

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: P332915-935

Luminaire Tested: **S124RDIP-S575D1035U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332915-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S575D1035U935-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5286.1 lumens
Efficiency: N/A
Efficacy: 118.8 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: Semi-Indirect

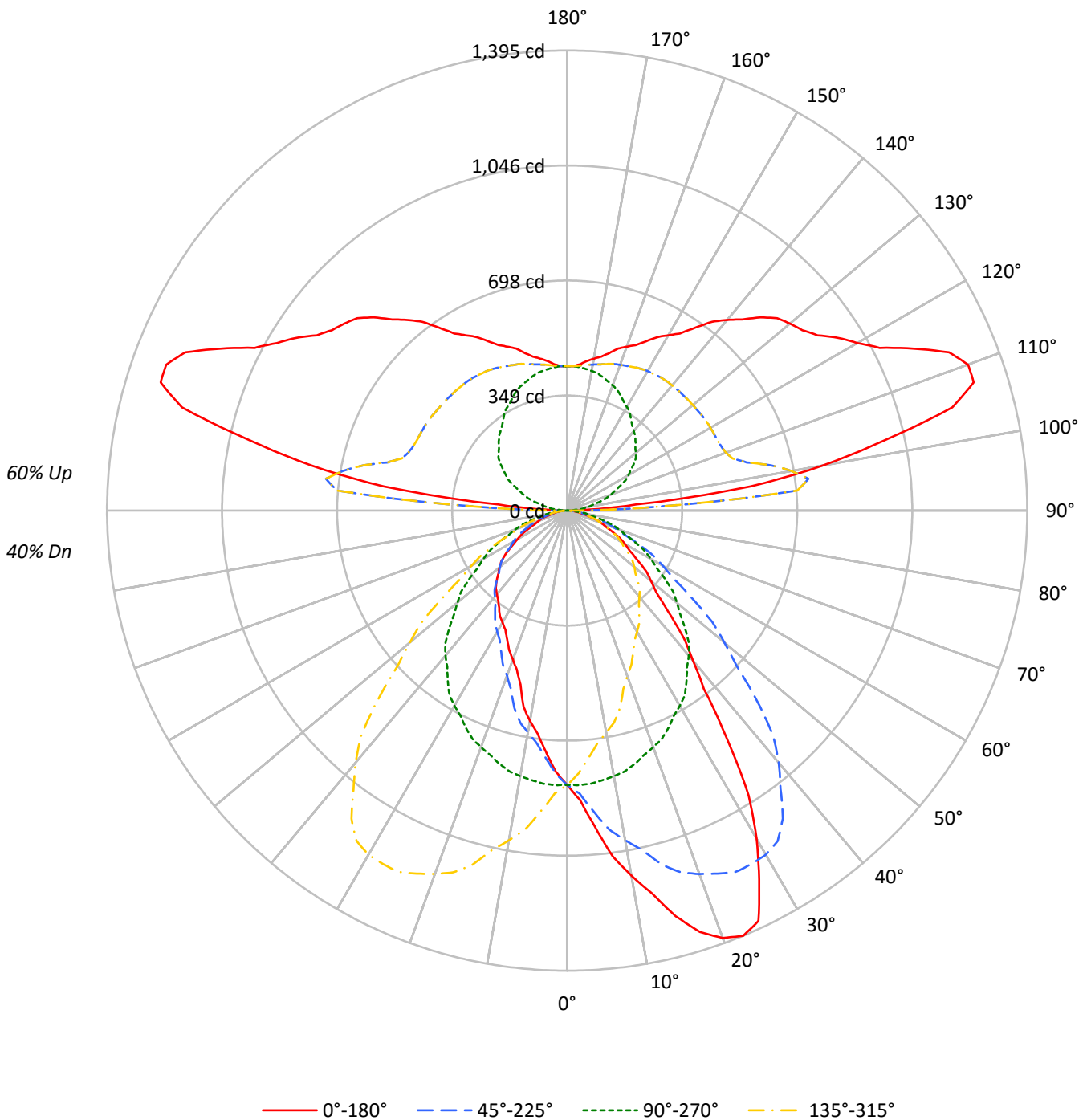
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	85	87	84	81	78	69	66	64	55	53	52	42	41	40	34
2	88	81	75	70	80	74	69	64	60	57	54	48	46	44	37	36	34	29
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	33	31	30	25
4	73	63	55	50	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19
6	62	50	43	37	56	46	40	35	39	33	30	31	28	25	25	22	20	17
7	57	46	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	29	48	38	31	27	32	27	23	26	22	20	21	18	16	14
9	50	38	30	26	45	35	28	24	29	24	21	24	20	18	19	17	15	12
10	46	35	28	23	42	32	26	21	27	22	19	22	19	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6713	6713	6713	6713
5°	7786	6733	5951	6733
10°	9211	6703	5311	6703
15°	10639	6641	4563	6641
20°	11846	6556	4127	6556
25°	12229	6472	3832	6472
30°	10705	6371	3653	6371
35°	8333	6220	3546	6220
40°	6249	6048	3488	6048
45°	4933	5771	3457	5771
50°	4166	5452	3357	5452
55°	3631	5102	3178	5102
60°	3266	4737	2813	4737
65°	2881	4346	2420	4346
70°	2594	3939	2183	3939
75°	2174	3490	1862	3490
80°	1836	2975	1743	2975
85°	1556	2325	1556	2325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.5
10°-20°	243.0	4.6
20°-30°	380.1	7.2
30°-40°	422.5	8.0
40°-50°	374.9	7.1
50°-60°	292.1	5.5
60°-70°	191.3	3.6
70°-80°	94.1	1.8
80°-90°	25.6	0.5
90°-100°	316.0	6.0
100°-110°	657.7	12.4
110°-120°	589.1	11.1
120°-130°	495.5	9.4
130°-140°	413.2	7.8
140°-150°	315.7	6.0
150°-160°	221.9	4.2
160°-170°	130.5	2.5
170°-180°	42.5	0.8
0°-30°	703.7	13.3
0°-40°	1126.2	21.3
0°-60°	1793.2	33.9
0°-90°	2104.2	39.8
90°-120°	1562.8	29.6
90°-150°	2787.1	52.7
90°-180°	3182.0	60.2
0°-180°	5286.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	832	832	832	832	832	
5°	961	831	734	831	961	97
15°	1273	795	546	795	1273	362
25°	1373	727	430	727	1373	609
35°	846	631	360	631	846	530
45°	432	506	303	506	432	342
55°	258	362	226	362	258	235
65°	151	228	127	228	151	152
75°	70	112	60	112	70	77
85°	17	25	17	25	17	19
90°	18	1	18	1	18	15
95°	210	28	210	28	210	325
105°	1209	101	1209	101	1209	1196
115°	1161	177	1161	177	1161	1153
125°	927	247	927	247	927	842
135°	829	293	829	293	829	640
145°	676	338	676	338	676	429
155°	566	384	566	384	566	264
165°	494	419	494	419	494	142
175°	445	437	445	437	445	43
180°	438	438	438	438	438	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	877.0	879.4	877.0	876.8	874.1	873.3	872.2	868.7	862.3	858.5	859.4
5°	960.8	969.1	964.5	963.8	956.4	949.1	944.3	933.7	922.2	914.6	908.2
7.5°	1057.7	1062.5	1059.5	1054.8	1042.9	1036.1	1025.3	1011.2	990.8	975.1	960.9
10°	1123.6	1127.6	1126.3	1117.6	1108.9	1091.1	1081.1	1061.3	1035.4	1015.0	995.9
12.5°	1188.4	1192.7	1180.9	1181.4	1164.8	1150.8	1134.9	1110.1	1080.2	1053.9	1030.0
15°	1273.0	1267.7	1267.7	1260.9	1242.5	1223.1	1206.7	1180.5	1143.0	1111.6	1078.4
17.5°	1339.2	1341.1	1338.3	1322.5	1308.0	1288.0	1257.8	1227.4	1192.5	1150.2	1116.4
20°	1378.9	1378.9	1375.9	1365.1	1346.3	1324.9	1292.4	1259.3	1215.0	1172.5	1134.3
22.5°	1394.9	1396.0	1392.5	1383.6	1366.8	1345.8	1318.2	1284.4	1238.9	1191.0	1143.7
25°	1372.9	1379.1	1379.8	1377.5	1372.5	1359.8	1336.0	1301.5	1260.6	1208.7	1157.8
27.5°	1260.4	1268.4	1275.5	1287.0	1302.4	1310.5	1311.6	1294.0	1258.4	1208.4	1157.2
30°	1148.4	1155.0	1176.8	1205.3	1227.4	1247.5	1265.0	1269.6	1249.6	1204.6	1150.7
32.5°	1024.0	1033.1	1054.9	1085.5	1122.4	1156.4	1195.6	1215.5	1215.0	1188.0	1138.2
35°	845.5	852.2	872.4	904.5	948.7	999.3	1061.3	1109.5	1142.4	1140.0	1109.5
37.5°	681.9	689.5	709.8	736.5	779.4	842.0	902.0	968.5	1029.2	1063.2	1053.0
40°	593.0	593.3	613.0	640.5	680.7	735.3	800.6	874.3	942.0	997.3	1008.0
42.5°	522.7	522.8	535.9	565.5	594.4	645.8	708.2	781.4	860.6	924.4	952.8
45°	432.1	435.1	445.9	463.6	486.4	529.9	579.9	647.9	736.7	812.4	859.6
47.5°	365.9	370.4	377.2	391.7	409.8	438.9	480.1	541.2	613.5	696.7	764.0
50°	331.7	332.3	341.0	349.0	364.8	388.0	424.1	475.0	541.4	621.4	696.1
52.5°	302.2	302.0	307.3	317.5	330.3	348.3	377.5	423.9	482.7	554.4	631.5
55°	258.0	259.6	263.6	271.6	281.4	294.1	317.3	352.1	398.3	459.6	529.6
57.5°	224.3	225.2	228.3	231.8	240.6	249.9	267.3	291.4	330.5	380.6	445.9
60°	202.3	202.7	203.7	208.7	215.8	224.5	236.2	256.6	289.5	335.4	386.9
62.5°	180.9	181.5	183.0	186.8	192.2	198.2	210.4	226.9	254.1	293.3	339.8
