

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: P332891-940

Luminaire Tested: **S124RDIP-S350D1205U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332891-940
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-S350D1205U940-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5162.7 lumens
Efficiency: N/A
Efficacy: 122.3 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

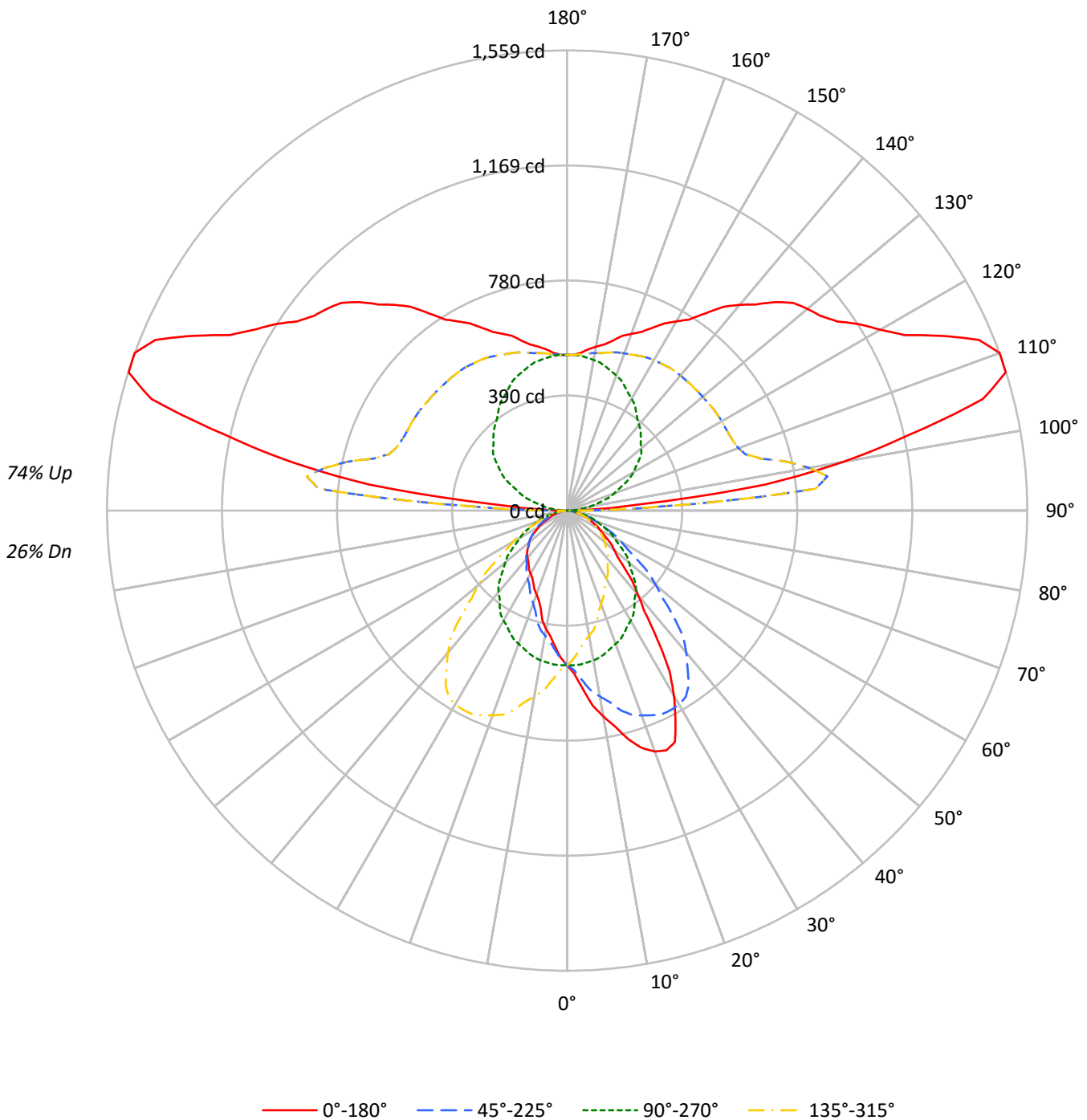
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	88	85	82	82	79	76	73	61	59	58	45	44	43	30	30	29	22
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	51	48	44	41	35	33	31	24	22	21	16
4	71	60	53	47	63	54	48	43	42	38	35	32	29	26	22	20	18	14
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	18	16	12
6	60	48	40	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11
7	55	43	36	30	49	39	33	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	25	28	23	20	21	18	16	15	13	11	9
9	47	36	29	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8
10	44	33	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4229	4229	4229	4229
5°	4905	4241	3749	4241
10°	5802	4223	3345	4223
15°	6702	4184	2875	4184
20°	7462	4130	2600	4130
25°	7704	4077	2414	4077
30°	6743	4013	2302	4013
35°	5249	3918	2234	3918
40°	3936	3810	2197	3810
45°	3108	3635	2177	3635
50°	2624	3435	2115	3435
55°	2287	3215	2001	3215
60°	2057	2985	1773	2985
65°	1815	2737	1524	2737
70°	1633	2481	1374	2481
75°	1369	2196	1170	2196
80°	1158	1874	1097	1874
85°	973	1473	973	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.0
10°-20°	153.1	3.0
20°-30°	239.4	4.6
30°-40°	266.2	5.2
40°-50°	236.2	4.6
50°-60°	184.0	3.6
60°-70°	120.5	2.3
70°-80°	59.3	1.1
80°-90°	17.5	0.3
90°-100°	380.9	7.4
100°-110°	792.8	15.4
110°-120°	710.1	13.8
120°-130°	597.3	11.6
130°-140°	498.1	9.6
140°-150°	380.5	7.4
150°-160°	267.5	5.2
160°-170°	157.3	3.0
170°-180°	51.2	1.0
0°-30°	443.3	8.6
0°-40°	709.5	13.7
0°-60°	1129.7	21.9
0°-90°	1326.9	25.7
90°-120°	1883.9	36.5
90°-150°	3359.8	65.1
90°-180°	3836.0	74.3
0°-180°	5162.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	524	524	524	524	524	
5°	605	523	463	523	605	61
15°	802	501	344	501	802	228
25°	865	458	271	458	865	384
35°	533	398	227	398	533	334
45°	272	318	191	318	272	216
55°	162	228	142	228	162	148
65°	95	143	80	143	95	96
75°	44	70	38	70	44	48
85°	10	16	10	16	10	12
90°	22	1	22	1	22	18
95°	253	34	253	34	253	392
105°	1458	121	1458	121	1458	1441
115°	1400	214	1400	214	1400	1390
125°	1117	297	1117	297	1117	1015
135°	999	353	999	353	999	771
145°	816	407	816	407	816	517
155°	683	463	683	463	683	319
165°	596	505	596	505	596	171
175°	537	526	537	526	537	52
180°	527	527	527	527	527	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	552.5	554.0	552.5	552.3	550.6	550.1	549.5	547.2	543.2	540.8	541.4
5°	605.3	610.6	607.6	607.2	602.5	597.9	594.9	588.2	580.9	576.1	572.1
7.5°	666.3	669.3	667.4	664.5	657.0	652.7	645.9	637.0	624.1	614.3	605.3
10°	707.8	710.3	709.5	704.0	698.6	687.3	681.0	668.6	652.3	639.4	627.4
12.5°	748.7	751.4	744.0	744.2	733.8	725.0	715.0	699.3	680.6	664.0	648.9
15°	801.9	798.5	798.5	794.3	782.7	770.5	760.2	743.7	720.1	700.3	679.3
17.5°	843.6	844.8	843.1	833.1	824.0	811.4	792.4	773.2	751.3	724.6	703.3
20°	868.6	868.6	866.7	860.0	848.2	834.6	814.2	793.3	765.4	738.6	714.6
22.5°	878.8	879.4	877.2	871.6	861.0	847.8	830.4	809.1	780.4	750.3	720.5
25°	864.9	868.9	869.2	867.8	864.6	856.6	841.6	819.9	794.2	761.4	729.3
27.5°	794.0	799.1	803.5	810.8	820.6	825.5	826.3	815.2	792.7	761.3	729.0
30°	723.4	727.6	741.4	759.3	773.2	785.9	796.9	799.9	787.2	758.9	725.0
32.5°	645.1	650.9	664.6	683.9	707.0	728.5	753.1	765.7	765.4	748.4	717.0
35°	532.6	536.9	549.6	569.8	597.6	629.5	668.6	698.9	719.6	718.2	698.9
37.5°	429.6	434.4	447.1	464.0	491.0	530.4	568.2	610.1	648.3	669.8	663.3
