

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: P386952

Luminaire Tested: GAW-SA2C-830-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386952
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-830-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 80 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: 8695 lumens
Efficiency: N/A
Efficacy: 78.3 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): 111
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

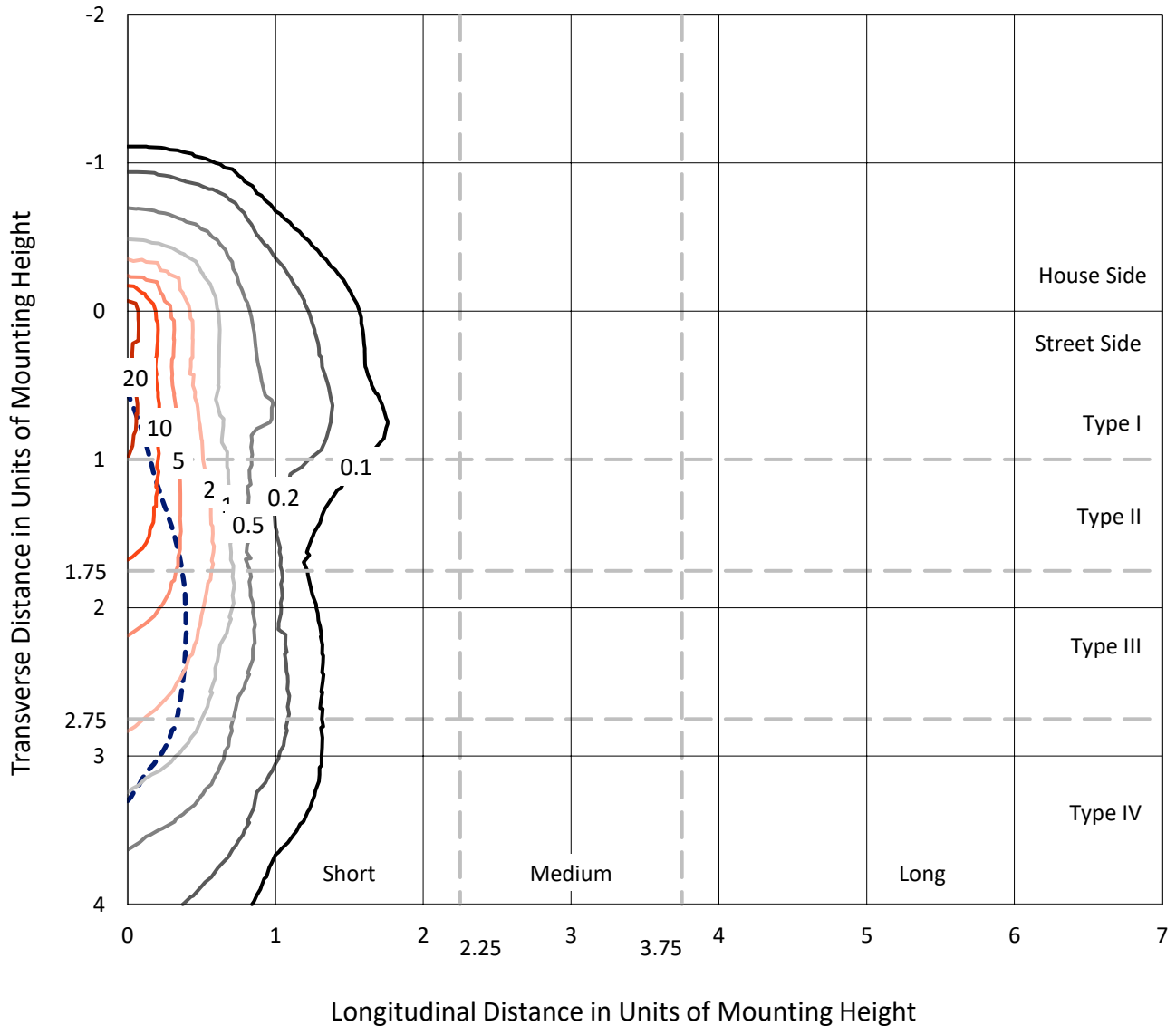




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Iso-Footcandle Lines of Horizontal Illumination

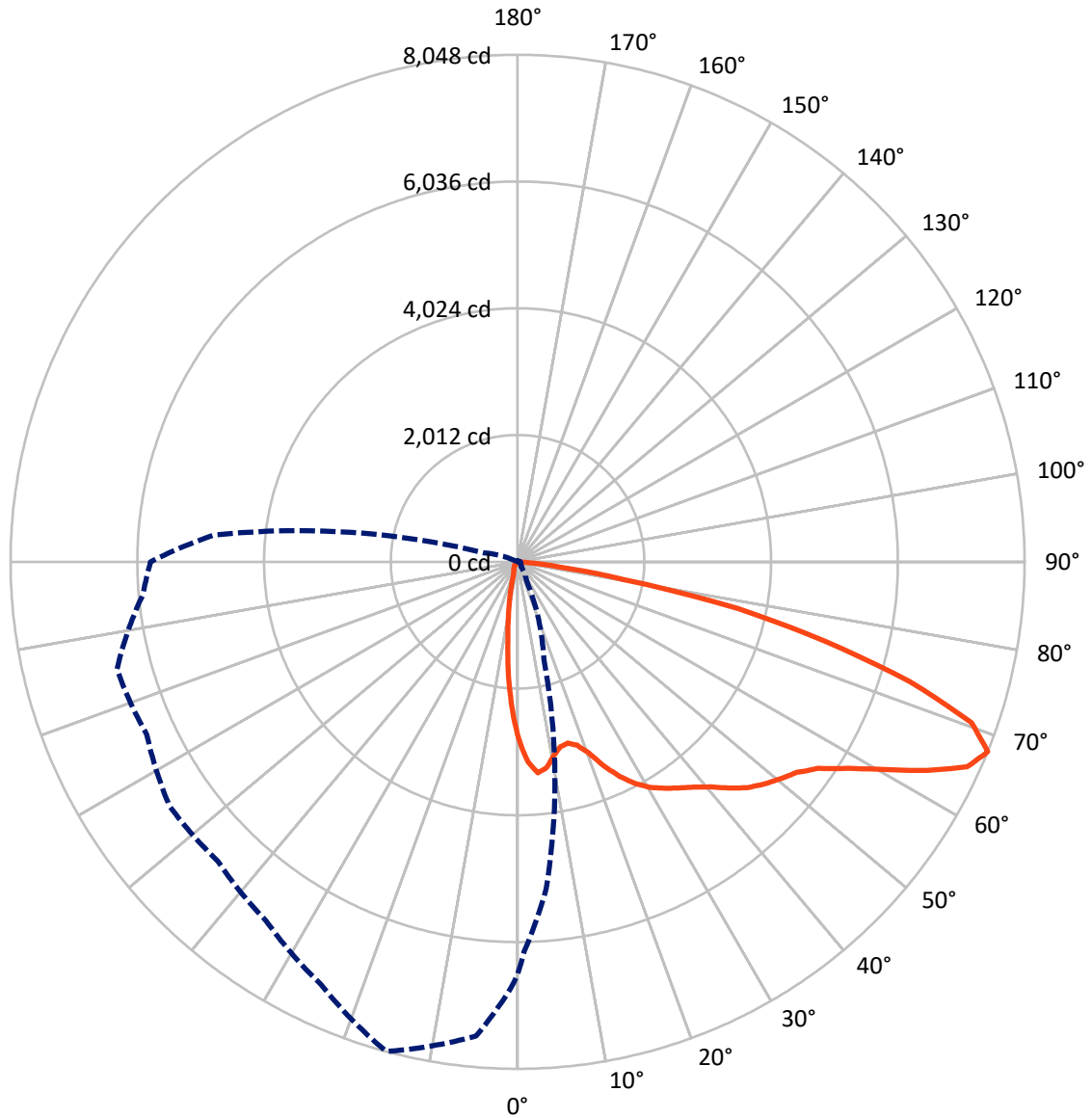
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.3 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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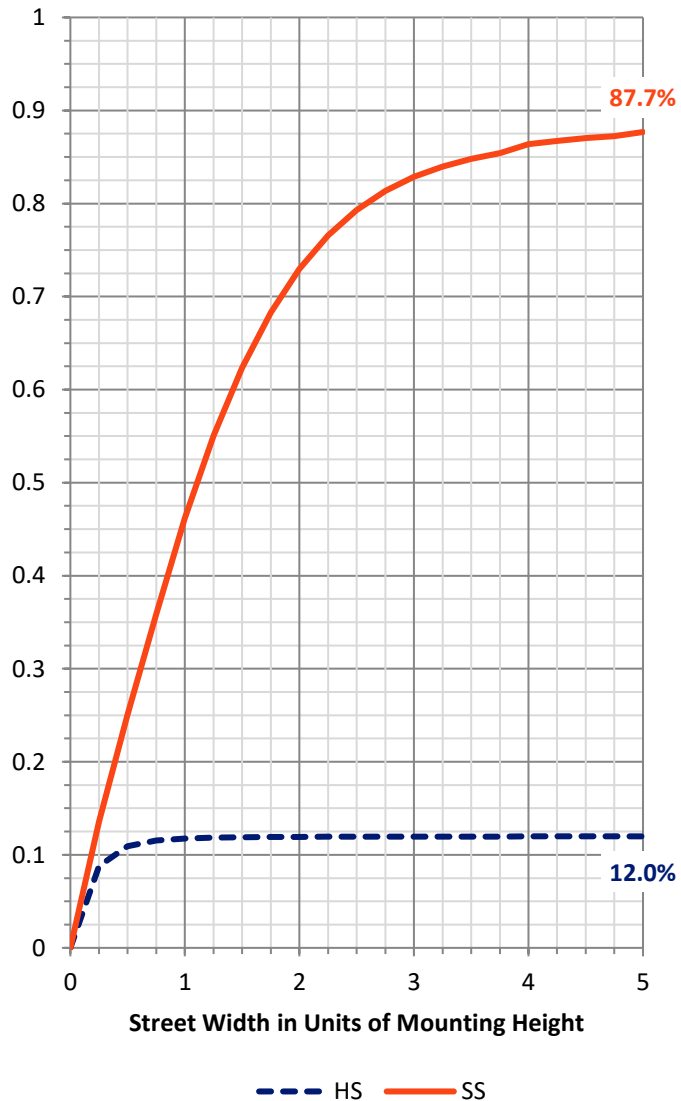
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1052.4	0.0	1052.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	7642.6	0.0	7642.6
	% Fixture	87.9	0.0	87.9
Total	Lumens	8695.0	0.0	8695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	2.5
10°-20°	432.7	5.0
20°-30°	614.4	7.1
30°-40°	907.6	10.4
40°-50°	1308.9	15.1
50°-60°	1837.4	21.1
60°-70°	2141.9	24.6
70°-80°	1095.0	12.6
80°-90°	139.8	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°	8695.0	100.0
0°-180°	8695.0	100.0

Coefficient of Utilization



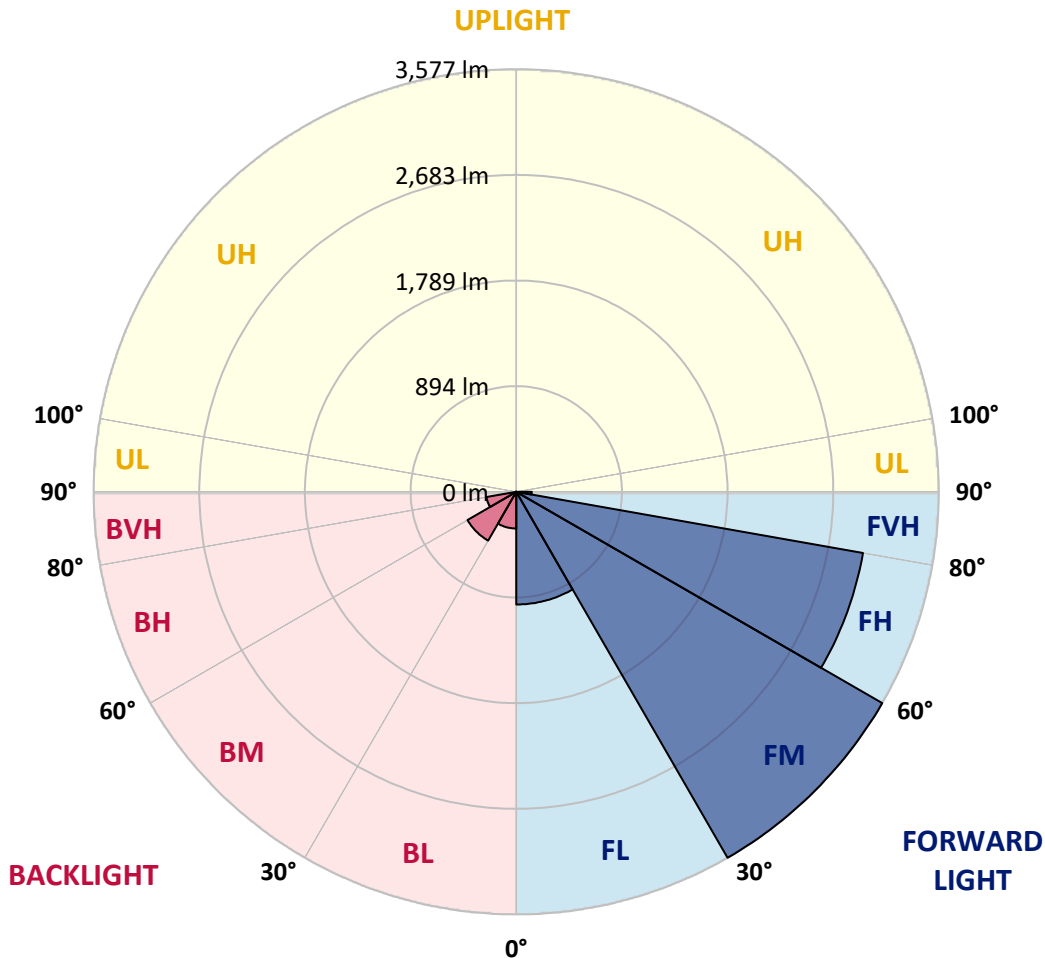
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	953.7	11.0			
