

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: P333297-840

Luminaire Tested: **S125DIP-S1270D365U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333297-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1270D365U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6562.0 lumens
Efficiency: N/A
Efficacy: 131.8 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-Direct

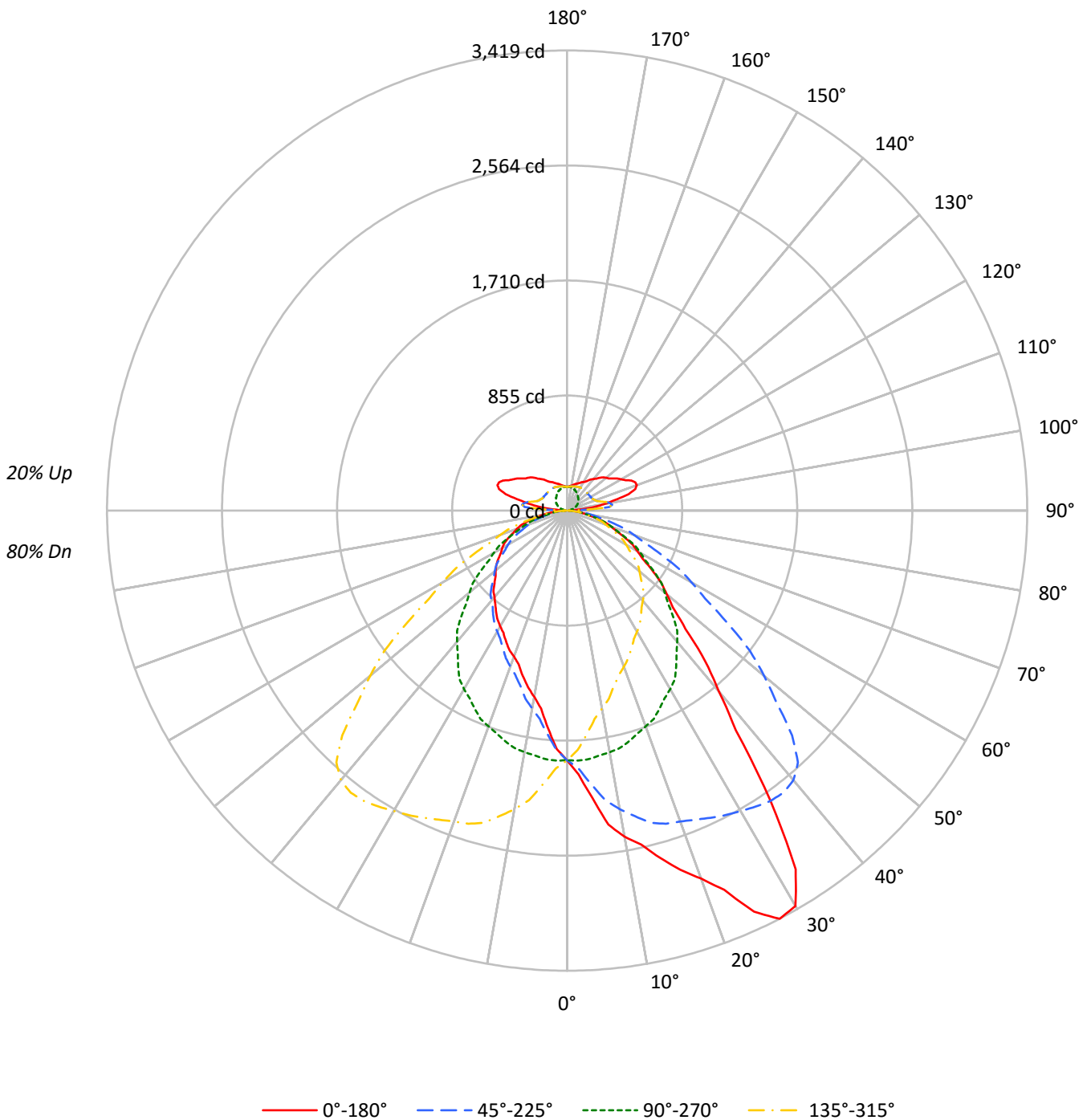
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80				
1	105	100	97	93	100	96	93	90	88	86	83	81	79	77	74	73	71	68				
2	96	88	82	77	91	85	79	74	78	73	69	72	68	65	66	63	61	57				
3	88	78	70	64	83	75	68	62	69	63	59	64	59	55	59	55	52	49				
4	80	69	61	55	77	67	59	53	62	55	50	57	52	48	53	48	45	42				
5	74	62	53	47	71	60	52	46	55	49	44	51	46	42	47	43	39	37				
6	68	56	47	41	65	54	46	40	50	43	38	46	41	37	43	38	35	32				
7	63	51	42	36	60	49	41	36	45	39	34	42	37	32	39	35	31	29				
8	59	46	38	32	56	45	37	32	42	35	30	39	33	29	36	31	28	26				
9	55	42	34	29	53	41	34	29	38	32	27	36	30	26	33	29	25	23				
10	51	39	31	26	49	38	31	26	35	29	25	33	28	24	31	26	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11978	11978	11978	11978
5°	13871	12019	10524	12019
10°	16138	11956	9220	11956
15°	17864	11869	8505	11869
20°	19996	11730	7932	11730
25°	23426	11573	7652	11573
30°	25302	11419	7409	11419
35°	20805	11129	7250	11129
40°	14787	10725	7075	10725
45°	11359	10181	6974	10181
50°	9697	9507	6961	9507
55°	8634	8847	7020	8847
60°	7789	8123	7198	8123
65°	7195	7398	7386	7398
70°	6541	6643	7493	6643
75°	5777	5854	7426	5854
80°	4861	4775	6791	4775
85°	3846	3446	5483	3446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	2.7
10°-20°	531.6	8.1
20°-30°	863.2	13.2
30°-40°	1053.0	16.0
40°-50°	957.9	14.6
50°-60°	763.0	11.6
60°-70°	531.4	8.1
70°-80°	283.4	4.3
80°-90°	72.5	1.1
90°-100°	128.3	2.0
100°-110°	275.8	4.2
110°-120°	258.9	3.9
120°-130°	209.8	3.2
130°-140°	168.4	2.6
140°-150°	127.0	1.9
150°-160°	89.4	1.4
160°-170°	52.7	0.8
170°-180°	17.1	0.3
0°-30°	1573.4	24.0
0°-40°	2626.3	40.0
0°-60°	4347.2	66.2
0°-90°	5234.5	79.8
90°-120°	663.0	10.1
90°-150°	1168.2	17.8
90°-180°	1328.0	20.2
0°-180°	6562.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1855	1855	1855	1855	1855	
5°	2140	1854	1623	1854	2140	216
15°	2672	1775	1272	1775	2672	765
25°	3287	1624	1074	1624	3287	1502
35°	2639	1412	920	1412	2639	1615
45°	1244	1115	764	1115	1244	995
55°	767	786	624	786	767	691
65°	471	484	483	484	471	467
75°	232	235	298	235	232	249
85°	52	46	74	46	52	60
90°	8	0	8	0	8	8
95°	84	12	84	12	84	119
105°	473	40	473	40	473	470
115°	527	72	527	72	527	515
125°	415	100	415	100	415	376
135°	345	117	345	117	345	267
145°	272	136	272	136	272	173
155°	228	156	228	156	228	106
165°	200	170	200	170	200	57
175°	180	177	180	177	180	17
180°	177	177	177	177	177	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1961.8	1959.2	1956.7	1951.7	1955.4	1944.7	1939.6	1930.9	1920.2	1916.4	1912.0
5°	2139.6	2143.5	2147.5	2131.0	2132.5	2121.5	2096.4	2075.9	2059.3	2038.1	2023.2
7.5°	2353.8	2344.5	2343.7	2333.0	2314.6	2299.8	2273.3	2239.6	2207.1	2169.9	2139.2
10°	2460.8	2461.6	2454.6	2442.0	2422.3	2408.1	2373.5	2340.4	2300.3	2253.0	2219.2
12.5°	2541.4	2544.8	2535.8	2518.8	2509.1	2477.4	2450.2	2411.0	2363.2	2325.4	2273.9
15°	2671.8	2663.1	2656.9	2635.5	2619.1	2586.0	2542.7	2501.7	2449.8	2401.8	2353.8
17.5°	2797.4	2804.4	2792.6	2773.2	2721.9	2683.3	2625.2	2569.1	2504.5	2440.0	2382.8
20°	2909.5	2915.9	2897.7	2863.9	2802.5	2763.9	2687.6	2615.1	2540.3	2457.7	2394.7
22.5°	3049.4	3044.3	3019.9	2968.4	2915.2	2843.9	2761.3	2673.0	2579.4	2486.0	2402.3
25°	3287.4	3254.3	3239.3	3175.6	3105.5	3000.8	2887.5	2758.3	2641.9	2518.3	2411.3
27.5°	3419.3	3408.9	3392.2	3347.9	3274.2	3162.2	3028.6	2871.2	2706.9	2550.9	2410.7
30°	3392.8	3394.5	3396.1	3381.8	3334.7	3250.4	3117.4	2948.1	2752.9	2577.4	2415.2
32.5°	3158.7	3187.2	3214.7	3247.1	3260.3	3244.1	3160.8	3008.0	2807.0	2607.6	2412.7
35°	2638.8	2647.4	2736.3	2824.5	2944.2	3037.1	3099.3	3031.5	2862.3	2633.2	2409.6
37.5°	2057.5	2100.0	2161.5	2261.2	2433.9	2588.5	2787.3	2878.8	2824.2	2641.6	2404.2
40°	1753.9	1793.3	1833.4	1935.0	2080.6	2268.0	2493.9	2686.7	2731.6	2615.1	2385.3
42.5°	1519.6	1550.8	1595.4	1671.7	1793.4	1959.3	2175.2	2427.3	2582.3	2538.3	2345.6
45°	1243.7	1263.4	1298.1	1358.8	1446.9	1576.8	1767.3	2042.9	2282.9	2362.4	2251.4
47.5°	1064.6	1064.5	1091.4	1133.3	1196.9	1307.3	1448.1	1664.1	1920.5	2110.2	2101.4
50°	965.1	961.2	982.4	1018.7	1069.0	1142.3	1276.9	1449.3	1695.7	1910.6	1970.3
52.5°	879.5	879.9	893.0	919.8	962.0	1024.5	1125.1	1280.5	1491.0	1711.5	1824.3
55°	766.8	763.6	778.5	796.7	827.4	868.3	940.7	1059.6	1230.4	1447.6	1594.1
57.5°	663.5	672.2	678.1	690.7	716.2	743.6	804.7	891.9	1027.4	1213.9	1368.7
60°	603.0	611.7	616.4	628.9	649.4	673.1	720.3	791.1	905.3	1065.9	1219.4
62.5°	548.9	555.6	557.1	568.6	585.2	608.2	645.4	704.9	795.1	935.5	1085.9