40°	373.5	373.7	386.2	403.5	428.8	463.2	504.4	550.8	593.4	628.3	635.0
42.5°	329.3	329.3	337.6	356.2	374.4	406.8	446.1	492.2	542.2	582.4	600.2
45°	272.2	274.1	280.9	292.0	306.4	333.9	365.3	408.1	464.0	511.8	541.5
47.5°	230.5	233.4	237.6	246.7	258.2	276.4	302.5	341.0	386.5	438.9	481.3
50°	208.9	209.4	214.8	219.9	229.8	244.4	267.2	299.3	341.1	391.5	438.5
52.5°	190.4	190.3	193.6	200.0	208.0	219.4	237.8	267.0	304.1	349.3	397.9
55°	162.5	163.5	166.1	171.1	177.3	185.3	199.8	221.8	250.9	289.5	333.7
57.5°	141.3	141.9	143.8	146.0	151.6	157.5	168.4	183.6	208.1	239.8	280.9
60°	127.4	127.7	128.3	131.4	135.9	141.4	148.8	161.7	182.4	211.2	243.8
62.5°	114.0	114.3	115.3	117.6	121.1	124.8	132.6	142.9	160.1	184.8	214.0
65°	95.0	95.1	96.7	97.5	100.2	103.6	109.3	116.3	128.1	148.8	170.9
67.5°	79.4	79.4	79.5	80.6	82.5	84.7	88.1	93.7	102.6	115.3	134.8
70°	69.2	69.2	69.6	70.3	71.3	73.2	75.2	79.4	85.9	96.2	111.2
72.5°	59.7	59.9	60.4	60.5	61.0	62.6	64.0	66.7	71.5	79.4	91.5
75°	43.9	44.5	45.6	46.5	47.5	47.3	48.8	50.5	51.9	56.5	63.5
77.5°	32.6	32.4	32.5	33.2	33.3	33.5	34.6	35.8	37.0	39.1	41.6
80°	24.9	24.9	25.5	25.8	25.5	25.8	26.8	27.5	27.8	28.7	31.0
82.5°	18.8	19.2	19.0	19.2	19.3	19.5	20.4	20.5	21.0	21.3	22.2
85°	10.5	10.8	11.0	10.5	10.5	10.5	11.0	11.1	11.6	11.4	11.9
87.5°	8.0	7.9	8.3	8.0	8.0	7.8	7.8	7.9	7.4	7.8	7.4
90°	21.8	21.8	22.8	21.8	20.7	20.7	19.7	18.6	17.7	18.6	16.6
92.5°	79.8	79.8	83.3	88.9	101.1	121.9	153.1	203.5	273.8	328.7	287.7
95°	252.8	266.3	285.0	317.1	367.8	468.3	607.2	767.8	868.3	844.5	637.2
97.5°	675.8	697.3	728.4	790.8	865.2	973.4	1074.7	1134.4	1090.9	889.5	596.4
100°	950.2	958.5	989.5	1052.8	1142.9	1219.6	1270.3	1249.6	1098.3	833.0	540.9
102.5°	1188.9	1195.5	1228.2	1274.1	1329.4	1361.3	1346.6	1243.8	1036.2	762.6	503.5
105°	1457.9	1464.1	1478.6	1486.9	1484.8	1442.3	1339.8	1160.5	923.2	679.8	471.4
107.5°	1557.8	1555.1	1544.7	1521.1	1469.9	1377.5	1233.1	1042.1	832.1	633.3	465.7
110°	1559.4	1550.2	1531.4	1487.9	1414.3	1300.4	1150.1	970.9	786.5	617.6	467.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1510.6	1495.4	1469.3	1416.7	1333.1	1219.1	1077.2	918.6	760.7	610.1	472.3
115°	1399.9	1391.6	1358.4	1296.3	1214.4	1114.9	993.7	866.2	736.7	606.2	481.8
117.5°	1287.7	1281.3	1247.8	1195.5	1125.7	1041.3	946.0	840.5	725.9	605.1	492.0
120°	1224.8	1213.4	1186.4	1140.9	1081.7	1008.2	925.3	828.9	720.1	605.1	499.4
122.5°	1175.0	1163.6	1140.9	1101.9	1052.0	987.5	912.0	818.9	713.5	604.3	506.9
125°	1117.0	1110.8	1091.1	1061.0	1019.6	962.6	891.1	802.0	702.5	603.1	518.1
127.5°	1083.0	1076.8	1060.2	1033.5	991.8	937.7	866.5	781.2	687.8	600.7	527.0
130°	1063.1	1056.9	1040.3	1014.4	972.0	917.0	846.6	764.7	678.7	599.9	533.6
132.5°	1040.7	1034.5	1018.8	989.5	947.9	893.0	824.2	747.3	670.4	599.1	539.4
135°	998.9	992.7	976.1	947.1	905.6	853.8	790.6	723.3	658.0	597.9	548.1
137.5°	947.1	939.6	926.0	897.3	858.5	811.7	758.5	701.5	647.2	597.6	553.3
140°	909.7	901.4	887.0	864.2	827.9	784.3	737.7	689.0	641.4	596.8	557.5
142.5°	870.0	864.2	851.3	830.2	798.1	760.4	720.3	677.4	636.4	596.8	560.8
145°	815.5	810.3	800.0	782.3	756.4	727.4	696.3	661.1	627.9	594.8	562.7
147.5°	767.1	765.4	757.4	742.3	723.3	700.4	675.6	647.6	620.3	591.0	563.7
150°	739.9	738.8	732.5	719.1	702.5	683.9	663.2	639.4	614.5	588.5	563.7
152.5°	715.0	713.9	710.2	699.2	685.1	669.8	650.7	630.2	607.8	584.4	562.0
155°	682.9	682.9	679.8	671.5	661.1	648.6	633.1	616.5	597.9	578.2	559.5
157.5°	654.7	654.7	652.8	646.6	638.7	628.7	615.7	601.8	587.7	571.8	556.9
160°	637.2	637.2	636.2	630.0	623.8	615.5	604.0	592.7	580.2	566.8	554.4
162.5°	620.6	621.5	620.5	614.2	609.7	602.3	593.3	583.5	573.6	561.8	551.9
165°	595.8	596.8	597.9	593.7	589.6	584.4	577.1	571.0	562.7	554.4	547.1
