

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: P333460-840

Luminaire Tested: **S125DIW-S1270D470U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333460-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S1270D470U840-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

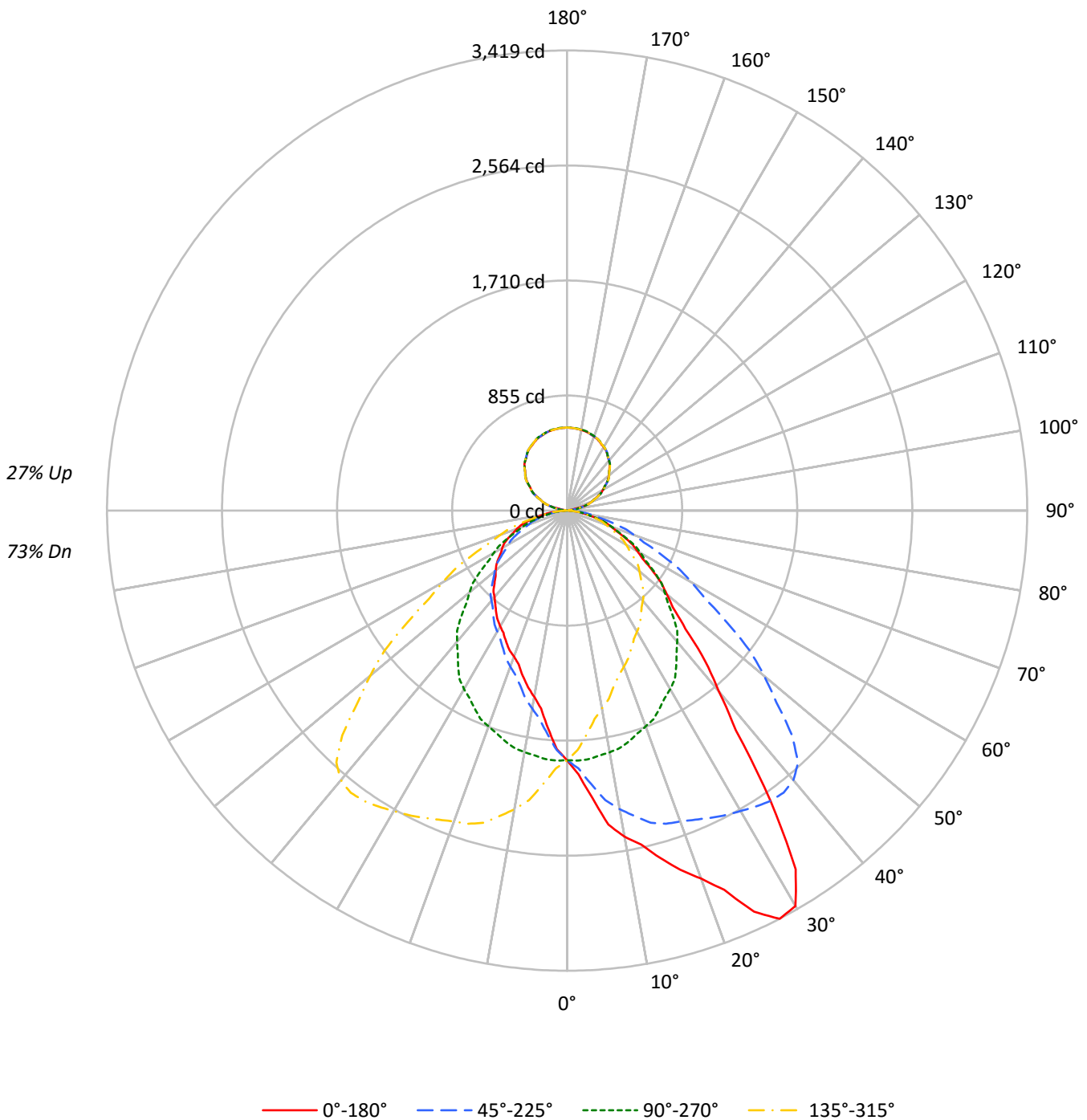
Lumens per Lamp: N/A  
Luminaire Lumens: 7127.3 lumens  
Efficiency: N/A  
Efficacy: 136.0 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 52.4  
Input Voltage (V): 120  
Input Current (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