FM	(30°-60°)	3577.3	41.1			
FH	(60°-80°)	2980.3	34.3			G2/5000
FVH	(80°-90°)	131.3	1.5			G2/225
BL	(0°-30°)	310.8	3.6	B1/500		
BM	(30°-60°)	476.6	5.5	B1/1000		
BH	(60°-80°)	256.5	2.9	B1/500		G1/500
BVH	(80°-90°)	8.5	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°	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4
2.5°	3101.4	3077.5	3051.1	2965.0	2885.1	2793.7	2719.1	2667.2	2602.1	2517.7	2496.3
5°	3079.1	3053.6	2970.8	2779.2	2611.6	2448.5	2291.1	2198.8	2084.3	1968.2	1939.3
7.5°	2855.4	2828.7	2709.2	2446.8	2221.1	1985.5	1781.2	1654.7	1525.3	1419.1	1362.6
10°	2622.7	2593.5	2459.2	2140.8	1862.7	1649.8	1499.8	1379.1	1256.8	1143.1	1052.5
12.5°	2462.5	2424.2	2278.3	1917.5	1675.3	1530.7	1390.7	1246.1	1080.5	958.5	858.9
15°	2395.3	2351.7	2197.6	1831.4	1609.0	1439.3	1256.8	1079.2	885.2	745.6	654.1
17.5°	2447.2	2390.4	2225.2	1825.6	1525.8	1294.7	1064.0	855.6	645.1	503.8	438.7
20°	2623.5	2549.0	2339.3	1824.0	1424.8	1122.9	830.4	594.8	425.1	341.9	307.7
22.5°	2901.2	2802.7	2503.3	1837.2	1320.6	942.5	599.8	404.1	319.2	276.0	255.8
25°	3236.5	3122.4	2739.3	1883.7	1229.2	767.0	435.8	319.2	269.4	237.7	220.8
27.5°	3555.3	3462.6	3037.5	1950.9	1158.3	625.3	353.8	270.6	230.3	209.3	195.7
30°	3873.7	3757.1	3343.6	2030.8	1073.1	529.3	311.0	246.7	206.4	184.1	175.5
32.5°	4105.2	4008.4	3583.3	2088.4	982.0	466.7	278.0	225.7	192.8	170.1	157.4
35°	4377.5	4267.9	3788.9	2101.2	923.5	427.2	250.0	203.1	167.2	147.1	133.5
37.5°	4671.6	4535.3	4026.1	2073.2	877.8	407.8	229.0	192.8	156.1	135.5	121.1