65°	470.8	470.8	473.9	485.7	493.6	514.0	542.4	585.7	658.1	767.5	895.9
67.5°	395.5	399.3	398.5	403.6	410.9	426.9	447.2	482.9	536.5	616.4	719.0
70°	346.4	349.5	348.7	352.6	360.5	370.8	387.3	421.1	459.7	528.3	616.4
72.5°	302.3	303.6	301.5	306.7	311.4	320.4	338.8	356.9	392.9	450.8	523.2
75°	231.5	233.0	234.6	237.7	242.5	247.2	256.6	274.8	298.3	341.6	388.1
77.5°	173.5	170.5	174.3	173.8	176.5	180.2	188.4	198.0	217.4	244.8	280.7
80°	130.7	131.5	131.5	132.3	136.2	138.6	145.6	152.7	167.6	188.1	213.4
82.5°	95.4	97.5	96.2	97.7	100.9	102.6	106.5	112.4	121.1	137.1	155.4
85°	51.9	48.1	49.6	51.2	51.2	51.9	55.1	57.5	62.2	68.5	75.5
87.5°	16.8	18.0	18.6	18.6	19.2	19.1	21.5	21.4	23.2	25.0	27.5
90°	8.2	8.2	7.9	7.9	7.9	7.2	6.8	6.5	6.1	5.8	4.9
92.5°	22.7	23.3	23.8	24.7	29.3	34.5	45.8	63.2	93.1	115.0	116.9
95°	83.9	89.6	92.4	103.1	128.5	158.4	202.4	256.6	309.4	316.2	258.0
97.5°	202.7	207.3	217.6	237.6	259.6	301.3	344.2	382.1	391.5	337.7	230.5
100°	278.4	284.1	297.3	323.0	347.6	384.8	421.5	439.0	411.5	322.2	205.6
102.5°	362.9	367.2	381.5	399.8	426.2	451.3	468.9	458.1	399.5	295.2	186.7
105°	472.9	477.2	484.3	496.0	507.6	511.4	495.7	446.9	361.2	258.7	168.4
107.5°	531.3	534.1	536.5	536.5	530.8	512.1	471.8	406.6	322.0	233.7	160.8
110°	550.7	550.7	548.2	541.4	525.3	495.0	444.7	376.9	299.8	222.0	158.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	548.5	545.8	539.7	528.0	504.5	468.8	417.9	353.5	283.3	215.1	158.4
115°	526.7	522.1	512.1	495.0	467.2	428.3	379.4	324.1	265.2	207.7	159.6
117.5°	488.9	486.0	476.2	458.4	430.6	394.9	352.7	305.1	254.4	204.1	161.9
120°	464.3	461.5	451.8	434.7	408.3	376.9	337.6	294.8	248.4	202.4	164.2
122.5°	442.6	440.1	430.4	414.8	391.1	361.7	326.8	287.1	243.3	201.0	166.1
125°	415.1	411.5	403.6	389.0	369.0	343.4	312.3	275.9	236.3	199.1	169.6
127.5°	391.5	389.9	382.5	369.6	351.4	327.4	298.4	264.5	229.8	198.3	173.3
130°	378.7	376.6	369.4	357.6	339.8	316.6	288.7	257.3	225.6	197.7	175.6
132.5°	365.8	363.3	356.8	345.1	327.2	304.9	279.6	250.1	222.2	197.7	178.1
135°	344.8	342.6	336.2	324.5	308.7	288.4	265.5	241.0	218.0	197.7	181.7
137.5°	322.2	319.9	314.0	303.3	289.2	272.0	253.0	233.1	214.4	198.1	184.9
140°	306.6	304.8	299.4	290.1	276.9	262.0	245.5	228.7	212.7	198.4	186.3
142.5°	292.1	290.5	285.5	277.6	266.4	253.4	239.2	225.1	211.3	198.7	187.1
145°	272.0	270.5	266.6	260.5	252.0	242.4	231.3	220.3	209.1	198.4	188.0
147.5°	255.0	254.3	252.1	247.2	240.4	233.2	224.6	215.6	206.9	197.5	188.4
150°	245.5	245.2	243.8	239.4	234.1	227.7	221.0	213.1	205.2	196.6	188.4
152.5°	238.1	237.7	236.3	232.9	228.4	223.4	217.2	210.3	203.2	195.5	188.1
155°	228.0	227.7	226.6	224.1	220.6	216.6	211.7	205.9	199.9	193.5	187.3
157.5°	219.0	219.1	218.1	216.1	213.3	210.3	206.3	201.7	196.7	191.3	186.4
160°	213.1	213.4	212.7	211.0	208.4	205.9	202.4	198.8	194.2	189.9	185.6
162.5°	207.6	207.7	207.5	206.1	204.2	202.0	198.9	195.6	191.9	188.1	184.7
165°	199.9	199.9	199.9	199.1	197.7	195.9	193.8	191.3	188.4	185.6	183.5
167.5°	192.7	192.8	193.1	192.5	191.8	190.5	188.8	187.1	185.1	183.1	181.5
170°	188.4	188.8	188.8	188.4	187.7	187.0	185.9	184.9	183.1	181.7	180.6
172.5°	184.4	184.8	185.4	184.7	184.6	184.2	183.4	182.3	181.1	180.0	179.5
175°	179.6	179.9	180.6	180.3	180.3	180.3	179.6	179.6	178.4	178.1	178.1
177.5°	177.0	177.0	177.8	177.6	177.8	177.8	177.8	177.6	177.3	177.0	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1908.2	1903.8	1898.7	1890.0	1879.3	1873.6	1864.7	1859.1	1847.8	1838.3	1828.3
5°	2005.0	1984.6	1965.7	1941.3	1914.5	1897.1	1876.7	1853.9	1830.3	1805.8	1779.1
7.5°	2105.4	2069.1	2029.7	1987.4	1946.0	1907.8	1871.5	1835.7	1802.4	1762.1	1728.0
10°	2172.7	2127.1	2078.2	2020.7	1964.9	1916.1	1866.4	1823.2	1779.1	1731.8	1690.1
12.5°	2240.1	2179.3	2110.3	2047.2	1980.0	1921.1	1862.7	1807.5	1752.0	1699.7	1651.1
15°	2287.6	2234.1	2170.3	2080.6	2005.0	1924.0	1846.8	1775.1	1708.3	1650.0	1588.6
17.5°	2319.0	2250.0	2181.5	2095.4	1996.4	1905.7	1818.3	1736.3	1660.8	1587.0	1527.8
20°	2324.6	2253.8	2182.1	2097.9	1996.4	1892.5	1805.0	1706.7	1625.6	1549.2	1476.8
22.5°	2322.8	2242.4	2164.5	2077.8	1978.7	1883.0	1777.4	1677.1	1589.0	1514.0	1438.4
25°	2304.9	2219.2	2121.5	2034.2	1936.5	1835.0	1728.0	1624.1	1534.3	1448.4	1373.7
27.5°	2290.2	2178.9	2068.3	1966.4	1872.2	1779.1	1676.6	1570.1	1470.7	1383.7	1313.2
30°	2271.9	2149.9	2025.5	1919.2	1822.4	1731.8	1635.1	1531.2	1427.2	1342.2	1266.7
32.5°	2255.5	2113.3	1982.1	1866.3	1763.8	1675.8	1586.5	1487.6	1385.6	1299.4	1223.8
35°	2223.9	2059.3	1908.9	1778.3	1668.9	1578.3	1503.6	1411.5	1317.8	1234.4	1162.0
37.5°	2183.7	1988.5	1827.1	1690.1	1570.1	1474.8	1405.1	1334.4	1244.6	1164.2	1098.6
40°	2152.2	1938.1	1767.3	1627.2	1502.8	1403.6	1339.1	1272.1	1197.4	1122.6	1053.3
42.5°	2112.5	1892.8	1706.9	1556.0	1432.9	1336.3	1268.5	1211.6	1145.7	1076.0	1011.7
45°	2039.6	1810.6	1609.0	1446.9	1322.5	1227.3	1157.2	1114.7	1065.1	999.0	944.6
