

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
(formerly Eaton)

Brand: STREETWORKS

Report Number: P722194

Luminaire Tested: **IFLD-S-SA2D-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722194
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

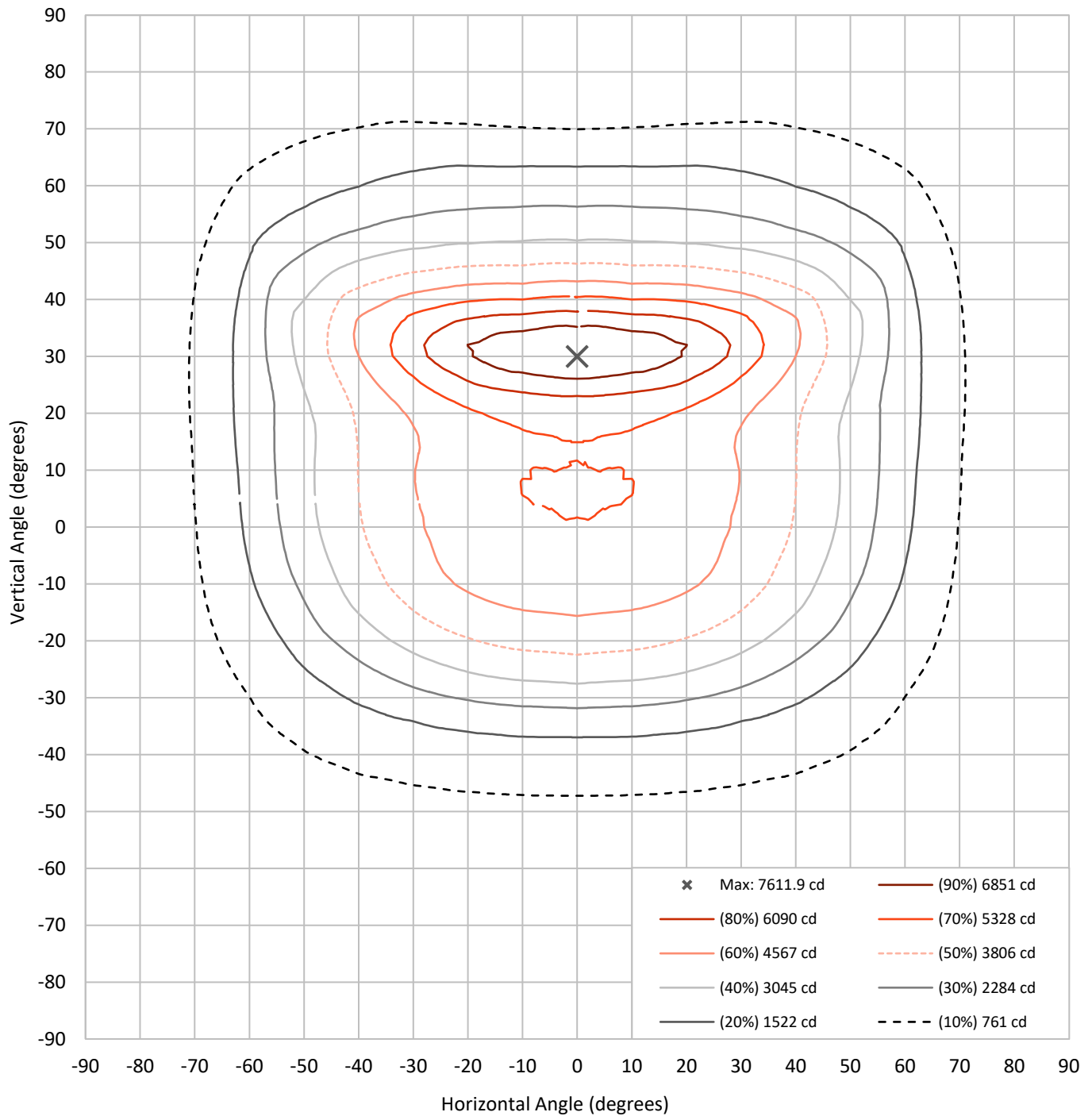
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	12706.2 lumens	Max Intensity:	7611.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	102.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	7388.8 lumens	Field Lumens:	11907.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 123.9
Input Voltage (V): 120
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



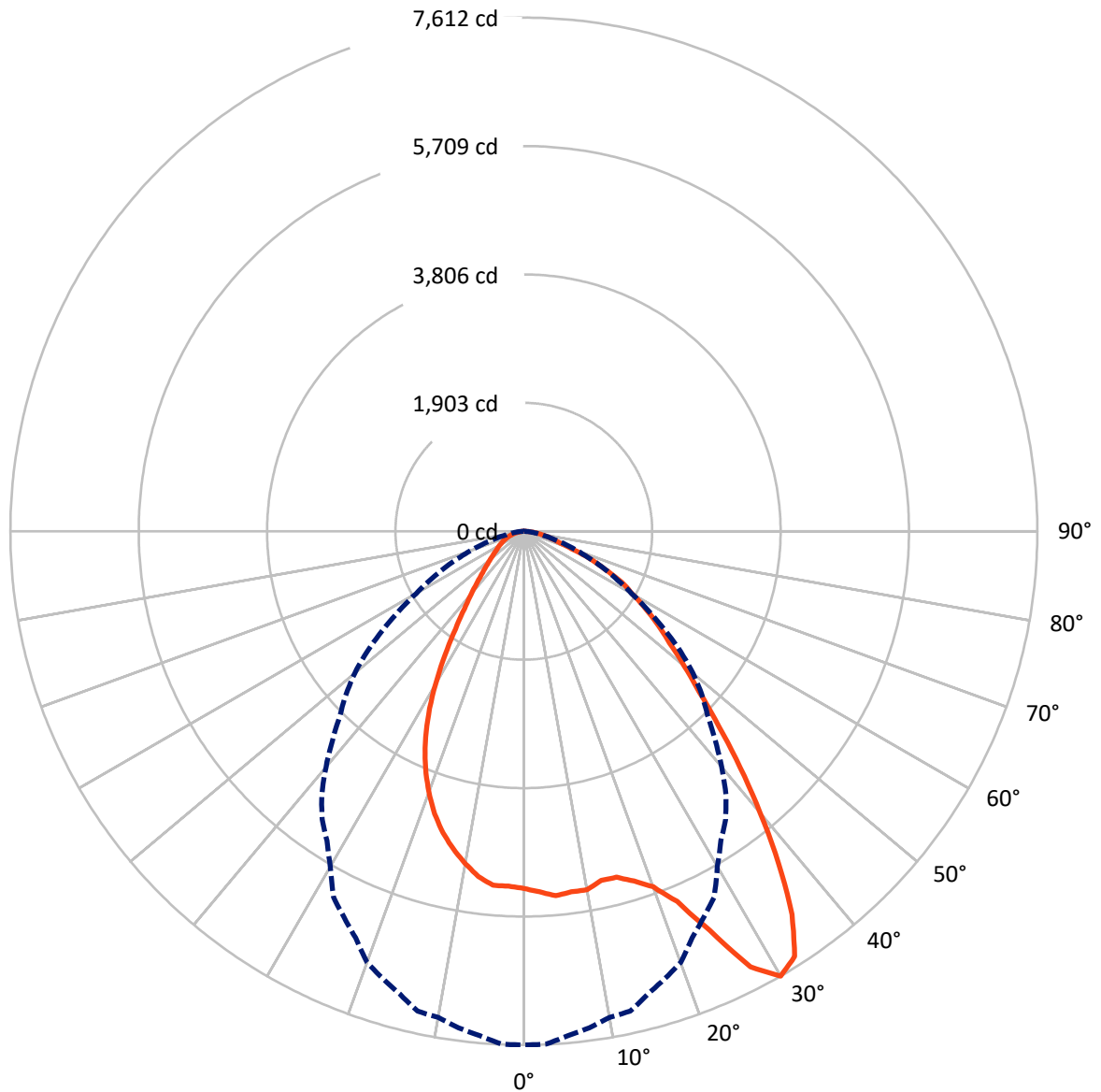
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Iso-Candela Plot



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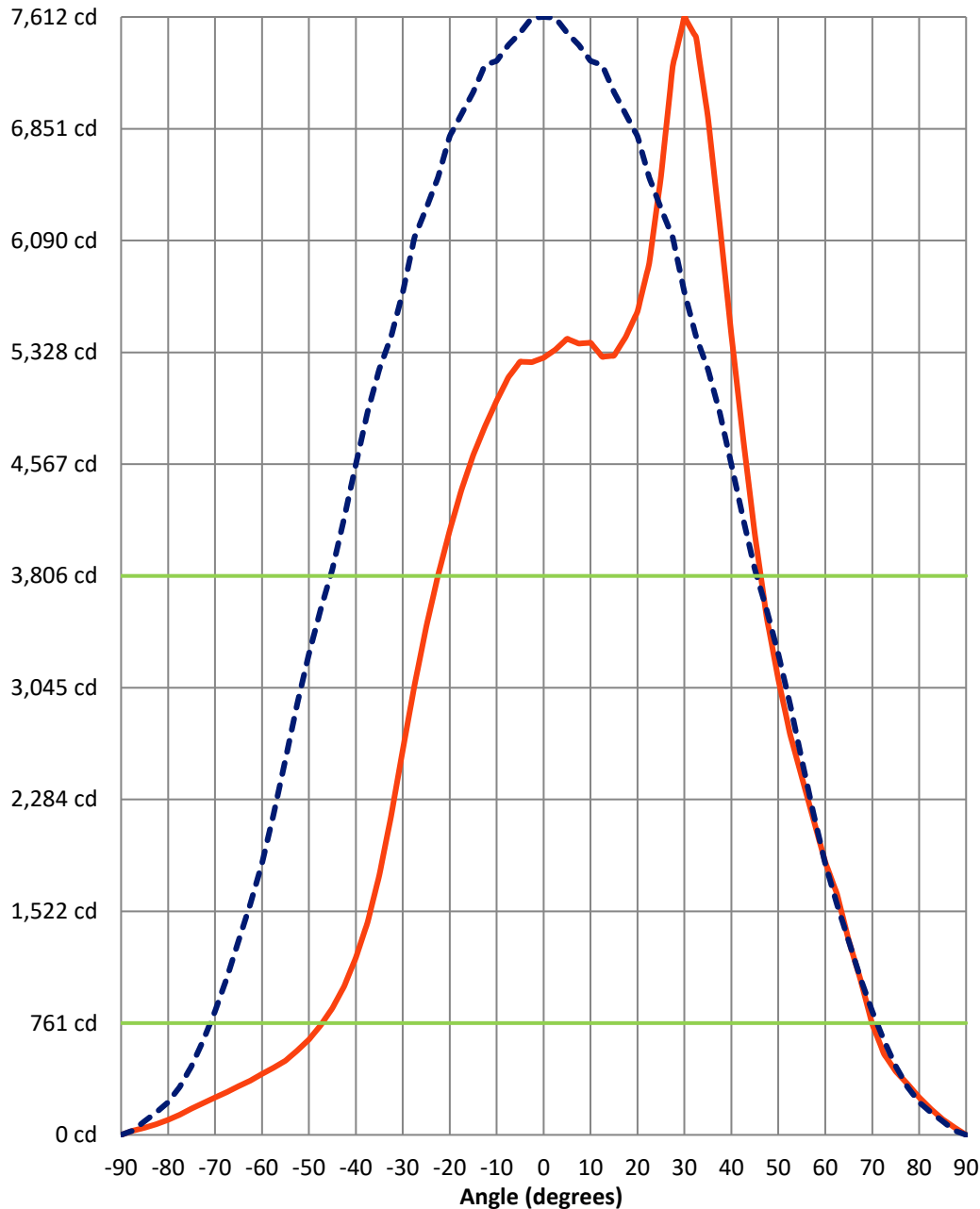
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 7388.8
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 11907.3
 Efficiency: 93.7%

Spill:
 Lumens: 798.8
 Efficiency: 6.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 30-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	51.1	52.5	53.8	53.8	52.5	52.5	52.5	51.1	52.5	52.5	52.5
85°	106.3	109.0	111.7	110.4	109.0	106.3	103.6	105.0	106.3	107.7	107.7
82.5°	176.3	180.4	183.1	181.7	179.0	176.3	173.6	175.0	177.7	179.0	179.0
80°	255.7	257.1	258.4	261.1	257.1	257.1	255.7	261.1	263.8	266.5	269.2
77.5°	347.3	348.6	348.6	350.0	351.3	352.7	352.7	362.1	368.8	372.9	376.9
75°	433.4	437.5	441.5	445.5	450.9	453.6	457.7	471.1	481.9	490.0	498.0
72.5°	551.9	557.3	564.0	573.4	582.8	589.6	599.0	615.1	627.3	635.3	644.8
70°	755.1	760.5	767.2	774.0	783.4	790.1	799.6	819.7	831.9	837.2	842.6
67.5°	1056.6	1070.1	1082.2	1068.8	1062.0	1052.6	1055.3	1074.1	1086.3	1094.3	1093.0
65°	1324.5	1333.9	1333.9	1332.6	1327.2	1315.1	1321.8	1344.7	1358.2	1364.9	1344.7
62.5°	1639.5	1639.5	1632.8	1643.5	1644.9	1636.8	1632.8	1634.1	1635.4	1639.5	1605.8
60°	1857.5	1871.0	1875.0	1884.5	1887.2	1887.2	1893.9	1899.3	1899.3	1891.2	1852.2
57.5°	2145.6	2171.2	2176.6	2169.8	2156.4	2138.9	2136.2	2128.1	2111.9	2095.8	2076.9
55°	2436.3	2449.8	2448.5	2444.4	2431.0	2410.8	2413.5	2402.7	2377.1	2356.9	2331.4
52.5°	2728.4	2760.7	2766.1	2758.0	2739.2	2717.7	2719.0	2706.9	2681.3	2659.8	2624.8
50°	3101.3	3128.2	3125.5	3112.1	3085.1	3069.0	3070.3	3047.4	3017.8	3011.1	2965.3
47.5°	3528.0	3558.9	3553.6	3534.7	3498.4	3491.6	3498.4	3468.8	3451.3	3436.5	3382.6
