

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: P333364-830

Luminaire Tested: **S125DIW-S375D1560U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333364-830
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: S125DIW-S375D1560U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7329.6 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

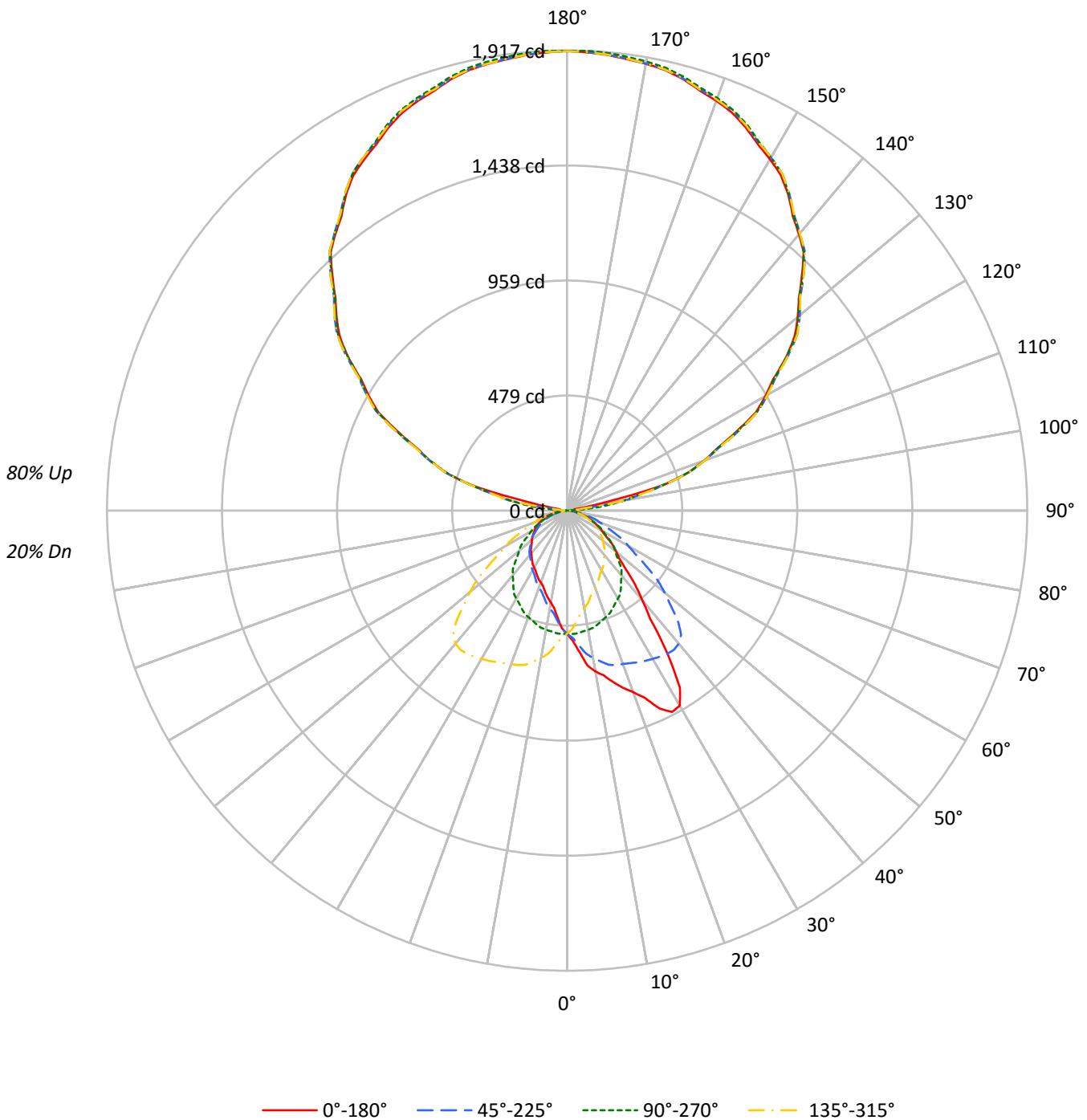
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

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	100	100	100	100	88	88	88	88	67	67	67	47	47	47	28	28	28	20
1	91	87	83	80	80	77	74	71	58	56	55	41	40	39	25	25	24	17
2	83	76	70	65	73	67	63	58	51	48	45	36	34	32	22	21	20	14
3	76	67	60	54	67	59	53	49	45	41	38	32	30	27	20	18	17	12
4	69	59	52	46	61	52	46	41	40	36	32	28	26	23	18	16	15	10
5	63	52	45	39	56	47	40	35	36	31	28	25	23	20	16	14	13	9
6	58	47	39	34	51	42	35	30	32	27	24	23	20	18	14	13	11	8
7	54	42	35	29	47	37	31	26	29	24	21	21	18	15	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	34	27	23	41	31	25	20	24	19	16	17	14	12	11	9	8	6
10	43	31	25	20	38	28	22	18	22	17	15	16	13	11	10	8	7	5

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3314	3314	3314	3314
5°	3837	3325	2912	3325
10°	4465	3308	2551	3308
15°	4942	3284	2353	3284
20°	5532	3245	2194	3245
25°	6481	3202	2117	3202
30°	7000	3159	2049	3159
35°	5755	3079	2006	3079
40°	4091	2967	1957	2967
45°	3143	2817	1929	2817
50°	2683	2629	1925	2629
55°	2389	2448	1942	2448
60°	2155	2248	1992	2248
65°	1991	2046	2043	2046
70°	1811	1839	2073	1839
75°	1597	1619	2054	1619
80°	1346	1320	1878	1320
85°	1067	948	1519	948



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	0.7
10°-20°	147.1	2.0
20°-30°	238.8	3.3
30°-40°	291.3	4.0
40°-50°	265.0	3.6
50°-60°	211.1	2.9
60°-70°	147.0	2.0
70°-80°	78.4	1.1
80°-90°	23.8	0.3
90°-100°	69.6	0.9
100°-110°	428.7	5.8
110°-120°	777.5	10.6
120°-130°	997.8	13.6
130°-140°	1073.2	14.6
140°-150°	1007.4	13.7
150°-160°	814.9	11.1
160°-170°	527.0	7.2
170°-180°	181.8	2.5
0°-30°	435.3	5.9
0°-40°	726.6	9.9
0°-60°	1202.7	16.4
0°-90°	1451.9	19.8
90°-120°	1275.7	17.4
90°-150°	4354.1	59.4
90°-180°	5878.0	80.2
0°-180°	7329.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	513	513	513	513	513	
5°	592	513	449	513	592	60
15°	739	491	352	491	739	212
25°	910	449	297	449	910	415
35°	730	390	254	390	730	447
45°	344	308	211	308	344	275
55°	212	217	172	217	212	191
65°	130	134	134	134	130	129
75°	64	65	82	65	64	69
85°	14	13	20	13	14	18
90°	34	1	34	1	34	15
95°	30	81	30	81	30	25
105°	421	417	421	417	421	381
115°	778	783	778	783	778	772
125°	1114	1114	1114	1114	1114	991
135°	1383	1389	1383	1389	1383	1068
145°	1606	1610	1606	1610	1606	1003
155°	1761	1774	1761	1774	1761	812
165°	1862	1872	1862	1872	1862	525
175°	1906	1914	1906	1914	1906	181
180°	1914	1914	1914	1914	1914	



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	542.7	542.1	541.3	540.0	541.0	538.0	536.7	534.2	531.2	530.2	529.0
5°	591.9	593.0	594.2	589.6	590.0	586.9	579.9	574.3	569.8	563.8	559.7
7.5°	651.2	648.7	648.4	645.5	640.4	636.2	629.0	619.6	610.6	600.3	591.8
10°	680.8	681.1	679.1	675.6	670.1	666.2	656.7	647.5	636.4	623.3	614.0
12.5°	703.1	704.1	701.5	696.8	694.2	685.4	677.9	667.0	653.8	643.4	629.1
15°	739.1	736.8	735.1	729.2	724.6	715.5	703.5	692.1	677.8	664.5	651.2
17.5°	773.9	775.9	772.6	767.2	753.0	742.3	726.3	710.8	692.9	675.0	659.2
20°	804.9	806.7	801.7	792.3	775.3	764.7	743.6	723.5	702.9	680.0	662.5
22.5°	843.7	842.3	835.5	821.2	806.5	786.8	763.9	739.5	713.6	687.8	664.6
25°	909.5	900.3	896.2	878.5	859.2	830.2	798.9	763.2	730.9	696.7	667.1
27.5°	946.0	943.1	938.5	926.2	905.9	874.9	837.9	794.4	748.9	705.8	666.9
30°	938.7	939.1	939.5	935.7	922.6	899.3	862.4	815.7	761.6	713.0	668.2
32.5°	873.8	881.7	889.4	898.3	902.0	897.5	874.5	832.2	776.6	721.4	667.5
35°	730.0	732.4	757.1	781.5	814.5	840.3	857.4	838.7	791.9	728.5	666.7
37.5°	569.2	581.0	598.0	625.6	673.4	716.1	771.2	796.4	781.4	730.8	665.2
40°	485.2	496.2	507.3	535.4	575.6	627.5	689.9	743.3	755.7	723.5	659.9
42.5°	420.5	429.0	441.4	462.5	496.2	542.1	601.8	671.6	714.4	702.3	648.9
45°	344.1	349.6	359.1	375.9	400.3	436.2	488.9	565.1	631.6	653.6	622.9
47.5°	294.5	294.5	302.0	313.5	331.1	361.7	400.7	460.3	531.3	583.8	581.4
50°	267.0	265.9	271.8	281.8	295.8	316.0	353.3	401.0	469.1	528.6	545.2
52.5°	243.3	243.5	247.0	254.5	266.2	283.4	311.2	354.3	412.5	473.5	504.7
55°	212.2	211.2	215.4	220.4	228.9	240.3	260.2	293.1	340.4	400.5	441.0
57.5°	183.5	186.0	187.6	191.1	198.1	205.8	222.6	246.8	284.3	335.8	378.6
60°	166.8	169.2	170.5	174.0	179.6	186.2	199.3	218.9	250.4	294.9	337.3
62.5°	151.8	153.7	154.2	157.3	161.9	168.2	178.5	195.0	220.0	258.8	300.4
65°	130.3	130.3	131.1	134.4	136.6	142.2	150.1	162.0	182.1	212.4	247.9
67.5°	109.4	110.5	110.3	111.7	113.7	118.1	123.7	133.6	148.5	170.5	199.0
70°	95.9	96.7	96.5	97.6	99.7	102.5	107.2	116.5	127.1	146.1	170.5
