

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: P386810

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-730-U-SLL-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT 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 III - Medium
BUG Rating: B1 - U0 - G2

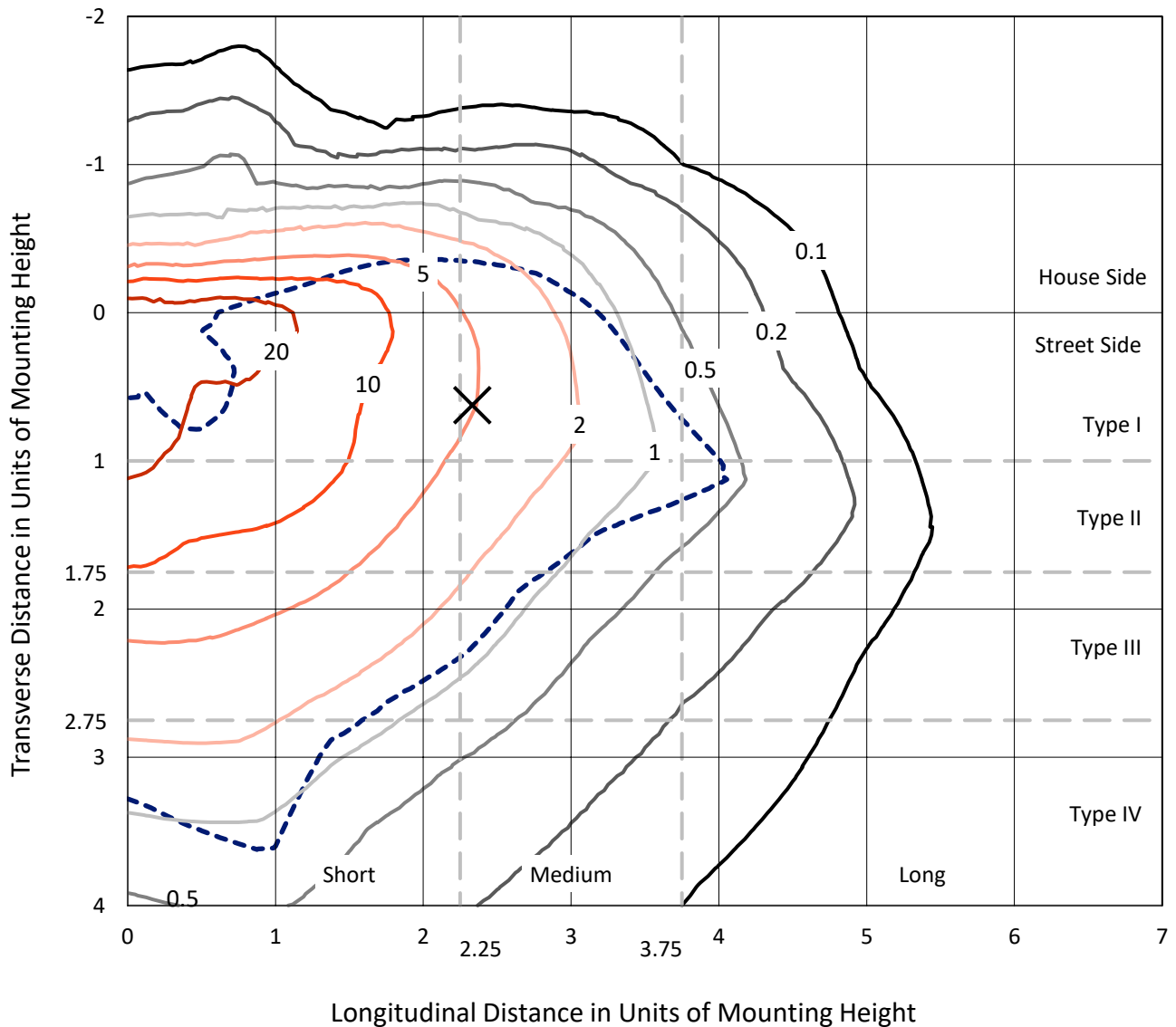
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

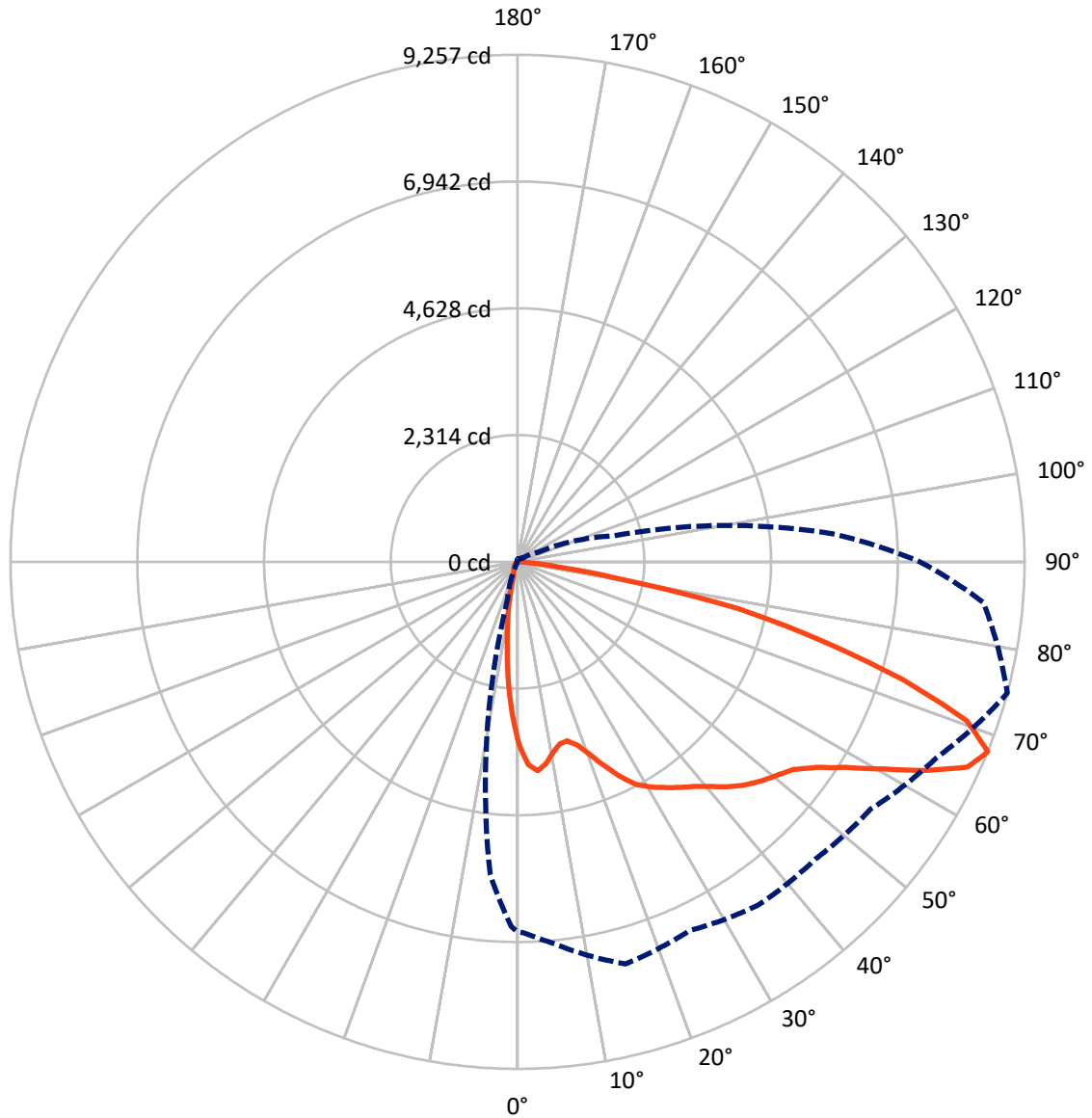
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 43.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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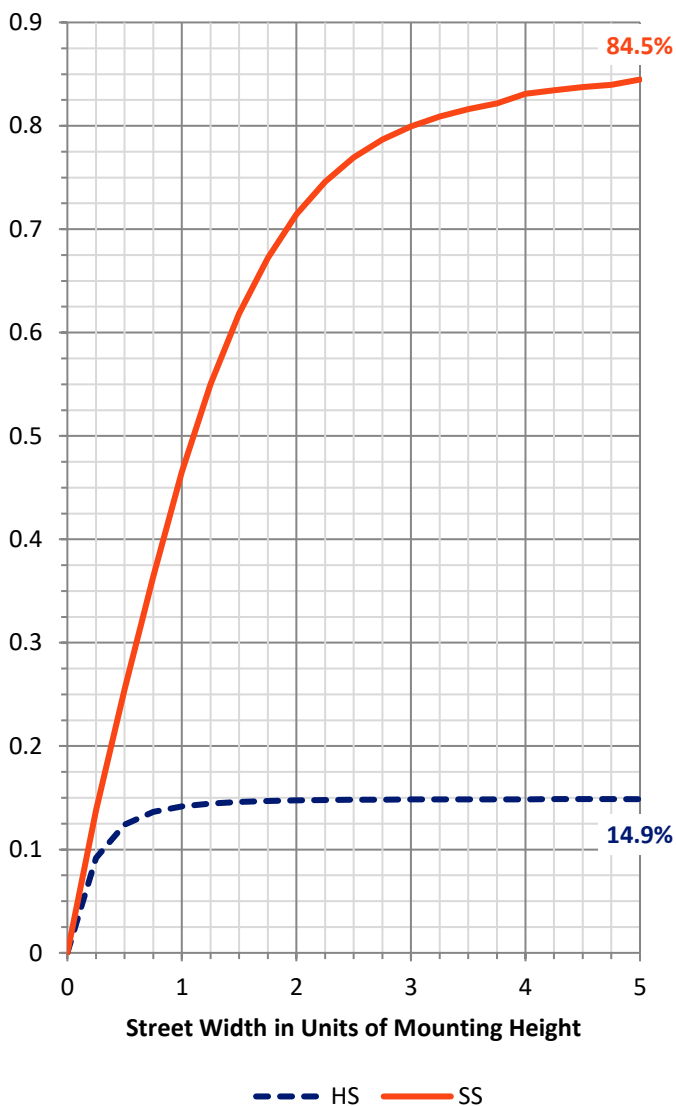
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1495.5	0.0	1495.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	8470.5	0.0	8470.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	9966.0	0.0	9966.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.6	2.5
10°-20°	499.4	5.0
20°-30°	706.5	7.1
30°-40°	1038.7	10.4
40°-50°	1493.0	15.0
50°-60°	2101.7	21.1
60°-70°	2454.6	24.6
70°-80°	1252.3	12.6
80°-90°	166.4	1.7
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

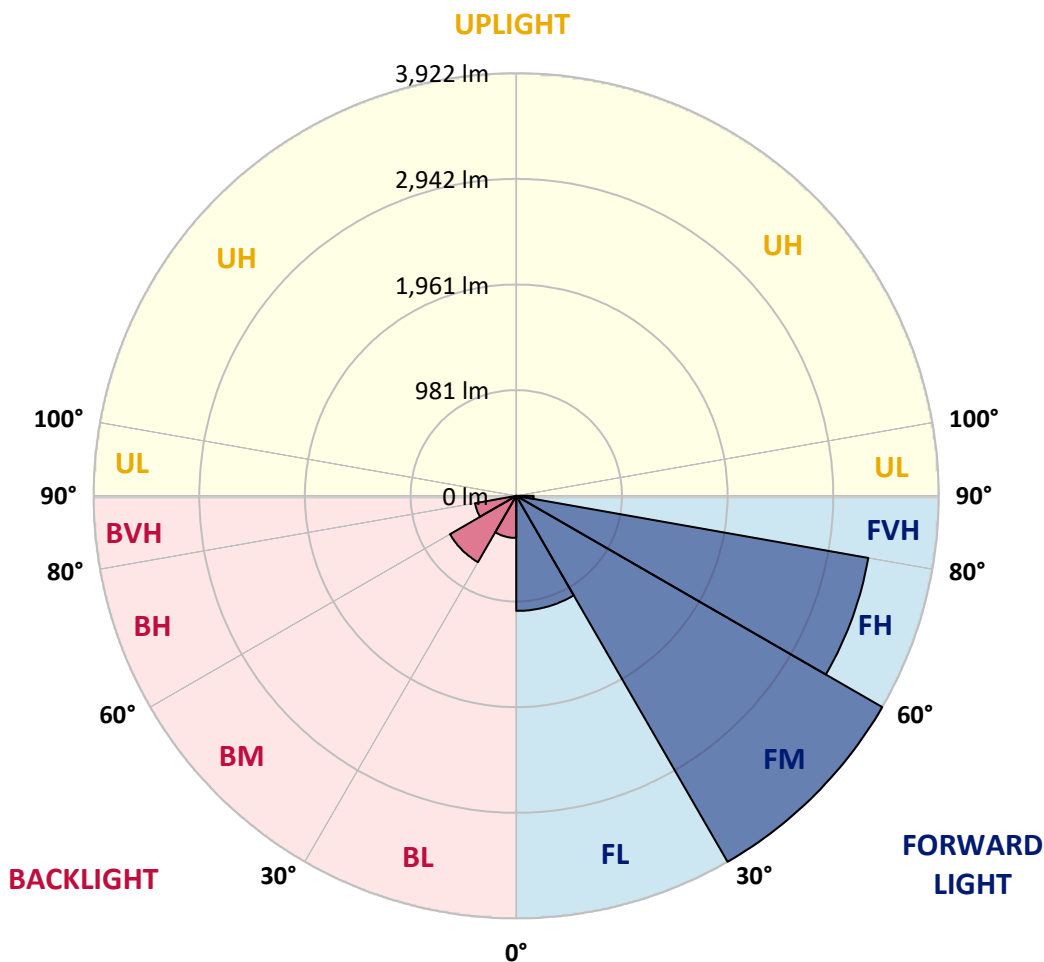


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1068.4	10.7			
FM (30°-60°)	3922.4	39.4			
FH (60°-80°)	3318.4	33.3			G2/5000
FVH (80°-90°)	161.3	1.6			G2/225
BL (0°-30°)	391.1	3.9	B1/500		
BM (30°-60°)	710.9	7.1	B1/1000		
BH (60°-80°)	388.4	3.9	B1/500		G1/500