45°	4087.9	4124.3	4104.1	4067.8	4009.9	4016.6	4026.0	4020.6	3982.9	3943.9	3875.3
42.5°	4744.8	4767.7	4743.5	4707.1	4634.4	4647.9	4642.5	4610.2	4587.3	4522.7	4435.2
40°	5447.4	5497.3	5459.6	5403.0	5327.6	5347.8	5333.0	5291.3	5237.5	5156.7	5046.3
37.5°	6205.3	6244.3	6201.2	6135.3	6068.0	6061.2	6031.6	5967.0	5890.3	5801.5	5625.1
35°	6930.8	7031.7	6952.3	6847.3	6765.2	6734.3	6706.0	6556.6	6469.1	6325.1	6084.1
32.5°	7470.6	7544.6	7446.3	7337.3	7237.7	7194.6	7095.0	6917.3	6870.2	6567.4	6346.6
30°	7611.9	7606.5	7504.2	7420.8	7313.1	7283.5	7100.4	6949.6	6798.9	6518.9	6308.9
27.5°	7275.4	7241.7	7143.5	7070.8	6964.4	6929.4	6749.1	6668.3	6435.4	6198.5	6020.9
25°	6525.6	6543.1	6469.1	6432.8	6362.8	6287.4	6216.0	6107.0	5961.6	5754.3	5591.5
22.5°	5934.7	5957.6	5926.6	5883.6	5829.7	5788.0	5734.2	5649.4	5509.4	5381.5	5228.0
20°	5606.3	5599.6	5572.6	5540.3	5489.2	5459.6	5400.3	5329.0	5221.3	5110.9	4945.4
17.5°	5434.0	5392.3	5366.7	5354.6	5327.6	5290.0	5220.0	5147.3	5063.8	4938.6	4817.5
15°	5306.1	5312.8	5292.7	5283.2	5261.7	5209.2	5137.9	5078.6	4965.6	4902.3	4791.9
12.5°	5298.0	5291.3	5292.7	5288.6	5261.7	5194.4	5158.0	5082.7	5010.0	4926.5	4800.0
10°	5393.6	5322.3	5327.6	5346.5	5303.4	5249.6	5210.5	5128.4	5059.8	4953.4	4828.3
7.5°	5388.2	5351.9	5362.6	5331.7	5345.1	5279.2	5225.4	5143.2	5057.1	4944.0	4831.0
5°	5420.5	5365.3	5355.9	5358.6	5325.0	5275.2	5202.5	5124.4	5043.6	4917.1	4801.3
2.5°	5346.5	5354.6	5311.5	5295.3	5291.3	5207.9	5140.5	5065.2	4981.7	4870.0	4766.3
0°	5291.3	5306.1	5261.7	5238.8	5237.5	5166.1	5123.1	5036.9	4977.7	4884.8	4759.6
-2.5°	5261.7	5279.2	5284.6	5242.8	5202.5	5147.3	5074.6	4981.7	4884.8	4777.1	4669.4
-5°	5264.4	5229.4	5214.6	5228.0	5193.0	5137.9	5057.1	4975.0	4879.4	4763.7	4629.1
-7.5°	5158.0	5123.1	5120.4	5113.6	5105.6	5053.1	4985.8	4896.9	4800.0	4692.3	4567.1
-10°	4999.2	4973.6	4966.9	4960.2	4938.6	4907.7	4844.4	4763.7	4676.2	4568.5	4435.2
-12.5°	4822.9	4810.8	4785.2	4767.7	4746.2	4709.8	4649.2	4575.2	4487.7	4392.1	4277.7
-15°	4627.7	4604.8	4579.2	4564.4	4533.5	4490.4	4429.8	4361.2	4265.6	4171.4	4063.7
-17.5°	4392.1	4363.9	4335.6	4331.6	4310.0	4244.1	4187.5	4104.1	4020.6	3930.5	3825.5
-20°	4114.9	4075.8	4057.0	4046.2	4016.6	3968.1	3907.6	3830.8	3750.1	3663.9	3542.8



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	3808.0	3774.3	3742.0	3721.8	3696.2	3658.6	3600.7	3533.4	3454.0	3357.0	3245.3
-25°	3459.3	3412.2	3392.0	3369.2	3355.7	3320.7	3264.2	3202.2	3120.1	3025.9	2919.6