40°	4997.0	4843.0	4253.9	2032.8	832.9	401.2	213.0	185.0	147.5	126.5	111.6
42.5°	5339.8	5158.1	4451.2	1990.4	804.5	378.6	211.3	177.1	140.9	118.2	103.4
45°	5627.7	5443.6	4653.9	1976.4	784.3	353.8	218.3	171.8	136.3	111.6	97.2
47.5°	5857.1	5682.9	4861.5	2007.7	772.8	331.2	199.0	178.8	133.9	105.9	91.9
50°	6131.1	5933.7	5154.0	2101.2	755.9	308.5	180.0	204.7	133.9	102.2	87.3
52.5°	6474.6	6279.3	5480.2	2246.2	722.1	277.2	161.9	205.1	135.1	97.2	81.6
55°	6906.7	6765.0	5946.1	2405.2	668.1	231.1	140.1	176.3	130.2	88.2	76.2
57.5°	7321.1	7205.4	6370.8	2514.0	596.1	180.4	121.9	142.1	119.0	77.4	68.0
59°	7434.4	7307.9	6526.5	2518.9	542.1	157.4	112.9	117.4	116.6	72.5	63.0
60°	7434.4	7300.1	6571.4	2492.5	503.0	144.6	107.1	104.6	121.5	69.2	60.1
62.5°	7299.7	7111.0	6425.6	2314.2	410.3	123.2	93.5	86.5	109.2	62.2	53.1
65°	7019.6	6744.8	5928.8	1991.6	365.8	112.9	80.7	70.9	75.8	54.8	46.5
67.5°	6552.5	6180.1	5212.5	1609.0	348.1	110.0	69.6	60.1	57.3	47.0	40.8
70°	5729.8	5316.7	4342.9	1265.0	332.8	108.7	58.5	50.7	46.1	39.5	34.6
72.5°	4170.3	3739.4	3083.2	989.0	323.8	111.2	47.0	42.4	37.9	30.9	26.8
75°	2385.4	2103.3	1733.0	653.3	276.0	106.3	36.2	35.4	27.2	22.2	18.5
77.5°	1232.5	1195.0	1038.5	250.9	132.2	46.5	23.9	20.6	16.1	13.6	11.1
80°	531.8	526.0	455.2	72.5	35.0	26.0	13.6	8.7	7.4	5.8	4.5
82.5°	183.7	183.7	161.9	24.3	15.7	12.8	1.6	0.0	0.0	0.0	0.0
85°	37.1	41.6	29.2	0.0	5.4	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°	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4