47.5°	1932.5	1711.8	1503.4	1336.1	1207.7	1119.4	1053.8	1013.0	978.1	928.9	879.6
50°	1837.3	1638.2	1427.2	1261.1	1132.8	1043.8	983.2	946.2	916.4	878.5	836.8
52.5°	1730.9	1545.6	1352.3	1188.1	1061.0	973.3	913.9	881.4	856.5	829.4	788.3
55°	1561.9	1404.4	1224.9	1069.0	951.7	866.0	814.0	785.7	765.2	744.7	719.5
57.5°	1375.5	1252.4	1093.5	951.0	842.9	764.9	716.4	688.8	672.9	662.4	647.5
60°	1244.6	1139.1	1002.1	872.2	766.8	697.5	650.3	628.9	615.6	606.9	595.9
62.5°	1123.1	1036.4	909.6	791.0	698.7	633.2	591.1	570.4	557.6	553.4	544.3
65°	943.8	877.0	772.2	673.9	595.1	539.3	503.8	484.1	476.3	471.5	472.3
67.5°	767.4	726.6	642.5	558.6	495.7	448.9	420.5	405.5	401.5	395.2	395.1
70°	659.6	628.9	558.2	484.9	429.0	392.8	367.6	351.8	347.9	344.8	344.1
72.5°	564.6	537.7	476.3	417.6	367.3	335.5	314.8	305.3	298.8	296.9	296.8
75°	424.3	409.4	360.5	314.1	279.4	257.4	243.3	234.6	229.8	229.0	229.8
77.5°	301.6	288.6	257.6	224.7	202.8	186.1	174.1	171.2	165.8	165.9	165.1
80°	226.7	218.0	198.3	172.4	154.3	140.2	133.8	128.4	126.7	124.4	126.7
82.5°	164.4	155.1	141.7	125.1	110.2	101.7	95.4	93.7	92.7	91.6	92.1
85°	81.1	81.9	74.0	61.4	55.1	50.4	46.5	46.5	45.6	44.8	45.6
87.5°	28.7	27.3	24.6	22.6	19.3	17.3	16.6	17.1	15.2	14.7	15.6
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°	81.4	48.8	29.3	18.9	12.7	8.3	5.3	4.3	5.3	8.3	12.7
95°	159.6	81.0	42.8	26.8	18.9	14.9	12.1	11.8	12.1	14.9	18.9
97.5°	127.3	69.8	44.5	33.0	26.0	22.0	20.0	19.6	20.0	22.0	26.0
100°	115.6	69.3	48.6	37.9	31.0	27.2	25.7	24.9	25.7	27.2	31.0
102.5°	110.8	71.8	53.4	43.0	36.8	32.5	31.4	31.0	31.4	32.5	36.8
105°	108.9	77.1	61.4	51.4	45.6	42.1	40.3	40.3	40.3	42.1	45.6
107.5°	112.1	84.9	69.8	60.8	54.8	51.9	50.2	49.5	50.2	51.9	54.8
110°	115.3	90.7	76.0	66.8	61.4	58.2	56.8	56.0	56.8	58.2	61.4



TEST NUMBER: P333297-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	119.3	96.0	82.0	73.0	67.7	64.4	63.3	62.6	63.3	64.4	67.7
115°	125.2	104.6	91.4	82.4	77.1	73.9	72.8	72.1	72.8	73.9	77.1
117.5°	132.1	113.3	100.8	92.2	86.0	82.9	81.7	80.7	81.7	82.9	86.0
120°	136.7	119.6	107.0	98.2	92.1	88.9	87.5	86.3	87.5	88.9	92.1
122.5°	141.8	125.5	113.1	104.1	97.6	94.3	93.1	92.4	93.1	94.3	97.6
125°	148.9	133.5	121.7	112.4	105.6	102.4	100.7	100.0	100.7	102.4	105.6
127.5°	155.2	141.1	129.8	120.5	113.3	109.2	106.9	105.8	106.9	109.2	113.3
130°	159.6	145.9	134.9	125.6	118.2	113.5	110.7	109.6	110.7	113.5	118.2
132.5°	163.3	150.6	139.5	130.2	122.4	117.2	113.8	112.4	113.8	117.2	122.4
135°	168.4	156.6	145.6	136.0	128.5	122.8	118.5	117.0	118.5	122.8	128.5
137.5°	172.3	161.1	151.0	141.1	133.7	127.9	124.0	122.9	124.0	127.9	133.7
140°	174.9	164.2	153.8	144.2	137.4	131.7	127.4	126.3	127.4	131.7	137.4
142.5°	176.3	166.1	156.4	147.3	140.9	135.1	131.1	130.4	131.1	135.1	140.9
145°	178.4	169.6	160.3	152.1	145.6	140.6	137.0	136.3	137.0	140.6	145.6
147.5°	179.8	171.7	163.5	156.3	150.8	146.1	143.0	142.6	143.0	146.1	150.8
150°	180.6	173.1	165.2	159.2	154.2	149.6	147.0	146.3	147.0	149.6	154.2
152.5°	181.2	174.5	167.2	161.8	157.0	153.0	150.8	150.4	150.8	153.0	157.0
155°	181.7	175.9	169.9	164.9	161.3	157.7	155.6	155.6	155.6	157.7	161.3
157.5°	182.0	177.1	172.0	168.1	165.0	162.0	160.3	160.4	160.3	162.0	165.0
160°	182.0	177.7	173.1	169.9	167.0	164.5	163.1	163.5	163.1	164.5	167.0
162.5°	181.8	178.3	174.2	171.6	169.4	167.1	165.7	166.0	165.7	167.1	169.4
165°	181.3	178.4	175.6	173.5	172.0	170.3	169.2	169.9	169.2	170.3	172.0
167.5°	180.5	178.4	176.1	174.7	173.7	172.8	172.1	172.5	172.1	172.8	173.7
170°	179.9	178.4	176.6	175.6	174.9	174.2	173.8	174.2	173.8	174.2	174.9
172.5°	179.4	178.1	176.6	176.1	175.7	175.0	174.7	175.3	174.7	175.0	175.7
175°	178.4	177.7	176.6	176.6	176.6	176.3	175.9	176.6	175.9	176.3	176.6
177.5°	177.6	177.3	176.7	176.7	177.0	176.7	176.7	177.3	176.7	176.7	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333297-840

CATALOG NUMBER: S125DIP-S1270D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1822.5	1815.6	1810.0	1797.4	1790.4	1781.0	1773.4	1781.6	1772.8	1776.6	1770.9
5°	1765.7	1743.6	1728.0	1705.1	1685.5	1667.3	1654.0	1651.5	1645.3	1642.1	1632.6
7.5°	1697.4	1669.8	1642.7	1612.9	1587.6	1562.0	1545.6	1532.1	1523.1	1511.3	1503.3
10°	1657.1	1620.1	1588.6	1552.4	1520.9	1493.4	1471.3	1460.3	1450.1	1435.1	1429.6
12.5°	1607.3	1569.0	1530.7	1492.0	1461.7	1431.0	1412.1	1395.4	1388.4	1371.5	1369.8
15°	1547.6	1490.2	1452.4	1413.0	1371.3	1346.2	1330.4	1312.3	1304.4	1292.6	1283.9
17.5°	1476.5	1425.1	1378.0	1337.2	1301.4	1280.2	1260.6	1248.2	1234.7	1227.0	1212.7
20°	1424.8	1376.0	1328.8	1285.6	1258.0	1233.6	1217.8	1206.0	1191.8	1187.9	1173.8
22.5°	1381.4	1327.6	1282.2	1245.9	1215.8	1188.2	1171.2	1163.2	1153.5	1141.3	1138.4
25°	1310.7	1254.9	1216.3	1180.0	1153.3	1128.1	1116.3	1106.0	1096.6	1087.9	1084.8
27.5°	1249.6	1199.7	1153.9	1121.2	1097.8	1074.9	1064.5	1052.1	1045.1	1038.1	1029.7
