

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: P333582

Luminaire Tested: **S125RDIP-S1090D365U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333582
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-S1090D365U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5575.3 lumens
Efficiency: N/A
Efficacy: 128.2 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-Direct

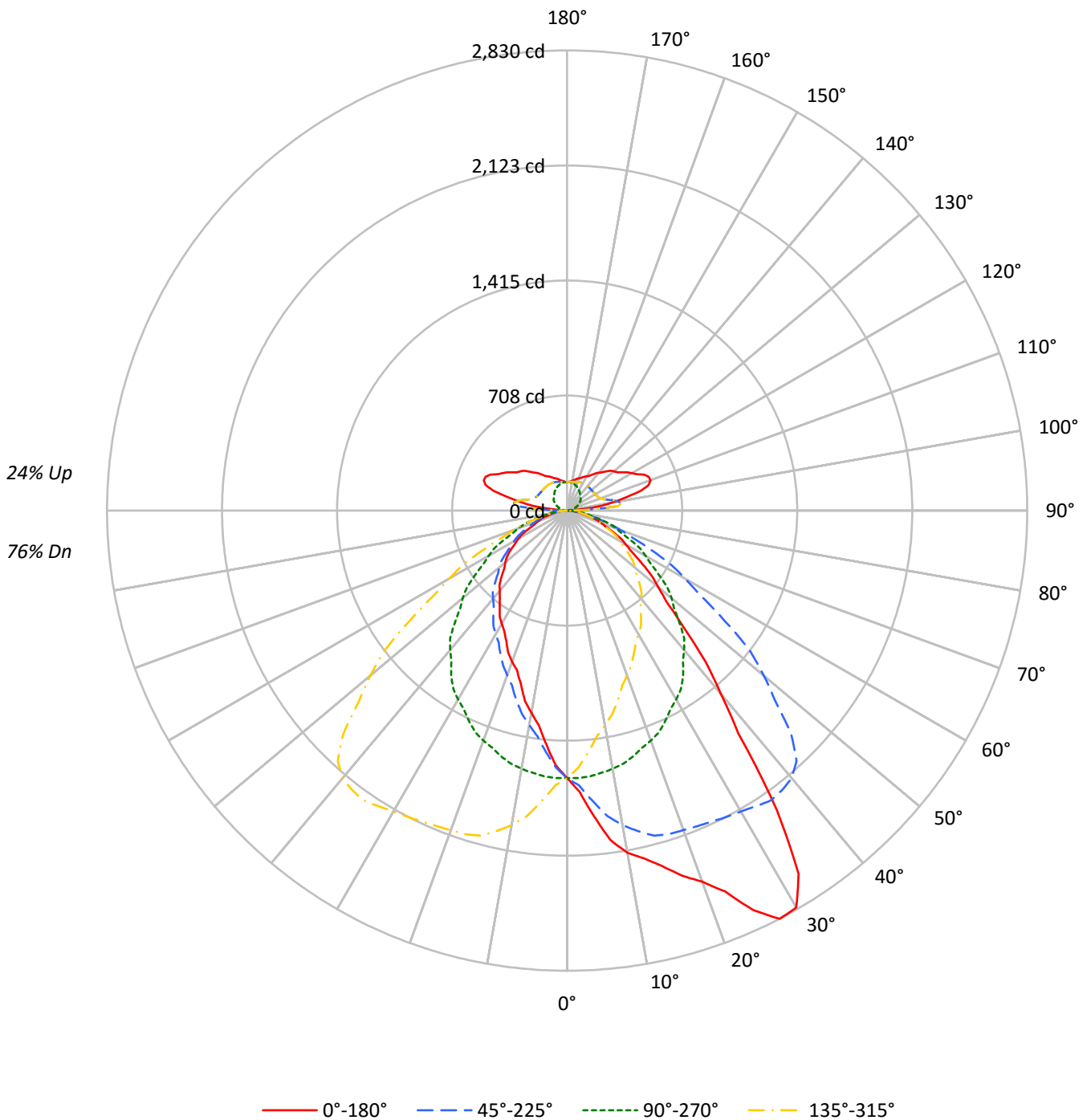
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	80	80	80	80	80	80	76														
1	104	100	96	93	99	96	92	89	87	85	82	79	77	76	72	71	69	66	66	66	66	66	66	66														
2	96	88	82	77	91	84	79	74	77	73	69	70	67	64	64	62	59	56	56	56	56	56	56	56														
3	88	78	71	65	83	75	68	63	69	63	59	63	58	55	57	54	51	48	48	48	48	48	48	48														
4	80	70	62	55	76	67	59	54	61	55	51	56	51	47	52	48	44	42	42	42	42	42	42	42														
5	74	62	54	48	70	60	52	47	55	49	44	51	46	42	47	42	39	36	36	36	36	36	36	36														
6	69	56	48	42	65	54	46	41	50	44	39	46	41	37	43	38	35	32	32	32	32	32	32	32														
7	64	51	43	37	60	49	42	36	45	39	34	42	37	33	39	34	31	29	29	29	29	29	29	29														
8	59	47	39	33	56	45	37	32	42	35	31	39	33	29	36	31	28	26	26	26	26	26	26	26														
9	55	43	35	30	53	41	34	29	38	32	28	36	30	26	33	28	25	23	23	23	23	23	23	23														
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	21	21	21	21	21	21	21														