2.5°	2470.3	2420.5	2417.2	2385.9	2346.7	2329.0	2318.7	2336.8	2359.1	2361.6	2394.9
5°	1917.5	1865.2	1887.0	1831.4	1842.5	1831.4	1813.3	1816.6	1826.5	1795.6	1833.9
7.5°	1346.6	1307.0	1332.2	1317.3	1337.1	1344.9	1333.8	1317.3	1268.7	1263.0	1296.3
10°	1015.0	970.1	943.3	915.3	921.5	934.2	930.1	918.2	887.3	888.9	921.1
12.5°	815.6	765.4	712.2	643.4	626.5	636.0	626.5	619.5	589.9	592.3	620.8
15°	618.7	577.5	521.9	466.7	436.6	439.5	413.2	394.6	376.1	353.8	371.1
17.5°	417.7	392.6	376.1	359.6	323.8	315.5	282.2	246.3	232.3	222.0	229.4
20°	295.8	282.2	275.6	274.8	254.2	243.9	211.3	189.1	182.1	180.0	184.5
22.5°	247.2	237.3	227.8	222.4	212.1	200.2	175.5	164.4	159.4	156.9	160.2
25°	215.0	207.6	197.7	188.7	184.5	171.8	154.1	145.8	142.5	140.1	141.7
27.5°	191.1	184.5	173.0	167.2	163.9	152.8	137.6	131.0	128.1	127.3	126.9
30°	172.2	166.0	155.3	148.7	142.9	133.1	124.0	117.4	114.5	113.7	112.9
32.5°	153.2	148.3	141.3	134.7	128.5	119.5	111.6	106.3	101.7	100.9	100.5
35°	129.3	124.4	120.7	120.3	114.5	105.9	100.1	93.1	89.4	88.2	88.6
37.5°	114.9	108.3	100.1	103.0	101.3	95.2	87.3	80.3	76.6	75.8	75.8
40°	105.9	98.9	89.4	84.4	89.4	88.2	75.8	68.8	65.1	64.7	63.8
42.5°	97.2	90.2	79.5	71.3	73.7	77.4	65.5	58.9	55.2	54.4	53.1
45°	91.0	83.6	71.7	62.2	57.3	65.1	56.0	47.8	45.7	44.1	43.3
47.5°	85.3	78.3	64.7	54.0	45.7	47.0	44.9	39.1	36.7	35.0	34.6
50°	80.3	72.9	58.5	46.1	37.9	34.6	36.2	30.9	28.8	27.2	26.4
52.5°	74.6	67.6	51.9	40.0	31.7	27.2	27.6	24.3	22.2	21.0	20.6
55°	70.0	63.0	46.5	35.0	28.0	22.2	19.8	18.9	17.7	16.9	16.5