65°	150.8	151.1	153.4	154.8	159.1	164.5	173.5	184.6	203.4	236.2	271.4
67.5°	126.0	126.0	126.1	127.9	131.0	134.5	139.9	148.8	162.9	183.0	214.0
70°	109.9	109.9	110.6	111.6	113.2	116.2	119.2	126.0	136.4	152.7	176.5
72.5°	94.9	95.1	95.8	96.0	96.9	99.4	101.6	105.8	113.6	126.0	145.2
75°	69.7	70.7	72.3	73.7	75.3	75.1	77.4	80.1	82.4	89.8	100.8
77.5°	51.8	51.3	51.5	52.7	52.9	53.2	54.8	56.9	58.7	62.2	66.1
80°	39.5	39.5	40.6	40.9	40.6	40.9	42.5	43.6	44.3	45.5	49.2
82.5°	29.9	30.4	30.0	30.4	30.7	31.0	32.4	32.5	33.2	33.8	35.3
85°	16.8	17.0	17.4	16.8	16.8	16.8	17.4	17.7	18.4	18.1	18.8
87.5°	9.5	9.2	9.6	9.5	9.6	9.3	9.5	9.8	9.1	9.6	9.2
90°	18.1	18.1	18.9	18.1	17.2	17.2	16.4	15.5	14.6	15.5	13.8
92.5°	66.2	66.2	69.1	73.8	83.9	101.1	127.1	168.8	227.1	272.7	238.6
95°	209.7	220.9	236.3	263.0	305.1	388.5	503.7	636.9	720.3	700.5	528.7
97.5°	560.6	578.5	604.2	656.0	717.7	807.4	891.5	941.1	904.9	737.8	494.7
100°	788.2	795.0	820.9	873.3	948.0	1011.7	1053.8	1036.6	911.1	691.0	448.7
102.5°	986.3	991.8	1018.9	1056.9	1102.8	1129.3	1117.1	1031.8	859.5	632.7	417.8
105°	1209.4	1214.5	1226.6	1233.5	1231.7	1196.4	1111.4	962.7	765.9	563.9	391.1
107.5°	1292.3	1290.0	1281.4	1261.8	1219.3	1142.7	1022.9	864.5	690.2	525.4	386.2
110°	1293.7	1285.9	1270.4	1234.3	1173.3	1078.7	954.1	805.4	652.4	512.3	387.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1253.0	1240.5	1218.8	1175.2	1105.9	1011.3	893.5	762.1	631.1	506.1	391.8
115°	1161.2	1154.3	1126.9	1075.3	1007.4	924.9	824.3	718.6	611.1	502.8	399.7
117.5°	1068.2	1062.9	1035.1	991.8	933.8	863.8	784.8	697.2	602.2	502.0	408.1
120°	1016.0	1006.5	984.2	946.3	897.3	836.4	767.6	687.6	597.4	502.0	414.3
122.5°	974.7	965.3	946.3	914.0	872.6	819.2	756.6	679.4	591.9	501.3	420.5
125°	926.6	921.4	905.1	880.2	845.8	798.5	739.2	665.3	582.8	500.2	429.8
127.5°	898.4	893.2	879.5	857.3	822.8	777.9	718.8	648.1	570.6	498.3	437.1
130°	881.9	876.8	863.0	841.5	806.2	760.7	702.2	634.4	563.0	497.7	442.6
132.5°	863.3	858.2	845.1	820.9	786.4	740.7	683.7	619.9	556.1	497.0	447.5
135°	828.6	823.5	809.7	785.7	751.2	708.3	655.8	599.9	545.8	495.9	454.7
137.5°	785.7	779.5	768.1	744.3	712.2	673.4	629.2	581.9	536.8	495.8	459.0
140°	754.7	747.8	735.8	716.9	686.7	650.7	612.0	571.6	532.1	495.1	462.4
142.5°	721.7	716.9	706.2	688.6	662.0	630.8	597.5	562.0	528.0	495.1	465.2
145°	676.5	672.2	663.6	648.9	627.5	603.4	577.6	548.4	520.9	493.4	466.7
147.5°	636.4	634.9	628.4	615.8	599.9	581.1	560.4	537.2	514.5	490.3	467.6
150°	613.7	612.9	607.7	596.5	582.8	567.3	550.1	530.4	509.7	488.2	467.6
152.5°	593.1	592.2	589.1	580.1	568.3	555.6	539.8	522.8	504.2	484.7	466.2
155°	566.5	566.5	563.9	557.0	548.4	538.0	525.2	511.4	495.9	479.7	464.2
157.5°	543.0	543.0	541.5	536.3	529.9	521.6	510.7	499.2	487.5	474.3	461.9
160°	528.7	528.7	527.8	522.6	517.5	510.6	501.1	491.6	481.4	470.2	459.9
162.5°	514.9	515.6	514.7	509.5	505.8	499.6	492.1	484.1	475.9	466.1	457.8
165°	494.2	495.1	495.9	492.5	489.0	484.7	478.8	473.6	466.7	459.9	453.8
167.5°	477.9	478.6	478.8	476.6	474.8	472.3	467.4	463.5	458.5	453.7	449.7
170°	467.6	467.6	468.5	467.6	465.9	463.3	459.9	457.3	453.0	449.5	446.9
172.5°	457.3	458.7	459.5	458.7	457.6	455.7	453.7	451.8	448.2	445.4	444.2
175°	445.2	446.9	448.7	446.9	446.9	446.9	445.2	444.4	442.6	440.9	440.9
177.5°	438.2	439.5	440.9	440.2	440.9	440.2	440.2	439.5	438.9	438.2	438.2
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	856.7	852.9	851.0	846.7	841.6	839.0	836.5	833.1	828.5	823.7	820.2
5°	900.2	892.1	882.0	870.0	859.3	848.9	839.8	830.8	820.4	809.7	799.0
7.5°	944.8	928.9	911.9	892.1	872.9	855.4	839.3	823.9	806.5	790.8	776.6
10°	975.9	954.4	930.7	905.5	880.4	858.6	837.2	817.7	796.3	777.2	761.1
12.5°	1001.1	975.9	947.3	915.9	885.7	859.4	834.7	809.4	785.1	764.3	742.9
15°	1042.8	1008.3	969.8	932.3	893.1	857.3	824.1	794.6	766.8	737.7	717.2
17.5°	1071.6	1030.6	983.9	938.7	892.4	850.2	811.9	776.8	744.7	715.0	690.6
20°	1088.7	1043.5	991.6	940.3	888.4	843.2	802.0	763.1	730.0	697.8	672.7
22.5°	1098.4	1048.4	991.6	937.9	884.2	835.2	790.0	749.5	713.3	681.2	653.4
25°	1101.5	1047.8	989.9	928.2	869.4	817.4	770.5	726.6	686.4	654.3	624.7
27.5°	1097.2	1034.1	974.7	911.5	850.7	795.9	746.7	700.5	660.3	625.8	595.6
30°	1090.7	1023.1	959.4	893.8	832.2	779.5	727.6	683.4	641.5	605.7	575.2
32.5°	1076.9	1009.7	941.2	873.9	811.5	757.3	708.1	663.6	622.5	585.8	553.5
35°	1049.2	981.2	906.8	837.8	776.5	720.2	674.0	631.1	591.9	552.8	518.6
37.5°	1012.8	943.4	869.4	793.8	732.5	679.3	636.9	596.7	558.4	522.6	484.7
40°	978.5	915.2	838.9	763.8	700.9	649.5	610.4	573.9	535.4	499.8	461.9
42.5°	937.0	883.0	805.9	730.6	668.4	619.0	582.5	546.8	511.8	477.3	437.8
45°	867.6	826.8	754.4	682.1	619.4	570.5	537.0	505.5	474.7	441.9	404.7