BVH (80°-90°)	5.0	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4
2.5°	3624.3	3630.0	3659.3	3727.2	3801.4	3807.0	3857.1	3805.6	3788.1	3705.1	3619.1
5°	3651.7	3673.4	3774.0	3973.7	4146.9	4202.6	4242.3	4141.3	4035.1	3832.0	3615.4
7.5°	3431.2	3467.6	3625.7	4000.6	4310.3	4447.2	4473.2	4315.0	4054.9	3720.6	3394.9
10°	3148.9	3190.5	3381.2	3842.0	4267.3	4502.0	4537.8	4330.6	3956.7	3540.3	3156.5
12.5°	2920.4	2969.0	3164.0	3663.5	4119.6	4379.2	4450.0	4278.2	3871.7	3412.3	2993.6
15°	2815.1	2870.8	3075.7	3548.3	3955.7	4160.2	4218.7	4144.6	3824.5	3392.0	2955.8
17.5°	2875.6	2936.0	3147.5	3558.2	3801.8	3889.2	3936.4	3966.6	3824.5	3514.3	3066.3
20°	3123.4	3188.6	3412.3	3658.8	3674.4	3641.8	3692.3	3798.5	3868.9	3746.6	3331.6
22.5°	3466.2	3542.6	3795.2	3831.1	3612.0	3488.8	3495.4	3662.1	3949.6	4041.2	3699.9
25°	3884.0	3977.5	4234.3	4087.9	3638.0	3397.7	3395.4	3549.7	4028.4	4336.3	4110.1
27.5°	4299.0	4401.9	4627.5	4401.4	3745.2	3381.2	3376.5	3515.7	4105.4	4598.7	4558.1
30°	4646.9	4747.0	4941.5	4628.5	3860.8	3419.9	3397.2	3552.1	4151.2	4769.2	4884.8
32.5°	4930.2	5010.4	5167.6	4784.7	3984.5	3495.0	3445.9	3649.3	4229.1	4913.2	5185.1
35°	5241.7	5326.2	5389.0	4933.5	4123.3	3603.1	3532.7	3803.7	4349.0	5059.5	5514.1
37.5°	5597.2	5681.3	5673.7	5069.4	4299.4	3782.0	3737.2	4048.3	4535.5	5204.4	5881.4
40°	5945.2	6031.1	5969.7	5218.1	4506.2	4077.1	4044.0	4415.6	4785.2	5390.0	6312.0
42.5°	6270.9	6363.9	6232.7	5358.8	4752.6	4449.1	4505.7	4888.6	5097.8	5618.5	6683.1