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78	73
1	103	99	95	92	98	94	91	88	85	83	80	77	75	73	69	68	66	63
2	94	87	81	75	89	83	77	72	75	71	67	68	64	61	61	59	56	53
3	86	77	69	63	82	73	66	61	66	61	57	60	56	52	55	51	48	45
4	79	68	60	54	75	65	58	52	59	53	49	54	49	45	49	45	42	39
5	73	61	53	46	69	58	51	45	53	47	42	49	43	39	44	40	37	34
6	67	55	46	40	64	53	45	39	48	42	37	44	39	35	40	36	32	30
7	62	50	41	36	59	48	40	35	44	37	33	40	35	31	37	32	29	26
8	58	45	37	32	55	43	36	31	40	34	29	37	31	27	34	29	26	24
9	54	41	34	28	51	40	33	28	37	31	26	34	29	25	31	27	23	21
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	29	24	21	19

**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	2.5
10°-20°	531.6	7.5
20°-30°	863.2	12.1
30°-40°	1053.0	14.8
40°-50°	957.9	13.4
50°-60°	763.0	10.7
60°-70°	531.4	7.5
70°-80°	283.4	4.0
80°-90°	72.8	1.0
90°-100°	22.4	0.3
100°-110°	138.0	1.9
110°-120°	250.3	3.5
120°-130°	321.3	4.5
130°-140°	345.6	4.8
140°-150°	324.4	4.6
150°-160°	262.4	3.7
160°-170°	169.7	2.4
170°-180°	58.5	0.8
0°-30°	1573.4	22.1
0°-40°	2626.3	36.8
0°-60°	4347.2	61.0
0°-90°	5234.8	73.4
90°-120°	410.7	5.8
90°-150°	1401.9	19.7
90°-180°	1893.0	26.6
0°-180°	7127.3	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°	11	0	11	0	11	7
95°	10	26	10	26	10	8
105°	136	134	136	134	136	123
115°	250	252	250	252	250	248
125°	359	359	359	359	359	319
135°	446	447	446	447	446	344
145°	517	519	517	519	517	323
155°	567	571	567	571	567	261
165°	599	603	599	603	599	169
175°	614	616	614	616	614	58
180°	616	616	616	616	616	



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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°	17.3	18.5	19.1	19.0	19.6	19.5	21.9	21.8	23.6	25.3	27.8
90°	11.0	10.7	10.4	10.1	9.8	9.3	8.8	8.3	7.8	7.3	6.6
92.5°	10.2	10.1	10.0	9.8	9.7	9.3	8.8	8.3	7.8	7.3	6.7
95°	9.6	9.6	9.6	9.6	9.6	9.3	8.8	8.3	7.8	7.3	11.2
97.5°	9.6	9.6	9.6	9.6	9.6	11.0	13.9	16.8	19.6	22.5	30.1
100°	9.6	10.0	10.4	10.8	11.2	19.0	34.1	49.3	64.3	79.5	79.1
102.5°	57.5	64.3	71.3	78.2	85.1	90.0	92.8	95.7	98.6	101.4	101.2
105°	135.7	135.8	135.9	136.0	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.1	171.4	171.7	172.0	172.3	172.4	172.4	172.4	172.4	172.3	172.1
110°	195.5	195.4	195.3	195.2	195.1	195.2	195.5	195.8	196.1	196.4	196.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	217.4	217.6	217.7	217.9	218.0	218.3	218.6	219.0	219.4	219.8	219.7
115°	250.3	251.0	251.6	252.2	252.8	253.3	253.7	254.1	254.5	254.9	254.8
117.5°	285.5	285.7	286.0	286.2	286.5	286.9	287.4	287.9	288.5	289.0	288.6
120°	307.0	307.5	308.0	308.5	309.0	309.4	309.6	309.8	310.0	310.2	309.9
122.5°	327.5	328.1	328.6	329.2	329.8	330.2	330.4	330.6	330.8	331.0	330.9
125°	358.6	358.9	359.2	359.5	359.8	360.2	360.6	361.0	361.4	361.8	361.8
127.5°	384.9	385.6	386.4	387.1	387.9	388.4	388.6	388.8	389.0	389.2	389.3
130°	403.8	404.3	404.9	405.4	405.9	406.3	406.6	406.9	407.2	407.5	407.4
132.5°	421.4	421.9	422.4	422.9	423.4	423.7	423.7	423.8	423.9	423.9	424.1
135°	445.5	446.1	446.7	447.3	447.9	448.3	448.5	448.7	448.9	449.1	449.3
137.5°	469.6	470.1	470.6	471.1	471.7	471.9	471.9	471.8	471.8	471.7	471.9
140°	483.8	484.4	485.0	485.6	486.3	486.5	486.3	486.0	485.8	485.6	485.7
142.5°	497.4	498.0	498.6	499.2	499.8	500.1	500.0	500.0	499.9	499.9	499.8
145°	517.2	517.8	518.4	519.0	519.6	519.9	519.8	519.7	519.6	519.5	519.5
147.5°	533.5	534.2	535.0	535.7	536.4	536.7	536.6	536.5	536.3	536.2	536.1
150°	544.1	544.9	545.7	546.5	547.3	547.6	547.4	547.2	547.0	546.8	546.6
152.5°	554.0	554.7	555.4	556.1	556.9	557.1	556.9	556.7	556.5	556.3	556.1
155°	566.9	567.7	568.6	569.4	570.2	570.5	570.2	569.9	569.6	569.3	569.1
157.5°	577.8	578.7	579.5	580.3	581.1	581.3	581.0	580.7	580.4	580.1	580.0
160°	584.8	585.6	586.4	587.2	588.0	588.2	587.8	587.4	587.0	586.6	586.5
162.5°	591.0	591.9	592.8	593.7	594.6	594.7	594.2	593.6	593.0	592.5	592.4
165°	599.4	600.2	601.0	601.9	602.7	602.8	602.2	601.6	600.9	600.3	600.2
167.5°	605.2	606.1	607.0	607.9	608.9	608.9	608.2	607.5	606.8	606.0	605.9
170°	608.5	609.5	610.4	611.3	612.2	612.3	611.5	610.6	609.8	608.9	608.8
172.5°	610.8	611.7	612.6	613.5	614.4	614.5	613.7	613.0	612.3	611.6	611.4
175°	613.6	614.5	615.4	616.3	617.2	617.2	616.4	615.6	614.8	614.0	613.9
177.5°	615.2	615.8	616.5	617.1	617.8	617.8	617.2	616.7	616.1	615.6	615.5
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