167.5°	576.1	576.9	577.1	574.4	572.4	569.3	563.5	558.7	552.7	546.9	542.2
170°	563.7	563.7	564.7	563.7	561.6	558.5	554.4	551.3	546.1	541.9	538.8
172.5°	551.3	552.9	553.9	552.9	551.6	549.4	546.9	544.6	540.3	536.9	535.5
175°	536.7	538.8	540.9	538.8	538.8	538.8	536.7	535.7	533.6	531.5	531.5
177.5°	528.2	529.9	531.5	530.7	531.5	530.7	530.7	529.9	529.1	528.2	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	539.7	537.3	536.1	533.4	530.2	528.5	527.0	524.8	521.9	518.9	516.7
5°	567.0	562.0	555.6	548.0	541.4	534.8	529.1	523.3	516.8	510.1	503.4
7.5°	595.1	585.2	574.4	562.0	549.9	538.9	528.7	519.1	508.1	498.2	489.3
10°	614.7	601.3	586.3	570.4	554.6	540.9	527.4	515.1	501.7	489.6	479.5
12.5°	630.6	614.7	596.7	577.0	557.9	541.4	525.8	509.9	494.5	481.5	468.0
15°	656.9	635.3	611.0	587.3	562.7	540.0	519.2	500.6	483.0	464.7	451.8
17.5°	675.1	649.3	619.7	591.4	562.2	535.6	511.5	489.4	469.1	450.4	435.1
20°	685.9	657.4	624.6	592.4	559.6	531.2	505.2	480.7	459.9	439.6	423.7
22.5°	692.0	660.4	624.6	590.8	557.0	526.1	497.7	472.2	449.4	429.1	411.6
25°	693.9	660.1	623.7	584.8	547.7	515.0	485.4	457.7	432.4	412.1	393.6
27.5°	691.2	651.4	614.0	574.2	535.8	501.4	470.4	441.3	416.0	394.2	375.1
30°	687.2	644.5	604.4	563.0	524.2	491.1	458.3	430.5	404.1	381.6	362.4
32.5°	678.3	636.1	592.9	550.5	511.2	477.1	446.0	418.0	392.2	369.1	348.7
35°	660.9	618.1	571.3	527.8	489.2	453.7	424.6	397.6	372.9	348.2	326.7
37.5°	638.0	594.3	547.7	500.1	461.4	427.9	401.3	375.9	351.8	329.2	305.4
40°	616.4	576.6	528.4	481.2	441.5	409.2	384.5	361.5	337.2	314.9	291.1
42.5°	590.3	556.3	507.7	460.2	421.1	389.9	366.9	344.5	322.4	300.7	275.8
45°	546.6	520.8	475.3	429.7	390.2	359.4	338.3	318.4	299.1	278.4	254.9
47.5°	496.5	479.1	439.8	393.1	356.6	328.9	308.4	292.2	275.8	255.1	234.6
50°	461.7	450.6	412.6	370.0	335.1	309.6	288.7	273.5	259.8	240.0	221.6
52.5°	424.6	418.7	386.6	345.8	312.2	287.1	269.3	255.7	241.7	225.2	208.1
55°	368.0	371.2	344.0	308.7	277.1	256.0	239.8	228.4	216.5	202.6	189.3
57.5°	310.2	321.8	303.5	272.6	242.9	223.4	211.2	201.6	191.6	180.1	168.7
60°	275.6	285.3	275.0	247.7	221.8	203.7	192.3	184.9	175.0	164.4	155.8
62.5°	241.8	252.3	246.1	224.1	200.0	184.4	174.3	167.5	160.1	150.9	141.9
65°	199.5	206.2	203.2	188.1	170.9	157.7	148.4	143.3	136.5	129.8	121.8
67.5°	152.8	165.8	164.1	156.0	141.2	130.8	124.8	120.3	114.1	109.1	103.7
70°	125.6	137.6	137.4	130.8	122.8	113.2	108.9	105.1	99.6	94.8	90.3
72.5°	102.8	113.8	115.5	110.4	105.0	97.6	93.5	91.0	85.6	82.3	78.6
75°	72.0	80.0	82.1	82.1	79.5	75.8	72.1	70.4	66.7	63.8	61.6
77.5°	47.2	52.3	55.6	56.3	56.7	55.4	52.4	51.3	48.3	47.3	45.3
80°	33.3	36.7	40.5	41.8	42.8	42.4	41.2	40.3	37.5	36.5	35.7
82.5°	23.0	24.9	28.0	30.9	30.5	31.7	30.5	29.9	27.7	27.4	26.6
85°	12.0	12.2	12.7	14.5	15.6	16.1	16.2	15.9	15.2	15.2	13.7
87.5°	7.0	6.8	5.9	5.9	5.8	6.3	6.2	6.0	5.9	6.0	5.7
90°	14.5	14.5	8.3	8.3	7.2	6.2	3.1	1.1	3.1	6.2	7.2
92.5°	209.3	128.9	76.2	54.8	39.6	26.9	17.2	11.8	17.2	26.9	39.6
95°	389.6	219.6	129.6	86.0	61.2	47.7	37.3	34.2	37.3	47.7	61.2
97.5°	350.3	209.9	140.5	104.1	82.7	70.3	61.3	61.3	61.3	70.3	82.7
100°	329.5	212.4	151.3	118.2	98.4	86.0	78.7	78.7	78.7	86.0	98.4
102.5°	323.7	220.7	165.4	133.8	115.0	103.4	97.0	95.3	97.0	103.4	115.0
105°	326.4	240.4	190.6	160.6	142.0	129.6	124.3	121.3	124.3	129.6	142.0
107.5°	341.7	263.4	217.8	188.2	170.3	157.1	151.9	149.8	151.9	157.1	170.3
110°	353.3	280.8	235.2	207.2	188.6	176.1	170.9	168.9	170.9	176.1	188.6



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	365.8	297.4	253.4	225.5	206.8	195.2	189.2	187.2	189.2	195.2	206.8
115°	385.5	323.2	281.9	253.9	234.2	223.8	216.6	213.5	216.6	223.8	234.2
117.5°	405.6	348.4	309.0	280.0	261.5	250.1	243.7	240.8	243.7	250.1	261.5
120°	419.6	365.8	326.4	297.4	279.7	268.4	261.1	259.0	261.1	268.4	279.7