45°	6533.4	6628.3	6453.2	5495.7	5012.3	4900.4	5070.8	5412.6	5473.5	5811.6	6933.8
47.5°	6724.1	6813.8	6606.1	5632.6	5344.7	5452.3	5749.3	5962.2	5813.0	5979.2	7111.7
50°	6845.9	6915.8	6651.0	5804.0	5780.9	6096.2	6456.0	6559.8	6132.6	6130.2	7328.0
52.5°	6923.4	6955.0	6684.0	5982.9	6236.0	6797.3	7148.1	7180.7	6461.7	6296.4	7619.2
55°	7190.1	7215.6	6918.2	6199.6	6612.3	7411.5	7774.1	7743.9	6834.1	6621.7	7962.9
57.5°	7645.2	7672.1	7402.1	6511.2	6916.8	7791.1	8227.8	8282.1	7270.8	7078.7	8331.2
60°	7873.7	7923.8	7827.4	6905.9	7211.8	8033.8	8537.0	8710.3	7816.6	7681.1	8688.1
62.5°	7666.5	7739.2	7878.9	7343.5	7505.0	8167.4	8633.3	8863.7	8375.6	8383.1	8908.1
65°	7252.9	7311.0	7548.0	7583.4	7675.0	8150.8	8395.4	8649.4	8717.8	9028.0	8896.3
67.5°	6753.4	6775.1	6976.2	7602.2	7428.5	7654.2	7680.6	7868.5	8447.3	9256.5	8538.9
70°	6034.4	6046.2	6221.8	6970.1	6383.8	6433.3	6394.1	6432.4	7262.3	8699.9	7636.7
72.5°	4856.5	4886.3	5136.0	5788.4	4650.7	4507.6	4815.4	4798.4	5593.0	7350.1	5671.8
75°	3575.7	3627.2	4004.4	4662.5	3264.1	2952.5	3177.2	3237.2	3976.0	5685.5	3546.9
77.5°	2503.6	2541.8	2907.2	3427.5	2362.4	2111.2	2030.0	2101.3	2624.4	4112.9	1786.9
80°	1442.3	1456.4	1689.7	1979.0	1591.9	1821.4	1650.0	1699.1	1572.6	1829.9	768.6
82.5°	943.7	946.1	1037.2	1177.9	991.4	1151.9	852.6	1090.1	967.3	735.1	250.2
85°	509.9	512.7	601.5	836.1	561.3	317.3	186.5	382.9	598.2	168.5	68.5