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10619	10619	10619	10619
5°	12217	10633	9390	10633
10°	14014	10579	8286	10579
15°	15136	10470	7365	10470
20°	16690	10344	6801	10344
25°	19316	10177	6310	10177
30°	21020	10001	5990	10001
35°	17731	9797	5694	9797
40°	12382	9429	5440	9429
45°	9186	8933	5191	8933
50°	7324	8416	4977	8416
55°	6217	7775	4788	7775
60°	5371	7201	4481	7201
65°	4786	6580	3857	6580
70°	4205	6027	3518	6027
75°	3638	5220	3301	5220
80°	2760	4392	2760	4392
85°	2297	3453	2601	3453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	2.8
10°-20°	462.1	8.3
20°-30°	732.6	13.1
30°-40°	883.5	15.8
40°-50°	789.0	14.2
50°-60°	605.0	10.9
60°-70°	393.2	7.1
70°-80°	191.2	3.4
80°-90°	46.6	0.8
90°-100°	127.1	2.3
100°-110°	273.1	4.9
110°-120°	256.3	4.6
120°-130°	207.7	3.7
130°-140°	166.7	3.0
140°-150°	125.8	2.3
150°-160°	88.6	1.6
160°-170°	52.2	0.9
170°-180°	17.0	0.3
0°-30°	1352.3	24.3
0°-40°	2235.8	40.1
0°-60°	3629.8	65.1
0°-90°	4260.7	76.4
90°-120°	656.5	11.8
90°-150°	1156.8	20.7
90°-180°	1315.0	23.6
0°-180°	5575.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1884	1640	1448	1640	1884	188
15°	2264	1566	1102	1566	2264	649
25°	2711	1428	886	1428	2711	1245
35°	2249	1243	722	1243	2249	1358
45°	1006	978	568	978	1006	802
55°	552	690	425	690	552	501
65°	313	431	252	431	313	312
75°	146	209	132	209	146	155
85°	31	47	35	47	31	36
90°	8	0	8	0	8	7
95°	83	12	83	12	83	118
105°	468	40	468	40	468	465
115°	522	71	522	71	522	510
125°	411	99	411	99	411	372
135°	341	116	341	116	341	265
145°	269	135	269	135	269	171
155°	226	154	226	154	226	105
165°	198	168	198	168	198	57
175°	178	175	178	175	178	17
180°	175	175	175	175	175	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1729.5	1728.4	1730.6	1724.6	1725.2	1716.0	1716.0	1709.0	1699.8	1692.8	1689.5
5°	1884.4	1885.8	1883.1	1873.0	1866.2	1856.1	1844.6	1824.4	1807.5	1791.3	1778.5
7.5°	2044.0	2044.9	2036.0	2032.9	2015.9	2003.5	1978.0	1950.4	1926.0	1895.0	1871.2
10°	2136.9	2136.2	2126.7	2119.3	2104.5	2085.6	2060.6	2028.2	1997.8	1964.1	1931.7
12.5°	2190.9	2189.1	2186.1	2177.1	2163.3	2146.6	2125.4	2093.5	2056.1	2019.2	1981.4
15°	2263.8	2259.0	2250.3	2238.8	2219.2	2199.6	2176.0	2147.7	2111.9	2070.0	2035.0
17.5°	2353.9	2354.1	2340.6	2324.6	2298.0	2263.5	2227.0	2181.3	2132.7	2086.7	2049.3
20°	2428.4	2426.4	2412.9	2381.9	2351.5	2308.3	2266.5	2210.4	2151.0	2091.0	2044.4
22.5°	2535.4	2530.1	2516.0	2475.3	2428.2	2372.6	2308.6	2240.1	2168.3	2100.1	2039.0
25°	2710.6	2706.5	2678.8	2631.6	2565.5	2479.7	2396.0	2302.2	2199.0	2109.2	2035.0
27.5°	2830.4	2826.0	2805.5	2766.2	2705.2	2615.0	2501.7	2376.3	2247.4	2123.9	2016.9
30°	2818.6	2828.7	2826.0	2807.8	2761.9	2680.9	2576.3	2435.2	2282.0	2136.9	2009.3
32.5°	2649.0	2658.1	2681.8	2717.6	2720.3	2687.9	2609.7	2479.5	2320.9	2155.8	2003.4
35°	2248.9	2261.1	2307.0	2379.2	2473.7	2552.6	2568.8	2498.6	2356.2	2178.7	1994.5
37.5°	1728.9	1795.3	1834.0	1910.0	2052.8	2198.0	2337.7	2389.2	2328.5	2169.3	1980.0
40°	1468.7	1484.9	1553.7	1639.4	1759.6	1910.8	2109.9	2253.6	2258.4	2147.7	1957.3
42.5°	1257.0	1277.5	1324.8	1393.2	1496.1	1647.3	1852.9	2042.5	2130.4	2088.3	1927.6
45°	1005.7	1021.2	1055.6	1108.3	1187.2	1312.1	1488.9	1708.3	1882.4	1950.6	1848.0
47.5°	826.1	834.5	864.5	904.6	963.0	1054.0	1190.9	1381.3	1590.2	1736.6	1722.2
50°	728.9	738.4	761.3	791.7	841.0	917.9	1027.3	1185.9	1401.2	1580.0	1615.8
52.5°	653.3	661.2	675.5	704.2	744.9	804.0	892.3	1035.8	1229.5	1419.7	1502.4
55°	552.1	557.5	569.0	585.2	617.6	660.1	736.4	835.6	992.2	1183.8	1305.3
57.5°	468.7	471.4	478.7	493.7	516.1	547.1	602.2	686.3	798.6	971.2	1105.3
60°	415.8	418.5	427.9	438.0	455.6	483.9	527.1	585.8	693.8	836.3	971.9
62.5°	373.6	375.3	379.3	389.4	404.8	426.7	460.7	508.6	594.5	719.6	847.7
65°	313.2	313.8	315.2	323.3	332.7	348.9	371.2	405.0	469.8	564.3	677.6
67.5°	255.1	256.1	260.8	263.6	273.5	282.0	295.1	320.9	366.5	430.2	518.4
70°	222.7	222.1	226.8	230.2	233.5	243.7	252.4	273.4	301.7	350.3	423.9
72.5°	192.5	190.7	192.8	194.0	198.4	205.3	214.1	226.9	248.8	282.3	338.6
75°	145.8	146.5	146.5	147.8	151.2	153.9	156.6	163.3	175.5	197.8	228.1
77.5°	102.3	101.2	104.1	104.5	106.5	109.5	111.8	114.5	119.5	128.6	144.3
80°	74.2	74.2	74.9	76.9	76.3	77.6	81.0	83.7	89.8	95.2	100.6
82.5°	57.0	56.4	57.1	57.5	57.4	58.7	59.9	60.5	62.8	65.5	69.2
85°	31.0	31.0	31.7	31.7	32.4	32.4	33.1	33.1	33.1	33.7	34.4
87.5°	13.5	13.0	12.4	12.4	12.9	13.8	13.2	12.6	12.5	12.5	12.9
90°	8.1	8.1	7.8	7.8	7.8	7.1	6.7	6.4	6.0	5.7	4.9
92.5°	22.5	23.1	23.6	24.5	29.0	34.2	45.4	62.6	92.2	113.9	115.8
95°	83.1	88.7	91.5	102.1	127.2	156.9	200.4	254.1	306.4	313.1	255.5
97.5°	200.7	205.3	215.5	235.3	257.1	298.4	340.8	378.4	387.7	334.4	228.2
100°	275.7	281.3	294.4	319.8	344.2	381.0	417.4	434.7	407.5	319.1	203.6
102.5°	359.4	363.6	377.8	395.9	422.0	446.9	464.3	453.6	395.6	292.3	184.9
105°	468.3	472.5	479.6	491.2	502.6	506.4	490.9	442.5	357.7	256.2	166.8
107.5°	526.1	528.9	531.3	531.3	525.6	507.1	467.2	402.6	318.9	231.4	159.2
110°	545.3	545.3	542.8	536.1	520.2	490.2	440.4	373.2	296.9	219.8	156.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	543.1	540.5	534.4	522.8	499.6	464.2	413.8	350.0	280.5	213.0	156.9
115°	521.6	517.0	507.1	490.2	462.6	424.1	375.7	320.9	262.6	205.7	158.0
117.5°	484.1	481.3	471.5	453.9	426.4	391.0	349.3	302.1	251.9	202.1	160.3
120°	459.8	457.0	447.4	430.5	404.3	373.2	334.3	291.9	246.0	200.4	162.6
122.5°	438.3	435.8	426.2	410.7	387.3	358.2	323.6	284.3	240.9	199.0	164.5
125°	411.0	407.5	399.7	385.2	365.4	340.0	309.2	273.2	234.0	197.2	167.9
127.5°	387.7	386.1	378.8	366.0	348.0	324.2	295.5	261.9	227.6	196.4	171.6
130°	375.0	372.9	365.8	354.1	336.5	313.5	285.9	254.8	223.4	195.8	173.9
132.5°	362.2	359.8	353.3	341.7	324.0	301.9	276.9	247.7	220.0	195.8	176.4
135°	341.4	339.3	332.9	321.3	305.7	285.6	262.9	238.6	215.9	195.8	179.9
137.5°	319.1	316.8	310.9	300.3	286.4	269.3	250.5	230.8	212.3	196.2	183.1
140°	303.6	301.8	296.5	287.3	274.2	259.4	243.1	226.5	210.6	196.5	184.5
142.5°	289.2	287.7	282.7	274.9	263.8	250.9	236.9	222.9	209.2	196.8	185.3
145°	269.3	267.9	264.0	258.0	249.5	240.0	229.0	218.1	207.1	196.5	186.2
147.5°	252.5	251.8	249.6	244.8	238.1	230.9	222.4	213.5	204.9	195.6	186.6
150°	243.1	242.8	241.4	237.1	231.8	225.5	218.8	211.0	203.2	194.7	186.6
152.5°	235.8	235.4	234.0	230.6	226.2	221.2	215.1	208.2	201.2	193.6	186.3
155°	225.8	225.5	224.4	221.9	218.4	214.5	209.6	203.9	197.9	191.6	185.5
157.5°	216.9	217.0	216.0	214.0	211.2	208.2	204.3	199.7	194.8	189.4	184.6
160°	211.0	211.3	210.6	208.9	206.4	203.9	200.4	196.9	192.3	188.0	183.8
162.5°	205.6	205.7	205.5	204.1	202.2	200.0	197.0	193.7	190.0	186.3	182.9
165°	197.9	197.9	197.9	197.2	195.8	194.0	191.9	189.4	186.6	183.8	181.7
167.5°	190.8	190.9	191.2	190.6	189.9	188.6	187.0	185.3	183.3	181.3	179.7
170°	186.6	187.0	187.0	186.6	185.9	185.2	184.1	183.1	181.3	179.9	178.8
172.5°	182.6	183.0	183.6	182.9	182.8	182.4	181.6	180.5	179.3	178.2	177.7
175°	177.8	178.1	178.8	178.5	178.5	178.5	177.8	177.8	176.7	176.4	176.4
177.5°	175.3	175.3	176.1	175.9	176.1	176.1	176.1	175.9	175.6	175.3	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1689.5	1685.7	1678.7	1672.2	1664.1	1657.1	1652.3	1646.3	1638.8	1629.6	1622.0
5°	1764.3	1749.4	1729.9	1713.0	1691.4	1674.5	1657.0	1640.1	1623.2	1601.6	1582.7
7.5°	1847.2	1816.5	1786.7	1749.2	1715.2	1684.8	1655.6	1626.1	1597.2	1566.5	1537.0
10°	1897.9	1860.8	1819.6	1772.4	1729.2	1688.0	1650.2	1613.1	1574.0	1539.5	1502.4
12.5°	1945.5	1897.5	1850.4	1790.8	1738.9	1688.6	1640.5	1594.2	1552.4	1507.7	1467.9
15°	1988.4	1941.1	1888.5	1815.6	1743.4	1682.6	1625.9	1565.9	1513.9	1463.9	1419.4
17.5°	2005.0	1955.4	1894.3	1824.2	1745.3	1668.9	1595.8	1530.0	1468.8	1410.6	1360.5
20°	1998.5	1950.6	1887.8	1821.0	1736.6	1657.0	1578.0	1505.1	1437.0	1375.5	1322.2
22.5°	1982.8	1933.3	1872.7	1802.1	1722.0	1637.5	1553.2	1475.4	1404.0	1340.4	1282.3
25°	1959.4	1891.9	1829.8	1760.9	1684.7	1601.0	1513.9	1428.2	1351.9	1287.1	1223.7
27.5°	1934.9	1850.7	1771.7	1703.3	1622.7	1548.0	1464.1	1376.2	1296.0	1230.0	1164.9
30°	1912.8	1818.3	1731.2	1653.6	1577.3	1506.5	1426.8	1341.1	1258.8	1190.6	1124.5
32.5°	1885.2	1784.8	1689.1	1599.6	1526.0	1455.7	1383.6	1301.7	1221.5	1151.2	1084.0
35°	1850.7	1722.5	1618.5	1523.3	1441.7	1373.5	1308.7	1242.6	1162.3	1089.4	1023.9
37.5°	1805.3	1659.8	1539.5	1435.9	1349.7	1281.3	1230.1	1169.7	1096.4	1026.6	965.8
40°	1777.8	1614.5	1482.8	1380.3	1289.8	1217.6	1169.7	1118.4	1051.6	986.1	925.3
42.5°	1741.1	1572.9	1425.6	1318.7	1227.7	1158.2	1109.7	1064.9	1008.9	947.2	882.1
45°	1669.1	1492.3	1337.7	1223.0	1131.2	1063.0	1017.8	978.0	935.5	878.8	822.1
47.5°	1575.4	1408.2	1246.5	1121.2	1031.3	968.0	924.1	892.7	862.3	814.1	759.0
50°	1500.4	1339.1	1181.1	1059.7	963.8	903.7	862.6	837.6	809.9	766.1	720.2
52.5°	1411.8	1267.8	1113.1	988.9	898.5	842.2	802.6	777.7	754.9	719.1	675.3
55°	1272.3	1146.1	1004.3	891.6	808.6	751.9	714.1	690.5	677.0	646.6	612.2
57.5°	1111.2	1020.8	895.8	787.1	713.7	657.7	630.0	609.9	594.6	573.2	548.9
60°	998.9	935.5	823.4	720.2	652.7	599.3	574.4	557.5	543.3	525.1	506.2
62.5°	885.0	838.8	741.4	652.7	590.6	545.9	522.5	507.3	491.0	478.7	460.3
65°	732.3	691.1	623.6	554.1	496.8	461.0	444.1	430.6	420.5	407.0	394.2
67.5°	569.7	552.9	506.3	458.4	417.2	385.4	370.8	361.4	349.2	341.1	332.3
70°	469.8	461.7	428.6	396.9	358.4	336.8	323.3	319.2	304.4	296.3	290.2
72.5°	381.2	377.4	358.4	336.4	309.3	290.4	277.9	273.4	263.9	257.4	253.5
75°	261.2	262.6	259.2	245.0	234.9	222.7	211.9	209.2	202.5	197.1	193.7
77.5°	165.2	172.1	172.4	171.7	167.7	160.2	155.8	153.8	147.1	145.1	144.3
80°	113.4	120.8	127.6	126.9	125.5	123.5	120.1	118.1	114.7	112.7	111.4
82.5°	75.6	82.5	88.1	91.8	91.5	89.5	87.2	86.3	85.6	84.1	83.8
85°	35.8	37.1	39.1	43.9	47.2	47.9	47.2	46.6	44.5	45.2	45.9
87.5°	13.3	13.2	13.7	13.5	12.8	15.4	16.9	17.3	16.3	15.4	14.5
90°	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4	0.7	1.4	2.1
92.5°	80.6	48.3	29.0	18.7	12.6	8.2	5.2	4.3	5.2	8.2	12.6
95°	158.0	80.2	42.4	26.5	18.7	14.8	12.0	11.7	12.0	14.8	18.7
97.5°	126.1	69.1	44.1	32.7	25.7	21.8	19.8	19.4	19.8	21.8	25.7
100°	114.5	68.6	48.1	37.5	30.7	26.9	25.4	24.7	25.4	26.9	30.7
102.5°	109.7	71.1	52.9	42.6	36.4	32.2	31.1	30.7	31.1	32.2	36.4
105°	107.8	76.3	60.8	50.9	45.2	41.7	39.9	39.9	39.9	41.7	45.2
107.5°	111.0	84.1	69.1	60.2	54.3	51.4	49.7	49.0	49.7	51.4	54.3
110°	114.2	89.8	75.3	66.1	60.8	57.6	56.2	55.5	56.2	57.6	60.8



