

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: P333656-840

Luminaire Tested: **S125RDIW-S375D1560U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333656-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S375D1560U840-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7774.5 lumens  
Efficiency: N/A  
Efficacy: 145.6 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: Semi-Indirect

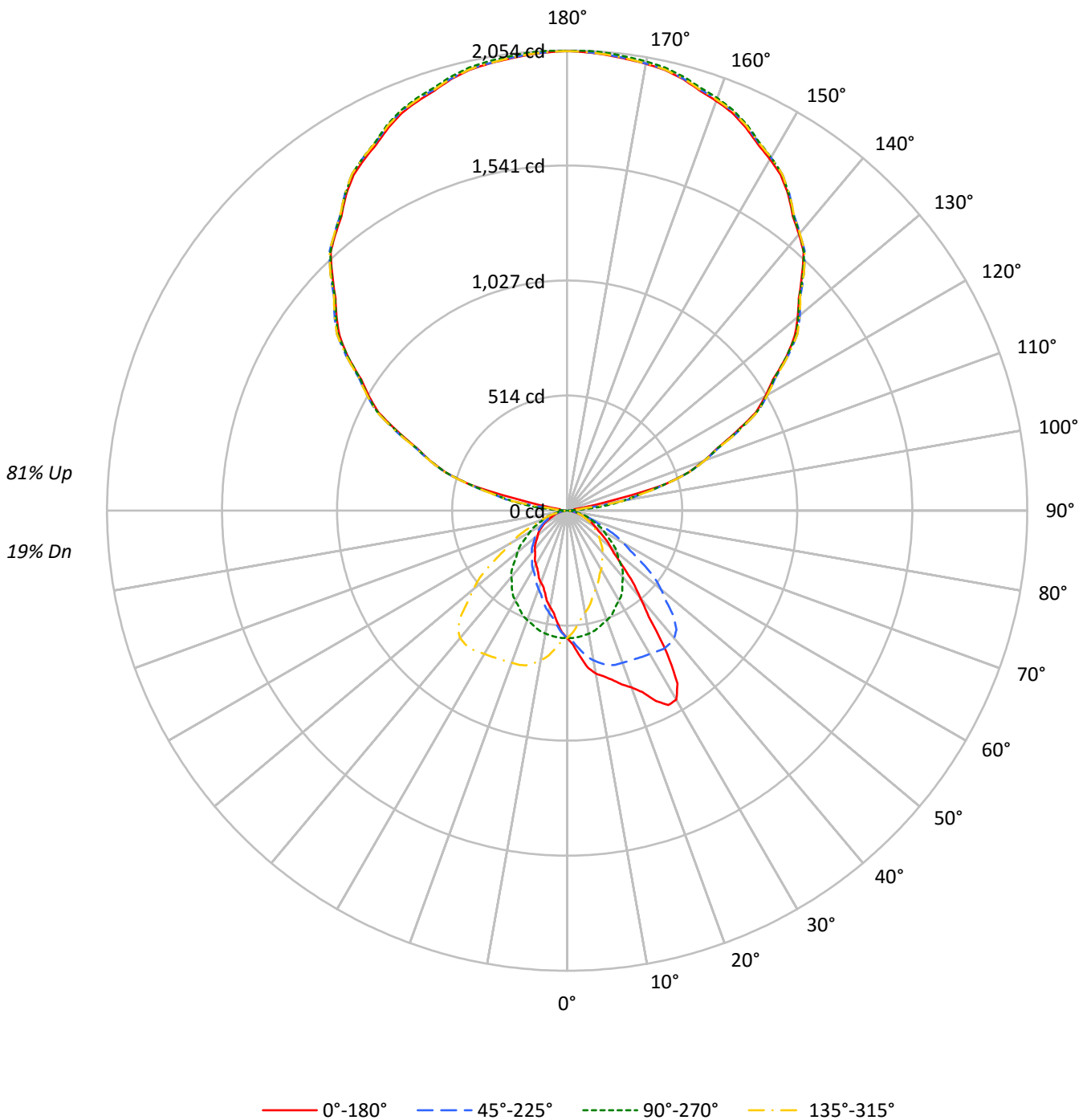
Input Watts (W): 53.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333656-840

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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	87	83	80	80	77	74	71	58	56	54	41	39	38	25	24	24	16				
2	83	76	70	65	73	67	63	59	51	48	45	36	34	32	22	21	20	14				
3	76	67	60	55	67	59	54	49	45	41	38	32	29	27	19	18	17	12				
4	69	59	52	46	61	52	46	41	40	36	32	28	26	23	17	16	15	10				
5	63	52	45	39	56	47	40	35	36	31	28	25	22	20	16	14	13	9				
6	58	47	39	34	51	42	35	31	32	27	24	23	20	18	14	13	11	8				
7	54	42	35	29	47	38	31	27	29	24	21	21	18	16	13	11	10	7				
8	50	38	31	26	44	34	28	23	26	22	18	19	16	14	12	10	9	6				
9	46	35	28	23	41	31	25	21	24	19	16	17	14	12	11	9	8	6				
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	8	7	5				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	0.7
10°-20°	159.7	2.1
20°-30°	253.3	3.3
30°-40°	305.4	3.9
40°-50°	272.8	3.5
50°-60°	209.2	2.7
60°-70°	135.9	1.7
70°-80°	66.1	0.9
80°-90°	20.0	0.3
90°-100°	74.5	1.0
100°-110°	459.3	5.9
110°-120°	833.0	10.7
120°-130°	1069.1	13.8
130°-140°	1149.9	14.8
140°-150°	1079.3	13.9
150°-160°	873.1	11.2
160°-170°	564.7	7.3
170°-180°	194.8	2.5
0°-30°	467.5	6.0
0°-40°	773.0	9.9
0°-60°	1254.9	16.1
0°-90°	1477.0	19.0
90°-120°	1366.8	17.6
90°-150°	4665.0	60.0
90°-180°	6298.0	81.0
0°-180°	7774.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
90°	36	2	36	2	36	16
95°	32	87	32	87	32	26
105°	452	447	452	447	452	408
115°	833	839	833	839	833	827
125°	1193	1193	1193	1193	1193	1062
135°	1482	1488	1482	1488	1482	1144
145°	1721	1726	1721	1726	1721	1075
155°	1886	1900	1886	1900	1886	869
165°	1994	2005	1994	2005	1994	563
175°	2042	2051	2042	2051	2042	194
180°	2051	2051	2051	2051	2051	



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	11.4	11.0	10.6	10.4	10.4	10.5	10.0	9.5	9.1	8.8	8.5
90°	36.5	35.4	34.4	33.4	32.4	31.1	29.4	27.7	26.1	24.3	21.9
92.5°	34.0	33.6	33.1	32.6	32.1	31.1	29.4	27.7	26.1	24.3	22.2
95°	31.9	31.9	31.9	31.9	31.9	31.1	29.4	27.7	26.1	24.3	37.2
97.5°	31.9	31.9	31.9	31.9	31.9	36.7	46.3	55.7	65.2	74.8	100.2
100°	31.9	33.3	34.6	36.0	37.4	63.2	113.5	163.8	214.2	264.5	263.2
102.5°	191.3	214.2	237.2	260.1	283.2	299.4	308.9	318.4	328.0	337.5	336.7
105°	451.5	451.8	452.2	452.5	452.8	453.0	453.0	453.0	453.0	453.0	453.0
107.5°	569.2	570.2	571.2	572.2	573.2	573.7	573.6	573.6	573.5	573.4	572.8