57.5°	63.8	57.3	41.2	29.7	23.9	18.1	15.2	15.2	14.8	14.0	13.6
59°	60.1	54.4	37.9	26.8	21.8	15.7	13.6	14.0	13.6	12.8	12.4
60°	57.3	51.9	35.4	24.7	20.6	14.4	12.4	13.2	12.8	11.9	11.5
62.5°	50.7	47.0	30.5	20.6	18.1	11.5	10.3	11.1	11.1	10.7	10.3
65°	44.5	40.4	26.0	17.3	16.9	9.9	8.2	9.9	10.3	9.5	8.7
67.5°	38.7	34.6	22.7	14.0	15.7	7.8	6.2	8.2	11.1	8.7	7.8
70°	33.0	28.8	17.7	11.1	16.5	5.4	4.9	7.4	13.2	9.5	7.4
72.5°	25.5	22.2	12.4	8.2	17.7	3.7	3.7	6.2	14.8	10.3	7.0
75°	17.7	14.4	7.4	4.9	14.4	2.5	2.5	5.8	14.0	9.5	6.6
77.5°	10.3	7.8	2.5	0.4	7.4	0.0	0.4	4.1	9.9	5.8	2.9
80°	3.7	1.6	0.0	0.0	4.5	0.0	0.0	0.0	0.8	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°	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4
2.5°	2403.6	2459.2	2509.0	2584.4	2673.8	2776.8	2865.3	2960.5	3049.9	3086.9	3112.5
5°	1841.7	1910.5	1990.8	2101.6	2249.1	2430.8	2600.9	2793.2	3000.0	3103.4	3200.6
7.5°	1302.1	1372.1	1471.8	1589.6	1768.0	1984.2	2206.7	2472.4	2752.5	2916.0	3077.1
10°	936.3	1022.4	1115.5	1276.5	1457.8	1662.9	1892.0	2188.5	2500.8	2682.0	2876.0
12.5°	637.2	735.3	876.2	1056.6	1269.5	1470.6	1669.5	1952.5	2315.0	2494.6	2702.6
15°	382.3	436.6	585.8	794.6	1055.8	1306.2	1524.1	1807.9	2194.3	2414.3	2630.5
17.5°	235.6	260.7	341.9	513.3	787.6	1104.4	1403.0	1758.9	2211.6	2479.4	2710.9
20°	187.8	197.7	223.7	303.2	521.9	881.9	1266.7	1749.0	2352.9	2682.4	2930.8
22.5°	163.1	172.6	189.9	220.4	328.3	660.3	1137.3	1758.1	2555.6	2986.9	3276.8
25°	143.8	152.0	168.5	193.6	240.6	465.1	998.9	1798.5	2819.6	3364.6	3672.7