47.5°	788.2	760.5	698.1	624.0	566.0	522.0	489.7	463.9	437.8	405.0	372.4
50°	733.0	715.2	655.0	587.3	532.0	491.5	458.3	434.1	412.4	380.9	351.7
52.5°	674.0	664.6	613.6	548.9	495.5	455.8	427.5	405.8	383.7	357.6	330.3
55°	584.3	589.3	546.0	490.1	439.9	406.4	380.6	362.5	343.7	321.6	300.5
57.5°	492.4	510.8	481.8	432.7	385.6	354.6	335.2	319.9	304.3	285.9	267.9
60°	437.5	452.9	436.5	393.3	352.1	323.3	305.2	293.4	277.7	261.0	247.2
62.5°	383.9	400.4	390.6	355.8	317.5	292.7	276.8	265.9	254.2	239.5	225.2
65°	316.6	327.3	322.6	298.5	271.4	250.2	235.5	227.5	216.7	206.0	193.3
67.5°	242.5	263.2	260.5	247.6	224.2	207.7	198.0	191.0	181.2	173.2	164.5
70°	199.3	218.4	218.1	207.7	194.9	179.5	172.9	166.9	158.1	150.4	143.4
72.5°	163.2	180.6	183.2	175.3	166.6	154.9	148.4	144.3	135.9	130.6	124.8
75°	114.3	127.0	130.4	130.4	126.3	120.3	114.6	111.9	105.8	101.2	97.8
77.5°	74.9	82.9	88.2	89.4	90.0	88.0	83.3	81.4	76.8	75.1	71.9
80°	53.0	58.3	64.3	66.3	68.0	67.3	65.3	64.0	59.7	57.9	56.7
82.5°	36.6	39.5	44.5	48.9	48.5	50.2	48.5	47.4	44.1	43.5	42.1
85°	19.1	19.5	20.1	23.1	24.8	25.5	25.8	25.1	24.1	24.1	21.8
87.5°	8.9	8.6	8.1	8.1	8.2	9.0	9.4	9.3	8.8	8.5	7.9
90°	12.1	12.1	6.9	6.9	6.0	5.2	2.6	0.9	2.6	5.2	6.0
92.5°	173.7	106.9	63.3	45.4	32.8	22.4	14.3	9.8	14.3	22.4	32.8
95°	323.2	182.2	107.5	71.4	50.7	39.5	30.9	28.3	30.9	39.5	50.7
97.5°	290.5	174.2	116.6	86.3	68.6	58.3	50.9	50.9	50.9	58.3	68.6
100°	273.4	176.2	125.5	98.0	81.6	71.4	65.3	65.3	65.3	71.4	81.6
102.5°	268.5	183.0	137.2	111.1	95.4	85.8	80.4	79.0	80.4	85.8	95.4
105°	270.8	199.4	158.2	133.2	117.8	107.5	103.1	100.6	103.1	107.5	117.8
107.5°	283.4	218.5	180.6	156.1	141.3	130.3	126.1	124.3	126.1	130.3	141.3
110°	293.1	232.9	195.1	171.9	156.4	146.1	141.8	140.1	141.8	146.1	156.4



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	303.4	246.7	210.3	187.0	171.6	162.0	157.0	155.2	157.0	162.0	171.6
115°	319.8	268.2	233.8	210.6	194.2	185.6	179.6	177.1	179.6	185.6	194.2
117.5°	336.4	289.0	256.3	232.2	217.0	207.5	202.2	199.8	202.2	207.5	217.0
120°	348.1	303.4	270.8	246.7	232.0	222.7	216.6	214.9	216.6	222.7	232.0
122.5°	359.1	317.2	284.5	261.1	245.1	236.3	230.3	228.7	230.3	236.3	245.1
125°	375.7	336.0	305.1	281.0	264.8	255.3	250.1	246.7	250.1	255.3	264.8
127.5°	389.9	353.6	323.7	299.5	282.4	271.6	265.4	262.7	265.4	271.6	282.4
130°	398.8	365.3	336.0	311.2	294.8	281.9	275.1	271.6	275.1	281.9	294.8
132.5°	407.8	375.0	345.7	322.2	304.4	292.2	283.3	280.5	283.3	292.2	304.4
135°	419.5	388.5	360.2	337.8	319.8	305.1	296.5	293.1	296.5	305.1	319.8
137.5°	427.7	398.8	372.4	351.0	332.3	318.4	308.9	305.7	308.9	318.4	332.3
140°	433.2	405.7	380.0	359.3	341.2	326.7	317.2	314.6	317.2	326.7	341.2
142.5°	437.3	411.9	386.8	366.9	349.5	335.5	326.8	324.3	326.8	335.5	349.5
145°	441.8	418.6	396.2	377.4	361.0	349.0	340.4	337.8	340.4	349.0	361.0
147.5°	445.7	425.5	404.5	387.4	373.9	361.5	354.0	353.1	354.0	361.5	373.9
150°	447.8	429.0	410.0	393.6	380.8	370.5	363.6	362.7	363.6	370.5	380.8
152.5°	449.2	431.7	414.8	399.8	388.3	378.8	371.9	371.7	371.9	378.8	388.3
155°	450.4	435.8	421.2	408.3	398.8	390.2	385.0	384.2	385.0	390.2	398.8
157.5°	450.4	438.7	426.4	416.2	407.9	401.2	396.4	396.4	396.4	401.2	407.9
160°	450.4	440.1	429.8	420.3	413.5	407.4	404.0	404.0	404.0	407.4	413.5
162.5°	450.4	441.4	431.9	424.5	418.3	412.9	410.2	410.9	410.2	412.9	418.3
165°	448.7	441.8	434.0	429.0	424.6	420.3	418.6	418.6	418.6	420.3	424.6
167.5°	446.6	441.6	435.9	432.0	429.6	426.4	425.5	426.4	425.5	426.4	429.6
170°	445.2	440.9	436.6	434.0	432.4	429.8	429.0	429.8	429.0	429.8	432.4
172.5°	443.8	440.2	437.3	435.4	434.4	432.5	432.4	433.2	432.4	432.5	434.4
175°	441.8	439.2	437.5	437.5	436.6	435.8	435.8	436.6	435.8	435.8	436.6
177.5°	439.5	438.2	437.5	437.5	437.5	436.8	437.5	438.2	437.5	436.8	437.5
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	816.5	813.8	810.3	806.2	801.4	797.2	795.3	796.9	797.7	795.6	795.3
5°	791.6	783.3	776.5	766.5	758.5	751.7	747.0	745.0	745.7	740.4	739.0
7.5°	763.6	753.7	742.8	730.8	719.7	709.9	704.7	701.9	696.2	693.8	689.7
10°	745.7	732.3	721.6	707.5	694.8	683.0	677.3	672.7	667.0	664.3	658.6
12.5°	727.2	711.7	699.9	685.3	672.3	658.1	652.7	644.0	635.1	629.5	622.2
15°	701.1	682.4	668.0	650.6	635.2	619.1	604.7	588.6	582.6	569.8	562.5
17.5°	670.6	651.6	633.8	610.4	586.7	566.7	551.3	536.0	526.7	518.6	514.8
20°	650.6	633.2	608.4	581.3	554.7	532.6	520.2	510.2	500.2	494.5	490.4
22.5°	631.5	609.3	580.5	551.2	524.8	507.5	497.0	486.6	478.5	473.0	467.7
25°	599.7	570.5	540.0	506.5	488.4	473.4	461.9	453.6	448.6	441.5	438.9
27.5°	566.9	531.6	497.9	475.4	456.6	442.8	432.9	426.6	420.3	415.7	412.2
30°	541.7	505.8	475.7	454.3	435.1	423.8	415.7	408.4	403.4	399.7	397.0