110°	650.7	650.4	649.9	649.6	649.3	649.6	650.7	651.7	652.7	653.7	653.0



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	723.6	724.1	724.6	725.1	725.5	726.4	727.7	728.9	730.2	731.5	731.1
115°	833.0	835.1	837.1	839.2	841.2	842.8	844.2	845.6	846.9	848.3	848.0
117.5°	949.8	950.7	951.6	952.5	953.3	954.6	956.4	958.2	959.9	961.7	960.4
120°	1021.6	1023.3	1024.9	1026.6	1028.3	1029.6	1030.2	1030.9	1031.6	1032.2	1031.2
122.5°	1089.6	1091.7	1093.6	1095.6	1097.5	1098.8	1099.5	1100.1	1100.9	1101.6	1101.1
125°	1193.4	1194.4	1195.4	1196.4	1197.4	1198.6	1199.9	1201.3	1202.6	1204.0	1204.0
127.5°	1280.6	1283.1	1285.7	1288.1	1290.6	1292.2	1293.0	1293.7	1294.4	1295.3	1295.5
130°	1343.8	1345.5	1347.3	1349.0	1350.6	1352.0	1353.0	1354.0	1355.0	1356.0	1355.6
132.5°	1402.2	1403.9	1405.6	1407.3	1409.0	1410.0	1410.2	1410.4	1410.6	1410.8	1411.5
135°	1482.2	1484.2	1486.2	1488.2	1490.3	1491.7	1492.4	1493.0	1493.7	1494.4	1495.0
137.5°	1562.5	1564.2	1566.0	1567.7	1569.5	1570.3	1570.1	1570.0	1569.9	1569.7	1570.3
140°	1609.9	1611.9	1614.0	1616.0	1618.0	1618.7	1618.0	1617.3	1616.7	1616.0	1616.3
142.5°	1654.9	1656.9	1658.9	1660.9	1663.0	1664.0	1663.9	1663.7	1663.6	1663.4	1662.9
145°	1720.9	1722.9	1725.0	1727.0	1729.0	1729.8	1729.5	1729.2	1728.8	1728.5	1728.5
147.5°	1775.3	1777.8	1780.2	1782.6	1785.0	1786.0	1785.6	1785.2	1784.8	1784.4	1784.0
150°	1810.6	1813.3	1815.9	1818.7	1821.4	1822.4	1821.7	1821.0	1820.4	1819.7	1819.0
152.5°	1843.4	1845.8	1848.3	1850.7	1853.1	1854.0	1853.3	1852.7	1852.0	1851.3	1850.7
155°	1886.5	1889.3	1892.0	1894.7	1897.3	1898.2	1897.2	1896.2	1895.2	1894.2	1893.5
157.5°	1922.8	1925.4	1928.1	1930.9	1933.6	1934.4	1933.3	1932.2	1931.2	1930.1	1930.0
160°	1945.9	1948.5	1951.3	1954.0	1956.7	1957.3	1956.0	1954.6	1953.3	1952.0	1951.6
162.5°	1966.5	1969.5	1972.5	1975.5	1978.4	1978.9	1977.1	1975.2	1973.3	1971.4	1971.1
165°	1994.5	1997.2	1999.9	2002.7	2005.3	2005.7	2003.7	2001.6	1999.5	1997.5	1997.2
167.5°	2014.0	2017.0	2020.0	2023.1	2026.1	2026.4	2024.0	2021.5	2019.1	2016.7	2016.4
170°	2024.9	2027.9	2031.0	2034.1	2037.1	2037.2	2034.6	2031.8	2029.1	2026.4	2026.1
172.5°	2032.3	2035.3	2038.3	2041.3	2044.4	2044.7	2042.3	2039.8	2037.4	2035.0	2034.4
175°	2041.6	2044.7	2047.7	2050.7	2053.8	2054.0	2051.2	2048.5	2045.9	2043.2	2042.9
177.5°	2047.1	2049.2	2051.4	2053.6	2055.8	2055.9	2054.0	2052.1	2050.2	2048.3	2048.0
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	8.2	7.8	7.5	7.0	6.3	6.6	6.7	6.3	6.5	6.6	6.8
90°	19.6	17.3	14.8	12.3	9.6	7.0	4.2	1.5	4.2	7.0	9.6
92.5°	20.1	18.1	16.0	15.9	17.8	19.6	21.5	23.4	21.5	19.6	17.8
95°	50.0	62.8	75.6	82.6	83.6	84.6	85.6	86.6	85.6	84.6	83.6
97.5°	125.6	151.0	176.4	188.2	186.4	184.5	182.7	180.9	182.7	184.5	186.4
100°	261.9	260.4	259.1	257.9	256.9	255.9	254.9	253.9	254.9	255.9	256.9
