

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P158790

Luminaire Tested: **VTS-E06-LED-E1-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158790  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E06-LED-E1-SLL  
Description: VENTUS LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (126) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

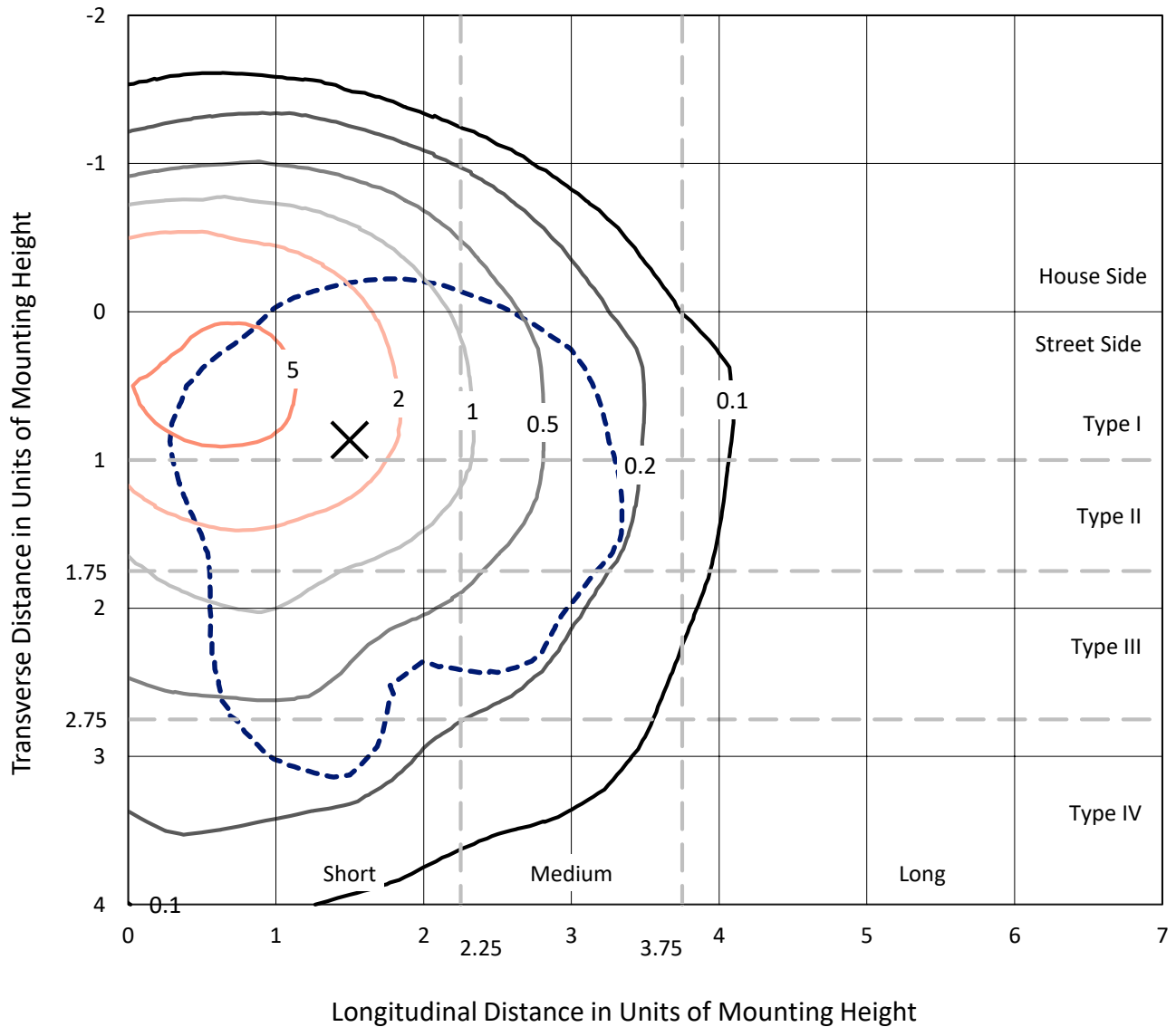
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16123.7 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 150.5  
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: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

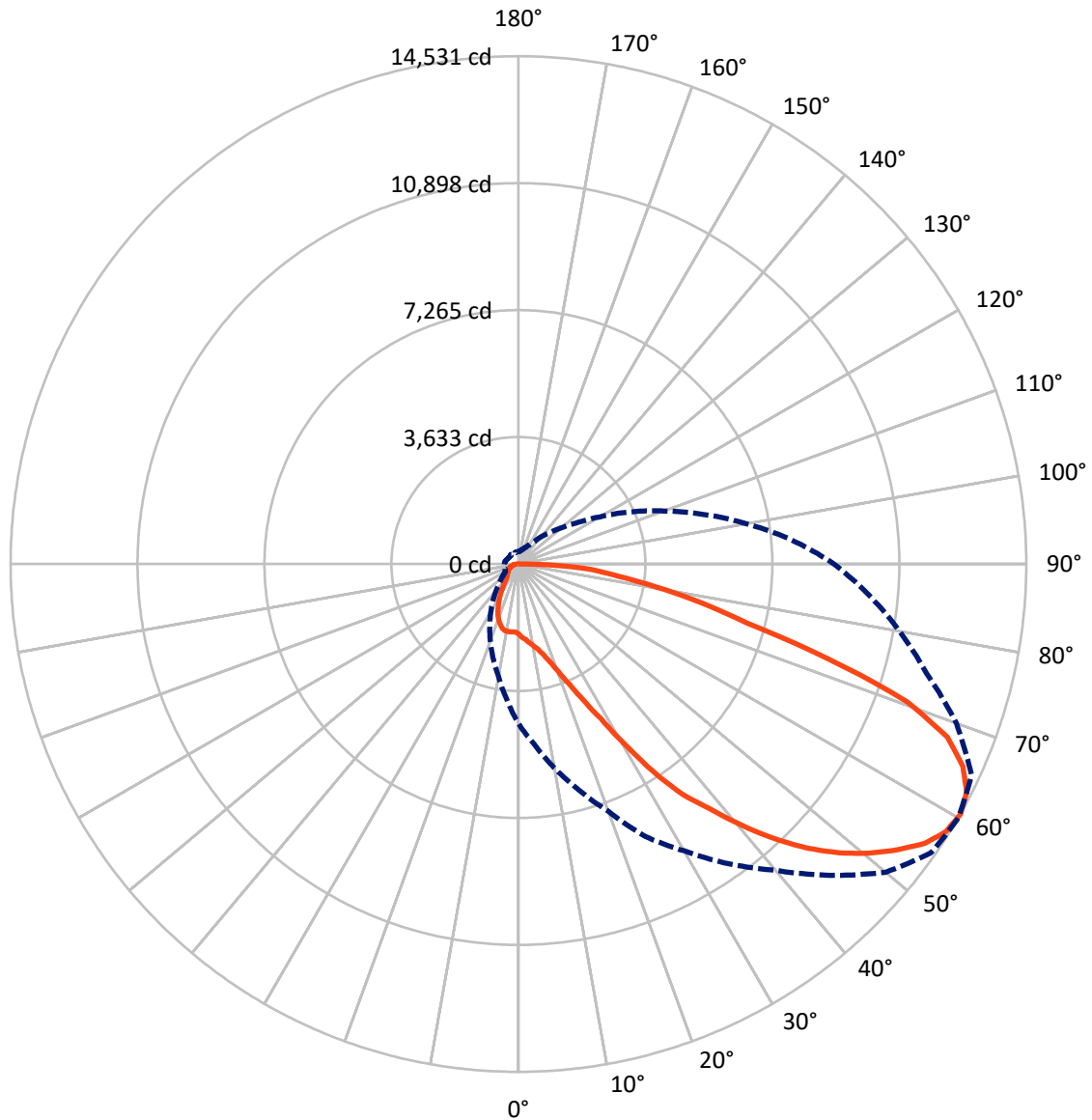
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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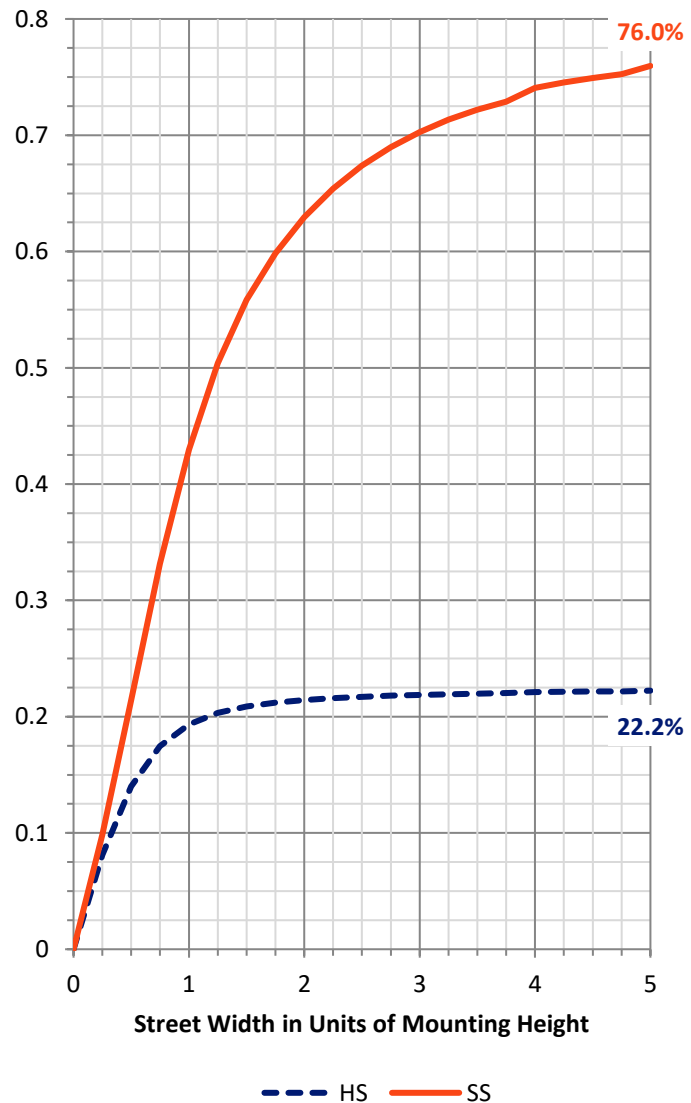
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3630.6	0.0	3630.6
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	12493.1	0.0	12493.1
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	16123.7	0.0	16123.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.8	1.2
10°-20°	638.7	4.0
20°-30°	1212.1	7.5
30°-40°	1908.8	11.8
40°-50°	2664.2	16.5
50°-60°	3295.0	20.4
60°-70°	3415.5	21.2
70°-80°	2149.1	13.3
80°-90°	642.4	4.0
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°	16123.7	100.0
0°-180°	16123.7	100.0



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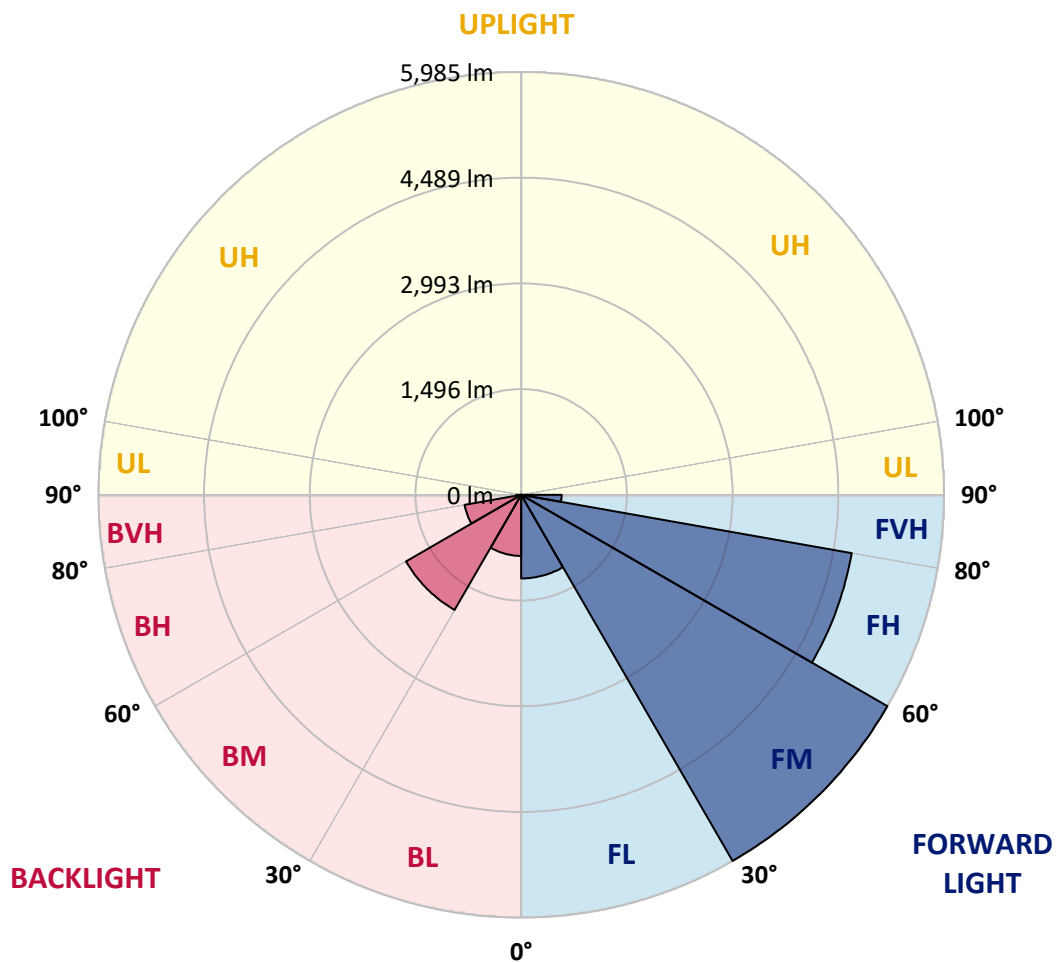
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1183.7	7.3			
FM (30°-60°)	5985.4	37.1			
FH (60°-80°)	4751.5	29.5			G2/5000
FVH (80°-90°)	572.5	3.6			G4/750
BL (0°-30°)	864.9	5.4	B2/1000		
BM (30°-60°)	1882.7	11.7	B2/2500		
BH (60°-80°)	813.1	5.0	B2/1000		G2/1000
BVH (80°-90°)	69.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2.5°	2124.0	2121.6	2121.6	2121.6	2120.4	2118.0	2121.6	2120.4	2114.4	2110.8	2114.4
5°	2151.6	2152.8	2156.4	2157.6	2157.6	2161.2	2170.8	2172.0	2170.8	2173.2	2179.2
7.5°	2178.0	2184.0	2187.6	2193.6	2200.8	2206.8	2223.6	2240.4	2251.2	2259.6	2262.0
10°	2221.2	2230.8	2241.6	2257.2	2274.0	2304.0	2318.4	2335.2	2346.0	2362.8	2366.4
12.5°	2331.6	2343.6	2350.8	2374.8	2396.4	2425.2	2445.6	2450.4	2475.6	2490.0	2506.8
15°	2517.6	2535.6	2560.8	2575.2	2599.2	2624.4	2642.4	2666.4	2670.0	2689.2	2702.4
17.5°	2745.6	2770.8	2822.4	2857.2	2888.4	2913.6	2949.6	2977.2	2983.2	3004.8	2977.2
20°	3064.8	3126.0	3134.4	3204.0	3231.6	3282.0	3354.0	3367.2	3402.0	3367.2	3346.8
22.5°	3496.8	3592.8	3619.2	3686.4	3720.0	3796.8	3818.4	3889.2	3913.2	3886.8	3831.6
25°	3993.6	4142.4	4219.2	4322.4	4339.2	4496.4	4513.2	4596.0	4551.6	4488.0	4489.2