-27.5°	3060.9	3023.2	3012.5	2980.1	2964.0	2927.6	2880.5	2822.7	2747.3	2658.4	2570.9
-30°	2620.8	2597.9	2580.4	2548.1	2536.0	2496.9	2466.0	2417.5	2348.9	2285.6	2215.6
-32.5°	2168.5	2145.6	2140.2	2125.4	2117.3	2091.8	2056.8	2021.8	1966.6	1919.5	1862.9
-35°	1767.4	1751.2	1752.6	1751.2	1743.1	1724.3	1681.2	1671.8	1631.4	1588.3	1552.0
-37.5°	1447.0	1448.3	1447.0	1445.7	1434.9	1426.8	1395.8	1383.7	1359.5	1317.8	1296.2
-40°	1206.1	1208.7	1207.4	1204.7	1192.6	1188.6	1168.4	1152.2	1142.8	1113.2	1090.3
-42.5°	1010.9	1014.9	1013.6	1012.2	1004.2	1002.8	992.0	973.2	967.8	950.3	926.1
-45°	862.8	861.5	858.8	861.5	857.4	853.4	846.7	834.5	827.8	819.7	799.6
-47.5°	745.7	747.1	744.4	744.4	739.0	734.9	732.2	724.2	718.8	712.1	699.9
-50°	648.8	654.2	652.8	651.5	647.4	644.8	644.8	636.7	628.6	625.9	617.8
-52.5°	573.4	577.5	578.8	581.5	582.8	584.2	580.1	572.1	558.6	557.3	553.2
-55°	504.8	516.9	525.0	530.3	535.7	539.8	531.7	520.9	507.5	502.1	500.7
-57.5°	457.7	469.8	479.2	487.3	494.0	500.7	492.7	481.9	469.8	463.0	461.7
-60°	414.6	425.4	434.8	445.5	455.0	465.7	461.7	453.6	446.9	441.5	436.1
-62.5°	368.8	379.6	390.4	403.8	415.9	426.7	428.0	426.7	425.4	426.7	417.3
-65°	331.1	336.5	343.2	358.0	371.5	383.6	390.4	394.4	401.1	407.9	398.4
-67.5°	290.7	297.5	305.6	316.3	327.1	335.2	344.6	355.4	366.1	376.9	370.2
-70°	254.4	259.8	266.5	271.9	278.6	284.0	292.1	304.2	316.3	327.1	324.4
-72.5°	216.7	222.1	226.1	228.8	232.9	235.6	239.6	250.4	258.4	263.8	263.8
-75°	179.0	184.4	188.4	189.8	192.5	193.8	196.5	200.6	204.6	205.9	207.3
-77.5°	137.3	142.7	146.7	149.4	152.1	154.8	156.1	158.8	160.2	160.2	161.5
-80°	102.3	106.3	109.0	113.1	114.4	117.1	119.8	121.1	122.5	122.5	123.8
-82.5°	72.7	75.4	78.1	80.8	83.5	84.8	87.5	88.8	90.2	91.5	92.9
-85°	48.5	51.1	53.8	56.5	57.9	59.2	60.6	61.9	63.3	64.6	66.0
-87.5°	28.3	29.6	31.0	33.7	35.0	37.7	39.0	37.7	39.0	39.0	39.0
-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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	52.5	52.5	52.5	52.5	51.1	48.5	47.1	44.4	41.7	39.0	36.3
85°	109.0	110.4	110.4	110.4	107.7	106.3	102.3	98.3	92.9	84.8	78.1
82.5°	181.7	183.1	183.1	181.7	179.0	175.0	169.6	162.9	152.1	141.3	131.9
80°	273.2	274.6	274.6	273.2	266.5	259.8	253.1	245.0	231.5	216.7	200.6
77.5°	382.3	385.0	385.0	380.9	371.5	363.4	352.7	339.2	319.0	297.5	275.9
75°	508.8	515.5	516.9	512.8	500.7	485.9	468.4	445.5	414.6	387.7	362.1
72.5°	655.5	662.3	667.6	662.3	644.8	624.6	599.0	572.1	541.1	504.8	461.7
70°	848.0	854.7	858.8	841.3	810.3	776.7	745.7	714.8	678.4	634.0	586.9