122.5°	432.9	382.4	343.0	314.8	295.5	285.0	277.7	275.6	277.7	285.0	295.5
125°	452.8	405.1	367.8	338.9	319.1	307.7	301.5	297.4	301.5	307.7	319.1
127.5°	470.0	426.2	390.2	361.0	340.5	327.4	319.9	316.6	319.9	327.4	340.5
130°	480.8	440.4	405.1	375.1	355.4	339.8	331.5	327.4	331.5	339.8	355.4
132.5°	491.6	452.0	416.8	388.3	367.0	352.3	341.5	338.2	341.5	352.3	367.0
135°	505.7	468.3	434.2	407.2	385.5	367.8	357.5	353.3	357.5	367.8	385.5
137.5°	515.6	480.8	448.9	423.2	400.6	383.8	372.4	368.5	372.4	383.8	400.6
140°	522.2	489.1	458.0	433.1	411.3	393.8	382.4	379.2	382.4	393.8	411.3
142.5°	527.2	496.5	466.3	442.2	421.3	404.5	394.0	390.8	394.0	404.5	421.3
145°	532.6	504.6	477.7	454.9	435.2	420.7	410.4	407.2	410.4	420.7	435.2
147.5°	537.3	512.9	487.6	467.1	450.8	435.8	426.7	425.6	426.7	435.8	450.8
150°	539.8	517.0	494.3	474.6	459.1	446.6	438.3	437.3	438.3	446.6	459.1
152.5°	541.5	520.4	500.1	482.1	468.1	456.6	448.3	448.0	448.3	456.6	468.1
155°	543.0	525.3	507.7	492.2	480.8	470.4	464.2	463.2	464.2	470.4	480.8
157.5°	543.0	528.9	514.0	501.7	491.8	483.7	477.9	477.9	477.9	483.7	491.8
160°	543.0	530.5	518.1	506.7	498.4	491.2	487.0	487.0	487.0	491.2	498.4
162.5°	543.0	532.2	520.6	511.7	504.2	497.8	494.5	495.3	494.5	497.8	504.2
165°	540.9	532.6	523.3	517.0	511.8	506.7	504.6	504.6	504.6	506.7	511.8
167.5°	538.4	532.4	525.6	520.8	517.9	514.0	512.9	514.0	512.9	514.0	517.9
170°	536.7	531.5	526.4	523.3	521.2	518.1	517.0	518.1	517.0	518.1	521.2
172.5°	535.1	530.7	527.2	525.0	523.7	521.4	521.2	522.2	521.2	521.4	523.7
175°	532.6	529.5	527.4	527.4	526.4	525.3	525.3	526.4	525.3	525.3	526.4
177.5°	529.9	528.2	527.4	527.4	527.4	526.6	527.4	528.2	527.4	526.6	527.4
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	514.3	512.6	510.5	507.9	504.9	502.2	501.0	502.0	502.6	501.1	501.0
5°	498.6	493.4	489.2	482.9	477.8	473.6	470.6	469.3	469.8	466.4	465.6
7.5°	481.1	474.8	467.9	460.4	453.4	447.2	444.0	442.2	438.5	437.0	434.4
10°	469.8	461.4	454.6	445.7	437.7	430.3	426.7	423.7	420.2	418.5	414.9
12.5°	458.2	448.4	440.9	431.7	423.5	414.6	411.2	405.7	400.1	396.5	391.9
15°	441.7	429.9	420.8	409.8	400.1	390.0	380.9	370.8	367.0	359.0	354.4
17.5°	422.5	410.5	399.3	384.6	369.6	357.0	347.3	337.6	331.8	326.7	324.3
20°	409.8	398.9	383.3	366.1	349.5	335.6	327.7	321.4	315.0	311.5	309.0
22.5°	397.9	383.8	365.7	347.2	330.6	319.7	313.1	306.6	301.4	298.0	294.6
25°	377.7	359.4	340.2	319.1	307.7	298.2	291.1	285.7	282.6	278.1	276.4
27.5°	357.1	334.8	313.7	299.5	287.7	278.9	272.7	268.8	264.7	261.9	259.7
30°	341.3	318.7	299.7	286.1	274.1	267.0	261.9	257.3	254.0	251.7	250.1
32.5°	325.6	303.0	287.0	272.5	263.0	256.0	250.6	247.1	244.6	241.7	240.6
35°	302.8	282.8	268.9	255.7	246.1	239.8	235.5	231.9	229.8	229.0	228.4
37.5°	281.0	264.6	249.6	238.9	230.2	225.2	220.3	218.5	217.0	215.5	216.2
40°	267.2	251.7	238.4	227.1	220.1	214.6	211.7	209.6	208.3	208.3	208.3
42.5°	255.2	240.1	227.1	217.0	210.0	205.4	202.1	200.3	199.8	199.7	200.7
45°	236.6	222.7	209.6	201.1	195.2	190.6	188.7	187.2	187.2	188.1	188.2
47.5°	218.1	205.1	194.6	185.1	179.7	176.8	175.1	174.4	174.5	175.3	176.3
50°	206.8	193.9	183.6	175.1	170.1	167.4	165.9	165.4	165.9	165.9	167.4
52.5°	194.5	183.0	172.8	165.7	160.0	157.4	156.6	156.0	156.2	156.9	157.6
55°	176.5	166.1	156.4	149.6	145.4	143.7	141.8	142.0	141.6	142.0	142.0
57.5°	158.3	149.0	140.0	134.6	130.9	128.5	126.4	127.0	126.4	126.3	125.9
60°	146.7	136.5	129.4	124.5	120.3	118.2	116.3	116.7	116.1	115.7	114.8
62.5°	134.0	125.6	118.7	114.0	110.7	108.3	106.3	105.9	104.4	103.0	101.1
65°	115.7	108.7	102.5	98.2	95.0	93.1	91.6	90.3	87.1	83.8	82.1
67.5°	97.8	92.7	87.0	83.3	80.7	78.3	75.4	73.3	70.4	68.5	67.4
70°	86.3	81.5	76.6	73.0	70.3	67.9	64.8	63.3	61.2	60.4	59.3
72.5°	75.3	70.8	66.3	63.0	60.2	58.3	55.8	54.4	53.4	53.1	52.1