27.5°	4359.6	4612.8	4810.8	4987.2	5110.8	5288.4	5426.4	5464.8	5422.8	5340.0	5311.2
30°	4568.4	4855.2	5139.6	5383.2	5671.2	5942.4	6224.4	6364.8	6388.8	6432.0	6258.0
32.5°	4702.8	5071.2	5409.6	5710.8	6006.0	6355.2	6733.2	7094.4	7398.0	7627.2	7519.2
35°	4815.6	5270.4	5703.6	6068.4	6417.6	6798.0	7179.6	7605.6	8108.4	8402.4	8463.6
37.5°	4861.2	5416.8	5947.2	6415.2	6906.0	7334.4	7713.6	8092.8	8620.8	9145.2	9307.2
40°	4852.8	5488.8	6092.4	6680.4	7281.6	7816.8	8260.8	8709.6	9327.6	9940.8	10204.8
42.5°	4796.4	5499.6	6184.8	6856.8	7542.0	8253.6	8821.2	9338.4	9931.2	10717.2	11090.4
45°	4725.6	5462.4	6204.0	6946.8	7735.2	8558.4	9276.0	9915.6	10610.4	11386.8	11838.0
47.5°	4629.6	5403.6	6180.0	6978.0	7821.6	8754.0	9597.6	10366.8	11131.2	12025.2	12597.6
50°	4525.2	5319.6	6130.8	6955.2	7843.2	8860.8	9781.2	10657.2	11550.0	12514.8	13238.4
52.5°	4452.0	5229.6	6086.4	6908.4	7821.6	8893.2	9848.4	10813.2	11806.8	12804.0	13668.0
55°	4362.0	5109.6	5967.6	6799.2	7742.4	8875.2	9841.2	10867.2	11877.6	12915.6	13902.0
57.5°	4368.0	5054.4	5866.8	6668.4	7580.4	8708.4	9705.6	10813.2	11766.0	12843.6	13910.4
60°	4557.6	5173.2	5919.6	6694.8	7532.4	8602.8	9475.2	10465.2	11438.4	12595.2	13716.0
62.5°	4948.8	5512.8	6190.8	6958.8	7802.4	8814.0	9370.8	9886.8	10750.8	12138.0	13384.8
65°	5415.6	5924.4	6512.4	7243.2	8188.8	9157.2	9312.0	9416.4	9853.2	11248.8	12763.2
67.5°	5882.4	6337.2	6799.2	7405.2	8408.4	9255.6	9072.0	8823.6	9058.8	10215.6	11541.6
70°	6050.4	6654.0	6957.6	7374.0	8241.6	9026.4	8684.4	8059.2	8140.8	9192.0	10161.6
72.5°	5798.4	6658.8	6759.6	6914.4	7498.8	8236.8	7875.6	7071.6	7054.8	7857.6	8641.2
75°	4863.6	6074.4	6073.2	6015.6	6147.6	6567.6	6380.4	5895.6	6100.8	6733.2	6991.2
77.5°	3466.8	4740.0	4800.0	4412.4	4402.8	4592.4	4705.2	5269.2	6013.2	6368.4	6286.8
80°	2178.0	3198.0	3456.0	2977.2	2875.2	3144.0	3841.2	4662.0	5577.6	5896.8	5622.0
82.5°	1311.6	2060.4	2610.0	2338.8	2314.8	2804.4	3574.8	3894.0	4168.8	4508.4	4048.8
85°	890.4	1372.8	1785.6	1839.6	2049.6	2556.0	2890.8	2749.2	2756.4	2667.6	2430.0
87.5°	170.4	374.4	612.0	746.4	828.0	1112.4	1209.6	1095.6	1156.8	846.0	925.2
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°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2.5°	2108.4	2108.4	2108.4	2102.4	2103.6	2095.2	2091.6	2091.6	2088.0	2088.0	2086.8
5°	2174.4	2167.2	2170.8	2169.6	2169.6	2157.6	2151.6	2151.6	2136.0	2137.2	2132.4
7.5°	2272.8	2271.6	2275.2	2268.0	2258.4	2248.8	2239.2	2234.4	2212.8	2199.6	2191.2
10°	2384.4	2383.2	2386.8	2385.6	2368.8	2350.8	2324.4	2305.2	2278.8	2258.4	2238.0