67.5°	1090.3	1083.6	1075.5	1040.5	1001.5	961.1	918.0	872.2	825.1	778.0	722.8
65°	1323.2	1304.3	1286.8	1245.1	1195.3	1142.8	1093.0	1041.8	985.3	926.1	873.6
62.5°	1568.1	1527.8	1484.7	1433.5	1382.4	1324.5	1274.7	1214.1	1150.9	1078.2	1010.9
60°	1809.1	1760.6	1717.6	1654.3	1587.0	1508.9	1455.1	1395.8	1321.8	1243.7	1164.3
57.5°	2042.0	1989.5	1942.3	1887.2	1814.5	1729.7	1670.4	1593.7	1515.6	1417.4	1336.6
55°	2289.6	2237.1	2199.4	2137.5	2058.1	1980.0	1915.4	1834.7	1725.6	1620.6	1521.0
52.5°	2573.6	2531.9	2491.5	2428.3	2332.7	2253.3	2181.9	2091.8	1977.3	1848.1	1728.3
50°	2891.3	2869.8	2826.7	2752.7	2643.6	2573.6	2479.4	2359.6	2237.1	2101.2	1951.8
47.5°	3312.6	3277.6	3217.0	3136.3	3044.8	2939.8	2813.2	2673.2	2499.6	2348.9	2190.0
45°	3816.0	3751.4	3673.4	3564.3	3451.3	3332.8	3194.2	3016.5	2783.6	2587.1	2420.2
42.5°	4361.2	4273.7	4167.4	4024.7	3878.0	3732.6	3583.2	3340.9	3050.1	2824.0	2635.6
40°	4930.6	4818.8	4685.6	4478.3	4315.4	4128.3	3957.4	3595.3	3285.7	3040.7	2840.2
37.5°	5487.8	5346.5	5123.1	4871.3	4681.5	4528.1	4152.6	3764.9	3487.6	3218.4	3015.1
35°	5914.5	5794.7	5400.3	5139.2	4976.3	4734.0	4264.3	3867.2	3573.8	3350.3	3034.0
32.5°	6167.6	5858.0	5512.1	5248.2	5113.6	4716.5	4272.3	3896.8	3614.1	3363.8	2985.5
30°	6111.0	5736.8	5434.0	5213.2	4921.1	4564.4	4197.0	3851.0	3576.4	3273.6	2931.7
27.5°	5770.5	5481.1	5210.5	4980.4	4693.7	4373.3	4034.1	3729.9	3474.1	3180.7	2857.7
25°	5385.5	5123.1	4922.5	4721.9	4450.0	4144.5	3845.7	3626.2	3369.2	3079.8	2760.7
22.5°	5031.5	4843.1	4685.6	4475.6	4210.4	3943.9	3758.2	3530.7	3266.9	2973.4	2661.1
20°	4805.4	4677.5	4497.1	4265.6	4057.0	3890.1	3684.1	3443.2	3171.3	2864.4	2576.3
17.5°	4696.4	4548.3	4347.7	4197.0	4036.8	3853.7	3623.6	3367.8	3078.4	2814.6	2585.8
15°	4639.8	4483.7	4351.8	4203.7	4023.3	3830.8	3575.1	3309.9	3078.4	2834.8	2592.5
12.5°	4651.9	4517.3	4373.3	4211.8	4017.9	3812.0	3580.5	3334.2	3094.6	2849.6	2593.8
10°	4689.6	4548.3	4394.8	4215.8	4020.6	3817.4	3595.3	3349.0	3102.6	2856.3	2591.1
7.5°	4703.1	4549.6	4385.4	4205.0	4013.9	3814.7	3598.0	3353.0	3104.0	2855.0	2583.1
5°	4661.4	4522.7	4363.9	4182.2	3995.1	3801.2	3587.2	3347.6	3093.2	2841.5	2562.9
2.5°	4604.8	4493.1	4341.0	4166.0	3976.2	3782.4	3569.7	3323.4	3069.0	2817.3	2537.3
0°	4595.4	4456.8	4303.3	4147.2	3945.3	3740.7	3529.3	3277.6	3024.6	2771.5	2492.9
-2.5°	4533.5	4386.8	4233.3	4063.7	3886.0	3680.1	3458.0	3211.7	2961.3	2712.3	2444.4
-5°	4486.4	4323.5	4160.6	3977.6	3798.5	3592.6	3362.4	3122.8	2877.8	2635.6	2377.1