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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°	28.9	27.5	24.8	22.8	19.5	17.4	16.7	17.1	15.3	14.9	15.7
90°	5.9	5.2	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	6.1	5.5	4.7	4.7	5.4	5.9	6.5	7.1	6.5	5.9	5.4
95°	15.0	18.9	22.7	24.8	25.1	25.4	25.8	26.1	25.8	25.4	25.1
97.5°	37.8	45.3	53.0	56.6	56.0	55.4	54.9	54.3	54.9	55.4	56.0
100°	78.7	78.3	77.9	77.6	77.3	77.0	76.6	76.2	76.6	77.0	77.3
102.5°	100.9	100.7	100.5	100.2	99.8	99.4	99.0	98.6	99.0	99.4	99.8
105°	136.1	136.1	136.1	135.9	135.5	135.1	134.7	134.3	134.7	135.1	135.5
107.5°	171.9	171.7	171.5	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4
110°	196.0	195.8	195.6	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5





TEST NUMBER: P333460-840

CATALOG NUMBER: S125DIW-S1270D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	219.6	219.4	219.3	219.1	218.9	218.6	218.4	218.2	218.4	218.6	218.9
115°	254.7	254.6	254.5	254.2	253.7	253.2	252.7	252.2	252.7	253.2	253.7
117.5°	288.2	287.8	287.5	287.3	287.3	287.3	287.3	287.4	287.3	287.3	287.3
120°	309.6	309.3	309.0	308.9	309.0	309.1	309.2	309.3	309.2	309.1	309.0
122.5°	330.7	330.6	330.4	330.2	329.8	329.4	329.0	328.7	329.0	329.4	329.8
125°	361.8	361.8	361.8	361.4	360.7	360.0	359.3	358.6	359.3	360.0	360.7
127.5°	389.4	389.4	389.5	389.3	388.8	388.3	387.8	387.2	387.8	388.3	388.8
130°	407.3	407.2	407.1	406.8	406.3	405.8	405.3	404.8	405.3	405.8	406.3
132.5°	424.4	424.6	424.9	424.6	424.0	423.5	422.9	422.3	422.9	423.5	424.0
135°	449.5	449.7	449.9	449.7	449.1	448.5	447.9	447.3	447.9	448.5	449.1
137.5°	472.1	472.3	472.5	472.3	471.8	471.2	470.7	470.2	470.7	471.2	471.8
140°	485.8	485.9	486.0	485.9	485.7	485.5	485.3	485.1	485.3	485.5	485.7
142.5°	499.6	499.5	499.3	499.2	499.1	499.0	498.9	498.7	498.9	499.0	499.1
145°	519.5	519.5	519.5	519.4	519.2	519.0	518.8	518.6	518.8	519.0	519.2
147.5°	536.0	535.9	535.7	535.7	535.7	535.8	535.8	535.9	535.8	535.8	535.7
150°	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8	546.6	546.4	546.2
152.5°	555.9	555.7	555.5	555.6	556.1	556.5	557.0	557.4	557.0	556.5	556.1
155°	568.9	568.7	568.5	568.7	569.3	569.9	570.5	571.1	570.5	569.9	569.3
157.5°	580.0	580.0	580.0	580.1	580.5	580.9	581.2	581.6	581.2	580.9	580.5
160°	586.4	586.3	586.2	586.4	587.0	587.6	588.2	588.9	588.2	587.6	587.0
162.5°	592.3	592.2	592.1	592.3	592.9	593.5	594.1	594.7	594.1	593.5	592.9
165°	600.1	600.0	599.9	600.2	600.8	601.4	602.0	602.6	602.0	601.4	600.8
167.5°	605.8	605.7	605.6	605.9	606.5	607.2	607.8	608.4	607.8	607.2	606.5
170°	608.7	608.6	608.5	608.8	609.6	610.3	611.1	611.8	611.1	610.3	609.6
172.5°	611.2	611.0	610.9	611.1	611.8	612.5	613.2	613.9	613.2	612.5	611.8
175°	613.8	613.7	613.6	613.9	614.5	615.1	615.7	616.3	615.7	615.1	614.5
177.5°	615.4	615.3	615.2	615.4	615.9	616.4	616.9	617.4	616.9	616.4	615.9
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333460-840

CATALOG NUMBER: S125DIW-S1270D470U840-4F0-1E-UDD-A

**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°	16.5	17.9	17.4	18.2	18.3	19.7	19.2	21.8	23.2	24.5	24.0
90°	3.7	4.4	5.2	5.9	6.6	7.3	7.8	8.3	8.8	9.3	9.8
92.5°	4.7	4.7	5.5	6.1	6.7	7.3	7.8	8.3	8.8	9.3	9.7
95°	24.8	22.7	18.9	15.0	11.2	7.3	7.8	8.3	8.8	9.3	9.6
97.5°	56.6	53.0	45.3	37.8	30.1	22.5	19.6	16.8	13.9	11.0	9.6
100°	77.6	77.9	78.3	78.7	79.1	79.5	64.3	49.3	34.1	19.0	11.2
102.5°	100.2	100.5	100.7	100.9	101.2	101.4	98.6	95.7	92.8	90.0	85.1
105°	135.9	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.4	171.5	171.7	171.9	172.1	172.3	172.4	172.4	172.4	172.4	172.3
110°	195.5	195.6	195.8	196.0	196.2	196.4	196.1	195.8	195.5	195.2	195.1



