

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: NEO-RAY

Report Number: P333630-840

Luminaire Tested: **S125RDIP-S1270D1035U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333630-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1270D1035U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8720.8 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

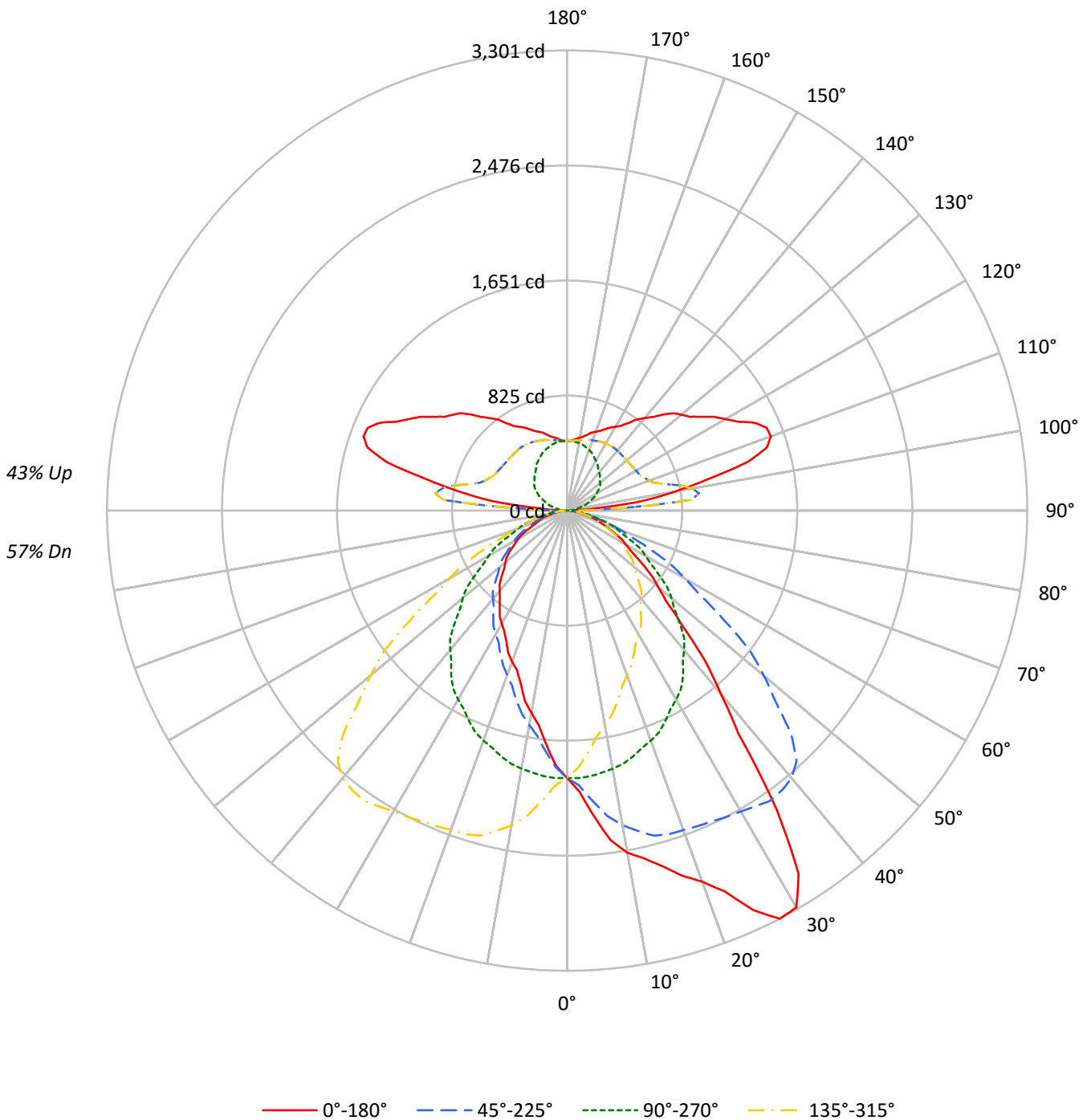
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57
1	100	96	92	89	93	89	86	83	77	75	73	66	65	63	56	55	54	49
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46	42
3	84	74	67	61	78	70	63	58	61	56	52	52	49	46	45	42	40	36
4	77	66	58	52	71	62	55	50	54	49	44	47	43	39	40	37	34	31
5	70	59	51	45	65	55	48	43	49	43	39	42	38	34	36	33	30	27
6	65	53	45	39	60	50	43	37	44	38	34	38	34	30	33	29	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	44	36	31	52	41	34	29	36	31	27	32	27	24	28	24	21	19
9	52	40	32	27	49	38	31	26	33	28	24	29	25	22	26	22	19	17
10	49	37	29	25	45	35	28	24	31	25	22	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12385	12385	12385	12385
5°	14249	12401	10952	12401
10°	16344	12338	9664	12338
15°	17653	12211	8590	12211
20°	19467	12065	7932	12065
25°	22528	11870	7360	11870
30°	24515	11665	6986	11665
35°	20679	11427	6641	11427
40°	14441	10997	6345	10997
45°	10714	10418	6054	10418
50°	8542	9815	5805	9815
55°	7250	9067	5584	9067
60°	6263	8400	5227	8400
65°	5582	7674	4499	7674
70°	4904	7030	4101	7030
75°	4245	6089	3850	6089
80°	3217	5121	3217	5121
85°	2690	4024	3031	4024



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	2.1
10°-20°	538.9	6.2
20°-30°	854.5	9.8
30°-40°	1030.4	11.8
40°-50°	920.2	10.6
50°-60°	705.7	8.1
60°-70°	458.6	5.3
70°-80°	223.0	2.6
80°-90°	56.0	0.6
90°-100°	362.4	4.2
100°-110°	779.1	8.9
110°-120°	731.2	8.4
120°-130°	592.6	6.8
130°-140°	475.6	5.5
140°-150°	358.9	4.1
150°-160°	252.6	2.9
160°-170°	148.9	1.7
170°-180°	48.4	0.6
0°-30°	1577.3	18.1
0°-40°	2607.7	29.9
0°-60°	4233.5	48.5
0°-90°	4971.1	57.0
90°-120°	1872.8	21.5
90°-150°	3299.8	37.8
90°-180°	3750.0	43.0
0°-180°	8720.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1918	1918	1918	1918	1918	
5°	2198	1913	1689	1913	2198	220
15°	2640	1826	1285	1826	2640	757
25°	3161	1666	1033	1666	3161	1452
35°	2623	1449	842	1449	2623	1584
45°	1173	1141	663	1141	1173	936
55°	644	805	496	805	644	584
65°	365	502	294	502	365	363
75°	170	244	154	244	170	181
85°	36	54	41	54	36	42
90°	23	1	23	1	23	18
95°	237	33	237	33	237	336
105°	1336	114	1336	114	1336	1328
115°	1488	204	1488	204	1488	1454
125°	1172	282	1172	282	1172	1061
135°	974	331	974	331	974	755
145°	768	385	768	385	768	488
155°	644	440	644	440	644	300
165°	564	480	564	480	564	161
175°	507	499	507	499	507	49
180°	500	500	500	500	500	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2017.1	2015.9	2018.4	2011.4	2012.1	2001.4	2001.4	1993.2	1982.5	1974.3	1970.5
5°	2197.9	2199.5	2196.3	2184.4	2176.7	2164.8	2151.4	2127.8	2108.1	2089.2	2074.3
7.5°	2384.0	2385.1	2374.7	2371.1	2351.2	2336.7	2306.9	2274.8	2246.3	2210.2	2182.4
10°	2492.2	2491.5	2480.4	2471.8	2454.5	2432.5	2403.4	2365.5	2330.2	2290.8	2253.0
12.5°	2555.3	2553.2	2549.7	2539.2	2523.1	2503.7	2478.9	2441.8	2398.1	2355.0	2310.9
15°	2640.3	2634.7	2624.5	2611.1	2588.3	2565.5	2537.9	2504.9	2463.2	2414.4	2373.4
17.5°	2745.4	2745.6	2729.9	2711.3	2680.3	2640.0	2597.5	2544.1	2487.4	2433.7	2390.1
20°	2832.4	2829.9	2814.3	2778.0	2742.6	2692.2	2643.4	2578.1	2508.8	2438.7	2384.4
22.5°	2957.1	2950.9	2934.6	2887.0	2832.1	2767.1	2692.5	2612.7	2529.0	2449.4	2378.1
25°	3161.4	3156.6	3124.4	3069.3	2992.1	2892.2	2794.6	2685.1	2564.8	2460.0	2373.4
27.5°	3301.2	3296.0	3272.1	3226.3	3155.1	3049.9	2917.8	2771.6	2621.2	2477.2	2352.3
30°	3287.3	3299.1	3296.0	3274.8	3221.3	3126.7	3004.8	2840.2	2661.5	2492.2	2343.5
32.5°	3089.6	3100.2	3127.9	3169.6	3172.7	3134.9	3043.8	2891.8	2706.8	2514.4	2336.5
35°	2622.9	2637.2	2690.7	2774.9	2885.1	2977.2	2996.1	2914.3	2748.1	2541.1	2326.2
37.5°	2016.5	2094.0	2139.0	2227.7	2394.2	2563.6	2726.5	2786.5	2715.8	2530.1	2309.4
40°	1712.9	1731.8	1812.1	1912.1	2052.2	2228.6	2460.8	2628.5	2633.9	2504.9	2282.9
42.5°	1466.1	1490.1	1545.1	1625.0	1744.9	1921.3	2161.0	2382.3	2484.8	2435.6	2248.3
45°	1173.0	1191.0	1231.2	1292.6	1384.7	1530.3	1736.6	1992.4	2195.5	2275.0	2155.4
47.5°	963.5	973.3	1008.2	1055.0	1123.2	1229.3	1389.0	1611.0	1854.6	2025.5	2008.6
50°	850.2	861.2	888.0	923.4	980.9	1070.6	1198.1	1383.1	1634.3	1842.8	1884.6
52.5°	762.0	771.1	787.8	821.3	868.8	937.8	1040.7	1208.0	1434.0	1655.8	1752.3
55°	643.9	650.3	663.6	682.5	720.3	769.9	858.8	974.5	1157.2	1380.8	1522.5
57.5°	546.6	549.8	558.3	575.7	601.9	638.1	702.4	800.4	931.4	1132.8	1289.1
60°	484.9	488.1	499.1	510.9	531.4	564.4	614.8	683.3	809.2	975.3	1133.6
62.5°	435.8	437.7	442.4	454.2	472.2	497.7	537.3	593.2	693.4	839.3	988.8
65°	365.3	366.1	367.6	377.1	388.1	407.0	432.9	472.3	547.9	658.1	790.3
67.5°	297.6	298.6	304.2	307.5	319.0	328.9	344.2	374.3	427.5	501.8	604.6
70°	259.7	259.0	264.5	268.4	272.4	284.2	294.4	318.8	351.8	408.6	494.3