75°	58.7	55.1	51.7	48.8	46.5	45.1	44.1	43.1	42.6	40.8	39.7
77.5°	42.8	40.4	38.3	36.2	34.6	33.7	31.7	30.5	29.8	28.9	28.6
80°	33.3	31.7	29.5	28.3	25.9	25.1	24.3	24.1	23.8	23.6	23.5
82.5°	25.1	23.4	21.3	20.5	19.9	19.4	18.9	18.6	18.5	18.5	18.5
85°	12.7	11.9	11.9	11.6	11.4	11.1	11.0	11.0	10.8	11.0	10.8
87.5°	5.9	5.7	7.0	6.6	7.2	7.6	7.2	7.4	7.8	7.7	7.7
90°	8.3	8.3	14.5	14.5	16.6	18.6	17.7	18.6	19.7	20.7	20.7
92.5°	54.8	76.2	128.9	209.3	287.7	328.7	273.8	203.5	153.1	121.9	101.1
95°	86.0	129.6	219.6	389.6	637.2	844.5	868.3	767.8	607.2	468.3	367.8
97.5°	104.1	140.5	209.9	350.3	596.4	889.5	1090.9	1134.4	1074.7	973.4	865.2
100°	118.2	151.3	212.4	329.5	540.9	833.0	1098.3	1249.6	1270.3	1219.6	1142.9
102.5°	133.8	165.4	220.7	323.7	503.5	762.6	1036.2	1243.8	1346.6	1361.3	1329.4
105°	160.6	190.6	240.4	326.4	471.4	679.8	923.2	1160.5	1339.8	1442.3	1484.8
107.5°	188.2	217.8	263.4	341.7	465.7	633.3	832.1	1042.1	1233.1	1377.5	1469.9
110°	207.2	235.2	280.8	353.3	467.3	617.6	786.5	970.9	1150.1	1300.4	1414.3



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	225.5	253.4	297.4	365.8	472.3	610.1	760.7	918.6	1077.2	1219.1	1333.1
115°	253.9	281.9	323.2	385.5	481.8	606.2	736.7	866.2	993.7	1114.9	1214.4
117.5°	280.0	309.0	348.4	405.6	492.0	605.1	725.9	840.5	946.0	1041.3	1125.7
120°	297.4	326.4	365.8	419.6	499.4	605.1	720.1	828.9	925.3	1008.2	1081.7
122.5°	314.8	343.0	382.4	432.9	506.9	604.3	713.5	818.9	912.0	987.5	1052.0
125°	338.9	367.8	405.1	452.8	518.1	603.1	702.5	802.0	891.1	962.6	1019.6
127.5°	361.0	390.2	426.2	470.0	527.0	600.7	687.8	781.2	866.5	937.7	991.8
130°	375.1	405.1	440.4	480.8	533.6	599.9	678.7	764.7	846.6	917.0	972.0
132.5°	388.3	416.8	452.0	491.6	539.4	599.1	670.4	747.3	824.2	893.0	947.9
135°	407.2	434.2	468.3	505.7	548.1	597.9	658.0	723.3	790.6	853.8	905.6
137.5°	423.2	448.9	480.8	515.6	553.3	597.6	647.2	701.5	758.5	811.7	858.5
140°	433.1	458.0	489.1	522.2	557.5	596.8	641.4	689.0	737.7	784.3	827.9
142.5°	442.2	466.3	496.5	527.2	560.8	596.8	636.4	677.4	720.3	760.4	798.1
145°	454.9	477.7	504.6	532.6	562.7	594.8	627.9	661.1	696.3	727.4	756.4
147.5°	467.1	487.6	512.9	537.3	563.7	591.0	620.3	647.6	675.6	700.4	723.3
150°	474.6	494.3	517.0	539.8	563.7	588.5	614.5	639.4	663.2	683.9	702.5
152.5°	482.1	500.1	520.4	541.5	562.0	584.4	607.8	630.2	650.7	669.8	685.1
155°	492.2	507.7	525.3	543.0	559.5	578.2	597.9	616.5	633.1	648.6	661.1
157.5°	501.7	514.0	528.9	543.0	556.9	571.8	587.7	601.8	615.7	628.7	638.7
160°	506.7	518.1	530.5	543.0	554.4	566.8	580.2	592.7	604.0	615.5	623.8
162.5°	511.7	520.6	532.2	543.0	551.9	561.8	573.6	583.5	593.3	602.3	609.7
165°	517.0	523.3	532.6	540.9	547.1	554.4	562.7	571.0	577.1	584.4	589.6
167.5°	520.8	525.6	532.4	538.4	542.2	546.9	552.7	558.7	563.5	569.3	572.4
170°	523.3	526.4	531.5	536.7	538.8	541.9	546.1	551.3	554.4	558.5	561.6
172.5°	525.0	527.2	530.7	535.1	535.5	536.9	540.3	544.6	546.9	549.4	551.6
175°	527.4	527.4	529.5	532.6	531.5	531.5	533.6	535.7	536.7	538.8	538.8
177.5°	527.4	527.4	528.2	529.9	528.2	528.2	529.1	529.9	530.7	530.7	531.5
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	500.0	500.3	499.2	498.8	499.2	500.3	500.0	501.0	501.1	502.6	502.0
5°	463.9	463.4	462.4	462.6	462.4	463.4	463.9	465.6	466.4	469.8	469.3
7.5°	432.9	431.3	431.8	430.1	431.8	431.3	432.9	434.4	437.0	438.5	442.2
10°	414.0	411.7	409.8	408.1	409.8	411.7	414.0	414.9	418.5	420.2	423.7
12.5°	388.3	386.2	383.7	384.1	383.7	386.2	388.3	391.9	396.5	400.1	405.7
15°	351.6	348.4	343.4	344.0	343.4	348.4	351.6	354.4	359.0	367.0	370.8
17.5°	320.6	320.6	318.3	318.9	318.3	320.6	320.6	324.3	326.7	331.8	337.6
20°	304.5	303.1	303.3	302.6	303.3	303.1	304.5	309.0	311.5	315.0	321.4
22.5°	293.4	291.6	290.1	288.8	290.1	291.6	293.4	294.6	298.0	301.4	306.6