TEST NUMBER: P333460-840

CATALOG NUMBER: S125DIW-S1270D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	219.1	219.3	219.4	219.6	219.7	219.8	219.4	219.0	218.6	218.3	218.0
115°	254.2	254.5	254.6	254.7	254.8	254.9	254.5	254.1	253.7	253.3	252.8
117.5°	287.3	287.5	287.8	288.2	288.6	289.0	288.5	287.9	287.4	286.9	286.5
120°	308.9	309.0	309.3	309.6	309.9	310.2	310.0	309.8	309.6	309.4	309.0
122.5°	330.2	330.4	330.6	330.7	330.9	331.0	330.8	330.6	330.4	330.2	329.8
125°	361.4	361.8	361.8	361.8	361.8	361.8	361.4	361.0	360.6	360.2	359.8
127.5°	389.3	389.5	389.4	389.4	389.3	389.2	389.0	388.8	388.6	388.4	387.9
130°	406.8	407.1	407.2	407.3	407.4	407.5	407.2	406.9	406.6	406.3	405.9
132.5°	424.6	424.9	424.6	424.4	424.1	423.9	423.9	423.8	423.7	423.7	423.4
135°	449.7	449.9	449.7	449.5	449.3	449.1	448.9	448.7	448.5	448.3	447.9
137.5°	472.3	472.5	472.3	472.1	471.9	471.7	471.8	471.8	471.9	471.9	471.7
140°	485.9	486.0	485.9	485.8	485.7	485.6	485.8	486.0	486.3	486.5	486.3
142.5°	499.2	499.3	499.5	499.6	499.8	499.9	499.9	500.0	500.0	500.1	499.8
145°	519.4	519.5	519.5	519.5	519.5	519.5	519.6	519.7	519.8	519.9	519.6
147.5°	535.7	535.7	535.9	536.0	536.1	536.2	536.3	536.5	536.6	536.7	536.4
150°	546.0	546.0	546.2	546.4	546.6	546.8	547.0	547.2	547.4	547.6	547.3
152.5°	555.6	555.5	555.7	555.9	556.1	556.3	556.5	556.7	556.9	557.1	556.9
155°	568.7	568.5	568.7	568.9	569.1	569.3	569.6	569.9	570.2	570.5	570.2
157.5°	580.1	580.0	580.0	580.0	580.0	580.1	580.4	580.7	581.0	581.3	581.1
160°	586.4	586.2	586.3	586.4	586.5	586.6	587.0	587.4	587.8	588.2	588.0
162.5°	592.3	592.1	592.2	592.3	592.4	592.5	593.0	593.6	594.2	594.7	594.6
165°	600.2	599.9	600.0	600.1	600.2	600.3	600.9	601.6	602.2	602.8	602.7
167.5°	605.9	605.6	605.7	605.8	605.9	606.0	606.8	607.5	608.2	608.9	608.9
170°	608.8	608.5	608.6	608.7	608.8	608.9	609.8	610.6	611.5	612.3	612.2
172.5°	611.1	610.9	611.0	611.2	611.4	611.6	612.3	613.0	613.7	614.5	614.4
175°	613.9	613.6	613.7	613.8	613.9	614.0	614.8	615.6	616.4	617.2	617.2
177.5°	615.4	615.2	615.3	615.4	615.5	615.6	616.1	616.7	617.2	617.8	617.8
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333460-840

CATALOG NUMBER: S125DIW-S1270D470U840-4F0-1E-UDD-A

**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°	25.3	24.7	24.8	26.2	24.8	24.7	25.3	24.0	24.5	23.2	21.8
90°	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.3	8.8	8.3
92.5°	9.8	10.0	10.1	10.2	10.1	10.0	9.8	9.7	9.3	8.8	8.3
95°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.3	8.8	8.3