-7.5°	4423.1	4256.2	4085.2	3894.1	3700.3	3490.3	3262.8	3023.2	2782.3	2541.3	2293.7
-10°	4295.2	4148.5	3988.3	3790.5	3585.9	3375.9	3149.7	2914.2	2673.2	2429.6	2180.6
-12.5°	4140.4	3985.6	3810.7	3628.9	3445.9	3250.7	3024.6	2793.0	2550.8	2305.8	2058.1
-15°	3939.9	3787.8	3608.7	3431.1	3254.7	3067.6	2868.4	2659.8	2413.5	2172.5	1924.8
-17.5°	3689.5	3546.8	3386.7	3217.0	3042.1	2853.6	2659.8	2483.5	2253.3	2027.1	1782.2
-20°	3420.3	3287.0	3143.0	2982.8	2807.9	2623.4	2440.4	2256.0	2056.8	1857.5	1630.1



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3140.3	3005.7	2860.3	2710.9	2549.4	2378.5	2208.9	2032.5	1857.5	1677.2	1484.7
-25°	2817.3	2698.8	2565.6	2420.2	2276.2	2126.8	1965.2	1805.0	1655.6	1499.5	1342.0
-27.5°	2479.4	2370.4	2249.2	2122.7	1998.9	1873.7	1733.7	1585.6	1461.8	1332.6	1202.0
-30°	2124.1	2036.6	1938.3	1827.9	1732.4	1631.4	1514.3	1391.8	1278.7	1180.5	1075.5
-32.5°	1787.5	1713.5	1643.5	1570.8	1476.6	1398.5	1317.8	1227.6	1128.0	1035.1	959.7
-35°	1498.1	1418.7	1389.1	1335.3	1268.0	1199.3	1140.1	1075.5	1000.1	918.0	856.1
-37.5°	1254.5	1207.4	1165.7	1136.1	1091.6	1036.5	989.3	942.2	884.4	822.4	760.5
-40°	1064.7	1032.4	986.7	971.8	943.6	905.9	857.4	821.1	782.1	734.9	682.4
-42.5°	912.6	888.4	858.8	833.2	821.1	794.2	756.5	721.5	690.5	658.2	617.8
-45°	787.4	771.3	752.4	729.6	720.1	698.6	671.7	632.6	615.1	588.2	558.6
-47.5°	686.5	678.4	664.9	650.1	636.7	620.5	596.3	572.1	547.8	530.3	507.5
-50°	607.1	601.7	593.6	581.5	564.0	553.2	537.1	515.5	492.7	477.8	461.7
-52.5°	543.8	538.4	533.0	523.6	510.2	499.4	485.9	468.4	449.6	434.8	421.3
-55°	495.3	487.3	483.2	475.2	464.4	452.3	440.2	428.0	411.9	398.4	385.0
-57.5°	457.7	446.9	441.5	434.8	424.0	411.9	402.5	390.4	379.6	364.8	352.7
-60°	428.0	415.9	405.2	398.4	389.0	376.9	367.5	358.0	347.3	335.2	320.4
-62.5°	403.8	389.0	374.2	366.1	356.7	345.9	336.5	327.1	316.3	304.2	290.7
-65°	380.9	363.4	344.6	336.5	327.1	316.3	304.2	297.5	288.1	277.3	263.8
-67.5°	352.7	333.8	317.7	308.2	298.8	289.4	278.6	271.9	262.5	249.0	235.6
-70°	310.9	298.8	288.1	280.0	271.9	263.8	253.1	242.3	231.5	219.4	207.3
-72.5°	258.4	254.4	253.1	249.0	239.6	230.2	219.4	208.6	199.2	189.8	180.4
-75°	208.6	211.3	214.0	212.7	203.3	193.8	184.4	175.0	168.3	160.2	152.1
-77.5°	165.6	168.3	170.9	170.9	164.2	158.8	152.1	145.4	140.0	133.3	125.2
-80°	127.9	131.9	136.0	138.6	133.3	129.2	123.8	118.5	113.1	107.7	102.3
-82.5°	96.9	101.0	105.0	107.7	103.6	101.0	96.9	92.9	88.8	83.5	79.4