25°	274.6	273.3	271.4	271.0	271.4	273.3	274.6	276.4	278.1	282.6	285.7
27.5°	258.0	257.8	257.0	256.0	257.0	257.8	258.0	259.7	261.9	264.7	268.8
30°	248.4	248.0	247.5	246.9	247.5	248.0	248.4	250.1	251.7	254.0	257.3
32.5°	239.8	239.5	239.1	239.2	239.1	239.5	239.8	240.6	241.7	244.6	247.1
35°	227.5	227.3	226.9	226.7	226.9	227.3	227.5	228.4	229.0	229.8	231.9
37.5°	216.1	216.6	216.3	216.2	216.3	216.6	216.1	216.2	215.5	217.0	218.5
40°	208.1	208.3	208.7	208.5	208.7	208.3	208.1	208.3	208.3	208.3	209.6
42.5°	201.5	201.5	202.2	201.4	202.2	201.5	201.5	200.7	199.7	199.8	200.3
45°	189.8	191.0	190.7	190.7	190.7	191.0	189.8	188.2	188.1	187.2	187.2
47.5°	176.8	178.0	178.3	178.2	178.3	178.0	176.8	176.3	175.3	174.5	174.4
50°	168.4	168.0	168.6	168.4	168.6	168.0	168.4	167.4	165.9	165.9	165.4
52.5°	158.1	158.2	158.2	157.9	158.2	158.2	158.1	157.6	156.9	156.2	156.0
55°	142.2	142.5	142.0	142.2	142.0	142.5	142.2	142.0	142.0	141.6	142.0
57.5°	125.0	124.0	124.4	123.9	124.4	124.0	125.0	125.9	126.3	126.4	127.0
60°	112.7	111.0	110.6	109.8	110.6	111.0	112.7	114.8	115.7	116.1	116.7
62.5°	98.9	97.6	96.2	96.9	96.2	97.6	98.9	101.1	103.0	104.4	105.9
65°	80.4	79.5	78.9	79.8	78.9	79.5	80.4	82.1	83.8	87.1	90.3
67.5°	66.5	66.1	66.1	65.7	66.1	66.1	66.5	67.4	68.5	70.4	73.3
70°	59.3	58.7	58.7	58.2	58.7	58.7	59.3	59.3	60.4	61.2	63.3
72.5°	51.9	51.3	51.5	51.2	51.5	51.3	51.9	52.1	53.1	53.4	54.4
75°	38.4	37.4	37.4	37.5	37.4	37.4	38.4	39.7	40.8	42.6	43.1
77.5°	28.6	28.4	28.7	28.4	28.7	28.4	28.6	28.6	28.9	29.8	30.5
80°	23.5	23.2	23.0	23.6	23.0	23.2	23.5	23.5	23.6	23.8	24.1
82.5°	18.2	18.2	18.1	18.9	18.1	18.2	18.2	18.5	18.5	18.5	18.6
85°	11.0	10.5	11.0	10.5	11.0	10.5	11.0	10.8	11.0	10.8	11.0
87.5°	8.2	8.3	7.9	8.0	7.9	8.3	8.2	7.7	7.7	7.8	7.4
90°	21.8	22.8	21.8	21.8	21.8	22.8	21.8	20.7	20.7	19.7	18.6
92.5°	88.9	83.3	79.8	79.8	79.8	83.3	88.9	101.1	121.9	153.1	203.5
95°	317.1	285.0	266.3	252.8	266.3	285.0	317.1	367.8	468.3	607.2	767.8
97.5°	790.8	728.4	697.3	675.8	697.3	728.4	790.8	865.2	973.4	1074.7	1134.4
100°	1052.8	989.5	958.5	950.2	958.5	989.5	1052.8	1142.9	1219.6	1270.3	1249.6
102.5°	1274.1	1228.2	1195.5	1188.9	1195.5	1228.2	1274.1	1329.4	1361.3	1346.6	1243.8
105°	1486.9	1478.6	1464.1	1457.9	1464.1	1478.6	1486.9	1484.8	1442.3	1339.8	1160.5
107.5°	1521.1	1544.7	1555.1	1557.8	1555.1	1544.7	1521.1	1469.9	1377.5	1233.1	1042.1
110°	1487.9	1531.4	1550.2	1559.4	1550.2	1531.4	1487.9	1414.3	1300.4	1150.1	970.9



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1416.7	1469.3	1495.4	1510.6	1495.4	1469.3	1416.7	1333.1	1219.1	1077.2	918.6
115°	1296.3	1358.4	1391.6	1399.9	1391.6	1358.4	1296.3	1214.4	1114.9	993.7	866.2
117.5°	1195.5	1247.8	1281.3	1287.7	1281.3	1247.8	1195.5	1125.7	1041.3	946.0	840.5
120°	1140.9	1186.4	1213.4	1224.8	1213.4	1186.4	1140.9	1081.7	1008.2	925.3	828.9
122.5°	1101.9	1140.9	1163.6	1175.0	1163.6	1140.9	1101.9	1052.0	987.5	912.0	818.9
125°	1061.0	1091.1	1110.8	1117.0	1110.8	1091.1	1061.0	1019.6	962.6	891.1	802.0
127.5°	1033.5	1060.2	1076.8	1083.0	1076.8	1060.2	1033.5	991.8	937.7	866.5	781.2
130°	1014.4	1040.3	1056.9	1063.1	1056.9	1040.3	1014.4	972.0	917.0	846.6	764.7
132.5°	989.5	1018.8	1034.5	1040.7	1034.5	1018.8	989.5	947.9	893.0	824.2	747.3
135°	947.1	976.1	992.7	998.9	992.7	976.1	947.1	905.6	853.8	790.6	723.3
137.5°	897.3	926.0	939.6	947.1	939.6	926.0	897.3	858.5	811.7	758.5	701.5
140°	864.2	887.0	901.4	909.7	901.4	887.0	864.2	827.9	784.3	737.7	689.0
142.5°	830.2	851.3	864.2	870.0	864.2	851.3	830.2	798.1	760.4	720.3	677.4
145°	782.3	800.0	810.3	815.5	810.3	800.0	782.3	756.4	727.4	696.3	661.1
147.5°	742.3	757.4	765.4	767.1	765.4	757.4	742.3	723.3	700.4	675.6	647.6
150°	719.1	732.5	738.8	739.9	738.8	732.5	719.1	702.5	683.9	663.2	639.4
152.5°	699.2	710.2	713.9	715.0	713.9	710.2	699.2	685.1	669.8	650.7	630.2