102.5°	335.9	335.1	334.3	333.2	331.9	330.6	329.3	328.1	329.3	330.6	331.9
105°	453.0	453.0	453.0	452.3	451.0	449.7	448.3	447.0	448.3	449.7	451.0
107.5°	572.1	571.4	570.7	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4
110°	652.4	651.7	651.0	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7





TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	730.7	730.3	729.9	729.3	728.5	727.7	726.9	726.1	726.9	727.7	728.5
115°	847.6	847.3	846.9	845.9	844.2	842.5	840.8	839.2	840.8	842.5	844.2
117.5°	959.1	957.9	956.5	955.9	956.0	956.0	956.1	956.2	956.1	956.0	956.0
120°	1030.2	1029.2	1028.1	1027.8	1028.1	1028.5	1028.9	1029.2	1028.9	1028.5	1028.1
122.5°	1100.6	1100.1	1099.6	1098.7	1097.5	1096.2	1094.9	1093.7	1094.9	1096.2	1097.5
125°	1204.0	1204.0	1204.0	1202.9	1200.4	1198.1	1195.7	1193.4	1195.7	1198.1	1200.4
127.5°	1295.7	1295.9	1296.1	1295.3	1293.6	1291.9	1290.2	1288.5	1290.2	1291.9	1293.6
130°	1355.3	1355.0	1354.6	1353.6	1352.0	1350.3	1348.6	1346.9	1348.6	1350.3	1352.0
132.5°	1412.2	1413.0	1413.7	1413.1	1411.2	1409.2	1407.2	1405.2	1407.2	1409.2	1411.2
135°	1495.7	1496.4	1497.0	1496.4	1494.4	1492.4	1490.3	1488.2	1490.3	1492.4	1494.4
137.5°	1570.9	1571.6	1572.2	1571.7	1569.8	1568.1	1566.3	1564.6	1566.3	1568.1	1569.8
140°	1616.7	1617.0	1617.3	1617.2	1616.5	1615.8	1615.2	1614.5	1615.2	1615.8	1616.5
142.5°	1662.4	1662.0	1661.5	1661.0	1660.6	1660.2	1659.8	1659.4	1659.8	1660.2	1660.6
145°	1728.5	1728.5	1728.5	1728.2	1727.5	1726.8	1726.1	1725.5	1726.1	1726.8	1727.5
147.5°	1783.6	1783.2	1782.8	1782.6	1782.8	1782.9	1783.0	1783.2	1783.0	1782.9	1782.8
150°	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1819.0	1818.4	1817.7
152.5°	1850.0	1849.3	1848.6	1849.0	1850.5	1852.0	1853.5	1854.9	1853.5	1852.0	1850.5
155°	1892.8	1892.2	1891.5	1892.2	1894.2	1896.2	1898.2	1900.3	1898.2	1896.2	1894.2
157.5°	1930.0	1929.9	1929.8	1930.4	1931.6	1932.8	1934.0	1935.2	1934.0	1932.8	1931.6
160°	1951.3	1951.0	1950.6	1951.5	1953.5	1955.5	1957.5	1959.5	1957.5	1955.5	1953.5
162.5°	1970.8	1970.3	1970.0	1970.9	1972.9	1975.0	1977.0	1979.0	1977.0	1975.0	1972.9
165°	1996.9	1996.5	1996.2	1997.0	1999.0	2001.0	2003.2	2005.2	2003.2	2001.0	1999.0
167.5°	2016.0	2015.7	2015.4	2016.2	2018.3	2020.4	2022.6	2024.6	2022.6	2020.4	2018.3
170°	2025.8	2025.4	2025.1	2026.1	2028.4	2030.8	2033.2	2035.6	2033.2	2030.8	2028.4
172.5°	2033.8	2033.2	2032.6	2033.4	2035.8	2038.1	2040.5	2042.9	2040.5	2038.1	2035.8
175°	2042.5	2042.1	2041.8	2042.7	2044.7	2046.7	2048.7	2050.7	2048.7	2046.7	2044.7
177.5°	2047.8	2047.5	2047.2	2047.9	2049.5	2051.1	2052.8	2054.4	2052.8	2051.1	2049.5
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	7.2	7.7	7.9	8.8	8.7	9.4	9.7	9.8	10.2	10.5	10.6
90°	12.3	14.8	17.3	19.6	21.9	24.3	26.1	27.7	29.4	31.1	32.4