30°	1206.8	1155.6	1115.5	1084.0	1058.8	1038.3	1027.3	1018.7	1012.4	1006.0	1001.4
32.5°	1162.8	1115.3	1076.4	1045.6	1020.4	1004.9	995.2	989.1	982.1	974.5	968.6
35°	1104.5	1052.5	1014.7	988.0	968.3	956.4	945.4	939.9	932.1	932.1	925.7
37.5°	1038.8	993.9	960.6	936.1	918.5	908.0	896.1	892.2	887.2	883.8	881.7
40°	999.8	958.1	926.6	902.1	883.2	874.5	865.2	858.9	855.7	851.7	850.2
42.5°	959.5	919.6	889.4	866.9	850.5	843.1	834.2	829.9	823.5	818.4	817.5
45°	898.2	859.6	832.1	814.0	799.8	791.1	785.7	776.2	773.1	766.8	766.0
47.5°	840.1	803.1	776.1	761.2	748.8	741.7	733.1	723.6	720.0	716.8	716.5
50°	796.7	762.9	737.6	723.5	711.7	701.5	692.8	686.4	684.1	684.1	685.7
52.5°	752.6	723.8	702.4	685.0	673.9	663.0	655.0	651.2	647.5	651.4	654.2
55°	688.0	658.9	643.2	626.6	615.6	603.0	599.1	597.5	595.1	601.5	604.6
57.5°	619.7	599.3	580.8	564.4	554.5	547.2	541.9	541.0	545.4	548.4	558.6
60°	576.2	552.6	536.1	523.5	511.7	507.0	505.4	503.8	507.0	515.6	529.0
62.5°	528.4	509.2	491.4	481.9	473.2	465.4	465.0	466.1	472.3	482.2	495.6
65°	458.2	441.6	429.8	418.8	411.7	407.0	408.6	411.7	418.8	432.2	447.2
67.5°	386.9	375.5	365.0	356.0	349.2	349.2	350.8	355.5	363.9	379.3	392.9
70°	340.8	328.3	319.6	315.7	310.1	307.0	311.7	319.6	326.7	340.8	352.6
72.5°	294.9	284.2	277.4	274.8	272.4	269.8	271.5	279.9	289.5	303.7	317.4
75°	226.7	222.8	218.0	214.9	212.6	214.1	215.7	223.6	231.5	246.4	262.2
77.5°	165.5	161.4	158.5	157.7	156.5	157.2	161.7	167.5	175.2	186.1	198.0
80°	125.1	123.6	122.0	121.2	121.2	122.0	128.4	132.3	139.4	149.6	159.1
82.5°	91.2	90.2	89.9	89.8	90.4	90.5	94.3	99.5	105.3	113.0	121.2
85°	48.1	46.5	48.8	49.6	48.1	50.4	51.9	55.1	57.5	61.4	65.3
87.5°	16.4	17.7	17.2	18.0	18.0	19.4	18.9	21.4	22.7	24.1	23.6
90°	2.8	3.5	3.9	4.6	4.9	5.8	6.1	6.5	6.8	7.2	7.9
92.5°	18.9	29.3	48.8	81.4	116.9	115.0	93.1	63.2	45.8	34.5	29.3
95°	26.8	42.8	81.0	159.6	258.0	316.2	309.4	256.6	202.4	158.4	128.5
97.5°	33.0	44.5	69.8	127.3	230.5	337.7	391.5	382.1	344.2	301.3	259.6
100°	37.9	48.6	69.3	115.6	205.6	322.2	411.5	439.0	421.5	384.8	347.6
102.5°	43.0	53.4	71.8	110.8	186.7	295.2	399.5	458.1	468.9	451.3	426.2
105°	51.4	61.4	77.1	108.9	168.4	258.7	361.2	446.9	495.7	511.4	507.6
107.5°	60.8	69.8	84.9	112.1	160.8	233.7	322.0	406.6	471.8	512.1	530.8
110°	66.8	76.0	90.7	115.3	158.4	222.0	299.8	376.9	444.7	495.0	525.3



TEST NUMBER: P333297-840

CATALOG NUMBER: S125DIP-S1270D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	73.0	82.0	96.0	119.3	158.4	215.1	283.3	353.5	417.9	468.8	504.5
115°	82.4	91.4	104.6	125.2	159.6	207.7	265.2	324.1	379.4	428.3	467.2
117.5°	92.2	100.8	113.3	132.1	161.9	204.1	254.4	305.1	352.7	394.9	430.6
120°	98.2	107.0	119.6	136.7	164.2	202.4	248.4	294.8	337.6	376.9	408.3
122.5°	104.1	113.1	125.5	141.8	166.1	201.0	243.3	287.1	326.8	361.7	391.1
125°	112.4	121.7	133.5	148.9	169.6	199.1	236.3	275.9	312.3	343.4	369.0
127.5°	120.5	129.8	141.1	155.2	173.3	198.3	229.8	264.5	298.4	327.4	351.4
130°	125.6	134.9	145.9	159.6	175.6	197.7	225.6	257.3	288.7	316.6	339.8
132.5°	130.2	139.5	150.6	163.3	178.1	197.7	222.2	250.1	279.6	304.9	327.2
135°	136.0	145.6	156.6	168.4	181.7	197.7	218.0	241.0	265.5	288.4	308.7
137.5°	141.1	151.0	161.1	172.3	184.9	198.1	214.4	233.1	253.0	272.0	289.2
140°	144.2	153.8	164.2	174.9	186.3	198.4	212.7	228.7	245.5	262.0	276.9
142.5°	147.3	156.4	166.1	176.3	187.1	198.7	211.3	225.1	239.2	253.4	266.4
145°	152.1	160.3	169.6	178.4	188.0	198.4	209.1	220.3	231.3	242.4	252.0
147.5°	156.3	163.5	171.7	179.8	188.4	197.5	206.9	215.6	224.6	233.2	240.4
150°	159.2	165.2	173.1	180.6	188.4	196.6	205.2	213.1	221.0	227.7	234.1
152.5°	161.8	167.2	174.5	181.2	188.1	195.5	203.2	210.3	217.2	223.4	228.4
155°	164.9	169.9	175.9	181.7	187.3	193.5	199.9	205.9	211.7	216.6	220.6
157.5°	168.1	172.0	177.1	182.0	186.4	191.3	196.7	201.7	206.3	210.3	213.3
160°	169.9	173.1	177.7	182.0	185.6	189.9	194.2	198.8	202.4	205.9	208.4
162.5°	171.6	174.2	178.3	181.8	184.7	188.1	191.9	195.6	198.9	202.0	204.2
165°	173.5	175.6	178.4	181.3	183.5	185.6	188.4	191.3	193.8	195.9	197.7
167.5°	174.7	176.1	178.4	180.5	181.5	183.1	185.1	187.1	188.8	190.5	191.8
170°	175.6	176.6	178.4	179.9	180.6	181.7	183.1	184.9	185.9	187.0	187.7
172.5°	176.1	176.6	178.1	179.4	179.5	180.0	181.1	182.3	183.4	184.2	184.6
175°	176.6	176.6	177.7	178.4	178.1	178.1	178.4	179.6	179.6	180.3	180.3
177.5°	176.7	176.7	177.3	177.6	177.0	177.0	177.3	177.6	177.8	177.8	177.8
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333297-840

CATALOG NUMBER: S125DIP-S1270D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1767.2	1771.5	1767.8	1772.8	1767.8	1771.5	1767.2	1770.9	1776.6	1772.8	1781.6
5°	1628.7	1621.6	1626.4	1623.3	1626.4	1621.6	1628.7	1632.6	1642.1	1645.3	1651.5
7.5°	1500.9	1494.1	1486.4	1482.8	1486.4	1494.1	1500.9	1503.3	1511.3	1523.1	1532.1
10°	1420.9	1412.3	1411.5	1405.9	1411.5	1412.3	1420.9	1429.6	1435.1	1450.1	1460.3