12.5°	2506.8	2505.6	2503.2	2492.4	2474.4	2445.6	2412.0	2379.6	2340.0	2313.6	2283.6
15°	2697.6	2694.0	2679.6	2664.0	2644.8	2600.4	2541.6	2494.8	2442.0	2396.4	2347.2
17.5°	2979.6	2949.6	2947.2	2912.4	2860.8	2802.0	2746.8	2668.8	2593.2	2524.8	2457.6
20°	3368.4	3298.8	3279.6	3240.0	3171.6	3110.4	2990.4	2886.0	2782.8	2689.2	2604.0
22.5°	3792.0	3741.6	3694.8	3630.0	3536.4	3447.6	3295.2	3164.4	3032.4	2912.4	2817.6
25°	4383.6	4296.0	4212.0	4108.8	3979.2	3873.6	3699.6	3567.6	3394.8	3285.6	3148.8
27.5°	5148.0	4998.0	4856.4	4767.6	4539.6	4386.0	4164.0	3993.6	3784.8	3637.2	3475.2
30°	6142.8	5968.8	5758.8	5451.6	5180.4	4875.6	4600.8	4382.4	4160.4	3954.0	3766.8
32.5°	7376.4	7069.2	6736.8	6249.6	5804.4	5370.0	5004.0	4735.2	4508.4	4251.6	3987.6
35°	8419.2	8102.4	7630.8	7011.6	6462.0	5965.2	5527.2	5160.0	4863.6	4538.4	4189.2
37.5°	9242.4	8881.2	8438.4	7780.8	7200.0	6634.8	6175.2	5707.2	5318.4	4870.8	4429.2
40°	10185.6	9823.2	9336.0	8654.4	7966.8	7353.6	6814.8	6331.2	5853.6	5307.6	4740.0
42.5°	11007.6	10746.0	10252.8	9548.4	8786.4	8103.6	7514.4	6961.2	6337.2	5726.4	5054.4
45°	11864.4	11598.0	11130.0	10393.2	9583.2	8822.4	8118.0	7522.8	6786.0	6058.8	5289.6
47.5°	12621.6	12348.0	11875.2	11143.2	10282.8	9481.2	8706.0	7986.0	7130.4	6295.2	5443.2
50°	13344.0	13009.2	12576.0	11846.4	10927.2	10070.4	9229.2	8305.2	7398.0	6460.8	5547.6
52.5°	14007.6	13581.6	13171.2	12420.0	11426.4	10531.2	9592.8	8576.4	7562.4	6591.6	5618.4
55°	14384.4	14109.6	13618.8	12880.8	11781.6	10848.0	9823.2	8767.2	7725.6	6684.0	5648.4
57.5°	14500.8	14433.6	14022.0	13147.2	11990.4	11022.0	9979.2	8918.4	7834.8	6710.4	5606.4
60°	14408.4	14530.8	14305.2	13334.4	12085.2	11073.6	10056.0	9026.4	7854.0	6626.4	5479.2
62.5°	14112.0	14390.4	14361.6	13396.8	12036.0	11008.8	10047.6	8971.2	7674.0	6364.8	5193.6
65°	13624.8	13975.2	14098.8	13165.2	11758.8	10772.4	9834.0	8624.4	7173.6	5853.6	4714.8
67.5°	12708.0	13238.4	13358.4	12406.8	11034.0	10118.4	9218.4	7904.4	6247.2	5062.8	3967.2
70°	10870.8	11798.4	11960.4	10962.0	9756.0	8952.0	8188.8	6763.2	5202.0	4060.8	3044.4
72.5°	8678.4	9261.6	9592.8	8905.2	8007.6	7424.4	6846.0	5188.8	3925.2	2996.4	2095.2
75°	6784.8	6750.0	7046.4	6589.2	6061.2	5788.8	5354.4	3620.4	2629.2	1984.8	1326.0
77.5°	5800.8	5354.4	5017.2	4695.6	4382.4	4296.0	3879.6	2246.4	1624.8	1189.2	793.2
80°	4821.6	4006.8	3391.2	2938.8	2827.2	2997.6	2539.2	1324.8	962.4	682.8	498.0
82.5°	3445.2	2882.4	2346.0	2059.2	1868.4	2139.6	1497.6	735.6	522.0	409.2	330.0
85°	2233.2	2134.8	2112.0	2018.4	1786.8	1687.2	1137.6	633.6	391.2	254.4	205.2
87.5°	859.2	1101.6	1270.8	1362.0	1472.4	1311.6	592.8	218.4	214.8	132.0	99.6