97.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	11.0	13.9	16.8
100°	10.8	10.4	10.0	9.6	10.0	10.4	10.8	11.2	19.0	34.1	49.3
102.5°	78.2	71.3	64.3	57.5	64.3	71.3	78.2	85.1	90.0	92.8	95.7
105°	136.0	135.9	135.8	135.7	135.8	135.9	136.0	136.1	136.1	136.1	136.1
107.5°	172.0	171.7	171.4	171.1	171.4	171.7	172.0	172.3	172.4	172.4	172.4
110°	195.2	195.3	195.4	195.5	195.4	195.3	195.2	195.1	195.2	195.5	195.8



TEST NUMBER: P333460-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	217.9	217.7	217.6	217.4	217.6	217.7	217.9	218.0	218.3	218.6	219.0
115°	252.2	251.6	251.0	250.3	251.0	251.6	252.2	252.8	253.3	253.7	254.1
117.5°	286.2	286.0	285.7	285.5	285.7	286.0	286.2	286.5	286.9	287.4	287.9
120°	308.5	308.0	307.5	307.0	307.5	308.0	308.5	309.0	309.4	309.6	309.8
122.5°	329.2	328.6	328.1	327.5	328.1	328.6	329.2	329.8	330.2	330.4	330.6
125°	359.5	359.2	358.9	358.6	358.9	359.2	359.5	359.8	360.2	360.6	361.0
127.5°	387.1	386.4	385.6	384.9	385.6	386.4	387.1	387.9	388.4	388.6	388.8
130°	405.4	404.9	404.3	403.8	404.3	404.9	405.4	405.9	406.3	406.6	406.9
132.5°	422.9	422.4	421.9	421.4	421.9	422.4	422.9	423.4	423.7	423.7	423.8
135°	447.3	446.7	446.1	445.5	446.1	446.7	447.3	447.9	448.3	448.5	448.7
137.5°	471.1	470.6	470.1	469.6	470.1	470.6	471.1	471.7	471.9	471.9	471.8
140°	485.6	485.0	484.4	483.8	484.4	485.0	485.6	486.3	486.5	486.3	486.0
142.5°	499.2	498.6	498.0	497.4	498.0	498.6	499.2	499.8	500.1	500.0	500.0
145°	519.0	518.4	517.8	517.2	517.8	518.4	519.0	519.6	519.9	519.8	519.7
147.5°	535.7	535.0	534.2	533.5	534.2	535.0	535.7	536.4	536.7	536.6	536.5
150°	546.5	545.7	544.9	544.1	544.9	545.7	546.5	547.3	547.6	547.4	547.2
152.5°	556.1	555.4	554.7	554.0	554.7	555.4	556.1	556.9	557.1	556.9	556.7
155°	569.4	568.6	567.7	566.9	567.7	568.6	569.4	570.2	570.5	570.2	569.9
157.5°	580.3	579.5	578.7	577.8	578.7	579.5	580.3	581.1	581.3	581.0	580.7
160°	587.2	586.4	585.6	584.8	585.6	586.4	587.2	588.0	588.2	587.8	587.4
162.5°	593.7	592.8	591.9	591.0	591.9	592.8	593.7	594.6	594.7	594.2	593.6
165°	601.9	601.0	600.2	599.4	600.2	601.0	601.9	602.7	602.8	602.2	601.6
167.5°	607.9	607.0	606.1	605.2	606.1	607.0	607.9	608.9	608.9	608.2	607.5
170°	611.3	610.4	609.5	608.5	609.5	610.4	611.3	612.2	612.3	611.5	610.6
172.5°	613.5	612.6	611.7	610.8	611.7	612.6	613.5	614.4	614.5	613.7	613.0
175°	616.3	615.4	614.5	613.6	614.5	615.4	616.3	617.2	617.2	616.4	615.6
177.5°	617.1	616.5	615.8	615.2	615.8	616.5	617.1	617.8	617.8	617.2	616.7
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333460-840