92.5°	15.9	16.0	18.1	20.1	22.2	24.3	26.1	27.7	29.4	31.1	32.1
95°	82.6	75.6	62.8	50.0	37.2	24.3	26.1	27.7	29.4	31.1	31.9
97.5°	188.2	176.4	151.0	125.6	100.2	74.8	65.2	55.7	46.3	36.7	31.9
100°	257.9	259.1	260.4	261.9	263.2	264.5	214.2	163.8	113.5	63.2	37.4
102.5°	333.2	334.3	335.1	335.9	336.7	337.5	328.0	318.4	308.9	299.4	283.2
105°	452.3	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	452.8
107.5°	570.4	570.7	571.4	572.1	572.8	573.4	573.5	573.6	573.6	573.7	573.2
110°	650.7	651.0	651.7	652.4	653.0	653.7	652.7	651.7	650.7	649.6	649.3



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	729.3	729.9	730.3	730.7	731.1	731.5	730.2	728.9	727.7	726.4	725.5
115°	845.9	846.9	847.3	847.6	848.0	848.3	846.9	845.6	844.2	842.8	841.2
117.5°	955.9	956.5	957.9	959.1	960.4	961.7	959.9	958.2	956.4	954.6	953.3
120°	1027.8	1028.1	1029.2	1030.2	1031.2	1032.2	1031.6	1030.9	1030.2	1029.6	1028.3
122.5°	1098.7	1099.6	1100.1	1100.6	1101.1	1101.6	1100.9	1100.1	1099.5	1098.8	1097.5
125°	1202.9	1204.0	1204.0	1204.0	1204.0	1204.0	1202.6	1201.3	1199.9	1198.6	1197.4
127.5°	1295.3	1296.1	1295.9	1295.7	1295.5	1295.3	1294.4	1293.7	1293.0	1292.2	1290.6
130°	1353.6	1354.6	1355.0	1355.3	1355.6	1356.0	1355.0	1354.0	1353.0	1352.0	1350.6
132.5°	1413.1	1413.7	1413.0	1412.2	1411.5	1410.8	1410.6	1410.4	1410.2	1410.0	1409.0
135°	1496.4	1497.0	1496.4	1495.7	1495.0	1494.4	1493.7	1493.0	1492.4	1491.7	1490.3
137.5°	1571.7	1572.2	1571.6	1570.9	1570.3	1569.7	1569.9	1570.0	1570.1	1570.3	1569.5
140°	1617.2	1617.3	1617.0	1616.7	1616.3	1616.0	1616.7	1617.3	1618.0	1618.7	1618.0
142.5°	1661.0	1661.5	1662.0	1662.4	1662.9	1663.4	1663.6	1663.7	1663.9	1664.0	1663.0
145°	1728.2	1728.5	1728.5	1728.5	1728.5	1728.5	1728.8	1729.2	1729.5	1729.8	1729.0
147.5°	1782.6	1782.8	1783.2	1783.6	1784.0	1784.4	1784.8	1785.2	1785.6	1786.0	1785.0
150°	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1820.4	1821.0	1821.7	1822.4	1821.4
152.5°	1849.0	1848.6	1849.3	1850.0	1850.7	1851.3	1852.0	1852.7	1853.3	1854.0	1853.1
155°	1892.2	1891.5	1892.2	1892.8	1893.5	1894.2	1895.2	1896.2	1897.2	1898.2	1897.3
157.5°	1930.4	1929.8	1929.9	1930.0	1930.0	1930.1	1931.2	1932.2	1933.3	1934.4	1933.6
160°	1951.5	1950.6	1951.0	1951.3	1951.6	1952.0	1953.3	1954.6	1956.0	1957.3	1956.7
162.5°	1970.9	1970.0	1970.3	1970.8	1971.1	1971.4	1973.3	1975.2	1977.1	1978.9	1978.4
165°	1997.0	1996.2	1996.5	1996.9	1997.2	1997.5	1999.5	2001.6	2003.7	2005.7	2005.3
167.5°	2016.2	2015.4	2015.7	2016.0	2016.4	2016.7	2019.1	2021.5	2024.0	2026.4	2026.1
170°	2026.1	2025.1	2025.4	2025.8	2026.1	2026.4	2029.1	2031.8	2034.6	2037.2	2037.1
172.5°	2033.4	2032.6	2033.2	2033.8	2034.4	2035.0	2037.4	2039.8	2042.3	2044.7	2044.4
175°	2042.7	2041.8	2042.1	2042.5	2042.9	2043.2	2045.9	2048.5	2051.2	2054.0	2053.8
177.5°	2047.9	2047.2	2047.5	2047.8	2048.0	2048.3	2050.2	2052.1	2054.0	2055.9	2055.8