-85°	70.0	72.7	75.4	76.7	74.0	71.3	68.6	66.0	63.3	59.2	56.5
-87.5°	40.4	41.7	43.1	44.4	41.7	39.0	37.7	35.0	33.7	31.0	29.6
-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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	33.7	31.0	28.3	26.9	24.2	20.2	17.5	14.8	12.1	9.4	8.1
85°	71.3	64.6	56.5	52.5	47.1	41.7	36.3	31.0	25.6	20.2	14.8
82.5°	122.5	114.4	106.3	96.9	84.8	70.0	55.2	45.8	37.7	29.6	22.9
80°	184.4	169.6	156.1	144.0	130.6	111.7	91.5	72.7	51.1	39.0	29.6
77.5°	255.7	238.3	219.4	199.2	177.7	152.1	129.2	105.0	79.4	53.8	37.7
75°	336.5	313.6	288.1	259.8	231.5	197.9	165.6	137.3	107.7	75.4	45.8
72.5°	426.7	398.4	367.5	329.8	285.4	246.3	207.3	169.6	134.6	95.6	61.9
70°	542.5	498.0	452.3	411.9	355.4	293.4	247.7	204.6	160.2	117.1	78.1
67.5°	666.3	612.5	557.3	498.0	426.7	354.0	288.1	239.6	187.1	137.3	92.9
65°	800.9	733.6	663.6	597.6	499.4	413.2	339.2	273.2	212.7	156.1	107.7
62.5°	939.5	860.1	779.4	693.2	580.1	473.8	387.7	310.9	236.9	173.6	121.1
60°	1087.6	994.7	896.5	788.8	656.9	539.8	433.4	350.0	262.5	191.1	136.0
57.5°	1243.7	1142.8	1027.0	881.7	736.3	603.0	485.9	385.0	285.4	207.3	146.7
55°	1413.3	1297.6	1171.1	978.6	814.4	666.3	538.4	420.0	309.6	220.8	157.5
52.5°	1596.4	1461.8	1301.6	1080.9	896.5	730.9	586.9	450.9	332.5	235.6	166.9
50°	1801.0	1631.4	1416.0	1175.1	967.8	791.5	635.3	484.6	351.3	251.7	175.0
47.5°	2013.7	1830.6	1518.3	1262.6	1040.5	850.7	685.1	514.2	370.2	265.2	183.1
45°	2235.8	1969.3	1624.7	1340.7	1103.8	904.5	722.8	541.1	393.0	277.3	189.8
42.5°	2455.2	2074.3	1717.6	1418.7	1163.0	953.0	753.8	566.7	411.9	289.4	196.5
40°	2558.8	2153.7	1791.6	1472.6	1212.8	996.1	780.7	589.6	428.0	297.5	203.3
37.5°	2601.9	2202.1	1840.0	1523.7	1251.8	1019.0	803.6	609.8	441.5	305.6	208.6
35°	2611.3	2219.6	1864.3	1558.7	1284.1	1040.5	821.1	624.6	452.3	313.6	214.0
32.5°	2593.8	2214.2	1871.0	1570.8	1304.3	1056.6	833.2	635.3	460.3	321.7	219.4
30°	2554.8	2186.0	1846.8	1569.5	1319.1	1066.1	841.3	643.4	468.4	327.1	222.1
27.5°	2491.5	2136.2	1815.8	1570.8	1327.2	1070.1	845.3	647.4	473.8	331.1	227.5
25°	2413.5	2068.9	1817.2	1568.1	1328.5	1071.5	845.3	647.4	475.2	332.5	231.5
22.5°	2323.3	2068.9	1817.2	1564.1	1320.5	1068.8	841.3	644.8	475.2	335.2	235.6
20°	2328.7	2070.2	1813.1	1556.0	1308.4	1060.7	831.9	638.0	471.1	339.2	238.3
17.5°	2332.7	2067.5	1805.0	1545.3	1292.2	1047.2	819.7	628.6	471.1	343.2	239.6
15°	2332.7	2059.5	1792.9	1529.1	1272.0	1028.4	802.2	620.5	472.5	344.6	242.3
12.5°	2328.7	2044.6	1774.1	1507.6	1247.8	1005.5	791.5	617.8	472.5	345.9	242.3
