

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: P386896

Luminaire Tested: GAW-SA2C-760-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386896
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-760-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5700K, 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: 10943 lumens
Efficiency: N/A
Efficacy: 96.8 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

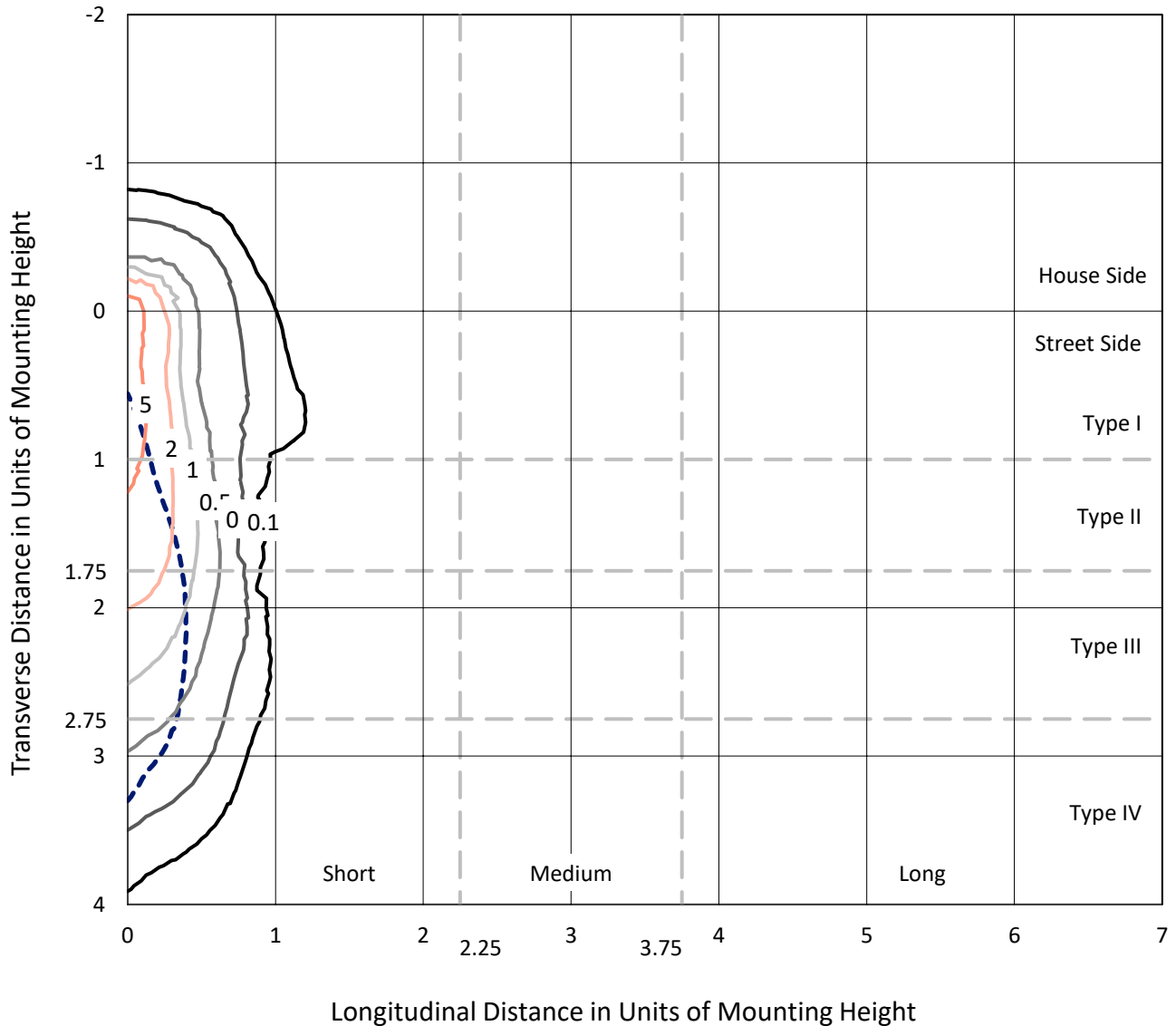




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Iso-Footcandle Lines of Horizontal Illumination

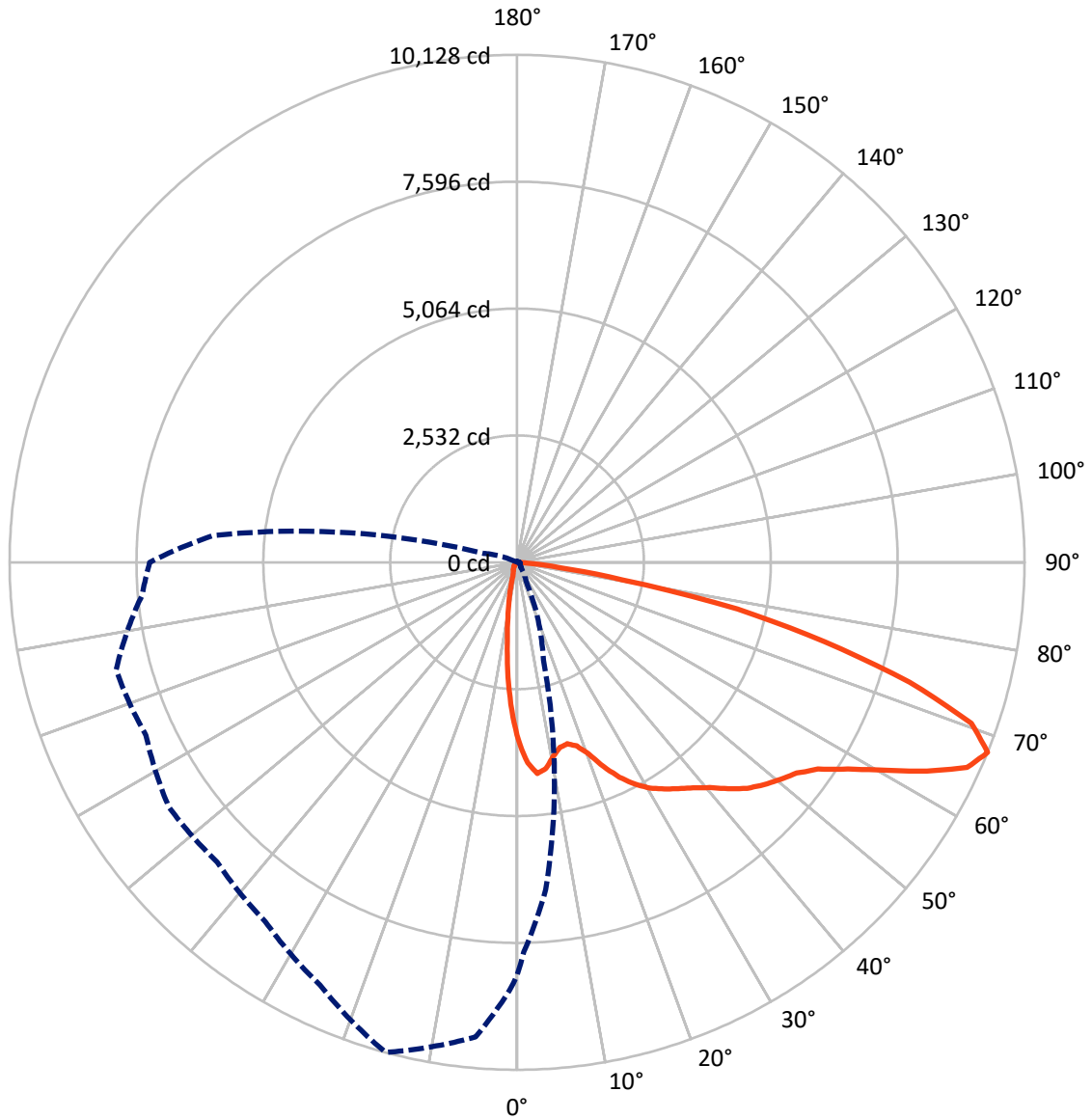
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 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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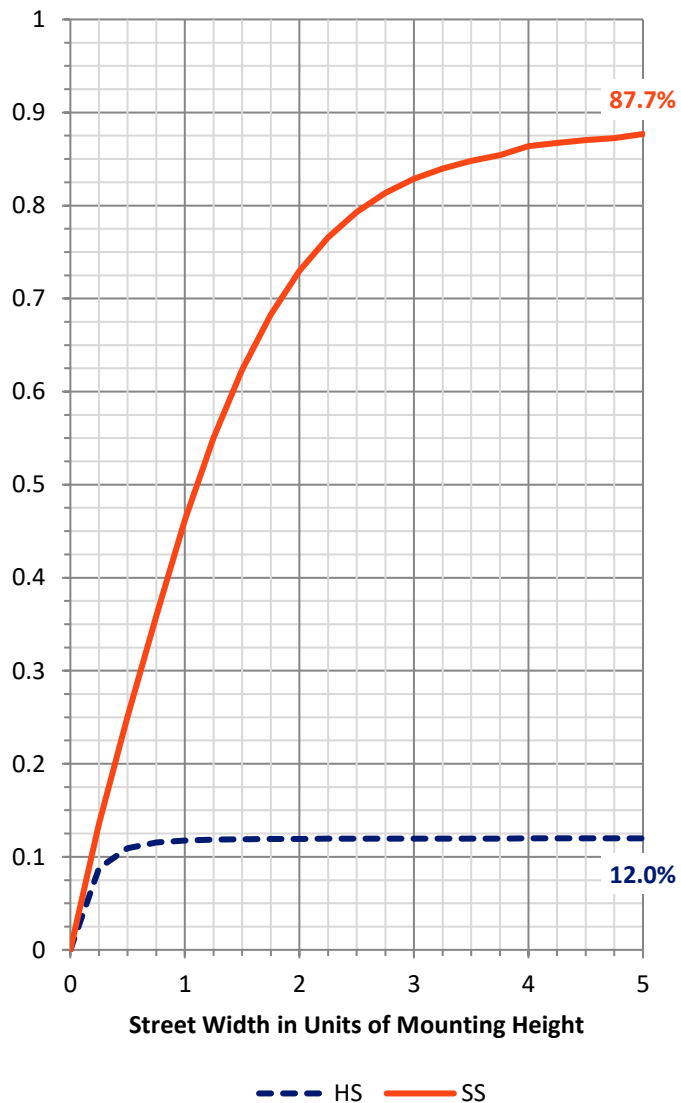
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1324.5	0.0	1324.5
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	9618.5	0.0	9618.5
	% Fixture	87.9	0.0	87.9
Total	Lumens	10943.0	0.0	10943.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.6	2.5
10°-20°	544.6	5.0
20°-30°	773.3	7.1
30°-40°	1142.2	10.4
40°-50°	1647.3	15.1
50°-60°	2312.4	21.1
60°-70°	2695.6	24.6
70°-80°	1378.1	12.6
80°-90°	176.0	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°	10943.0	100.0
0°-180°	10943.0	100.0

Coefficient of Utilization



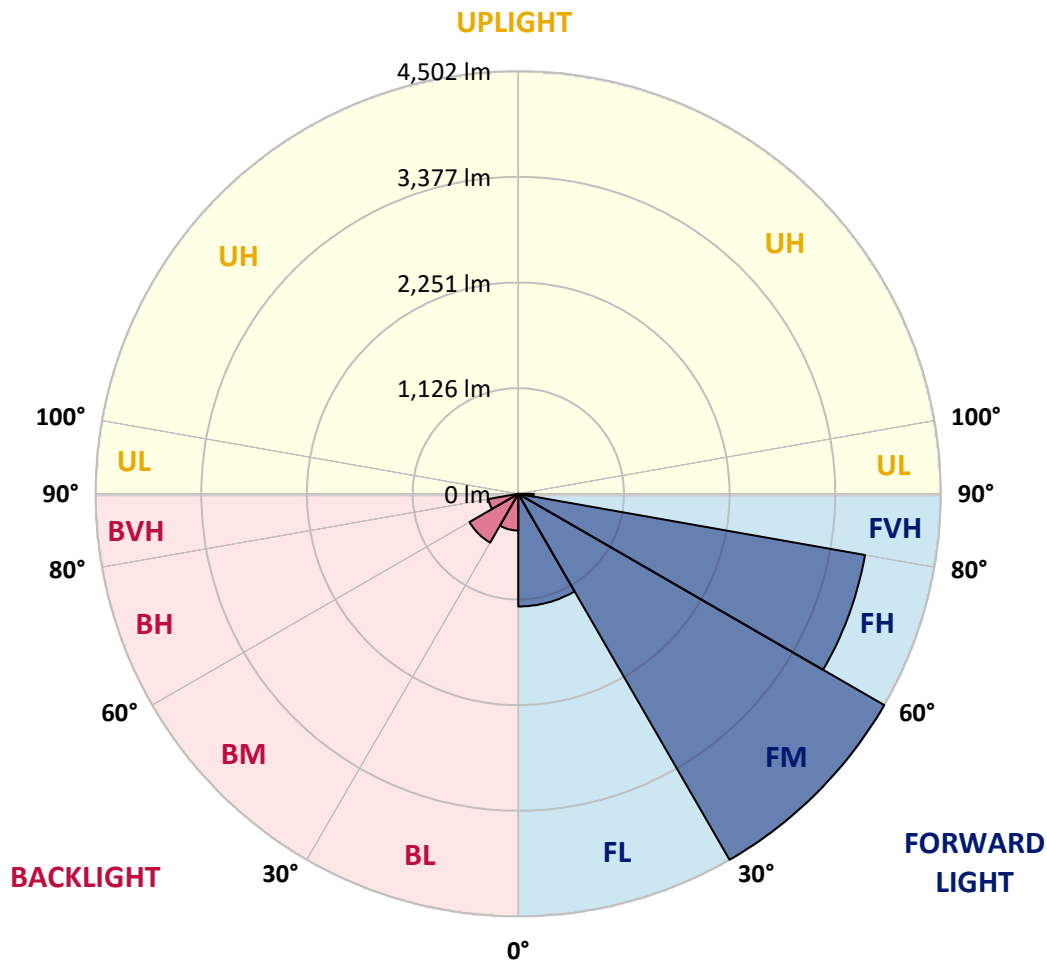
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1200.2	11.0			
FM (30°-60°)	4502.1	41.1			
FH (60°-80°)	3750.9	34.3			G2/5000