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2.5°	2078.4	2073.6	2072.4	2068.8	2066.4	2066.4	2060.4	1951.2	1950.0	1950.0	1948.8
5°	2122.8	2116.8	2110.8	2109.6	2104.8	2104.8	2098.8	1989.6	1989.6	1989.6	1987.2
7.5°	2182.8	2170.8	2163.6	2160.0	2152.8	2156.4	2161.2	2050.8	2052.0	2050.8	2053.2
10°	2226.0	2218.8	2210.4	2208.0	2203.2	2206.8	2214.0	2104.8	2108.4	2109.6	2112.0
12.5°	2268.0	2256.0	2245.2	2241.6	2239.2	2248.8	2257.2	2151.6	2155.2	2158.8	2158.8
15°	2319.6	2299.2	2284.8	2276.4	2271.6	2281.2	2293.2	2188.8	2190.0	2193.6	2192.4
17.5°	2407.2	2377.2	2343.6	2337.6	2322.0	2325.6	2328.0	2211.6	2206.8	2198.4	2184.0
20°	2542.8	2497.2	2451.6	2432.4	2401.2	2388.0	2361.6	2212.8	2182.8	2157.6	2136.0
22.5°	2737.2	2670.0	2620.8	2588.4	2524.8	2480.4	2408.4	2206.8	2150.4	2107.2	2073.6
25°	3051.6	2971.2	2895.6	2814.0	2714.4	2625.6	2520.0	2259.6	2172.0	2097.6	2032.8
27.5°	3357.6	3230.4	3114.0	2991.6	2851.2	2718.0	2569.2	2276.4	2176.8	2080.8	1975.2
30°	3586.8	3402.0	3225.6	3046.8	2863.2	2690.4	2522.4	2218.8	2100.0	1992.0	1880.4
32.5°	3726.0	3486.0	3256.8	3034.8	2818.8	2624.4	2436.0	2119.2	1988.4	1861.2	1742.4
35°	3858.0	3560.4	3276.0	3014.4	2767.2	2551.2	2348.4	2002.8	1846.8	1711.2	1561.2
37.5°	4021.2	3638.4	3288.0	2977.2	2691.6	2444.4	2221.2	1856.4	1700.4	1533.6	1392.0
40°	4216.8	3718.8	3276.0	2902.8	2574.0	2304.0	2067.6	1702.8	1528.8	1366.8	1227.6
42.5°	4402.8	3789.6	3244.8	2803.2	2445.6	2157.6	1927.2	1566.0	1392.0	1226.4	1088.4
45°	4540.8	3849.6	3229.2	2733.6	2347.2	2058.0	1803.6	1455.6	1272.0	1105.2	964.8
47.5°	4636.8	3885.6	3222.0	2695.2	2278.8	1954.8	1690.8	1345.2	1152.0	984.0	847.2
50°	4687.2	3884.4	3204.0	2653.2	2178.0	1831.2	1574.4	1233.6	1041.6	877.2	752.4
52.5°	4700.4	3862.8	3165.6	2576.4	2055.6	1707.6	1449.6	1117.2	944.4	787.2	661.2
55°	4670.4	3810.0	3085.2	2448.0	1924.8	1576.8	1335.6	1026.0	849.6	700.8	602.4
57.5°	4585.2	3716.4	2934.0	2271.6	1786.8	1455.6	1204.8	915.6	746.4	621.6	540.0
60°	4426.8	3518.4	2697.6	2062.8	1611.6	1270.8	1024.8	771.6	637.2	543.6	477.6
62.5°	4134.0	3207.6	2365.2	1774.8	1359.6	1030.8	818.4	615.6	514.8	453.6	412.8
65°	3662.4	2739.6	1980.0	1398.0	1033.2	750.0	608.4	463.2	390.0	352.8	340.8
67.5°	2989.2	2115.6	1440.0	970.8	699.6	525.6	423.6	338.4	303.6	289.2	284.4
70°	2173.2	1441.2	932.4	613.2	462.0	367.2	320.4	272.4	253.2	249.6	249.6
72.5°	1364.4	876.0	571.2	420.0	350.4	297.6	273.6	240.0	232.8	230.4	226.8
75°	800.4	531.6	404.4	344.4	300.0	266.4	246.0	218.4	213.6	212.4	208.8
77.5°	510.0	382.8	326.4	294.0	271.2	241.2	223.2	194.4	193.2	192.0	190.8