32.5°	516.8	481.0	455.6	432.6	417.5	406.4	397.8	392.3	388.3	383.6	381.9
35°	480.7	448.9	426.8	406.0	390.6	380.6	373.8	368.2	364.8	363.5	362.5
37.5°	446.1	420.0	396.2	379.2	365.5	357.6	349.7	346.9	344.6	342.2	343.3
40°	424.1	399.7	378.6	360.5	349.4	340.7	336.0	332.7	330.6	330.6	330.6
42.5°	405.1	381.2	360.6	344.4	333.3	326.0	320.7	317.9	317.3	316.9	318.6
45°	375.6	353.4	332.7	319.3	309.9	302.5	299.5	297.1	297.1	298.5	298.9
47.5°	346.3	325.5	308.8	293.9	285.2	280.7	278.0	276.8	277.0	278.3	279.8
50°	328.3	307.9	291.4	278.0	270.0	265.6	263.3	262.6	263.3	263.3	265.6
52.5°	308.8	290.4	274.3	263.0	253.9	249.9	248.6	247.6	248.1	249.1	250.1
55°	280.1	263.6	248.2	237.5	230.8	228.2	225.2	225.5	224.8	225.5	225.5
57.5°	251.3	236.6	222.2	213.7	207.8	204.0	200.7	201.6	200.6	200.4	199.9
60°	232.8	216.7	205.3	197.7	191.0	187.6	184.6	185.3	184.3	183.6	182.3
62.5°	212.8	199.3	188.5	181.1	175.6	171.8	168.8	168.1	165.7	163.5	160.5
65°	183.6	172.5	162.8	155.8	150.8	147.7	145.4	143.4	138.4	133.0	130.4
67.5°	155.2	147.2	138.2	132.2	128.2	124.2	119.8	116.3	111.6	108.7	107.0
70°	137.0	129.3	121.6	115.9	111.6	107.9	102.8	100.5	97.1	95.8	94.1
72.5°	119.6	112.4	105.2	100.1	95.5	92.6	88.7	86.3	84.8	84.3	82.6
75°	93.2	87.5	82.1	77.4	73.7	71.7	70.0	68.4	67.7	64.7	62.9
77.5°	67.9	64.1	60.9	57.5	54.8	53.6	50.3	48.4	47.3	45.8	45.5
80°	53.0	50.3	46.9	44.9	41.2	39.9	38.5	38.2	37.9	37.5	37.2
82.5°	39.8	37.1	33.8	32.5	31.6	30.7	30.0	29.6	29.3	29.4	29.4
85°	20.1	18.8	18.8	18.4	18.1	17.7	17.4	17.4	17.0	17.4	17.0
87.5°	8.1	7.8	8.9	8.3	9.0	9.3	8.8	9.0	9.5	9.0	9.0
90°	6.9	6.9	12.1	12.1	13.8	15.5	14.6	15.5	16.4	17.2	17.2
92.5°	45.4	63.3	106.9	173.7	238.6	272.7	227.1	168.8	127.1	101.1	83.9
95°	71.4	107.5	182.2	323.2	528.7	700.5	720.3	636.9	503.7	388.5	305.1
97.5°	86.3	116.6	174.2	290.5	494.7	737.8	904.9	941.1	891.5	807.4	717.7
100°	98.0	125.5	176.2	273.4	448.7	691.0	911.1	1036.6	1053.8	1011.7	948.0
102.5°	111.1	137.2	183.0	268.5	417.8	632.7	859.5	1031.8	1117.1	1129.3	1102.8
105°	133.2	158.2	199.4	270.8	391.1	563.9	765.9	962.7	1111.4	1196.4	1231.7
107.5°	156.1	180.6	218.5	283.4	386.2	525.4	690.2	864.5	1022.9	1142.7	1219.3
110°	171.9	195.1	232.9	293.1	387.6	512.3	652.4	805.4	954.1	1078.7	1173.3



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	187.0	210.3	246.7	303.4	391.8	506.1	631.1	762.1	893.5	1011.3	1105.9
115°	210.6	233.8	268.2	319.8	399.7	502.8	611.1	718.6	824.3	924.9	1007.4
117.5°	232.2	256.3	289.0	336.4	408.1	502.0	602.2	697.2	784.8	863.8	933.8
120°	246.7	270.8	303.4	348.1	414.3	502.0	597.4	687.6	767.6	836.4	897.3
122.5°	261.1	284.5	317.2	359.1	420.5	501.3	591.9	679.4	756.6	819.2	872.6
125°	281.0	305.1	336.0	375.7	429.8	500.2	582.8	665.3	739.2	798.5	845.8
127.5°	299.5	323.7	353.6	389.9	437.1	498.3	570.6	648.1	718.8	777.9	822.8
130°	311.2	336.0	365.3	398.8	442.6	497.7	563.0	634.4	702.2	760.7	806.2
132.5°	322.2	345.7	375.0	407.8	447.5	497.0	556.1	619.9	683.7	740.7	786.4
135°	337.8	360.2	388.5	419.5	454.7	495.9	545.8	599.9	655.8	708.3	751.2
137.5°	351.0	372.4	398.8	427.7	459.0	495.8	536.8	581.9	629.2	673.4	712.2
140°	359.3	380.0	405.7	433.2	462.4	495.1	532.1	571.6	612.0	650.7	686.7
142.5°	366.9	386.8	411.9	437.3	465.2	495.1	528.0	562.0	597.5	630.8	662.0
145°	377.4	396.2	418.6	441.8	466.7	493.4	520.9	548.4	577.6	603.4	627.5
147.5°	387.4	404.5	425.5	445.7	467.6	490.3	514.5	537.2	560.4	581.1	599.9
150°	393.6	410.0	429.0	447.8	467.6	488.2	509.7	530.4	550.1	567.3	582.8
152.5°	399.8	414.8	431.7	449.2	466.2	484.7	504.2	522.8	539.8	555.6	568.3
155°	408.3	421.2	435.8	450.4	464.2	479.7	495.9	511.4	525.2	538.0	548.4
157.5°	416.2	426.4	438.7	450.4	461.9	474.3	487.5	499.2	510.7	521.6	529.9
160°	420.3	429.8	440.1	450.4	459.9	470.2	481.4	491.6	501.1	510.6	517.5
162.5°	424.5	431.9	441.4	450.4	457.8	466.1	475.9	484.1	492.1	499.6	505.8
165°	429.0	434.0	441.8	448.7	453.8	459.9	466.7	473.6	478.8	484.7	489.0
167.5°	432.0	435.9	441.6	446.6	449.7	453.7	458.5	463.5	467.4	472.3	474.8
170°	434.0	436.6	440.9	445.2	446.9	449.5	453.0	457.3	459.9	463.3	465.9
172.5°	435.4	437.3	440.2	443.8	444.2	445.4	448.2	451.8	453.7	455.7	457.6
175°	437.5	437.5	439.2	441.8	440.9	440.9	442.6	444.4	445.2	446.9	446.9
177.5°	437.5	437.5	438.2	439.5	438.2	438.2	438.9	439.5	440.2	440.2	440.9
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	793.7	794.2	792.4	791.8	792.4	794.2	793.7	795.3	795.6	797.7	796.9
5°	736.3	735.6	734.0	734.3	734.0	735.6	736.3	739.0	740.4	745.7	745.0
7.5°	687.3	684.7	685.4	682.7	685.4	684.7	687.3	689.7	693.8	696.2	701.9
10°	657.3	653.6	650.6	647.9	650.6	653.6	657.3	658.6	664.3	667.0	672.7
12.5°	616.3	613.1	609.0	609.8	609.0	613.1	616.3	622.2	629.5	635.1	644.0
15°	558.1	553.1	545.0	546.0	545.0	553.1	558.1	562.5	569.8	582.6	588.6
