

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: P333039-930

Luminaire Tested: **S124RDIW-S575D770U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333039-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S575D770U930-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 770 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

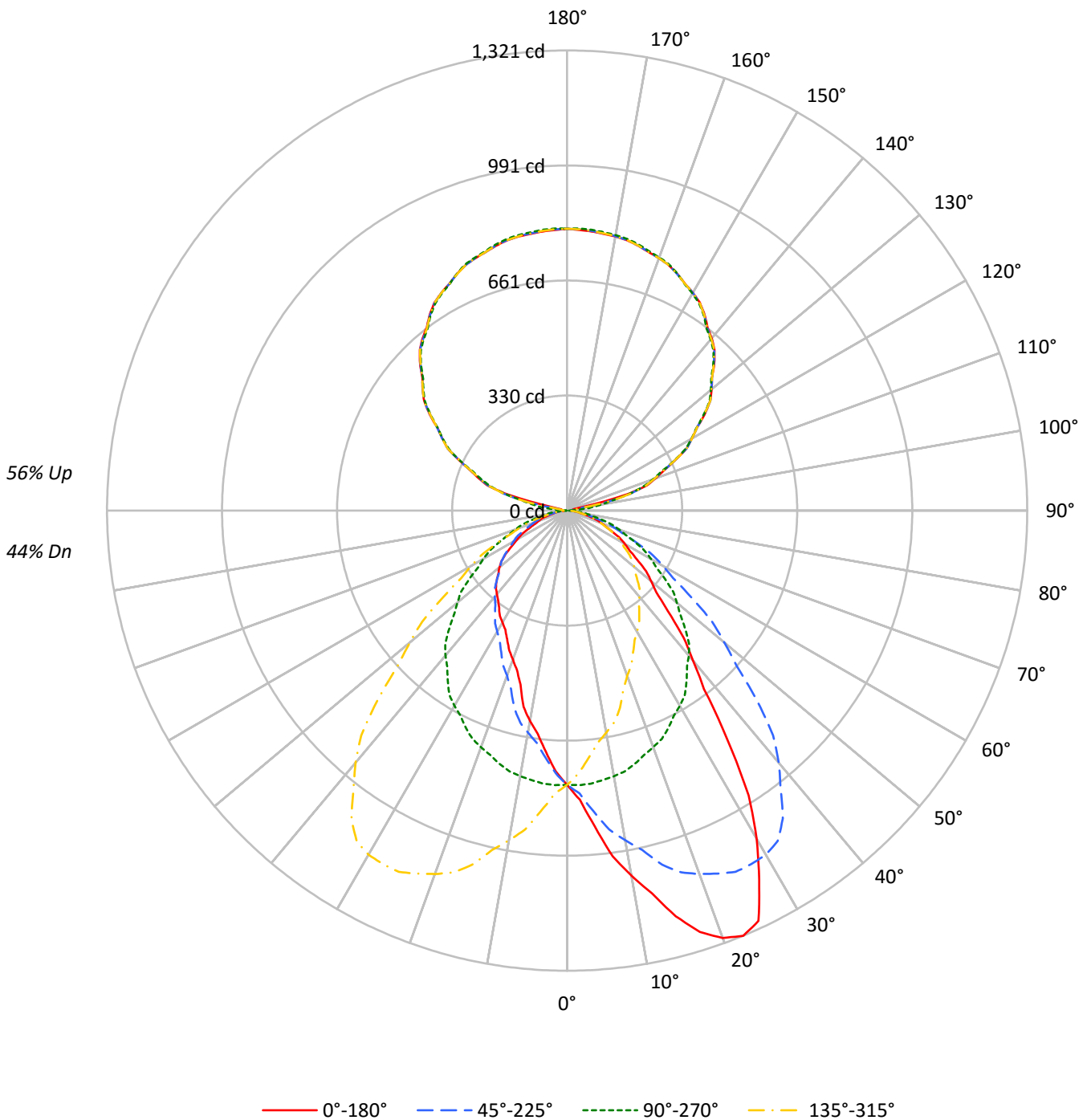
Lumens per Lamp: N/A  
Luminaire Lumens: 4495.4 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 37.6  
Input Voltage (V): 120  
Input Current (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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	89	81	76	71	81	75	70	66	63	59	56	51	49	46	41	39	37	33
3	81	72	65	59	74	66	60	55	55	51	47	46	42	40	36	34	32	28
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	24
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17
8	54	42	35	29	49	39	32	28	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	36	29	25	30	25	22	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	19	17	14	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6356	6356	6356	6356
5°	7373	6375	5635	6375
10°	8722	6347	5029	6347
15°	10074	6288	4322	6288
20°	11217	6208	3908	6208
25°	11580	6128	3628	6128
30°	10137	6032	3459	6032
35°	7890	5889	3358	5889
40°	5917	5727	3303	5727
45°	4672	5465	3273	5465
50°	3945	5163	3180	5163
55°	3438	4830	3009	4830
60°	3094	4487	2662	4487
65°	2728	4115	2290	4115
70°	2455	3729	2068	3729
75°	2059	3306	1762	3306
80°	1739	2817	1650	2817
85°	1473	2205	1473	2205



