

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1032812

Luminaire Tested: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032812
REPORT IS A COMBINATION OF REPORTS P998150 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K
Description: Define 4 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

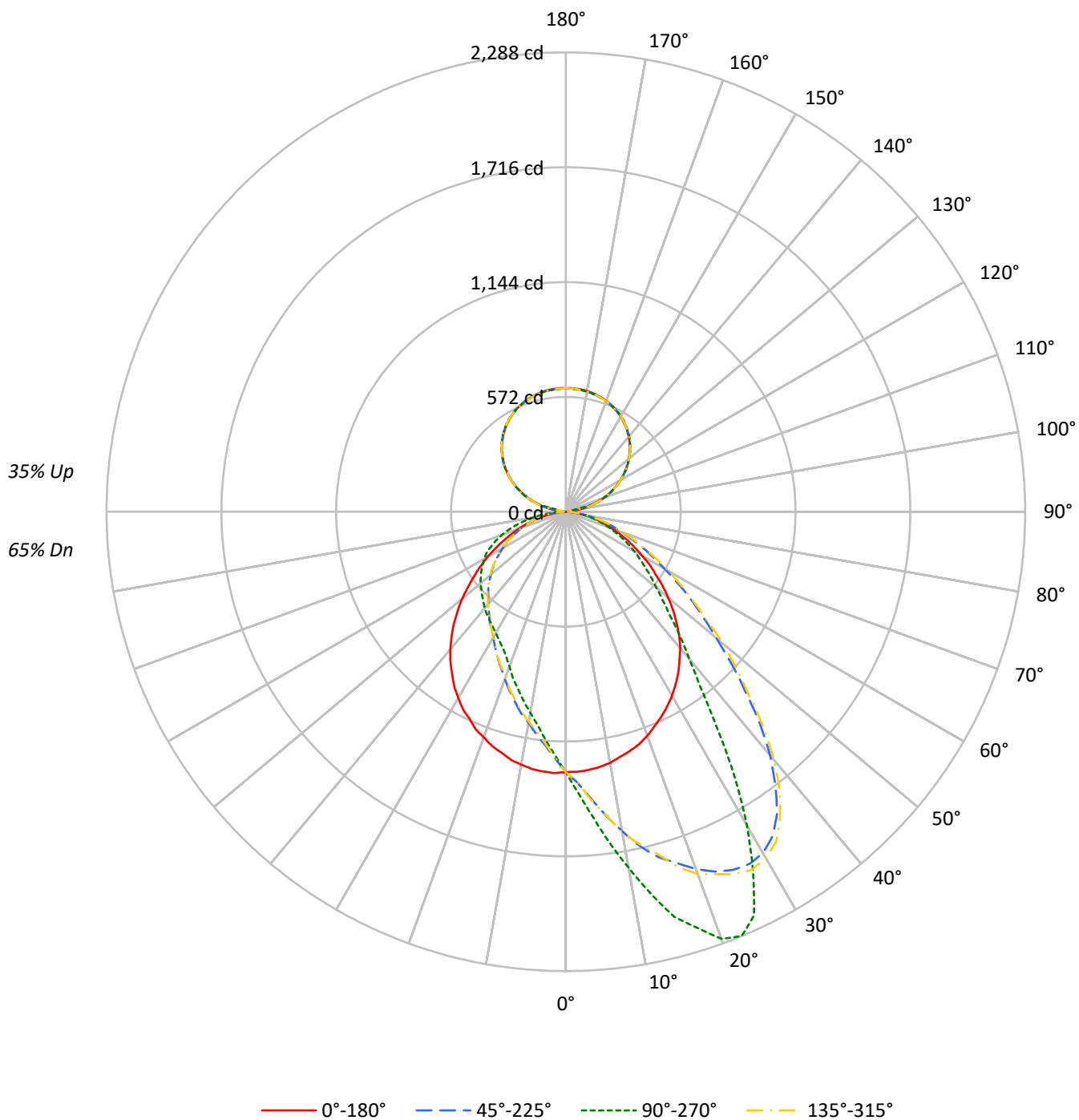
Lumens per Lamp: N/A
Luminaire Lumens: 5482.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 49.1
Input Voltage (V):
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: 24 FT

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Luminous Intensity Polar Plot