72.5°	83.6	84.0	83.4	84.8	86.1	88.6	93.8	98.8	108.7	124.7	144.8
75°	64.0	64.5	64.9	65.8	67.1	68.4	71.0	76.0	82.6	94.5	107.4
77.5°	48.0	47.1	48.3	48.1	48.8	49.9	52.1	54.8	60.1	67.8	77.7
80°	36.2	36.4	36.4	36.6	37.7	38.4	40.2	42.2	46.4	52.0	59.0
82.5°	26.4	27.0	26.6	27.1	27.9	28.4	29.5	31.1	33.5	38.0	43.0
85°	14.4	13.3	13.8	14.1	14.1	14.4	15.3	15.9	17.2	18.9	20.9
87.5°	11.0	11.1	11.1	10.9	10.9	10.7	11.0	10.7	10.9	11.1	11.4
90°	34.0	33.1	32.1	31.2	30.3	29.0	27.4	25.8	24.3	22.7	20.5
92.5°	31.8	31.4	30.9	30.4	30.0	29.0	27.4	25.8	24.3	22.7	20.7
95°	29.8	29.8	29.8	29.8	29.8	29.0	27.4	25.8	24.3	22.7	34.7
97.5°	29.8	29.8	29.8	29.8	29.8	34.2	43.2	52.0	60.9	69.8	93.5
100°	29.8	31.1	32.3	33.6	34.9	59.0	105.9	152.9	199.9	246.9	245.6
102.5°	178.5	199.9	221.4	242.8	264.3	279.5	288.3	297.2	306.1	315.0	314.2
105°	421.4	421.7	422.1	422.4	422.6	422.8	422.8	422.8	422.8	422.8	422.8
107.5°	531.2	532.2	533.1	534.0	535.0	535.5	535.4	535.4	535.3	535.2	534.6
110°	607.3	607.0	606.6	606.3	606.1	606.3	607.3	608.2	609.2	610.1	609.4



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	675.3	675.8	676.3	676.7	677.1	678.0	679.2	680.3	681.6	682.8	682.4
115°	777.5	779.4	781.3	783.3	785.1	786.6	788.0	789.2	790.4	791.7	791.5
117.5°	886.5	887.3	888.2	889.0	889.8	891.0	892.7	894.3	895.9	897.6	896.4
120°	953.5	955.1	956.6	958.2	959.8	960.9	961.5	962.1	962.8	963.4	962.4
122.5°	1017.0	1018.9	1020.7	1022.6	1024.4	1025.6	1026.2	1026.8	1027.5	1028.1	1027.7
125°	1113.8	1114.7	1115.7	1116.6	1117.6	1118.7	1119.9	1121.2	1122.5	1123.7	1123.7
127.5°	1195.2	1197.6	1200.0	1202.2	1204.6	1206.1	1206.8	1207.5	1208.2	1208.9	1209.1
130°	1254.2	1255.8	1257.4	1259.0	1260.6	1261.9	1262.8	1263.8	1264.7	1265.6	1265.3
132.5°	1308.7	1310.3	1311.9	1313.5	1315.0	1316.0	1316.2	1316.4	1316.5	1316.7	1317.4
135°	1383.4	1385.3	1387.1	1389.0	1390.9	1392.2	1392.9	1393.5	1394.1	1394.8	1395.3
137.5°	1458.3	1459.9	1461.6	1463.2	1464.9	1465.7	1465.5	1465.4	1465.3	1465.1	1465.7
140°	1502.6	1504.5	1506.4	1508.3	1510.1	1510.8	1510.1	1509.5	1508.9	1508.3	1508.5
142.5°	1544.5	1546.4	1548.3	1550.2	1552.2	1553.0	1552.9	1552.7	1552.7	1552.6	1552.1
145°	1606.2	1608.1	1610.0	1611.8	1613.7	1614.5	1614.2	1613.9	1613.5	1613.3	1613.3
147.5°	1657.0	1659.3	1661.5	1663.8	1666.0	1667.0	1666.6	1666.2	1665.8	1665.5	1665.1
150°	1689.9	1692.4	1694.9	1697.4	1700.0	1700.9	1700.3	1699.6	1699.0	1698.4	1697.7
152.5°	1720.5	1722.8	1725.0	1727.3	1729.6	1730.4	1729.8	1729.2	1728.5	1727.9	1727.3
155°	1760.8	1763.3	1765.9	1768.4	1770.8	1771.7	1770.8	1769.8	1768.9	1767.9	1767.3
157.5°	1794.6	1797.1	1799.6	1802.1	1804.7	1805.4	1804.4	1803.4	1802.4	1801.4	1801.3
160°	1816.2	1818.6	1821.2	1823.7	1826.3	1826.8	1825.6	1824.3	1823.1	1821.8	1821.5
162.5°	1835.4	1838.2	1841.0	1843.8	1846.5	1847.0	1845.3	1843.5	1841.7	1839.9	1839.7
165°	1861.5	1864.1	1866.6	1869.2	1871.6	1872.0	1870.1	1868.1	1866.2	1864.3	1864.1
167.5°	1879.7	1882.5	1885.4	1888.2	1891.0	1891.3	1889.0	1886.8	1884.5	1882.3	1882.0
170°	1889.9	1892.7	1895.6	1898.5	1901.3	1901.4	1898.9	1896.4	1893.9	1891.3	1891.0
172.5°	1896.8	1899.6	1902.4	1905.3	1908.1	1908.4	1906.1	1903.8	1901.6	1899.3	1898.8
175°	1905.5	1908.4	1911.2	1914.0	1916.8	1917.0	1914.5	1911.9	1909.5	1907.0	1906.7
177.5°	1910.6	1912.6	1914.7	1916.7	1918.7	1918.8	1917.0	1915.3	1913.5	1911.8	1911.5
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	527.9	526.7	525.3	522.8	519.9	518.3	515.9	514.3	511.2	508.6	505.8
5°	554.7	549.0	543.8	537.1	529.7	524.9	519.2	512.9	506.3	499.6	492.2
7.5°	582.5	572.4	561.6	549.9	538.4	527.8	517.7	507.9	498.7	487.5	478.1
10°	601.1	588.4	575.0	559.1	543.6	530.1	516.4	504.4	492.2	479.2	467.6
12.5°	619.7	602.9	583.8	566.4	547.8	531.5	515.4	500.0	484.7	470.2	456.8
15°	632.9	618.1	600.5	575.6	554.7	532.3	511.0	491.2	472.6	456.5	439.5
17.5°	641.6	622.5	603.5	579.8	552.3	527.3	503.0	480.3	459.5	439.0	422.7
20°	643.1	623.5	603.7	580.4	552.3	523.6	499.4	472.2	449.8	428.6	408.6
22.5°	642.6	620.4	598.8	574.9	547.4	520.9	491.7	464.0	439.6	418.9	397.9
25°	637.7	614.0	586.9	562.8	535.7	507.7	478.1	449.3	424.5	400.8	380.0
27.5°	633.6	602.9	572.2	544.0	517.9	492.2	463.8	434.4	406.9	382.9	363.4
30°	628.6	594.7	560.3	530.9	504.2	479.2	452.3	423.6	394.8	371.4	350.4
32.5°	624.1	584.7	548.4	516.3	488.0	463.6	438.9	411.6	383.3	359.5	338.6
35°	615.3	569.8	528.1	492.0	461.8	436.7	415.9	390.5	364.6	341.5	321.5
37.5°	604.2	550.2	505.5	467.6	434.4	408.0	388.8	369.2	344.3	322.1	304.0
40°	595.4	536.2	488.9	450.2	415.8	388.3	370.4	351.9	331.3	310.6	291.4
42.5°	584.5	523.7	472.2	430.5	396.4	369.7	350.9	335.3	317.0	297.7	279.9
45°	564.3	501.0	445.2	400.3	365.9	339.5	320.2	308.4	294.6	276.4	261.4
47.5°	534.6	473.6	415.9	369.7	334.1	309.7	291.5	280.2	270.6	257.0	243.4
50°	508.3	453.3	394.8	348.9	313.4	288.8	272.0	261.7	253.5	243.1	231.5