17.5°	508.9	508.9	505.2	506.1	505.2	508.9	508.9	514.8	518.6	526.7	536.0
20°	483.4	481.0	481.4	480.4	481.4	481.0	483.4	490.4	494.5	500.2	510.2
22.5°	465.7	462.9	460.5	458.4	460.5	462.9	465.7	467.7	473.0	478.5	486.6
25°	435.8	433.9	430.8	430.2	430.8	433.9	435.8	438.9	441.5	448.6	453.6
27.5°	409.6	409.1	407.9	406.4	407.9	409.1	409.6	412.2	415.7	420.3	426.6
30°	394.3	393.6	393.0	391.9	393.0	393.6	394.3	397.0	399.7	403.4	408.4
32.5°	380.6	380.2	379.5	379.6	379.5	380.2	380.6	381.9	383.6	388.3	392.3
35°	361.1	360.8	360.2	359.8	360.2	360.8	361.1	362.5	363.5	364.8	368.2
37.5°	342.9	343.8	343.4	343.3	343.4	343.8	342.9	343.3	342.2	344.6	346.9
40°	330.3	330.6	331.3	331.0	331.3	330.6	330.3	330.6	330.6	330.6	332.7
42.5°	319.9	319.9	320.9	319.7	320.9	319.9	319.9	318.6	316.9	317.3	317.9
45°	301.2	303.2	302.8	302.8	302.8	303.2	301.2	298.9	298.5	297.1	297.1
47.5°	280.7	282.5	282.9	282.8	282.9	282.5	280.7	279.8	278.3	277.0	276.8
50°	267.3	266.7	267.7	267.3	267.7	266.7	267.3	265.6	263.3	263.3	262.6
52.5°	251.0	251.2	251.1	250.7	251.1	251.2	251.0	250.1	249.1	248.1	247.6
55°	225.8	226.1	225.5	225.8	225.5	226.1	225.8	225.5	225.5	224.8	225.5
57.5°	198.5	196.8	197.5	196.7	197.5	196.8	198.5	199.9	200.4	200.6	201.6
60°	178.9	176.2	175.6	174.2	175.6	176.2	178.9	182.3	183.6	184.3	185.3
62.5°	156.9	155.1	152.7	153.9	152.7	155.1	156.9	160.5	163.5	165.7	168.1
65°	127.6	126.3	125.3	126.7	125.3	126.3	127.6	130.4	133.0	138.4	143.4
67.5°	105.6	105.0	105.0	104.3	105.0	105.0	105.6	107.0	108.7	111.6	116.3
70°	94.1	93.2	93.2	92.5	93.2	93.2	94.1	94.1	95.8	97.1	100.5
72.5°	82.3	81.4	81.6	81.2	81.6	81.4	82.3	82.6	84.3	84.8	86.3
75°	61.0	59.3	59.3	59.7	59.3	59.3	61.0	62.9	64.7	67.7	68.4
77.5°	45.5	45.1	45.6	45.0	45.6	45.1	45.5	45.5	45.8	47.3	48.4
80°	37.2	36.9	36.5	37.5	36.5	36.9	37.2	37.2	37.5	37.9	38.2
82.5°	28.8	28.8	28.8	30.0	28.8	28.8	28.8	29.4	29.4	29.3	29.6
85°	17.4	16.8	17.4	16.8	17.4	16.8	17.4	17.0	17.4	17.0	17.4
87.5°	9.8	9.6	9.2	9.5	9.2	9.6	9.8	9.0	9.0	9.5	9.0
90°	18.1	18.9	18.1	18.1	18.1	18.9	18.1	17.2	17.2	16.4	15.5
92.5°	73.8	69.1	66.2	66.2	66.2	69.1	73.8	83.9	101.1	127.1	168.8
95°	263.0	236.3	220.9	209.7	220.9	236.3	263.0	305.1	388.5	503.7	636.9
97.5°	656.0	604.2	578.5	560.6	578.5	604.2	656.0	717.7	807.4	891.5	941.1
100°	873.3	820.9	795.0	788.2	795.0	820.9	873.3	948.0	1011.7	1053.8	1036.6
102.5°	1056.9	1018.9	991.8	986.3	991.8	1018.9	1056.9	1102.8	1129.3	1117.1	1031.8
105°	1233.5	1226.6	1214.5	1209.4	1214.5	1226.6	1233.5	1231.7	1196.4	1111.4	962.7
107.5°	1261.8	1281.4	1290.0	1292.3	1290.0	1281.4	1261.8	1219.3	1142.7	1022.9	864.5
110°	1234.3	1270.4	1285.9	1293.7	1285.9	1270.4	1234.3	1173.3	1078.7	954.1	805.4



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1175.2	1218.8	1240.5	1253.0	1240.5	1218.8	1175.2	1105.9	1011.3	893.5	762.1
115°	1075.3	1126.9	1154.3	1161.2	1154.3	1126.9	1075.3	1007.4	924.9	824.3	718.6
117.5°	991.8	1035.1	1062.9	1068.2	1062.9	1035.1	991.8	933.8	863.8	784.8	697.2
120°	946.3	984.2	1006.5	1016.0	1006.5	984.2	946.3	897.3	836.4	767.6	687.6
122.5°	914.0	946.3	965.3	974.7	965.3	946.3	914.0	872.6	819.2	756.6	679.4
125°	880.2	905.1	921.4	926.6	921.4	905.1	880.2	845.8	798.5	739.2	665.3
127.5°	857.3	879.5	893.2	898.4	893.2	879.5	857.3	822.8	777.9	718.8	648.1
130°	841.5	863.0	876.8	881.9	876.8	863.0	841.5	806.2	760.7	702.2	634.4
132.5°	820.9	845.1	858.2	863.3	858.2	845.1	820.9	786.4	740.7	683.7	619.9
135°	785.7	809.7	823.5	828.6	823.5	809.7	785.7	751.2	708.3	655.8	599.9
137.5°	744.3	768.1	779.5	785.7	779.5	768.1	744.3	712.2	673.4	629.2	581.9
140°	716.9	735.8	747.8	754.7	747.8	735.8	716.9	686.7	650.7	612.0	571.6
142.5°	688.6	706.2	716.9	721.7	716.9	706.2	688.6	662.0	630.8	597.5	562.0
145°	648.9	663.6	672.2	676.5	672.2	663.6	648.9	627.5	603.4	577.6	548.4
147.5°	615.8	628.4	634.9	636.4	634.9	628.4	615.8	599.9	581.1	560.4	537.2
150°	596.5	607.7	612.9	613.7	612.9	607.7	596.5	582.8	567.3	550.1	530.4
152.5°	580.1	589.1	592.2	593.1	592.2	589.1	580.1	568.3	555.6	539.8	522.8
155°	557.0	563.9	566.5	566.5	566.5	563.9	557.0	548.4	538.0	525.2	511.4
157.5°	536.3	541.5	543.0	543.0	543.0	541.5	536.3	529.9	521.6	510.7	499.2
160°	522.6	527.8	528.7	528.7	528.7	527.8	522.6	517.5	510.6	501.1	491.6
162.5°	509.5	514.7	515.6	514.9	515.6	514.7	509.5	505.8	499.6	492.1	484.1
165°	492.5	495.9	495.1	494.2	495.1	495.9	492.5	489.0	484.7	478.8	473.6
167.5°	476.6	478.8	478.6	477.9	478.6	478.8	476.6	474.8	472.3	467.4	463.5
170°	467.6	468.5	467.6	467.6	467.6	468.5	467.6	465.9	463.3	459.9	457.3
172.5°	458.7	459.5	458.7	457.3	458.7	459.5	458.7	457.6	455.7	453.7	451.8
175°	446.9	448.7	446.9	445.2	446.9	448.7	446.9	446.9	446.9	445.2	444.4
177.5°	440.2	440.9	439.5	438.2	439.5	440.9	440.2	440.9	440.2	440.2	439.5