CATALOG NUMBER: S125DIW-S1270D470U840-4F0-1E-UDD-A

**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°	19.2	19.7	18.3	18.2	17.4	17.9	16.5	15.7	14.9	15.3	17.1
90°	7.8	7.3	6.6	5.9	5.2	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	7.8	7.3	6.7	6.1	5.5	4.7	4.7	5.4	5.9	6.5	7.1
95°	7.8	7.3	11.2	15.0	18.9	22.7	24.8	25.1	25.4	25.8	26.1
97.5°	19.6	22.5	30.1	37.8	45.3	53.0	56.6	56.0	55.4	54.9	54.3
100°	64.3	79.5	79.1	78.7	78.3	77.9	77.6	77.3	77.0	76.6	76.2
102.5°	98.6	101.4	101.2	100.9	100.7	100.5	100.2	99.8	99.4	99.0	98.6
105°	136.1	136.1	136.1	136.1	136.1	136.1	135.9	135.5	135.1	134.7	134.3
107.5°	172.4	172.3	172.1	171.9	171.7	171.5	171.4	171.4	171.4	171.4	171.4
110°	196.1	196.4	196.2	196.0	195.8	195.6	195.5	195.5	195.5	195.5	195.5



TEST NUMBER: P333460-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	219.4	219.8	219.7	219.6	219.4	219.3	219.1	218.9	218.6	218.4	218.2
115°	254.5	254.9	254.8	254.7	254.6	254.5	254.2	253.7	253.2	252.7	252.2
117.5°	288.5	289.0	288.6	288.2	287.8	287.5	287.3	287.3	287.3	287.3	287.4
120°	310.0	310.2	309.9	309.6	309.3	309.0	308.9	309.0	309.1	309.2	309.3
122.5°	330.8	331.0	330.9	330.7	330.6	330.4	330.2	329.8	329.4	329.0	328.7
125°	361.4	361.8	361.8	361.8	361.8	361.8	361.4	360.7	360.0	359.3	358.6
127.5°	389.0	389.2	389.3	389.4	389.4	389.5	389.3	388.8	388.3	387.8	387.2
130°	407.2	407.5	407.4	407.3	407.2	407.1	406.8	406.3	405.8	405.3	404.8
132.5°	423.9	423.9	424.1	424.4	424.6	424.9	424.6	424.0	423.5	422.9	422.3
135°	448.9	449.1	449.3	449.5	449.7	449.9	449.7	449.1	448.5	447.9	447.3
137.5°	471.8	471.7	471.9	472.1	472.3	472.5	472.3	471.8	471.2	470.7	470.2
140°	485.8	485.6	485.7	485.8	485.9	486.0	485.9	485.7	485.5	485.3	485.1
142.5°	499.9	499.9	499.8	499.6	499.5	499.3	499.2	499.1	499.0	498.9	498.7
145°	519.6	519.5	519.5	519.5	519.5	519.5	519.4	519.2	519.0	518.8	518.6
147.5°	536.3	536.2	536.1	536.0	535.9	535.7	535.7	535.7	535.8	535.8	535.9
150°	547.0	546.8	546.6	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8
152.5°	556.5	556.3	556.1	555.9	555.7	555.5	555.6	556.1	556.5	557.0	557.4
155°	569.6	569.3	569.1	568.9	568.7	568.5	568.7	569.3	569.9	570.5	571.1
157.5°	580.4	580.1	580.0	580.0	580.0	580.0	580.1	580.5	580.9	581.2	581.6
160°	587.0	586.6	586.5	586.4	586.3	586.2	586.4	587.0	587.6	588.2	588.9
162.5°	593.0	592.5	592.4	592.3	592.2	592.1	592.3	592.9	593.5	594.1	594.7
165°	600.9	600.3	600.2	600.1	600.0	599.9	600.2	600.8	601.4	602.0	602.6
167.5°	606.8	606.0	605.9	605.8	605.7	605.6	605.9	606.5	607.2	607.8	608.4
170°	609.8	608.9	608.8	608.7	608.6	608.5	608.8	609.6	610.3	611.1	611.8
172.5°	612.3	611.6	611.4	611.2	611.0	610.9	611.1	611.8	612.5	613.2	613.9
175°	614.8	614.0	613.9	613.8	613.7	613.6	613.9	614.5	615.1	615.7	616.3
177.5°	616.1	615.6	615.5	615.4	615.3	615.2	615.4	615.9	616.4	616.9	617.4
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333460-840