52.5°	478.9	427.6	374.1	328.7	293.5	269.3	252.9	243.8	237.0	229.5	218.1
55°	432.1	388.5	338.8	295.8	263.3	239.6	225.2	217.4	211.7	206.0	199.1
57.5°	380.6	346.5	302.6	263.1	233.2	211.6	198.2	190.6	186.2	183.2	179.2
60°	344.3	315.2	277.3	241.3	212.2	192.9	179.9	174.0	170.3	168.0	164.9
62.5°	310.7	286.7	251.7	218.9	193.3	175.2	163.5	157.8	154.3	153.1	150.6
65°	261.2	242.6	213.7	186.4	164.7	149.2	139.4	133.9	131.8	130.4	130.6
67.5°	212.3	201.0	177.8	154.6	137.1	124.2	116.3	112.2	111.0	109.3	109.3
70°	182.5	174.0	154.4	134.1	118.7	108.7	101.7	97.4	96.2	95.4	95.2
72.5°	156.2	148.7	131.8	115.6	101.6	92.8	87.1	84.5	82.7	82.2	82.1
75°	117.3	113.3	99.7	86.9	77.3	71.3	67.3	64.9	63.6	63.3	63.6
77.5°	83.4	79.8	71.3	62.1	56.1	51.5	48.2	47.3	45.9	45.9	45.7
80°	62.7	60.3	54.9	47.7	42.7	38.7	37.0	35.5	35.1	34.4	35.1
82.5°	45.4	42.9	39.2	34.6	30.4	28.2	26.4	25.9	25.6	25.4	25.4
85°	22.4	22.6	20.5	17.0	15.3	13.9	12.8	12.8	12.6	12.4	12.6
87.5°	11.3	10.6	9.4	8.4	7.1	6.0	5.3	5.0	5.0	5.3	5.9
90°	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4	4.0	6.5	9.0
92.5°	18.8	16.9	14.9	14.8	16.6	18.3	20.1	21.9	20.1	18.3	16.6
95°	46.7	58.6	70.6	77.1	78.0	79.0	79.9	80.9	79.9	79.0	78.0
97.5°	117.3	140.9	164.7	175.7	174.0	172.2	170.5	168.8	170.5	172.2	174.0
100°	244.4	243.1	241.9	240.7	239.8	238.8	237.9	237.0	237.9	238.8	239.8
102.5°	313.5	312.7	312.0	310.9	309.8	308.6	307.4	306.2	307.4	308.6	309.8
105°	422.8	422.8	422.8	422.2	420.9	419.7	418.4	417.2	418.4	419.7	420.9
107.5°	534.0	533.3	532.6	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
110°	608.9	608.2	607.6	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	682.0	681.6	681.3	680.7	680.0	679.2	678.4	677.7	678.4	679.2	680.0
115°	791.1	790.8	790.4	789.5	788.0	786.4	784.8	783.3	784.8	786.4	788.0
117.5°	895.1	894.0	892.8	892.2	892.3	892.3	892.4	892.5	892.4	892.3	892.3
120°	961.5	960.5	959.6	959.3	959.6	960.0	960.3	960.5	960.3	960.0	959.6
122.5°	1027.2	1026.8	1026.3	1025.5	1024.4	1023.1	1021.9	1020.8	1021.9	1023.1	1024.4
125°	1123.7	1123.7	1123.7	1122.7	1120.4	1118.2	1116.0	1113.8	1116.0	1118.2	1120.4
127.5°	1209.3	1209.5	1209.7	1208.9	1207.4	1205.8	1204.2	1202.6	1204.2	1205.8	1207.4
130°	1265.0	1264.7	1264.3	1263.4	1261.9	1260.3	1258.7	1257.1	1258.7	1260.3	1261.9
132.5°	1318.1	1318.8	1319.5	1318.9	1317.1	1315.2	1313.4	1311.5	1313.4	1315.2	1317.1
135°	1396.0	1396.7	1397.2	1396.7	1394.8	1392.9	1390.9	1389.0	1390.9	1392.9	1394.8
137.5°	1466.2	1466.8	1467.4	1466.9	1465.2	1463.6	1461.9	1460.3	1461.9	1463.6	1465.2
140°	1508.9	1509.2	1509.5	1509.4	1508.7	1508.1	1507.5	1506.8	1507.5	1508.1	1508.7
142.5°	1551.6	1551.2	1550.8	1550.3	1549.9	1549.5	1549.2	1548.8	1549.2	1549.5	1549.9
145°	1613.3	1613.3	1613.3	1613.0	1612.3	1611.7	1611.0	1610.4	1611.0	1611.7	1612.3
147.5°	1664.7	1664.3	1664.0	1663.8	1664.0	1664.1	1664.2	1664.3	1664.2	1664.1	1664.0
150°	1697.1	1696.5	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1697.7	1697.1	1696.5
152.5°	1726.6	1726.0	1725.3	1725.7	1727.1	1728.5	1729.9	1731.3	1729.9	1728.5	1727.1
155°	1766.6	1766.0	1765.4	1766.0	1767.9	1769.8	1771.7	1773.6	1771.7	1769.8	1767.9
157.5°	1801.3	1801.2	1801.1	1801.7	1802.8	1803.9	1805.1	1806.2	1805.1	1803.9	1802.8
160°	1821.2	1820.9	1820.5	1821.4	1823.3	1825.1	1827.0	1828.9	1827.0	1825.1	1823.3
162.5°	1839.4	1839.0	1838.7	1839.5	1841.4	1843.3	1845.2	1847.1	1845.2	1843.3	1841.4
165°	1863.8	1863.4	1863.1	1863.9	1865.8	1867.6	1869.6	1871.5	1869.6	1867.6	1865.8
167.5°	1881.6	1881.3	1881.0	1881.8	1883.8	1885.7	1887.7	1889.6	1887.7	1885.7	1883.8
170°	1890.7	1890.4	1890.1	1891.0	1893.2	1895.5	1897.6	1899.9	1897.6	1895.5	1893.2
172.5°	1898.2	1897.6	1897.1	1897.8	1900.1	1902.2	1904.5	1906.7	1904.5	1902.2	1900.1
175°	1906.3	1906.0	1905.7	1906.5	1908.4	1910.3	1912.1	1914.0	1912.1	1910.3	1908.4
177.5°	1911.3	1911.0	1910.7	1911.4	1912.9	1914.4	1915.9	1917.4	1915.9	1914.4	1912.9
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	504.3	502.3	500.8	497.3	495.3	492.8	490.7	492.9	490.5	491.5	489.9
5°	488.5	482.4	478.1	471.7	466.3	461.3	457.6	456.9	455.2	454.3	451.7
7.5°	469.6	461.9	454.5	446.2	439.2	432.2	427.6	423.9	421.4	418.1	415.8
10°	458.5	448.2	439.5	429.5	420.8	413.1	407.1	404.0	401.1	397.0	395.5
12.5°	444.7	434.1	423.5	412.7	404.4	395.9	390.7	386.1	384.1	379.5	379.0
15°	428.2	412.3	401.8	391.0	379.4	372.4	368.1	363.1	360.9	357.6	355.2
17.5°	408.5	394.3	381.3	369.9	360.1	354.2	348.7	345.3	341.6	339.4	335.5
20°	394.2	380.7	367.6	355.6	348.0	341.3	337.0	333.7	329.7	328.7	324.7
22.5°	382.2	367.3	354.8	344.7	336.4	328.8	324.0	321.8	319.1	315.8	315.0
25°	362.6	347.1	336.5	326.5	319.1	312.1	308.9	306.0	303.4	301.0	300.1
27.5°	345.7	331.9	319.2	310.2	303.7	297.4	294.5	291.1	289.2	287.2	284.8
30°	333.8	319.7	308.6	299.9	292.9	287.3	284.2	281.8	280.1	278.3	277.0
32.5°	321.7	308.6	297.8	289.3	282.3	278.1	275.3	273.6	271.7	269.7	268.0