TEST NUMBER: P333582

CATALOG NUMBER: S125RDIP-S1090D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	118.1	95.1	81.2	72.3	67.0	63.8	62.7	62.0	62.7	63.8	67.0
115°	124.0	103.6	90.5	81.6	76.3	73.2	72.1	71.4	72.1	73.2	76.3
117.5°	130.8	112.2	99.8	91.3	85.2	82.1	80.9	79.9	80.9	82.1	85.2
120°	135.4	118.4	106.0	97.2	91.2	88.0	86.6	85.5	86.6	88.0	91.2
122.5°	140.4	124.3	112.0	103.1	96.6	93.4	92.2	91.5	92.2	93.4	96.6
125°	147.4	132.2	120.5	111.3	104.6	101.4	99.7	99.0	99.7	101.4	104.6
127.5°	153.7	139.7	128.5	119.3	112.2	108.1	105.9	104.8	105.9	108.1	112.2
130°	158.0	144.5	133.6	124.4	117.0	112.4	109.6	108.5	109.6	112.4	117.0
132.5°	161.7	149.1	138.1	128.9	121.2	116.1	112.7	111.3	112.7	116.1	121.2
135°	166.8	155.1	144.2	134.7	127.2	121.6	117.3	115.9	117.3	121.6	127.2
137.5°	170.6	159.5	149.5	139.7	132.4	126.7	122.8	121.7	122.8	126.7	132.4
140°	173.2	162.6	152.3	142.8	136.1	130.4	126.2	125.1	126.2	130.4	136.1
142.5°	174.6	164.5	154.9	145.9	139.5	133.8	129.8	129.1	129.8	133.8	139.5
145°	176.7	167.9	158.7	150.6	144.2	139.2	135.7	135.0	135.7	139.2	144.2
147.5°	178.0	170.0	161.9	154.8	149.3	144.7	141.6	141.2	141.6	144.7	149.3
150°	178.8	171.4	163.6	157.6	152.7	148.1	145.6	144.9	145.6	148.1	152.7
152.5°	179.4	172.8	165.6	160.2	155.5	151.5	149.3	148.9	149.3	151.5	155.5
155°	179.9	174.2	168.2	163.3	159.7	156.2	154.1	154.1	154.1	156.2	159.7
157.5°	180.2	175.4	170.3	166.5	163.4	160.4	158.7	158.8	158.7	160.4	163.4
160°	180.2	176.0	171.4	168.2	165.4	162.9	161.5	161.9	161.5	162.9	165.4
162.5°	180.0	176.6	172.5	169.9	167.7	165.5	164.1	164.4	164.1	165.5	167.7
165°	179.5	176.7	173.9	171.8	170.3	168.6	167.5	168.2	167.5	168.6	170.3
167.5°	178.7	176.7	174.4	173.0	172.0	171.1	170.4	170.8	170.4	171.1	172.0
170°	178.1	176.7	174.9	173.9	173.2	172.5	172.1	172.5	172.1	172.5	173.2
172.5°	177.6	176.4	174.9	174.4	174.0	173.3	173.0	173.6	173.0	173.3	174.0
175°	176.7	176.0	174.9	174.9	174.9	174.6	174.2	174.9	174.2	174.6	174.9
177.5°	175.9	175.6	175.0	175.0	175.3	175.0	175.0	175.6	175.0	175.0	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333582

