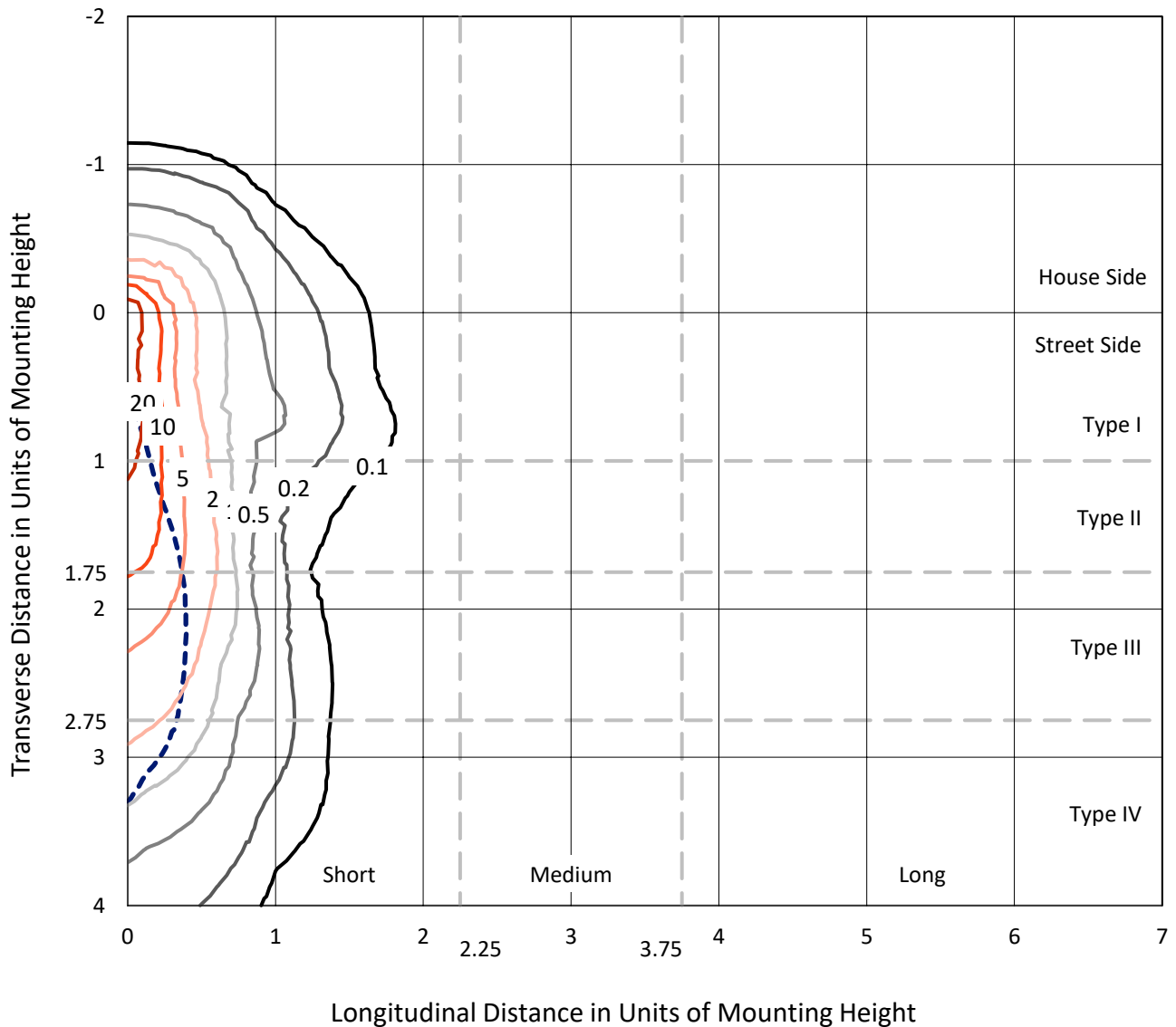
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

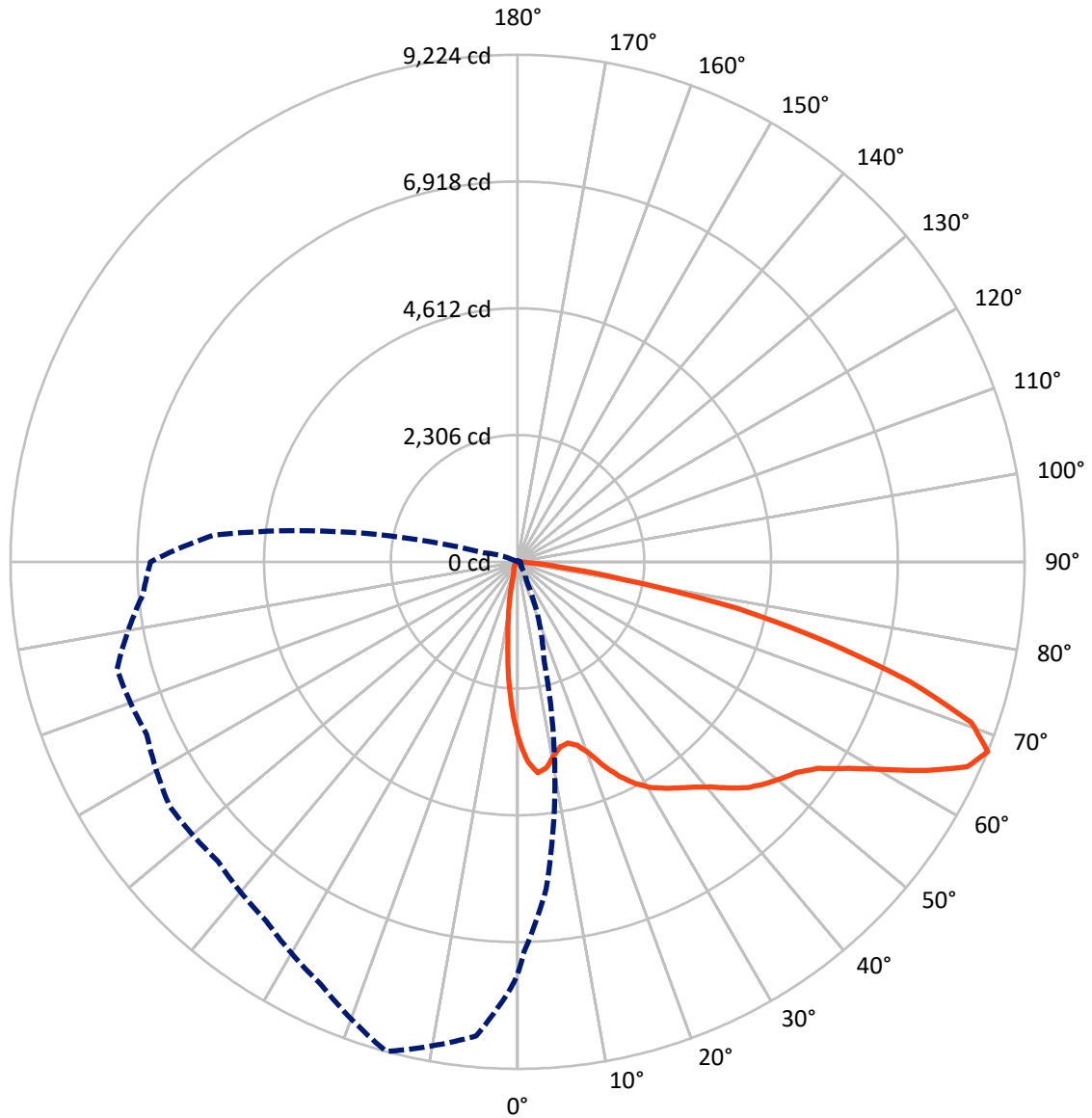
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 32.5 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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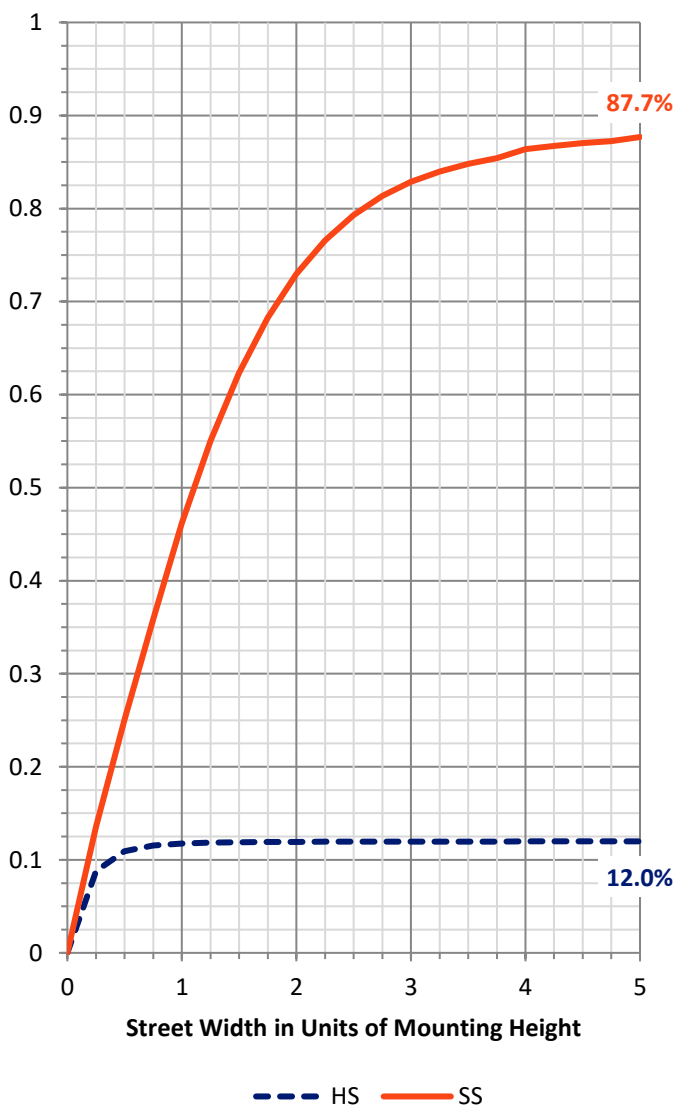
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1206.2	0.0	1206.2
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	8759.8	0.0	8759.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	9966.0	0.0	9966.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	2.5
10°-20°	495.9	5.0
20°-30°	704.2	7.1
30°-40°	1040.2	10.4
40°-50°	1500.2	15.1
50°-60°	2106.0	21.1
60°-70°	2455.0	24.6
70°-80°	1255.0	12.6
80°-90°	160.3	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°	9966.0	100.0
0°-180°	9966.0	100.0

Coefficient of Utilization

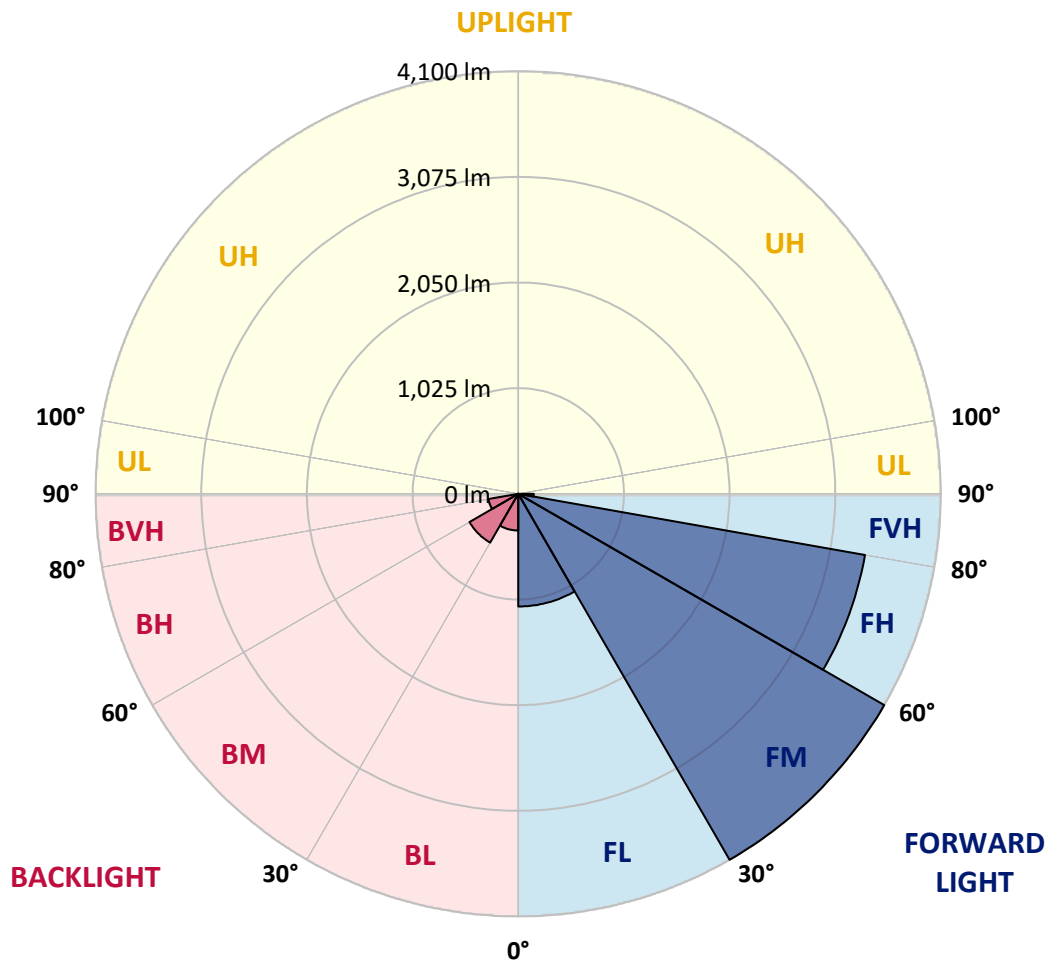


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1093.1	11.0			
FM (30°-60°)	4100.2	41.1			
FH (60°-80°)	3416.0	34.3			G2/5000
FVH (80°-90°)	150.5	1.5			G2/225
BL (0°-30°)	356.3	3.6	B1/500		
BM (30°-60°)	546.2	5.5	B1/1000		
BH (60°-80°)	294.0	2.9	B1/500		G1/500
BVH (80°-90°)	9.7	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°	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4
2.5°	3554.7	3527.3	3497.1	3398.4	3306.8	3202.0	3116.6	3057.1	2982.5	2885.7	2861.1