35°	305.6	291.2	280.7	273.3	267.9	264.6	261.6	260.0	257.9	257.9	256.1
37.5°	287.4	274.9	265.7	259.0	254.1	251.2	247.9	246.9	245.4	244.5	243.9
40°	276.6	265.0	256.4	249.6	244.4	242.0	239.3	237.6	236.8	235.6	235.3
42.5°	265.4	254.4	246.1	239.9	235.3	233.3	230.8	229.6	227.8	226.4	226.1
45°	248.5	237.8	230.2	225.2	221.3	218.9	217.4	214.7	213.9	212.2	211.9
47.5°	232.4	222.2	214.7	210.6	207.2	205.2	202.8	200.2	199.2	198.3	198.2
50°	220.4	211.0	204.1	200.2	196.9	194.1	191.6	189.9	189.3	189.3	189.7
52.5°	208.2	200.2	194.4	189.5	186.4	183.4	181.2	180.1	179.2	180.2	181.0
55°	190.4	182.3	178.0	173.3	170.3	166.8	165.7	165.3	164.7	166.4	167.3
57.5°	171.4	165.8	160.7	156.2	153.4	151.4	150.0	149.7	150.9	151.7	154.6
60°	159.4	152.9	148.4	144.9	141.6	140.3	139.8	139.4	140.3	142.6	146.4
62.5°	146.2	140.9	135.9	133.4	130.9	128.8	128.7	128.9	130.6	133.5	137.1
65°	126.8	122.2	118.9	115.8	113.9	112.6	113.0	113.9	115.8	119.6	123.7
67.5°	107.0	103.9	100.9	98.5	96.6	96.6	97.1	98.4	100.7	104.9	108.7
70°	94.3	90.9	88.4	87.4	85.8	84.9	86.2	88.4	90.4	94.3	97.6
72.5°	81.6	78.6	76.7	76.0	75.3	74.6	75.1	77.5	80.1	84.0	87.8
75°	62.7	61.6	60.3	59.5	58.8	59.3	59.7	61.8	64.0	68.1	72.5
77.5°	45.8	44.7	43.8	43.6	43.3	43.5	44.8	46.4	48.4	51.5	54.8
80°	34.6	34.2	33.7	33.6	33.6	33.7	35.5	36.6	38.5	41.4	44.0
82.5°	25.3	25.0	24.9	24.8	25.0	25.1	26.1	27.5	29.1	31.3	33.6
85°	13.3	12.8	13.5	13.8	13.3	13.9	14.4	15.3	15.9	17.0	18.1
87.5°	6.7	7.4	7.7	8.4	8.8	9.6	9.7	10.7	11.4	12.1	12.2
90°	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.8	27.4	29.0	30.3
92.5°	14.8	14.9	16.9	18.8	20.7	22.7	24.3	25.8	27.4	29.0	30.0
95°	77.1	70.6	58.6	46.7	34.7	22.7	24.3	25.8	27.4	29.0	29.8
97.5°	175.7	164.7	140.9	117.3	93.5	69.8	60.9	52.0	43.2	34.2	29.8
100°	240.7	241.9	243.1	244.4	245.6	246.9	199.9	152.9	105.9	59.0	34.9
102.5°	310.9	312.0	312.7	313.5	314.2	315.0	306.1	297.2	288.3	279.5	264.3
105°	422.2	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.6
107.5°	532.3	532.6	533.3	534.0	534.6	535.2	535.3	535.4	535.4	535.5	535.0
110°	607.3	607.6	608.2	608.9	609.4	610.1	609.2	608.2	607.3	606.3	606.1



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	680.7	681.3	681.6	682.0	682.4	682.8	681.6	680.3	679.2	678.0	677.1
115°	789.5	790.4	790.8	791.1	791.5	791.7	790.4	789.2	788.0	786.6	785.1
117.5°	892.2	892.8	894.0	895.1	896.4	897.6	895.9	894.3	892.7	891.0	889.8
120°	959.3	959.6	960.5	961.5	962.4	963.4	962.8	962.1	961.5	960.9	959.8
122.5°	1025.5	1026.3	1026.8	1027.2	1027.7	1028.1	1027.5	1026.8	1026.2	1025.6	1024.4
125°	1122.7	1123.7	1123.7	1123.7	1123.7	1123.7	1122.5	1121.2	1119.9	1118.7	1117.6
127.5°	1208.9	1209.7	1209.5	1209.3	1209.1	1208.9	1208.2	1207.5	1206.8	1206.1	1204.6
130°	1263.4	1264.3	1264.7	1265.0	1265.3	1265.6	1264.7	1263.8	1262.8	1261.9	1260.6
132.5°	1318.9	1319.5	1318.8	1318.1	1317.4	1316.7	1316.5	1316.4	1316.2	1316.0	1315.0
135°	1396.7	1397.2	1396.7	1396.0	1395.3	1394.8	1394.1	1393.5	1392.9	1392.2	1390.9
137.5°	1466.9	1467.4	1466.8	1466.2	1465.7	1465.1	1465.3	1465.4	1465.5	1465.7	1464.9
140°	1509.4	1509.5	1509.2	1508.9	1508.5	1508.3	1508.9	1509.5	1510.1	1510.8	1510.1
142.5°	1550.3	1550.8	1551.2	1551.6	1552.1	1552.6	1552.7	1552.7	1552.9	1553.0	1552.2
145°	1613.0	1613.3	1613.3	1613.3	1613.3	1613.3	1613.5	1613.9	1614.2	1614.5	1613.7
147.5°	1663.8	1664.0	1664.3	1664.7	1665.1	1665.5	1665.8	1666.2	1666.6	1667.0	1666.0
150°	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1699.0	1699.6	1700.3	1700.9	1700.0
152.5°	1725.7	1725.3	1726.0	1726.6	1727.3	1727.9	1728.5	1729.2	1729.8	1730.4	1729.6
155°	1766.0	1765.4	1766.0	1766.6	1767.3	1767.9	1768.9	1769.8	1770.8	1771.7	1770.8
157.5°	1801.7	1801.1	1801.2	1801.3	1801.3	1801.4	1802.4	1803.4	1804.4	1805.4	1804.7
160°	1821.4	1820.5	1820.9	1821.2	1821.5	1821.8	1823.1	1824.3	1825.6	1826.8	1826.3
162.5°	1839.5	1838.7	1839.0	1839.4	1839.7	1839.9	1841.7	1843.5	1845.3	1847.0	1846.5
165°	1863.9	1863.1	1863.4	1863.8	1864.1	1864.3	1866.2	1868.1	1870.1	1872.0	1871.6
167.5°	1881.8	1881.0	1881.3	1881.6	1882.0	1882.3	1884.5	1886.8	1889.0	1891.3	1891.0
170°	1891.0	1890.1	1890.4	1890.7	1891.0	1891.3	1893.9	1896.4	1898.9	1901.4	1901.3
172.5°	1897.8	1897.1	1897.6	1898.2	1898.8	1899.3	1901.6	1903.8	1906.1	1908.4	1908.1
175°	1906.5	1905.7	1906.0	1906.3	1906.7	1907.0	1909.5	1911.9	1914.5	1917.0	1916.8
177.5°	1911.4	1910.7	1911.0	1911.3	1911.5	1911.8	1913.5	1915.3	1917.0	1918.8	1918.7
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	488.9	490.1	489.1	490.5	489.1	490.1	488.9	489.9	491.5	490.5	492.9
5°	450.6	448.7	450.0	449.1	450.0	448.7	450.6	451.7	454.3	455.2	456.9
7.5°	415.3	413.4	411.2	410.2	411.2	413.4	415.3	415.8	418.1	421.4	423.9
10°	393.1	390.7	390.5	389.0	390.5	390.7	393.1	395.5	397.0	401.1	404.0
12.5°	376.9	374.7	372.2	371.6	372.2	374.7	376.9	379.0	379.5	384.1	386.1
15°	353.9	352.1	350.6	351.9	350.6	352.1	353.9	355.2	357.6	360.9	363.1