TEST NUMBER: P1032812

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65		
1	101	97	93	90	95	92	88	85	81	78	76	71	69	68	62	61	60	56		
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	55	53	51	47		
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44	40		
4	78	67	59	53	73	63	56	51	56	51	46	50	46	42	44	41	38	35		
5	72	60	52	46	67	57	49	44	51	45	40	45	40	37	40	36	33	30		
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	32	29	27		
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24		
8	57	44	37	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21		
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19		
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10571	10571	10571	10571
5°	10544	12126	10605	9112
10°	10465	14149	10545	7995
15°	10339	16310	10411	7153
20°	10205	17686	10279	6413
25°	10010	17484	10106	5868
30°	9819	14451	9938	5586
35°	9551	10769	9656	5415
40°	9238	8112	9327	5332
45°	8760	6511	8869	5218
50°	8190	5485	8309	5165
55°	7518	4774	7636	5104
60°	6867	4204	7067	5019
65°	6254	3617	6313	4810
70°	5535	2977	5656	4429
75°	4827	2287	4798	3763
80°	3800	1503	3755	2857
85°	2503	675	2343	1666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 13668 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	2.3
10°-20°	389.4	7.1
20°-30°	618.6	11.3
30°-40°	687.4	12.5
40°-50°	625.1	11.4
50°-60°	510.8	9.3
60°-70°	364.6	6.7
70°-80°	200.7	3.7
80°-90°	55.5	1.0
90°-100°	20.4	0.4
100°-110°	134.5	2.5
110°-120°	256.8	4.7
120°-130°	326.0	5.9
130°-140°	348.8	6.4
140°-150°	326.1	5.9
150°-160°	263.0	4.8
160°-170°	169.6	3.1
170°-180°	58.5	1.1
0°-30°	1134.2	20.7
0°-40°	1821.6	33.2
0°-60°	2957.5	53.9
0°-90°	3578.3	65.3
90°-120°	411.7	7.5
90°-150°	1412.6	25.8
90°-180°	1904.0	34.7
0°-180°	5482.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1291	1521	1298	1143	1291	123
15°	1233	2089	1242	916	1233	348
25°	1126	2218	1136	744	1126	519
35°	976	1311	987	659	976	610
45°	779	736	788	590	779	600
55°	548	481	556	514	548	493
65°	342	309	345	411	342	337
75°	168	155	166	254	168	176
85°	34	32	32	80	34	40
90°	1	14	1	14	1	3
95°	25	13	25	13	25	31
105°	138	131	138	131	138	145
115°	259	260	259	260	259	255
125°	364	366	364	366	364	325
135°	451	454	451	454	451	347
145°	520	523	520	523	520	325
155°	570	570	570	570	570	263
165°	601	599	601	599	601	170
175°	615	612	615	612	615	59
180°	615	615	615	615	615	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3
2.5°	1296.3	1309.2	1314.5	1318.8	1332.8	1337.1	1338.2	1344.6	1350.0	1351.1	1351.1
5°	1290.9	1311.3	1327.4	1342.5	1365.0	1374.7	1386.5	1399.4	1416.6	1427.3	1432.7
7.5°	1282.3	1312.4	1337.1	1362.9	1394.0	1413.3	1424.1	1458.5	1482.1	1501.4	1525.0
10°	1269.4	1308.1	1343.5	1381.1	1425.2	1448.8	1472.4	1514.3	1547.6	1585.2	1615.3
12.5°	1250.1	1300.6	1343.5	1396.2	1450.9	1478.9	1506.8	1579.8	1618.5	1651.8	1705.5
15°	1232.9	1283.4	1344.6	1398.3	1466.0	1507.9	1548.7	1595.9	1657.1	1729.1	1780.6
17.5°	1213.6	1277.0	1333.9	1409.1	1484.2	1524.0	1557.3	1630.3	1716.2	1787.1	1834.3
20°	1186.7	1251.2	1326.4	1405.8	1495.0	1526.1	1570.1	1667.9	1745.2	1815.0	1892.3
22.5°	1155.6	1230.8	1310.2	1386.5	1478.9	1544.4	1592.7	1678.6	1772.1	1852.6	1939.6
25°	1125.5	1207.1	1277.0	1381.1	1478.9	1522.9	1577.7	1679.7	1781.7	1879.4	1968.6
27.5°	1093.3	1169.6	1264.1	1346.8	1457.4	1505.7	1564.8	1676.5	1784.9	1882.7	1978.3
30°	1057.9	1139.5	1217.9	1315.6	1423.0	1485.3	1540.1	1661.4	1772.1	1874.1	1963.2
32.5°	1018.1	1095.5	1179.2	1271.6	1384.3	1447.7	1516.4	1641.0	1759.2	1847.2	1916.0
35°	976.2	1054.6	1127.7	1222.2	1338.2	1401.5	1468.1	1605.6	1722.6	1794.6	1834.3
37.5°	930.1	1004.2	1076.1	1169.6	1285.5	1353.2	1420.9	1554.0	1664.7	1724.8	1714.1
40°	886.0	952.6	1019.2	1107.3	1228.6	1300.6	1359.6	1493.9	1590.6	1616.3	1580.9
42.5°	835.5	892.5	956.9	1047.1	1165.3	1232.9	1307.0	1429.5	1501.4	1490.7	1430.5
45°	778.6	829.1	893.5	978.4	1098.7	1168.5	1230.8	1346.8	1399.4	1372.5	1263.0
47.5°	723.9	773.3	825.9	910.7	1027.8	1086.9	1150.2	1254.4	1284.5	1227.5	1118.0
50°	664.8	705.6	760.4	840.9	950.5	1012.8	1065.4	1149.1	1159.9	1090.1	976.2
52.5°	607.9	642.2	694.9	774.3	876.4	925.8	977.3	1051.4	1042.8	970.9	861.3
55°	547.7	579.9	628.3	701.3	791.5	838.8	882.8	948.3	930.1	856.0	760.4
57.5°	497.2	519.8	567.1	634.7	708.8	760.4	798.0	849.5	821.6	747.5	658.3
60°	439.3	467.2	506.9	561.7	634.7	669.1	702.4	736.7	717.4	646.5	567.1
62.5°	386.6	408.1	442.5	495.1	552.0	583.2	618.6	640.1	620.8	555.2	488.7
65°	341.5	358.7	385.6	428.5	483.3	509.1	529.5	549.9	533.8	472.5	424.2
67.5°	292.1	307.2	329.7	364.1	410.3	428.5	447.8	461.8	443.6	402.7	355.5
70°	248.1	258.8	280.3	306.1	338.3	355.5	371.6	385.6	369.4	335.1	299.6
72.5°	203.0	211.6	230.9	249.2	278.2	290.0	301.8	312.5	307.2	274.9	245.9
75°	167.5	170.8	183.6	198.7	216.9	229.8	238.4	244.9	240.6	214.8	196.5
77.5°	126.7	131.0	140.7	152.5	168.6	176.1	181.5	187.9	182.6	162.2	149.3
80°	92.4	93.4	98.8	109.5	120.3	121.4	126.7	135.3	132.1	118.1	108.5
82.5°	59.1	62.3	64.4	70.9	78.4	80.5	83.8	85.9	84.8	76.3	73.0
85°	34.4	34.4	36.5	40.8	43.0	46.2	47.3	48.3	50.5	45.1	41.9
87.5°	15.0	16.1	16.1	17.2	19.3	19.3	20.4	21.5	22.6	21.5	18.3
90°	1.4	2.5	3.6	4.7	5.8	6.4	6.8	7.6	8.5	9.3	10.1
92.5°	6.9	6.7	6.5	6.3	6.1	6.0	6.4	7.2	8.1	8.9	9.7
95°	25.3	21.8	18.4	14.9	11.4	9.7	9.7	9.8	9.9	10.0	10.1
97.5°	48.3	50.5	52.8	55.0	57.3	58.4	53.0	42.3	31.6	20.8	10.1
100°	75.5	77.3	79.1	81.0	82.8	83.7	76.6	62.5	48.4	34.3	20.2
102.5°	105.8	107.0	108.3	109.5	110.8	111.4	112.0	113.2	114.5	115.7	116.9
105°	138.5	139.1	139.7	140.4	141.0	141.3	141.6	142.1	142.6	143.1	143.6
107.5°	168.4	168.7	169.0	169.3	169.6	169.8	170.2	170.9	171.6	172.3	173.0
110°	198.8	199.1	199.4	199.7	200.0	200.2	200.5	201.1	201.7	202.3	202.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	228.2	228.8	229.4	230.1	230.7	231.0	231.1	231.3	231.5	231.7	231.9
115°	258.6	258.9	259.2	259.5	259.8	260.0	259.9	259.8	259.7	259.6	259.5
117.5°	285.8	286.2	286.6	287.0	287.4	287.6	287.8	288.1	288.4	288.7	289.0
120°	313.4	313.8	314.2	314.6	315.0	315.2	315.1	315.0	314.9	314.8	314.7
122.5°	339.1	339.3	339.5	339.8	340.0	340.1	340.2	340.4	340.6	340.8	341.0
125°	363.5	363.9	364.3	364.8	365.2	365.4	365.3	365.1	364.8	364.6	364.4
127.5°	387.0	387.1	387.2	387.3	387.4	387.5	387.8	388.3	388.8	389.3	389.8
130°	409.5	409.6	409.7	409.8	409.9	410.0	410.2	410.5	410.8	411.1	411.4
132.5°	430.2	430.4	430.6	430.9	431.1	431.2	431.4	431.8	432.2	432.6	433.0
135°	451.0	450.9	450.8	450.7	450.6	450.5	450.7	451.1	451.5	451.9	452.3
137.5°	469.4	469.4	469.4	469.4	469.4	469.4	469.7	470.2	470.7	471.2	471.7
140°	487.3	487.5	487.7	487.9	488.1	488.2	488.3	488.5	488.7	488.9	489.1
142.5°	503.4	503.8	504.2	504.7	505.1	505.3	505.3	505.4	505.5	505.6	505.7
145°	520.0	520.3	520.6	520.9	521.2	521.4	521.4	521.4	521.4	521.4	521.4
147.5°	532.9	533.5	534.1	534.7	535.3	535.6	535.6	535.5	535.4	535.3	535.2
150°	547.1	547.5	547.9	548.4	548.8	549.0	548.9	548.8	548.7	548.6	548.5
152.5°	559.1	559.4	559.7	560.0	560.3	560.5	560.4	560.2	559.9	559.7	559.5
155°	570.1	570.2	570.3	570.4	570.5	570.6	570.4	570.1	569.8	569.5	569.2
157.5°	579.8	579.8	579.8	579.8	579.8	579.8	579.6	579.2	578.8	578.4	578.0
160°	588.1	587.8	587.5	587.2	586.9	586.7	586.6	586.5	586.4	586.3	586.2
162.5°	595.4	595.0	594.6	594.2	593.8	593.6	593.5	593.4	593.3	593.2	593.1
165°	601.4	600.9	600.4	599.9	599.4	599.1	599.1	599.1	599.1	599.1	599.1
167.5°	606.5	606.0	605.5	605.0	604.5	604.2	604.1	604.0	603.9	603.8	603.7
170°	610.6	610.0	609.4	608.8	608.2	607.9	607.9	608.0	608.1	608.2	608.3
172.5°	613.4	612.8	612.2	611.5	610.9	610.6	610.7	610.8	610.9	611.0	611.1
175°	615.2	614.6	614.0	613.4	612.8	612.5	612.5	612.6	612.7	612.8	612.9
177.5°	616.6	615.9	615.2	614.5	613.8	613.4	613.5	613.7	613.9	614.1	614.3
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3
2.5°	1354.3	1373.6	1382.2	1384.3	1396.2	1388.6	1391.9	1390.8	1399.4	1400.5	1400.5
5°	1453.1	1475.6	1483.2	1493.9	1510.0	1514.3	1511.1	1517.5	1529.3	1520.7	1533.6
7.5°	1557.3	1582.0	1599.1	1622.8	1628.1	1642.1	1650.7	1658.2	1660.4	1661.4	1663.6
10°	1653.9	1685.1	1708.7	1748.4	1757.0	1764.5	1802.1	1787.1	1806.4	1800.0	1802.1
12.5°	1732.3	1793.5	1812.9	1879.4	1885.9	1911.7	1909.5	1933.1	1937.4	1946.0	1937.4
15°	1835.4	1906.3	1937.4	1975.0	1996.5	2026.6	2032.0	2064.2	2077.1	2088.9	2077.1
17.5°	1929.9	1967.5	2047.0	2077.1	2091.0	2107.1	2147.9	2159.8	2179.1	2171.6	2193.0
20°	1977.2	2030.9	2114.6	2166.2	2187.7	2202.7	2237.1	2255.3	2262.9	2262.9	2265.0
22.5°	2019.1	2096.4	2158.7	2217.8	2237.1	2247.8	2268.2	2282.2	2285.4	2287.6	2289.7
25°	2056.7	2126.5	2176.9	2210.2	2217.8	2217.8	2229.6	2221.0	2207.0	2217.8	2224.2
27.5°	2056.7	2106.1	2128.6	2140.4	2140.4	2111.4	2094.2	2058.8	2028.7	2020.1	2039.5
30°	2022.3	2044.8	2013.7	1984.7	1962.1	1942.8	1875.2	1821.5	1810.7	1803.2	1832.2
32.5°	1942.8	1913.8	1852.6	1768.8	1735.5	1691.5	1638.9	1598.1	1573.4	1564.8	1558.3
35°	1802.1	1726.9	1647.5	1534.7	1511.1	1455.2	1383.3	1353.2	1312.4	1311.3	1325.3
37.5°	1648.5	1532.6	1446.6	1339.2	1305.9	1246.9	1179.2	1148.1	1120.2	1098.7	1124.4
40°	1469.2	1368.2	1237.2	1149.1	1101.9	1070.7	1013.8	979.5	966.6	955.8	971.9
42.5°	1301.7	1191.0	1089.0	998.8	960.1	924.7	887.1	853.8	844.1	843.1	854.9
45°	1135.2	1026.7	932.2	854.9	830.2	808.7	772.2	762.5	746.4	735.7	741.0
47.5°	1002.0	890.3	811.9	752.9	731.4	713.1	689.5	673.4	659.4	655.1	661.6
50°	871.0	795.8	715.3	665.9	649.8	632.6	614.3	599.3	592.8	588.5	592.8
52.5°	765.7	685.2	630.4	590.7	574.6	561.7	548.8	542.4	533.8	535.9	540.2
55°	671.2	600.3	554.2	525.2	515.5	510.1	494.0	486.5	483.3	481.1	483.3
57.5°	582.1	530.5	496.2	471.5	458.6	455.4	442.5	442.5	439.3	436.0	437.1
60°	511.2	467.2	433.9	414.6	412.4	407.0	398.4	397.4	389.9	393.1	394.1
62.5°	439.3	403.8	381.3	369.4	361.9	359.8	354.4	353.3	350.1	351.2	349.0
65°	382.3	353.3	330.8	321.1	317.9	316.8	312.5	309.3	307.2	309.3	307.2
67.5°	325.4	306.1	288.9	279.2	274.9	273.9	270.6	268.5	269.6	266.3	268.5
70°	271.7	252.4	241.6	236.3	234.1	230.9	230.9	230.9	230.9	228.8	227.7
72.5°	228.8	209.4	201.9	198.7	196.5	195.5	192.2	193.3	192.2	191.2	195.5
75°	181.5	169.7	162.2	158.9	161.1	157.9	154.7	156.8	153.6	154.7	158.9
77.5°	137.5	132.1	127.8	125.7	123.5	121.4	121.4	119.2	119.2	119.2	119.2
80°	99.9	98.8	91.3	90.2	90.2	88.1	88.1	88.1	88.1	87.0	88.1
82.5°	66.6	65.5	63.4	62.3	60.1	61.2	61.2	59.1	59.1	58.0	59.1
85°	38.7	38.7	36.5	35.4	34.4	35.4	33.3	32.2	33.3	32.2	33.3
87.5°	18.3	16.1	17.2	16.1	14.0	15.0	12.9	14.0	12.9	11.8	14.0
90°	10.7	11.3	12.0	12.6	12.9	13.0	13.2	13.4	13.6	13.8	13.6
92.5°	10.3	10.9	11.5	12.1	12.4	12.4	12.4	12.4	12.4	12.4	12.4
95°	10.7	11.3	12.0	12.6	12.9	12.9	13.0	13.1	13.2	13.3	13.2
97.5°	10.6	11.1	11.6	12.1	12.4	12.5	12.6	12.7	12.8	12.9	12.8
100°	18.5	16.7	15.0	13.3	12.4	12.5	12.6	12.7	12.8	12.9	12.8
102.5°	93.9	70.9	47.8	24.8	13.3	13.3	13.3	13.3	13.3	13.3	13.3
105°	144.5	145.4	146.3	147.2	147.7	145.9	142.2	138.5	134.8	131.1	134.8
107.5°	173.5	174.0	174.5	175.0	175.3	175.5	175.9	176.4	176.8	177.2	176.8
110°	203.1	203.3	203.5	203.7	203.8	204.0	204.3	204.6	204.9	205.2	204.9