10°	2320.6	2024.5	1749.9	1480.7	1224.9	997.4	786.1	612.5	469.8	345.9	242.3
7.5°	2305.8	2000.2	1729.7	1464.5	1211.4	988.0	778.0	604.4	465.7	343.2	245.0
5°	2282.9	1986.8	1713.5	1445.7	1192.6	981.3	772.6	597.6	463.0	343.2	242.3
2.5°	2253.3	1970.6	1694.7	1421.4	1171.1	958.4	755.1	582.8	453.6	337.9	239.6
0°	2204.8	1938.3	1662.4	1387.8	1141.4	935.5	737.6	568.0	444.2	332.5	236.9
-2.5°	2160.4	1895.2	1620.6	1352.8	1113.2	915.3	724.2	560.0	440.2	331.1	235.6
-5°	2098.5	1836.0	1565.5	1307.0	1075.5	895.1	710.7	550.5	436.1	328.4	235.6
-7.5°	2029.8	1774.1	1507.6	1259.9	1037.8	860.1	685.1	535.7	426.7	323.1	234.2
-10°	1923.5	1681.2	1434.9	1206.1	997.4	829.2	663.6	522.3	418.6	317.7	228.8
-12.5°	1810.4	1578.9	1351.4	1140.1	951.7	796.9	639.4	507.5	409.2	312.3	226.1
-15°	1690.6	1473.9	1263.9	1071.5	901.9	757.8	613.8	491.3	399.8	305.6	222.1
-17.5°	1565.5	1363.5	1173.8	1001.5	852.0	717.4	586.9	476.5	389.0	298.8	218.1
-20°	1433.5	1250.5	1082.2	930.1	799.6	677.1	558.6	459.0	376.9	290.7	212.7



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1303.0	1138.8	988.0	860.1	745.7	635.3	530.3	441.5	363.4	281.3	208.6
-25°	1187.2	1033.8	904.5	792.8	693.2	595.0	500.7	424.0	348.6	271.9	203.3
-27.5°	1074.1	943.6	822.4	729.6	642.1	555.9	472.5	405.2	333.8	261.1	197.9
-30°	969.2	857.4	757.8	667.6	593.6	520.9	448.2	386.3	317.7	250.4	191.1
-32.5°	873.6	783.4	699.9	613.8	547.8	485.9	425.4	367.5	301.5	239.6	184.4
-35°	784.7	714.8	642.1	569.4	502.1	453.6	401.1	347.3	286.7	227.5	177.7
-37.5°	705.3	648.8	590.9	529.0	471.1	422.7	378.2	327.1	271.9	216.7	170.9
-40°	636.7	590.9	539.8	490.0	441.5	395.7	355.4	306.9	257.1	208.6	164.2
-42.5°	573.4	538.4	496.7	455.0	411.9	371.5	332.5	285.4	242.3	199.2	157.5
-45°	525.0	490.0	456.3	418.6	382.3	347.3	308.2	266.5	228.8	188.4	150.8
-47.5°	479.2	448.2	417.3	386.3	356.7	324.4	285.4	250.4	214.0	179.0	145.4
-50°	438.8	409.2	382.3	355.4	329.8	298.8	262.5	234.2	201.9	169.6	138.6
-52.5°	401.1	375.5	348.6	327.1	305.6	274.6	245.0	218.1	189.8	158.8	131.9
-55°	367.5	343.2	319.0	298.8	278.6	251.7	227.5	204.6	177.7	150.8	125.2
-57.5°	335.2	315.0	292.1	273.2	253.1	231.5	211.3	189.8	165.6	142.7	118.5
-60°	305.6	286.7	266.5	247.7	230.2	212.7	193.8	176.3	154.8	133.3	111.7
-62.5°	275.9	259.8	242.3	223.4	210.0	193.8	179.0	161.5	144.0	125.2	99.6
-65°	249.0	234.2	218.1	201.9	189.8	177.7	164.2	148.1	133.3	115.8	88.8
-67.5°	222.1	208.6	195.2	181.7	170.9	161.5	148.1	136.0	123.8	105.0	78.1
-70°	196.5	185.8	173.6	162.9	154.8	144.0	134.6	123.8	113.1	91.5	66.0