17.5°	334.8	333.4	333.1	331.5	333.1	333.4	334.8	335.5	339.4	341.6	345.3
20°	322.7	321.7	322.2	319.2	322.2	321.7	322.7	324.7	328.7	329.7	333.7
22.5°	313.2	311.0	310.8	310.2	310.8	311.0	313.2	315.0	315.8	319.1	321.8
25°	298.1	297.1	296.0	297.1	296.0	297.1	298.1	300.1	301.0	303.4	306.0
27.5°	285.0	283.7	283.4	283.6	283.4	283.7	285.0	284.8	287.2	289.2	291.1
30°	277.0	274.8	275.0	274.8	275.0	274.8	277.0	277.0	278.3	280.1	281.8
32.5°	268.3	266.8	266.6	266.2	266.6	266.8	268.3	268.0	269.7	271.7	273.6
35°	255.4	255.4	254.4	254.4	254.4	255.4	255.4	256.1	257.9	257.9	260.0
37.5°	243.4	243.2	242.5	242.6	242.5	243.2	243.4	243.9	244.5	245.4	246.9
40°	234.3	234.1	233.5	232.1	233.5	234.1	234.3	235.3	235.6	236.8	237.6
42.5°	225.6	224.9	224.6	224.1	224.6	224.9	225.6	226.1	226.4	227.8	229.6
45°	211.9	211.9	211.5	211.2	211.5	211.9	211.9	211.9	212.2	213.9	214.7
47.5°	198.6	199.0	199.8	199.6	199.8	199.0	198.6	198.2	198.3	199.2	200.2
50°	190.6	190.8	191.4	191.6	191.4	190.8	190.6	189.7	189.3	189.3	189.9
52.5°	181.7	182.9	183.8	183.6	183.8	182.9	181.7	181.0	180.2	179.2	180.1
55°	169.2	170.8	172.3	172.5	172.3	170.8	169.2	167.3	166.4	164.7	165.3
57.5°	156.9	159.0	160.6	161.2	160.6	159.0	156.9	154.6	151.7	150.9	149.7
60°	148.5	151.4	153.4	154.2	153.4	151.4	148.5	146.4	142.6	140.3	139.4
62.5°	140.5	143.7	145.6	145.8	145.6	143.7	140.5	137.1	133.5	130.6	128.9
65°	127.4	130.6	132.4	133.7	132.4	130.6	127.4	123.7	119.6	115.8	113.9
67.5°	113.3	116.6	118.5	119.5	118.5	116.6	113.3	108.7	104.9	100.7	98.4
70°	103.0	106.3	108.9	109.8	108.9	106.3	103.0	97.6	94.3	90.4	88.4
72.5°	92.9	95.9	97.9	99.0	97.9	95.9	92.9	87.8	84.0	80.1	77.5
75°	75.3	79.3	81.2	82.3	81.2	79.3	75.3	72.5	68.1	64.0	61.8
77.5°	58.1	61.6	62.9	63.4	62.9	61.6	58.1	54.8	51.5	48.4	46.4
80°	46.6	48.8	50.3	50.5	50.3	48.8	46.6	44.0	41.4	38.5	36.6
82.5°	35.8	37.6	38.1	38.6	38.1	37.6	35.8	33.6	31.3	29.1	27.5
85°	19.6	20.5	20.7	20.5	20.7	20.5	19.6	18.1	17.0	15.9	15.3
87.5°	12.7	12.7	12.9	13.5	12.9	12.7	12.7	12.2	12.1	11.4	10.7
90°	31.2	32.1	33.1	34.0	33.1	32.1	31.2	30.3	29.0	27.4	25.8
92.5°	30.4	30.9	31.4	31.8	31.4	30.9	30.4	30.0	29.0	27.4	25.8
95°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.0	27.4	25.8
97.5°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	34.2	43.2	52.0
100°	33.6	32.3	31.1	29.8	31.1	32.3	33.6	34.9	59.0	105.9	152.9
102.5°	242.8	221.4	199.9	178.5	199.9	221.4	242.8	264.3	279.5	288.3	297.2
105°	422.4	422.1	421.7	421.4	421.7	422.1	422.4	422.6	422.8	422.8	422.8
107.5°	534.0	533.1	532.2	531.2	532.2	533.1	534.0	535.0	535.5	535.4	535.4
110°	606.3	606.6	607.0	607.3	607.0	606.6	606.3	606.1	606.3	607.3	608.2



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	676.7	676.3	675.8	675.3	675.8	676.3	676.7	677.1	678.0	679.2	680.3
115°	783.3	781.3	779.4	777.5	779.4	781.3	783.3	785.1	786.6	788.0	789.2
117.5°	889.0	888.2	887.3	886.5	887.3	888.2	889.0	889.8	891.0	892.7	894.3
120°	958.2	956.6	955.1	953.5	955.1	956.6	958.2	959.8	960.9	961.5	962.1
122.5°	1022.6	1020.7	1018.9	1017.0	1018.9	1020.7	1022.6	1024.4	1025.6	1026.2	1026.8
125°	1116.6	1115.7	1114.7	1113.8	1114.7	1115.7	1116.6	1117.6	1118.7	1119.9	1121.2
127.5°	1202.2	1200.0	1197.6	1195.2	1197.6	1200.0	1202.2	1204.6	1206.1	1206.8	1207.5
130°	1259.0	1257.4	1255.8	1254.2	1255.8	1257.4	1259.0	1260.6	1261.9	1262.8	1263.8
132.5°	1313.5	1311.9	1310.3	1308.7	1310.3	1311.9	1313.5	1315.0	1316.0	1316.2	1316.4
135°	1389.0	1387.1	1385.3	1383.4	1385.3	1387.1	1389.0	1390.9	1392.2	1392.9	1393.5
137.5°	1463.2	1461.6	1459.9	1458.3	1459.9	1461.6	1463.2	1464.9	1465.7	1465.5	1465.4
140°	1508.3	1506.4	1504.5	1502.6	1504.5	1506.4	1508.3	1510.1	1510.8	1510.1	1509.5
142.5°	1550.2	1548.3	1546.4	1544.5	1546.4	1548.3	1550.2	1552.2	1553.0	1552.9	1552.7
145°	1611.8	1610.0	1608.1	1606.2	1608.1	1610.0	1611.8	1613.7	1614.5	1614.2	1613.9
147.5°	1663.8	1661.5	1659.3	1657.0	1659.3	1661.5	1663.8	1666.0	1667.0	1666.6	1666.2
150°	1697.4	1694.9	1692.4	1689.9	1692.4	1694.9	1697.4	1700.0	1700.9	1700.3	1699.6
152.5°	1727.3	1725.0	1722.8	1720.5	1722.8	1725.0	1727.3	1729.6	1730.4	1729.8	1729.2
155°	1768.4	1765.9	1763.3	1760.8	1763.3	1765.9	1768.4	1770.8	1771.7	1770.8	1769.8
157.5°	1802.1	1799.6	1797.1	1794.6	1797.1	1799.6	1802.1	1804.7	1805.4	1804.4	1803.4
160°	1823.7	1821.2	1818.6	1816.2	1818.6	1821.2	1823.7	1826.3	1826.8	1825.6	1824.3
162.5°	1843.8	1841.0	1838.2	1835.4	1838.2	1841.0	1843.8	1846.5	1847.0	1845.3	1843.5
165°	1869.2	1866.6	1864.1	1861.5	1864.1	1866.6	1869.2	1871.6	1872.0	1870.1	1868.1
167.5°	1888.2	1885.4	1882.5	1879.7	1882.5	1885.4	1888.2	1891.0	1891.3	1889.0	1886.8
170°	1898.5	1895.6	1892.7	1889.9	1892.7	1895.6	1898.5	1901.3	1901.4	1898.9	1896.4
172.5°	1905.3	1902.4	1899.6	1896.8	1899.6	1902.4	1905.3	1908.1	1908.4	1906.1	1903.8
175°	1914.0	1911.2	1908.4	1905.5	1908.4	1911.2	1914.0	1916.8	1917.0	1914.5	1911.9