5°	3529.2	3499.9	3405.0	3185.5	2993.3	2806.4	2626.0	2520.3	2389.0	2255.9	2222.8
7.5°	3272.8	3242.2	3105.2	2804.5	2545.8	2275.7	2041.5	1896.6	1748.3	1626.5	1561.8
10°	3006.1	2972.6	2818.7	2453.7	2135.0	1890.9	1719.0	1580.7	1440.5	1310.2	1206.3
12.5°	2822.4	2778.5	2611.4	2197.8	1920.2	1754.5	1593.9	1428.2	1238.4	1098.7	984.4
15°	2745.5	2695.4	2518.8	2099.1	1844.2	1649.6	1440.5	1237.0	1014.6	854.6	749.8
17.5°	2805.0	2739.8	2550.5	2092.5	1748.8	1483.9	1219.5	980.6	739.4	577.4	502.8
20°	3007.0	2921.6	2681.3	2090.6	1633.1	1287.0	951.8	681.8	487.2	391.9	352.7
22.5°	3325.3	3212.4	2869.2	2105.7	1513.7	1080.2	687.4	463.2	365.9	316.3	293.2
25°	3709.6	3578.8	3139.7	2159.1	1408.9	879.1	499.5	365.9	308.8	272.4	253.1
27.5°	4075.0	3968.8	3481.5	2236.0	1327.6	716.7	405.6	310.2	263.9	239.8	224.3
30°	4440.0	4306.4	3832.3	2327.6	1229.9	606.7	356.5	282.8	236.5	211.0	201.1
32.5°	4705.3	4594.4	4107.1	2393.7	1125.6	534.9	318.7	258.7	221.0	195.0	180.4
35°	5017.4	4891.8	4342.7	2408.4	1058.5	489.6	286.6	232.8	191.7	168.6	153.0
37.5°	5354.5	5198.2	4614.7	2376.3	1006.1	467.4	262.5	221.0	178.9	155.3	138.8
40°	5727.5	5550.9	4875.7	2330.0	954.7	459.9	244.1	212.0	169.0	144.9	127.9
42.5°	6120.3	5912.1	5101.9	2281.4	922.1	433.9	242.2	203.0	161.5	135.5	118.5
45°	6450.3	6239.3	5334.2	2265.3	898.9	405.6	250.2	196.9	156.3	127.9	111.4
47.5°	6713.3	6513.6	5572.1	2301.2	885.7	379.6	228.0	204.9	153.4	121.3	105.3
50°	7027.3	6801.1	5907.4	2408.4	866.4	353.6	206.3	234.7	153.4	117.1	100.1