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.3	1.7
10°-20°	230.1	5.1
20°-30°	359.9	8.0
30°-40°	400.1	8.9
40°-50°	355.0	7.9
50°-60°	276.6	6.2
60°-70°	181.1	4.0
70°-80°	89.1	2.0
80°-90°	24.3	0.5
90°-100°	27.7	0.6
100°-110°	176.5	3.9
110°-120°	337.5	7.5
120°-130°	428.5	9.5
130°-140°	458.5	10.2
140°-150°	428.7	9.5
150°-160°	345.7	7.7
160°-170°	223.0	5.0
170°-180°	76.9	1.7
0°-30°	666.3	14.8
0°-40°	1066.4	23.7
0°-60°	1698.1	37.8
0°-90°	1992.5	44.3
90°-120°	541.7	12.0
90°-150°	1857.3	41.3
90°-180°	2503.0	55.7
0°-180°	4495.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	787	787	787	787	787	
5°	910	787	695	787	910	92
15°	1205	752	517	752	1205	343
25°	1300	688	407	688	1300	577
35°	801	598	341	598	801	502
45°	409	479	287	479	409	324
55°	244	343	214	343	244	222
65°	143	215	120	215	143	144
75°	66	106	56	106	66	73
85°	16	24	16	24	16	18
90°	18	2	18	2	18	9
95°	18	33	18	33	18	14
105°	172	182	172	182	172	150
115°	342	340	342	340	342	339
125°	482	478	482	478	482	429
135°	597	593	597	593	597	460
145°	688	684	688	684	688	430
155°	749	750	749	750	749	345
165°	787	791	787	791	787	222
175°	804	809	804	809	804	77
180°	809	809	809	809	809	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	830.5	832.7	830.5	830.2	827.7	827.0	825.9	822.6	816.5	812.9	813.8
5°	909.8	917.7	913.3	912.6	905.6	898.7	894.2	884.1	873.3	866.0	860.0
7.5°	1001.5	1006.1	1003.3	998.8	987.6	981.1	970.9	957.5	938.2	923.3	909.9
10°	1064.0	1067.7	1066.5	1058.3	1050.0	1033.1	1023.7	1004.9	980.5	961.2	943.1
12.5°	1125.4	1129.4	1118.3	1118.7	1103.0	1089.7	1074.6	1051.2	1022.9	997.9	975.3
15°	1205.4	1200.4	1200.4	1194.0	1176.6	1158.1	1142.6	1117.9	1082.3	1052.6	1021.2
17.5°	1268.1	1269.9	1267.3	1252.3	1238.6	1219.6	1191.1	1162.2	1129.2	1089.2	1057.1
20°	1305.7	1305.7	1302.8	1292.7	1274.9	1254.6	1223.8	1192.5	1150.6	1110.3	1074.1
22.5°	1320.9	1321.9	1318.6	1310.2	1294.2	1274.4	1248.2	1216.3	1173.1	1127.8	1083.0
25°	1300.0	1305.9	1306.6	1304.4	1299.7	1287.6	1265.1	1232.4	1193.7	1144.5	1096.3
27.5°	1193.5	1201.1	1207.8	1218.7	1233.3	1241.0	1241.9	1225.3	1191.6	1144.3	1095.8
30°	1087.4	1093.7	1114.4	1141.3	1162.3	1181.3	1197.8	1202.2	1183.2	1140.7	1089.6
32.5°	969.6	978.3	998.9	1027.9	1062.8	1095.0	1132.1	1151.0	1150.5	1124.9	1077.7
35°	800.6	807.0	826.1	856.5	898.4	946.2	1004.9	1050.6	1081.7	1079.5	1050.6
37.5°	645.7	652.9	672.1	697.4	738.0	797.3	854.1	917.0	974.5	1006.8	997.1
40°	561.5	561.8	580.5	606.5	644.6	696.3	758.1	827.9	892.0	944.4	954.5
42.5°	495.0	495.0	507.4	535.5	562.9	611.6	670.6	739.9	814.9	875.3	902.2
45°	409.2	412.1	422.2	439.0	460.6	501.8	549.1	613.5	697.6	769.2	814.0
47.5°	346.5	350.7	357.2	370.9	388.1	415.6	454.6	512.5	580.9	659.7	723.4
50°	314.1	314.7	322.9	330.5	345.4	367.4	401.6	449.8	512.7	588.4	659.2
52.5°	286.2	286.0	291.0	300.6	312.7	329.8	357.4	401.4	457.1	525.0	598.0
55°	244.3	245.8	249.6	257.2	266.4	278.5	300.4	333.4	377.2	435.2	501.5
57.5°	212.4	213.2	216.2	219.5	227.9	236.7	253.1	276.0	312.9	360.4	422.2
60°	191.6	191.9	192.9	197.6	204.3	212.5	223.6	243.0	274.1	317.6	366.4
62.5°	171.3	171.9	173.3	176.8	182.0	187.7	199.3	214.8	240.6	277.7	321.7
65°	142.8	143.1	145.3	146.6	150.7	155.7	164.3	174.8	192.6	223.6	257.0
67.5°	119.3	119.3	119.4	121.2	124.0	127.3	132.5	140.9	154.3	173.3	202.7
70°	104.0	104.0	104.7	105.7	107.2	110.1	112.9	119.3	129.1	144.6	167.1
72.5°	89.8	90.1	90.7	90.9	91.7	94.1	96.2	100.2	107.5	119.3	137.5
75°	66.0	66.9	68.5	69.8	71.3	71.1	73.3	75.8	78.0	85.0	95.5
77.5°	49.1	48.6	48.8	49.9	50.1	50.4	51.9	53.9	55.6	58.9	62.6
80°	37.4	37.4	38.4	38.7	38.4	38.7	40.3	41.3	41.9	43.1	46.6
82.5°	28.3	28.8	28.5	28.8	29.0	29.4	30.7	30.8	31.5	32.0	33.4
85°	15.9	16.1	16.5	15.9	15.9	15.9	16.5	16.8	17.4	17.1	17.8
87.5°	9.2	8.9	9.1	9.0	9.2	8.9	9.0	9.3	8.6	8.7	8.6
90°	18.2	17.9	17.6	17.4	17.0	16.6	15.7	14.9	14.1	13.3	12.2
92.5°	16.7	16.6	16.6	16.6	16.5	16.1	15.2	14.4	13.6	12.8	11.7
95°	17.5	17.4	17.3	17.1	17.0	16.6	15.7	14.9	14.1	13.3	13.2
97.5°	17.0	16.8	16.7	16.6	16.4	16.3	16.2	16.1	16.1	16.0	31.0
100°	17.0	16.8	16.7	16.6	16.4	17.4	19.7	22.1	24.4	26.7	45.2
102.5°	17.4	17.4	17.4	17.4	17.3	29.7	54.3	79.0	103.6	128.3	130.7
105°	172.5	177.3	182.1	187.0	191.8	193.6	192.4	191.3	190.0	188.8	188.2
107.5°	240.4	239.9	239.4	238.9	238.3	237.8	237.2	236.6	236.0	235.4	234.5
110°	269.9	269.5	269.1	268.7	268.3	268.0	267.7	267.4	267.2	266.8	266.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	299.5	299.0	298.4	297.9	297.4	297.2	297.3	297.3	297.3	297.4	297.0
115°	342.5	342.5	342.5	342.5	342.5	342.4	342.1	341.9	341.6	341.3	341.4
117.5°	386.4	386.4	386.5	386.5	386.5	386.6	386.7	386.7	386.8	386.9	386.5
120°	413.9	414.3	414.5	414.7	415.0	415.0	414.7	414.5	414.3	413.9	414.1
122.5°	441.1	441.3	441.6	441.9	442.1	442.2	442.1	441.9	441.7	441.6	441.3
125°	481.8	481.6	481.4	481.4	481.2	480.9	480.5	480.1	479.7	479.3	479.6
127.5°	517.5	517.6	517.6	517.8	517.9	518.0	518.0	518.1	518.2	518.3	517.6
130°	541.6	541.6	541.6	541.6	541.6	541.6	541.4	541.3	541.2	541.0	540.6
132.5°	563.9	564.0	564.1	564.3	564.4	564.4	564.2	564.0	563.9	563.8	563.3
135°	597.3	597.0	596.8	596.5	596.2	596.0	595.7	595.4	595.2	594.9	594.4
137.5°	625.9	626.0	626.1	626.1	626.2	626.1	625.8	625.5	625.2	624.9	624.4
140°	645.7	645.6	645.5	645.3	645.2	644.9	644.5	644.1	643.7	643.4	643.0
142.5°	662.2	662.2	662.1	662.1	662.1	661.9	661.6	661.4	661.0	660.7	660.6
145°	687.5	687.2	687.0	686.6	686.4	686.2	686.1	685.9	685.8	685.7	685.7
147.5°	708.4	708.3	708.2	708.0	707.9	707.8	707.7	707.5	707.4	707.4	707.4
150°	721.9	721.9	721.7	721.6	721.5	721.4	721.4	721.4	721.4	721.4	721.5
152.5°	733.6	733.7	733.8	733.9	733.9	733.9	733.6	733.4	733.2	733.0	733.3
155°	749.3	749.6	750.0	750.4	750.8	750.7	750.2	749.7	749.2	748.6	749.0
157.5°	762.3	763.0	763.7	764.4	765.1	765.1	764.4	763.7	763.0	762.3	762.7
160°	771.0	771.8	772.7	773.4	774.2	774.2	773.4	772.7	771.8	771.0	771.1
162.5°	777.8	778.7	779.6	780.6	781.5	781.5	780.6	779.9	779.1	778.3	778.4
165°	787.3	788.6	789.8	791.0	792.2	792.2	791.2	790.1	789.0	788.0	788.0
167.5°	794.5	795.8	797.2	798.5	799.9	800.0	798.7	797.6	796.4	795.2	795.3
170°	798.8	800.2	801.5	802.9	804.2	804.4	803.3	802.2	801.1	800.1	799.9
172.5°	801.3	802.7	804.2	805.6	807.1	807.2	806.2	805.1	804.0	803.0	802.8
175°	804.3	805.9	807.6	809.1	810.7	811.0	809.8	808.5	807.3	806.1	806.0
177.5°	806.2	807.6	808.8	810.1	811.4	811.6	810.7	809.9	809.0	808.1	808.0
180°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	811.2	807.6	805.8	801.8	797.0	794.4	792.1	788.9	784.6	780.0	776.7
5°	852.4	844.7	835.2	823.8	813.7	803.8	795.2	786.7	776.9	766.7	756.6
7.5°	894.6	879.6	863.5	844.7	826.6	810.0	794.8	780.2	763.7	748.9	735.4
10°	924.1	903.8	881.3	857.5	833.6	813.0	792.7	774.3	754.0	736.0	720.7
12.5°	947.9	924.1	897.0	867.3	838.7	813.8	790.4	766.5	743.4	723.7	703.4
15°	987.5	954.8	918.4	882.8	845.7	811.8	780.3	752.4	726.1	698.5	679.1
17.5°	1014.7	975.9	931.6	888.9	845.1	805.0	768.8	735.6	705.2	677.0	654.0
20°	1030.9	988.1	939.0	890.4	841.2	798.4	759.5	722.6	691.2	660.8	637.0
22.5°	1040.1	992.7	939.0	888.1	837.2	790.8	748.0	709.7	675.5	645.1	618.7
25°	1043.0	992.2	937.3	879.0	823.2	774.0	729.6	688.0	650.0	619.5	591.6
27.5°	1038.9	979.2	923.0	863.1	805.5	753.7	707.0	663.3	625.3	592.6	563.9
30°	1032.8	968.8	908.5	846.4	788.0	738.2	689.0	647.1	607.5	573.6	544.7
32.5°	1019.7	956.1	891.3	827.5	768.4	717.1	670.5	628.4	589.5	554.7	524.1
35°	993.5	929.1	858.7	793.4	735.3	682.0	638.2	597.6	560.5	523.4	491.1
37.5°	959.0	893.3	823.2	751.7	693.6	643.3	603.1	565.0	528.7	494.9	459.0
40°	926.6	866.7	794.3	723.3	663.7	615.1	578.0	543.4	507.0	473.3	437.4
42.5°	887.3	836.2	763.1	691.8	632.9	586.1	551.5	517.8	484.6	452.0	414.6
45°	821.6	782.9	714.4	645.9	586.5	540.2	508.5	478.7	449.5	418.4	383.2
47.5°	746.3	720.2	661.0	590.8	536.0	494.3	463.7	439.3	414.6	383.5	352.6
50°	694.1	677.3	620.2	556.1	503.8	465.4	434.0	411.1	390.5	360.7	333.0
52.5°	638.2	629.3	581.1	519.8	469.2	431.6	404.8	384.3	363.4	338.6	312.7
55°	553.3	558.0	517.1	464.1	416.5	384.8	360.4	343.2	325.5	304.5	284.5
57.5°	466.3	483.7	456.2	409.7	365.1	335.8	317.4	303.0	288.1	270.7	253.6
60°	414.3	428.8	413.4	372.4	333.4	306.1	289.0	277.9	262.9	247.1	234.1
62.5°	363.5	379.1	369.9	336.9	300.7	277.2	262.1	251.8	240.7	226.8	213.3
65°	299.8	309.9	305.5	282.7	257.0	236.9	223.0	215.4	205.2	195.1	183.0
67.5°	229.6	249.2	246.6	234.5	212.3	196.7	187.5	180.8	171.5	164.0	155.8
70°	188.7	206.8	206.5	196.7	184.6	170.0	163.7	158.0	149.7	142.4	135.7
72.5°	154.5	171.0	173.5	166.0	157.8	146.7	140.6	136.6	128.7	123.7	118.2
75°	108.2	120.3	123.4	123.4	119.6	113.9	108.5	106.0	100.2	95.8	92.6
77.5°	70.9	78.5	83.5	84.6	85.2	83.3	78.8	77.0	72.7	71.1	68.1
80°	50.1	55.2	60.9	62.8	64.4	63.8	61.9	60.6	56.5	54.9	53.6
82.5°	34.7	37.4	42.2	46.3	45.9	47.5	45.9	44.8	41.7	41.2	39.9
85°	18.1	18.4	19.0	21.9	23.5	24.1	24.5	23.8	22.8	22.8	20.6
87.5°	8.3	7.8	8.2	7.9	7.8	8.6	9.0	9.0	8.6	8.1	7.6
90°	11.2	10.1	9.0	7.7	6.3	4.8	3.3	1.8	3.3	4.8	6.3
92.5°	10.7	9.6	8.6	7.9	7.8	7.8	7.7	7.7	7.7	7.8	7.8
95°	13.0	12.9	12.8	15.0	19.6	24.1	28.7	33.3	28.7	24.1	19.6
97.5°	46.0	61.0	76.0	82.1	79.2	76.4	73.5	70.7	73.5	76.4	79.2
100°	63.8	82.3	100.9	108.9	106.5	104.1	101.7	99.2	101.7	104.1	106.5
102.5°	133.1	135.6	137.9	138.3	136.6	134.8	133.0	131.2	133.0	134.8	136.6
105°	187.4	186.8	186.1	185.4	184.6	183.8	183.0	182.1	183.0	183.8	184.6
107.5°	233.6	232.7	231.8	231.1	230.7	230.3	229.9	229.5	229.9	230.3	230.7
110°	265.3	264.5	263.7	263.0	262.7	262.3	261.9	261.5	261.9	262.3	262.7





TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	296.6	296.3	295.9	295.3	294.6	293.9	293.2	292.4	293.2	293.9	294.6
115°	341.6	341.7	341.9	341.7	341.3	341.0	340.6	340.1	340.6	341.0	341.3
117.5°	386.2	386.0	385.6	385.2	384.7	384.2	383.6	383.1	383.6	384.2	384.7
120°	414.3	414.3	414.5	414.3	413.8	413.2	412.7	412.1	412.7	413.2	413.8
122.5°	441.2	441.0	440.8	440.5	440.2	439.9	439.5	439.3	439.5	439.9	440.2
125°	479.9	480.1	480.4	480.2	479.7	479.2	478.7	478.1	478.7	479.2	479.7
127.5°	517.1	516.4	515.8	515.4	515.3	515.2	515.0	514.9	515.0	515.2	515.3
130°	540.2	539.8	539.4	539.2	539.0	538.9	538.7	538.6	538.7	538.9	539.0
132.5°	562.8	562.2	561.7	561.3	561.1	560.9	560.7	560.4	560.7	560.9	561.1
135°	593.8	593.3	592.7	592.6	592.6	592.8	593.0	593.0	593.0	592.8	592.6
137.5°	623.7	623.1	622.6	622.2	622.2	622.2	622.1	622.0	622.1	622.2	622.2
140°	642.8	642.5	642.2	642.0	641.7	641.4	641.2	640.9	641.2	641.4	641.7
142.5°	660.4	660.2	660.1	659.7	659.3	658.8	658.4	657.9	658.4	658.8	659.3
145°	685.7	685.7	685.7	685.5	685.1	684.7	684.3	683.9	684.3	684.7	685.1
147.5°	707.6	707.8	707.8	707.6	706.8	706.0	705.3	704.6	705.3	706.0	706.8
150°	721.6	721.8	721.9	721.7	721.2	720.6	720.1	719.6	720.1	720.6	721.2
152.5°	733.5	733.7	733.9	733.9	733.4	733.0	732.5	732.1	732.5	733.0	733.4
155°	749.4	749.8	750.2	750.4	750.2	750.1	750.0	749.8	750.0	750.1	750.2
157.5°	763.2	763.7	764.1	764.4	764.5	764.6	764.7	764.8	764.7	764.6	764.5
160°	771.3	771.4	771.5	771.8	772.3	772.7	773.0	773.4	773.0	772.7	772.3
162.5°	778.5	778.7	778.8	779.1	779.7	780.2	780.6	781.1	780.6	780.2	779.7
165°	788.0	788.0	788.0	788.3	789.0	789.6	790.3	791.0	790.3	789.6	789.0
167.5°	795.4	795.5	795.6	795.9	796.6	797.4	798.0	798.7	798.0	797.4	796.6
170°	799.8	799.6	799.5	799.9	800.6	801.4	802.3	803.1	802.3	801.4	800.6
172.5°	802.7	802.6	802.4	802.7	803.6	804.4	805.2	806.0	805.2	804.4	803.6
175°	805.8	805.7	805.6	805.9	806.7	807.6	808.3	809.1	808.3	807.6	806.7
177.5°	807.7	807.6	807.3	807.6	808.3	809.1	809.8	810.6	809.8	809.1	808.3
180°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1



TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	773.1	770.6	767.3	763.4	758.9	754.9	753.1	754.6	755.4	753.3	753.1
5°	749.6	741.7	735.3	725.8	718.2	711.8	707.4	705.5	706.1	701.1	699.8
7.5°	723.1	713.7	703.4	692.0	681.5	672.2	667.3	664.6	659.3	657.0	653.1
10°	706.1	693.4	683.3	669.9	657.9	646.8	641.4	637.0	631.6	629.0	623.6
12.5°	688.6	673.9	662.8	648.9	636.6	623.2	618.1	609.8	601.4	596.1	589.1
15°	663.9	646.2	632.5	616.0	601.4	586.2	572.6	557.3	551.6	539.6	532.6
17.5°	635.0	617.0	600.1	578.0	555.5	536.6	522.0	507.5	498.7	491.1	487.5
20°	616.0	599.6	576.1	550.4	525.3	504.3	492.6	483.1	473.6	468.2	464.4
22.5°	598.0	577.0	549.7	522.0	496.9	480.5	470.6	460.8	453.1	447.9	442.9
25°	567.9	540.2	511.4	479.6	462.5	448.3	437.4	429.5	424.8	418.1	415.6
27.5°	536.8	503.4	471.5	450.2	432.4	419.3	409.9	404.0	397.9	393.6	390.4
30°	512.9	479.0	450.5	430.2	412.1	401.3	393.6	386.7	382.0	378.5	375.9
32.5°	489.3	455.4	431.4	409.6	395.3	384.8	376.7	371.5	367.7	363.2	361.7
35°	455.2	425.1	404.1	384.5	369.9	360.4	354.0	348.6	345.4	344.2	343.2
37.5°	422.4	397.7	375.2	359.1	346.1	338.6	331.1	328.5	326.3	324.0	325.1
40°	401.6	378.5	358.5	341.4	330.8	322.6	318.1	315.0	313.1	313.1	313.1
42.5°	383.6	360.9	341.4	326.1	315.6	308.7	303.7	301.0	300.4	300.1	301.7
45°	355.6	334.7	315.0	302.3	293.4	286.4	283.6	281.4	281.4	282.7	283.0
47.5°	327.9	308.3	292.4	278.3	270.1	265.8	263.3	262.1	262.3	263.5	265.0
50°	310.9	291.6	276.0	263.3	255.7	251.5	249.3	248.7	249.3	249.3	251.5
52.5°	292.4	275.0	259.8	249.1	240.4	236.6	235.4	234.5	234.9	235.9	236.8
55°	265.2	249.6	235.1	224.9	218.6	216.1	213.2	213.5	212.9	213.5	213.5
57.5°	238.0	224.0	210.4	202.4	196.8	193.1	190.0	190.9	190.0	189.8	189.3
60°	220.5	205.2	194.4	187.2	180.8	177.7	174.8	175.5	174.5	173.8	172.6
62.5°	201.5	188.7	178.5	171.5	166.3	162.7	159.8	159.1	156.9	154.8	152.0
65°	173.8	163.4	154.2	147.5	142.8	139.9	137.7	135.7	131.0	126.0	123.4
67.5°	147.0	139.4	130.9	125.2	121.4	117.6	113.4	110.1	105.7	102.9	101.3
70°	129.7	122.5	115.1	109.7	105.7	102.2	97.3	95.1	92.0	90.7	89.1
72.5°	113.2	106.5	99.6	94.8	90.4	87.6	84.0	81.7	80.3	79.8	78.2
75°	88.2	82.8	77.7	73.3	69.8	67.9	66.3	64.7	64.1	61.2	59.6
77.5°	64.3	60.7	57.6	54.5	51.9	50.7	47.6	45.8	44.8	43.4	43.0
80°	50.1	47.6	44.4	42.5	39.1	37.7	36.4	36.2	35.9	35.5	35.2
82.5°	37.7	35.1	32.0	30.8	29.9	29.1	28.4	28.0	27.7	27.9	27.9
85°	19.0	17.8	17.8	17.4	17.1	16.8	16.5	16.5	16.1	16.5	16.1
87.5°	7.9	7.9	8.1	7.8	8.3	8.5	8.4	8.6	9.0	8.6	8.7
90°	7.7	9.0	10.1	11.2	12.2	13.3	14.1	14.9	15.7	16.6	17.0
92.5°	7.9	8.6	9.6	10.7	11.7	12.8	13.6	14.4	15.2	16.1	16.5
95°	15.0	12.8	12.9	13.0	13.2	13.3	14.1	14.9	15.7	16.6	17.0
97.5°	82.1	76.0	61.0	46.0	31.0	16.0	16.1	16.1	16.2	16.3	16.4
100°	108.9	100.9	82.3	63.8	45.2	26.7	24.4	22.1	19.7	17.4	16.4
102.5°	138.3	137.9	135.6	133.1	130.7	128.3	103.6	79.0	54.3	29.7	17.3
105°	185.4	186.1	186.8	187.4	188.2	188.8	190.0	191.3	192.4	193.6	191.8
107.5°	231.1	231.8	232.7	233.6	234.5	235.4	236.0	236.6	237.2	237.8	238.3
110°	263.0	263.7	264.5	265.3	266.1	266.8	267.2	267.4	267.7	268.0	268.3



TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	295.3	295.9	296.3	296.6	297.0	297.4	297.3	297.3	297.3	297.2	297.4
115°	341.7	341.9	341.7	341.6	341.4	341.3	341.6	341.9	342.1	342.4	342.5
117.5°	385.2	385.6	386.0	386.2	386.5	386.9	386.8	386.7	386.7	386.6	386.5
120°	414.3	414.5	414.3	414.3	414.1	413.9	414.3	414.5	414.7	415.0	415.0
122.5°	440.5	440.8	441.0	441.2	441.3	441.6	441.7	441.9	442.1	442.2	442.1
125°	480.2	480.4	480.1	479.9	479.6	479.3	479.7	480.1	480.5	480.9	481.2
127.5°	515.4	515.8	516.4	517.1	517.6	518.3	518.2	518.1	518.0	518.0	517.9
130°	539.2	539.4	539.8	540.2	540.6	541.0	541.2	541.3	541.4	541.6	541.6
132.5°	561.3	561.7	562.2	562.8	563.3	563.8	563.9	564.0	564.2	564.4	564.4
135°	592.6	592.7	593.3	593.8	594.4	594.9	595.2	595.4	595.7	596.0	596.2
137.5°	622.2	622.6	623.1	623.7	624.4	624.9	625.2	625.5	625.8	626.1	626.2
140°	642.0	642.2	642.5	642.8	643.0	643.4	643.7	644.1	644.5	644.9	645.2
142.5°	659.7	660.1	660.2	660.4	660.6	660.7	661.0	661.4	661.6	661.9	662.1
145°	685.5	685.7	685.7	685.7	685.7	685.7	685.8	685.9	686.1	686.2	686.4
147.5°	707.6	707.8	707.8	707.6	707.4	707.4	707.4	707.5	707.7	707.8	707.9
150°	721.7	721.9	721.8	721.6	721.5	721.4	721.4	721.4	721.4	721.4	721.5
152.5°	733.9	733.9	733.7	733.5	733.3	733.0	733.2	733.4	733.6	733.9	733.9
155°	750.4	750.2	749.8	749.4	749.0	748.6	749.2	749.7	750.2	750.7	750.8
157.5°	764.4	764.1	763.7	763.2	762.7	762.3	763.0	763.7	764.4	765.1	765.1
160°	771.8	771.5	771.4	771.3	771.1	771.0	771.8	772.7	773.4	774.2	774.2
162.5°	779.1	778.8	778.7	778.5	778.4	778.3	779.1	779.9	780.6	781.5	781.5
165°	788.3	788.0	788.0	788.0	788.0	788.0	789.0	790.1	791.2	792.2	792.2
167.5°	795.9	795.6	795.5	795.4	795.3	795.2	796.4	797.6	798.7	800.0	799.9
170°	799.9	799.5	799.6	799.8	799.9	800.1	801.1	802.2	803.3	804.4	804.2
172.5°	802.7	802.4	802.6	802.7	802.8	803.0	804.0	805.1	806.2	807.2	807.1
175°	805.9	805.6	805.7	805.8	806.0	806.1	807.3	808.5	809.8	811.0	810.7
177.5°	807.6	807.3	807.6	807.7	808.0	808.1	809.0	809.9	810.7	811.6	811.4
180°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1



TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	751.5	752.0	750.3	749.7	750.3	752.0	751.5	753.1	753.3	755.4	754.6
5°	697.2	696.6	695.0	695.4	695.0	696.6	697.2	699.8	701.1	706.1	705.5
7.5°	650.8	648.3	649.1	646.5	649.1	648.3	650.8	653.1	657.0	659.3	664.6
10°	622.4	618.9	616.0	613.5	616.0	618.9	622.4	623.6	629.0	631.6	637.0
12.5°	583.6	580.6	576.7	577.5	576.7	580.6	583.6	589.1	596.1	601.4	609.8
15°	528.5	523.7	516.1	517.1	516.1	523.7	528.5	532.6	539.6	551.6	557.3
17.5°	481.8	481.9	478.4	479.2	478.4	481.9	481.8	487.5	491.1	498.7	507.5
20°	457.7	455.5	455.8	454.9	455.8	455.5	457.7	464.4	468.2	473.6	483.1
22.5°	441.0	438.3	436.0	434.1	436.0	438.3	441.0	442.9	447.9	453.1	460.8
25°	412.7	410.8	408.0	407.3	408.0	410.8	412.7	415.6	418.1	424.8	429.5
27.5°	387.8	387.4	386.3	384.8	386.3	387.4	387.8	390.4	393.6	397.9	404.0
30°	373.3	372.8	372.1	371.1	372.1	372.8	373.3	375.9	378.5	382.0	386.7
32.5°	360.4	360.0	359.4	359.5	359.4	360.0	360.4	361.7	363.2	367.7	371.5
35°	341.9	341.6	341.0	340.7	341.0	341.6	341.9	343.2	344.2	345.4	348.6
37.5°	324.7	325.5	325.1	325.1	325.1	325.5	324.7	325.1	324.0	326.3	328.5
40°	312.7	313.1	313.7	313.4	313.7	313.1	312.7	313.1	313.1	313.1	315.0
42.5°	302.9	303.0	303.9	302.7	303.9	303.0	302.9	301.7	300.1	300.4	301.0
45°	285.2	287.1	286.7	286.7	286.7	287.1	285.2	283.0	282.7	281.4	281.4
47.5°	265.8	267.5	267.9	267.8	267.9	267.5	265.8	265.0	263.5	262.3	262.1
50°	253.2	252.5	253.5	253.2	253.5	252.5	253.2	251.5	249.3	249.3	248.7
52.5°	237.7	237.8	237.7	237.4	237.7	237.8	237.7	236.8	235.9	234.9	234.5
55°	213.8	214.1	213.5	213.8	213.5	214.1	213.8	213.5	213.5	212.9	213.5
57.5°	187.9	186.4	187.0	186.3	187.0	186.4	187.9	189.3	189.8	190.0	190.9
60°	169.4	166.9	166.2	164.9	166.2	166.9	169.4	172.6	173.8	174.5	175.5
62.5°	148.5	146.8	144.6	145.7	144.6	146.8	148.5	152.0	154.8	156.9	159.1
65°	120.8	119.6	118.6	119.9	118.6	119.6	120.8	123.4	126.0	131.0	135.7
67.5°	100.0	99.4	99.4	98.7	99.4	99.4	100.0	101.3	102.9	105.7	110.1
70°	89.1	88.2	88.2	87.6	88.2	88.2	89.1	89.1	90.7	92.0	95.1
72.5°	77.9	77.0	77.3	76.9	77.3	77.0	77.9	78.2	79.8	80.3	81.7
75°	57.7	56.2	56.2	56.5	56.2	56.2	57.7	59.6	61.2	64.1	64.7
77.5°	43.0	42.7	43.2	42.6	43.2	42.7	43.0	43.0	43.4	44.8	45.8
80°	35.2	34.9	34.6	35.5	34.6	34.9	35.2	35.2	35.5	35.9	36.2
82.5°	27.3	27.3	27.2	28.5	27.2	27.3	27.3	27.9	27.9	27.7	28.0
85°	16.5	15.9	16.5	15.9	16.5	15.9	16.5	16.1	16.5	16.1	16.5
87.5°	9.3	9.1	8.9	9.2	8.9	9.1	9.3	8.7	8.6	9.0	8.6
90°	17.4	17.6	17.9	18.2	17.9	17.6	17.4	17.0	16.6	15.7	14.9
92.5°	16.6	16.6	16.6	16.7	16.6	16.6	16.6	16.5	16.1	15.2	14.4
95°	17.1	17.3	17.4	17.5	17.4	17.3	17.1	17.0	16.6	15.7	14.9
97.5°	16.6	16.7	16.8	17.0	16.8	16.7	16.6	16.4	16.3	16.2	16.1
100°	16.6	16.7	16.8	17.0	16.8	16.7	16.6	16.4	17.4	19.7	22.1
102.5°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.3	29.7	54.3	79.0
105°	187.0	182.1	177.3	172.5	177.3	182.1	187.0	191.8	193.6	192.4	191.3
107.5°	238.9	239.4	239.9	240.4	239.9	239.4	238.9	238.3	237.8	237.2	236.6
110°	268.7	269.1	269.5	269.9	269.5	269.1	268.7	268.3	268.0	267.7	267.4



TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	297.9	298.4	299.0	299.5	299.0	298.4	297.9	297.4	297.2	297.3	297.3
115°	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.4	342.1	341.9
117.5°	386.5	386.5	386.4	386.4	386.4	386.5	386.5	386.5	386.6	386.7	386.7
120°	414.7	414.5	414.3	413.9	414.3	414.5	414.7	415.0	415.0	414.7	414.5
122.5°	441.9	441.6	441.3	441.1	441.3	441.6	441.9	442.1	442.2	442.1	441.9
125°	481.4	481.4	481.6	481.8	481.6	481.4	481.4	481.2	480.9	480.5	480.1
127.5°	517.8	517.6	517.6	517.5	517.6	517.6	517.8	517.9	518.0	518.0	518.1
130°	541.6	541.6	541.6	541.6	541.6	541.6	541.6	541.6	541.6	541.4	541.3
132.5°	564.3	564.1	564.0	563.9	564.0	564.1	564.3	564.4	564.4	564.2	564.0
135°	596.5	596.8	597.0	597.3	597.0	596.8	596.5	596.2	596.0	595.7	595.4
137.5°	626.1	626.1	626.0	625.9	626.0	626.1	626.1	626.2	626.1	625.8	625.5
140°	645.3	645.5	645.6	645.7	645.6	645.5	645.3	645.2	644.9	644.5	644.1
142.5°	662.1	662.1	662.2	662.2	662.2	662.1	662.1	662.1	661.9	661.6	661.4
145°	686.6	687.0	687.2	687.5	687.2	687.0	686.6	686.4	686.2	686.1	685.9
147.5°	708.0	708.2	708.3	708.4	708.3	708.2	708.0	707.9	707.8	707.7	707.5
150°	721.6	721.7	721.9	721.9	721.9	721.7	721.6	721.5	721.4	721.4	721.4
152.5°	733.9	733.8	733.7	733.6	733.7	733.8	733.9	733.9	733.9	733.6	733.4
155°	750.4	750.0	749.6	749.3	749.6	750.0	750.4	750.8	750.7	750.2	749.7
157.5°	764.4	763.7	763.0	762.3	763.0	763.7	764.4	765.1	765.1	764.4	763.7
160°	773.4	772.7	771.8	771.0	771.8	772.7	773.4	774.2	774.2	773.4	772.7
162.5°	780.6	779.6	778.7	777.8	778.7	779.6	780.6	781.5	781.5	780.6	779.9
165°	791.0	789.8	788.6	787.3	788.6	789.8	791.0	792.2	792.2	791.2	790.1
167.5°	798.5	797.2	795.8	794.5	795.8	797.2	798.5	799.9	800.0	798.7	797.6
170°	802.9	801.5	800.2	798.8	800.2	801.5	802.9	804.2	804.4	803.3	802.2
172.5°	805.6	804.2	802.7	801.3	802.7	804.2	805.6	807.1	807.2	806.2	805.1
175°	809.1	807.6	805.9	804.3	805.9	807.6	809.1	810.7	811.0	809.8	808.5
177.5°	810.1	808.8	807.6	806.2	807.6	808.8	810.1	811.4	811.6	810.7	809.9
180°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1



TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	753.1	754.9	758.9	763.4	767.3	770.6	773.1	776.7	780.0	784.6	788.9
5°	707.4	711.8	718.2	725.8	735.3	741.7	749.6	756.6	766.7	776.9	786.7
7.5°	667.3	672.2	681.5	692.0	703.4	713.7	723.1	735.4	748.9	763.7	780.2
10°	641.4	646.8	657.9	669.9	683.3	693.4	706.1	720.7	736.0	754.0	774.3
12.5°	618.1	623.2	636.6	648.9	662.8	673.9	688.6	703.4	723.7	743.4	766.5
15°	572.6	586.2	601.4	616.0	632.5	646.2	663.9	679.1	698.5	726.1	752.4
17.5°	522.0	536.6	555.5	578.0	600.1	617.0	635.0	654.0	677.0	705.2	735.6
20°	492.6	504.3	525.3	550.4	576.1	599.6	616.0	637.0	660.8	691.2	722.6
22.5°	470.6	480.5	496.9	522.0	549.7	577.0	598.0	618.7	645.1	675.5	709.7
25°	437.4	448.3	462.5	479.6	511.4	540.2	567.9	591.6	619.5	650.0	688.0
27.5°	409.9	419.3	432.4	450.2	471.5	503.4	536.8	563.9	592.6	625.3	663.3
30°	393.6	401.3	412.1	430.2	450.5	479.0	512.9	544.7	573.6	607.5	647.1
32.5°	376.7	384.8	395.3	409.6	431.4	455.4	489.3	524.1	554.7	589.5	628.4
35°	354.0	360.4	369.9	384.5	404.1	425.1	455.2	491.1	523.4	560.5	597.6
37.5°	331.1	338.6	346.1	359.1	375.2	397.7	422.4	459.0	494.9	528.7	565.0
40°	318.1	322.6	330.8	341.4	358.5	378.5	401.6	437.4	473.3	507.0	543.4
42.5°	303.7	308.7	315.6	326.1	341.4	360.9	383.6	414.6	452.0	484.6	517.8
45°	283.6	286.4	293.4	302.3	315.0	334.7	355.6	383.2	418.4	449.5	478.7
47.5°	263.3	265.8	270.1	278.3	292.4	308.3	327.9	352.6	383.5	414.6	439.3
50°	249.3	251.5	255.7	263.3	276.0	291.6	310.9	333.0	360.7	390.5	411.1
52.5°	235.4	236.6	240.4	249.1	259.8	275.0	292.4	312.7	338.6	363.4	384.3
55°	213.2	216.1	218.6	224.9	235.1	249.6	265.2	284.5	304.5	325.5	343.2
57.5°	190.0	193.1	196.8	202.4	210.4	224.0	238.0	253.6	270.7	288.1	303.0
60°	174.8	177.7	180.8	187.2	194.4	205.2	220.5	234.1	247.1	262.9	277.9
62.5°	159.8	162.7	166.3	171.5	178.5	188.7	201.5	213.3	226.8	240.7	251.8
65°	137.7	139.9	142.8	147.5	154.2	163.4	173.8	183.0	195.1	205.2	215.4
67.5°	113.4	117.6	121.4	125.2	130.9	139.4	147.0	155.8	164.0	171.5	180.8
70°	97.3	102.2	105.7	109.7	115.1	122.5	129.7	135.7	142.4	149.7	158.0
72.5°	84.0	87.6	90.4	94.8	99.6	106.5	113.2	118.2	123.7	128.7	136.6
75°	66.3	67.9	69.8	73.3	77.7	82.8	88.2	92.6	95.8	100.2	106.0
77.5°	47.6	50.7	51.9	54.5	57.6	60.7	64.3	68.1	71.1	72.7	77.0
80°	36.4	37.7	39.1	42.5	44.4	47.6	50.1	53.6	54.9	56.5	60.6
82.5°	28.4	29.1	29.9	30.8	32.0	35.1	37.7	39.9	41.2	41.7	44.8
85°	16.5	16.8	17.1	17.4	17.8	17.8	19.0	20.6	22.8	22.8	23.8
87.5°	8.4	8.5	8.3	7.8	8.1	7.9	7.9	7.6	8.1	8.6	9.0
90°	14.1	13.3	12.2	11.2	10.1	9.0	7.7	6.3	4.8	3.3	1.8
92.5°	13.6	12.8	11.7	10.7	9.6	8.6	7.9	7.8	7.8	7.7	7.7
95°	14.1	13.3	13.2	13.0	12.9	12.8	15.0	19.6	24.1	28.7	33.3
97.5°	16.1	16.0	31.0	46.0	61.0	76.0	82.1	79.2	76.4	73.5	70.7
100°	24.4	26.7	45.2	63.8	82.3	100.9	108.9	106.5	104.1	101.7	99.2
102.5°	103.6	128.3	130.7	133.1	135.6	137.9	138.3	136.6	134.8	133.0	131.2
105°	190.0	188.8	188.2	187.4	186.8	186.1	185.4	184.6	183.8	183.0	182.1
107.5°	236.0	235.4	234.5	233.6	232.7	231.8	231.1	230.7	230.3	229.9	229.5
110°	267.2	266.8	266.1	265.3	264.5	263.7	263.0	262.7	262.3	261.9	261.5



TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.3	297.4	297.0	296.6	296.3	295.9	295.3	294.6	293.9	293.2	292.4
115°	341.6	341.3	341.4	341.6	341.7	341.9	341.7	341.3	341.0	340.6	340.1
117.5°	386.8	386.9	386.5	386.2	386.0	385.6	385.2	384.7	384.2	383.6	383.1
120°	414.3	413.9	414.1	414.3	414.3	414.5	414.3	413.8	413.2	412.7	412.1
122.5°	441.7	441.6	441.3	441.2	441.0	440.8	440.5	440.2	439.9	439.5	439.3
125°	479.7	479.3	479.6	479.9	480.1	480.4	480.2	479.7	479.2	478.7	478.1
127.5°	518.2	518.3	517.6	517.1	516.4	515.8	515.4	515.3	515.2	515.0	514.9
130°	541.2	541.0	540.6	540.2	539.8	539.4	539.2	539.0	538.9	538.7	538.6
132.5°	563.9	563.8	563.3	562.8	562.2	561.7	561.3	561.1	560.9	560.7	560.4
135°	595.2	594.9	594.4	593.8	593.3	592.7	592.6	592.6	592.8	593.0	593.0
137.5°	625.2	624.9	624.4	623.7	623.1	622.6	622.2	622.2	622.2	622.1	622.0
140°	643.7	643.4	643.0	642.8	642.5	642.2	642.0	641.7	641.4	641.2	640.9
142.5°	661.0	660.7	660.6	660.4	660.2	660.1	659.7	659.3	658.8	658.4	657.9
145°	685.8	685.7	685.7	685.7	685.7	685.7	685.5	685.1	684.7	684.3	683.9
147.5°	707.4	707.4	707.4	707.6	707.8	707.8	707.6	706.8	706.0	705.3	704.6
150°	721.4	721.4	721.5	721.6	721.8	721.9	721.7	721.2	720.6	720.1	719.6
152.5°	733.2	733.0	733.3	733.5	733.7	733.9	733.9	733.4	733.0	732.5	732.1
155°	749.2	748.6	749.0	749.4	749.8	750.2	750.4	750.2	750.1	750.0	749.8
157.5°	763.0	762.3	762.7	763.2	763.7	764.1	764.4	764.5	764.6	764.7	764.8
160°	771.8	771.0	771.1	771.3	771.4	771.5	771.8	772.3	772.7	773.0	773.4
162.5°	779.1	778.3	778.4	778.5	778.7	778.8	779.1	779.7	780.2	780.6	781.1
165°	789.0	788.0	788.0	788.0	788.0	788.0	788.3	789.0	789.6	790.3	791.0
167.5°	796.4	795.2	795.3	795.4	795.5	795.6	795.9	796.6	797.4	798.0	798.7
170°	801.1	800.1	799.9	799.8	799.6	799.5	799.9	800.6	801.4	802.3	803.1
172.5°	804.0	803.0	802.8	802.7	802.6	802.4	802.7	803.6	804.4	805.2	806.0
175°	807.3	806.1	806.0	805.8	805.7	805.6	805.9	806.7	807.6	808.3	809.1
177.5°	809.0	808.1	808.0	807.7	807.6	807.3	807.6	808.3	809.1	809.8	810.6
180°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1



TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	792.1	794.4	797.0	801.8	805.8	807.6	811.2	813.8	812.9	816.5	822.6
5°	795.2	803.8	813.7	823.8	835.2	844.7	852.4	860.0	866.0	873.3	884.1
7.5°	794.8	810.0	826.6	844.7	863.5	879.6	894.6	909.9	923.3	938.2	957.5
10°	792.7	813.0	833.6	857.5	881.3	903.8	924.1	943.1	961.2	980.5	1004.9
12.5°	790.4	813.8	838.7	867.3	897.0	924.1	947.9	975.3	997.9	1022.9	1051.2
15°	780.3	811.8	845.7	882.8	918.4	954.8	987.5	1021.2	1052.6	1082.3	1117.9
17.5°	768.8	805.0	845.1	888.9	931.6	975.9	1014.7	1057.1	1089.2	1129.2	1162.2
20°	759.5	798.4	841.2	890.4	939.0	988.1	1030.9	1074.1	1110.3	1150.6	1192.5
22.5°	748.0	790.8	837.2	888.1	939.0	992.7	1040.1	1083.0	1127.8	1173.1	1216.3
25°	729.6	774.0	823.2	879.0	937.3	992.2	1043.0	1096.3	1144.5	1193.7	1232.4
27.5°	707.0	753.7	805.5	863.1	923.0	979.2	1038.9	1095.8	1144.3	1191.6	1225.3
30°	689.0	738.2	788.0	846.4	908.5	968.8	1032.8	1089.6	1140.7	1183.2	1202.2
32.5°	670.5	717.1	768.4	827.5	891.3	956.1	1019.7	1077.7	1124.9	1150.5	1151.0
35°	638.2	682.0	735.3	793.4	858.7	929.1	993.5	1050.6	1079.5	1081.7	1050.6
37.5°	603.1	643.3	693.6	751.7	823.2	893.3	959.0	997.1	1006.8	974.5	917.0
40°	578.0	615.1	663.7	723.3	794.3	866.7	926.6	954.5	944.4	892.0	827.9
42.5°	551.5	586.1	632.9	691.8	763.1	836.2	887.3	902.2	875.3	814.9	739.9
45°	508.5	540.2	586.5	645.9	714.4	782.9	821.6	814.0	769.2	697.6	613.5
47.5°	463.7	494.3	536.0	590.8	661.0	720.2	746.3	723.4	659.7	580.9	512.5
50°	434.0	465.4	503.8	556.1	620.2	677.3	694.1	659.2	588.4	512.7	449.8
52.5°	404.8	431.6	469.2	519.8	581.1	629.3	638.2	598.0	525.0	457.1	401.4
55°	360.4	384.8	416.5	464.1	517.1	558.0	553.3	501.5	435.2	377.2	333.4
57.5°	317.4	335.8	365.1	409.7	456.2	483.7	466.3	422.2	360.4	312.9	276.0
60°	289.0	306.1	333.4	372.4	413.4	428.8	414.3	366.4	317.6	274.1	243.0
62.5°	262.1	277.2	300.7	336.9	369.9	379.1	363.5	321.7	277.7	240.6	214.8
65°	223.0	236.9	257.0	282.7	305.5	309.9	299.8	257.0	223.6	192.6	174.8
67.5°	187.5	196.7	212.3	234.5	246.6	249.2	229.6	202.7	173.3	154.3	140.9
70°	163.7	170.0	184.6	196.7	206.5	206.8	188.7	167.1	144.6	129.1	119.3
72.5°	140.6	146.7	157.8	166.0	173.5	171.0	154.5	137.5	119.3	107.5	100.2
75°	108.5	113.9	119.6	123.4	123.4	120.3	108.2	95.5	85.0	78.0	75.8
77.5°	78.8	83.3	85.2	84.6	83.5	78.5	70.9	62.6	58.9	55.6	53.9
80°	61.9	63.8	64.4	62.8	60.9	55.2	50.1	46.6	43.1	41.9	41.3
82.5°	45.9	47.5	45.9	46.3	42.2	37.4	34.7	33.4	32.0	31.5	30.8
85°	24.5	24.1	23.5	21.9	19.0	18.4	18.1	17.8	17.1	17.4	16.8
87.5°	9.0	8.6	7.8	7.9	8.2	7.8	8.3	8.6	8.7	8.6	9.3
90°	3.3	4.8	6.3	7.7	9.0	10.1	11.2	12.2	13.3	14.1	14.9
92.5°	7.7	7.8	7.8	7.9	8.6	9.6	10.7	11.7	12.8	13.6	14.4
95°	28.7	24.1	19.6	15.0	12.8	12.9	13.0	13.2	13.3	14.1	14.9
97.5°	73.5	76.4	79.2	82.1	76.0	61.0	46.0	31.0	16.0	16.1	16.1
100°	101.7	104.1	106.5	108.9	100.9	82.3	63.8	45.2	26.7	24.4	22.1
102.5°	133.0	134.8	136.6	138.3	137.9	135.6	133.1	130.7	128.3	103.6	79.0
105°	183.0	183.8	184.6	185.4	186.1	186.8	187.4	188.2	188.8	190.0	191.3
107.5°	229.9	230.3	230.7	231.1	231.8	232.7	233.6	234.5	235.4	236.0	236.6
110°	261.9	262.3	262.7	263.0	263.7	264.5	265.3	266.1	266.8	267.2	267.4