87.5°	56.2	51.5	181.3	304.0	155.8	28.8	9.9	43.0	95.8	10.9	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°	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4
2.5°	3575.2	3536.0	3438.3	3334.9	3251.8	3173.9	3095.6	2999.7	2925.6	2910.5	2886.0
5°	3498.7	3374.6	3169.7	2963.9	2798.1	2589.0	2456.3	2353.0	2251.9	2245.8	2225.5
7.5°	3231.5	3068.2	2779.7	2495.1	2261.8	2062.6	1861.5	1726.9	1621.2	1583.9	1561.7
10°	2974.7	2791.1	2430.9	2106.0	1897.8	1721.8	1580.1	1439.4	1312.0	1224.2	1184.5
12.5°	2795.3	2592.3	2195.3	1915.3	1766.1	1599.0	1426.2	1250.6	1103.8	998.0	933.3
15°	2725.9	2509.2	2116.4	1839.8	1655.7	1444.2	1223.2	1022.6	859.7	763.9	705.8
17.5°	2808.5	2556.4	2110.3	1747.7	1490.4	1227.5	983.4	746.4	593.0	520.3	483.0
20°	3018.1	2706.6	2107.9	1634.9	1294.0	970.6	666.1	491.0	398.0	357.4	339.9
22.5°	3314.6	2898.2	2126.8	1523.5	1089.6	693.5	459.8	360.7	313.0	291.3	281.4
25°	3696.1	3167.3	2180.2	1422.4	897.5	517.4	358.3	302.1	268.6	251.6	244.5
27.5°	4102.6	3477.0	2263.3	1334.6	741.2	412.6	306.9	258.7	234.6	222.8	216.2
30°	4437.8	3835.8	2347.3	1236.9	627.9	359.7	280.9	236.1	208.2	200.6	194.5
32.5°	4730.9	4107.3	2406.8	1148.6	553.8	319.6	254.0	211.0	192.1	177.5	170.9
35°	5034.5	4333.4	2404.9	1086.8	502.8	289.4	231.3	188.8	166.2	149.2	144.0
37.5°	5363.1	4588.8	2363.8	1033.9	480.6	265.3	218.6	177.0	154.4	137.4	130.8
40°	5747.8	4857.0	2321.8	984.3	474.5	246.0	209.6	167.6	143.5	127.0	120.4
42.5°	6122.7	5098.7	2285.0	947.5	448.0	245.5	201.6	160.5	135.0	119.0	111.4