52.5°	7421.0	7197.2	6281.3	2574.6	827.7	317.7	185.5	235.1	154.9	111.4	93.5
55°	7916.3	7753.9	6815.3	2756.8	765.8	264.9	160.5	202.1	149.2	101.0	87.3
57.5°	8391.3	8258.6	7302.1	2881.4	683.2	206.8	139.8	162.9	136.4	88.8	77.9
59°	8521.1	8376.2	7480.5	2887.1	621.3	180.4	129.4	134.6	133.6	83.1	72.2
60°	8521.1	8367.2	7532.0	2856.9	576.5	165.7	122.8	119.9	139.3	79.3	68.9
62.5°	8366.7	8150.5	7364.8	2652.5	470.2	141.2	107.2	99.1	125.1	71.3	60.9
65°	8045.7	7730.8	6795.5	2282.8	419.3	129.4	92.5	81.2	86.9	62.8	53.4
67.5°	7510.3	7083.5	5974.4	1844.2	399.0	126.1	79.8	68.9	65.6	53.8	46.7
70°	6567.4	6093.9	4977.7	1449.9	381.5	124.6	67.0	58.1	52.9	45.3	39.7
72.5°	4779.9	4286.0	3533.9	1133.6	371.1	127.5	53.8	48.6	43.4	35.4	30.7
75°	2734.1	2410.7	1986.3	748.8	316.3	121.8	41.5	40.6	31.2	25.5	21.2
77.5°	1412.6	1369.7	1190.3	287.5	151.6	53.4	27.4	23.6	18.4	15.6	12.7
80°	609.5	602.9	521.7	83.1	40.1	29.7	15.6	9.9	8.5	6.6	5.2
82.5°	210.6	210.6	185.5	27.9	17.9	14.6	1.9	0.0	0.0	0.0	0.0
85°	42.5	47.7	33.5	0.0	6.1	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°	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4
2.5°	2831.4	2774.3	2770.5	2734.6	2689.8	2669.5	2657.7	2678.4	2703.9	2706.8	2745.0
5°	2197.8	2137.8	2162.9	2099.1	2111.9	2099.1	2078.3	2082.1	2093.5	2058.0	2101.9
7.5°	1543.4	1498.1	1526.9	1509.9	1532.6	1541.5	1528.8	1509.9	1454.2	1447.6	1485.8
10°	1163.3	1111.9	1081.2	1049.1	1056.2	1070.8	1066.1	1052.4	1017.0	1018.9	1055.7