27.5°	128.5	135.5	150.8	173.8	206.4	324.6	842.0	1847.5	3132.7	3751.0	4055.0
30°	114.5	120.7	134.3	155.7	179.2	249.6	669.8	1880.8	3446.1	4055.0	4328.1
32.5°	102.6	107.1	119.5	137.6	155.7	199.0	509.1	1875.5	3678.9	4307.9	4524.6
35°	90.2	94.7	105.5	121.1	135.5	164.4	400.4	1775.4	3881.5	4570.3	4749.5
37.5°	76.6	82.4	92.7	106.7	116.6	144.6	323.8	1654.7	4087.1	4870.2	5000.3
40°	65.1	70.9	79.9	95.2	101.3	137.2	248.8	1507.6	4318.2	5205.5	5275.5
42.5°	54.0	59.3	68.8	82.0	95.6	118.2	184.1	1339.6	4540.2	5492.2	5526.4
45°	43.7	49.0	58.9	72.1	102.2	98.0	142.5	1159.6	4719.4	5730.7	5741.8
47.5°	34.6	39.5	49.8	68.0	95.2	78.3	101.7	1018.3	4869.7	5916.9	5887.6
50°	26.8	30.9	41.6	77.9	83.2	64.7	77.0	971.3	5004.4	6032.2	5956.4
52.5°	21.0	24.7	34.2	72.9	64.7	53.5	64.7	1015.4	5189.0	6127.8	5995.1
55°	16.9	20.6	26.8	41.6	44.1	45.3	55.2	1056.6	5507.4	6351.8	6223.7
57.5°	14.0	17.7	21.8	29.2	33.4	38.3	49.0	1061.1	5882.7	6724.2	6603.1
59°	12.8	16.1	19.8	26.0	29.2	35.0	46.1	1036.4	6014.9	6859.7	6799.2
60°	11.9	15.2	18.5	23.9	27.2	33.0	44.5	1012.9	6020.7	6854.8	6882.8
62.5°	10.3	13.6	16.5	20.2	23.1	28.0	40.0	926.0	5776.8	6630.3	6832.6
65°	9.1	11.9	14.8	17.3	19.8	25.1	36.2	767.4	5360.3	6268.2	6488.6
67.5°	8.2	10.3	13.6	15.2	17.7	22.2	32.1	547.0	4840.1	5825.4	5968.3
70°	7.4	9.9	12.4	14.0	16.1	19.4	27.6	314.3	4087.1	5177.0	5278.8
72.5°	7.0	9.5	11.1	13.2	14.4	17.3	25.1	147.9	2992.6	4147.2	4412.9
75°	6.2	8.7	10.3	12.4	13.6	15.7	21.4	70.9	1990.4	3001.3	3303.2
77.5°	3.7	7.0	9.5	11.1	11.9	13.6	17.7	40.8	1270.4	2077.3	2446.8