45°	6422.5	5323.9	2277.9	925.3	420.2	254.0	197.3	155.8	128.4	112.4	105.3
47.5°	6671.7	5568.4	2323.2	909.7	393.7	231.8	207.7	152.5	122.3	106.7	98.7
50°	6968.2	5868.7	2429.9	884.2	365.9	208.7	237.9	153.4	117.1	101.0	92.5
52.5°	7381.8	6284.1	2586.6	841.3	327.6	187.4	234.2	154.4	111.4	94.9	86.4
55°	7845.4	6803.0	2755.2	770.0	274.3	159.6	200.6	147.8	100.6	88.3	80.3
57.5°	8332.6	7273.7	2855.3	685.0	218.1	137.9	160.5	134.5	88.8	79.3	74.1
60°	8409.1	7452.6	2809.5	580.7	173.3	119.9	119.0	136.9	79.3	69.9	66.1
62.5°	8218.8	7227.9	2588.1	487.7	144.9	105.3	97.7	119.4	71.8	62.3	58.5
65°	7852.9	6620.3	2229.3	439.5	134.5	90.2	81.2	84.0	62.8	54.3	51.0
67.5°	7344.0	5809.2	1830.3	412.1	133.1	77.4	69.4	63.7	54.3	47.2	44.4
70°	6303.5	4839.5	1460.2	397.0	129.4	65.2	58.5	51.9	45.3	40.1	37.8
72.5°	4639.3	3429.3	1135.9	380.5	130.3	51.9	51.0	43.0	36.4	31.2	30.2
75°	2680.6	1959.2	745.0	308.3	124.2	40.1	42.5	30.2	25.5	21.7	21.7
77.5°	1428.6	1194.9	283.7	128.4	45.3	25.5	24.1	17.9	16.1	13.2	12.7
80°	622.7	525.9	85.5	35.9	25.0	13.7	9.0	8.0	7.1	5.7	5.2
82.5°	220.5	190.3	27.9	17.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	50.0	35.9	0.0	4.2	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°	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4
2.5°	2835.9	2825.5	2764.2	2766.5	2777.4	2793.0	2756.1	2773.1	2818.9	2862.8	2879.3
5°	2192.9	2195.3	2158.0	2181.1	2201.9	2216.0	2156.6	2157.5	2193.9	2243.4	2269.4