12.5°	934.8	877.2	816.3	737.5	718.1	729.0	718.1	710.1	676.1	678.9	711.5
15°	709.1	661.9	598.2	534.9	500.5	503.8	473.6	452.3	431.1	405.6	425.4
17.5°	478.7	449.9	431.1	412.2	371.1	361.7	323.4	282.3	266.3	254.5	263.0
20°	339.0	323.4	315.9	314.9	291.3	279.5	242.2	216.7	208.7	206.3	211.5
22.5°	283.3	272.0	261.1	255.0	243.1	229.5	201.1	188.4	182.7	179.9	183.7
25°	246.5	238.0	226.6	216.2	211.5	196.9	176.6	167.1	163.4	160.5	162.4
27.5°	219.1	211.5	198.3	191.7	187.9	175.2	157.7	150.1	146.8	145.9	145.4
30°	197.4	190.3	178.0	170.4	163.8	152.5	142.1	134.6	131.3	130.3	129.4
32.5°	175.6	170.0	161.9	154.4	147.3	136.9	127.9	121.8	116.6	115.7	115.2
35°	148.3	142.6	138.3	137.9	131.3	121.3	114.7	106.7	102.5	101.0	101.5
37.5°	131.7	124.2	114.7	118.0	116.1	109.1	100.1	92.1	87.8	86.9	86.9
40°	121.3	113.3	102.5	96.8	102.5	101.0	86.9	78.8	74.6	74.1	73.2
42.5°	111.4	103.4	91.1	81.7	84.5	88.8	75.1	67.5	63.3	62.3	60.9
45°	104.3	95.8	82.2	71.3	65.6	74.6	64.2	54.8	52.4	50.5	49.6
47.5°	97.7	89.7	74.1	61.8	52.4	53.8	51.5	44.9	42.0	40.1	39.7
50°	92.1	83.6	67.0	52.9	43.4	39.7	41.5	35.4	33.0	31.2	30.2
52.5°	85.5	77.4	59.5	45.8	36.4	31.2	31.6	27.9	25.5	24.1	23.6
55°	80.3	72.2	53.4	40.1	32.1	25.5	22.7	21.7	20.3	19.4	18.9
57.5°	73.2	65.6	47.2	34.0	27.4	20.8	17.5	17.5	17.0	16.1	15.6
59°	68.9	62.3	43.4	30.7	25.0	17.9	15.6	16.1	15.6	14.6	14.2
60°	65.6	59.5	40.6	28.3	23.6	16.5	14.2	15.1	14.6	13.7	13.2
62.5°	58.1	53.8	34.9	23.6	20.8	13.2	11.8	12.7	12.7	12.3	11.8