72.5°	224.5	222.5	224.8	226.2	231.5	239.4	249.7	264.7	290.1	329.2	394.9
75°	170.1	170.9	170.9	172.4	176.3	179.5	182.6	190.5	204.7	230.7	266.1
77.5°	119.4	118.1	121.4	121.9	124.2	127.6	130.4	133.5	139.4	150.1	168.3
80°	86.5	86.5	87.4	89.8	89.0	90.5	94.4	97.7	104.7	111.0	117.2
82.5°	66.4	65.8	66.6	67.1	67.0	68.5	69.9	70.5	73.2	76.3	80.8
85°	36.3	36.3	37.0	37.0	37.8	37.8	38.6	38.6	38.6	39.4	40.2
87.5°	18.5	17.9	17.1	17.1	17.7	18.5	17.7	16.9	16.7	16.5	16.7
90°	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2	17.2	16.2	14.1
92.5°	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6	263.1	325.0	330.2
95°	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9	874.0	893.2	728.9
97.5°	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5	1105.9	953.9	650.9
100°	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0	1162.4	910.3	580.7
102.5°	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0	1128.5	833.7	527.5
105°	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1	1020.3	730.8	475.8
107.5°	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4	909.7	660.1	454.0
110°	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6	846.8	627.0	447.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5	800.0	607.7	447.6
115°	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3	749.0	586.7	450.6
117.5°	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7	718.6	576.4	457.3
120°	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7	701.7	571.6	463.7
122.5°	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9	687.1	567.5	469.4
125°	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3	667.4	562.5	478.9
127.5°	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0	649.2	560.1	489.6
130°	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9	637.1	558.5	496.0
132.5°	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7	627.4	558.5	503.2
135°	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4	615.9	558.5	513.1
137.5°	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3	605.7	559.7	522.2
140°	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2	600.9	560.5	526.2
142.5°	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7	596.8	561.3	528.7
145°	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0	590.8	560.5	531.3
147.5°	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2	584.5	557.8	532.3
150°	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9	579.7	555.4	532.3
152.5°	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8	574.0	552.3	531.5
155°	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7	564.5	546.4	529.3
157.5°	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6	555.6	540.4	526.6
160°	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5	548.5	536.3	524.2
162.5°	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7	542.0	531.5	521.8
165°	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4	532.3	524.2	518.2
167.5°	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7	522.8	517.2	512.5
170°	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2	517.2	513.1	510.1
172.5°	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9	511.5	508.3	506.9
175°	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1	504.0	503.0	503.0
177.5°	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6	500.8	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1970.5	1966.1	1957.9	1950.4	1941.0	1932.8	1927.0	1920.2	1911.4	1900.7	1891.8
5°	2057.7	2040.4	2017.6	1997.9	1972.8	1953.1	1932.6	1912.9	1893.2	1868.0	1846.0
7.5°	2154.4	2118.7	2083.9	2040.1	2000.4	1965.0	1931.0	1896.5	1862.8	1827.0	1792.6
10°	2213.6	2170.3	2122.3	2067.2	2016.8	1968.8	1924.7	1881.4	1835.7	1795.6	1752.3
12.5°	2269.1	2213.1	2158.2	2088.6	2028.1	1969.4	1913.4	1859.4	1810.6	1758.5	1712.0
15°	2319.1	2264.0	2202.6	2117.6	2033.4	1962.5	1896.3	1826.3	1765.6	1707.5	1655.5
17.5°	2338.4	2280.7	2209.4	2127.7	2035.6	1946.4	1861.3	1784.4	1713.1	1645.3	1586.8
20°	2330.9	2275.0	2201.8	2123.8	2025.5	1932.6	1840.5	1755.4	1676.0	1604.3	1542.2
22.5°	2312.7	2254.8	2184.1	2101.8	2008.4	1910.0	1811.5	1720.8	1637.5	1563.4	1495.5
25°	2285.2	2206.6	2134.1	2053.8	1964.9	1867.2	1765.6	1665.7	1576.8	1501.2	1427.2
27.5°	2256.7	2158.5	2066.4	1986.6	1892.6	1805.5	1707.6	1605.1	1511.6	1434.6	1358.7
30°	2230.9	2120.7	2019.1	1928.6	1839.7	1757.1	1664.2	1564.2	1468.1	1388.7	1311.5
32.5°	2198.8	2081.6	1970.0	1865.6	1779.9	1697.9	1613.8	1518.2	1424.7	1342.6	1264.3
35°	2158.5	2008.9	1887.7	1776.8	1681.4	1601.9	1526.4	1449.3	1355.5	1270.5	1194.2
37.5°	2105.6	1935.9	1795.6	1674.7	1574.3	1494.4	1434.7	1364.2	1278.7	1197.3	1126.5
40°	2073.5	1883.0	1729.5	1609.8	1504.3	1420.1	1364.2	1304.4	1226.5	1150.1	1079.2
42.5°	2030.6	1834.5	1662.7	1538.0	1431.9	1350.8	1294.3	1242.0	1176.7	1104.8	1028.9
45°	1946.7	1740.5	1560.2	1426.4	1319.4	1239.8	1187.1	1140.6	1091.1	1024.9	958.8
47.5°	1837.4	1642.4	1453.8	1307.7	1202.9	1129.0	1077.8	1041.2	1005.7	949.5	885.2
50°	1750.0	1561.9	1377.6	1235.9	1124.1	1054.1	1006.0	976.9	944.6	893.4	839.9