177.5°	1916.7	1914.7	1912.6	1910.6	1912.6	1914.7	1916.7	1918.7	1918.8	1917.0	1915.3
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	490.7	492.8	495.3	497.3	500.8	502.3	504.3	505.8	508.6	511.2	514.3
5°	457.6	461.3	466.3	471.7	478.1	482.4	488.5	492.2	499.6	506.3	512.9
7.5°	427.6	432.2	439.2	446.2	454.5	461.9	469.6	478.1	487.5	498.7	507.9
10°	407.1	413.1	420.8	429.5	439.5	448.2	458.5	467.6	479.2	492.2	504.4
12.5°	390.7	395.9	404.4	412.7	423.5	434.1	444.7	456.8	470.2	484.7	500.0
15°	368.1	372.4	379.4	391.0	401.8	412.3	428.2	439.5	456.5	472.6	491.2
17.5°	348.7	354.2	360.1	369.9	381.3	394.3	408.5	422.7	439.0	459.5	480.3
20°	337.0	341.3	348.0	355.6	367.6	380.7	394.2	408.6	428.6	449.8	472.2
22.5°	324.0	328.8	336.4	344.7	354.8	367.3	382.2	397.9	418.9	439.6	464.0
25°	308.9	312.1	319.1	326.5	336.5	347.1	362.6	380.0	400.8	424.5	449.3
27.5°	294.5	297.4	303.7	310.2	319.2	331.9	345.7	363.4	382.9	406.9	434.4
30°	284.2	287.3	292.9	299.9	308.6	319.7	333.8	350.4	371.4	394.8	423.6
32.5°	275.3	278.1	282.3	289.3	297.8	308.6	321.7	338.6	359.5	383.3	411.6
35°	261.6	264.6	267.9	273.3	280.7	291.2	305.6	321.5	341.5	364.6	390.5
37.5°	247.9	251.2	254.1	259.0	265.7	274.9	287.4	304.0	322.1	344.3	369.2
40°	239.3	242.0	244.4	249.6	256.4	265.0	276.6	291.4	310.6	331.3	351.9
42.5°	230.8	233.3	235.3	239.9	246.1	254.4	265.4	279.9	297.7	317.0	335.3
45°	217.4	218.9	221.3	225.2	230.2	237.8	248.5	261.4	276.4	294.6	308.4
47.5°	202.8	205.2	207.2	210.6	214.7	222.2	232.4	243.4	257.0	270.6	280.2
50°	191.6	194.1	196.9	200.2	204.1	211.0	220.4	231.5	243.1	253.5	261.7
52.5°	181.2	183.4	186.4	189.5	194.4	200.2	208.2	218.1	229.5	237.0	243.8
55°	165.7	166.8	170.3	173.3	178.0	182.3	190.4	199.1	206.0	211.7	217.4
57.5°	150.0	151.4	153.4	156.2	160.7	165.8	171.4	179.2	183.2	186.2	190.6
60°	139.8	140.3	141.6	144.9	148.4	152.9	159.4	164.9	168.0	170.3	174.0
62.5°	128.7	128.8	130.9	133.4	135.9	140.9	146.2	150.6	153.1	154.3	157.8
65°	113.0	112.6	113.9	115.8	118.9	122.2	126.8	130.6	130.4	131.8	133.9
67.5°	97.1	96.6	96.6	98.5	100.9	103.9	107.0	109.3	109.3	111.0	112.2
70°	86.2	84.9	85.8	87.4	88.4	90.9	94.3	95.2	95.4	96.2	97.4
72.5°	75.1	74.6	75.3	76.0	76.7	78.6	81.6	82.1	82.2	82.7	84.5
75°	59.7	59.3	58.8	59.5	60.3	61.6	62.7	63.6	63.3	63.6	64.9
77.5°	44.8	43.5	43.3	43.6	43.8	44.7	45.8	45.7	45.9	45.9	47.3
80°	35.5	33.7	33.6	33.6	33.7	34.2	34.6	35.1	34.4	35.1	35.5
82.5°	26.1	25.1	25.0	24.8	24.9	25.0	25.3	25.4	25.4	25.6	25.9
85°	14.4	13.9	13.3	13.8	13.5	12.8	13.3	12.6	12.4	12.6	12.8
87.5°	9.7	9.6	8.8	8.4	7.7	7.4	6.7	5.9	5.3	5.0	5.0
90°	24.3	22.7	20.5	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4
92.5°	24.3	22.7	20.7	18.8	16.9	14.9	14.8	16.6	18.3	20.1	21.9
95°	24.3	22.7	34.7	46.7	58.6	70.6	77.1	78.0	79.0	79.9	80.9
97.5°	60.9	69.8	93.5	117.3	140.9	164.7	175.7	174.0	172.2	170.5	168.8
100°	199.9	246.9	245.6	244.4	243.1	241.9	240.7	239.8	238.8	237.9	237.0
102.5°	306.1	315.0	314.2	313.5	312.7	312.0	310.9	309.8	308.6	307.4	306.2
105°	422.8	422.8	422.8	422.8	422.8	422.8	422.2	420.9	419.7	418.4	417.2
107.5°	535.3	535.2	534.6	534.0	533.3	532.6	532.3	532.3	532.3	532.3	532.3
110°	609.2	610.1	609.4	608.9	608.2	607.6	607.3	607.3	607.3	607.3	607.3



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	681.6	682.8	682.4	682.0	681.6	681.3	680.7	680.0	679.2	678.4	677.7
115°	790.4	791.7	791.5	791.1	790.8	790.4	789.5	788.0	786.4	784.8	783.3
117.5°	895.9	897.6	896.4	895.1	894.0	892.8	892.2	892.3	892.3	892.4	892.5
120°	962.8	963.4	962.4	961.5	960.5	959.6	959.3	959.6	960.0	960.3	960.5
122.5°	1027.5	1028.1	1027.7	1027.2	1026.8	1026.3	1025.5	1024.4	1023.1	1021.9	1020.8
125°	1122.5	1123.7	1123.7	1123.7	1123.7	1123.7	1122.7	1120.4	1118.2	1116.0	1113.8
127.5°	1208.2	1208.9	1209.1	1209.3	1209.5	1209.7	1208.9	1207.4	1205.8	1204.2	1202.6
130°	1264.7	1265.6	1265.3	1265.0	1264.7	1264.3	1263.4	1261.9	1260.3	1258.7	1257.1
132.5°	1316.5	1316.7	1317.4	1318.1	1318.8	1319.5	1318.9	1317.1	1315.2	1313.4	1311.5
135°	1394.1	1394.8	1395.3	1396.0	1396.7	1397.2	1396.7	1394.8	1392.9	1390.9	1389.0
137.5°	1465.3	1465.1	1465.7	1466.2	1466.8	1467.4	1466.9	1465.2	1463.6	1461.9	1460.3
140°	1508.9	1508.3	1508.5	1508.9	1509.2	1509.5	1509.4	1508.7	1508.1	1507.5	1506.8
142.5°	1552.7	1552.6	1552.1	1551.6	1551.2	1550.8	1550.3	1549.9	1549.5	1549.2	1548.8
145°	1613.5	1613.3	1613.3	1613.3	1613.3	1613.3	1613.0	1612.3	1611.7	1611.0	1610.4
147.5°	1665.8	1665.5	1665.1	1664.7	1664.3	1664.0	1663.8	1664.0	1664.1	1664.2	1664.3
150°	1699.0	1698.4	1697.7	1697.1	1696.5	1695.8	1695.8	1695.8	1696.5	1697.1	1697.7
152.5°	1728.5	1727.9	1727.3	1726.6	1726.0	1725.3	1725.7	1727.1	1728.5	1729.9	1731.3
155°	1768.9	1767.9	1767.3	1766.6	1766.0	1765.4	1766.0	1767.9	1769.8	1771.7	1773.6
157.5°	1802.4	1801.4	1801.3	1801.3	1801.2	1801.1	1801.7	1802.8	1803.9	1805.1	1806.2
160°	1823.1	1821.8	1821.5	1821.2	1820.9	1820.5	1821.4	1823.3	1825.1	1827.0	1828.9