CATALOG NUMBER: S125RDIP-S1090D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1616.6	1609.1	1603.7	1592.9	1585.3	1582.1	1576.1	1574.5	1580.4	1576.1	1575.6
5°	1568.6	1549.0	1533.5	1517.9	1501.1	1490.3	1474.1	1471.4	1467.3	1461.2	1459.9
7.5°	1510.9	1485.4	1465.4	1439.8	1417.5	1399.6	1379.3	1369.7	1364.5	1356.6	1346.1
10°	1472.0	1441.7	1414.7	1389.0	1361.4	1339.1	1318.8	1303.3	1293.2	1283.7	1279.7
12.5°	1433.7	1402.8	1368.2	1337.2	1306.3	1281.3	1258.9	1248.8	1237.6	1226.5	1217.1
15°	1374.2	1333.0	1295.2	1259.4	1233.1	1206.1	1184.5	1169.7	1152.8	1148.1	1129.9
17.5°	1311.0	1270.6	1226.4	1188.7	1158.2	1128.5	1104.7	1087.9	1075.2	1057.8	1049.4
20°	1271.6	1223.7	1180.5	1146.1	1112.3	1077.2	1052.9	1038.7	1026.6	1012.4	1005.7
22.5°	1229.5	1182.6	1138.4	1098.0	1063.7	1029.2	1011.9	997.2	983.4	970.3	961.4
25°	1167.6	1120.4	1073.8	1032.0	996.2	971.2	951.0	934.1	926.7	913.9	904.4
27.5°	1106.5	1056.3	1008.0	966.2	938.2	913.5	896.9	883.5	870.1	858.9	850.7
30°	1067.1	1015.8	963.1	930.1	900.4	876.7	858.5	845.7	835.6	825.5	819.4
32.5°	1027.7	974.8	928.0	892.3	864.2	843.8	825.0	812.8	802.1	790.9	783.7
35°	964.5	910.5	872.7	837.6	809.9	791.0	778.2	760.7	751.9	743.8	736.4
37.5°	905.8	855.6	814.7	783.9	759.8	741.1	724.5	715.0	704.2	696.9	690.7
40°	862.6	816.7	779.6	747.2	729.6	708.7	693.2	681.0	672.9	663.5	656.7
42.5°	823.7	781.0	745.0	715.8	694.0	676.3	661.3	649.2	638.9	632.2	626.5
45°	768.8	726.2	691.1	664.1	643.9	627.0	611.5	605.4	591.9	583.8	581.1
47.5°	711.9	673.9	640.0	615.1	594.4	578.4	563.8	551.4	544.0	536.0	531.7
50°	673.6	637.1	605.4	581.1	560.9	543.3	529.8	521.7	511.6	504.2	498.8
52.5°	635.3	601.5	569.8	546.6	529.0	511.5	496.4	488.3	478.7	473.9	470.2
55°	580.5	544.7	517.7	494.7	476.5	460.3	446.1	438.0	432.0	427.2	425.9
57.5°	518.4	490.0	464.9	444.2	425.3	410.1	397.7	390.0	384.6	383.9	379.9
60°	477.9	452.2	429.3	407.0	390.8	376.6	365.8	357.0	351.6	351.0	349.6
62.5°	437.4	412.8	391.5	371.9	357.3	343.7	333.4	323.6	320.3	317.0	314.0
65°	377.3	355.0	337.5	321.9	306.4	294.9	284.8	278.8	271.3	267.3	259.9
67.5°	318.3	301.0	284.2	271.1	258.9	248.0	239.6	230.6	225.6	222.3	216.9
70°	279.4	265.9	249.1	234.9	225.4	216.7	209.9	199.8	196.4	193.7	191.0
72.5°	242.7	230.8	216.7	205.2	195.7	187.5	179.7	174.9	171.6	168.9	167.3
75°	191.0	179.5	167.4	159.3	152.5	145.8	141.7	138.4	137.0	136.3	133.6
77.5°	140.3	134.2	124.5	118.0	113.5	110.8	107.2	105.4	105.3	102.3	101.4
80°	107.3	103.9	95.8	93.1	89.8	87.1	85.0	81.7	78.3	76.9	74.9
82.5°	79.8	76.4	73.2	68.8	66.0	64.4	62.4	61.1	61.6	59.7	58.7
85°	42.5	39.1	37.8	37.1	35.8	37.1	36.4	35.8	35.1	34.4	35.1
87.5°	14.1	14.2	13.7	15.0	13.4	14.1	14.2	13.7	13.8	13.8	13.4
90°	2.8	3.5	3.9	4.6	4.9	5.7	6.0	6.4	6.7	7.1	7.8
92.5°	18.7	29.0	48.3	80.6	115.8	113.9	92.2	62.6	45.4	34.2	29.0
95°	26.5	42.4	80.2	158.0	255.5	313.1	306.4	254.1	200.4	156.9	127.2
97.5°	32.7	44.1	69.1	126.1	228.2	334.4	387.7	378.4	340.8	298.4	257.1
100°	37.5	48.1	68.6	114.5	203.6	319.1	407.5	434.7	417.4	381.0	344.2
102.5°	42.6	52.9	71.1	109.7	184.9	292.3	395.6	453.6	464.3	446.9	422.0
105°	50.9	60.8	76.3	107.8	166.8	256.2	357.7	442.5	490.9	506.4	502.6
107.5°	60.2	69.1	84.1	111.0	159.2	231.4	318.9	402.6	467.2	507.1	525.6
110°	66.1	75.3	89.8	114.2	156.9	219.8	296.9	373.2	440.4	490.2	520.2



TEST NUMBER: P333582

CATALOG NUMBER: S125RDIP-S1090D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	72.3	81.2	95.1	118.1	156.9	213.0	280.5	350.0	413.8	464.2	499.6
115°	81.6	90.5	103.6	124.0	158.0	205.7	262.6	320.9	375.7	424.1	462.6
117.5°	91.3	99.8	112.2	130.8	160.3	202.1	251.9	302.1	349.3	391.0	426.4
120°	97.2	106.0	118.4	135.4	162.6	200.4	246.0	291.9	334.3	373.2	404.3
122.5°	103.1	112.0	124.3	140.4	164.5	199.0	240.9	284.3	323.6	358.2	387.3
125°	111.3	120.5	132.2	147.4	167.9	197.2	234.0	273.2	309.2	340.0	365.4
127.5°	119.3	128.5	139.7	153.7	171.6	196.4	227.6	261.9	295.5	324.2	348.0
130°	124.4	133.6	144.5	158.0	173.9	195.8	223.4	254.8	285.9	313.5	336.5
132.5°	128.9	138.1	149.1	161.7	176.4	195.8	220.0	247.7	276.9	301.9	324.0
135°	134.7	144.2	155.1	166.8	179.9	195.8	215.9	238.6	262.9	285.6	305.7
137.5°	139.7	149.5	159.5	170.6	183.1	196.2	212.3	230.8	250.5	269.3	286.4
140°	142.8	152.3	162.6	173.2	184.5	196.5	210.6	226.5	243.1	259.4	274.2
142.5°	145.9	154.9	164.5	174.6	185.3	196.8	209.2	222.9	236.9	250.9	263.8
145°	150.6	158.7	167.9	176.7	186.2	196.5	207.1	218.1	229.0	240.0	249.5
147.5°	154.8	161.9	170.0	178.0	186.6	195.6	204.9	213.5	222.4	230.9	238.1
150°	157.6	163.6	171.4	178.8	186.6	194.7	203.2	211.0	218.8	225.5	231.8
152.5°	160.2	165.6	172.8	179.4	186.3	193.6	201.2	208.2	215.1	221.2	226.2
155°	163.3	168.2	174.2	179.9	185.5	191.6	197.9	203.9	209.6	214.5	218.4
157.5°	166.5	170.3	175.4	180.2	184.6	189.4	194.8	199.7	204.3	208.2	211.2
160°	168.2	171.4	176.0	180.2	183.8	188.0	192.3	196.9	200.4	203.9	206.4
162.5°	169.9	172.5	176.6	180.0	182.9	186.3	190.0	193.7	197.0	200.0	202.2
165°	171.8	173.9	176.7	179.5	181.7	183.8	186.6	189.4	191.9	194.0	195.8
167.5°	173.0	174.4	176.7	178.7	179.7	181.3	183.3	185.3	187.0	188.6	189.9
170°	173.9	174.9	176.7	178.1	178.8	179.9	181.3	183.1	184.1	185.2	185.9
172.5°	174.4	174.9	176.4	177.6	177.7	178.2	179.3	180.5	181.6	182.4	182.8
175°	174.9	174.9	176.0	176.7	176.4	176.4	176.7	177.8	177.8	178.5	178.5
177.5°	175.0	175.0	175.6	175.9	175.3	175.3	175.6	175.9	176.1	176.1	176.1
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333582