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	231.8	231.7	231.6	231.5	231.5	231.7	232.1	232.5	232.9	233.3	232.9
115°	259.7	259.9	260.1	260.3	260.4	260.4	260.4	260.4	260.4	260.4	260.4
117.5°	288.9	288.8	288.7	288.6	288.5	288.5	288.5	288.5	288.5	288.5	288.5
120°	314.9	315.1	315.4	315.6	315.7	315.6	315.4	315.1	314.9	314.7	314.9
122.5°	341.1	341.2	341.3	341.4	341.4	341.3	341.1	340.9	340.7	340.5	340.7
125°	364.7	365.0	365.3	365.6	365.8	365.9	366.0	366.1	366.2	366.3	366.2
127.5°	389.7	389.6	389.5	389.4	389.3	389.2	389.1	389.0	388.9	388.8	388.9
130°	411.5	411.6	411.7	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8
132.5°	433.1	433.2	433.3	433.4	433.5	433.4	433.3	433.2	433.1	433.0	433.1
135°	452.5	452.7	453.0	453.2	453.3	453.4	453.6	453.8	454.0	454.2	454.0
137.5°	471.9	472.1	472.3	472.5	472.6	472.5	472.4	472.3	472.2	472.1	472.2
140°	489.4	489.7	490.0	490.3	490.5	490.6	490.7	490.8	490.9	491.0	490.9
142.5°	505.9	506.1	506.3	506.5	506.6	506.6	506.6	506.6	506.6	506.6	506.6
145°	521.5	521.6	521.7	521.8	521.8	521.9	522.1	522.3	522.5	522.7	522.5
147.5°	535.3	535.4	535.5	535.6	535.6	535.7	535.8	535.9	536.0	536.1	536.0
150°	548.5	548.5	548.5	548.5	548.5	548.6	548.7	548.8	548.9	549.0	548.9
152.5°	559.7	559.9	560.2	560.4	560.5	560.4	560.3	560.2	560.1	560.0	560.1
155°	569.6	570.0	570.5	570.9	571.1	570.9	570.6	570.3	570.0	569.7	570.0
157.5°	578.5	579.0	579.5	580.0	580.3	580.0	579.5	579.0	578.5	578.0	578.5
160°	586.8	587.4	588.1	588.7	589.0	588.7	588.1	587.4	586.8	586.2	586.8
162.5°	593.7	594.3	595.0	595.6	595.9	595.5	594.8	594.1	593.4	592.7	593.4
165°	599.9	600.7	601.6	602.4	602.8	602.3	601.4	600.5	599.6	598.7	599.6
167.5°	604.6	605.6	606.5	607.4	607.9	607.4	606.4	605.3	604.3	603.3	604.3
170°	609.1	609.9	610.8	611.6	612.0	611.5	610.5	609.4	608.4	607.4	608.4
172.5°	611.9	612.7	613.6	614.4	614.8	614.2	613.1	612.0	610.8	609.7	610.8
175°	613.8	614.8	615.7	616.6	617.1	616.5	615.2	614.0	612.7	611.5	612.7
177.5°	615.1	615.9	616.8	617.6	618.0	617.4	616.2	614.9	613.7	612.5	613.7
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3
2.5°	1398.3	1395.1	1390.8	1390.8	1385.4	1385.4	1376.8	1361.8	1348.9	1344.6	1346.8
5°	1517.5	1518.6	1512.2	1506.8	1497.1	1489.6	1475.6	1448.8	1440.2	1423.0	1411.2
7.5°	1653.9	1649.6	1637.8	1629.2	1627.1	1609.9	1579.8	1547.6	1521.8	1504.6	1479.9
10°	1807.5	1790.3	1773.1	1767.8	1754.9	1725.9	1691.5	1656.1	1620.6	1583.0	1541.1
12.5°	1936.4	1903.1	1902.0	1889.1	1864.4	1848.3	1807.5	1757.0	1695.8	1653.9	1606.7
15°	2074.9	2043.8	2018.0	1994.4	1982.6	1935.3	1900.9	1837.6	1764.5	1719.4	1687.2
17.5°	2173.7	2159.8	2115.7	2105.0	2088.9	2034.1	1979.3	1917.0	1853.7	1790.3	1703.3
20°	2253.2	2244.6	2215.6	2200.6	2174.8	2131.8	2065.2	1993.3	1920.3	1830.0	1748.4
22.5°	2287.6	2276.8	2253.2	2240.3	2224.2	2187.7	2130.8	2049.1	1953.6	1873.0	1786.0
25°	2219.9	2239.2	2232.8	2227.4	2221.0	2199.5	2156.5	2084.6	1991.1	1899.9	1791.4
27.5°	2067.4	2100.7	2132.9	2137.2	2147.9	2156.5	2139.4	2087.8	2009.4	1912.7	1793.5
30°	1862.3	1877.3	1942.8	1962.1	1977.2	2032.0	2064.2	2051.3	1991.1	1904.2	1794.6
32.5°	1599.1	1638.9	1705.5	1751.6	1792.5	1853.7	1937.4	1970.7	1949.3	1878.4	1769.9
35°	1350.0	1397.2	1474.6	1533.6	1574.4	1661.4	1760.2	1832.2	1859.0	1823.6	1726.9
37.5°	1145.9	1202.8	1271.6	1294.1	1341.4	1448.8	1585.2	1685.1	1750.6	1753.8	1678.6
40°	992.3	1021.3	1076.1	1110.5	1156.7	1246.9	1380.1	1512.2	1611.0	1644.2	1604.5
42.5°	862.4	885.0	925.8	967.6	1009.5	1078.3	1200.7	1324.2	1457.4	1524.0	1522.9
45°	759.3	782.9	810.8	845.2	874.2	948.3	1045.0	1171.7	1286.6	1389.7	1415.5
47.5°	669.1	689.5	723.9	738.9	758.2	828.0	911.8	1029.9	1149.1	1267.3	1297.4
50°	602.5	619.7	643.3	653.0	674.5	726.0	794.7	890.3	1022.4	1130.9	1186.7
52.5°	542.4	555.2	573.5	581.0	596.1	634.7	697.0	772.2	881.7	993.4	1071.8
55°	490.8	499.4	512.3	520.9	531.6	566.0	612.2	679.8	774.3	871.0	947.2
57.5°	442.5	448.9	461.8	466.1	474.7	501.5	533.8	590.7	677.7	763.6	837.7
60°	397.4	401.7	409.2	418.8	425.3	443.6	473.6	520.9	590.7	669.1	729.2
62.5°	354.4	360.9	363.0	367.3	372.7	389.9	413.5	447.8	509.1	573.5	636.9
65°	310.4	315.7	320.0	321.1	326.5	339.4	360.9	390.9	430.7	486.5	545.6
67.5°	269.6	272.8	274.9	279.2	284.6	291.0	308.2	330.8	367.3	412.4	459.7
70°	232.0	232.0	235.2	236.3	242.7	250.2	257.8	279.2	311.5	348.0	380.2
72.5°	191.2	196.5	195.5	200.8	199.8	205.1	214.8	228.8	252.4	281.4	312.5
75°	155.7	158.9	158.9	158.9	161.1	165.4	170.8	183.6	201.9	225.5	243.8
77.5°	121.4	123.5	123.5	123.5	124.6	128.9	134.2	142.8	155.7	169.7	180.4
80°	87.0	89.1	89.1	91.3	91.3	92.4	97.7	102.0	108.5	119.2	130.0
82.5°	59.1	60.1	62.3	62.3	61.2	63.4	64.4	68.7	75.2	77.3	84.8
85°	32.2	33.3	34.4	34.4	35.4	37.6	36.5	40.8	40.8	45.1	47.3
87.5°	12.9	15.0	15.0	14.0	15.0	15.0	15.0	17.2	18.3	19.3	18.3
90°	13.4	13.2	13.0	12.9	12.6	12.0	11.3	10.7	10.1	9.3	8.5
92.5°	12.4	12.4	12.4	12.4	12.1	11.5	10.9	10.3	9.7	8.9	8.1
95°	13.1	13.0	12.9	12.9	12.6	12.0	11.3	10.7	10.1	10.0	9.9
97.5°	12.7	12.6	12.5	12.4	12.1	11.6	11.1	10.6	10.1	20.8	31.6
100°	12.7	12.6	12.5	12.4	13.3	15.0	16.7	18.5	20.2	34.3	48.4
102.5°	13.3	13.3	13.3	13.3	24.8	47.8	70.9	93.9	116.9	115.7	114.5
105°	138.5	142.2	145.9	147.7	147.2	146.3	145.4	144.5	143.6	143.1	142.6
107.5°	176.4	175.9	175.5	175.3	175.0	174.5	174.0	173.5	173.0	172.3	171.6
110°	204.6	204.3	204.0	203.8	203.7	203.5	203.3	203.1	202.9	202.3	201.7