FVH (80°-90°)	165.3	1.5			G2/225
BL (0°-30°)	391.2	3.6	B1/500		
BM (30°-60°)	599.8	5.5	B1/1000		
BH (60°-80°)	322.8	2.9	B1/500		G1/500
BVH (80°-90°)	10.7	0.1			G1/100
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°	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7
2.5°	3903.2	3873.1	3839.9	3731.6	3631.0	3515.9	3422.1	3356.8	3274.9	3168.6	3141.6
5°	3875.2	3843.1	3738.9	3497.8	3286.8	3081.5	2883.5	2767.3	2623.2	2477.0	2440.7
7.5°	3593.7	3560.0	3409.7	3079.4	2795.3	2498.8	2241.7	2082.5	1919.7	1786.0	1714.9
10°	3300.8	3264.0	3095.0	2694.2	2344.3	2076.3	1887.6	1735.7	1581.7	1438.6	1324.6
12.5°	3099.1	3050.9	2867.4	2413.2	2108.4	1926.5	1750.2	1568.2	1359.8	1206.4	1080.9
15°	3014.6	2959.7	2765.8	2304.9	2025.0	1811.4	1581.7	1358.3	1114.1	938.3	823.3
17.5°	3079.9	3008.4	2800.5	2297.6	1920.2	1629.4	1339.1	1076.8	811.8	634.0	552.1
20°	3301.8	3208.0	2944.1	2295.6	1793.2	1413.2	1045.1	748.6	535.0	430.3	387.3
22.5°	3651.2	3527.3	3150.4	2312.2	1662.1	1186.1	754.8	508.6	401.8	347.3	321.9
25°	4073.2	3929.6	3447.5	2370.7	1547.0	965.3	548.5	401.8	339.0	299.1	277.9
27.5°	4474.5	4357.8	3822.8	2455.2	1457.8	787.0	445.3	340.6	289.8	263.4	246.2
30°	4875.2	4728.5	4208.0	2555.8	1350.5	666.2	391.4	310.5	259.7	231.7	220.8
32.5°	5166.6	5044.8	4509.7	2628.4	1235.9	587.4	349.9	284.1	242.6	214.1	198.0
35°	5509.3	5371.4	4768.4	2644.5	1162.3	537.6	314.7	255.6	210.5	185.1	168.0
37.5°	5879.4	5707.8	5067.0	2609.2	1104.8	513.2	288.2	242.6	196.5	170.6	152.4