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	11.0	11.0	11.2	11.4	11.2	11.0	11.0	10.6	10.5	10.2	9.8
90°	33.4	34.4	35.4	36.5	35.4	34.4	33.4	32.4	31.1	29.4	27.7
92.5°	32.6	33.1	33.6	34.0	33.6	33.1	32.6	32.1	31.1	29.4	27.7
95°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.1	29.4	27.7
97.5°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	36.7	46.3	55.7
100°	36.0	34.6	33.3	31.9	33.3	34.6	36.0	37.4	63.2	113.5	163.8
102.5°	260.1	237.2	214.2	191.3	214.2	237.2	260.1	283.2	299.4	308.9	318.4
105°	452.5	452.2	451.8	451.5	451.8	452.2	452.5	452.8	453.0	453.0	453.0
107.5°	572.2	571.2	570.2	569.2	570.2	571.2	572.2	573.2	573.7	573.6	573.6
110°	649.6	649.9	650.4	650.7	650.4	649.9	649.6	649.3	649.6	650.7	651.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	725.1	724.6	724.1	723.6	724.1	724.6	725.1	725.5	726.4	727.7	728.9
115°	839.2	837.1	835.1	833.0	835.1	837.1	839.2	841.2	842.8	844.2	845.6
117.5°	952.5	951.6	950.7	949.8	950.7	951.6	952.5	953.3	954.6	956.4	958.2
120°	1026.6	1024.9	1023.3	1021.6	1023.3	1024.9	1026.6	1028.3	1029.6	1030.2	1030.9
122.5°	1095.6	1093.6	1091.7	1089.6	1091.7	1093.6	1095.6	1097.5	1098.8	1099.5	1100.1
125°	1196.4	1195.4	1194.4	1193.4	1194.4	1195.4	1196.4	1197.4	1198.6	1199.9	1201.3
127.5°	1288.1	1285.7	1283.1	1280.6	1283.1	1285.7	1288.1	1290.6	1292.2	1293.0	1293.7
130°	1349.0	1347.3	1345.5	1343.8	1345.5	1347.3	1349.0	1350.6	1352.0	1353.0	1354.0
132.5°	1407.3	1405.6	1403.9	1402.2	1403.9	1405.6	1407.3	1409.0	1410.0	1410.2	1410.4
135°	1488.2	1486.2	1484.2	1482.2	1484.2	1486.2	1488.2	1490.3	1491.7	1492.4	1493.0
137.5°	1567.7	1566.0	1564.2	1562.5	1564.2	1566.0	1567.7	1569.5	1570.3	1570.1	1570.0
140°	1616.0	1614.0	1611.9	1609.9	1611.9	1614.0	1616.0	1618.0	1618.7	1618.0	1617.3
142.5°	1660.9	1658.9	1656.9	1654.9	1656.9	1658.9	1660.9	1663.0	1664.0	1663.9	1663.7
145°	1727.0	1725.0	1722.9	1720.9	1722.9	1725.0	1727.0	1729.0	1729.8	1729.5	1729.2
147.5°	1782.6	1780.2	1777.8	1775.3	1777.8	1780.2	1782.6	1785.0	1786.0	1785.6	1785.2
150°	1818.7	1815.9	1813.3	1810.6	1813.3	1815.9	1818.7	1821.4	1822.4	1821.7	1821.0
152.5°	1850.7	1848.3	1845.8	1843.4	1845.8	1848.3	1850.7	1853.1	1854.0	1853.3	1852.7
155°	1894.7	1892.0	1889.3	1886.5	1889.3	1892.0	1894.7	1897.3	1898.2	1897.2	1896.2
157.5°	1930.9	1928.1	1925.4	1922.8	1925.4	1928.1	1930.9	1933.6	1934.4	1933.3	1932.2
160°	1954.0	1951.3	1948.5	1945.9	1948.5	1951.3	1954.0	1956.7	1957.3	1956.0	1954.6
162.5°	1975.5	1972.5	1969.5	1966.5	1969.5	1972.5	1975.5	1978.4	1978.9	1977.1	1975.2
165°	2002.7	1999.9	1997.2	1994.5	1997.2	1999.9	2002.7	2005.3	2005.7	2003.7	2001.6
167.5°	2023.1	2020.0	2017.0	2014.0	2017.0	2020.0	2023.1	2026.1	2026.4	2024.0	2021.5
170°	2034.1	2031.0	2027.9	2024.9	2027.9	2031.0	2034.1	2037.1	2037.2	2034.6	2031.8