52.5°	1646.7	1478.6	1298.3	1153.4	1047.9	982.3	936.1	907.1	880.4	838.7	787.7
55°	1483.9	1336.7	1171.3	1039.9	943.1	877.0	832.8	805.3	789.6	754.2	714.0
57.5°	1296.1	1190.5	1044.8	918.1	832.4	767.1	734.8	711.3	693.6	668.5	640.2
60°	1165.1	1091.1	960.4	839.9	761.2	699.0	669.9	650.3	633.7	612.5	590.4
62.5°	1032.2	978.4	864.6	761.2	688.8	636.7	609.5	591.7	572.6	558.3	536.8
65°	854.1	806.1	727.4	646.3	579.4	537.7	518.0	502.2	490.4	474.6	459.7
67.5°	664.4	644.9	590.6	534.6	486.7	449.5	432.5	421.5	407.3	397.9	387.6
70°	547.9	538.5	499.9	462.9	418.0	392.8	377.1	372.3	355.1	345.6	338.5
72.5°	444.6	440.2	418.0	392.3	360.7	338.6	324.2	318.8	307.8	300.2	295.7
75°	304.7	306.2	302.3	285.8	274.0	259.7	247.2	244.0	236.2	229.8	225.9
77.5°	192.7	200.8	201.1	200.3	195.5	186.9	181.7	179.4	171.6	169.3	168.3
80°	132.3	140.9	148.8	147.9	146.4	144.1	140.2	137.7	133.8	131.5	129.9
82.5°	88.2	96.2	102.8	107.0	106.7	104.4	101.7	100.6	99.8	98.1	97.8
85°	41.7	43.3	45.6	51.2	55.1	55.8	55.1	54.3	51.9	52.7	53.5
87.5°	17.1	16.7	17.2	16.8	15.7	18.5	19.9	20.4	19.3	18.5	17.6
90°	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0	2.0	4.0	6.1
92.5°	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3	14.9	23.4	35.9
95°	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2	34.2	42.3	53.4
97.5°	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2	56.5	62.1	73.2
100°	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6	72.6	76.6	87.7
102.5°	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6	88.7	91.9	103.8
105°	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9	113.9	119.0	129.1
107.5°	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8	141.8	146.5	154.8
110°	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2	160.3	164.3	173.4



TEST NUMBER: P333630-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8	178.8	182.1	191.2
115°	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7	205.6	208.6	217.7
117.5°	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8	230.9	234.1	243.2
120°	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0	247.0	251.1	260.1
122.5°	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9	263.1	266.3	275.4
125°	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3	284.3	289.3	298.4
127.5°	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0	302.1	308.5	320.0
130°	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5	312.6	320.6	333.7
132.5°	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6	321.3	331.0	345.8
135°	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6	334.7	346.8	362.9
137.5°	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2	350.2	361.5	377.7
140°	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9	359.9	372.0	388.1
142.5°	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2	370.4	381.6	397.8
145°	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1	387.1	397.2	411.3
147.5°	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8	404.0	412.7	425.9
150°	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3	415.4	422.4	435.6
152.5°	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6	425.9	432.1	443.5
155°	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5	439.5	445.6	455.7
157.5°	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8	452.6	457.5	466.2
160°	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7	460.7	464.7	471.8
162.5°	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0	468.0	472.0	478.3
165°	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9	477.9	480.9	485.9
167.5°	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2	486.1	488.0	490.8
170°	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0	491.0	492.0	494.0
172.5°	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2	493.4	494.4	496.3
175°	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0	497.0	498.0	499.0
177.5°	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8	499.2	499.2	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333630-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1885.5	1876.7	1870.4	1857.7	1849.0	1845.2	1838.3	1836.3	1843.3	1838.3	1837.7
5°	1829.5	1806.6	1788.6	1770.4	1750.7	1738.2	1719.3	1716.1	1711.4	1704.2	1702.7
7.5°	1762.2	1732.5	1709.2	1679.3	1653.3	1632.3	1608.7	1597.5	1591.4	1582.3	1570.0
10°	1716.9	1681.4	1650.0	1620.0	1587.8	1561.9	1538.2	1520.0	1508.2	1497.2	1492.6
12.5°	1672.1	1636.1	1595.8	1559.6	1523.6	1494.4	1468.2	1456.5	1443.4	1430.5	1419.5
15°	1602.8	1554.7	1510.7	1468.9	1438.2	1406.7	1381.5	1364.2	1344.5	1339.1	1317.8
17.5°	1529.0	1482.0	1430.4	1386.4	1350.8	1316.2	1288.5	1268.8	1254.1	1233.8	1224.0
20°	1483.1	1427.2	1376.8	1336.7	1297.3	1256.4	1228.0	1211.5	1197.3	1180.8	1173.0
22.5°	1434.0	1379.4	1327.7	1280.6	1240.6	1200.3	1180.1	1163.1	1146.9	1131.7	1121.3
25°	1361.9	1306.8	1252.4	1203.7	1162.0	1132.8	1109.1	1089.4	1080.9	1065.9	1054.8
27.5°	1290.5	1231.9	1175.6	1126.9	1094.2	1065.4	1046.0	1030.5	1014.8	1001.8	992.2
30°	1244.6	1184.8	1123.4	1084.8	1050.2	1022.6	1001.3	986.3	974.5	962.7	955.6