TEST NUMBER: P333039-930

CATALOG NUMBER: S124RDIW-S575D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	293.2	293.9	294.6	295.3	295.9	296.3	296.6	297.0	297.4	297.3	297.3
115°	340.6	341.0	341.3	341.7	341.9	341.7	341.6	341.4	341.3	341.6	341.9
117.5°	383.6	384.2	384.7	385.2	385.6	386.0	386.2	386.5	386.9	386.8	386.7
120°	412.7	413.2	413.8	414.3	414.5	414.3	414.3	414.1	413.9	414.3	414.5
122.5°	439.5	439.9	440.2	440.5	440.8	441.0	441.2	441.3	441.6	441.7	441.9
125°	478.7	479.2	479.7	480.2	480.4	480.1	479.9	479.6	479.3	479.7	480.1
127.5°	515.0	515.2	515.3	515.4	515.8	516.4	517.1	517.6	518.3	518.2	518.1
130°	538.7	538.9	539.0	539.2	539.4	539.8	540.2	540.6	541.0	541.2	541.3
132.5°	560.7	560.9	561.1	561.3	561.7	562.2	562.8	563.3	563.8	563.9	564.0
135°	593.0	592.8	592.6	592.6	592.7	593.3	593.8	594.4	594.9	595.2	595.4
137.5°	622.1	622.2	622.2	622.2	622.6	623.1	623.7	624.4	624.9	625.2	625.5
140°	641.2	641.4	641.7	642.0	642.2	642.5	642.8	643.0	643.4	643.7	644.1
142.5°	658.4	658.8	659.3	659.7	660.1	660.2	660.4	660.6	660.7	661.0	661.4
145°	684.3	684.7	685.1	685.5	685.7	685.7	685.7	685.7	685.7	685.8	685.9
147.5°	705.3	706.0	706.8	707.6	707.8	707.8	707.6	707.4	707.4	707.4	707.5
150°	720.1	720.6	721.2	721.7	721.9	721.8	721.6	721.5	721.4	721.4	721.4
152.5°	732.5	733.0	733.4	733.9	733.9	733.7	733.5	733.3	733.0	733.2	733.4
155°	750.0	750.1	750.2	750.4	750.2	749.8	749.4	749.0	748.6	749.2	749.7
157.5°	764.7	764.6	764.5	764.4	764.1	763.7	763.2	762.7	762.3	763.0	763.7
160°	773.0	772.7	772.3	771.8	771.5	771.4	771.3	771.1	771.0	771.8	772.7
162.5°	780.6	780.2	779.7	779.1	778.8	778.7	778.5	778.4	778.3	779.1	779.9
165°	790.3	789.6	789.0	788.3	788.0	788.0	788.0	788.0	788.0	789.0	790.1
167.5°	798.0	797.4	796.6	795.9	795.6	795.5	795.4	795.3	795.2	796.4	797.6
170°	802.3	801.4	800.6	799.9	799.5	799.6	799.8	799.9	800.1	801.1	802.2
172.5°	805.2	804.4	803.6	802.7	802.4	802.6	802.7	802.8	803.0	804.0	805.1
175°	808.3	807.6	806.7	805.9	805.6	805.7	805.8	806.0	806.1	807.3	808.5
177.5°	809.8	809.1	808.3	807.6	807.3	807.6	807.7	808.0	808.1	809.0	809.9
180°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	825.9	827.0	827.7	830.2	830.5	832.7	830.5
5°	894.2	898.7	905.6	912.6	913.3	917.7	909.8
7.5°	970.9	981.1	987.6	998.8	1003.3	1006.1	1001.5
10°	1023.7	1033.1	1050.0	1058.3	1066.5	1067.7	1064.0
12.5°	1074.6	1089.7	1103.0	1118.7	1118.3	1129.4	1125.4
15°	1142.6	1158.1	1176.6	1194.0	1200.4	1200.4	1205.4
17.5°	1191.1	1219.6	1238.6	1252.3	1267.3	1269.9	1268.1
20°	1223.8	1254.6	1274.9	1292.7	1302.8	1305.7	1305.7
22.5°	1248.2	1274.4	1294.2	1310.2	1318.6	1321.9	1320.9
25°	1265.1	1287.6	1299.7	1304.4	1306.6	1305.9	1300.0
27.5°	1241.9	1241.0	1233.3	1218.7	1207.8	1201.1	1193.5
30°	1197.8	1181.3	1162.3	1141.3	1114.4	1093.7	1087.4
32.5°	1132.1	1095.0	1062.8	1027.9	998.9	978.3	969.6
35°	1004.9	946.2	898.4	856.5	826.1	807.0	800.6
37.5°	854.1	797.3	738.0	697.4	672.1	652.9	645.7
40°	758.1	696.3	644.6	606.5	580.5	561.8	561.5
42.5°	670.6	611.6	562.9	535.5	507.4	495.0	495.0
45°	549.1	501.8	460.6	439.0	422.2	412.1	409.2
47.5°	454.6	415.6	388.1	370.9	357.2	350.7	346.5
50°	401.6	367.4	345.4	330.5	322.9	314.7	314.1
52.5°	357.4	329.8	312.7	300.6	291.0	286.0	286.2
55°	300.4	278.5	266.4	257.2	249.6	245.8	244.3
57.5°	253.1	236.7	227.9	219.5	216.2	213.2	212.4
60°	223.6	212.5	204.3	197.6	192.9	191.9	191.6
62.5°	199.3	187.7	182.0	176.8	173.3	171.9	171.3
65°	164.3	155.7	150.7	146.6	145.3	143.1	142.8
67.5°	132.5	127.3	124.0	121.2	119.4	119.3	119.3
70°	112.9	110.1	107.2	105.7	104.7	104.0	104.0
72.5°	96.2	94.1	91.7	90.9	90.7	90.1	89.8
75°	73.3	71.1	71.3	69.8	68.5	66.9	66.0
77.5°	51.9	50.4	50.1	49.9	48.8	48.6	49.1
80°	40.3	38.7	38.4	38.7	38.4	37.4	37.4
82.5°	30.7	29.4	29.0	28.8	28.5	28.8	28.3
85°	16.5	15.9	15.9	15.9	16.5	16.1	15.9
87.5°	9.0	8.9	9.2	9.0	9.1	8.9	9.2
90°	15.7	16.6	17.0	17.4	17.6	17.9	18.2
92.5°	15.2	16.1	16.5	16.6	16.6	16.6	16.7
95°	15.7	16.6	17.0	17.1	17.3	17.4	17.5
97.5°	16.2	16.3	16.4	16.6	16.7	16.8	17.0
100°	19.7	17.4	16.4	16.6	16.7	16.8	17.0
102.5°	54.3	29.7	17.3	17.4	17.4	17.4	17.4
105°	192.4	193.6	191.8	187.0	182.1	177.3	172.5
107.5°	237.2	237.8	238.3	238.9	239.4	239.9	240.4
110°	267.7	268.0	268.3	268.7	269.1	269.5	269.9



TEST NUMBER: P333039-930

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	297.3	297.2	297.4	297.9	298.4	299.0	299.5
115°	342.1	342.4	342.5	342.5	342.5	342.5	342.5
117.5°	386.7	386.6	386.5	386.5	386.5	386.4	386.4
120°	414.7	415.0	415.0	414.7	414.5	414.3	413.9
122.5°	442.1	442.2	442.1	441.9	441.6	441.3	441.1
125°	480.5	480.9	481.2	481.4	481.4	481.6	481.8
127.5°	518.0	518.0	517.9	517.8	517.6	517.6	517.5
130°	541.4	541.6	541.6	541.6	541.6	541.6	541.6
132.5°	564.2	564.4	564.4	564.3	564.1	564.0	563.9
135°	595.7	596.0	596.2	596.5	596.8	597.0	597.3
137.5°	625.8	626.1	626.2	626.1	626.1	626.0	625.9
140°	644.5	644.9	645.2	645.3	645.5	645.6	645.7
142.5°	661.6	661.9	662.1	662.1	662.1	662.2	662.2
145°	686.1	686.2	686.4	686.6	687.0	687.2	687.5
147.5°	707.7	707.8	707.9	708.0	708.2	708.3	708.4
150°	721.4	721.4	721.5	721.6	721.7	721.9	721.9
152.5°	733.6	733.9	733.9	733.9	733.8	733.7	733.6
155°	750.2	750.7	750.8	750.4	750.0	749.6	749.3
157.5°	764.4	765.1	765.1	764.4	763.7	763.0	762.3
160°	773.4	774.2	774.2	773.4	772.7	771.8	771.0
162.5°	780.6	781.5	781.5	780.6	779.6	778.7	777.8
165°	791.2	792.2	792.2	791.0	789.8	788.6	787.3
167.5°	798.7	800.0	799.9	798.5	797.2	795.8	794.5
170°	803.3	804.4	804.2	802.9	801.5	800.2	798.8
172.5°	806.2	807.2	807.1	805.6	804.2	802.7	801.3
175°	809.8	811.0	810.7	809.1	807.6	805.9	804.3
177.5°	810.7	811.6	811.4	810.1	808.8	807.6	806.2
180°	809.1	809.1	809.1	809.1	809.1	809.1	809.1

(END OF REPORT)