40°	6289.0	6095.1	5353.7	2558.4	1048.2	504.9	268.0	232.8	185.6	159.2	140.5
42.5°	6720.3	6491.7	5602.1	2505.0	1012.5	476.4	265.9	222.9	177.3	148.8	130.1
45°	7082.7	6850.9	5857.1	2487.4	987.1	445.3	274.8	216.2	171.6	140.5	122.3
47.5°	7371.4	7152.1	6118.4	2526.8	972.6	416.8	250.4	225.0	168.5	133.2	115.6
50°	7716.2	7467.9	6486.5	2644.5	951.3	388.3	226.5	257.7	168.5	128.6	109.9
52.5°	8148.5	7902.8	6897.1	2826.9	908.8	348.9	203.7	258.2	170.0	122.3	102.6
55°	8692.4	8514.0	7483.4	3027.1	840.9	290.8	176.3	221.9	163.8	110.9	95.9
57.5°	9213.9	9068.2	8017.9	3163.9	750.2	227.1	153.5	178.9	149.8	97.5	85.5
59°	9356.5	9197.3	8213.9	3170.1	682.2	198.0	142.0	147.7	146.7	91.2	79.3
60°	9356.5	9187.5	8270.4	3137.0	633.0	182.0	134.8	131.7	152.9	87.1	75.7
62.5°	9186.9	8949.5	8086.8	2912.5	516.3	155.0	117.7	108.9	137.4	78.3	66.9
65°	8834.4	8488.6	7461.6	2506.6	460.4	142.0	101.6	89.2	95.4	68.9	58.6
67.5°	8246.5	7777.9	6560.1	2025.0	438.1	138.4	87.6	75.7	72.1	59.1	51.3
70°	7211.2	6691.3	5465.7	1592.1	418.9	136.9	73.6	63.8	58.1	49.8	43.5
72.5°	5248.5	4706.2	3880.4	1244.7	407.5	140.0	59.1	53.4	47.7	38.9	33.7
75°	3002.2	2647.1	2181.0	822.2	347.3	133.8	45.6	44.6	34.2	28.0	23.3
77.5°	1551.1	1503.9	1306.9	315.7	166.4	58.6	30.1	25.9	20.2	17.1	14.0
80°	669.3	662.0	572.9	91.2	44.1	32.7	17.1	10.9	9.3	7.3	5.7
82.5°	231.2	231.2	203.7	30.6	19.7	16.1	2.1	0.0	0.0	0.0	0.0
85°	46.7	52.4	36.8	0.0	6.7	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°	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7
2.5°	3109.0	3046.2	3042.1	3002.7	2953.4	2931.2	2918.2	2941.0	2969.0	2972.1	3014.1