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	232.5	232.1	231.7	231.5	231.5	231.6	231.7	231.8	231.9	231.7	231.5
115°	260.4	260.4	260.4	260.4	260.3	260.1	259.9	259.7	259.5	259.6	259.7
117.5°	288.5	288.5	288.5	288.5	288.6	288.7	288.8	288.9	289.0	288.7	288.4
120°	315.1	315.4	315.6	315.7	315.6	315.4	315.1	314.9	314.7	314.8	314.9
122.5°	340.9	341.1	341.3	341.4	341.4	341.3	341.2	341.1	341.0	340.8	340.6
125°	366.1	366.0	365.9	365.8	365.6	365.3	365.0	364.7	364.4	364.6	364.8
127.5°	389.0	389.1	389.2	389.3	389.4	389.5	389.6	389.7	389.8	389.3	388.8
130°	411.8	411.8	411.8	411.8	411.8	411.7	411.6	411.5	411.4	411.1	410.8
132.5°	433.2	433.3	433.4	433.5	433.4	433.3	433.2	433.1	433.0	432.6	432.2
135°	453.8	453.6	453.4	453.3	453.2	453.0	452.7	452.5	452.3	451.9	451.5
137.5°	472.3	472.4	472.5	472.6	472.5	472.3	472.1	471.9	471.7	471.2	470.7
140°	490.8	490.7	490.6	490.5	490.3	490.0	489.7	489.4	489.1	488.9	488.7
142.5°	506.6	506.6	506.6	506.6	506.5	506.3	506.1	505.9	505.7	505.6	505.5
145°	522.3	522.1	521.9	521.8	521.8	521.7	521.6	521.5	521.4	521.4	521.4
147.5°	535.9	535.8	535.7	535.6	535.6	535.5	535.4	535.3	535.2	535.3	535.4
150°	548.8	548.7	548.6	548.5	548.5	548.5	548.5	548.5	548.5	548.6	548.7
152.5°	560.2	560.3	560.4	560.5	560.4	560.2	559.9	559.7	559.5	559.7	559.9
155°	570.3	570.6	570.9	571.1	570.9	570.5	570.0	569.6	569.2	569.5	569.8
157.5°	579.0	579.5	580.0	580.3	580.0	579.5	579.0	578.5	578.0	578.4	578.8
160°	587.4	588.1	588.7	589.0	588.7	588.1	587.4	586.8	586.2	586.3	586.4
162.5°	594.1	594.8	595.5	595.9	595.6	595.0	594.3	593.7	593.1	593.2	593.3
165°	600.5	601.4	602.3	602.8	602.4	601.6	600.7	599.9	599.1	599.1	599.1
167.5°	605.3	606.4	607.4	607.9	607.4	606.5	605.6	604.6	603.7	603.8	603.9
170°	609.4	610.5	611.5	612.0	611.6	610.8	609.9	609.1	608.3	608.2	608.1
172.5°	612.0	613.1	614.2	614.8	614.4	613.6	612.7	611.9	611.1	611.0	610.9
175°	614.0	615.2	616.5	617.1	616.6	615.7	614.8	613.8	612.9	612.8	612.7
177.5°	614.9	616.2	617.4	618.0	617.6	616.8	615.9	615.1	614.3	614.1	613.9
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3
2.5°	1337.1	1332.8	1329.6	1329.6	1319.9	1310.2	1304.9	1302.7	1300.6	1292.0	1280.2
5°	1391.9	1377.9	1368.2	1358.6	1342.5	1325.3	1308.1	1298.4	1284.5	1265.1	1251.2
7.5°	1453.1	1419.8	1409.1	1397.2	1365.0	1336.0	1312.4	1292.0	1269.4	1244.7	1220.0
10°	1504.6	1469.2	1445.6	1425.2	1383.3	1344.6	1309.2	1279.1	1250.1	1217.9	1187.8
12.5°	1554.0	1503.6	1478.9	1448.8	1404.8	1348.9	1302.7	1265.1	1222.2	1188.9	1152.4
15°	1622.8	1537.9	1497.1	1477.8	1418.7	1353.2	1297.4	1241.5	1206.1	1155.6	1123.4
17.5°	1633.5	1564.8	1537.9	1488.5	1417.6	1343.5	1279.1	1223.3	1169.6	1124.4	1082.6
20°	1671.1	1580.9	1537.9	1506.8	1413.3	1338.2	1267.3	1195.3	1143.8	1095.5	1048.2
22.5°	1694.7	1592.7	1547.6	1498.2	1409.1	1318.8	1235.1	1172.8	1109.4	1060.0	1022.4
25°	1688.3	1586.3	1535.8	1489.6	1381.1	1290.9	1215.7	1136.3	1077.2	1023.5	974.1
27.5°	1685.1	1570.1	1516.4	1464.9	1362.9	1268.4	1173.9	1109.4	1043.9	981.6	945.1
30°	1676.5	1549.7	1487.5	1431.6	1325.3	1226.5	1145.9	1070.7	1005.2	948.3	900.0
32.5°	1647.5	1515.4	1455.2	1395.1	1284.5	1185.7	1104.0	1034.2	968.7	909.7	863.5
35°	1608.8	1474.6	1409.1	1345.7	1235.1	1135.2	1060.0	987.0	925.8	868.8	824.8
37.5°	1570.1	1427.3	1366.1	1293.1	1191.0	1086.9	1009.5	944.0	887.1	828.0	779.7
40°	1514.3	1371.5	1303.8	1241.5	1122.3	1024.6	953.7	894.6	838.8	782.9	742.1
42.5°	1438.0	1310.2	1240.4	1171.7	1060.0	963.4	894.6	842.0	789.4	743.2	698.1
45°	1360.7	1236.1	1173.9	1112.6	991.3	900.0	836.6	788.3	744.3	693.8	657.3
47.5°	1267.3	1162.0	1099.7	1039.6	924.7	833.4	775.4	730.3	689.5	647.6	613.2
50°	1171.7	1080.4	1023.5	961.2	851.7	769.0	712.0	674.5	641.2	601.4	573.5
52.5°	1068.6	989.1	940.8	880.7	784.0	707.7	649.8	612.2	584.2	555.2	530.5
55°	959.1	901.1	849.5	801.2	709.9	641.2	589.6	556.3	537.0	510.1	488.7
57.5°	860.3	804.4	773.3	718.5	639.0	571.4	530.5	502.6	480.1	464.0	446.8
60°	757.1	712.0	677.7	637.9	568.1	511.2	468.3	452.1	428.5	416.7	409.2
62.5°	658.3	626.1	593.9	563.8	501.5	447.8	415.6	395.2	381.3	369.4	363.0
65°	564.9	534.8	512.3	485.4	433.9	390.9	360.9	344.7	330.8	327.6	320.0
67.5°	473.6	460.7	436.0	414.6	370.5	337.2	314.7	294.3	286.8	283.5	277.1
70°	396.3	381.3	361.9	343.7	310.4	281.4	261.0	253.5	242.7	241.6	234.1
72.5°	326.5	308.2	294.3	280.3	255.6	229.8	219.1	208.4	203.0	198.7	195.5
75°	258.8	245.9	236.3	224.5	203.0	185.8	170.8	166.5	163.2	162.2	160.0
77.5°	193.3	184.7	180.4	168.6	153.6	138.5	132.1	125.7	125.7	123.5	124.6
80°	137.5	132.1	126.7	120.3	107.4	101.0	95.6	91.3	89.1	88.1	89.1
82.5°	87.0	83.8	82.7	78.4	69.8	66.6	62.3	59.1	59.1	59.1	59.1
85°	48.3	48.3	48.3	41.9	38.7	35.4	33.3	32.2	32.2	32.2	33.3
87.5°	20.4	20.4	17.2	17.2	16.1	14.0	12.9	12.9	14.0	14.0	15.0
90°	7.6	6.8	6.4	5.8	4.7	3.6	2.5	1.4	2.5	3.6	4.7
92.5°	7.2	6.4	6.0	6.1	6.3	6.5	6.7	6.9	6.7	6.5	6.3
95°	9.8	9.7	9.7	11.4	14.9	18.4	21.8	25.3	21.8	18.4	14.9
97.5°	42.3	53.0	58.4	57.3	55.0	52.8	50.5	48.3	50.5	52.8	55.0
100°	62.5	76.6	83.7	82.8	81.0	79.1	77.3	75.5	77.3	79.1	81.0
102.5°	113.2	112.0	111.4	110.8	109.5	108.3	107.0	105.8	107.0	108.3	109.5
105°	142.1	141.6	141.3	141.0	140.4	139.7	139.1	138.5	139.1	139.7	140.4
107.5°	170.9	170.2	169.8	169.6	169.3	169.0	168.7	168.4	168.7	169.0	169.3
110°	201.1	200.5	200.2	200.0	199.7	199.4	199.1	198.8	199.1	199.4	199.7