172.5°	2041.3	2038.3	2035.3	2032.3	2035.3	2038.3	2041.3	2044.4	2044.7	2042.3	2039.8
175°	2050.7	2047.7	2044.7	2041.6	2044.7	2047.7	2050.7	2053.8	2054.0	2051.2	2048.5
177.5°	2053.6	2051.4	2049.2	2047.1	2049.2	2051.4	2053.6	2055.8	2055.9	2054.0	2052.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	9.7	9.4	8.7	8.8	7.9	7.7	7.2	6.8	6.6	6.5	6.3
90°	26.1	24.3	21.9	19.6	17.3	14.8	12.3	9.6	7.0	4.2	1.5
92.5°	26.1	24.3	22.2	20.1	18.1	16.0	15.9	17.8	19.6	21.5	23.4
95°	26.1	24.3	37.2	50.0	62.8	75.6	82.6	83.6	84.6	85.6	86.6
97.5°	65.2	74.8	100.2	125.6	151.0	176.4	188.2	186.4	184.5	182.7	180.9
100°	214.2	264.5	263.2	261.9	260.4	259.1	257.9	256.9	255.9	254.9	253.9
102.5°	328.0	337.5	336.7	335.9	335.1	334.3	333.2	331.9	330.6	329.3	328.1
105°	453.0	453.0	453.0	453.0	453.0	453.0	452.3	451.0	449.7	448.3	447.0
107.5°	573.5	573.4	572.8	572.1	571.4	570.7	570.4	570.4	570.4	570.4	570.4
110°	652.7	653.7	653.0	652.4	651.7	651.0	650.7	650.7	650.7	650.7	650.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	730.2	731.5	731.1	730.7	730.3	729.9	729.3	728.5	727.7	726.9	726.1
115°	846.9	848.3	848.0	847.6	847.3	846.9	845.9	844.2	842.5	840.8	839.2
117.5°	959.9	961.7	960.4	959.1	957.9	956.5	955.9	956.0	956.0	956.1	956.2
120°	1031.6	1032.2	1031.2	1030.2	1029.2	1028.1	1027.8	1028.1	1028.5	1028.9	1029.2
122.5°	1100.9	1101.6	1101.1	1100.6	1100.1	1099.6	1098.7	1097.5	1096.2	1094.9	1093.7
125°	1202.6	1204.0	1204.0	1204.0	1204.0	1204.0	1202.9	1200.4	1198.1	1195.7	1193.4
127.5°	1294.4	1295.3	1295.5	1295.7	1295.9	1296.1	1295.3	1293.6	1291.9	1290.2	1288.5
130°	1355.0	1356.0	1355.6	1355.3	1355.0	1354.6	1353.6	1352.0	1350.3	1348.6	1346.9
132.5°	1410.6	1410.8	1411.5	1412.2	1413.0	1413.7	1413.1	1411.2	1409.2	1407.2	1405.2
135°	1493.7	1494.4	1495.0	1495.7	1496.4	1497.0	1496.4	1494.4	1492.4	1490.3	1488.2
137.5°	1569.9	1569.7	1570.3	1570.9	1571.6	1572.2	1571.7	1569.8	1568.1	1566.3	1564.6
140°	1616.7	1616.0	1616.3	1616.7	1617.0	1617.3	1617.2	1616.5	1615.8	1615.2	1614.5
142.5°	1663.6	1663.4	1662.9	1662.4	1662.0	1661.5	1661.0	1660.6	1660.2	1659.8	1659.4
145°	1728.8	1728.5	1728.5	1728.5	1728.5	1728.5	1728.2	1727.5	1726.8	1726.1	1725.5
147.5°	1784.8	1784.4	1784.0	1783.6	1783.2	1782.8	1782.6	1782.8	1782.9	1783.0	1783.2
150°	1820.4	1819.7	1819.0	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7
152.5°	1852.0	1851.3	1850.7	1850.0	1849.3	1848.6	1849.0	1850.5	1852.0	1853.5	1854.9
155°	1895.2	1894.2	1893.5	1892.8	1892.2	1891.5	1892.2	1894.2	1896.2	1898.2	1900.3
157.5°	1931.2	1930.1	1930.0	1930.0	1929.9	1929.8	1930.4	1931.6	1932.8	1934.0	1935.2
160°	1953.3	1952.0	1951.6	1951.3	1951.0	1950.6	1951.5	1953.5	1955.5	1957.5	1959.5
162.5°	1973.3	1971.4	1971.1	1970.8	1970.3	1970.0	1970.9	1972.9	1975.0	1977.0	1979.0
165°	1999.5	1997.5	1997.2	1996.9	1996.5	1996.2	1997.0	1999.0	2001.0	2003.2	2005.2