7.5°	1545.2	1541.4	1543.3	1598.5	1637.7	1609.4	1631.6	1554.6	1559.4	1594.8	1568.3
10°	1148.6	1096.7	1067.4	1109.0	1151.9	1136.3	1098.1	1073.1	1090.6	1129.7	1126.9
12.5°	902.7	828.1	784.2	754.4	789.8	760.6	759.6	737.9	714.3	718.5	781.3
15°	678.9	624.6	572.7	525.0	524.0	514.1	463.6	407.0	402.2	405.1	437.6
17.5°	466.9	448.5	427.3	386.2	375.3	333.8	284.7	262.0	250.7	255.9	266.7
20°	328.1	321.0	323.4	301.2	285.6	246.0	217.2	208.2	206.3	211.5	216.7
22.5°	271.9	259.2	257.8	247.9	232.3	203.5	187.9	182.7	180.3	185.1	188.8
25°	237.9	225.2	220.0	213.9	197.3	177.5	168.1	163.3	161.0	163.8	166.2
27.5°	209.6	197.8	193.1	188.8	172.8	158.6	151.1	146.8	144.9	145.9	148.2
30°	188.4	178.0	171.8	166.7	153.0	143.0	136.4	132.2	130.3	130.3	132.7
32.5°	166.2	160.5	154.8	148.2	135.5	128.9	122.3	117.6	115.7	116.1	118.0
35°	138.3	136.4	137.9	131.7	120.9	115.2	108.6	103.4	102.0	102.4	104.3
37.5°	122.7	114.2	119.4	116.1	110.0	102.4	93.9	89.2	86.9	88.3	89.2
40°	112.8	102.4	98.7	102.0	101.0	88.8	81.2	76.5	74.6	75.1	76.0
42.5°	104.3	92.1	83.6	83.1	88.8	77.4	69.4	65.2	62.8	62.8	63.7
45°	96.3	83.1	72.7	64.7	74.6	65.6	58.1	54.3	51.5	51.5	51.9
47.5°	90.2	75.5	63.3	52.9	56.2	53.8	47.7	43.9	41.1	41.1	41.5
50°	84.5	68.0	54.8	44.4	42.0	44.4	38.7	34.5	32.6	32.1	33.0
52.5°	78.4	60.4	46.7	37.8	33.0	33.5	30.2	27.4	25.0	25.0	26.0
55°	72.2	54.3	40.6	32.1	27.4	25.0	24.1	22.2	20.3	20.3	21.2
57.5°	66.1	47.7	34.5	26.4	21.7	19.8	19.8	18.4	17.0	17.0	17.9