CATALOG NUMBER: S125DIW-S1270D470U840-4F0-1E-UDD-A

**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°	16.7	17.4	19.5	22.8	24.8	27.5	28.9	27.8	25.3	23.6	21.8
90°	1.3	2.1	2.9	3.7	4.4	5.2	5.9	6.6	7.3	7.8	8.3
92.5°	6.5	5.9	5.4	4.7	4.7	5.5	6.1	6.7	7.3	7.8	8.3
95°	25.8	25.4	25.1	24.8	22.7	18.9	15.0	11.2	7.3	7.8	8.3
97.5°	54.9	55.4	56.0	56.6	53.0	45.3	37.8	30.1	22.5	19.6	16.8
100°	76.6	77.0	77.3	77.6	77.9	78.3	78.7	79.1	79.5	64.3	49.3
102.5°	99.0	99.4	99.8	100.2	100.5	100.7	100.9	101.2	101.4	98.6	95.7
105°	134.7	135.1	135.5	135.9	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.4	171.4	171.4	171.4	171.5	171.7	171.9	172.1	172.3	172.4	172.4
110°	195.5	195.5	195.5	195.5	195.6	195.8	196.0	196.2	196.4	196.1	195.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	218.4	218.6	218.9	219.1	219.3	219.4	219.6	219.7	219.8	219.4	219.0
115°	252.7	253.2	253.7	254.2	254.5	254.6	254.7	254.8	254.9	254.5	254.1
117.5°	287.3	287.3	287.3	287.3	287.5	287.8	288.2	288.6	289.0	288.5	287.9
120°	309.2	309.1	309.0	308.9	309.0	309.3	309.6	309.9	310.2	310.0	309.8
122.5°	329.0	329.4	329.8	330.2	330.4	330.6	330.7	330.9	331.0	330.8	330.6
125°	359.3	360.0	360.7	361.4	361.8	361.8	361.8	361.8	361.8	361.4	361.0
127.5°	387.8	388.3	388.8	389.3	389.5	389.4	389.4	389.3	389.2	389.0	388.8
130°	405.3	405.8	406.3	406.8	407.1	407.2	407.3	407.4	407.5	407.2	406.9
132.5°	422.9	423.5	424.0	424.6	424.9	424.6	424.4	424.1	423.9	423.9	423.8
135°	447.9	448.5	449.1	449.7	449.9	449.7	449.5	449.3	449.1	448.9	448.7
137.5°	470.7	471.2	471.8	472.3	472.5	472.3	472.1	471.9	471.7	471.8	471.8
140°	485.3	485.5	485.7	485.9	486.0	485.9	485.8	485.7	485.6	485.8	486.0
142.5°	498.9	499.0	499.1	499.2	499.3	499.5	499.6	499.8	499.9	499.9	500.0
145°	518.8	519.0	519.2	519.4	519.5	519.5	519.5	519.5	519.5	519.6	519.7
147.5°	535.8	535.8	535.7	535.7	535.7	535.9	536.0	536.1	536.2	536.3	536.5
150°	546.6	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8	547.0	547.2
152.5°	557.0	556.5	556.1	555.6	555.5	555.7	555.9	556.1	556.3	556.5	556.7
155°	570.5	569.9	569.3	568.7	568.5	568.7	568.9	569.1	569.3	569.6	569.9
157.5°	581.2	580.9	580.5	580.1	580.0	580.0	580.0	580.0	580.1	580.4	580.7
160°	588.2	587.6	587.0	586.4	586.2	586.3	586.4	586.5	586.6	587.0	587.4
162.5°	594.1	593.5	592.9	592.3	592.1	592.2	592.3	592.4	592.5	593.0	593.6
165°	602.0	601.4	600.8	600.2	599.9	600.0	600.1	600.2	600.3	600.9	601.6
167.5°	607.8	607.2	606.5	605.9	605.6	605.7	605.8	605.9	606.0	606.8	607.5
170°	611.1	610.3	609.6	608.8	608.5	608.6	608.7	608.8	608.9	609.8	610.6
172.5°	613.2	612.5	611.8	611.1	610.9	611.0	611.2	611.4	611.6	612.3	613.0
175°	615.7	615.1	614.5	613.9	613.6	613.7	613.8	613.9	614.0	614.8	615.6
177.5°	616.9	616.4	615.9	615.4	615.2	615.3	615.4	615.5	615.6	616.1	616.7
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