80°	366.0	318.0	285.6	260.4	237.6	210.0	199.2	176.4	174.0	172.8	175.2
82.5°	277.2	262.8	249.6	230.4	199.2	178.8	170.4	154.8	156.0	150.0	148.8
85°	190.8	188.4	187.2	178.8	156.0	138.0	132.0	123.6	129.6	123.6	116.4
87.5°	93.6	92.4	85.2	100.8	93.6	74.4	67.2	74.4	82.8	80.4	74.4
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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2.5°	1944.0	1939.2	1942.8	1940.4	1940.4	1939.2	1941.6	1938.0	1935.6	1938.0	1939.2
5°	1982.4	1976.4	1977.6	1969.2	1972.8	1964.4	1966.8	1960.8	1954.8	1952.4	1952.4
7.5°	2047.2	2041.2	2034.0	2032.8	2019.6	2014.8	2006.4	2001.6	1998.0	1989.6	1984.8
10°	2106.0	2096.4	2088.0	2086.8	2073.6	2061.6	2050.8	2041.2	2035.2	2023.2	2017.2
12.5°	2154.0	2144.4	2131.2	2124.0	2110.8	2096.4	2089.2	2074.8	2066.4	2053.2	2042.4
15°	2181.6	2164.8	2145.6	2132.4	2113.2	2097.6	2086.8	2076.0	2067.6	2050.8	2035.2
17.5°	2168.4	2140.8	2114.4	2090.4	2064.0	2049.6	2034.0	2020.8	2018.4	1999.2	1975.2
20°	2113.2	2080.8	2046.0	2013.6	1978.8	1958.4	1939.2	1918.8	1912.8	1890.0	1858.8
22.5°	2046.0	2008.8	1969.2	1929.6	1885.2	1856.4	1827.6	1802.4	1782.0	1748.4	1704.0
25°	1977.6	1922.4	1864.8	1814.4	1762.8	1726.8	1696.8	1669.2	1645.2	1591.2	1545.6
27.5°	1887.6	1801.2	1742.4	1684.8	1622.4	1575.6	1542.0	1503.6	1477.2	1414.8	1366.8
30°	1772.4	1686.0	1602.0	1544.4	1482.0	1431.6	1388.4	1333.2	1294.8	1249.2	1204.8
32.5°	1627.2	1540.8	1455.6	1390.8	1339.2	1276.8	1222.8	1170.0	1125.6	1081.2	1046.4
35°	1450.8	1366.8	1286.4	1221.6	1164.0	1114.8	1063.2	1017.6	967.2	919.2	898.8
37.5°	1264.8	1174.8	1086.0	1029.6	984.0	949.2	901.2	864.0	818.4	789.6	765.6
40°	1102.8	1006.8	922.8	874.8	838.8	799.2	759.6	730.8	698.4	669.6	651.6
42.5°	966.0	876.0	804.0	763.2	720.0	676.8	646.8	622.8	602.4	580.8	559.2
45°	840.0	753.6	693.6	643.2	607.2	572.4	552.0	541.2	529.2	516.0	501.6
47.5°	734.4	660.0	601.2	554.4	517.2	493.2	483.6	480.0	475.2	464.4	457.2
50°	654.0	592.8	532.8	490.8	459.6	447.6	436.8	433.2	427.2	423.6	418.8
52.5°	586.8	522.0	471.6	433.2	414.0	409.2	404.4	399.6	398.4	396.0	393.6
55°	531.6	475.2	428.4	399.6	390.0	386.4	385.2	380.4	379.2	379.2	375.6
57.5°	482.4	434.4	392.4	374.4	368.4	364.8	362.4	360.0	360.0	362.4	361.2
60°	432.0	391.2	366.0	356.4	352.8	346.8	340.8	338.4	339.6	345.6	345.6
62.5°	382.8	352.8	337.2	333.6	330.0	325.2	318.0	315.6	318.0	325.2	328.8
65°	328.8	315.6	310.8	308.4	306.0	302.4	297.6	295.2	296.4	300.0	304.8
67.5°	279.6	278.4	278.4	279.6	278.4	277.2	274.8	271.2	270.0	270.0	272.4
70°	249.6	249.6	253.2	253.2	252.0	252.0	248.4	244.8	242.4	240.0	241.2
72.5°	226.8	226.8	228.0	229.2	228.0	228.0	223.2	220.8	214.8	213.6	211.2