60°	60.4	41.1	28.3	21.7	17.0	16.5	17.0	15.6	14.6	14.6	15.6
62.5°	53.8	34.9	23.1	17.9	13.7	13.2	14.6	13.7	12.7	12.7	13.7
65°	45.8	29.7	18.4	13.7	10.4	10.4	12.3	11.3	10.4	10.4	11.3
67.5°	38.7	25.0	14.2	9.9	7.6	8.0	10.4	9.4	9.0	9.0	9.9
70°	32.1	19.4	9.9	6.1	4.2	6.1	8.0	8.0	8.0	8.0	9.0
72.5°	24.1	13.2	5.7	2.4	1.9	4.2	6.6	7.6	7.1	7.1	8.5
75°	15.6	7.6	1.9	0.0	0.0	2.4	5.2	6.1	6.1	5.7	7.1
77.5°	9.0	2.4	0.0	0.0	0.0	0.0	3.3	2.8	2.4	1.9	3.3
80°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4	3343.4
2.5°	2945.9	3001.6	3080.0	3163.1	3291.0	3392.5	3492.1	3577.6	3610.6	3624.3
5°	2331.7	2413.4	2528.1	2675.4	2906.3	3114.0	3324.5	3536.5	3628.6	3651.7
7.5°	1673.1	1777.5	1923.3	2107.9	2378.4	2647.5	2941.7	3252.8	3395.4	3431.2
10°	1238.3	1365.8	1532.9	1727.4	1985.7	2262.3	2582.9	2938.4	3101.2	3148.9
12.5°	878.6	1050.9	1274.7	1511.2	1735.0	1981.9	2306.2	2698.1	2869.0	2920.4
15°	516.0	682.7	947.5	1264.3	1550.9	1801.1	2130.6	2574.8	2763.2	2815.1
17.5°	296.0	379.1	579.3	932.4	1321.4	1667.9	2075.4	2605.5	2827.4	2875.6
20°	226.1	252.6	333.8	600.5	1053.3	1537.2	2075.4	2779.3	3052.6	3123.4
22.5°	197.8	217.2	250.2	358.3	775.2	1396.9	2099.4	3030.4	3387.8	3466.2
25°	175.6	193.1	221.4	269.6	528.8	1230.3	2156.6	3338.7	3782.5	3884.0
27.5°	157.2	173.7	199.2	236.1	361.6	1029.2	2233.5	3700.3	4217.8	4299.0
30°	140.7	156.3	179.4	205.4	279.0	801.2	2299.1	4041.2	4559.6	4646.9
32.5°	125.1	139.3	160.0	179.4	228.5	592.5	2306.2	4311.2	4843.3	4930.2