-72.5°	172.3	161.5	152.1	144.0	137.3	127.9	119.8	111.7	96.9	76.7	55.2
-75°	144.0	137.3	131.9	125.2	118.5	111.7	105.0	95.6	80.8	61.9	43.1
-77.5°	118.5	114.4	110.4	105.0	99.6	94.2	86.1	76.7	64.6	48.5	35.0
-80°	96.9	92.9	90.2	84.8	80.8	75.4	67.3	59.2	47.1	37.7	28.3
-82.5°	74.0	71.3	68.6	66.0	61.9	56.5	48.5	41.7	35.0	28.3	21.5
-85°	52.5	51.1	48.5	45.8	41.7	37.7	32.3	28.3	24.2	18.8	14.8
-87.5°	26.9	25.6	24.2	22.9	21.5	18.8	16.2	13.5	12.1	9.4	6.7
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.4	4.0	1.3	0.0
85°	10.8	6.7	2.7	0.0
82.5°	16.2	10.8	4.0	0.0
80°	21.5	13.5	6.7	0.0
77.5°	26.9	16.2	8.1	0.0
75°	32.3	20.2	9.4	0.0
72.5°	36.3	22.9	10.8	0.0
70°	43.1	26.9	12.1	0.0
67.5°	53.8	29.6	13.5	0.0
65°	63.3	32.3	14.8	0.0
62.5°	74.0	35.0	16.2	0.0
60°	83.5	37.7	17.5	0.0
57.5°	92.9	44.4	18.8	0.0
55°	101.0	49.8	20.2	0.0
52.5°	110.4	55.2	21.5	0.0
50°	118.5	60.6	22.9	0.0
47.5°	125.2	66.0	22.9	0.0
45°	130.6	70.0	24.2	0.0
42.5°	134.6	74.0	25.6	0.0
40°	138.6	78.1	26.9	0.0
37.5°	142.7	82.1	26.9	0.0
35°	146.7	86.1	28.3	0.0
32.5°	150.8	90.2	28.3	0.0
30°	153.4	92.9	29.6	0.0
27.5°	157.5	95.6	29.6	0.0
25°	158.8	98.3	31.0	0.0
22.5°	161.5	99.6	31.0	0.0
20°	164.2	102.3	31.0	0.0
17.5°	165.6	103.6	32.3	0.0
15°	165.6	105.0	33.7	0.0
12.5°	166.9	106.3	33.7	0.0
10°	166.9	109.0	32.3	0.0
7.5°	169.6	107.7	32.3	0.0
5°	168.3	107.7	32.3	0.0
2.5°	166.9	106.3	32.3	0.0
0°	165.6	106.3	32.3	0.0
-2.5°	165.6	106.3	32.3	0.0
-5°	165.6	106.3	32.3	0.0
-7.5°	164.2	107.7	32.3	0.0
-10°	161.5	107.7	32.3	0.0
-12.5°	160.2	103.6	32.3	0.0
-15°	158.8	102.3	32.3	0.0
-17.5°	156.1	101.0	31.0	0.0
-20°	153.4	99.6	31.0	0.0



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CATALOG NUMBER: IFLD-S-SA2D-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	150.8	96.9	31.0	0.0
-25°	148.1	94.2	29.6	0.0
-27.5°	145.4	91.5	29.6	0.0
-30°	141.3	88.8	28.3	0.0
-32.5°	137.3	86.1	28.3	0.0
-35°	134.6	82.1	26.9	0.0
-37.5°	130.6	78.1	26.9	0.0
-40°	126.5	74.0	25.6	0.0
-42.5°	122.5	70.0	24.2	0.0
-45°	117.1	66.0	24.2	0.0
-47.5°	113.1	61.9	22.9	0.0
-50°	106.3	56.5	21.5	0.0
-52.5°	98.3	51.1	20.2	0.0
-55°	90.2	47.1	18.8	0.0
-57.5°	82.1	41.7	18.8	0.0
-60°	74.0	36.3	17.5	0.0
-62.5°	66.0	33.7	16.2	0.0
-65°	57.9	31.0	14.8	0.0
-67.5°	48.5	26.9	13.5	0.0
-70°	40.4	24.2	12.1	0.0
-72.5°	35.0	21.5	10.8	0.0
-75°	29.6	18.8	9.4	0.0
-77.5°	25.6	16.2	8.1	0.0
-80°	20.2	12.1	5.4	0.0
-82.5°	14.8	9.4	4.0	0.0
-85°	9.4	6.7	2.7	0.0
-87.5°	5.4	2.7	1.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)