75°	207.6	205.2	205.2	204.0	202.8	204.0	199.2	193.2	190.8	189.6	187.2
77.5°	188.4	183.6	181.2	178.8	180.0	178.8	175.2	171.6	168.0	166.8	165.6
80°	166.8	159.6	156.0	150.0	153.6	154.8	152.4	148.8	147.6	146.4	145.2
82.5°	138.0	130.8	126.0	122.4	120.0	122.4	126.0	134.4	132.0	130.8	128.4
85°	108.0	96.0	90.0	91.2	85.2	86.4	97.2	102.0	102.0	104.4	102.0
87.5°	61.2	58.8	44.4	40.8	43.2	51.6	57.6	63.6	63.6	60.0	67.2
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2.5°	1939.2	1941.6	1942.8	1947.6	1950.0	1951.2	1952.4	1954.8	1956.0	1954.8	1960.8
5°	1948.8	1948.8	1946.4	1950.0	1951.2	1951.2	1948.8	1951.2	1951.2	1951.2	1957.2
7.5°	1974.0	1966.8	1963.2	1958.4	1954.8	1950.0	1944.0	1944.0	1942.8	1944.0	1947.6
10°	2000.4	1989.6	1976.4	1964.4	1953.6	1945.2	1934.4	1930.8	1929.6	1928.4	1938.0
12.5°	2020.8	2001.6	1981.2	1960.8	1939.2	1924.8	1906.8	1896.0	1894.8	1894.8	1906.8
15°	2006.4	1975.2	1935.6	1899.6	1880.4	1860.0	1839.6	1826.4	1825.2	1827.6	1834.8
17.5°	1934.4	1884.0	1849.2	1814.4	1789.2	1772.4	1759.2	1756.8	1761.6	1756.8	1766.4
20°	1812.0	1758.0	1734.0	1706.4	1696.8	1684.8	1665.6	1648.8	1648.8	1627.2	1633.2
22.5°	1653.6	1623.6	1592.4	1570.8	1563.6	1543.2	1522.8	1500.0	1497.6	1471.2	1467.6
25°	1488.0	1458.0	1432.8	1428.0	1406.4	1378.8	1359.6	1333.2	1327.2	1300.8	1297.2
27.5°	1318.8	1294.8	1269.6	1255.2	1243.2	1213.2	1196.4	1165.2	1153.2	1124.4	1120.8
30°	1158.0	1141.2	1111.2	1099.2	1076.4	1041.6	1005.6	986.4	976.8	946.8	937.2
32.5°	1006.8	980.4	957.6	943.2	914.4	874.8	842.4	814.8	796.8	760.8	751.2
35°	862.8	836.4	825.6	788.4	763.2	736.8	692.4	675.6	643.2	615.6	606.0
37.5°	735.6	710.4	696.0	664.8	639.6	613.2	586.8	565.2	549.6	543.6	543.6
40°	626.4	613.2	595.2	572.4	555.6	536.4	522.0	514.8	513.6	516.0	522.0
42.5°	548.4	534.0	522.0	510.0	498.0	495.6	492.0	496.8	502.8	508.8	514.8
45°	489.6	477.6	470.4	465.6	464.4	468.0	475.2	482.4	493.2	500.4	505.2
47.5°	447.6	438.0	435.6	434.4	440.4	451.2	460.8	471.6	480.0	487.2	492.0
50°	411.6	403.2	402.0	400.8	409.2	418.8	427.2	441.6	447.6	452.4	456.0
52.5°	386.4	379.2	375.6	376.8	385.2	393.6	405.6	416.4	424.8	428.4	432.0
55°	366.0	363.6	355.2	358.8	367.2	378.0	390.0	402.0	410.4	416.4	422.4
57.5°	350.4	344.4	338.4	344.4	352.8	363.6	378.0	388.8	399.6	408.0	414.0
60°	333.6	328.8	324.0	330.0	338.4	349.2	360.0	374.4	387.6	396.0	402.0
62.5°	319.2	315.6	310.8	312.0	315.6	322.8	328.8	342.0	354.0	364.8	372.0
65°	298.8	297.6	290.4	291.6	294.0	301.2	306.0	318.0	330.0	339.6	345.6
67.5°	268.8	266.4	266.4	270.0	271.2	274.8	278.4	290.4	300.0	307.2	314.4
70°	238.8	237.6	237.6	240.0	238.8	242.4	247.2	258.0	270.0	277.2	284.4