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	795.3	797.2	801.4	806.2	810.3	813.8	816.5	820.2	823.7	828.5	833.1
5°	747.0	751.7	758.5	766.5	776.5	783.3	791.6	799.0	809.7	820.4	830.8
7.5°	704.7	709.9	719.7	730.8	742.8	753.7	763.6	776.6	790.8	806.5	823.9
10°	677.3	683.0	694.8	707.5	721.6	732.3	745.7	761.1	777.2	796.3	817.7
12.5°	652.7	658.1	672.3	685.3	699.9	711.7	727.2	742.9	764.3	785.1	809.4
15°	604.7	619.1	635.2	650.6	668.0	682.4	701.1	717.2	737.7	766.8	794.6
17.5°	551.3	566.7	586.7	610.4	633.8	651.6	670.6	690.6	715.0	744.7	776.8
20°	520.2	532.6	554.7	581.3	608.4	633.2	650.6	672.7	697.8	730.0	763.1
22.5°	497.0	507.5	524.8	551.2	580.5	609.3	631.5	653.4	681.2	713.3	749.5
25°	461.9	473.4	488.4	506.5	540.0	570.5	599.7	624.7	654.3	686.4	726.6
27.5°	432.9	442.8	456.6	475.4	497.9	531.6	566.9	595.6	625.8	660.3	700.5
30°	415.7	423.8	435.1	454.3	475.7	505.8	541.7	575.2	605.7	641.5	683.4
32.5°	397.8	406.4	417.5	432.6	455.6	481.0	516.8	553.5	585.8	622.5	663.6
35°	373.8	380.6	390.6	406.0	426.8	448.9	480.7	518.6	552.8	591.9	631.1
37.5°	349.7	357.6	365.5	379.2	396.2	420.0	446.1	484.7	522.6	558.4	596.7
40°	336.0	340.7	349.4	360.5	378.6	399.7	424.1	461.9	499.8	535.4	573.9
42.5°	320.7	326.0	333.3	344.4	360.6	381.2	405.1	437.8	477.3	511.8	546.8
45°	299.5	302.5	309.9	319.3	332.7	353.4	375.6	404.7	441.9	474.7	505.5
47.5°	278.0	280.7	285.2	293.9	308.8	325.5	346.3	372.4	405.0	437.8	463.9
50°	263.3	265.6	270.0	278.0	291.4	307.9	328.3	351.7	380.9	412.4	434.1
52.5°	248.6	249.9	253.9	263.0	274.3	290.4	308.8	330.3	357.6	383.7	405.8
55°	225.2	228.2	230.8	237.5	248.2	263.6	280.1	300.5	321.6	343.7	362.5
57.5°	200.7	204.0	207.8	213.7	222.2	236.6	251.3	267.9	285.9	304.3	319.9
60°	184.6	187.6	191.0	197.7	205.3	216.7	232.8	247.2	261.0	277.7	293.4
62.5°	168.8	171.8	175.6	181.1	188.5	199.3	212.8	225.2	239.5	254.2	265.9
65°	145.4	147.7	150.8	155.8	162.8	172.5	183.6	193.3	206.0	216.7	227.5
67.5°	119.8	124.2	128.2	132.2	138.2	147.2	155.2	164.5	173.2	181.2	191.0
70°	102.8	107.9	111.6	115.9	121.6	129.3	137.0	143.4	150.4	158.1	166.9
72.5°	88.7	92.6	95.5	100.1	105.2	112.4	119.6	124.8	130.6	135.9	144.3
75°	70.0	71.7	73.7	77.4	82.1	87.5	93.2	97.8	101.2	105.8	111.9
77.5°	50.3	53.6	54.8	57.5	60.9	64.1	67.9	71.9	75.1	76.8	81.4
80°	38.5	39.9	41.2	44.9	46.9	50.3	53.0	56.7	57.9	59.7	64.0
82.5°	30.0	30.7	31.6	32.5	33.8	37.1	39.8	42.1	43.5	44.1	47.4
85°	17.4	17.7	18.1	18.4	18.8	18.8	20.1	21.8	24.1	24.1	25.1
87.5°	8.8	9.3	9.0	8.3	8.9	7.8	8.1	7.9	8.5	8.8	9.3
90°	14.6	15.5	13.8	12.1	12.1	6.9	6.9	6.0	5.2	2.6	0.9
92.5°	227.1	272.7	238.6	173.7	106.9	63.3	45.4	32.8	22.4	14.3	9.8
95°	720.3	700.5	528.7	323.2	182.2	107.5	71.4	50.7	39.5	30.9	28.3
97.5°	904.9	737.8	494.7	290.5	174.2	116.6	86.3	68.6	58.3	50.9	50.9
100°	911.1	691.0	448.7	273.4	176.2	125.5	98.0	81.6	71.4	65.3	65.3
102.5°	859.5	632.7	417.8	268.5	183.0	137.2	111.1	95.4	85.8	80.4	79.0
105°	765.9	563.9	391.1	270.8	199.4	158.2	133.2	117.8	107.5	103.1	100.6
107.5°	690.2	525.4	386.2	283.4	218.5	180.6	156.1	141.3	130.3	126.1	124.3
110°	652.4	512.3	387.6	293.1	232.9	195.1	171.9	156.4	146.1	141.8	140.1



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	631.1	506.1	391.8	303.4	246.7	210.3	187.0	171.6	162.0	157.0	155.2
115°	611.1	502.8	399.7	319.8	268.2	233.8	210.6	194.2	185.6	179.6	177.1
117.5°	602.2	502.0	408.1	336.4	289.0	256.3	232.2	217.0	207.5	202.2	199.8
120°	597.4	502.0	414.3	348.1	303.4	270.8	246.7	232.0	222.7	216.6	214.9
122.5°	591.9	501.3	420.5	359.1	317.2	284.5	261.1	245.1	236.3	230.3	228.7
125°	582.8	500.2	429.8	375.7	336.0	305.1	281.0	264.8	255.3	250.1	246.7
127.5°	570.6	498.3	437.1	389.9	353.6	323.7	299.5	282.4	271.6	265.4	262.7
130°	563.0	497.7	442.6	398.8	365.3	336.0	311.2	294.8	281.9	275.1	271.6
132.5°	556.1	497.0	447.5	407.8	375.0	345.7	322.2	304.4	292.2	283.3	280.5
135°	545.8	495.9	454.7	419.5	388.5	360.2	337.8	319.8	305.1	296.5	293.1
137.5°	536.8	495.8	459.0	427.7	398.8	372.4	351.0	332.3	318.4	308.9	305.7
140°	532.1	495.1	462.4	433.2	405.7	380.0	359.3	341.2	326.7	317.2	314.6
142.5°	528.0	495.1	465.2	437.3	411.9	386.8	366.9	349.5	335.5	326.8	324.3
145°	520.9	493.4	466.7	441.8	418.6	396.2	377.4	361.0	349.0	340.4	337.8
147.5°	514.5	490.3	467.6	445.7	425.5	404.5	387.4	373.9	361.5	354.0	353.1
150°	509.7	488.2	467.6	447.8	429.0	410.0	393.6	380.8	370.5	363.6	362.7
152.5°	504.2	484.7	466.2	449.2	431.7	414.8	399.8	388.3	378.8	371.9	371.7
155°	495.9	479.7	464.2	450.4	435.8	421.2	408.3	398.8	390.2	385.0	384.2
157.5°	487.5	474.3	461.9	450.4	438.7	426.4	416.2	407.9	401.2	396.4	396.4
160°	481.4	470.2	459.9	450.4	440.1	429.8	420.3	413.5	407.4	404.0	404.0
162.5°	475.9	466.1	457.8	450.4	441.4	431.9	424.5	418.3	412.9	410.2	410.9