162.5°	1841.7	1839.9	1839.7	1839.4	1839.0	1838.7	1839.5	1841.4	1843.3	1845.2	1847.1
165°	1866.2	1864.3	1864.1	1863.8	1863.4	1863.1	1863.9	1865.8	1867.6	1869.6	1871.5
167.5°	1884.5	1882.3	1882.0	1881.6	1881.3	1881.0	1881.8	1883.8	1885.7	1887.7	1889.6
170°	1893.9	1891.3	1891.0	1890.7	1890.4	1890.1	1891.0	1893.2	1895.5	1897.6	1899.9
172.5°	1901.6	1899.3	1898.8	1898.2	1897.6	1897.1	1897.8	1900.1	1902.2	1904.5	1906.7
175°	1909.5	1907.0	1906.7	1906.3	1906.0	1905.7	1906.5	1908.4	1910.3	1912.1	1914.0
177.5°	1913.5	1911.8	1911.5	1911.3	1911.0	1910.7	1911.4	1912.9	1914.4	1915.9	1917.4
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	515.9	518.3	519.9	522.8	525.3	526.7	527.9	529.0	530.2	531.2	534.2
5°	519.2	524.9	529.7	537.1	543.8	549.0	554.7	559.7	563.8	569.8	574.3
7.5°	517.7	527.8	538.4	549.9	561.6	572.4	582.5	591.8	600.3	610.6	619.6
10°	516.4	530.1	543.6	559.1	575.0	588.4	601.1	614.0	623.3	636.4	647.5
12.5°	515.4	531.5	547.8	566.4	583.8	602.9	619.7	629.1	643.4	653.8	667.0
15°	511.0	532.3	554.7	575.6	600.5	618.1	632.9	651.2	664.5	677.8	692.1
17.5°	503.0	527.3	552.3	579.8	603.5	622.5	641.6	659.2	675.0	692.9	710.8
20°	499.4	523.6	552.3	580.4	603.7	623.5	643.1	662.5	680.0	702.9	723.5
22.5°	491.7	520.9	547.4	574.9	598.8	620.4	642.6	664.6	687.8	713.6	739.5
25°	478.1	507.7	535.7	562.8	586.9	614.0	637.7	667.1	696.7	730.9	763.2
27.5°	463.8	492.2	517.9	544.0	572.2	602.9	633.6	666.9	705.8	748.9	794.4
30°	452.3	479.2	504.2	530.9	560.3	594.7	628.6	668.2	713.0	761.6	815.7
32.5°	438.9	463.6	488.0	516.3	548.4	584.7	624.1	667.5	721.4	776.6	832.2
35°	415.9	436.7	461.8	492.0	528.1	569.8	615.3	666.7	728.5	791.9	838.7
37.5°	388.8	408.0	434.4	467.6	505.5	550.2	604.2	665.2	730.8	781.4	796.4
40°	370.4	388.3	415.8	450.2	488.9	536.2	595.4	659.9	723.5	755.7	743.3
42.5°	350.9	369.7	396.4	430.5	472.2	523.7	584.5	648.9	702.3	714.4	671.6
45°	320.2	339.5	365.9	400.3	445.2	501.0	564.3	622.9	653.6	631.6	565.1
47.5°	291.5	309.7	334.1	369.7	415.9	473.6	534.6	581.4	583.8	531.3	460.3
50°	272.0	288.8	313.4	348.9	394.8	453.3	508.3	545.2	528.6	469.1	401.0
52.5°	252.9	269.3	293.5	328.7	374.1	427.6	478.9	504.7	473.5	412.5	354.3
55°	225.2	239.6	263.3	295.8	338.8	388.5	432.1	441.0	400.5	340.4	293.1
57.5°	198.2	211.6	233.2	263.1	302.6	346.5	380.6	378.6	335.8	284.3	246.8
60°	179.9	192.9	212.2	241.3	277.3	315.2	344.3	337.3	294.9	250.4	218.9
62.5°	163.5	175.2	193.3	218.9	251.7	286.7	310.7	300.4	258.8	220.0	195.0
65°	139.4	149.2	164.7	186.4	213.7	242.6	261.2	247.9	212.4	182.1	162.0
67.5°	116.3	124.2	137.1	154.6	177.8	201.0	212.3	199.0	170.5	148.5	133.6
70°	101.7	108.7	118.7	134.1	154.4	174.0	182.5	170.5	146.1	127.1	116.5
72.5°	87.1	92.8	101.6	115.6	131.8	148.7	156.2	144.8	124.7	108.7	98.8
75°	67.3	71.3	77.3	86.9	99.7	113.3	117.3	107.4	94.5	82.6	76.0
77.5°	48.2	51.5	56.1	62.1	71.3	79.8	83.4	77.7	67.8	60.1	54.8
80°	37.0	38.7	42.7	47.7	54.9	60.3	62.7	59.0	52.0	46.4	42.2
82.5°	26.4	28.2	30.4	34.6	39.2	42.9	45.4	43.0	38.0	33.5	31.1
85°	12.8	13.9	15.3	17.0	20.5	22.6	22.4	20.9	18.9	17.2	15.9
87.5°	5.3	6.0	7.1	8.4	9.4	10.6	11.3	11.4	11.1	10.9	10.7
90°	4.0	6.5	9.0	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.8
92.5°	20.1	18.3	16.6	14.8	14.9	16.9	18.8	20.7	22.7	24.3	25.8
95°	79.9	79.0	78.0	77.1	70.6	58.6	46.7	34.7	22.7	24.3	25.8
97.5°	170.5	172.2	174.0	175.7	164.7	140.9	117.3	93.5	69.8	60.9	52.0
100°	237.9	238.8	239.8	240.7	241.9	243.1	244.4	245.6	246.9	199.9	152.9
102.5°	307.4	308.6	309.8	310.9	312.0	312.7	313.5	314.2	315.0	306.1	297.2
105°	418.4	419.7	420.9	422.2	422.8	422.8	422.8	422.8	422.8	422.8	422.8
107.5°	532.3	532.3	532.3	532.3	532.6	533.3	534.0	534.6	535.2	535.3	535.4
110°	607.3	607.3	607.3	607.3	607.6	608.2	608.9	609.4	610.1	609.2	608.2



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	678.4	679.2	680.0	680.7	681.3	681.6	682.0	682.4	682.8	681.6	680.3
115°	784.8	786.4	788.0	789.5	790.4	790.8	791.1	791.5	791.7	790.4	789.2
117.5°	892.4	892.3	892.3	892.2	892.8	894.0	895.1	896.4	897.6	895.9	894.3
120°	960.3	960.0	959.6	959.3	959.6	960.5	961.5	962.4	963.4	962.8	962.1
122.5°	1021.9	1023.1	1024.4	1025.5	1026.3	1026.8	1027.2	1027.7	1028.1	1027.5	1026.8
125°	1116.0	1118.2	1120.4	1122.7	1123.7	1123.7	1123.7	1123.7	1123.7	1122.5	1121.2
127.5°	1204.2	1205.8	1207.4	1208.9	1209.7	1209.5	1209.3	1209.1	1208.9	1208.2	1207.5
130°	1258.7	1260.3	1261.9	1263.4	1264.3	1264.7	1265.0	1265.3	1265.6	1264.7	1263.8
132.5°	1313.4	1315.2	1317.1	1318.9	1319.5	1318.8	1318.1	1317.4	1316.7	1316.5	1316.4
135°	1390.9	1392.9	1394.8	1396.7	1397.2	1396.7	1396.0	1395.3	1394.8	1394.1	1393.5
137.5°	1461.9	1463.6	1465.2	1466.9	1467.4	1466.8	1466.2	1465.7	1465.1	1465.3	1465.4
140°	1507.5	1508.1	1508.7	1509.4	1509.5	1509.2	1508.9	1508.5	1508.3	1508.9	1509.5
142.5°	1549.2	1549.5	1549.9	1550.3	1550.8	1551.2	1551.6	1552.1	1552.6	1552.7	1552.7