CATALOG NUMBER: S125RDIP-S1090D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1575.0	1569.1	1567.5	1569.6	1567.5	1569.1	1575.0	1575.6	1576.1	1580.4	1574.5
5°	1453.2	1446.4	1449.8	1448.4	1449.8	1446.4	1453.2	1459.9	1461.2	1467.3	1471.4
7.5°	1346.0	1337.6	1328.7	1331.5	1328.7	1337.6	1346.0	1346.1	1356.6	1364.5	1369.7
10°	1270.9	1264.2	1260.1	1263.5	1260.1	1264.2	1270.9	1279.7	1283.7	1293.2	1303.3
12.5°	1207.7	1203.7	1200.2	1198.7	1200.2	1203.7	1207.7	1217.1	1226.5	1237.6	1248.8
15°	1121.8	1113.7	1110.3	1101.5	1110.3	1113.7	1121.8	1129.9	1148.1	1152.8	1169.7
17.5°	1042.5	1039.8	1031.0	1027.3	1031.0	1039.8	1042.5	1049.4	1057.8	1075.2	1087.9
20°	995.5	992.8	984.1	989.5	984.1	992.8	995.5	1005.7	1012.4	1026.6	1038.7
22.5°	956.7	950.7	947.9	946.3	947.9	950.7	956.7	961.4	970.3	983.4	997.2
25°	901.7	892.9	889.6	885.5	889.6	892.9	901.7	904.4	913.9	926.7	934.1
27.5°	846.9	842.2	837.7	836.7	837.7	842.2	846.9	850.7	858.9	870.1	883.5
30°	811.3	806.6	803.2	803.2	803.2	806.6	811.3	819.4	825.5	835.6	845.7
32.5°	779.4	775.8	772.4	771.9	772.4	775.8	779.4	783.7	790.9	802.1	812.8
35°	733.0	727.6	726.2	722.2	726.2	727.6	733.0	736.4	743.8	751.9	760.7
37.5°	684.8	680.3	680.2	679.8	680.2	680.3	684.8	690.7	696.9	704.2	715.0
40°	654.0	650.6	650.0	645.2	650.0	650.6	654.0	656.7	663.5	672.9	681.0
42.5°	621.1	619.3	617.0	615.0	617.0	619.3	621.1	626.5	632.2	638.9	649.2
45°	576.4	571.7	571.7	568.3	571.7	571.7	576.4	581.1	583.8	591.9	605.4
47.5°	530.2	526.6	527.0	523.5	527.0	526.6	530.2	531.7	536.0	544.0	551.4
50°	499.5	497.4	496.8	495.4	496.8	497.4	499.5	498.8	504.2	511.6	521.7
52.5°	468.7	467.7	470.3	467.3	470.3	467.7	468.7	470.2	473.9	478.7	488.3
55°	427.2	425.2	429.3	425.2	429.3	425.2	427.2	425.9	427.2	432.0	438.0
57.5°	379.6	377.7	381.3	379.3	381.3	377.7	379.6	379.9	383.9	384.6	390.0
60°	348.3	344.2	346.2	346.9	346.2	344.2	348.3	349.6	351.0	351.6	357.0
62.5°	311.0	308.6	310.1	307.0	310.1	308.6	311.0	314.0	317.0	320.3	323.6
65°	258.5	256.5	253.8	252.4	253.8	256.5	258.5	259.9	267.3	271.3	278.8
67.5°	217.2	212.3	212.2	213.3	212.2	212.3	217.2	216.9	222.3	225.6	230.6
70°	187.0	187.0	186.3	186.3	186.3	187.0	187.0	191.0	193.7	196.4	199.8
72.5°	165.9	165.4	164.1	163.6	164.1	165.4	165.9	167.3	168.9	171.6	174.9
75°	133.6	134.3	133.0	132.3	133.0	134.3	133.6	133.6	136.3	137.0	138.4
77.5°	98.7	95.8	97.3	95.8	97.3	95.8	98.7	101.4	102.3	105.3	105.4
80°	74.9	74.2	76.3	74.2	76.3	74.2	74.9	74.9	76.9	78.3	81.7
82.5°	59.3	58.6	59.5	58.0	59.5	58.6	59.3	58.7	59.7	61.6	61.1
85°	35.8	35.1	34.4	35.1	34.4	35.1	35.8	35.1	34.4	35.1	35.8
87.5°	14.0	13.4	13.5	13.5	13.5	13.4	14.0	13.4	13.8	13.8	13.7
90°	7.8	7.8	8.1	8.1	8.1	7.8	7.8	7.8	7.1	6.7	6.4
92.5°	24.5	23.6	23.1	22.5	23.1	23.6	24.5	29.0	34.2	45.4	62.6
95°	102.1	91.5	88.7	83.1	88.7	91.5	102.1	127.2	156.9	200.4	254.1
97.5°	235.3	215.5	205.3	200.7	205.3	215.5	235.3	257.1	298.4	340.8	378.4
100°	319.8	294.4	281.3	275.7	281.3	294.4	319.8	344.2	381.0	417.4	434.7
102.5°	395.9	377.8	363.6	359.4	363.6	377.8	395.9	422.0	446.9	464.3	453.6
105°	491.2	479.6	472.5	468.3	472.5	479.6	491.2	502.6	506.4	490.9	442.5
107.5°	531.3	531.3	528.9	526.1	528.9	531.3	531.3	525.6	507.1	467.2	402.6
110°	536.1	542.8	545.3	545.3	545.3	542.8	536.1	520.2	490.2	440.4	373.2



TEST NUMBER: P333582

CATALOG NUMBER: S125RDIP-S1090D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	522.8	534.4	540.5	543.1	540.5	534.4	522.8	499.6	464.2	413.8	350.0
115°	490.2	507.1	517.0	521.6	517.0	507.1	490.2	462.6	424.1	375.7	320.9
117.5°	453.9	471.5	481.3	484.1	481.3	471.5	453.9	426.4	391.0	349.3	302.1
120°	430.5	447.4	457.0	459.8	457.0	447.4	430.5	404.3	373.2	334.3	291.9
122.5°	410.7	426.2	435.8	438.3	435.8	426.2	410.7	387.3	358.2	323.6	284.3
125°	385.2	399.7	407.5	411.0	407.5	399.7	385.2	365.4	340.0	309.2	273.2
127.5°	366.0	378.8	386.1	387.7	386.1	378.8	366.0	348.0	324.2	295.5	261.9
130°	354.1	365.8	372.9	375.0	372.9	365.8	354.1	336.5	313.5	285.9	254.8
132.5°	341.7	353.3	359.8	362.2	359.8	353.3	341.7	324.0	301.9	276.9	247.7
135°	321.3	332.9	339.3	341.4	339.3	332.9	321.3	305.7	285.6	262.9	238.6
137.5°	300.3	310.9	316.8	319.1	316.8	310.9	300.3	286.4	269.3	250.5	230.8
140°	287.3	296.5	301.8	303.6	301.8	296.5	287.3	274.2	259.4	243.1	226.5
142.5°	274.9	282.7	287.7	289.2	287.7	282.7	274.9	263.8	250.9	236.9	222.9
145°	258.0	264.0	267.9	269.3	267.9	264.0	258.0	249.5	240.0	229.0	218.1
147.5°	244.8	249.6	251.8	252.5	251.8	249.6	244.8	238.1	230.9	222.4	213.5
150°	237.1	241.4	242.8	243.1	242.8	241.4	237.1	231.8	225.5	218.8	211.0
152.5°	230.6	234.0	235.4	235.8	235.4	234.0	230.6	226.2	221.2	215.1	208.2
155°	221.9	224.4	225.5	225.8	225.5	224.4	221.9	218.4	214.5	209.6	203.9
157.5°	214.0	216.0	217.0	216.9	217.0	216.0	214.0	211.2	208.2	204.3	199.7
160°	208.9	210.6	211.3	211.0	211.3	210.6	208.9	206.4	203.9	200.4	196.9
162.5°	204.1	205.5	205.7	205.6	205.7	205.5	204.1	202.2	200.0	197.0	193.7
165°	197.2	197.9	197.9	197.9	197.9	197.9	197.2	195.8	194.0	191.9	189.4
167.5°	190.6	191.2	190.9	190.8	190.9	191.2	190.6	189.9	188.6	187.0	185.3
170°	186.6	187.0	187.0	186.6	187.0	187.0	186.6	185.9	185.2	184.1	183.1
172.5°	182.9	183.6	183.0	182.6	183.0	183.6	182.9	182.8	182.4	181.6	180.5
175°	178.5	178.8	178.1	177.8	178.1	178.8	178.5	178.5	178.5	177.8	177.8
177.5°	175.9	176.1	175.3	175.3	175.3	176.1	175.9	176.1	176.1	176.1	175.9
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333582