32.5°	1198.6	1136.9	1082.4	1040.7	1007.9	984.1	962.3	948.0	935.5	922.4	914.1
35°	1124.9	1062.0	1017.8	976.9	944.6	922.6	907.7	887.2	877.0	867.5	858.8
37.5°	1056.4	997.8	950.2	914.2	886.3	864.3	845.0	833.9	821.3	812.8	805.7
40°	1006.0	952.5	909.2	871.4	851.0	826.6	808.5	794.3	784.9	773.9	766.0
42.5°	960.7	911.0	868.9	835.0	809.4	788.8	771.3	757.1	745.2	737.3	730.6
45°	896.7	847.1	806.1	774.6	751.0	731.3	713.2	706.1	690.3	681.0	677.8
47.5°	830.3	786.0	746.4	717.4	693.2	674.6	657.6	643.2	634.5	625.2	620.2
50°	785.7	743.2	706.1	677.8	654.2	633.7	617.9	608.5	596.7	588.0	581.8
52.5°	740.9	701.6	664.6	637.4	617.0	596.5	579.0	569.5	558.3	552.8	548.4
55°	677.0	635.3	603.8	577.0	555.7	536.8	520.4	510.9	503.8	498.3	496.8
57.5°	604.6	571.5	542.2	518.2	496.0	478.3	463.8	454.8	448.6	447.8	443.0
60°	557.3	527.5	500.7	474.6	455.8	439.3	426.7	416.5	410.1	409.3	407.8
62.5°	510.1	481.4	456.6	433.7	416.8	400.8	388.9	377.4	373.7	369.7	366.2
65°	440.0	414.0	393.6	375.5	357.4	344.0	332.2	325.1	316.5	311.7	303.1
67.5°	371.2	351.1	331.4	316.2	301.9	289.2	279.4	268.9	263.1	259.3	253.0
70°	325.9	310.1	290.4	274.0	263.0	252.7	244.8	233.0	229.0	225.9	222.8
72.5°	283.1	269.2	252.7	239.3	228.3	218.6	209.5	204.0	200.2	196.9	195.1
75°	222.8	209.4	195.2	185.8	177.9	170.1	165.3	161.4	159.8	159.1	155.8
77.5°	163.6	156.5	145.1	137.6	132.4	129.3	125.0	123.0	122.8	119.4	118.3
80°	125.1	121.2	111.8	108.7	104.7	101.6	99.2	95.2	91.3	89.8	87.4
82.5°	93.0	89.1	85.3	80.3	77.0	75.1	72.7	71.3	71.8	69.6	68.5
85°	49.6	45.6	44.1	43.3	41.7	43.3	42.5	41.7	40.9	40.2	40.9
87.5°	17.4	17.8	17.4	19.0	17.3	18.4	18.6	18.1	18.3	18.5	18.3
90°	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2	19.2	20.2	22.2
92.5°	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6	129.7	97.6	82.7
95°	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9	571.6	447.6	362.9
97.5°	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5	972.0	851.2	733.5
100°	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0	1190.6	1086.7	981.9
102.5°	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0	1324.4	1274.7	1203.7
105°	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1	1400.3	1444.6	1433.5
107.5°	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4	1332.7	1446.6	1499.2
110°	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6	1256.1	1398.3	1484.0



TEST NUMBER: P333630-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5	1180.3	1324.0	1425.1
115°	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3	1071.7	1209.7	1319.6
117.5°	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7	996.4	1115.4	1216.2
120°	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7	953.7	1064.6	1153.3
122.5°	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9	923.0	1021.8	1104.9
125°	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3	882.1	969.8	1042.4
127.5°	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0	843.0	924.8	992.8
130°	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9	815.6	894.2	959.8
132.5°	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7	789.7	861.1	924.2
135°	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4	750.0	814.6	872.0
137.5°	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3	714.6	768.2	817.0
140°	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2	693.6	739.9	782.3
142.5°	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7	675.8	715.8	752.5
145°	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0	653.3	684.5	711.8
147.5°	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2	634.5	658.5	679.0
150°	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9	624.0	643.2	661.4
152.5°	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8	613.5	631.1	645.2
155°	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7	597.8	612.0	623.0
157.5°	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6	582.9	593.8	602.5
160°	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5	571.6	581.7	588.8
162.5°	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7	561.9	570.4	576.6
165°	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4	547.4	553.5	558.5
167.5°	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7	533.3	538.0	541.6
170°	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2	525.2	528.3	530.3
172.5°	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9	518.0	520.2	521.4
175°	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1	507.1	509.1	509.1
177.5°	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6	502.4	502.4	502.4
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333630-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1837.0	1830.1	1828.2	1830.7	1828.2	1830.1	1837.0	1837.7	1838.3	1843.3	1836.3
5°	1694.9	1687.0	1690.9	1689.3	1690.9	1687.0	1694.9	1702.7	1704.2	1711.4	1716.1
7.5°	1569.8	1560.0	1549.6	1553.0	1549.6	1560.0	1569.8	1570.0	1582.3	1591.4	1597.5
10°	1482.3	1474.4	1469.7	1473.6	1469.7	1474.4	1482.3	1492.6	1497.2	1508.2	1520.0