65°	51.0	46.3	29.7	19.8	19.4	11.3	9.4	11.3	11.8	10.9	9.9
67.5°	44.4	39.7	26.0	16.1	17.9	9.0	7.1	9.4	12.7	9.9	9.0
70°	37.8	33.0	20.3	12.7	18.9	6.1	5.7	8.5	15.1	10.9	8.5
72.5°	29.3	25.5	14.2	9.4	20.3	4.2	4.2	7.1	17.0	11.8	8.0
75°	20.3	16.5	8.5	5.7	16.5	2.8	2.8	6.6	16.1	10.9	7.6
77.5°	11.8	9.0	2.8	0.5	8.5	0.0	0.5	4.7	11.3	6.6	3.3
80°	4.2	1.9	0.0	0.0	5.2	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°	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4
2.5°	2754.9	2818.7	2875.8	2962.2	3064.6	3182.7	3284.2	3393.2	3495.7	3538.2	3567.5
5°	2110.9	2189.8	2281.8	2408.8	2577.9	2786.1	2981.1	3201.6	3438.6	3557.1	3668.5
7.5°	1492.4	1572.7	1686.9	1822.0	2026.4	2274.3	2529.2	2833.8	3154.8	3342.2	3526.9
10°	1073.2	1171.8	1278.5	1463.1	1670.9	1906.0	2168.5	2508.5	2866.3	3074.1	3296.5
12.5°	730.4	842.8	1004.2	1211.0	1455.1	1685.5	1913.6	2237.9	2653.4	2859.3	3097.7
15°	438.1	500.5	671.4	910.8	1210.1	1497.1	1746.9	2072.2	2515.1	2767.2	3015.1
17.5°	270.1	298.9	391.9	588.3	902.7	1265.8	1608.1	2016.0	2534.9	2841.8	3107.1
20°	215.3	226.6	256.4	347.5	598.2	1010.8	1451.8	2004.7	2696.8	3074.5	3359.2
22.5°	187.0	197.8	217.7	252.6	376.3	756.8	1303.6	2015.1	2929.1	3423.5	3755.8
25°	164.8	174.2	193.1	221.9	275.7	533.0	1144.9	2061.3	3231.8	3856.4	4209.6
27.5°	147.3	155.3	172.8	199.2	236.5	372.0	965.0	2117.5	3590.6	4299.3	4647.7
30°	131.3	138.3	153.9	178.5	205.4	286.1	767.7	2155.8	3949.9	4647.7	4960.7
32.5°	117.6	122.8	136.9	157.7	178.5	228.0	583.6	2149.6	4216.6	4937.6	5185.9