80°	0.0	2.5	7.0	9.5	10.3	11.5	13.6	32.1	679.7	1186.7	1424.4
82.5°	0.0	0.0	4.9	7.4	7.0	7.8	10.3	20.2	306.5	775.7	874.1
85°	0.0	0.0	1.6	5.8	4.9	3.7	7.0	7.0	67.1	392.6	489.8
87.5°	0.0	0.0	0.0	0.4	2.5	1.6	2.9	0.8	0.4	29.2	118.6
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°	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4	2832.4
2.5°	3201.9	3232.4	3283.8	3308.2	3296.2	3245.5	3185.0	3123.2	3086.9	3101.4
5°	3398.8	3555.7	3646.3	3676.4	3626.2	3512.5	3363.8	3167.7	3098.1	3079.1
7.5°	3398.8	3694.1	3881.1	3914.1	3802.0	3579.2	3300.3	2994.3	2892.5	2855.4
10°	3279.3	3681.4	3942.1	3994.4	3837.9	3504.6	3131.0	2781.7	2661.0	2622.7
12.5°	3144.6	3577.5	3852.3	3924.4	3795.9	3430.5	3013.6	2638.0	2495.8	2462.5
15°	3061.8	3449.9	3677.2	3729.5	3675.2	3387.2	2985.6	2594.7	2427.5	2395.3
17.5°	3091.5	3351.0	3433.0	3463.4	3500.1	3372.0	3061.8	2689.4	2477.7	2447.2
20°	3203.1	3246.8	3204.3	3242.7	3341.5	3386.8	3243.5	2918.5	2664.3	2623.5
22.5°	3392.6	3192.8	3073.8	3089.0	3209.3	3435.8	3521.1	3245.5	2952.2	2901.2
25°	3613.4	3236.5	3001.3	2987.7	3111.3	3500.5	3774.9	3601.4	3292.9	3236.5
27.5°	3891.0	3334.5	2986.4	2972.8	3077.1	3561.1	3985.8	3953.2	3651.7	3555.3
30°	4105.2	3430.9	3030.5	2999.2	3111.3	3603.1	4155.1	4251.9	3937.6	3873.7
32.5°	4258.9	3544.6	3102.2	3056.9	3207.6	3675.6	4285.6	4525.4	4202.0	4105.2
35°	4375.9	3668.2	3217.9	3143.4	3340.3	3785.6	4408.0	4816.6	4483.4	4377.5
37.5°	4485.4	3841.6	3398.8	3309.8	3548.3	3962.7	4537.3	5147.0	4798.1	4671.6
40°	4638.2	4038.1	3677.6	3598.6	3898.0	4204.1	4698.8	5491.3	5156.0	4997.0