12.5°	1408.7	1403.9	1399.8	1398.1	1399.8	1403.9	1408.7	1419.5	1430.5	1443.4	1456.5
15°	1308.3	1298.9	1294.9	1284.8	1294.9	1298.9	1308.3	1317.8	1339.1	1344.5	1364.2
17.5°	1215.9	1212.7	1202.5	1198.1	1202.5	1212.7	1215.9	1224.0	1233.8	1254.1	1268.8
20°	1161.1	1158.0	1147.7	1154.1	1147.7	1158.0	1161.1	1173.0	1180.8	1197.3	1211.5
22.5°	1115.8	1108.8	1105.5	1103.7	1105.5	1108.8	1115.8	1121.3	1131.7	1146.9	1163.1
25°	1051.7	1041.5	1037.5	1032.8	1037.5	1041.5	1051.7	1054.8	1065.9	1080.9	1089.4
27.5°	987.7	982.3	977.0	975.8	977.0	982.3	987.7	992.2	1001.8	1014.8	1030.5
30°	946.2	940.7	936.8	936.8	936.8	940.7	946.2	955.6	962.7	974.5	986.3
32.5°	909.1	904.8	900.9	900.3	900.9	904.8	909.1	914.1	922.4	935.5	948.0
35°	855.0	848.6	847.1	842.3	847.1	848.6	855.0	858.8	867.5	877.0	887.2
37.5°	798.7	793.5	793.3	792.8	793.3	793.5	798.7	805.7	812.8	821.3	833.9
40°	762.8	758.8	758.1	752.6	758.1	758.8	762.8	766.0	773.9	784.9	794.3
42.5°	724.4	722.4	719.6	717.3	719.6	722.4	724.4	730.6	737.3	745.2	757.1
45°	672.3	666.7	666.7	662.8	666.7	666.7	672.3	677.8	681.0	690.3	706.1
47.5°	618.4	614.2	614.6	610.6	614.6	614.2	618.4	620.2	625.2	634.5	643.2
50°	582.5	580.2	579.4	577.8	579.4	580.2	582.5	581.8	588.0	596.7	608.5
52.5°	546.6	545.5	548.6	545.0	548.6	545.5	546.6	548.4	552.8	558.3	569.5
55°	498.3	495.9	500.7	495.9	500.7	495.9	498.3	496.8	498.3	503.8	510.9
57.5°	442.7	440.5	444.7	442.4	444.7	440.5	442.7	443.0	447.8	448.6	454.8
60°	406.2	401.5	403.8	404.7	403.8	401.5	406.2	407.8	409.3	410.1	416.5
62.5°	362.7	359.9	361.6	358.0	361.6	359.9	362.7	366.2	369.7	373.7	377.4
65°	301.5	299.1	296.0	294.4	296.0	299.1	301.5	303.1	311.7	316.5	325.1
67.5°	253.3	247.6	247.5	248.7	247.5	247.6	253.3	253.0	259.3	263.1	268.9
70°	218.0	218.0	217.2	217.2	217.2	218.0	218.0	222.8	225.9	229.0	233.0
72.5°	193.5	192.9	191.5	190.9	191.5	192.9	193.5	195.1	196.9	200.2	204.0
75°	155.8	156.6	155.1	154.3	155.1	156.6	155.8	155.8	159.1	159.8	161.4
77.5°	115.1	111.8	113.5	111.8	113.5	111.8	115.1	118.3	119.4	122.8	123.0
80°	87.4	86.5	89.0	86.5	89.0	86.5	87.4	87.4	89.8	91.3	95.2
82.5°	69.1	68.4	69.5	67.7	69.5	68.4	69.1	68.5	69.6	71.8	71.3
85°	41.7	40.9	40.2	40.9	40.2	40.9	41.7	40.9	40.2	40.9	41.7
87.5°	18.9	18.3	18.5	18.5	18.5	18.3	18.9	18.3	18.5	18.3	18.1
90°	22.2	22.2	23.2	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2
92.5°	69.8	67.4	65.9	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6
95°	291.3	261.2	253.1	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9
97.5°	671.3	614.7	585.5	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5
100°	912.3	839.8	802.4	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0
102.5°	1129.3	1077.7	1037.1	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0
105°	1401.3	1368.1	1347.9	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1
107.5°	1515.6	1515.4	1508.7	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4
110°	1529.3	1548.4	1555.5	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6



TEST NUMBER: P333630-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1491.4	1524.3	1541.9	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5
115°	1398.3	1446.6	1474.9	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3
117.5°	1294.8	1344.8	1372.8	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7
120°	1227.9	1276.3	1303.5	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7
122.5°	1171.4	1215.8	1243.0	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9
125°	1098.8	1140.1	1162.4	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3
127.5°	1044.0	1080.5	1101.5	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0
130°	1010.2	1043.4	1063.6	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9
132.5°	974.6	1007.9	1026.4	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7
135°	916.4	949.7	967.8	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4
137.5°	856.7	887.0	903.7	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3
140°	819.6	845.9	860.9	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2
142.5°	784.2	806.3	820.6	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7
145°	735.9	753.1	764.2	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0
147.5°	698.2	712.0	718.4	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2
150°	676.4	688.5	692.6	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9
152.5°	657.9	667.6	671.6	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8
155°	633.1	640.2	643.2	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7
157.5°	610.4	616.1	618.9	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6
160°	595.8	600.9	602.9	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5
162.5°	582.1	586.3	586.7	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7
165°	562.5	564.5	564.5	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4
167.5°	543.6	545.4	544.6	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7
170°	532.3	533.3	533.3	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2
172.5°	521.8	523.6	522.0	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9