155°	671.5	679.8	682.9	682.9	682.9	679.8	671.5	661.1	648.6	633.1	616.5
157.5°	646.6	652.8	654.7	654.7	654.7	652.8	646.6	638.7	628.7	615.7	601.8
160°	630.0	636.2	637.2	637.2	637.2	636.2	630.0	623.8	615.5	604.0	592.7
162.5°	614.2	620.5	621.5	620.6	621.5	620.5	614.2	609.7	602.3	593.3	583.5
165°	593.7	597.9	596.8	595.8	596.8	597.9	593.7	589.6	584.4	577.1	571.0
167.5°	574.4	577.1	576.9	576.1	576.9	577.1	574.4	572.4	569.3	563.5	558.7
170°	563.7	564.7	563.7	563.7	563.7	564.7	563.7	561.6	558.5	554.4	551.3
172.5°	552.9	553.9	552.9	551.3	552.9	553.9	552.9	551.6	549.4	546.9	544.6
175°	538.8	540.9	538.8	536.7	538.8	540.9	538.8	538.8	538.8	536.7	535.7
177.5°	530.7	531.5	529.9	528.2	529.9	531.5	530.7	531.5	530.7	530.7	529.9
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	501.0	502.2	504.9	507.9	510.5	512.6	514.3	516.7	518.9	521.9	524.8
5°	470.6	473.6	477.8	482.9	489.2	493.4	498.6	503.4	510.1	516.8	523.3
7.5°	444.0	447.2	453.4	460.4	467.9	474.8	481.1	489.3	498.2	508.1	519.1
10°	426.7	430.3	437.7	445.7	454.6	461.4	469.8	479.5	489.6	501.7	515.1
12.5°	411.2	414.6	423.5	431.7	440.9	448.4	458.2	468.0	481.5	494.5	509.9
15°	380.9	390.0	400.1	409.8	420.8	429.9	441.7	451.8	464.7	483.0	500.6
17.5°	347.3	357.0	369.6	384.6	399.3	410.5	422.5	435.1	450.4	469.1	489.4
20°	327.7	335.6	349.5	366.1	383.3	398.9	409.8	423.7	439.6	459.9	480.7
22.5°	313.1	319.7	330.6	347.2	365.7	383.8	397.9	411.6	429.1	449.4	472.2
25°	291.1	298.2	307.7	319.1	340.2	359.4	377.7	393.6	412.1	432.4	457.7
27.5°	272.7	278.9	287.7	299.5	313.7	334.8	357.1	375.1	394.2	416.0	441.3
30°	261.9	267.0	274.1	286.1	299.7	318.7	341.3	362.4	381.6	404.1	430.5
32.5°	250.6	256.0	263.0	272.5	287.0	303.0	325.6	348.7	369.1	392.2	418.0
35°	235.5	239.8	246.1	255.7	268.9	282.8	302.8	326.7	348.2	372.9	397.6
37.5°	220.3	225.2	230.2	238.9	249.6	264.6	281.0	305.4	329.2	351.8	375.9
40°	211.7	214.6	220.1	227.1	238.4	251.7	267.2	291.1	314.9	337.2	361.5
42.5°	202.1	205.4	210.0	217.0	227.1	240.1	255.2	275.8	300.7	322.4	344.5
45°	188.7	190.6	195.2	201.1	209.6	222.7	236.6	254.9	278.4	299.1	318.4
47.5°	175.1	176.8	179.7	185.1	194.6	205.1	218.1	234.6	255.1	275.8	292.2
50°	165.9	167.4	170.1	175.1	183.6	193.9	206.8	221.6	240.0	259.8	273.5
52.5°	156.6	157.4	160.0	165.7	172.8	183.0	194.5	208.1	225.2	241.7	255.7
55°	141.8	143.7	145.4	149.6	156.4	166.1	176.5	189.3	202.6	216.5	228.4
57.5°	126.4	128.5	130.9	134.6	140.0	149.0	158.3	168.7	180.1	191.6	201.6
60°	116.3	118.2	120.3	124.5	129.4	136.5	146.7	155.8	164.4	175.0	184.9
62.5°	106.3	108.3	110.7	114.0	118.7	125.6	134.0	141.9	150.9	160.1	167.5
65°	91.6	93.1	95.0	98.2	102.5	108.7	115.7	121.8	129.8	136.5	143.3
67.5°	75.4	78.3	80.7	83.3	87.0	92.7	97.8	103.7	109.1	114.1	120.3
70°	64.8	67.9	70.3	73.0	76.6	81.5	86.3	90.3	94.8	99.6	105.1
72.5°	55.8	58.3	60.2	63.0	66.3	70.8	75.3	78.6	82.3	85.6	91.0
75°	44.1	45.1	46.5	48.8	51.7	55.1	58.7	61.6	63.8	66.7	70.4
77.5°	31.7	33.7	34.6	36.2	38.3	40.4	42.8	45.3	47.3	48.3	51.3
80°	24.3	25.1	25.9	28.3	29.5	31.7	33.3	35.7	36.5	37.5	40.3
82.5°	18.9	19.4	19.9	20.5	21.3	23.4	25.1	26.6	27.4	27.7	29.9
85°	11.0	11.1	11.4	11.6	11.9	11.9	12.7	13.7	15.2	15.2	15.9
87.5°	7.2	7.6	7.2	6.6	7.0	5.7	5.9	5.7	6.0	5.9	6.0
90°	17.7	18.6	16.6	14.5	14.5	8.3	8.3	7.2	6.2	3.1	1.1
92.5°	273.8	328.7	287.7	209.3	128.9	76.2	54.8	39.6	26.9	17.2	11.8
95°	868.3	844.5	637.2	389.6	219.6	129.6	86.0	61.2	47.7	37.3	34.2
97.5°	1090.9	889.5	596.4	350.3	209.9	140.5	104.1	82.7	70.3	61.3	61.3
100°	1098.3	833.0	540.9	329.5	212.4	151.3	118.2	98.4	86.0	78.7	78.7
102.5°	1036.2	762.6	503.5	323.7	220.7	165.4	133.8	115.0	103.4	97.0	95.3
105°	923.2	679.8	471.4	326.4	240.4	190.6	160.6	142.0	129.6	124.3	121.3
107.5°	832.1	633.3	465.7	341.7	263.4	217.8	188.2	170.3	157.1	151.9	149.8