35°	103.4	108.6	120.9	138.8	155.3	188.4	458.9	2034.9	4448.9	5238.3	5443.7
37.5°	87.8	94.4	106.2	122.3	133.6	165.7	371.1	1896.6	4684.5	5582.1	5731.3
40°	74.6	81.2	91.6	109.1	116.1	157.2	285.2	1728.0	4949.4	5966.4	6046.6
42.5°	61.8	68.0	78.8	94.0	109.5	135.5	211.0	1535.4	5203.9	6295.0	6334.2
45°	50.0	56.2	67.5	82.6	117.1	112.4	163.4	1329.1	5409.3	6568.4	6581.1
47.5°	39.7	45.3	57.1	77.9	109.1	89.7	116.6	1167.1	5581.6	6781.8	6748.2
50°	30.7	35.4	47.7	89.2	95.4	74.1	88.3	1113.3	5736.0	6914.0	6827.1
52.5°	24.1	28.3	39.2	83.6	74.1	61.4	74.1	1163.8	5947.5	7023.5	6871.5
55°	19.4	23.6	30.7	47.7	50.5	51.9	63.3	1211.0	6312.5	7280.3	7133.5
57.5°	16.1	20.3	25.0	33.5	38.2	43.9	56.2	1216.2	6742.6	7707.1	7568.3
59°	14.6	18.4	22.7	29.7	33.5	40.1	52.9	1187.9	6894.1	7862.5	7793.1
60°	13.7	17.5	21.2	27.4	31.2	37.8	51.0	1161.0	6900.7	7856.8	7888.9
62.5°	11.8	15.6	18.9	23.1	26.4	32.1	45.8	1061.4	6621.2	7599.5	7831.3
65°	10.4	13.7	17.0	19.8	22.7	28.8	41.5	879.6	6143.9	7184.5	7437.1
67.5°	9.4	11.8	15.6	17.5	20.3	25.5	36.8	627.0	5547.6	6676.9	6840.8
70°	8.5	11.3	14.2	16.1	18.4	22.2	31.6	360.2	4684.5	5933.8	6050.4
72.5°	8.0	10.9	12.7	15.1	16.5	19.8	28.8	169.5	3430.1	4753.5	5058.0
75°	7.1	9.9	11.8	14.2	15.6	17.9	24.6	81.2	2281.4	3440.0	3786.1
77.5°	4.2	8.0	10.9	12.7	13.7	15.6	20.3	46.7	1456.1	2381.0	2804.5
80°	0.0	2.8	8.0	10.9	11.8	13.2	15.6	36.8	779.0	1360.2	1632.6
82.5°	0.0	0.0	5.7	8.5	8.0	9.0	11.8	23.1	351.3	889.0	1001.9