175°	509.1	510.1	508.1	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1
177.5°	501.6	502.4	500.0	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333630-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1838.3	1845.2	1849.0	1857.7	1870.4	1876.7	1885.5	1891.8	1900.7	1911.4	1920.2
5°	1719.3	1738.2	1750.7	1770.4	1788.6	1806.6	1829.5	1846.0	1868.0	1893.2	1912.9
7.5°	1608.7	1632.3	1653.3	1679.3	1709.2	1732.5	1762.2	1792.6	1827.0	1862.8	1896.5
10°	1538.2	1561.9	1587.8	1620.0	1650.0	1681.4	1716.9	1752.3	1795.6	1835.7	1881.4
12.5°	1468.2	1494.4	1523.6	1559.6	1595.8	1636.1	1672.1	1712.0	1758.5	1810.6	1859.4
15°	1381.5	1406.7	1438.2	1468.9	1510.7	1554.7	1602.8	1655.5	1707.5	1765.6	1826.3
17.5°	1288.5	1316.2	1350.8	1386.4	1430.4	1482.0	1529.0	1586.8	1645.3	1713.1	1784.4
20°	1228.0	1256.4	1297.3	1336.7	1376.8	1427.2	1483.1	1542.2	1604.3	1676.0	1755.4
22.5°	1180.1	1200.3	1240.6	1280.6	1327.7	1379.4	1434.0	1495.5	1563.4	1637.5	1720.8
25°	1109.1	1132.8	1162.0	1203.7	1252.4	1306.8	1361.9	1427.2	1501.2	1576.8	1665.7
27.5°	1046.0	1065.4	1094.2	1126.9	1175.6	1231.9	1290.5	1358.7	1434.6	1511.6	1605.1
30°	1001.3	1022.6	1050.2	1084.8	1123.4	1184.8	1244.6	1311.5	1388.7	1468.1	1564.2
32.5°	962.3	984.1	1007.9	1040.7	1082.4	1136.9	1198.6	1264.3	1342.6	1424.7	1518.2
35°	907.7	922.6	944.6	976.9	1017.8	1062.0	1124.9	1194.2	1270.5	1355.5	1449.3
37.5°	845.0	864.3	886.3	914.2	950.2	997.8	1056.4	1126.5	1197.3	1278.7	1364.2
40°	808.5	826.6	851.0	871.4	909.2	952.5	1006.0	1079.2	1150.1	1226.5	1304.4
42.5°	771.3	788.8	809.4	835.0	868.9	911.0	960.7	1028.9	1104.8	1176.7	1242.0
45°	713.2	731.3	751.0	774.6	806.1	847.1	896.7	958.8	1024.9	1091.1	1140.6
47.5°	657.6	674.6	693.2	717.4	746.4	786.0	830.3	885.2	949.5	1005.7	1041.2
50°	617.9	633.7	654.2	677.8	706.1	743.2	785.7	839.9	893.4	944.6	976.9
52.5°	579.0	596.5	617.0	637.4	664.6	701.6	740.9	787.7	838.7	880.4	907.1
55°	520.4	536.8	555.7	577.0	603.8	635.3	677.0	714.0	754.2	789.6	805.3
57.5°	463.8	478.3	496.0	518.2	542.2	571.5	604.6	640.2	668.5	693.6	711.3
60°	426.7	439.3	455.8	474.6	500.7	527.5	557.3	590.4	612.5	633.7	650.3
62.5°	388.9	400.8	416.8	433.7	456.6	481.4	510.1	536.8	558.3	572.6	591.7
65°	332.2	344.0	357.4	375.5	393.6	414.0	440.0	459.7	474.6	490.4	502.2
67.5°	279.4	289.2	301.9	316.2	331.4	351.1	371.2	387.6	397.9	407.3	421.5
70°	244.8	252.7	263.0	274.0	290.4	310.1	325.9	338.5	345.6	355.1	372.3
72.5°	209.5	218.6	228.3	239.3	252.7	269.2	283.1	295.7	300.2	307.8	318.8
75°	165.3	170.1	177.9	185.8	195.2	209.4	222.8	225.9	229.8	236.2	244.0
77.5°	125.0	129.3	132.4	137.6	145.1	156.5	163.6	168.3	169.3	171.6	179.4
80°	99.2	101.6	104.7	108.7	111.8	121.2	125.1	129.9	131.5	133.8	137.7
82.5°	72.7	75.1	77.0	80.3	85.3	89.1	93.0	97.8	98.1	99.8	100.6
85°	42.5	43.3	41.7	43.3	44.1	45.6	49.6	53.5	52.7	51.9	54.3
87.5°	18.6	18.4	17.3	19.0	17.4	17.8	17.4	17.6	18.5	19.3	20.4
90°	17.2	16.2	14.1	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0
92.5°	263.1	325.0	330.2	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3
95°	874.0	893.2	728.9	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2
97.5°	1105.9	953.9	650.9	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2
100°	1162.4	910.3	580.7	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6
102.5°	1128.5	833.7	527.5	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6
105°	1020.3	730.8	475.8	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9
107.5°	909.7	660.1	454.0	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8
110°	846.8	627.0	447.6	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	800.0	607.7	447.6	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8
115°	749.0	586.7	450.6	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7
117.5°	718.6	576.4	457.3	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8
120°	701.7	571.6	463.7	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0
122.5°	687.1	567.5	469.4	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9
125°	667.4	562.5	478.9	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3
127.5°	649.2	560.1	489.6	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0
130°	637.1	558.5	496.0	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5
132.5°	627.4	558.5	503.2	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6
135°	615.9	558.5	513.1	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6
137.5°	605.7	559.7	522.2	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2
140°	600.9	560.5	526.2	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9
142.5°	596.8	561.3	528.7	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2
145°	590.8	560.5	531.3	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1
147.5°	584.5	557.8	532.3	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8
150°	579.7	555.4	532.3	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3
152.5°	574.0	552.3	531.5	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6
155°	564.5	546.4	529.3	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5