5°	2413.2	2347.4	2374.9	2304.9	2318.9	2304.9	2282.1	2286.2	2298.7	2259.8	2308.0
7.5°	1694.7	1644.9	1676.6	1657.9	1682.8	1692.6	1678.6	1657.9	1596.7	1589.5	1631.5
10°	1277.4	1220.9	1187.2	1151.9	1159.7	1175.8	1170.6	1155.6	1116.7	1118.8	1159.2
12.5°	1026.5	963.2	896.3	809.8	788.5	800.4	788.5	779.7	742.4	745.5	781.3
15°	778.7	726.8	656.8	587.4	549.5	553.2	520.0	496.6	473.3	445.3	467.1
17.5°	525.7	494.1	473.3	452.6	407.5	397.1	355.1	310.0	292.4	279.4	288.8
20°	372.2	355.1	346.8	345.8	319.9	306.9	265.9	238.0	229.1	226.5	232.3
22.5°	311.1	298.6	286.7	279.9	267.0	252.0	220.8	206.8	200.6	197.5	201.7
25°	270.6	261.3	248.8	237.4	232.3	216.2	193.9	183.5	179.4	176.3	178.3
27.5°	240.5	232.3	217.7	210.5	206.3	192.3	173.2	164.9	161.2	160.2	159.7
30°	216.7	208.9	195.4	187.1	179.9	167.4	156.0	147.7	144.1	143.1	142.0
32.5°	192.9	186.6	177.8	169.5	161.7	150.3	140.5	133.8	128.0	127.0	126.5
35°	162.8	156.6	151.9	151.4	144.1	133.2	126.0	117.2	112.5	110.9	111.5
37.5°	144.6	136.3	126.0	129.6	127.5	119.8	109.9	101.1	96.4	95.4	95.4
40°	133.2	124.4	112.5	106.3	112.5	110.9	95.4	86.6	81.9	81.4	80.4
42.5°	122.3	113.5	100.1	89.7	92.8	97.5	82.4	74.1	69.5	68.4	66.9
45°	114.6	105.2	90.2	78.3	72.1	81.9	70.5	60.1	57.5	55.5	54.4
47.5°	107.3	98.5	81.4	67.9	57.5	59.1	56.5	49.2	46.1	44.1	43.5
50°	101.1	91.8	73.6	58.1	47.7	43.5	45.6	38.9	36.3	34.2	33.2
52.5°	93.8	85.0	65.3	50.3	39.9	34.2	34.7	30.6	28.0	26.4	25.9
55°	88.1	79.3	58.6	44.1	35.3	28.0	24.9	23.8	22.3	21.3	20.7