165°	466.7	459.9	453.8	448.7	441.8	434.0	429.0	424.6	420.3	418.6	418.6
167.5°	458.5	453.7	449.7	446.6	441.6	435.9	432.0	429.6	426.4	425.5	426.4
170°	453.0	449.5	446.9	445.2	440.9	436.6	434.0	432.4	429.8	429.0	429.8
172.5°	448.2	445.4	444.2	443.8	440.2	437.3	435.4	434.4	432.5	432.4	433.2
175°	442.6	440.9	440.9	441.8	439.2	437.5	437.5	436.6	435.8	435.8	436.6
177.5°	438.9	438.2	438.2	439.5	438.2	437.5	437.5	437.5	436.8	437.5	438.2
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	836.5	839.0	841.6	846.7	851.0	852.9	856.7	859.4	858.5	862.3	868.7
5°	839.8	848.9	859.3	870.0	882.0	892.1	900.2	908.2	914.6	922.2	933.7
7.5°	839.3	855.4	872.9	892.1	911.9	928.9	944.8	960.9	975.1	990.8	1011.2
10°	837.2	858.6	880.4	905.5	930.7	954.4	975.9	995.9	1015.0	1035.4	1061.3
12.5°	834.7	859.4	885.7	915.9	947.3	975.9	1001.1	1030.0	1053.9	1080.2	1110.1
15°	824.1	857.3	893.1	932.3	969.8	1008.3	1042.8	1078.4	1111.6	1143.0	1180.5
17.5°	811.9	850.2	892.4	938.7	983.9	1030.6	1071.6	1116.4	1150.2	1192.5	1227.4
20°	802.0	843.2	888.4	940.3	991.6	1043.5	1088.7	1134.3	1172.5	1215.0	1259.3
22.5°	790.0	835.2	884.2	937.9	991.6	1048.4	1098.4	1143.7	1191.0	1238.9	1284.4
25°	770.5	817.4	869.4	928.2	989.9	1047.8	1101.5	1157.8	1208.7	1260.6	1301.5
27.5°	746.7	795.9	850.7	911.5	974.7	1034.1	1097.2	1157.2	1208.4	1258.4	1294.0
30°	727.6	779.5	832.2	893.8	959.4	1023.1	1090.7	1150.7	1204.6	1249.6	1269.6
32.5°	708.1	757.3	811.5	873.9	941.2	1009.7	1076.9	1138.2	1188.0	1215.0	1215.5
35°	674.0	720.2	776.5	837.8	906.8	981.2	1049.2	1109.5	1140.0	1142.4	1109.5
37.5°	636.9	679.3	732.5	793.8	869.4	943.4	1012.8	1053.0	1063.2	1029.2	968.5
40°	610.4	649.5	700.9	763.8	838.9	915.2	978.5	1008.0	997.3	942.0	874.3
42.5°	582.5	619.0	668.4	730.6	805.9	883.0	937.0	952.8	924.4	860.6	781.4
45°	537.0	570.5	619.4	682.1	754.4	826.8	867.6	859.6	812.4	736.7	647.9
47.5°	489.7	522.0	566.0	624.0	698.1	760.5	788.2	764.0	696.7	613.5	541.2
50°	458.3	491.5	532.0	587.3	655.0	715.2	733.0	696.1	621.4	541.4	475.0
52.5°	427.5	455.8	495.5	548.9	613.6	664.6	674.0	631.5	554.4	482.7	423.9
55°	380.6	406.4	439.9	490.1	546.0	589.3	584.3	529.6	459.6	398.3	352.1
57.5°	335.2	354.6	385.6	432.7	481.8	510.8	492.4	445.9	380.6	330.5	291.4
60°	305.2	323.3	352.1	393.3	436.5	452.9	437.5	386.9	335.4	289.5	256.6
62.5°	276.8	292.7	317.5	355.8	390.6	400.4	383.9	339.8	293.3	254.1	226.9
65°	235.5	250.2	271.4	298.5	322.6	327.3	316.6	271.4	236.2	203.4	184.6
67.5°	198.0	207.7	224.2	247.6	260.5	263.2	242.5	214.0	183.0	162.9	148.8
70°	172.9	179.5	194.9	207.7	218.1	218.4	199.3	176.5	152.7	136.4	126.0
72.5°	148.4	154.9	166.6	175.3	183.2	180.6	163.2	145.2	126.0	113.6	105.8
75°	114.6	120.3	126.3	130.4	130.4	127.0	114.3	100.8	89.8	82.4	80.1
77.5°	83.3	88.0	90.0	89.4	88.2	82.9	74.9	66.1	62.2	58.7	56.9
80°	65.3	67.3	68.0	66.3	64.3	58.3	53.0	49.2	45.5	44.3	43.6
82.5°	48.5	50.2	48.5	48.9	44.5	39.5	36.6	35.3	33.8	33.2	32.5
85°	25.8	25.5	24.8	23.1	20.1	19.5	19.1	18.8	18.1	18.4	17.7
87.5°	9.4	9.0	8.2	8.1	8.1	8.6	8.9	9.2	9.6	9.1	9.8
90°	2.6	5.2	6.0	6.9	6.9	12.1	12.1	13.8	15.5	14.6	15.5
92.5°	14.3	22.4	32.8	45.4	63.3	106.9	173.7	238.6	272.7	227.1	168.8
95°	30.9	39.5	50.7	71.4	107.5	182.2	323.2	528.7	700.5	720.3	636.9
97.5°	50.9	58.3	68.6	86.3	116.6	174.2	290.5	494.7	737.8	904.9	941.1
100°	65.3	71.4	81.6	98.0	125.5	176.2	273.4	448.7	691.0	911.1	1036.6
102.5°	80.4	85.8	95.4	111.1	137.2	183.0	268.5	417.8	632.7	859.5	1031.8
105°	103.1	107.5	117.8	133.2	158.2	199.4	270.8	391.1	563.9	765.9	962.7
107.5°	126.1	130.3	141.3	156.1	180.6	218.5	283.4	386.2	525.4	690.2	864.5
110°	141.8	146.1	156.4	171.9	195.1	232.9	293.1	387.6	512.3	652.4	805.4



TEST NUMBER: P332915-935

CATALOG NUMBER: S124RDIP-S575D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	157.0	162.0	171.6	187.0	210.3	246.7	303.4	391.8	506.1	631.1	762.1
115°	179.6	185.6	194.2	210.6	233.8	268.2	319.8	399.7	502.8	611.1	718.6
117.5°	202.2	207.5	217.0	232.2	256.3	289.0	336.4	408.1	502.0	602.2	697.2
120°	216.6	222.7	232.0	246.7	270.8	303.4	348.1	414.3	502.0	597.4	687.6
122.5°	230.3	236.3	245.1	261.1	284.5	317.2	359.1	420.5	501.3	591.9	679.4
125°	250.1	255.3	264.8	281.0	305.1	336.0	375.7	429.8	500.2	582.8	665.3
127.5°	265.4	271.6	282.4	299.5	323.7	353.6	389.9	437.1	498.3	570.6	648.1
130°	275.1	281.9	294.8	311.2	336.0	365.3	398.8	442.6	497.7	563.0	634.4
132.5°	283.3	292.2	304.4	322.2	345.7	375.0	407.8	447.5	497.0	556.1	619.9
135°	296.5	305.1	319.8	337.8	360.2	388.5	419.5	454.7	495.9	545.8	599.9
137.5°	308.9	318.4	332.3	351.0	372.4	398.8	427.7	459.0	495.8	536.8	581.9
140°	317.2	326.7	341.2	359.3	380.0	405.7	433.2	462.4	495.1	532.1	571.6
142.5°	326.8	335.5	349.5	366.9	386.8	411.9	437.3	465.2	495.1	528.0	562.0