42.5°	4791.1	4249.0	3963.1	3984.5	4334.3	4497.4	4907.2	5855.5	5509.5	5339.8
45°	4930.7	4466.5	4369.7	4468.5	4739.2	4819.1	5114.4	6066.0	5791.6	5627.7
47.5°	5055.1	4738.3	4773.8	5037.0	5199.7	5110.3	5269.3	6247.6	6001.7	5857.1
50°	5199.7	5090.1	5306.4	5678.8	5729.8	5373.9	5410.2	6462.7	6247.2	6131.1
52.5°	5357.9	5460.9	5896.3	6224.6	6208.1	5660.2	5551.9	6703.6	6583.8	6474.6
55°	5537.5	5760.3	6415.7	6735.3	6721.3	5979.9	5786.7	7001.4	7005.6	6906.7
57.5°	5804.0	6018.2	6768.3	7148.5	7172.0	6349.0	6184.6	7335.1	7387.0	7321.1
59°	5995.1	6185.4	6907.9	7321.1	7416.7	6634.4	6475.4	7528.7	7494.5	7434.4
60°	6136.8	6291.7	6977.1	7411.3	7558.8	6828.0	6690.0	7642.4	7507.3	7434.4
62.5°	6487.4	6523.2	7102.0	7513.5	7722.3	7258.1	7293.9	7836.0	7418.7	7299.7
65°	6650.9	6669.4	7100.3	7330.6	7564.1	7593.0	7841.8	7841.8	7202.5	7019.6
67.5°	6582.5	6493.1	6748.1	6724.2	6957.4	7394.0	8047.7	7554.2	6788.9	6552.5
70°	6026.4	5682.5	5569.2	5579.5	5757.9	6431.3	7639.9	6708.2	6006.2	5729.8
72.5°	5014.3	4189.3	3909.6	4228.8	4275.3	4942.7	6510.8	5051.8	4429.4	4170.3
75°	4033.1	2953.1	2498.3	2835.3	2914.4	3617.1	5036.6	3146.3	2587.3	2385.4
77.5°	2897.5	2119.8	1792.7	1769.2	1871.4	2294.0	3573.8	1583.4	1320.6	1232.5
80°	1646.0	1395.2	1502.3	1417.4	1468.9	1434.3	1697.9	694.5	568.9	531.8
82.5°	993.6	824.7	893.0	743.5	940.8	819.3	654.1	222.4	193.2	183.7
85°	646.3	450.6	234.8	157.4	324.2	523.6	146.2	60.6	46.5	37.1
87.5°	222.9	114.9	11.5	4.9	34.6	97.6	5.4	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)