CATALOG NUMBER: S125RDIP-S1090D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1576.1	1582.1	1585.3	1592.9	1603.7	1609.1	1616.6	1622.0	1629.6	1638.8	1646.3
5°	1474.1	1490.3	1501.1	1517.9	1533.5	1549.0	1568.6	1582.7	1601.6	1623.2	1640.1
7.5°	1379.3	1399.6	1417.5	1439.8	1465.4	1485.4	1510.9	1537.0	1566.5	1597.2	1626.1
10°	1318.8	1339.1	1361.4	1389.0	1414.7	1441.7	1472.0	1502.4	1539.5	1574.0	1613.1
12.5°	1258.9	1281.3	1306.3	1337.2	1368.2	1402.8	1433.7	1467.9	1507.7	1552.4	1594.2
15°	1184.5	1206.1	1233.1	1259.4	1295.2	1333.0	1374.2	1419.4	1463.9	1513.9	1565.9
17.5°	1104.7	1128.5	1158.2	1188.7	1226.4	1270.6	1311.0	1360.5	1410.6	1468.8	1530.0
20°	1052.9	1077.2	1112.3	1146.1	1180.5	1223.7	1271.6	1322.2	1375.5	1437.0	1505.1
22.5°	1011.9	1029.2	1063.7	1098.0	1138.4	1182.6	1229.5	1282.3	1340.4	1404.0	1475.4
25°	951.0	971.2	996.2	1032.0	1073.8	1120.4	1167.6	1223.7	1287.1	1351.9	1428.2
27.5°	896.9	913.5	938.2	966.2	1008.0	1056.3	1106.5	1164.9	1230.0	1296.0	1376.2
30°	858.5	876.7	900.4	930.1	963.1	1015.8	1067.1	1124.5	1190.6	1258.8	1341.1
32.5°	825.0	843.8	864.2	892.3	928.0	974.8	1027.7	1084.0	1151.2	1221.5	1301.7
35°	778.2	791.0	809.9	837.6	872.7	910.5	964.5	1023.9	1089.4	1162.3	1242.6
37.5°	724.5	741.1	759.8	783.9	814.7	855.6	905.8	965.8	1026.6	1096.4	1169.7
40°	693.2	708.7	729.6	747.2	779.6	816.7	862.6	925.3	986.1	1051.6	1118.4
42.5°	661.3	676.3	694.0	715.8	745.0	781.0	823.7	882.1	947.2	1008.9	1064.9
45°	611.5	627.0	643.9	664.1	691.1	726.2	768.8	822.1	878.8	935.5	978.0
47.5°	563.8	578.4	594.4	615.1	640.0	673.9	711.9	759.0	814.1	862.3	892.7
50°	529.8	543.3	560.9	581.1	605.4	637.1	673.6	720.2	766.1	809.9	837.6
52.5°	496.4	511.5	529.0	546.6	569.8	601.5	635.3	675.3	719.1	754.9	777.7
55°	446.1	460.3	476.5	494.7	517.7	544.7	580.5	612.2	646.6	677.0	690.5
57.5°	397.7	410.1	425.3	444.2	464.9	490.0	518.4	548.9	573.2	594.6	609.9
60°	365.8	376.6	390.8	407.0	429.3	452.2	477.9	506.2	525.1	543.3	557.5
62.5°	333.4	343.7	357.3	371.9	391.5	412.8	437.4	460.3	478.7	491.0	507.3
65°	284.8	294.9	306.4	321.9	337.5	355.0	377.3	394.2	407.0	420.5	430.6
67.5°	239.6	248.0	258.9	271.1	284.2	301.0	318.3	332.3	341.1	349.2	361.4
70°	209.9	216.7	225.4	234.9	249.1	265.9	279.4	290.2	296.3	304.4	319.2
72.5°	179.7	187.5	195.7	205.2	216.7	230.8	242.7	253.5	257.4	263.9	273.4
75°	141.7	145.8	152.5	159.3	167.4	179.5	191.0	193.7	197.1	202.5	209.2
77.5°	107.2	110.8	113.5	118.0	124.5	134.2	140.3	144.3	145.1	147.1	153.8
80°	85.0	87.1	89.8	93.1	95.8	103.9	107.3	111.4	112.7	114.7	118.1
82.5°	62.4	64.4	66.0	68.8	73.2	76.4	79.8	83.8	84.1	85.6	86.3
85°	36.4	37.1	35.8	37.1	37.8	39.1	42.5	45.9	45.2	44.5	46.6
87.5°	14.2	14.1	13.4	15.0	13.7	14.2	14.1	14.5	15.4	16.3	17.3
90°	6.0	5.7	4.9	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4
92.5°	92.2	113.9	115.8	80.6	48.3	29.0	18.7	12.6	8.2	5.2	4.3
95°	306.4	313.1	255.5	158.0	80.2	42.4	26.5	18.7	14.8	12.0	11.7
97.5°	387.7	334.4	228.2	126.1	69.1	44.1	32.7	25.7	21.8	19.8	19.4
100°	407.5	319.1	203.6	114.5	68.6	48.1	37.5	30.7	26.9	25.4	24.7
102.5°	395.6	292.3	184.9	109.7	71.1	52.9	42.6	36.4	32.2	31.1	30.7
105°	357.7	256.2	166.8	107.8	76.3	60.8	50.9	45.2	41.7	39.9	39.9
107.5°	318.9	231.4	159.2	111.0	84.1	69.1	60.2	54.3	51.4	49.7	49.0
110°	296.9	219.8	156.9	114.2	89.8	75.3	66.1	60.8	57.6	56.2	55.5