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	231.3	231.1	231.0	230.7	230.1	229.4	228.8	228.2	228.8	229.4	230.1
115°	259.8	259.9	260.0	259.8	259.5	259.2	258.9	258.6	258.9	259.2	259.5
117.5°	288.1	287.8	287.6	287.4	287.0	286.6	286.2	285.8	286.2	286.6	287.0
120°	315.0	315.1	315.2	315.0	314.6	314.2	313.8	313.4	313.8	314.2	314.6
122.5°	340.4	340.2	340.1	340.0	339.8	339.5	339.3	339.1	339.3	339.5	339.8
125°	365.1	365.3	365.4	365.2	364.8	364.3	363.9	363.5	363.9	364.3	364.8
127.5°	388.3	387.8	387.5	387.4	387.3	387.2	387.1	387.0	387.1	387.2	387.3
130°	410.5	410.2	410.0	409.9	409.8	409.7	409.6	409.5	409.6	409.7	409.8
132.5°	431.8	431.4	431.2	431.1	430.9	430.6	430.4	430.2	430.4	430.6	430.9
135°	451.1	450.7	450.5	450.6	450.7	450.8	450.9	451.0	450.9	450.8	450.7
137.5°	470.2	469.7	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4
140°	488.5	488.3	488.2	488.1	487.9	487.7	487.5	487.3	487.5	487.7	487.9
142.5°	505.4	505.3	505.3	505.1	504.7	504.2	503.8	503.4	503.8	504.2	504.7
145°	521.4	521.4	521.4	521.2	520.9	520.6	520.3	520.0	520.3	520.6	520.9
147.5°	535.5	535.6	535.6	535.3	534.7	534.1	533.5	532.9	533.5	534.1	534.7
150°	548.8	548.9	549.0	548.8	548.4	547.9	547.5	547.1	547.5	547.9	548.4
152.5°	560.2	560.4	560.5	560.3	560.0	559.7	559.4	559.1	559.4	559.7	560.0
155°	570.1	570.4	570.6	570.5	570.4	570.3	570.2	570.1	570.2	570.3	570.4
157.5°	579.2	579.6	579.8	579.8	579.8	579.8	579.8	579.8	579.8	579.8	579.8
160°	586.5	586.6	586.7	586.9	587.2	587.5	587.8	588.1	587.8	587.5	587.2
162.5°	593.4	593.5	593.6	593.8	594.2	594.6	595.0	595.4	595.0	594.6	594.2
165°	599.1	599.1	599.1	599.4	599.9	600.4	600.9	601.4	600.9	600.4	599.9
167.5°	604.0	604.1	604.2	604.5	605.0	605.5	606.0	606.5	606.0	605.5	605.0
170°	608.0	607.9	607.9	608.2	608.8	609.4	610.0	610.6	610.0	609.4	608.8
172.5°	610.8	610.7	610.6	610.9	611.5	612.2	612.8	613.4	612.8	612.2	611.5
175°	612.6	612.5	612.5	612.8	613.4	614.0	614.6	615.2	614.6	614.0	613.4
177.5°	613.7	613.5	613.4	613.8	614.5	615.2	615.9	616.6	615.9	615.2	614.5
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3
2.5°	1277.0	1272.7	1274.8	1264.1	1254.4	1240.4	1228.6	1226.5	1224.3	1230.8	1226.5
5°	1240.4	1235.1	1229.7	1216.8	1197.5	1185.7	1168.5	1167.4	1161.0	1151.3	1153.4
7.5°	1200.7	1197.5	1190.0	1169.6	1152.4	1132.0	1118.0	1106.2	1100.8	1092.2	1089.0
10°	1168.5	1156.7	1150.2	1127.7	1107.3	1085.8	1067.5	1058.9	1049.3	1041.8	1036.4
12.5°	1124.4	1121.2	1103.0	1084.7	1067.5	1042.8	1028.9	1004.2	991.3	997.7	995.6
15°	1095.5	1080.4	1076.1	1050.3	1021.3	1005.2	979.5	963.4	958.0	948.3	936.5
17.5°	1056.8	1047.1	1032.1	1008.5	975.2	952.6	934.4	919.3	912.9	900.0	890.3
20°	1020.3	1004.2	992.3	970.9	938.7	909.7	887.1	877.4	861.3	850.6	845.2
22.5°	987.0	975.2	958.0	925.8	897.8	869.9	843.1	829.1	814.1	807.6	799.0
25°	946.2	926.8	915.0	879.6	849.5	827.0	802.3	784.0	775.4	764.7	762.5
27.5°	906.4	888.2	874.2	843.1	806.6	777.6	762.5	749.6	734.6	734.6	729.2
30°	866.7	853.8	832.3	802.3	767.9	740.0	722.8	711.0	705.6	701.3	700.2
32.5°	827.0	809.8	796.9	756.1	730.3	704.5	691.6	682.0	675.5	674.5	675.5
35°	786.1	766.8	753.9	717.4	691.6	668.0	662.6	654.0	650.8	649.8	655.1
37.5°	743.2	728.2	712.0	682.0	653.0	639.0	628.3	625.1	624.0	630.4	632.6
40°	703.5	690.6	675.5	643.3	621.8	606.8	601.4	598.2	602.5	608.9	612.2
42.5°	665.9	647.6	635.8	606.8	587.5	578.9	572.4	572.4	576.7	584.2	589.6
45°	626.1	612.2	600.3	574.6	557.4	547.7	546.7	547.7	553.1	558.5	564.9
47.5°	587.5	573.5	560.6	539.1	524.1	518.7	517.7	518.7	527.3	534.8	542.4
50°	552.0	537.0	525.2	504.8	493.0	486.5	487.6	493.0	499.4	510.1	519.8
52.5°	510.1	499.4	488.7	470.4	459.7	455.4	458.6	462.9	474.7	482.2	494.0
55°	469.3	459.7	451.1	437.1	428.5	425.3	427.4	433.9	443.6	456.4	470.4
57.5°	431.7	421.0	412.4	402.7	393.1	394.1	395.2	403.8	415.6	427.4	443.6
60°	389.9	383.4	375.9	364.1	359.8	359.8	363.0	372.7	383.4	402.7	416.7
62.5°	352.3	343.7	338.3	330.8	324.3	325.4	332.9	341.5	354.4	370.5	388.8
65°	313.6	303.9	299.6	293.2	291.0	292.1	297.5	310.4	324.3	338.3	355.5
67.5°	270.6	267.4	263.1	256.7	258.8	259.9	265.3	276.0	291.0	305.0	324.3
70°	234.1	227.7	226.6	221.2	221.2	224.5	235.2	242.7	256.7	271.7	292.1
72.5°	195.5	190.1	190.1	185.8	189.0	192.2	197.6	208.4	221.2	236.3	253.5
75°	155.7	153.6	155.7	153.6	153.6	158.9	165.4	174.0	187.9	204.1	218.0
77.5°	120.3	120.3	119.2	122.4	122.4	125.7	134.2	142.8	153.6	166.5	181.5
80°	88.1	88.1	88.1	91.3	94.5	94.5	99.9	110.6	120.3	128.9	142.8
82.5°	60.1	60.1	60.1	62.3	66.6	66.6	73.0	79.5	90.2	97.7	104.2
85°	36.5	36.5	35.4	37.6	38.7	41.9	47.3	51.6	56.9	63.4	69.8
87.5°	16.1	16.1	17.2	18.3	19.3	21.5	23.6	25.8	31.1	33.3	36.5
90°	5.8	6.4	6.8	7.6	8.5	9.3	10.1	10.7	11.3	12.0	12.6
92.5°	6.1	6.0	6.4	7.2	8.1	8.9	9.7	10.3	10.9	11.5	12.1
95°	11.4	9.7	9.7	9.8	9.9	10.0	10.1	10.7	11.3	12.0	12.6
97.5°	57.3	58.4	53.0	42.3	31.6	20.8	10.1	10.6	11.1	11.6	12.1
100°	82.8	83.7	76.6	62.5	48.4	34.3	20.2	18.5	16.7	15.0	13.3
102.5°	110.8	111.4	112.0	113.2	114.5	115.7	116.9	93.9	70.9	47.8	24.8
105°	141.0	141.3	141.6	142.1	142.6	143.1	143.6	144.5	145.4	146.3	147.2
107.5°	169.6	169.8	170.2	170.9	171.6	172.3	173.0	173.5	174.0	174.5	175.0
110°	200.0	200.2	200.5	201.1	201.7	202.3	202.9	203.1	203.3	203.5	203.7