145°	1611.0	1611.7	1612.3	1613.0	1613.3	1613.3	1613.3	1613.3	1613.3	1613.5	1613.9
147.5°	1664.2	1664.1	1664.0	1663.8	1664.0	1664.3	1664.7	1665.1	1665.5	1665.8	1666.2
150°	1697.7	1697.1	1696.5	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1699.0	1699.6
152.5°	1729.9	1728.5	1727.1	1725.7	1725.3	1726.0	1726.6	1727.3	1727.9	1728.5	1729.2
155°	1771.7	1769.8	1767.9	1766.0	1765.4	1766.0	1766.6	1767.3	1767.9	1768.9	1769.8
157.5°	1805.1	1803.9	1802.8	1801.7	1801.1	1801.2	1801.3	1801.3	1801.4	1802.4	1803.4
160°	1827.0	1825.1	1823.3	1821.4	1820.5	1820.9	1821.2	1821.5	1821.8	1823.1	1824.3
162.5°	1845.2	1843.3	1841.4	1839.5	1838.7	1839.0	1839.4	1839.7	1839.9	1841.7	1843.5
165°	1869.6	1867.6	1865.8	1863.9	1863.1	1863.4	1863.8	1864.1	1864.3	1866.2	1868.1
167.5°	1887.7	1885.7	1883.8	1881.8	1881.0	1881.3	1881.6	1882.0	1882.3	1884.5	1886.8
170°	1897.6	1895.5	1893.2	1891.0	1890.1	1890.4	1890.7	1891.0	1891.3	1893.9	1896.4
172.5°	1904.5	1902.2	1900.1	1897.8	1897.1	1897.6	1898.2	1898.8	1899.3	1901.6	1903.8
175°	1912.1	1910.3	1908.4	1906.5	1905.7	1906.0	1906.3	1906.7	1907.0	1909.5	1911.9
177.5°	1915.9	1914.4	1912.9	1911.4	1910.7	1911.0	1911.3	1911.5	1911.8	1913.5	1915.3
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	536.7	538.0	541.0	540.0	541.3	542.1	542.7
5°	579.9	586.9	590.0	589.6	594.2	593.0	591.9
7.5°	629.0	636.2	640.4	645.5	648.4	648.7	651.2
10°	656.7	666.2	670.1	675.6	679.1	681.1	680.8
12.5°	677.9	685.4	694.2	696.8	701.5	704.1	703.1
15°	703.5	715.5	724.6	729.2	735.1	736.8	739.1
17.5°	726.3	742.3	753.0	767.2	772.6	775.9	773.9
20°	743.6	764.7	775.3	792.3	801.7	806.7	804.9
22.5°	763.9	786.8	806.5	821.2	835.5	842.3	843.7
25°	798.9	830.2	859.2	878.5	896.2	900.3	909.5
27.5°	837.9	874.9	905.9	926.2	938.5	943.1	946.0
30°	862.4	899.3	922.6	935.7	939.5	939.1	938.7
32.5°	874.5	897.5	902.0	898.3	889.4	881.7	873.8
35°	857.4	840.3	814.5	781.5	757.1	732.4	730.0
37.5°	771.2	716.1	673.4	625.6	598.0	581.0	569.2
40°	689.9	627.5	575.6	535.4	507.3	496.2	485.2
42.5°	601.8	542.1	496.2	462.5	441.4	429.0	420.5
45°	488.9	436.2	400.3	375.9	359.1	349.6	344.1
47.5°	400.7	361.7	331.1	313.5	302.0	294.5	294.5
50°	353.3	316.0	295.8	281.8	271.8	265.9	267.0
52.5°	311.2	283.4	266.2	254.5	247.0	243.5	243.3
55°	260.2	240.3	228.9	220.4	215.4	211.2	212.2
57.5°	222.6	205.8	198.1	191.1	187.6	186.0	183.5
60°	199.3	186.2	179.6	174.0	170.5	169.2	166.8
62.5°	178.5	168.2	161.9	157.3	154.2	153.7	151.8
65°	150.1	142.2	136.6	134.4	131.1	130.3	130.3
67.5°	123.7	118.1	113.7	111.7	110.3	110.5	109.4
70°	107.2	102.5	99.7	97.6	96.5	96.7	95.9
72.5°	93.8	88.6	86.1	84.8	83.4	84.0	83.6
75°	71.0	68.4	67.1	65.8	64.9	64.5	64.0
77.5°	52.1	49.9	48.8	48.1	48.3	47.1	48.0
80°	40.2	38.4	37.7	36.6	36.4	36.4	36.2
82.5°	29.5	28.4	27.9	27.1	26.6	27.0	26.4
85°	15.3	14.4	14.1	14.1	13.8	13.3	14.4
87.5°	11.0	10.7	10.9	10.9	11.1	11.1	11.0
90°	27.4	29.0	30.3	31.2	32.1	33.1	34.0
92.5°	27.4	29.0	30.0	30.4	30.9	31.4	31.8
95°	27.4	29.0	29.8	29.8	29.8	29.8	29.8
97.5°	43.2	34.2	29.8	29.8	29.8	29.8	29.8
100°	105.9	59.0	34.9	33.6	32.3	31.1	29.8
102.5°	288.3	279.5	264.3	242.8	221.4	199.9	178.5
105°	422.8	422.8	422.6	422.4	422.1	421.7	421.4
107.5°	535.4	535.5	535.0	534.0	533.1	532.2	531.2
110°	607.3	606.3	606.1	606.3	606.6	607.0	607.3



TEST NUMBER: P333364-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	679.2	678.0	677.1	676.7	676.3	675.8	675.3
115°	788.0	786.6	785.1	783.3	781.3	779.4	777.5
117.5°	892.7	891.0	889.8	889.0	888.2	887.3	886.5
120°	961.5	960.9	959.8	958.2	956.6	955.1	953.5
122.5°	1026.2	1025.6	1024.4	1022.6	1020.7	1018.9	1017.0
125°	1119.9	1118.7	1117.6	1116.6	1115.7	1114.7	1113.8
127.5°	1206.8	1206.1	1204.6	1202.2	1200.0	1197.6	1195.2
130°	1262.8	1261.9	1260.6	1259.0	1257.4	1255.8	1254.2
132.5°	1316.2	1316.0	1315.0	1313.5	1311.9	1310.3	1308.7
135°	1392.9	1392.2	1390.9	1389.0	1387.1	1385.3	1383.4
137.5°	1465.5	1465.7	1464.9	1463.2	1461.6	1459.9	1458.3
140°	1510.1	1510.8	1510.1	1508.3	1506.4	1504.5	1502.6
142.5°	1552.9	1553.0	1552.2	1550.2	1548.3	1546.4	1544.5
145°	1614.2	1614.5	1613.7	1611.8	1610.0	1608.1	1606.2
147.5°	1666.6	1667.0	1666.0	1663.8	1661.5	1659.3	1657.0
150°	1700.3	1700.9	1700.0	1697.4	1694.9	1692.4	1689.9
152.5°	1729.8	1730.4	1729.6	1727.3	1725.0	1722.8	1720.5
155°	1770.8	1771.7	1770.8	1768.4	1765.9	1763.3	1760.8
157.5°	1804.4	1805.4	1804.7	1802.1	1799.6	1797.1	1794.6
160°	1825.6	1826.8	1826.3	1823.7	1821.2	1818.6	1816.2
162.5°	1845.3	1847.0	1846.5	1843.8	1841.0	1838.2	1835.4
165°	1870.1	1872.0	1871.6	1869.2	1866.6	1864.1	1861.5
167.5°	1889.0	1891.3	1891.0	1888.2	1885.4	1882.5	1879.7
170°	1898.9	1901.4	1901.3	1898.5	1895.6	1892.7	1889.9
172.5°	1906.1	1908.4	1908.1	1905.3	1902.4	1899.6	1896.8
175°	1914.5	1917.0	1916.8	1914.0	1911.2	1908.4	1905.5
177.5°	1917.0	1918.8	1918.7	1916.7	1914.7	1912.6	1910.6
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0

(END OF REPORT)