57.5°	80.4	72.1	51.8	37.3	30.1	22.8	19.2	19.2	18.7	17.6	17.1
59°	75.7	68.4	47.7	33.7	27.5	19.7	17.1	17.6	17.1	16.1	15.6
60°	72.1	65.3	44.6	31.1	25.9	18.1	15.6	16.6	16.1	15.0	14.5
62.5°	63.8	59.1	38.4	25.9	22.8	14.5	13.0	14.0	14.0	13.5	13.0
65°	56.0	50.8	32.7	21.8	21.3	12.4	10.4	12.4	13.0	11.9	10.9
67.5°	48.7	43.5	28.5	17.6	19.7	9.8	7.8	10.4	14.0	10.9	9.8
70°	41.5	36.3	22.3	14.0	20.7	6.7	6.2	9.3	16.6	11.9	9.3
72.5°	32.1	28.0	15.6	10.4	22.3	4.7	4.7	7.8	18.7	13.0	8.8
75°	22.3	18.1	9.3	6.2	18.1	3.1	3.1	7.3	17.6	11.9	8.3
77.5°	13.0	9.8	3.1	0.5	9.3	0.0	0.5	5.2	12.4	7.3	3.6
80°	4.7	2.1	0.0	0.0	5.7	0.0	0.0	0.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7
2.5°	3025.0	3095.0	3157.7	3252.6	3365.1	3494.7	3606.1	3725.9	3838.4	3885.0	3917.2
5°	2317.9	2404.4	2505.5	2645.0	2830.6	3059.2	3273.3	3515.4	3775.7	3905.8	4028.1
7.5°	1638.7	1726.9	1852.3	2000.6	2225.1	2497.2	2777.2	3111.6	3464.1	3669.9	3872.6
10°	1178.4	1286.7	1403.9	1606.6	1834.7	2092.9	2381.1	2754.4	3147.3	3375.4	3619.6
12.5°	802.0	925.4	1102.7	1329.7	1597.8	1850.8	2101.2	2457.3	2913.5	3139.6	3401.4
15°	481.1	549.5	737.2	1000.0	1328.7	1643.9	1918.2	2275.3	2761.6	3038.5	3310.6
17.5°	296.5	328.2	430.3	646.0	991.2	1389.9	1765.7	2213.7	2783.4	3120.4	3411.7
20°	236.4	248.8	281.5	381.6	656.8	1109.9	1594.1	2201.2	2961.2	3376.0	3688.6
22.5°	205.3	217.2	239.0	277.4	413.2	831.0	1431.4	2212.6	3216.3	3759.1	4124.0
25°	180.9	191.3	212.0	243.7	302.8	585.3	1257.2	2263.4	3548.6	4234.5	4622.2
27.5°	161.7	170.6	189.7	218.8	259.7	408.5	1059.7	2325.1	3942.6	4720.7	5103.3