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	230.7	231.0	231.1	231.3	231.5	231.7	231.9	231.8	231.7	231.6	231.5
115°	259.8	260.0	259.9	259.8	259.7	259.6	259.5	259.7	259.9	260.1	260.3
117.5°	287.4	287.6	287.8	288.1	288.4	288.7	289.0	288.9	288.8	288.7	288.6
120°	315.0	315.2	315.1	315.0	314.9	314.8	314.7	314.9	315.1	315.4	315.6
122.5°	340.0	340.1	340.2	340.4	340.6	340.8	341.0	341.1	341.2	341.3	341.4
125°	365.2	365.4	365.3	365.1	364.8	364.6	364.4	364.7	365.0	365.3	365.6
127.5°	387.4	387.5	387.8	388.3	388.8	389.3	389.8	389.7	389.6	389.5	389.4
130°	409.9	410.0	410.2	410.5	410.8	411.1	411.4	411.5	411.6	411.7	411.8
132.5°	431.1	431.2	431.4	431.8	432.2	432.6	433.0	433.1	433.2	433.3	433.4
135°	450.6	450.5	450.7	451.1	451.5	451.9	452.3	452.5	452.7	453.0	453.2
137.5°	469.4	469.4	469.7	470.2	470.7	471.2	471.7	471.9	472.1	472.3	472.5
140°	488.1	488.2	488.3	488.5	488.7	488.9	489.1	489.4	489.7	490.0	490.3
142.5°	505.1	505.3	505.3	505.4	505.5	505.6	505.7	505.9	506.1	506.3	506.5
145°	521.2	521.4	521.4	521.4	521.4	521.4	521.4	521.5	521.6	521.7	521.8
147.5°	535.3	535.6	535.6	535.5	535.4	535.3	535.2	535.3	535.4	535.5	535.6
150°	548.8	549.0	548.9	548.8	548.7	548.6	548.5	548.5	548.5	548.5	548.5
152.5°	560.3	560.5	560.4	560.2	559.9	559.7	559.5	559.7	559.9	560.2	560.4
155°	570.5	570.6	570.4	570.1	569.8	569.5	569.2	569.6	570.0	570.5	570.9
157.5°	579.8	579.8	579.6	579.2	578.8	578.4	578.0	578.5	579.0	579.5	580.0
160°	586.9	586.7	586.6	586.5	586.4	586.3	586.2	586.8	587.4	588.1	588.7
162.5°	593.8	593.6	593.5	593.4	593.3	593.2	593.1	593.7	594.3	595.0	595.6
165°	599.4	599.1	599.1	599.1	599.1	599.1	599.1	599.9	600.7	601.6	602.4
167.5°	604.5	604.2	604.1	604.0	603.9	603.8	603.7	604.6	605.6	606.5	607.4
170°	608.2	607.9	607.9	608.0	608.1	608.2	608.3	609.1	609.9	610.8	611.6
172.5°	610.9	610.6	610.7	610.8	610.9	611.0	611.1	611.9	612.7	613.6	614.4
175°	612.8	612.5	612.5	612.6	612.7	612.8	612.9	613.8	614.8	615.7	616.6
177.5°	613.8	613.4	613.5	613.7	613.9	614.1	614.3	615.1	615.9	616.8	617.6
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3
2.5°	1223.3	1222.2	1216.8	1219.0	1212.5	1214.7	1217.9	1219.0	1223.3	1220.0	1219.0
5°	1148.1	1145.9	1142.7	1139.5	1138.4	1142.7	1135.2	1137.3	1139.5	1142.7	1147.0
7.5°	1086.9	1085.8	1082.6	1077.2	1075.0	1072.9	1074.0	1081.5	1080.4	1079.3	1086.9
10°	1031.0	1032.1	1025.6	1024.6	1018.1	1017.1	1018.1	1020.3	1023.5	1027.8	1028.9
12.5°	973.0	987.0	975.2	970.9	961.2	966.6	968.7	959.1	964.4	967.6	983.8
15°	936.5	930.1	922.5	922.5	918.2	916.1	910.7	918.2	922.5	929.0	926.8
17.5°	886.0	875.3	871.0	866.7	867.8	872.1	860.3	877.4	877.4	880.7	875.3
20°	842.0	833.4	828.0	825.9	822.7	820.5	819.4	823.7	830.2	832.3	837.7
22.5°	795.8	795.8	787.2	784.0	781.9	778.6	784.0	780.8	785.1	789.4	798.0
25°	757.1	757.1	753.9	749.6	746.4	744.3	747.5	746.4	749.6	755.0	757.1
27.5°	726.0	722.8	721.7	720.6	719.6	720.6	719.6	722.8	726.0	727.1	724.9
30°	699.2	695.9	697.0	697.0	698.1	697.0	695.9	699.2	700.2	698.1	699.2
32.5°	674.5	674.5	676.6	677.7	677.7	678.7	679.8	677.7	678.7	675.5	676.6
35°	654.0	656.2	658.3	659.4	660.5	659.4	661.6	660.5	658.3	656.2	655.1
37.5°	633.6	635.8	640.1	641.2	644.4	645.5	643.3	643.3	642.2	637.9	635.8
40°	612.2	614.3	619.7	622.9	625.1	628.3	626.1	626.1	621.8	617.5	614.3
42.5°	591.8	596.1	601.4	604.6	608.9	608.9	608.9	606.8	601.4	597.1	593.9
45°	571.4	572.4	579.9	585.3	589.6	589.6	589.6	586.4	583.2	574.6	570.3
47.5°	548.8	552.0	560.6	566.0	570.3	571.4	571.4	568.1	561.7	554.2	548.8
50°	524.1	529.5	539.1	546.7	552.0	554.2	550.9	548.8	541.3	532.7	526.2
52.5°	500.5	506.9	518.7	525.2	532.7	533.8	532.7	529.5	520.9	509.1	503.7
55°	476.8	482.2	495.1	505.8	512.3	514.4	512.3	506.9	496.2	484.4	479.0
57.5°	451.1	458.6	472.5	483.3	490.8	491.9	489.7	484.4	475.8	460.7	453.2
60°	424.2	433.9	447.8	458.6	468.3	469.3	467.2	459.7	448.9	433.9	427.4
62.5°	397.4	404.9	421.0	432.8	440.3	445.7	441.4	433.9	423.1	408.1	398.4
65°	366.2	377.0	390.9	401.7	410.3	411.3	409.2	402.7	390.9	374.8	367.3
67.5°	336.2	343.7	357.6	371.6	374.8	378.0	374.8	368.4	358.7	344.7	334.0
70°	299.6	306.1	323.3	332.9	337.2	340.4	338.3	331.9	323.3	310.4	301.8
72.5°	263.1	268.5	284.6	292.1	300.7	299.6	298.6	294.3	282.5	273.9	268.5
75°	224.5	230.9	241.6	251.3	254.5	254.5	254.5	251.3	243.8	229.8	224.5
77.5°	189.0	192.2	200.8	206.2	209.4	210.5	209.4	204.1	199.8	190.1	186.9
80°	145.0	153.6	160.0	161.1	165.4	165.4	165.4	163.2	158.9	149.3	148.2
82.5°	109.5	111.7	118.1	121.4	123.5	122.4	122.4	118.1	117.1	111.7	109.5
85°	74.1	77.3	76.3	80.5	81.6	79.5	79.5	81.6	76.3	77.3	74.1
87.5°	40.8	40.8	43.0	41.9	46.2	46.2	44.0	45.1	43.0	41.9	40.8
90°	12.9	13.0	13.2	13.4	13.6	13.8	13.6	13.4	13.2	13.0	12.9
92.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
95°	12.9	12.9	13.0	13.1	13.2	13.3	13.2	13.1	13.0	12.9	12.9
97.5°	12.4	12.5	12.6	12.7	12.8	12.9	12.8	12.7	12.6	12.5	12.4
100°	12.4	12.5	12.6	12.7	12.8	12.9	12.8	12.7	12.6	12.5	12.4
102.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
105°	147.7	145.9	142.2	138.5	134.8	131.1	134.8	138.5	142.2	145.9	147.7
107.5°	175.3	175.5	175.9	176.4	176.8	177.2	176.8	176.4	175.9	175.5	175.3
110°	203.8	204.0	204.3	204.6	204.9	205.2	204.9	204.6	204.3	204.0	203.8