85°	0.0	0.0	1.9	6.6	5.7	4.2	8.0	8.0	77.0	449.9	561.4
87.5°	0.0	0.0	0.0	0.5	2.8	1.9	3.3	0.9	0.5	33.5	136.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4	3246.4
2.5°	3669.9	3704.8	3763.9	3791.7	3778.0	3720.0	3650.6	3579.7	3538.2	3554.7
5°	3895.6	4075.5	4179.3	4213.8	4156.2	4025.9	3855.5	3630.7	3550.9	3529.2
7.5°	3895.6	4234.1	4448.5	4486.2	4357.8	4102.4	3782.8	3432.0	3315.3	3272.8
10°	3758.7	4219.5	4518.3	4578.3	4398.9	4016.9	3588.7	3188.3	3050.0	3006.1
12.5°	3604.3	4100.5	4415.4	4498.0	4350.7	3931.9	3454.1	3023.6	2860.7	2822.4
15°	3509.4	3954.1	4214.8	4274.7	4212.4	3882.4	3422.0	2974.0	2782.3	2745.5
17.5°	3543.4	3840.8	3934.8	3969.7	4011.7	3864.9	3509.4	3082.6	2839.9	2805.0
20°	3671.3	3721.4	3672.7	3716.7	3830.0	3881.9	3717.6	3345.1	3053.8	3007.0
22.5°	3888.5	3659.5	3523.1	3540.5	3678.4	3938.1	4035.8	3720.0	3383.8	3325.3
25°	4141.6	3709.6	3440.0	3424.4	3566.0	4012.2	4326.7	4127.9	3774.3	3709.6
27.5°	4459.8	3821.9	3423.0	3407.4	3526.9	4081.6	4568.4	4531.1	4185.5	4075.0
30°	4705.3	3932.4	3473.5	3437.6	3566.0	4129.8	4762.4	4873.4	4513.1	4440.0
32.5°	4881.4	4062.7	3555.7	3503.7	3676.5	4212.9	4912.1	5186.9	4816.3	4705.3
35°	5015.5	4204.4	3688.3	3602.9	3828.5	4338.9	5052.3	5520.7	5138.7	5017.4
37.5°	5141.1	4403.1	3895.6	3793.6	4067.0	4541.9	5200.6	5899.3	5499.4	5354.5
40°	5316.2	4628.3	4215.2	4124.6	4467.8	4818.6	5385.7	6294.0	5909.7	5727.5
42.5°	5491.4	4870.1	4542.4	4567.0	4967.8	5154.8	5624.6	6711.4	6314.8	6120.3