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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°	21.9	19.5	19.6	19.0	19.1	18.5	17.3
90°	8.8	9.3	9.8	10.1	10.4	10.7	11.0
92.5°	8.8	9.3	9.7	9.8	10.0	10.1	10.2
95°	8.8	9.3	9.6	9.6	9.6	9.6	9.6
97.5°	13.9	11.0	9.6	9.6	9.6	9.6	9.6
100°	34.1	19.0	11.2	10.8	10.4	10.0	9.6
102.5°	92.8	90.0	85.1	78.2	71.3	64.3	57.5
105°	136.1	136.1	136.1	136.0	135.9	135.8	135.7
107.5°	172.4	172.4	172.3	172.0	171.7	171.4	171.1
110°	195.5	195.2	195.1	195.2	195.3	195.4	195.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	218.6	218.3	218.0	217.9	217.7	217.6	217.4
115°	253.7	253.3	252.8	252.2	251.6	251.0	250.3
117.5°	287.4	286.9	286.5	286.2	286.0	285.7	285.5
120°	309.6	309.4	309.0	308.5	308.0	307.5	307.0
122.5°	330.4	330.2	329.8	329.2	328.6	328.1	327.5
125°	360.6	360.2	359.8	359.5	359.2	358.9	358.6
127.5°	388.6	388.4	387.9	387.1	386.4	385.6	384.9
130°	406.6	406.3	405.9	405.4	404.9	404.3	403.8
132.5°	423.7	423.7	423.4	422.9	422.4	421.9	421.4
135°	448.5	448.3	447.9	447.3	446.7	446.1	445.5
137.5°	471.9	471.9	471.7	471.1	470.6	470.1	469.6
140°	486.3	486.5	486.3	485.6	485.0	484.4	483.8
142.5°	500.0	500.1	499.8	499.2	498.6	498.0	497.4
145°	519.8	519.9	519.6	519.0	518.4	517.8	517.2
147.5°	536.6	536.7	536.4	535.7	535.0	534.2	533.5
150°	547.4	547.6	547.3	546.5	545.7	544.9	544.1
152.5°	556.9	557.1	556.9	556.1	555.4	554.7	554.0
155°	570.2	570.5	570.2	569.4	568.6	567.7	566.9
157.5°	581.0	581.3	581.1	580.3	579.5	578.7	577.8
160°	587.8	588.2	588.0	587.2	586.4	585.6	584.8
162.5°	594.2	594.7	594.6	593.7	592.8	591.9	591.0
165°	602.2	602.8	602.7	601.9	601.0	600.2	599.4
167.5°	608.2	608.9	608.9	607.9	607.0	606.1	605.2
170°	611.5	612.3	612.2	611.3	610.4	609.5	608.5
172.5°	613.7	614.5	614.4	613.5	612.6	611.7	610.8
175°	616.4	617.2	617.2	616.3	615.4	614.5	613.6
177.5°	617.2	617.8	617.8	617.1	616.5	615.8	615.2
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3

(END OF REPORT)