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	231.5	231.7	232.1	232.5	232.9	233.3	232.9	232.5	232.1	231.7	231.5
115°	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4
117.5°	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5
120°	315.7	315.6	315.4	315.1	314.9	314.7	314.9	315.1	315.4	315.6	315.7
122.5°	341.4	341.3	341.1	340.9	340.7	340.5	340.7	340.9	341.1	341.3	341.4
125°	365.8	365.9	366.0	366.1	366.2	366.3	366.2	366.1	366.0	365.9	365.8
127.5°	389.3	389.2	389.1	389.0	388.9	388.8	388.9	389.0	389.1	389.2	389.3
130°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8
132.5°	433.5	433.4	433.3	433.2	433.1	433.0	433.1	433.2	433.3	433.4	433.5
135°	453.3	453.4	453.6	453.8	454.0	454.2	454.0	453.8	453.6	453.4	453.3
137.5°	472.6	472.5	472.4	472.3	472.2	472.1	472.2	472.3	472.4	472.5	472.6
140°	490.5	490.6	490.7	490.8	490.9	491.0	490.9	490.8	490.7	490.6	490.5
142.5°	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6
145°	521.8	521.9	522.1	522.3	522.5	522.7	522.5	522.3	522.1	521.9	521.8
147.5°	535.6	535.7	535.8	535.9	536.0	536.1	536.0	535.9	535.8	535.7	535.6
150°	548.5	548.6	548.7	548.8	548.9	549.0	548.9	548.8	548.7	548.6	548.5
152.5°	560.5	560.4	560.3	560.2	560.1	560.0	560.1	560.2	560.3	560.4	560.5
155°	571.1	570.9	570.6	570.3	570.0	569.7	570.0	570.3	570.6	570.9	571.1
157.5°	580.3	580.0	579.5	579.0	578.5	578.0	578.5	579.0	579.5	580.0	580.3
160°	589.0	588.7	588.1	587.4	586.8	586.2	586.8	587.4	588.1	588.7	589.0
162.5°	595.9	595.5	594.8	594.1	593.4	592.7	593.4	594.1	594.8	595.5	595.9
165°	602.8	602.3	601.4	600.5	599.6	598.7	599.6	600.5	601.4	602.3	602.8
167.5°	607.9	607.4	606.4	605.3	604.3	603.3	604.3	605.3	606.4	607.4	607.9
170°	612.0	611.5	610.5	609.4	608.4	607.4	608.4	609.4	610.5	611.5	612.0
172.5°	614.8	614.2	613.1	612.0	610.8	609.7	610.8	612.0	613.1	614.2	614.8
175°	617.1	616.5	615.2	614.0	612.7	611.5	612.7	614.0	615.2	616.5	617.1
177.5°	618.0	617.4	616.2	614.9	613.7	612.5	613.7	614.9	616.2	617.4	618.0
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3
2.5°	1219.0	1225.4	1219.0	1223.3	1225.4	1230.8	1232.9	1242.6	1245.8	1253.3	1253.3
5°	1145.9	1149.1	1150.2	1154.5	1158.8	1169.6	1177.1	1191.0	1207.1	1209.3	1219.0
7.5°	1086.9	1092.2	1100.8	1097.6	1105.1	1121.2	1130.9	1148.1	1164.2	1172.8	1184.6
10°	1034.2	1040.7	1043.9	1047.1	1061.1	1075.0	1090.1	1101.9	1123.4	1136.3	1145.9
12.5°	991.3	985.9	992.3	1004.2	1020.3	1028.9	1049.3	1067.5	1083.6	1097.6	1106.2
15°	935.4	939.7	946.2	966.6	970.9	992.3	999.9	1020.3	1050.3	1063.2	1074.0
17.5°	881.7	895.7	908.6	916.1	929.0	946.2	967.6	990.2	1009.5	1024.6	1037.5
20°	838.8	852.7	860.3	865.6	878.5	902.1	922.5	950.5	975.2	987.0	1004.2
22.5°	804.4	804.4	815.1	831.3	838.8	861.3	878.5	908.6	935.4	950.5	966.6
25°	761.4	767.9	776.5	790.4	801.2	819.4	844.1	869.9	898.9	911.8	932.2
27.5°	726.0	733.5	745.3	748.6	759.3	775.4	801.2	829.1	859.2	873.1	890.3
30°	699.2	703.5	707.7	714.2	723.9	737.8	759.3	784.0	820.5	831.3	852.7
32.5°	675.5	677.7	679.8	685.2	690.6	704.5	721.7	748.6	778.6	794.7	814.1
35°	654.0	651.9	653.0	656.2	661.6	666.9	685.2	707.7	735.7	755.0	770.0
37.5°	633.6	629.3	628.3	628.3	630.4	636.9	650.8	670.2	700.2	716.3	731.4
40°	611.1	606.8	604.6	603.6	602.5	606.8	617.5	636.9	660.5	675.5	692.7
42.5°	589.6	585.3	579.9	578.9	576.7	578.9	586.4	604.6	625.1	640.1	654.0
45°	568.1	560.6	554.2	549.9	550.9	547.7	553.1	567.1	590.7	600.3	614.3
47.5°	544.5	535.9	527.3	523.0	518.7	520.9	523.0	534.8	555.2	564.9	578.9
50°	521.9	510.1	500.5	495.1	491.9	489.7	491.9	503.7	518.7	527.3	539.1
52.5°	496.2	484.4	474.7	466.1	461.8	458.6	459.7	470.4	484.4	493.0	504.8
55°	472.5	457.5	444.6	433.9	430.7	429.6	428.5	436.0	447.8	456.4	466.1
57.5°	445.7	430.7	416.7	403.8	397.4	396.3	396.3	398.4	413.5	419.9	425.3
60°	418.8	402.7	387.7	375.9	366.2	363.0	361.9	366.2	373.7	380.2	387.7
62.5°	388.8	372.7	354.4	343.7	334.0	325.4	328.6	329.7	340.4	343.7	350.1
65°	359.8	341.5	326.5	309.3	298.6	293.2	291.0	293.2	301.8	302.9	307.2
67.5°	326.5	309.3	291.0	279.2	269.6	259.9	257.8	257.8	262.0	265.3	270.6
70°	294.3	277.1	256.7	243.8	234.1	225.5	222.3	221.2	224.5	226.6	232.0
72.5°	256.7	239.5	224.5	210.5	198.7	192.2	189.0	186.9	190.1	192.2	193.3
75°	216.9	203.0	187.9	174.0	166.5	160.0	155.7	152.5	154.7	154.7	154.7
77.5°	179.4	165.4	153.6	143.9	134.2	126.7	123.5	120.3	121.4	121.4	123.5
80°	139.6	130.0	120.3	111.7	103.1	96.7	94.5	91.3	89.1	88.1	88.1
82.5°	103.1	95.6	87.0	79.5	75.2	68.7	66.6	62.3	62.3	61.2	61.2
85°	68.7	64.4	55.8	50.5	47.3	44.0	41.9	39.7	36.5	36.5	35.4
87.5°	36.5	34.4	32.2	25.8	25.8	22.6	21.5	20.4	17.2	18.3	18.3
90°	12.6	12.0	11.3	10.7	10.1	9.3	8.5	7.6	6.8	6.4	5.8
92.5°	12.1	11.5	10.9	10.3	9.7	8.9	8.1	7.2	6.4	6.0	6.1
95°	12.6	12.0	11.3	10.7	10.1	10.0	9.9	9.8	9.7	9.7	11.4
97.5°	12.1	11.6	11.1	10.6	10.1	20.8	31.6	42.3	53.0	58.4	57.3
100°	13.3	15.0	16.7	18.5	20.2	34.3	48.4	62.5	76.6	83.7	82.8
102.5°	24.8	47.8	70.9	93.9	116.9	115.7	114.5	113.2	112.0	111.4	110.8
105°	147.2	146.3	145.4	144.5	143.6	143.1	142.6	142.1	141.6	141.3	141.0
107.5°	175.0	174.5	174.0	173.5	173.0	172.3	171.6	170.9	170.2	169.8	169.6
110°	203.7	203.5	203.3	203.1	202.9	202.3	201.7	201.1	200.5	200.2	200.0