30°	144.1	151.9	169.0	196.0	225.5	314.2	843.0	2367.1	4337.1	5103.3	5447.0
32.5°	129.1	134.8	150.3	173.2	196.0	250.4	640.8	2360.4	4630.0	5421.6	5694.3
35°	113.5	119.2	132.7	152.4	170.6	206.8	503.9	2234.4	4885.1	5751.9	5977.4
37.5°	96.4	103.7	116.6	134.3	146.7	182.0	407.5	2082.5	5143.8	6129.3	6293.1
40°	81.9	89.2	100.6	119.8	127.5	172.6	313.1	1897.4	5434.6	6551.3	6639.4
42.5°	67.9	74.7	86.6	103.2	120.3	148.8	231.7	1685.9	5714.0	6912.1	6955.1
45°	55.0	61.7	74.1	90.7	128.6	123.4	179.4	1459.4	5939.5	7212.3	7226.3
47.5°	43.5	49.8	62.7	85.5	119.8	98.5	128.0	1281.5	6128.8	7446.6	7409.8
50°	33.7	38.9	52.4	98.0	104.7	81.4	96.9	1222.4	6298.3	7591.8	7496.4
52.5°	26.4	31.1	43.0	91.8	81.4	67.4	81.4	1277.9	6530.5	7712.0	7545.1
55°	21.3	25.9	33.7	52.4	55.5	57.0	69.5	1329.7	6931.3	7994.0	7832.8
57.5°	17.6	22.3	27.5	36.8	42.0	48.2	61.7	1335.5	7403.6	8462.7	8310.3
59°	16.1	20.2	24.9	32.7	36.8	44.1	58.1	1304.3	7570.0	8633.3	8557.1
60°	15.0	19.2	23.3	30.1	34.2	41.5	56.0	1274.8	7577.2	8627.0	8662.3
62.5°	13.0	17.1	20.7	25.4	29.0	35.3	50.3	1165.4	7270.3	8344.5	8599.0
65°	11.4	15.0	18.7	21.8	24.9	31.6	45.6	965.8	6746.2	7888.8	8166.2
67.5°	10.4	13.0	17.1	19.2	22.3	28.0	40.4	688.5	6091.4	7331.5	7511.4
70°	9.3	12.4	15.6	17.6	20.2	24.4	34.7	395.6	5143.8	6515.5	6643.6
72.5°	8.8	11.9	14.0	16.6	18.1	21.8	31.6	186.1	3766.3	5219.5	5553.8
75°	7.8	10.9	13.0	15.6	17.1	19.7	27.0	89.2	2505.0	3777.2	4157.2
77.5°	4.7	8.8	11.9	14.0	15.0	17.1	22.3	51.3	1598.8	2614.4	3079.4
80°	0.0	3.1	8.8	11.9	13.0	14.5	17.1	40.4	855.4	1493.6	1792.7