45°	5651.5	5119.4	5008.4	5121.7	5431.9	5523.5	5862.0	6952.7	6638.2	6450.3
47.5°	5794.1	5431.0	5471.6	5773.3	5959.8	5857.3	6039.6	7160.9	6879.0	6713.3
50°	5959.8	5834.2	6082.1	6508.9	6567.4	6159.5	6201.0	7407.3	7160.4	7027.3
52.5°	6141.1	6259.1	6758.2	7134.4	7115.6	6487.6	6363.4	7683.5	7546.1	7421.0
55°	6346.9	6602.3	7353.5	7719.9	7703.8	6854.0	6632.6	8024.9	8029.6	7916.3
57.5°	6652.4	6897.9	7757.7	8193.4	8220.4	7277.0	7088.6	8407.3	8466.8	8391.3
59°	6871.5	7089.6	7917.7	8391.3	8500.8	7604.2	7422.0	8629.2	8590.0	8521.1
60°	7033.9	7211.4	7997.0	8494.7	8663.7	7826.1	7668.0	8759.5	8604.7	8521.1
62.5°	7435.7	7476.7	8140.1	8611.8	8851.1	8319.0	8360.1	8981.4	8503.2	8366.7
65°	7623.1	7644.4	8138.2	8402.1	8669.8	8702.9	8988.0	8988.0	8255.3	8045.7
67.5°	7544.7	7442.3	7734.5	7707.1	7974.4	8474.8	9224.1	8658.5	7781.3	7510.3
70°	6907.3	6513.1	6383.3	6395.1	6599.5	7371.5	8756.7	7688.7	6884.2	6567.4
72.5°	5747.3	4801.6	4481.0	4846.9	4900.3	5665.2	7462.6	5790.3	5076.9	4779.9
75°	4622.7	3384.7	2863.5	3249.7	3340.4	4145.8	5772.8	3606.2	2965.5	2734.1
77.5°	3321.0	2429.6	2054.7	2027.8	2144.9	2629.3	4096.3	1814.9	1513.7	1412.6
80°	1886.7	1599.1	1721.9	1624.6	1683.6	1644.0	1946.1	796.0	652.0	609.5
82.5°	1138.8	945.2	1023.6	852.2	1078.4	939.1	749.8	255.0	221.4	210.6
85°	740.8	516.5	269.1	180.4	371.6	600.1	167.6	69.4	53.4	42.5
87.5°	255.4	131.7	13.2	5.7	39.7	111.9	6.1	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)