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	231.5	231.6	231.7	231.8	231.9	231.7	231.5	231.3	231.1	231.0	230.7
115°	260.3	260.1	259.9	259.7	259.5	259.6	259.7	259.8	259.9	260.0	259.8
117.5°	288.6	288.7	288.8	288.9	289.0	288.7	288.4	288.1	287.8	287.6	287.4
120°	315.6	315.4	315.1	314.9	314.7	314.8	314.9	315.0	315.1	315.2	315.0
122.5°	341.4	341.3	341.2	341.1	341.0	340.8	340.6	340.4	340.2	340.1	340.0
125°	365.6	365.3	365.0	364.7	364.4	364.6	364.8	365.1	365.3	365.4	365.2
127.5°	389.4	389.5	389.6	389.7	389.8	389.3	388.8	388.3	387.8	387.5	387.4
130°	411.8	411.7	411.6	411.5	411.4	411.1	410.8	410.5	410.2	410.0	409.9
132.5°	433.4	433.3	433.2	433.1	433.0	432.6	432.2	431.8	431.4	431.2	431.1
135°	453.2	453.0	452.7	452.5	452.3	451.9	451.5	451.1	450.7	450.5	450.6
137.5°	472.5	472.3	472.1	471.9	471.7	471.2	470.7	470.2	469.7	469.4	469.4
140°	490.3	490.0	489.7	489.4	489.1	488.9	488.7	488.5	488.3	488.2	488.1
142.5°	506.5	506.3	506.1	505.9	505.7	505.6	505.5	505.4	505.3	505.3	505.1
145°	521.8	521.7	521.6	521.5	521.4	521.4	521.4	521.4	521.4	521.4	521.2
147.5°	535.6	535.5	535.4	535.3	535.2	535.3	535.4	535.5	535.6	535.6	535.3
150°	548.5	548.5	548.5	548.5	548.5	548.6	548.7	548.8	548.9	549.0	548.8
152.5°	560.4	560.2	559.9	559.7	559.5	559.7	559.9	560.2	560.4	560.5	560.3
155°	570.9	570.5	570.0	569.6	569.2	569.5	569.8	570.1	570.4	570.6	570.5
157.5°	580.0	579.5	579.0	578.5	578.0	578.4	578.8	579.2	579.6	579.8	579.8
160°	588.7	588.1	587.4	586.8	586.2	586.3	586.4	586.5	586.6	586.7	586.9
162.5°	595.6	595.0	594.3	593.7	593.1	593.2	593.3	593.4	593.5	593.6	593.8
165°	602.4	601.6	600.7	599.9	599.1	599.1	599.1	599.1	599.1	599.1	599.4
167.5°	607.4	606.5	605.6	604.6	603.7	603.8	603.9	604.0	604.1	604.2	604.5
170°	611.6	610.8	609.9	609.1	608.3	608.2	608.1	608.0	607.9	607.9	608.2
172.5°	614.4	613.6	612.7	611.9	611.1	611.0	610.9	610.8	610.7	610.6	610.9
175°	616.6	615.7	614.8	613.8	612.9	612.8	612.7	612.6	612.5	612.5	612.8
177.5°	617.6	616.8	615.9	615.1	614.3	614.1	613.9	613.7	613.5	613.4	613.8
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1296.3	1296.3	1296.3	1296.3
2.5°	1260.8	1271.6	1281.2	1296.3
5°	1232.9	1248.0	1268.4	1290.9
7.5°	1200.7	1224.3	1251.2	1282.3
10°	1170.6	1197.5	1231.8	1269.4
12.5°	1139.5	1171.7	1209.3	1250.1
15°	1104.0	1136.3	1178.1	1232.9
17.5°	1071.8	1110.5	1155.6	1213.6
20°	1034.2	1070.7	1120.2	1186.7
22.5°	1000.9	1042.8	1097.6	1155.6
25°	964.4	1000.9	1055.7	1125.5
27.5°	927.9	973.0	1025.6	1093.3
30°	892.5	930.1	987.0	1057.9
32.5°	853.8	898.9	951.5	1018.1
35°	811.9	854.9	904.3	976.2
37.5°	774.3	816.2	866.7	930.1
40°	732.4	776.5	822.7	886.0
42.5°	691.6	731.4	777.6	835.5
45°	651.9	686.3	728.2	778.6
47.5°	611.1	640.1	678.7	723.9
50°	567.1	598.2	627.2	664.8
52.5°	526.2	553.1	576.7	607.9
55°	486.5	504.8	524.1	547.7
57.5°	444.6	458.6	472.5	497.2
60°	402.7	415.6	423.1	439.3
62.5°	361.9	367.3	377.0	386.6
65°	316.8	324.3	329.7	341.5
67.5°	276.0	279.2	284.6	292.1
70°	233.1	240.6	242.7	248.1
72.5°	196.5	199.8	201.9	203.0
75°	155.7	158.9	161.1	167.5
77.5°	122.4	121.4	125.7	126.7
80°	90.2	87.0	88.1	92.4
82.5°	59.1	60.1	59.1	59.1
85°	36.5	35.4	33.3	34.4
87.5°	16.1	16.1	15.0	15.0
90°	4.7	3.6	2.5	1.4
92.5°	6.3	6.5	6.7	6.9
95°	14.9	18.4	21.8	25.3
97.5°	55.0	52.8	50.5	48.3
100°	81.0	79.1	77.3	75.5
102.5°	109.5	108.3	107.0	105.8
105°	140.4	139.7	139.1	138.5
107.5°	169.3	169.0	168.7	168.4
110°	199.7	199.4	199.1	198.8

TEST NUMBER: P1032812

CATALOG NUMBER: S124DIW-B795D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	230.1	229.4	228.8	228.2
115°	259.5	259.2	258.9	258.6
117.5°	287.0	286.6	286.2	285.8
120°	314.6	314.2	313.8	313.4
122.5°	339.8	339.5	339.3	339.1
125°	364.8	364.3	363.9	363.5
127.5°	387.3	387.2	387.1	387.0
130°	409.8	409.7	409.6	409.5
132.5°	430.9	430.6	430.4	430.2
135°	450.7	450.8	450.9	451.0
137.5°	469.4	469.4	469.4	469.4
140°	487.9	487.7	487.5	487.3
142.5°	504.7	504.2	503.8	503.4
145°	520.9	520.6	520.3	520.0
147.5°	534.7	534.1	533.5	532.9
150°	548.4	547.9	547.5	547.1
152.5°	560.0	559.7	559.4	559.1
155°	570.4	570.3	570.2	570.1
157.5°	579.8	579.8	579.8	579.8
160°	587.2	587.5	587.8	588.1
162.5°	594.2	594.6	595.0	595.4
165°	599.9	600.4	600.9	601.4
167.5°	605.0	605.5	606.0	606.5
170°	608.8	609.4	610.0	610.6
172.5°	611.5	612.2	612.8	613.4
175°	613.4	614.0	614.6	615.2
177.5°	614.5	615.2	615.9	616.6
180°	615.2	615.2	615.2	615.2

(END OF REPORT)