82.5°	0.0	0.0	6.2	9.3	8.8	9.8	13.0	25.4	385.7	976.2	1100.1
85°	0.0	0.0	2.1	7.3	6.2	4.7	8.8	8.8	84.5	494.1	616.4
87.5°	0.0	0.0	0.0	0.5	3.1	2.1	3.6	1.0	0.5	36.8	149.3
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°	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7	3564.7
2.5°	4029.7	4068.0	4132.9	4163.4	4148.4	4084.6	4008.4	3930.7	3885.0	3903.2
5°	4277.5	4475.0	4589.1	4626.9	4563.7	4420.6	4233.4	3986.7	3899.0	3875.2
7.5°	4277.5	4649.2	4884.6	4926.0	4785.0	4504.6	4153.6	3768.4	3640.4	3593.7
10°	4127.1	4633.1	4961.3	5027.1	4830.1	4410.7	3940.5	3500.9	3349.0	3300.8
12.5°	3957.6	4502.5	4848.3	4939.0	4777.2	4317.4	3792.8	3320.0	3141.1	3099.1
15°	3853.4	4341.8	4627.9	4693.8	4625.4	4263.0	3757.5	3265.5	3055.1	3014.6
17.5°	3890.7	4217.4	4320.5	4358.9	4405.0	4243.8	3853.4	3384.8	3118.3	3079.9
20°	4031.2	4086.2	4032.8	4081.0	4205.4	4262.5	4082.0	3673.0	3353.1	3301.8
22.5°	4269.7	4018.3	3868.5	3887.6	4039.0	4324.1	4431.5	4084.6	3715.5	3651.2
25°	4547.6	4073.2	3777.2	3760.1	3915.6	4405.5	4750.8	4532.6	4144.3	4073.2
27.5°	4897.0	4196.6	3758.6	3741.4	3872.6	4481.7	5016.2	4975.3	4595.8	4474.5
30°	5166.6	4317.9	3814.0	3774.6	3915.6	4534.6	5229.3	5351.1	4955.6	4875.2
32.5°	5360.0	4461.0	3904.2	3847.2	4036.9	4625.9	5393.7	5695.4	5288.4	5166.6
35°	5507.2	4616.5	4049.9	3956.1	4203.9	4764.3	5547.6	6061.9	5642.5	5509.3
37.5°	5645.1	4834.8	4277.5	4165.5	4465.7	4987.2	5710.4	6477.7	6038.6	5879.4
40°	5837.4	5082.1	4628.5	4528.9	4905.8	5291.0	5913.6	6911.1	6489.1	6289.0