12.5°	1362.3	1354.3	1345.3	1343.0	1345.3	1354.3	1362.3	1369.8	1371.5	1388.4	1395.4
15°	1279.2	1272.9	1267.4	1272.1	1267.4	1272.9	1279.2	1283.9	1292.6	1304.4	1312.3
17.5°	1210.1	1204.9	1204.0	1198.1	1204.0	1204.9	1210.1	1212.7	1227.0	1234.7	1248.2
20°	1166.7	1162.8	1164.3	1154.1	1164.3	1162.8	1166.7	1173.8	1187.9	1191.8	1206.0
22.5°	1132.1	1124.3	1123.4	1121.4	1123.4	1124.3	1132.1	1138.4	1141.3	1153.5	1163.2
25°	1077.7	1073.8	1069.9	1073.8	1069.9	1073.8	1077.7	1084.8	1087.9	1096.6	1106.0
27.5°	1030.3	1025.6	1024.5	1024.9	1024.5	1025.6	1030.3	1029.7	1038.1	1045.1	1052.1
30°	1001.4	993.5	994.2	993.5	994.2	993.5	1001.4	1001.4	1006.0	1012.4	1018.7
32.5°	969.9	964.5	963.4	962.0	963.4	964.5	969.9	968.6	974.5	982.1	989.1
35°	923.4	923.4	919.5	919.5	919.5	923.4	923.4	925.7	932.1	932.1	939.9
37.5°	879.8	879.0	876.7	877.0	876.7	879.0	879.8	881.7	883.8	887.2	892.2
40°	847.1	846.3	843.8	839.2	843.8	846.3	847.1	850.2	851.7	855.7	858.9
42.5°	815.6	812.8	811.7	810.2	811.7	812.8	815.6	817.5	818.4	823.5	829.9
45°	766.0	766.0	764.4	763.6	764.4	766.0	766.0	766.0	766.8	773.1	776.2
47.5°	717.8	719.2	722.2	721.8	722.2	719.2	717.8	716.5	716.8	720.0	723.6
50°	688.8	689.6	692.0	692.8	692.0	689.6	688.8	685.7	684.1	684.1	686.4
52.5°	656.7	661.3	664.3	663.8	664.3	661.3	656.7	654.2	651.4	647.5	651.2
55°	611.7	617.1	622.7	623.5	622.7	617.1	611.7	604.6	601.5	595.1	597.5
57.5°	567.1	574.8	580.7	582.5	580.7	574.8	567.1	558.6	548.4	545.4	541.0
60°	536.8	547.1	554.2	557.3	554.2	547.1	536.8	529.0	515.6	507.0	503.8
62.5°	507.9	519.4	526.4	527.1	526.4	519.4	507.9	495.6	482.2	472.3	466.1
65°	460.5	472.3	478.6	483.3	478.6	472.3	460.5	447.2	432.2	418.8	411.7
67.5°	409.5	421.3	428.3	432.0	428.3	421.3	409.5	392.9	379.3	363.9	355.5
70°	372.3	384.2	393.6	396.8	393.6	384.2	372.3	352.6	340.8	326.7	319.6
72.5°	335.8	346.4	354.0	357.7	354.0	346.4	335.8	317.4	303.7	289.5	279.9
75°	272.4	286.5	293.7	297.6	293.7	286.5	272.4	262.2	246.4	231.5	223.6
77.5°	210.1	223.0	227.2	229.2	227.2	223.0	210.1	198.0	186.1	175.2	167.5
80°	168.4	176.3	181.9	182.6	181.9	176.3	168.4	159.1	149.6	139.4	132.3
82.5°	129.5	136.0	137.7	139.8	137.7	136.0	129.5	121.2	113.0	105.3	99.5
85°	70.9	74.0	74.8	74.0	74.8	74.0	70.9	65.3	61.4	57.5	55.1
87.5°	24.8	24.2	24.3	25.5	24.3	24.2	24.8	23.6	24.1	22.7	21.4
90°	7.9	7.9	8.2	8.2	8.2	7.9	7.9	7.9	7.2	6.8	6.5
92.5°	24.7	23.8	23.3	22.7	23.3	23.8	24.7	29.3	34.5	45.8	63.2
95°	103.1	92.4	89.6	83.9	89.6	92.4	103.1	128.5	158.4	202.4	256.6
97.5°	237.6	217.6	207.3	202.7	207.3	217.6	237.6	259.6	301.3	344.2	382.1
100°	323.0	297.3	284.1	278.4	284.1	297.3	323.0	347.6	384.8	421.5	439.0
102.5°	399.8	381.5	367.2	362.9	367.2	381.5	399.8	426.2	451.3	468.9	458.1
105°	496.0	484.3	477.2	472.9	477.2	484.3	496.0	507.6	511.4	495.7	446.9
107.5°	536.5	536.5	534.1	531.3	534.1	536.5	536.5	530.8	512.1	471.8	406.6
110°	541.4	548.2	550.7	550.7	550.7	548.2	541.4	525.3	495.0	444.7	376.9



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	528.0	539.7	545.8	548.5	545.8	539.7	528.0	504.5	468.8	417.9	353.5
115°	495.0	512.1	522.1	526.7	522.1	512.1	495.0	467.2	428.3	379.4	324.1
117.5°	458.4	476.2	486.0	488.9	486.0	476.2	458.4	430.6	394.9	352.7	305.1
120°	434.7	451.8	461.5	464.3	461.5	451.8	434.7	408.3	376.9	337.6	294.8
122.5°	414.8	430.4	440.1	442.6	440.1	430.4	414.8	391.1	361.7	326.8	287.1
125°	389.0	403.6	411.5	415.1	411.5	403.6	389.0	369.0	343.4	312.3	275.9
127.5°	369.6	382.5	389.9	391.5	389.9	382.5	369.6	351.4	327.4	298.4	264.5
130°	357.6	369.4	376.6	378.7	376.6	369.4	357.6	339.8	316.6	288.7	257.3
132.5°	345.1	356.8	363.3	365.8	363.3	356.8	345.1	327.2	304.9	279.6	250.1
135°	324.5	336.2	342.6	344.8	342.6	336.2	324.5	308.7	288.4	265.5	241.0
137.5°	303.3	314.0	319.9	322.2	319.9	314.0	303.3	289.2	272.0	253.0	233.1
140°	290.1	299.4	304.8	306.6	304.8	299.4	290.1	276.9	262.0	245.5	228.7
142.5°	277.6	285.5	290.5	292.1	290.5	285.5	277.6	266.4	253.4	239.2	225.1
145°	260.5	266.6	270.5	272.0	270.5	266.6	260.5	252.0	242.4	231.3	220.3
147.5°	247.2	252.1	254.3	255.0	254.3	252.1	247.2	240.4	233.2	224.6	215.6
150°	239.4	243.8	245.2	245.5	245.2	243.8	239.4	234.1	227.7	221.0	213.1
152.5°	232.9	236.3	237.7	238.1	237.7	236.3	232.9	228.4	223.4	217.2	210.3
155°	224.1	226.6	227.7	228.0	227.7	226.6	224.1	220.6	216.6	211.7	205.9
157.5°	216.1	218.1	219.1	219.0	219.1	218.1	216.1	213.3	210.3	206.3	201.7
160°	211.0	212.7	213.4	213.1	213.4	212.7	211.0	208.4	205.9	202.4	198.8
162.5°	206.1	207.5	207.7	207.6	207.7	207.5	206.1	204.2	202.0	198.9	195.6
165°	199.1	199.9	199.9	199.9	199.9	199.9	199.1	197.7	195.9	193.8	191.3
167.5°	192.5	193.1	192.8	192.7	192.8	193.1	192.5	191.8	190.5	188.8	187.1
170°	188.4	188.8	188.8	188.4	188.8	188.8	188.4	187.7	187.0	185.9	184.9
172.5°	184.7	185.4	184.8	184.4	184.8	185.4	184.7	184.6	184.2	183.4	182.3
175°	180.3	180.6	179.9	179.6	179.9	180.6	180.3	180.3	180.3	179.6	179.6
177.5°	177.6	177.8	177.0	177.0	177.0	177.8	177.6	177.8	177.8	177.8	177.6