157.5°	555.6	540.4	526.6	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8
160°	548.5	536.3	524.2	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7
162.5°	542.0	531.5	521.8	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0
165°	532.3	524.2	518.2	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9
167.5°	522.8	517.2	512.5	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2
170°	517.2	513.1	510.1	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0
172.5°	511.5	508.3	506.9	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2
175°	504.0	503.0	503.0	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0
177.5°	500.8	500.0	500.0	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333630-840

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1927.0	1932.8	1941.0	1950.4	1957.9	1966.1	1970.5	1970.5	1974.3	1982.5	1993.2
5°	1932.6	1953.1	1972.8	1997.9	2017.6	2040.4	2057.7	2074.3	2089.2	2108.1	2127.8
7.5°	1931.0	1965.0	2000.4	2040.1	2083.9	2118.7	2154.4	2182.4	2210.2	2246.3	2274.8
10°	1924.7	1968.8	2016.8	2067.2	2122.3	2170.3	2213.6	2253.0	2290.8	2330.2	2365.5
12.5°	1913.4	1969.4	2028.1	2088.6	2158.2	2213.1	2269.1	2310.9	2355.0	2398.1	2441.8
15°	1896.3	1962.5	2033.4	2117.6	2202.6	2264.0	2319.1	2373.4	2414.4	2463.2	2504.9
17.5°	1861.3	1946.4	2035.6	2127.7	2209.4	2280.7	2338.4	2390.1	2433.7	2487.4	2544.1
20°	1840.5	1932.6	2025.5	2123.8	2201.8	2275.0	2330.9	2384.4	2438.7	2508.8	2578.1
22.5°	1811.5	1910.0	2008.4	2101.8	2184.1	2254.8	2312.7	2378.1	2449.4	2529.0	2612.7
25°	1765.6	1867.2	1964.9	2053.8	2134.1	2206.6	2285.2	2373.4	2460.0	2564.8	2685.1
27.5°	1707.6	1805.5	1892.6	1986.6	2066.4	2158.5	2256.7	2352.3	2477.2	2621.2	2771.6
30°	1664.2	1757.1	1839.7	1928.6	2019.1	2120.7	2230.9	2343.5	2492.2	2661.5	2840.2
32.5°	1613.8	1697.9	1779.9	1865.6	1970.0	2081.6	2198.8	2336.5	2514.4	2706.8	2891.8
35°	1526.4	1601.9	1681.4	1776.8	1887.7	2008.9	2158.5	2326.2	2541.1	2748.1	2914.3
37.5°	1434.7	1494.4	1574.3	1674.7	1795.6	1935.9	2105.6	2309.4	2530.1	2715.8	2786.5
40°	1364.2	1420.1	1504.3	1609.8	1729.5	1883.0	2073.5	2282.9	2504.9	2633.9	2628.5
42.5°	1294.3	1350.8	1431.9	1538.0	1662.7	1834.5	2030.6	2248.3	2435.6	2484.8	2382.3
45°	1187.1	1239.8	1319.4	1426.4	1560.2	1740.5	1946.7	2155.4	2275.0	2195.5	1992.4
47.5°	1077.8	1129.0	1202.9	1307.7	1453.8	1642.4	1837.4	2008.6	2025.5	1854.6	1611.0
50°	1006.0	1054.1	1124.1	1235.9	1377.6	1561.9	1750.0	1884.6	1842.8	1634.3	1383.1
52.5°	936.1	982.3	1047.9	1153.4	1298.3	1478.6	1646.7	1752.3	1655.8	1434.0	1208.0
55°	832.8	877.0	943.1	1039.9	1171.3	1336.7	1483.9	1522.5	1380.8	1157.2	974.5
57.5°	734.8	767.1	832.4	918.1	1044.8	1190.5	1296.1	1289.1	1132.8	931.4	800.4
60°	669.9	699.0	761.2	839.9	960.4	1091.1	1165.1	1133.6	975.3	809.2	683.3
62.5°	609.5	636.7	688.8	761.2	864.6	978.4	1032.2	988.8	839.3	693.4	593.2
65°	518.0	537.7	579.4	646.3	727.4	806.1	854.1	790.3	658.1	547.9	472.3
67.5°	432.5	449.5	486.7	534.6	590.6	644.9	664.4	604.6	501.8	427.5	374.3
70°	377.1	392.8	418.0	462.9	499.9	538.5	547.9	494.3	408.6	351.8	318.8
72.5°	324.2	338.6	360.7	392.3	418.0	440.2	444.6	394.9	329.2	290.1	264.7
75°	247.2	259.7	274.0	285.8	302.3	306.2	304.7	266.1	230.7	204.7	190.5
77.5°	181.7	186.9	195.5	200.3	201.1	200.8	192.7	168.3	150.1	139.4	133.5
80°	140.2	144.1	146.4	147.9	148.8	140.9	132.3	117.2	111.0	104.7	97.7
82.5°	101.7	104.4	106.7	107.0	102.8	96.2	88.2	80.8	76.3	73.2	70.5
85°	55.1	55.8	55.1	51.2	45.6	43.3	41.7	40.2	39.4	38.6	38.6
87.5°	19.9	18.5	15.7	16.8	17.2	16.7	17.1	16.7	16.5	16.7	16.9
90°	2.0	4.0	6.1	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2
92.5°	14.9	23.4	35.9	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6
95°	34.2	42.3	53.4	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9
97.5°	56.5	62.1	73.2	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5
100°	72.6	76.6	87.7	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0
102.5°	88.7	91.9	103.8	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0
105°	113.9	119.0	129.1	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1
107.5°	141.8	146.5	154.8	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4
110°	160.3	164.3	173.4	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	178.8	182.1	191.2	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5
115°	205.6	208.6	217.7	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3
117.5°	230.9	234.1	243.2	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7
120°	247.0	251.1	260.1	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7
122.5°	263.1	266.3	275.4	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9
125°	284.3	289.3	298.4	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3
127.5°	302.1	308.5	320.0	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0
130°	312.6	320.6	333.7	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9
132.5°	321.3	331.0	345.8	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7
135°	334.7	346.8	362.9	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4