42.5°	6029.8	5347.5	4987.7	5014.7	5454.8	5660.1	6175.9	7369.4	6933.9	6720.3
45°	6205.5	5621.2	5499.4	5623.8	5964.4	6065.0	6436.7	7634.3	7289.0	7082.7
47.5°	6362.1	5963.4	6008.0	6339.3	6544.0	6431.5	6631.6	7862.9	7553.4	7371.4
50°	6544.0	6406.1	6678.3	7147.0	7211.2	6763.3	6808.9	8133.5	7862.4	7716.2
52.5°	6743.1	6872.7	7420.7	7833.9	7813.1	7123.6	6987.3	8436.8	8285.9	8148.5
55°	6969.1	7249.6	8074.4	8476.7	8459.1	7525.9	7282.8	8811.6	8816.8	8692.4
57.5°	7304.6	7574.1	8518.2	8996.7	9026.2	7990.4	7783.6	9231.5	9296.8	9213.9
59°	7545.1	7784.6	8693.9	9213.9	9334.2	8349.7	8149.6	9475.2	9432.1	9356.5
60°	7723.4	7918.4	8781.0	9327.4	9513.0	8593.3	8419.7	9618.3	9448.2	9356.5
62.5°	8164.6	8209.7	8938.1	9456.0	9718.8	9134.6	9179.7	9861.9	9336.8	9186.9
65°	8370.4	8393.8	8936.0	9225.8	9519.8	9556.1	9869.2	9869.2	9064.6	8834.4
67.5°	8284.4	8171.9	8492.8	8462.7	8756.1	9305.7	10128.4	9507.3	8544.1	8246.5
70°	7584.5	7151.6	7009.1	7022.0	7246.5	8094.1	9615.2	8442.5	7559.1	7211.2
72.5°	6310.7	5272.3	4920.3	5322.1	5380.7	6220.5	8194.2	6357.9	5574.6	5248.5
75°	5075.9	3716.6	3144.2	3568.3	3667.8	4552.3	6338.7	3959.7	3256.2	3002.2
77.5°	3646.6	2667.8	2256.2	2226.6	2355.2	2887.1	4497.8	1992.8	1662.1	1551.1
80°	2071.6	1755.9	1890.7	1783.9	1848.7	1805.1	2136.9	874.1	715.9	669.3
82.5°	1250.4	1037.9	1123.9	935.7	1184.1	1031.1	823.3	279.9	243.1	231.2
85°	813.4	567.2	295.5	198.0	408.0	658.9	184.0	76.2	58.6	46.7
87.5°	280.5	144.6	14.5	6.2	43.5	122.9	6.7	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)