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333297-840

CATALOG NUMBER: S125DIP-S1270D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1773.4	1781.0	1790.4	1797.4	1810.0	1815.6	1822.5	1828.3	1838.3	1847.8	1859.1
5°	1654.0	1667.3	1685.5	1705.1	1728.0	1743.6	1765.7	1779.1	1805.8	1830.3	1853.9
7.5°	1545.6	1562.0	1587.6	1612.9	1642.7	1669.8	1697.4	1728.0	1762.1	1802.4	1835.7
10°	1471.3	1493.4	1520.9	1552.4	1588.6	1620.1	1657.1	1690.1	1731.8	1779.1	1823.2
12.5°	1412.1	1431.0	1461.7	1492.0	1530.7	1569.0	1607.3	1651.1	1699.7	1752.0	1807.5
15°	1330.4	1346.2	1371.3	1413.0	1452.4	1490.2	1547.6	1588.6	1650.0	1708.3	1775.1
17.5°	1260.6	1280.2	1301.4	1337.2	1378.0	1425.1	1476.5	1527.8	1587.0	1660.8	1736.3
20°	1217.8	1233.6	1258.0	1285.6	1328.8	1376.0	1424.8	1476.8	1549.2	1625.6	1706.7
22.5°	1171.2	1188.2	1215.8	1245.9	1282.2	1327.6	1381.4	1438.4	1514.0	1589.0	1677.1
25°	1116.3	1128.1	1153.3	1180.0	1216.3	1254.9	1310.7	1373.7	1448.4	1534.3	1624.1
27.5°	1064.5	1074.9	1097.8	1121.2	1153.9	1199.7	1249.6	1313.2	1383.7	1470.7	1570.1
30°	1027.3	1038.3	1058.8	1084.0	1115.5	1155.6	1206.8	1266.7	1342.2	1427.2	1531.2
32.5°	995.2	1004.9	1020.4	1045.6	1076.4	1115.3	1162.8	1223.8	1299.4	1385.6	1487.6
35°	945.4	956.4	968.3	988.0	1014.7	1052.5	1104.5	1162.0	1234.4	1317.8	1411.5
37.5°	896.1	908.0	918.5	936.1	960.6	993.9	1038.8	1098.6	1164.2	1244.6	1334.4
40°	865.2	874.5	883.2	902.1	926.6	958.1	999.8	1053.3	1122.6	1197.4	1272.1
42.5°	834.2	843.1	850.5	866.9	889.4	919.6	959.5	1011.7	1076.0	1145.7	1211.6
45°	785.7	791.1	799.8	814.0	832.1	859.6	898.2	944.6	999.0	1065.1	1114.7
47.5°	733.1	741.7	748.8	761.2	776.1	803.1	840.1	879.6	928.9	978.1	1013.0
50°	692.8	701.5	711.7	723.5	737.6	762.9	796.7	836.8	878.5	916.4	946.2
52.5°	655.0	663.0	673.9	685.0	702.4	723.8	752.6	788.3	829.4	856.5	881.4
55°	599.1	603.0	615.6	626.6	643.2	658.9	688.0	719.5	744.7	765.2	785.7
57.5°	541.9	547.2	554.5	564.4	580.8	599.3	619.7	647.5	662.4	672.9	688.8
60°	505.4	507.0	511.7	523.5	536.1	552.6	576.2	595.9	606.9	615.6	628.9
62.5°	465.0	465.4	473.2	481.9	491.4	509.2	528.4	544.3	553.4	557.6	570.4
65°	408.6	407.0	411.7	418.8	429.8	441.6	458.2	472.3	471.5	476.3	484.1
67.5°	350.8	349.2	349.2	356.0	365.0	375.5	386.9	395.1	395.2	401.5	405.5
70°	311.7	307.0	310.1	315.7	319.6	328.3	340.8	344.1	344.8	347.9	351.8
72.5°	271.5	269.8	272.4	274.8	277.4	284.2	294.9	296.8	296.9	298.8	305.3
75°	215.7	214.1	212.6	214.9	218.0	222.8	226.7	229.8	229.0	229.8	234.6
77.5°	161.7	157.2	156.5	157.7	158.5	161.4	165.5	165.1	165.9	165.8	171.2
80°	128.4	122.0	121.2	121.2	122.0	123.6	125.1	126.7	124.4	126.7	128.4
82.5°	94.3	90.5	90.4	89.8	89.9	90.2	91.2	92.1	91.6	92.7	93.7
85°	51.9	50.4	48.1	49.6	48.8	46.5	48.1	45.6	44.8	45.6	46.5
87.5°	18.9	19.4	18.0	18.0	17.2	17.7	16.4	15.6	14.7	15.2	17.1
90°	6.1	5.8	4.9	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4
92.5°	93.1	115.0	116.9	81.4	48.8	29.3	18.9	12.7	8.3	5.3	4.3
95°	309.4	316.2	258.0	159.6	81.0	42.8	26.8	18.9	14.9	12.1	11.8
97.5°	391.5	337.7	230.5	127.3	69.8	44.5	33.0	26.0	22.0	20.0	19.6
100°	411.5	322.2	205.6	115.6	69.3	48.6	37.9	31.0	27.2	25.7	24.9
102.5°	399.5	295.2	186.7	110.8	71.8	53.4	43.0	36.8	32.5	31.4	31.0
105°	361.2	258.7	168.4	108.9	77.1	61.4	51.4	45.6	42.1	40.3	40.3
107.5°	322.0	233.7	160.8	112.1	84.9	69.8	60.8	54.8	51.9	50.2	49.5
110°	299.8	222.0	158.4	115.3	90.7	76.0	66.8	61.4	58.2	56.8	56.0



TEST NUMBER: P333297-840

CATALOG NUMBER: S125DIP-S1270D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.3	215.1	158.4	119.3	96.0	82.0	73.0	67.7	64.4	63.3	62.6
115°	265.2	207.7	159.6	125.2	104.6	91.4	82.4	77.1	73.9	72.8	72.1
117.5°	254.4	204.1	161.9	132.1	113.3	100.8	92.2	86.0	82.9	81.7	80.7
120°	248.4	202.4	164.2	136.7	119.6	107.0	98.2	92.1	88.9	87.5	86.3
122.5°	243.3	201.0	166.1	141.8	125.5	113.1	104.1	97.6	94.3	93.1	92.4
125°	236.3	199.1	169.6	148.9	133.5	121.7	112.4	105.6	102.4	100.7	100.0
127.5°	229.8	198.3	173.3	155.2	141.1	129.8	120.5	113.3	109.2	106.9	105.8
130°	225.6	197.7	175.6	159.6	145.9	134.9	125.6	118.2	113.5	110.7	109.6
132.5°	222.2	197.7	178.1	163.3	150.6	139.5	130.2	122.4	117.2	113.8	112.4
135°	218.0	197.7	181.7	168.4	156.6	145.6	136.0	128.5	122.8	118.5	117.0
137.5°	214.4	198.1	184.9	172.3	161.1	151.0	141.1	133.7	127.9	124.0	122.9
140°	212.7	198.4	186.3	174.9	164.2	153.8	144.2	137.4	131.7	127.4	126.3
142.5°	211.3	198.7	187.1	176.3	166.1	156.4	147.3	140.9	135.1	131.1	130.4
145°	209.1	198.4	188.0	178.4	169.6	160.3	152.1	145.6	140.6	137.0	136.3
147.5°	206.9	197.5	188.4	179.8	171.7	163.5	156.3	150.8	146.1	143.0	142.6
150°	205.2	196.6	188.4	180.6	173.1	165.2	159.2	154.2	149.6	147.0	146.3
152.5°	203.2	195.5	188.1	181.2	174.5	167.2	161.8	157.0	153.0	150.8	150.4
155°	199.9	193.5	187.3	181.7	175.9	169.9	164.9	161.3	157.7	155.6	155.6
157.5°	196.7	191.3	186.4	182.0	177.1	172.0	168.1	165.0	162.0	160.3	160.4