72.5°	210.0	210.0	208.8	211.2	211.2	212.4	218.4	228.0	238.8	244.8	249.6
75°	184.8	183.6	183.6	183.6	184.8	184.8	190.8	199.2	210.0	213.6	220.8
77.5°	162.0	162.0	162.0	162.0	163.2	162.0	165.6	171.6	175.2	181.2	181.2
80°	142.8	141.6	142.8	144.0	144.0	142.8	142.8	144.0	145.2	145.2	145.2
82.5°	126.0	122.4	124.8	130.8	130.8	130.8	129.6	121.2	115.2	115.2	117.6
85°	100.8	100.8	102.0	110.4	111.6	106.8	111.6	99.6	87.6	84.0	86.4
87.5°	62.4	49.2	60.0	68.4	68.4	64.8	72.0	67.2	56.4	45.6	43.2
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	0°
2.5°	1965.6	1966.8	1974.0	1977.6	1977.6	1982.4	1984.8	1992.0	1990.8	1990.8	1993.2	2.5°
5°	1963.2	1966.8	1974.0	1978.8	1981.2	1987.2	1992.0	2000.4	1999.2	2001.6	2002.8	5°
7.5°	1954.8	1964.4	1971.6	1981.2	1989.6	1994.4	2000.4	2007.6	2005.2	2006.4	2005.2	7.5°
10°	1947.6	1957.2	1971.6	1984.8	1996.8	2004.0	2007.6	2016.0	2014.8	2017.2	2017.2	10°
12.5°	1918.8	1935.6	1953.6	1974.0	1992.0	2011.2	2023.2	2041.2	2049.6	2060.4	2072.4	12.5°
15°	1845.6	1864.8	1893.6	1916.4	1951.2	1977.6	2012.4	2047.2	2078.4	2108.4	2143.2	15°
17.5°	1773.6	1782.0	1804.8	1836.0	1867.2	1906.8	1948.8	2011.2	2067.6	2128.8	2196.0	17.5°
20°	1640.4	1654.8	1670.4	1707.6	1744.8	1801.2	1852.8	1934.4	2017.2	2113.2	2216.4	20°
22.5°	1476.0	1490.4	1507.2	1549.2	1594.8	1652.4	1714.8	1806.0	1916.4	2041.2	2179.2	22.5°
25°	1298.4	1306.8	1320.0	1362.0	1389.6	1465.2	1540.8	1635.6	1755.6	1916.4	2077.2	25°
27.5°	1102.8	1118.4	1129.2	1148.4	1212.0	1276.8	1356.0	1458.0	1603.2	1767.6	1962.0	27.5°
30°	915.6	928.8	922.8	963.6	1005.6	1074.0	1159.2	1272.0	1411.2	1606.8	1831.2	30°
32.5°	732.0	741.6	738.0	766.8	808.8	877.2	957.6	1080.0	1227.6	1436.4	1680.0	32.5°
35°	603.6	606.0	619.2	632.4	668.4	723.6	792.0	898.8	1050.0	1242.0	1500.0	35°
37.5°	543.6	548.4	556.8	574.8	601.2	640.8	697.2	780.0	909.6	1078.8	1309.2	37.5°
40°	525.6	529.2	534.0	546.0	571.2	606.0	656.4	726.0	820.8	963.6	1150.8	40°
42.5°	517.2	517.2	517.2	524.4	543.6	580.8	638.4	706.8	789.6	897.6	1048.8	42.5°
45°	505.2	505.2	504.0	507.6	520.8	558.0	620.4	697.2	786.0	889.2	1020.0	45°
47.5°	492.0	490.8	487.2	487.2	495.6	532.8	597.6	680.4	777.6	896.4	1036.8	47.5°
50°	456.0	456.0	456.0	459.6	466.8	500.4	570.0	657.6	769.2	901.2	1063.2	50°
52.5°	435.6	436.8	440.4	440.4	447.6	482.4	555.6	652.8	774.0	919.2	1096.8	52.5°
55°	426.0	429.6	433.2	433.2	439.2	475.2	550.8	656.4	792.0	956.4	1154.4	55°
57.5°	417.6	421.2	423.6	423.6	428.4	459.6	537.6	650.4	802.8	992.4	1225.2	57.5°
60°	402.0	404.4	405.6	405.6	406.8	433.2	507.6	621.6	778.8	990.0	1263.6	60°
62.5°	373.2	378.0	379.2	380.4	380.4	405.6	469.2	574.8	727.2	954.0	1252.8	62.5°