35°	110.5	123.2	142.1	157.2	189.3	467.9	2196.2	4545.4	5127.0	5241.7
37.5°	96.3	108.6	125.1	136.4	166.7	381.5	2028.1	4806.5	5491.0	5597.2
40°	83.1	93.9	110.9	118.5	157.7	293.2	1845.4	5080.3	5847.9	5945.2
42.5°	70.8	81.2	97.7	112.4	138.3	219.1	1648.1	5337.1	6168.9	6270.9
45°	59.0	69.9	86.4	119.0	114.7	163.8	1437.1	5507.5	6422.5	6533.4
47.5°	47.7	60.0	82.6	113.3	91.6	120.4	1270.0	5669.0	6614.6	6724.1
50°	38.2	50.5	93.0	101.0	75.1	92.1	1200.1	5813.5	6740.7	6845.9
52.5°	31.2	42.5	87.8	77.4	62.8	76.0	1237.9	6047.6	6857.3	6923.4
55°	26.0	33.5	52.9	53.8	53.3	64.7	1284.6	6383.8	7158.9	7190.1
57.5°	22.7	26.9	36.8	41.5	44.8	57.6	1285.5	6866.2	7625.9	7645.2
60°	19.4	23.6	30.7	33.5	38.7	51.5	1238.8	7034.8	7809.5	7873.7
62.5°	17.0	20.8	25.5	27.9	32.6	46.3	1129.3	6790.7	7557.4	7666.5
65°	15.1	18.9	21.2	23.6	28.8	41.5	948.9	6302.6	7139.1	7252.9
67.5°	13.2	16.5	18.9	21.2	26.0	36.8	698.7	5735.6	6659.0	6753.4
70°	11.8	14.6	17.0	18.9	22.7	31.2	423.9	4866.9	5995.2	6034.4
72.5°	11.3	13.2	15.6	17.0	19.8	27.4	214.8	3576.6	4792.8	4856.5
75°	9.9	11.8	14.2	15.1	17.5	23.6	87.3	2349.2	3473.3	3575.7
77.5°	8.0	10.9	12.7	13.7	15.1	19.4	44.4	1501.3	2437.5	2503.6
80°	2.8	8.0	10.9	11.3	12.7	14.2	29.3	821.9	1413.9	1442.3
82.5°	0.0	5.2	8.5	8.0	9.0	10.9	18.9	390.9	933.3	943.7
85°	0.0	2.4	6.6	5.2	3.8	7.6	6.6	85.5	489.6	509.9
87.5°	0.0	0.0	0.5	2.4	1.9	2.8	0.9	0.5	44.4	56.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)