160°	194.2	189.9	185.6	182.0	177.7	173.1	169.9	167.0	164.5	163.1	163.5
162.5°	191.9	188.1	184.7	181.8	178.3	174.2	171.6	169.4	167.1	165.7	166.0
165°	188.4	185.6	183.5	181.3	178.4	175.6	173.5	172.0	170.3	169.2	169.9
167.5°	185.1	183.1	181.5	180.5	178.4	176.1	174.7	173.7	172.8	172.1	172.5
170°	183.1	181.7	180.6	179.9	178.4	176.6	175.6	174.9	174.2	173.8	174.2
172.5°	181.1	180.0	179.5	179.4	178.1	176.6	176.1	175.7	175.0	174.7	175.3
175°	178.4	178.1	178.1	178.4	177.7	176.6	176.6	176.6	176.3	175.9	176.6
177.5°	177.3	177.0	177.0	177.6	177.3	176.7	176.7	177.0	176.7	176.7	177.3
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333297-840

CATALOG NUMBER: S125DIP-S1270D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1864.7	1873.6	1879.3	1890.0	1898.7	1903.8	1908.2	1912.0	1916.4	1920.2	1930.9
5°	1876.7	1897.1	1914.5	1941.3	1965.7	1984.6	2005.0	2023.2	2038.1	2059.3	2075.9
7.5°	1871.5	1907.8	1946.0	1987.4	2029.7	2069.1	2105.4	2139.2	2169.9	2207.1	2239.6
10°	1866.4	1916.1	1964.9	2020.7	2078.2	2127.1	2172.7	2219.2	2253.0	2300.3	2340.4
12.5°	1862.7	1921.1	1980.0	2047.2	2110.3	2179.3	2240.1	2273.9	2325.4	2363.2	2411.0
15°	1846.8	1924.0	2005.0	2080.6	2170.3	2234.1	2287.6	2353.8	2401.8	2449.8	2501.7
17.5°	1818.3	1905.7	1996.4	2095.4	2181.5	2250.0	2319.0	2382.8	2440.0	2504.5	2569.1
20°	1805.0	1892.5	1996.4	2097.9	2182.1	2253.8	2324.6	2394.7	2457.7	2540.3	2615.1
22.5°	1777.4	1883.0	1978.7	2077.8	2164.5	2242.4	2322.8	2402.3	2486.0	2579.4	2673.0
25°	1728.0	1835.0	1936.5	2034.2	2121.5	2219.2	2304.9	2411.3	2518.3	2641.9	2758.3
27.5°	1676.6	1779.1	1872.2	1966.4	2068.3	2178.9	2290.2	2410.7	2550.9	2706.9	2871.2
30°	1635.1	1731.8	1822.4	1919.2	2025.5	2149.9	2271.9	2415.2	2577.4	2752.9	2948.1
32.5°	1586.5	1675.8	1763.8	1866.3	1982.1	2113.3	2255.5	2412.7	2607.6	2807.0	3008.0
35°	1503.6	1578.3	1668.9	1778.3	1908.9	2059.3	2223.9	2409.6	2633.2	2862.3	3031.5
37.5°	1405.1	1474.8	1570.1	1690.1	1827.1	1988.5	2183.7	2404.2	2641.6	2824.2	2878.8
40°	1339.1	1403.6	1502.8	1627.2	1767.3	1938.1	2152.2	2385.3	2615.1	2731.6	2686.7
42.5°	1268.5	1336.3	1432.9	1556.0	1706.9	1892.8	2112.5	2345.6	2538.3	2582.3	2427.3
45°	1157.2	1227.3	1322.5	1446.9	1609.0	1810.6	2039.6	2251.4	2362.4	2282.9	2042.9
47.5°	1053.8	1119.4	1207.7	1336.1	1503.4	1711.8	1932.5	2101.4	2110.2	1920.5	1664.1
50°	983.2	1043.8	1132.8	1261.1	1427.2	1638.2	1837.3	1970.3	1910.6	1695.7	1449.3
52.5°	913.9	973.3	1061.0	1188.1	1352.3	1545.6	1730.9	1824.3	1711.5	1491.0	1280.5
55°	814.0	866.0	951.7	1069.0	1224.9	1404.4	1561.9	1594.1	1447.6	1230.4	1059.6
57.5°	716.4	764.9	842.9	951.0	1093.5	1252.4	1375.5	1368.7	1213.9	1027.4	891.9
60°	650.3	697.5	766.8	872.2	1002.1	1139.1	1244.6	1219.4	1065.9	905.3	791.1
62.5°	591.1	633.2	698.7	791.0	909.6	1036.4	1123.1	1085.9	935.5	795.1	704.9
65°	503.8	539.3	595.1	673.9	772.2	877.0	943.8	895.9	767.5	658.1	585.7
67.5°	420.5	448.9	495.7	558.6	642.5	726.6	767.4	719.0	616.4	536.5	482.9
70°	367.6	392.8	429.0	484.9	558.2	628.9	659.6	616.4	528.3	459.7	421.1
72.5°	314.8	335.5	367.3	417.6	476.3	537.7	564.6	523.2	450.8	392.9	356.9
75°	243.3	257.4	279.4	314.1	360.5	409.4	424.3	388.1	341.6	298.3	274.8
77.5°	174.1	186.1	202.8	224.7	257.6	288.6	301.6	280.7	244.8	217.4	198.0
80°	133.8	140.2	154.3	172.4	198.3	218.0	226.7	213.4	188.1	167.6	152.7
82.5°	95.4	101.7	110.2	125.1	141.7	155.1	164.4	155.4	137.1	121.1	112.4
85°	46.5	50.4	55.1	61.4	74.0	81.9	81.1	75.5	68.5	62.2	57.5
87.5°	16.6	17.3	19.3	22.6	24.6	27.3	28.7	27.5	25.0	23.2	21.4
90°	0.7	1.4	2.1	2.8	3.5	3.9	4.6	4.9	5.8	6.1	6.5
92.5°	5.3	8.3	12.7	18.9	29.3	48.8	81.4	116.9	115.0	93.1	63.2
95°	12.1	14.9	18.9	26.8	42.8	81.0	159.6	258.0	316.2	309.4	256.6
97.5°	20.0	22.0	26.0	33.0	44.5	69.8	127.3	230.5	337.7	391.5	382.1
100°	25.7	27.2	31.0	37.9	48.6	69.3	115.6	205.6	322.2	411.5	439.0
102.5°	31.4	32.5	36.8	43.0	53.4	71.8	110.8	186.7	295.2	399.5	458.1
105°	40.3	42.1	45.6	51.4	61.4	77.1	108.9	168.4	258.7	361.2	446.9
107.5°	50.2	51.9	54.8	60.8	69.8	84.9	112.1	160.8	233.7	322.0	406.6
110°	56.8	58.2	61.4	66.8	76.0	90.7	115.3	158.4	222.0	299.8	376.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	63.3	64.4	67.7	73.0	82.0	96.0	119.3	158.4	215.1	283.3	353.5
115°	72.8	73.9	77.1	82.4	91.4	104.6	125.2	159.6	207.7	265.2	324.1
117.5°	81.7	82.9	86.0	92.2	100.8	113.3	132.1	161.9	204.1	254.4	305.1
120°	87.5	88.9	92.1	98.2	107.0	119.6	136.7	164.2	202.4	248.4	294.8
122.5°	93.1	94.3	97.6	104.1	113.1	125.5	141.8	166.1	201.0	243.3	287.1
125°	100.7	102.4	105.6	112.4	121.7	133.5	148.9	169.6	199.1	236.3	275.9
127.5°	106.9	109.2	113.3	120.5	129.8	141.1	155.2	173.3	198.3	229.8	264.5
130°	110.7	113.5	118.2	125.6	134.9	145.9	159.6	175.6	197.7	225.6	257.3
132.5°	113.8	117.2	122.4	130.2	139.5	150.6	163.3	178.1	197.7	222.2	250.1
135°	118.5	122.8	128.5	136.0	145.6	156.6	168.4	181.7	197.7	218.0	241.0
137.5°	124.0	127.9	133.7	141.1	151.0	161.1	172.3	184.9	198.1	214.4	233.1