65°	351.6	354.0	357.6	360.0	364.8	381.6	432.0	518.4	660.0	882.0	1192.8	65°
67.5°	318.0	321.6	325.2	330.0	334.8	345.6	385.2	454.8	568.8	759.6	1058.4	67.5°
70°	288.0	289.2	292.8	298.8	300.0	306.0	334.8	382.8	465.6	609.6	852.0	70°
72.5°	250.8	253.2	258.0	265.2	265.2	270.0	286.8	312.0	364.8	465.6	628.8	72.5°
75°	218.4	220.8	224.4	224.4	218.4	219.6	231.6	249.6	289.2	350.4	458.4	75°
77.5°	181.2	186.0	189.6	182.4	180.0	183.6	189.6	202.8	231.6	278.4	344.4	77.5°
80°	150.0	152.4	153.6	154.8	152.4	156.0	160.8	169.2	188.4	224.4	272.4	80°
82.5°	120.0	122.4	126.0	130.8	130.8	144.0	145.2	145.2	156.0	178.8	213.6	82.5°
85°	88.8	93.6	98.4	104.4	105.6	112.8	109.2	108.0	111.6	133.2	147.6	85°
87.5°	45.6	49.2	51.6	56.4	50.4	52.8	52.8	49.2	43.2	54.0	60.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
1995.6	1993.2	1995.6	1995.6	1999.2	1996.8	2124.0
2005.2	2002.8	2005.2	2007.6	2011.2	2011.2	2151.6
2006.4	2006.4	2004.0	2010.0	2014.8	2019.6	2178.0
2020.8	2020.8	2023.2	2024.4	2035.2	2047.2	2221.2
2079.6	2085.6	2096.4	2100.0	2119.2	2132.4	2331.6
2169.6	2203.2	2224.8	2232.0	2248.8	2274.0	2517.6
2260.8	2317.2	2376.0	2412.0	2433.6	2463.6	2745.6
2329.2	2434.8	2535.6	2625.6	2677.2	2736.0	3064.8
2335.2	2503.2	2673.6	2840.4	2978.4	3087.6	3496.8
2277.6	2498.4	2733.6	2989.2	3226.8	3423.6	3993.6
2204.4	2475.6	2775.6	3102.0	3414.0	3704.4	4359.6
2112.0	2437.2	2782.8	3150.0	3516.0	3865.2	4568.4
1971.6	2323.2	2696.4	3102.0	3526.8	3951.6	4702.8
1791.6	2150.4	2533.2	2995.2	3476.4	3986.4	4815.6
1608.0	1962.0	2373.6	2852.4	3396.0	3980.4	4861.2
1413.6	1765.2	2186.4	2700.0	3286.8	3925.2	4852.8
1281.6	1602.0	2014.8	2545.2	3165.6	3852.0	4796.4
1204.8	1485.6	1879.2	2403.6	3055.2	3764.4	4725.6
1203.6	1450.8	1807.2	2302.8	2943.6	3667.2	4629.6
1245.6	1472.4	1798.8	2259.6	2882.4	3596.4	4525.2
1294.8	1532.4	1843.2	2275.2	2881.2	3565.2	4452.0
1372.8	1634.4	1940.4	2342.4	2912.4	3560.4	4362.0
1472.4	1772.4	2115.6	2508.0	3033.6	3655.2	4368.0
1574.4	1934.4	2344.8	2791.2	3272.4	3876.0	4557.6
1611.6	2059.2	2577.6	3123.6	3630.0	4207.2	4948.8
1579.2	2088.0	2719.2	3381.6	3978.0	4594.8	5415.6
1459.2	1971.6	2661.6	3454.8	4178.4	4869.6	5882.4
1201.2	1682.4	2400.0	3290.4	4162.8	4926.0	6050.4
880.8	1304.4	1951.2	2796.0	3700.8	4573.2	5798.4
636.0	922.8	1408.8	2106.0	2925.6	3682.8	4863.6
456.0	639.6	914.4	1383.6	1993.2	2564.4	3466.8
327.6	434.4	570.0	830.4	1214.4	1574.4	2178.0
241.2	297.6	374.4	516.0	715.2	916.8	1311.6
164.4	175.2	225.6	304.8	469.2	674.4	890.4
62.4	70.8	82.8	124.8	210.0	241.2	170.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)