TEST NUMBER: P333582

CATALOG NUMBER: S125RDIP-S1090D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	280.5	213.0	156.9	118.1	95.1	81.2	72.3	67.0	63.8	62.7	62.0
115°	262.6	205.7	158.0	124.0	103.6	90.5	81.6	76.3	73.2	72.1	71.4
117.5°	251.9	202.1	160.3	130.8	112.2	99.8	91.3	85.2	82.1	80.9	79.9
120°	246.0	200.4	162.6	135.4	118.4	106.0	97.2	91.2	88.0	86.6	85.5
122.5°	240.9	199.0	164.5	140.4	124.3	112.0	103.1	96.6	93.4	92.2	91.5
125°	234.0	197.2	167.9	147.4	132.2	120.5	111.3	104.6	101.4	99.7	99.0
127.5°	227.6	196.4	171.6	153.7	139.7	128.5	119.3	112.2	108.1	105.9	104.8
130°	223.4	195.8	173.9	158.0	144.5	133.6	124.4	117.0	112.4	109.6	108.5
132.5°	220.0	195.8	176.4	161.7	149.1	138.1	128.9	121.2	116.1	112.7	111.3
135°	215.9	195.8	179.9	166.8	155.1	144.2	134.7	127.2	121.6	117.3	115.9
137.5°	212.3	196.2	183.1	170.6	159.5	149.5	139.7	132.4	126.7	122.8	121.7
140°	210.6	196.5	184.5	173.2	162.6	152.3	142.8	136.1	130.4	126.2	125.1
142.5°	209.2	196.8	185.3	174.6	164.5	154.9	145.9	139.5	133.8	129.8	129.1
145°	207.1	196.5	186.2	176.7	167.9	158.7	150.6	144.2	139.2	135.7	135.0
147.5°	204.9	195.6	186.6	178.0	170.0	161.9	154.8	149.3	144.7	141.6	141.2
150°	203.2	194.7	186.6	178.8	171.4	163.6	157.6	152.7	148.1	145.6	144.9
152.5°	201.2	193.6	186.3	179.4	172.8	165.6	160.2	155.5	151.5	149.3	148.9
155°	197.9	191.6	185.5	179.9	174.2	168.2	163.3	159.7	156.2	154.1	154.1
157.5°	194.8	189.4	184.6	180.2	175.4	170.3	166.5	163.4	160.4	158.7	158.8
160°	192.3	188.0	183.8	180.2	176.0	171.4	168.2	165.4	162.9	161.5	161.9
162.5°	190.0	186.3	182.9	180.0	176.6	172.5	169.9	167.7	165.5	164.1	164.4
165°	186.6	183.8	181.7	179.5	176.7	173.9	171.8	170.3	168.6	167.5	168.2
167.5°	183.3	181.3	179.7	178.7	176.7	174.4	173.0	172.0	171.1	170.4	170.8
170°	181.3	179.9	178.8	178.1	176.7	174.9	173.9	173.2	172.5	172.1	172.5
172.5°	179.3	178.2	177.7	177.6	176.4	174.9	174.4	174.0	173.3	173.0	173.6
175°	176.7	176.4	176.4	176.7	176.0	174.9	174.9	174.9	174.6	174.2	174.9
177.5°	175.6	175.3	175.3	175.9	175.6	175.0	175.0	175.3	175.0	175.0	175.6
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333582