137.5°	350.2	361.5	377.7	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3
140°	359.9	372.0	388.1	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2
142.5°	370.4	381.6	397.8	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7
145°	387.1	397.2	411.3	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0
147.5°	404.0	412.7	425.9	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2
150°	415.4	422.4	435.6	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9
152.5°	425.9	432.1	443.5	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8
155°	439.5	445.6	455.7	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7
157.5°	452.6	457.5	466.2	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6
160°	460.7	464.7	471.8	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5
162.5°	468.0	472.0	478.3	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7
165°	477.9	480.9	485.9	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4
167.5°	486.1	488.0	490.8	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7
170°	491.0	492.0	494.0	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2
172.5°	493.4	494.4	496.3	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9
175°	497.0	498.0	499.0	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1
177.5°	499.2	499.2	500.0	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2001.4	2001.4	2012.1	2011.4	2018.4	2015.9	2017.1
5°	2151.4	2164.8	2176.7	2184.4	2196.3	2199.5	2197.9
7.5°	2306.9	2336.7	2351.2	2371.1	2374.7	2385.1	2384.0
10°	2403.4	2432.5	2454.5	2471.8	2480.4	2491.5	2492.2
12.5°	2478.9	2503.7	2523.1	2539.2	2549.7	2553.2	2555.3
15°	2537.9	2565.5	2588.3	2611.1	2624.5	2634.7	2640.3
17.5°	2597.5	2640.0	2680.3	2711.3	2729.9	2745.6	2745.4
20°	2643.4	2692.2	2742.6	2778.0	2814.3	2829.9	2832.4
22.5°	2692.5	2767.1	2832.1	2887.0	2934.6	2950.9	2957.1
25°	2794.6	2892.2	2992.1	3069.3	3124.4	3156.6	3161.4
27.5°	2917.8	3049.9	3155.1	3226.3	3272.1	3296.0	3301.2
30°	3004.8	3126.7	3221.3	3274.8	3296.0	3299.1	3287.3
32.5°	3043.8	3134.9	3172.7	3169.6	3127.9	3100.2	3089.6
35°	2996.1	2977.2	2885.1	2774.9	2690.7	2637.2	2622.9
37.5°	2726.5	2563.6	2394.2	2227.7	2139.0	2094.0	2016.5
40°	2460.8	2228.6	2052.2	1912.1	1812.1	1731.8	1712.9
42.5°	2161.0	1921.3	1744.9	1625.0	1545.1	1490.1	1466.1
45°	1736.6	1530.3	1384.7	1292.6	1231.2	1191.0	1173.0
47.5°	1389.0	1229.3	1123.2	1055.0	1008.2	973.3	963.5
50°	1198.1	1070.6	980.9	923.4	888.0	861.2	850.2
52.5°	1040.7	937.8	868.8	821.3	787.8	771.1	762.0
55°	858.8	769.9	720.3	682.5	663.6	650.3	643.9
57.5°	702.4	638.1	601.9	575.7	558.3	549.8	546.6
60°	614.8	564.4	531.4	510.9	499.1	488.1	484.9
62.5°	537.3	497.7	472.2	454.2	442.4	437.7	435.8
65°	432.9	407.0	388.1	377.1	367.6	366.1	365.3
67.5°	344.2	328.9	319.0	307.5	304.2	298.6	297.6
70°	294.4	284.2	272.4	268.4	264.5	259.0	259.7
72.5°	249.7	239.4	231.5	226.2	224.8	222.5	224.5
75°	182.6	179.5	176.3	172.4	170.9	170.9	170.1
77.5°	130.4	127.6	124.2	121.9	121.4	118.1	119.4
80°	94.4	90.5	89.0	89.8	87.4	86.5	86.5
82.5°	69.9	68.5	67.0	67.1	66.6	65.8	66.4
85°	38.6	37.8	37.8	37.0	37.0	36.3	36.3
87.5°	17.7	18.5	17.7	17.1	17.1	17.9	18.5
90°	19.2	20.2	22.2	22.2	22.2	23.2	23.2
92.5°	129.7	97.6	82.7	69.8	67.4	65.9	64.3
95°	571.6	447.6	362.9	291.3	261.2	253.1	236.9
97.5°	972.0	851.2	733.5	671.3	614.7	585.5	572.6
100°	1190.6	1086.7	981.9	912.3	839.8	802.4	786.4
102.5°	1324.4	1274.7	1203.7	1129.3	1077.7	1037.1	1025.0
105°	1400.3	1444.6	1433.5	1401.3	1368.1	1347.9	1335.7
107.5°	1332.7	1446.6	1499.2	1515.6	1515.4	1508.7	1500.7
110°	1256.1	1398.3	1484.0	1529.3	1548.4	1555.5	1555.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1180.3	1324.0	1425.1	1491.4	1524.3	1541.9	1549.0
115°	1071.7	1209.7	1319.6	1398.3	1446.6	1474.9	1488.0
117.5°	996.4	1115.4	1216.2	1294.8	1344.8	1372.8	1380.9
120°	953.7	1064.6	1153.3	1227.9	1276.3	1303.5	1311.6
122.5°	923.0	1021.8	1104.9	1171.4	1215.8	1243.0	1250.3
125°	882.1	969.8	1042.4	1098.8	1140.1	1162.4	1172.5
127.5°	843.0	924.8	992.8	1044.0	1080.5	1101.5	1105.9
130°	815.6	894.2	959.8	1010.2	1043.4	1063.6	1069.6
132.5°	789.7	861.1	924.2	974.6	1007.9	1026.4	1033.3
135°	750.0	814.6	872.0	916.4	949.7	967.8	973.8
137.5°	714.6	768.2	817.0	856.7	887.0	903.7	910.3
140°	693.6	739.9	782.3	819.6	845.9	860.9	866.0
142.5°	675.8	715.8	752.5	784.2	806.3	820.6	824.9
145°	653.3	684.5	711.8	735.9	753.1	764.2	768.2
147.5°	634.5	658.5	679.0	698.2	712.0	718.4	720.2
150°	624.0	643.2	661.4	676.4	688.5	692.6	693.6
152.5°	613.5	631.1	645.2	657.9	667.6	671.6	672.6
155°	597.8	612.0	623.0	633.1	640.2	643.2	644.2
157.5°	582.9	593.8	602.5	610.4	616.1	618.9	618.7
160°	571.6	581.7	588.8	595.8	600.9	602.9	601.9
162.5°	561.9	570.4	576.6	582.1	586.3	586.7	586.5
165°	547.4	553.5	558.5	562.5	564.5	564.5	564.5
167.5°	533.3	538.0	541.6	543.6	545.4	544.6	544.4
170°	525.2	528.3	530.3	532.3	533.3	533.3	532.3
172.5°	518.0	520.2	521.4	521.8	523.6	522.0	521.0
175°	507.1	509.1	509.1	509.1	510.1	508.1	507.1
177.5°	502.4	502.4	502.4	501.6	502.4	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0

(END OF REPORT)