167.5°	2019.1	2016.7	2016.4	2016.0	2015.7	2015.4	2016.2	2018.3	2020.4	2022.6	2024.6
170°	2029.1	2026.4	2026.1	2025.8	2025.4	2025.1	2026.1	2028.4	2030.8	2033.2	2035.6
172.5°	2037.4	2035.0	2034.4	2033.8	2033.2	2032.6	2033.4	2035.8	2038.1	2040.5	2042.9
175°	2045.9	2043.2	2042.9	2042.5	2042.1	2041.8	2042.7	2044.7	2046.7	2048.7	2050.7
177.5°	2050.2	2048.3	2048.0	2047.8	2047.5	2047.2	2047.9	2049.5	2051.1	2052.8	2054.4
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.7	6.6	6.3	7.0	7.5	7.8	8.2	8.5	8.8	9.1	9.5
90°	4.2	7.0	9.6	12.3	14.8	17.3	19.6	21.9	24.3	26.1	27.7
92.5°	21.5	19.6	17.8	15.9	16.0	18.1	20.1	22.2	24.3	26.1	27.7
95°	85.6	84.6	83.6	82.6	75.6	62.8	50.0	37.2	24.3	26.1	27.7
97.5°	182.7	184.5	186.4	188.2	176.4	151.0	125.6	100.2	74.8	65.2	55.7
100°	254.9	255.9	256.9	257.9	259.1	260.4	261.9	263.2	264.5	214.2	163.8
102.5°	329.3	330.6	331.9	333.2	334.3	335.1	335.9	336.7	337.5	328.0	318.4
105°	448.3	449.7	451.0	452.3	453.0	453.0	453.0	453.0	453.0	453.0	453.0
107.5°	570.4	570.4	570.4	570.4	570.7	571.4	572.1	572.8	573.4	573.5	573.6
110°	650.7	650.7	650.7	650.7	651.0	651.7	652.4	653.0	653.7	652.7	651.7





TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	726.9	727.7	728.5	729.3	729.9	730.3	730.7	731.1	731.5	730.2	728.9
115°	840.8	842.5	844.2	845.9	846.9	847.3	847.6	848.0	848.3	846.9	845.6
117.5°	956.1	956.0	956.0	955.9	956.5	957.9	959.1	960.4	961.7	959.9	958.2
120°	1028.9	1028.5	1028.1	1027.8	1028.1	1029.2	1030.2	1031.2	1032.2	1031.6	1030.9
122.5°	1094.9	1096.2	1097.5	1098.7	1099.6	1100.1	1100.6	1101.1	1101.6	1100.9	1100.1
125°	1195.7	1198.1	1200.4	1202.9	1204.0	1204.0	1204.0	1204.0	1204.0	1202.6	1201.3
127.5°	1290.2	1291.9	1293.6	1295.3	1296.1	1295.9	1295.7	1295.5	1295.3	1294.4	1293.7
130°	1348.6	1350.3	1352.0	1353.6	1354.6	1355.0	1355.3	1355.6	1356.0	1355.0	1354.0
132.5°	1407.2	1409.2	1411.2	1413.1	1413.7	1413.0	1412.2	1411.5	1410.8	1410.6	1410.4
135°	1490.3	1492.4	1494.4	1496.4	1497.0	1496.4	1495.7	1495.0	1494.4	1493.7	1493.0
137.5°	1566.3	1568.1	1569.8	1571.7	1572.2	1571.6	1570.9	1570.3	1569.7	1569.9	1570.0
140°	1615.2	1615.8	1616.5	1617.2	1617.3	1617.0	1616.7	1616.3	1616.0	1616.7	1617.3
142.5°	1659.8	1660.2	1660.6	1661.0	1661.5	1662.0	1662.4	1662.9	1663.4	1663.6	1663.7
145°	1726.1	1726.8	1727.5	1728.2	1728.5	1728.5	1728.5	1728.5	1728.5	1728.8	1729.2
147.5°	1783.0	1782.9	1782.8	1782.6	1782.8	1783.2	1783.6	1784.0	1784.4	1784.8	1785.2
150°	1819.0	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1820.4	1821.0
152.5°	1853.5	1852.0	1850.5	1849.0	1848.6	1849.3	1850.0	1850.7	1851.3	1852.0	1852.7
155°	1898.2	1896.2	1894.2	1892.2	1891.5	1892.2	1892.8	1893.5	1894.2	1895.2	1896.2
157.5°	1934.0	1932.8	1931.6	1930.4	1929.8	1929.9	1930.0	1930.0	1930.1	1931.2	1932.2