140°	127.4	131.7	137.4	144.2	153.8	164.2	174.9	186.3	198.4	212.7	228.7
142.5°	131.1	135.1	140.9	147.3	156.4	166.1	176.3	187.1	198.7	211.3	225.1
145°	137.0	140.6	145.6	152.1	160.3	169.6	178.4	188.0	198.4	209.1	220.3
147.5°	143.0	146.1	150.8	156.3	163.5	171.7	179.8	188.4	197.5	206.9	215.6
150°	147.0	149.6	154.2	159.2	165.2	173.1	180.6	188.4	196.6	205.2	213.1
152.5°	150.8	153.0	157.0	161.8	167.2	174.5	181.2	188.1	195.5	203.2	210.3
155°	155.6	157.7	161.3	164.9	169.9	175.9	181.7	187.3	193.5	199.9	205.9
157.5°	160.3	162.0	165.0	168.1	172.0	177.1	182.0	186.4	191.3	196.7	201.7
160°	163.1	164.5	167.0	169.9	173.1	177.7	182.0	185.6	189.9	194.2	198.8
162.5°	165.7	167.1	169.4	171.6	174.2	178.3	181.8	184.7	188.1	191.9	195.6
165°	169.2	170.3	172.0	173.5	175.6	178.4	181.3	183.5	185.6	188.4	191.3
167.5°	172.1	172.8	173.7	174.7	176.1	178.4	180.5	181.5	183.1	185.1	187.1
170°	173.8	174.2	174.9	175.6	176.6	178.4	179.9	180.6	181.7	183.1	184.9
172.5°	174.7	175.0	175.7	176.1	176.6	178.1	179.4	179.5	180.0	181.1	182.3
175°	175.9	176.3	176.6	176.6	176.6	177.7	178.4	178.1	178.1	178.4	179.6
177.5°	176.7	176.7	177.0	176.7	176.7	177.3	177.6	177.0	177.0	177.3	177.6
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1939.6	1944.7	1955.4	1951.7	1956.7	1959.2	1961.8
5°	2096.4	2121.5	2132.5	2131.0	2147.5	2143.5	2139.6
7.5°	2273.3	2299.8	2314.6	2333.0	2343.7	2344.5	2353.8
10°	2373.5	2408.1	2422.3	2442.0	2454.6	2461.6	2460.8
12.5°	2450.2	2477.4	2509.1	2518.8	2535.8	2544.8	2541.4
15°	2542.7	2586.0	2619.1	2635.5	2656.9	2663.1	2671.8
17.5°	2625.2	2683.3	2721.9	2773.2	2792.6	2804.4	2797.4
20°	2687.6	2763.9	2802.5	2863.9	2897.7	2915.9	2909.5
22.5°	2761.3	2843.9	2915.2	2968.4	3019.9	3044.3	3049.4
25°	2887.5	3000.8	3105.5	3175.6	3239.3	3254.3	3287.4
27.5°	3028.6	3162.2	3274.2	3347.9	3392.2	3408.9	3419.3
30°	3117.4	3250.4	3334.7	3381.8	3396.1	3394.5	3392.8
32.5°	3160.8	3244.1	3260.3	3247.1	3214.7	3187.2	3158.7
35°	3099.3	3037.1	2944.2	2824.5	2736.3	2647.4	2638.8
37.5°	2787.3	2588.5	2433.9	2261.2	2161.5	2100.0	2057.5
40°	2493.9	2268.0	2080.6	1935.0	1833.4	1793.3	1753.9
42.5°	2175.2	1959.3	1793.4	1671.7	1595.4	1550.8	1519.6
45°	1767.3	1576.8	1446.9	1358.8	1298.1	1263.4	1243.7
47.5°	1448.1	1307.3	1196.9	1133.3	1091.4	1064.5	1064.6
50°	1276.9	1142.3	1069.0	1018.7	982.4	961.2	965.1
52.5°	1125.1	1024.5	962.0	919.8	893.0	879.9	879.5
55°	940.7	868.3	827.4	796.7	778.5	763.6	766.8
57.5°	804.7	743.6	716.2	690.7	678.1	672.2	663.5
60°	720.3	673.1	649.4	628.9	616.4	611.7	603.0
62.5°	645.4	608.2	585.2	568.6	557.1	555.6	548.9
65°	542.4	514.0	493.6	485.7	473.9	470.8	470.8
67.5°	447.2	426.9	410.9	403.6	398.5	399.3	395.5
70°	387.3	370.8	360.5	352.6	348.7	349.5	346.4
72.5°	338.8	320.4	311.4	306.7	301.5	303.6	302.3
75°	256.6	247.2	242.5	237.7	234.6	233.0	231.5
77.5°	188.4	180.2	176.5	173.8	174.3	170.5	173.5
80°	145.6	138.6	136.2	132.3	131.5	131.5	130.7
82.5°	106.5	102.6	100.9	97.7	96.2	97.5	95.4
85°	55.1	51.9	51.2	51.2	49.6	48.1	51.9
87.5°	21.5	19.1	19.2	18.6	18.6	18.0	16.8
90°	6.8	7.2	7.9	7.9	7.9	8.2	8.2
92.5°	45.8	34.5	29.3	24.7	23.8	23.3	22.7
95°	202.4	158.4	128.5	103.1	92.4	89.6	83.9
97.5°	344.2	301.3	259.6	237.6	217.6	207.3	202.7
100°	421.5	384.8	347.6	323.0	297.3	284.1	278.4
102.5°	468.9	451.3	426.2	399.8	381.5	367.2	362.9
105°	495.7	511.4	507.6	496.0	484.3	477.2	472.9
107.5°	471.8	512.1	530.8	536.5	536.5	534.1	531.3
110°	444.7	495.0	525.3	541.4	548.2	550.7	550.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	417.9	468.8	504.5	528.0	539.7	545.8	548.5
115°	379.4	428.3	467.2	495.0	512.1	522.1	526.7
117.5°	352.7	394.9	430.6	458.4	476.2	486.0	488.9
120°	337.6	376.9	408.3	434.7	451.8	461.5	464.3
122.5°	326.8	361.7	391.1	414.8	430.4	440.1	442.6
125°	312.3	343.4	369.0	389.0	403.6	411.5	415.1
127.5°	298.4	327.4	351.4	369.6	382.5	389.9	391.5
130°	288.7	316.6	339.8	357.6	369.4	376.6	378.7
132.5°	279.6	304.9	327.2	345.1	356.8	363.3	365.8
135°	265.5	288.4	308.7	324.5	336.2	342.6	344.8
137.5°	253.0	272.0	289.2	303.3	314.0	319.9	322.2
140°	245.5	262.0	276.9	290.1	299.4	304.8	306.6
142.5°	239.2	253.4	266.4	277.6	285.5	290.5	292.1
145°	231.3	242.4	252.0	260.5	266.6	270.5	272.0
147.5°	224.6	233.2	240.4	247.2	252.1	254.3	255.0
150°	221.0	227.7	234.1	239.4	243.8	245.2	245.5
152.5°	217.2	223.4	228.4	232.9	236.3	237.7	238.1
155°	211.7	216.6	220.6	224.1	226.6	227.7	228.0
157.5°	206.3	210.3	213.3	216.1	218.1	219.1	219.0
160°	202.4	205.9	208.4	211.0	212.7	213.4	213.1
162.5°	198.9	202.0	204.2	206.1	207.5	207.7	207.6
165°	193.8	195.9	197.7	199.1	199.9	199.9	199.9
167.5°	188.8	190.5	191.8	192.5	193.1	192.8	192.7
170°	185.9	187.0	187.7	188.4	188.8	188.8	188.4
172.5°	183.4	184.2	184.6	184.7	185.4	184.8	184.4
175°	179.6	180.3	180.3	180.3	180.6	179.9	179.6
177.5°	177.8	177.8	177.8	177.6	177.8	177.0	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0

(END OF REPORT)