145°	340.4	349.0	361.0	377.4	396.2	418.6	441.8	466.7	493.4	520.9	548.4
147.5°	354.0	361.5	373.9	387.4	404.5	425.5	445.7	467.6	490.3	514.5	537.2
150°	363.6	370.5	380.8	393.6	410.0	429.0	447.8	467.6	488.2	509.7	530.4
152.5°	371.9	378.8	388.3	399.8	414.8	431.7	449.2	466.2	484.7	504.2	522.8
155°	385.0	390.2	398.8	408.3	421.2	435.8	450.4	464.2	479.7	495.9	511.4
157.5°	396.4	401.2	407.9	416.2	426.4	438.7	450.4	461.9	474.3	487.5	499.2
160°	404.0	407.4	413.5	420.3	429.8	440.1	450.4	459.9	470.2	481.4	491.6
162.5°	410.2	412.9	418.3	424.5	431.9	441.4	450.4	457.8	466.1	475.9	484.1
165°	418.6	420.3	424.6	429.0	434.0	441.8	448.7	453.8	459.9	466.7	473.6
167.5°	425.5	426.4	429.6	432.0	435.9	441.6	446.6	449.7	453.7	458.5	463.5
170°	429.0	429.8	432.4	434.0	436.6	440.9	445.2	446.9	449.5	453.0	457.3
172.5°	432.4	432.5	434.4	435.4	437.3	440.2	443.8	444.2	445.4	448.2	451.8
175°	435.8	435.8	436.6	437.5	437.5	439.2	441.8	440.9	440.9	442.6	444.4
177.5°	437.5	436.8	437.5	437.5	437.5	438.2	439.5	438.2	438.2	438.9	439.5
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	872.2	873.3	874.1	876.8	877.0	879.4	877.0
5°	944.3	949.1	956.4	963.8	964.5	969.1	960.8
7.5°	1025.3	1036.1	1042.9	1054.8	1059.5	1062.5	1057.7
10°	1081.1	1091.1	1108.9	1117.6	1126.3	1127.6	1123.6
12.5°	1134.9	1150.8	1164.8	1181.4	1180.9	1192.7	1188.4
15°	1206.7	1223.1	1242.5	1260.9	1267.7	1267.7	1273.0
17.5°	1257.8	1288.0	1308.0	1322.5	1338.3	1341.1	1339.2
20°	1292.4	1324.9	1346.3	1365.1	1375.9	1378.9	1378.9
22.5°	1318.2	1345.8	1366.8	1383.6	1392.5	1396.0	1394.9
25°	1336.0	1359.8	1372.5	1377.5	1379.8	1379.1	1372.9
27.5°	1311.6	1310.5	1302.4	1287.0	1275.5	1268.4	1260.4
30°	1265.0	1247.5	1227.4	1205.3	1176.8	1155.0	1148.4
32.5°	1195.6	1156.4	1122.4	1085.5	1054.9	1033.1	1024.0
35°	1061.3	999.3	948.7	904.5	872.4	852.2	845.5
37.5°	902.0	842.0	779.4	736.5	709.8	689.5	681.9
40°	800.6	735.3	680.7	640.5	613.0	593.3	593.0
42.5°	708.2	645.8	594.4	565.5	535.9	522.8	522.7
45°	579.9	529.9	486.4	463.6	445.9	435.1	432.1
47.5°	480.1	438.9	409.8	391.7	377.2	370.4	365.9
50°	424.1	388.0	364.8	349.0	341.0	332.3	331.7
52.5°	377.5	348.3	330.3	317.5	307.3	302.0	302.2
55°	317.3	294.1	281.4	271.6	263.6	259.6	258.0
57.5°	267.3	249.9	240.6	231.8	228.3	225.2	224.3
60°	236.2	224.5	215.8	208.7	203.7	202.7	202.3
62.5°	210.4	198.2	192.2	186.8	183.0	181.5	180.9
65°	173.5	164.5	159.1	154.8	153.4	151.1	150.8
67.5°	139.9	134.5	131.0	127.9	126.1	126.0	126.0
70°	119.2	116.2	113.2	111.6	110.6	109.9	109.9
72.5°	101.6	99.4	96.9	96.0	95.8	95.1	94.9
75°	77.4	75.1	75.3	73.7	72.3	70.7	69.7
77.5°	54.8	53.2	52.9	52.7	51.5	51.3	51.8
80°	42.5	40.9	40.6	40.9	40.6	39.5	39.5
82.5°	32.4	31.0	30.7	30.4	30.0	30.4	29.9
85°	17.4	16.8	16.8	16.8	17.4	17.0	16.8
87.5°	9.5	9.3	9.6	9.5	9.6	9.2	9.5
90°	16.4	17.2	17.2	18.1	18.9	18.1	18.1
92.5°	127.1	101.1	83.9	73.8	69.1	66.2	66.2
95°	503.7	388.5	305.1	263.0	236.3	220.9	209.7
97.5°	891.5	807.4	717.7	656.0	604.2	578.5	560.6
100°	1053.8	1011.7	948.0	873.3	820.9	795.0	788.2
102.5°	1117.1	1129.3	1102.8	1056.9	1018.9	991.8	986.3
105°	1111.4	1196.4	1231.7	1233.5	1226.6	1214.5	1209.4
107.5°	1022.9	1142.7	1219.3	1261.8	1281.4	1290.0	1292.3
110°	954.1	1078.7	1173.3	1234.3	1270.4	1285.9	1293.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	893.5	1011.3	1105.9	1175.2	1218.8	1240.5	1253.0
115°	824.3	924.9	1007.4	1075.3	1126.9	1154.3	1161.2
117.5°	784.8	863.8	933.8	991.8	1035.1	1062.9	1068.2
120°	767.6	836.4	897.3	946.3	984.2	1006.5	1016.0
122.5°	756.6	819.2	872.6	914.0	946.3	965.3	974.7
125°	739.2	798.5	845.8	880.2	905.1	921.4	926.6
127.5°	718.8	777.9	822.8	857.3	879.5	893.2	898.4
130°	702.2	760.7	806.2	841.5	863.0	876.8	881.9
132.5°	683.7	740.7	786.4	820.9	845.1	858.2	863.3
135°	655.8	708.3	751.2	785.7	809.7	823.5	828.6
137.5°	629.2	673.4	712.2	744.3	768.1	779.5	785.7
140°	612.0	650.7	686.7	716.9	735.8	747.8	754.7
142.5°	597.5	630.8	662.0	688.6	706.2	716.9	721.7
145°	577.6	603.4	627.5	648.9	663.6	672.2	676.5
147.5°	560.4	581.1	599.9	615.8	628.4	634.9	636.4
150°	550.1	567.3	582.8	596.5	607.7	612.9	613.7
152.5°	539.8	555.6	568.3	580.1	589.1	592.2	593.1
155°	525.2	538.0	548.4	557.0	563.9	566.5	566.5
157.5°	510.7	521.6	529.9	536.3	541.5	543.0	543.0
160°	501.1	510.6	517.5	522.6	527.8	528.7	528.7
162.5°	492.1	499.6	505.8	509.5	514.7	515.6	514.9
165°	478.8	484.7	489.0	492.5	495.9	495.1	494.2
167.5°	467.4	472.3	474.8	476.6	478.8	478.6	477.9
170°	459.9	463.3	465.9	467.6	468.5	467.6	467.6
172.5°	453.7	455.7	457.6	458.7	459.5	458.7	457.3
175°	445.2	446.9	446.9	446.9	448.7	446.9	445.2
177.5°	440.2	440.2	440.9	440.2	440.9	439.5	438.2
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5

(END OF REPORT)