160°	1957.5	1955.5	1953.5	1951.5	1950.6	1951.0	1951.3	1951.6	1952.0	1953.3	1954.6
162.5°	1977.0	1975.0	1972.9	1970.9	1970.0	1970.3	1970.8	1971.1	1971.4	1973.3	1975.2
165°	2003.2	2001.0	1999.0	1997.0	1996.2	1996.5	1996.9	1997.2	1997.5	1999.5	2001.6
167.5°	2022.6	2020.4	2018.3	2016.2	2015.4	2015.7	2016.0	2016.4	2016.7	2019.1	2021.5
170°	2033.2	2030.8	2028.4	2026.1	2025.1	2025.4	2025.8	2026.1	2026.4	2029.1	2031.8
172.5°	2040.5	2038.1	2035.8	2033.4	2032.6	2033.2	2033.8	2034.4	2035.0	2037.4	2039.8
175°	2048.7	2046.7	2044.7	2042.7	2041.8	2042.1	2042.5	2042.9	2043.2	2045.9	2048.5
177.5°	2052.8	2051.1	2049.5	2047.9	2047.2	2047.5	2047.8	2048.0	2048.3	2050.2	2052.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	10.0	10.5	10.4	10.4	10.6	11.0	11.4
90°	29.4	31.1	32.4	33.4	34.4	35.4	36.5
92.5°	29.4	31.1	32.1	32.6	33.1	33.6	34.0
95°	29.4	31.1	31.9	31.9	31.9	31.9	31.9
97.5°	46.3	36.7	31.9	31.9	31.9	31.9	31.9
100°	113.5	63.2	37.4	36.0	34.6	33.3	31.9
102.5°	308.9	299.4	283.2	260.1	237.2	214.2	191.3
105°	453.0	453.0	452.8	452.5	452.2	451.8	451.5
107.5°	573.6	573.7	573.2	572.2	571.2	570.2	569.2
110°	650.7	649.6	649.3	649.6	649.9	650.4	650.7



TEST NUMBER: P333656-840

CATALOG NUMBER: S125RDIW-S375D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	727.7	726.4	725.5	725.1	724.6	724.1	723.6
115°	844.2	842.8	841.2	839.2	837.1	835.1	833.0
117.5°	956.4	954.6	953.3	952.5	951.6	950.7	949.8
120°	1030.2	1029.6	1028.3	1026.6	1024.9	1023.3	1021.6
122.5°	1099.5	1098.8	1097.5	1095.6	1093.6	1091.7	1089.6
125°	1199.9	1198.6	1197.4	1196.4	1195.4	1194.4	1193.4
127.5°	1293.0	1292.2	1290.6	1288.1	1285.7	1283.1	1280.6
130°	1353.0	1352.0	1350.6	1349.0	1347.3	1345.5	1343.8
132.5°	1410.2	1410.0	1409.0	1407.3	1405.6	1403.9	1402.2
135°	1492.4	1491.7	1490.3	1488.2	1486.2	1484.2	1482.2
137.5°	1570.1	1570.3	1569.5	1567.7	1566.0	1564.2	1562.5
140°	1618.0	1618.7	1618.0	1616.0	1614.0	1611.9	1609.9
142.5°	1663.9	1664.0	1663.0	1660.9	1658.9	1656.9	1654.9
145°	1729.5	1729.8	1729.0	1727.0	1725.0	1722.9	1720.9
147.5°	1785.6	1786.0	1785.0	1782.6	1780.2	1777.8	1775.3
150°	1821.7	1822.4	1821.4	1818.7	1815.9	1813.3	1810.6
152.5°	1853.3	1854.0	1853.1	1850.7	1848.3	1845.8	1843.4
155°	1897.2	1898.2	1897.3	1894.7	1892.0	1889.3	1886.5
157.5°	1933.3	1934.4	1933.6	1930.9	1928.1	1925.4	1922.8
160°	1956.0	1957.3	1956.7	1954.0	1951.3	1948.5	1945.9
162.5°	1977.1	1978.9	1978.4	1975.5	1972.5	1969.5	1966.5
165°	2003.7	2005.7	2005.3	2002.7	1999.9	1997.2	1994.5
167.5°	2024.0	2026.4	2026.1	2023.1	2020.0	2017.0	2014.0
170°	2034.6	2037.2	2037.1	2034.1	2031.0	2027.9	2024.9
172.5°	2042.3	2044.7	2044.4	2041.3	2038.3	2035.3	2032.3
175°	2051.2	2054.0	2053.8	2050.7	2047.7	2044.7	2041.6
177.5°	2054.0	2055.9	2055.8	2053.6	2051.4	2049.2	2047.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7

(END OF REPORT)