CATALOG NUMBER: S125RDIP-S1090D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1652.3	1657.1	1664.1	1672.2	1678.7	1685.7	1689.5	1689.5	1692.8	1699.8	1709.0
5°	1657.0	1674.5	1691.4	1713.0	1729.9	1749.4	1764.3	1778.5	1791.3	1807.5	1824.4
7.5°	1655.6	1684.8	1715.2	1749.2	1786.7	1816.5	1847.2	1871.2	1895.0	1926.0	1950.4
10°	1650.2	1688.0	1729.2	1772.4	1819.6	1860.8	1897.9	1931.7	1964.1	1997.8	2028.2
12.5°	1640.5	1688.6	1738.9	1790.8	1850.4	1897.5	1945.5	1981.4	2019.2	2056.1	2093.5
15°	1625.9	1682.6	1743.4	1815.6	1888.5	1941.1	1988.4	2035.0	2070.0	2111.9	2147.7
17.5°	1595.8	1668.9	1745.3	1824.2	1894.3	1955.4	2005.0	2049.3	2086.7	2132.7	2181.3
20°	1578.0	1657.0	1736.6	1821.0	1887.8	1950.6	1998.5	2044.4	2091.0	2151.0	2210.4
22.5°	1553.2	1637.5	1722.0	1802.1	1872.7	1933.3	1982.8	2039.0	2100.1	2168.3	2240.1
25°	1513.9	1601.0	1684.7	1760.9	1829.8	1891.9	1959.4	2035.0	2109.2	2199.0	2302.2
27.5°	1464.1	1548.0	1622.7	1703.3	1771.7	1850.7	1934.9	2016.9	2123.9	2247.4	2376.3
30°	1426.8	1506.5	1577.3	1653.6	1731.2	1818.3	1912.8	2009.3	2136.9	2282.0	2435.2
32.5°	1383.6	1455.7	1526.0	1599.6	1689.1	1784.8	1885.2	2003.4	2155.8	2320.9	2479.5
35°	1308.7	1373.5	1441.7	1523.3	1618.5	1722.5	1850.7	1994.5	2178.7	2356.2	2498.6
37.5°	1230.1	1281.3	1349.7	1435.9	1539.5	1659.8	1805.3	1980.0	2169.3	2328.5	2389.2
40°	1169.7	1217.6	1289.8	1380.3	1482.8	1614.5	1777.8	1957.3	2147.7	2258.4	2253.6
42.5°	1109.7	1158.2	1227.7	1318.7	1425.6	1572.9	1741.1	1927.6	2088.3	2130.4	2042.5
45°	1017.8	1063.0	1131.2	1223.0	1337.7	1492.3	1669.1	1848.0	1950.6	1882.4	1708.3
47.5°	924.1	968.0	1031.3	1121.2	1246.5	1408.2	1575.4	1722.2	1736.6	1590.2	1381.3
50°	862.6	903.7	963.8	1059.7	1181.1	1339.1	1500.4	1615.8	1580.0	1401.2	1185.9
52.5°	802.6	842.2	898.5	988.9	1113.1	1267.8	1411.8	1502.4	1419.7	1229.5	1035.8
55°	714.1	751.9	808.6	891.6	1004.3	1146.1	1272.3	1305.3	1183.8	992.2	835.6
57.5°	630.0	657.7	713.7	787.1	895.8	1020.8	1111.2	1105.3	971.2	798.6	686.3
60°	574.4	599.3	652.7	720.2	823.4	935.5	998.9	971.9	836.3	693.8	585.8
62.5°	522.5	545.9	590.6	652.7	741.4	838.8	885.0	847.7	719.6	594.5	508.6
65°	444.1	461.0	496.8	554.1	623.6	691.1	732.3	677.6	564.3	469.8	405.0
67.5°	370.8	385.4	417.2	458.4	506.3	552.9	569.7	518.4	430.2	366.5	320.9
70°	323.3	336.8	358.4	396.9	428.6	461.7	469.8	423.9	350.3	301.7	273.4
72.5°	277.9	290.4	309.3	336.4	358.4	377.4	381.2	338.6	282.3	248.8	226.9
75°	211.9	222.7	234.9	245.0	259.2	262.6	261.2	228.1	197.8	175.5	163.3
77.5°	155.8	160.2	167.7	171.7	172.4	172.1	165.2	144.3	128.6	119.5	114.5
80°	120.1	123.5	125.5	126.9	127.6	120.8	113.4	100.6	95.2	89.8	83.7
82.5°	87.2	89.5	91.5	91.8	88.1	82.5	75.6	69.2	65.5	62.8	60.5
85°	47.2	47.9	47.2	43.9	39.1	37.1	35.8	34.4	33.7	33.1	33.1
87.5°	16.9	15.4	12.8	13.5	13.7	13.2	13.3	12.9	12.5	12.5	12.6
90°	0.7	1.4	2.1	2.8	3.5	3.9	4.6	4.9	5.7	6.0	6.4
92.5°	5.2	8.2	12.6	18.7	29.0	48.3	80.6	115.8	113.9	92.2	62.6
95°	12.0	14.8	18.7	26.5	42.4	80.2	158.0	255.5	313.1	306.4	254.1
97.5°	19.8	21.8	25.7	32.7	44.1	69.1	126.1	228.2	334.4	387.7	378.4
100°	25.4	26.9	30.7	37.5	48.1	68.6	114.5	203.6	319.1	407.5	434.7
102.5°	31.1	32.2	36.4	42.6	52.9	71.1	109.7	184.9	292.3	395.6	453.6
105°	39.9	41.7	45.2	50.9	60.8	76.3	107.8	166.8	256.2	357.7	442.5
107.5°	49.7	51.4	54.3	60.2	69.1	84.1	111.0	159.2	231.4	318.9	402.6
110°	56.2	57.6	60.8	66.1	75.3	89.8	114.2	156.9	219.8	296.9	373.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	62.7	63.8	67.0	72.3	81.2	95.1	118.1	156.9	213.0	280.5	350.0
115°	72.1	73.2	76.3	81.6	90.5	103.6	124.0	158.0	205.7	262.6	320.9
117.5°	80.9	82.1	85.2	91.3	99.8	112.2	130.8	160.3	202.1	251.9	302.1
120°	86.6	88.0	91.2	97.2	106.0	118.4	135.4	162.6	200.4	246.0	291.9
122.5°	92.2	93.4	96.6	103.1	112.0	124.3	140.4	164.5	199.0	240.9	284.3
125°	99.7	101.4	104.6	111.3	120.5	132.2	147.4	167.9	197.2	234.0	273.2
127.5°	105.9	108.1	112.2	119.3	128.5	139.7	153.7	171.6	196.4	227.6	261.9
130°	109.6	112.4	117.0	124.4	133.6	144.5	158.0	173.9	195.8	223.4	254.8
132.5°	112.7	116.1	121.2	128.9	138.1	149.1	161.7	176.4	195.8	220.0	247.7
135°	117.3	121.6	127.2	134.7	144.2	155.1	166.8	179.9	195.8	215.9	238.6
137.5°	122.8	126.7	132.4	139.7	149.5	159.5	170.6	183.1	196.2	212.3	230.8
140°	126.2	130.4	136.1	142.8	152.3	162.6	173.2	184.5	196.5	210.6	226.5
142.5°	129.8	133.8	139.5	145.9	154.9	164.5	174.6	185.3	196.8	209.2	222.9
145°	135.7	139.2	144.2	150.6	158.7	167.9	176.7	186.2	196.5	207.1	218.1
147.5°	141.6	144.7	149.3	154.8	161.9	170.0	178.0	186.6	195.6	204.9	213.5
150°	145.6	148.1	152.7	157.6	163.6	171.4	178.8	186.6	194.7	203.2	211.0
152.5°	149.3	151.5	155.5	160.2	165.6	172.8	179.4	186.3	193.6	201.2	208.2
155°	154.1	156.2	159.7	163.3	168.2	174.2	179.9	185.5	191.6	197.9	203.9
157.5°	158.7	160.4	163.4	166.5	170.3	175.4	180.2	184.6	189.4	194.8	199.7
160°	161.5	162.9	165.4	168.2	171.4	176.0	180.2	183.8	188.0	192.3	196.9
162.5°	164.1	165.5	167.7	169.9	172.5	176.6	180.0	182.9	186.3	190.0	193.7
165°	167.5	168.6	170.3	171.8	173.9	176.7	179.5	181.7	183.8	186.6	189.4
167.5°	170.4	171.1	172.0	173.0	174.4	176.7	178.7	179.7	181.3	183.3	185.3
170°	172.1	172.5	173.2	173.9	174.9	176.7	178.1	178.8	179.9	181.3	183.1
172.5°	173.0	173.3	174.0	174.4	174.9	176.4	177.6	177.7	178.2	179.3	180.5
175°	174.2	174.6	174.9	174.9	174.9	176.0	176.7	176.4	176.4	176.7	177.8
177.5°	175.0	175.0	175.3	175.0	175.0	175.6	175.9	175.3	175.3	175.6	175.9
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1716.0	1716.0	1725.2	1724.6	1730.6	1728.4	1729.5
5°	1844.6	1856.1	1866.2	1873.0	1883.1	1885.8	1884.4
7.5°	1978.0	2003.5	2015.9	2032.9	2036.0	2044.9	2044.0
10°	2060.6	2085.6	2104.5	2119.3	2126.7	2136.2	2136.9
12.5°	2125.4	2146.6	2163.3	2177.1	2186.1	2189.1	2190.9
15°	2176.0	2199.6	2219.2	2238.8	2250.3	2259.0	2263.8
17.5°	2227.0	2263.5	2298.0	2324.6	2340.6	2354.1	2353.9
20°	2266.5	2308.3	2351.5	2381.9	2412.9	2426.4	2428.4
22.5°	2308.6	2372.6	2428.2	2475.3	2516.0	2530.1	2535.4
25°	2396.0	2479.7	2565.5	2631.6	2678.8	2706.5	2710.6
27.5°	2501.7	2615.0	2705.2	2766.2	2805.5	2826.0	2830.4
30°	2576.3	2680.9	2761.9	2807.8	2826.0	2828.7	2818.6
32.5°	2609.7	2687.9	2720.3	2717.6	2681.8	2658.1	2649.0
35°	2568.8	2552.6	2473.7	2379.2	2307.0	2261.1	2248.9
37.5°	2337.7	2198.0	2052.8	1910.0	1834.0	1795.3	1728.9
40°	2109.9	1910.8	1759.6	1639.4	1553.7	1484.9	1468.7
42.5°	1852.9	1647.3	1496.1	1393.2	1324.8	1277.5	1257.0
45°	1488.9	1312.1	1187.2	1108.3	1055.6	1021.2	1005.7
47.5°	1190.9	1054.0	963.0	904.6	864.5	834.5	826.1
50°	1027.3	917.9	841.0	791.7	761.3	738.4	728.9
52.5°	892.3	804.0	744.9	704.2	675.5	661.2	653.3
55°	736.4	660.1	617.6	585.2	569.0	557.5	552.1
57.5°	602.2	547.1	516.1	493.7	478.7	471.4	468.7
60°	527.1	483.9	455.6	438.0	427.9	418.5	415.8
62.5°	460.7	426.7	404.8	389.4	379.3	375.3	373.6
65°	371.2	348.9	332.7	323.3	315.2	313.8	313.2
67.5°	295.1	282.0	273.5	263.6	260.8	256.1	255.1
70°	252.4	243.7	233.5	230.2	226.8	222.1	222.7
72.5°	214.1	205.3	198.4	194.0	192.8	190.7	192.5
75°	156.6	153.9	151.2	147.8	146.5	146.5	145.8
77.5°	111.8	109.5	106.5	104.5	104.1	101.2	102.3
80°	81.0	77.6	76.3	76.9	74.9	74.2	74.2
82.5°	59.9	58.7	57.4	57.5	57.1	56.4	57.0
85°	33.1	32.4	32.4	31.7	31.7	31.0	31.0
87.5°	13.2	13.8	12.9	12.4	12.4	13.0	13.5
90°	6.7	7.1	7.8	7.8	7.8	8.1	8.1
92.5°	45.4	34.2	29.0	24.5	23.6	23.1	22.5
95°	200.4	156.9	127.2	102.1	91.5	88.7	83.1
97.5°	340.8	298.4	257.1	235.3	215.5	205.3	200.7
100°	417.4	381.0	344.2	319.8	294.4	281.3	275.7
102.5°	464.3	446.9	422.0	395.9	377.8	363.6	359.4
105°	490.9	506.4	502.6	491.2	479.6	472.5	468.3
107.5°	467.2	507.1	525.6	531.3	531.3	528.9	526.1
110°	440.4	490.2	520.2	536.1	542.8	545.3	545.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	413.8	464.2	499.6	522.8	534.4	540.5	543.1
115°	375.7	424.1	462.6	490.2	507.1	517.0	521.6
117.5°	349.3	391.0	426.4	453.9	471.5	481.3	484.1
120°	334.3	373.2	404.3	430.5	447.4	457.0	459.8
122.5°	323.6	358.2	387.3	410.7	426.2	435.8	438.3
125°	309.2	340.0	365.4	385.2	399.7	407.5	411.0
127.5°	295.5	324.2	348.0	366.0	378.8	386.1	387.7
130°	285.9	313.5	336.5	354.1	365.8	372.9	375.0
132.5°	276.9	301.9	324.0	341.7	353.3	359.8	362.2
135°	262.9	285.6	305.7	321.3	332.9	339.3	341.4
137.5°	250.5	269.3	286.4	300.3	310.9	316.8	319.1
140°	243.1	259.4	274.2	287.3	296.5	301.8	303.6
142.5°	236.9	250.9	263.8	274.9	282.7	287.7	289.2
145°	229.0	240.0	249.5	258.0	264.0	267.9	269.3
147.5°	222.4	230.9	238.1	244.8	249.6	251.8	252.5
150°	218.8	225.5	231.8	237.1	241.4	242.8	243.1
152.5°	215.1	221.2	226.2	230.6	234.0	235.4	235.8
155°	209.6	214.5	218.4	221.9	224.4	225.5	225.8
157.5°	204.3	208.2	211.2	214.0	216.0	217.0	216.9
160°	200.4	203.9	206.4	208.9	210.6	211.3	211.0
162.5°	197.0	200.0	202.2	204.1	205.5	205.7	205.6
165°	191.9	194.0	195.8	197.2	197.9	197.9	197.9
167.5°	187.0	188.6	189.9	190.6	191.2	190.9	190.8
170°	184.1	185.2	185.9	186.6	187.0	187.0	186.6
172.5°	181.6	182.4	182.8	182.9	183.6	183.0	182.6
175°	177.8	178.5	178.5	178.5	178.8	178.1	177.8
177.5°	176.1	176.1	176.1	175.9	176.1	175.3	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3

(END OF REPORT)