110°	786.5	617.6	467.3	353.3	280.8	235.2	207.2	188.6	176.1	170.9	168.9



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	760.7	610.1	472.3	365.8	297.4	253.4	225.5	206.8	195.2	189.2	187.2
115°	736.7	606.2	481.8	385.5	323.2	281.9	253.9	234.2	223.8	216.6	213.5
117.5°	725.9	605.1	492.0	405.6	348.4	309.0	280.0	261.5	250.1	243.7	240.8
120°	720.1	605.1	499.4	419.6	365.8	326.4	297.4	279.7	268.4	261.1	259.0
122.5°	713.5	604.3	506.9	432.9	382.4	343.0	314.8	295.5	285.0	277.7	275.6
125°	702.5	603.1	518.1	452.8	405.1	367.8	338.9	319.1	307.7	301.5	297.4
127.5°	687.8	600.7	527.0	470.0	426.2	390.2	361.0	340.5	327.4	319.9	316.6
130°	678.7	599.9	533.6	480.8	440.4	405.1	375.1	355.4	339.8	331.5	327.4
132.5°	670.4	599.1	539.4	491.6	452.0	416.8	388.3	367.0	352.3	341.5	338.2
135°	658.0	597.9	548.1	505.7	468.3	434.2	407.2	385.5	367.8	357.5	353.3
137.5°	647.2	597.6	553.3	515.6	480.8	448.9	423.2	400.6	383.8	372.4	368.5
140°	641.4	596.8	557.5	522.2	489.1	458.0	433.1	411.3	393.8	382.4	379.2
142.5°	636.4	596.8	560.8	527.2	496.5	466.3	442.2	421.3	404.5	394.0	390.8
145°	627.9	594.8	562.7	532.6	504.6	477.7	454.9	435.2	420.7	410.4	407.2
147.5°	620.3	591.0	563.7	537.3	512.9	487.6	467.1	450.8	435.8	426.7	425.6
150°	614.5	588.5	563.7	539.8	517.0	494.3	474.6	459.1	446.6	438.3	437.3
152.5°	607.8	584.4	562.0	541.5	520.4	500.1	482.1	468.1	456.6	448.3	448.0
155°	597.9	578.2	559.5	543.0	525.3	507.7	492.2	480.8	470.4	464.2	463.2
157.5°	587.7	571.8	556.9	543.0	528.9	514.0	501.7	491.8	483.7	477.9	477.9
160°	580.2	566.8	554.4	543.0	530.5	518.1	506.7	498.4	491.2	487.0	487.0
162.5°	573.6	561.8	551.9	543.0	532.2	520.6	511.7	504.2	497.8	494.5	495.3
165°	562.7	554.4	547.1	540.9	532.6	523.3	517.0	511.8	506.7	504.6	504.6
167.5°	552.7	546.9	542.2	538.4	532.4	525.6	520.8	517.9	514.0	512.9	514.0
170°	546.1	541.9	538.8	536.7	531.5	526.4	523.3	521.2	518.1	517.0	518.1
172.5°	540.3	536.9	535.5	535.1	530.7	527.2	525.0	523.7	521.4	521.2	522.2
175°	533.6	531.5	531.5	532.6	529.5	527.4	527.4	526.4	525.3	525.3	526.4
177.5°	529.1	528.2	528.2	529.9	528.2	527.4	527.4	527.4	526.6	527.4	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	527.0	528.5	530.2	533.4	536.1	537.3	539.7	541.4	540.8	543.2	547.2
5°	529.1	534.8	541.4	548.0	555.6	562.0	567.0	572.1	576.1	580.9	588.2
7.5°	528.7	538.9	549.9	562.0	574.4	585.2	595.1	605.3	614.3	624.1	637.0
10°	527.4	540.9	554.6	570.4	586.3	601.3	614.7	627.4	639.4	652.3	668.6
12.5°	525.8	541.4	557.9	577.0	596.7	614.7	630.6	648.9	664.0	680.6	699.3
15°	519.2	540.0	562.7	587.3	611.0	635.3	656.9	679.3	700.3	720.1	743.7
17.5°	511.5	535.6	562.2	591.4	619.7	649.3	675.1	703.3	724.6	751.3	773.2
20°	505.2	531.2	559.6	592.4	624.6	657.4	685.9	714.6	738.6	765.4	793.3
22.5°	497.7	526.1	557.0	590.8	624.6	660.4	692.0	720.5	750.3	780.4	809.1
25°	485.4	515.0	547.7	584.8	623.7	660.1	693.9	729.3	761.4	794.2	819.9
27.5°	470.4	501.4	535.8	574.2	614.0	651.4	691.2	729.0	761.3	792.7	815.2
30°	458.3	491.1	524.2	563.0	604.4	644.5	687.2	725.0	758.9	787.2	799.9
32.5°	446.0	477.1	511.2	550.5	592.9	636.1	678.3	717.0	748.4	765.4	765.7
35°	424.6	453.7	489.2	527.8	571.3	618.1	660.9	698.9	718.2	719.6	698.9
37.5°	401.3	427.9	461.4	500.1	547.7	594.3	638.0	663.3	669.8	648.3	610.1
40°	384.5	409.2	441.5	481.2	528.4	576.6	616.4	635.0	628.3	593.4	550.8
42.5°	366.9	389.9	421.1	460.2	507.7	556.3	590.3	600.2	582.4	542.2	492.2
45°	338.3	359.4	390.2	429.7	475.3	520.8	546.6	541.5	511.8	464.0	408.1
47.5°	308.4	328.9	356.6	393.1	439.8	479.1	496.5	481.3	438.9	386.5	341.0
50°	288.7	309.6	335.1	370.0	412.6	450.6	461.7	438.5	391.5	341.1	299.3
52.5°	269.3	287.1	312.2	345.8	386.6	418.7	424.6	397.9	349.3	304.1	267.0
55°	239.8	256.0	277.1	308.7	344.0	371.2	368.0	333.7	289.5	250.9	221.8
57.5°	211.2	223.4	242.9	272.6	303.5	321.8	310.2	280.9	239.8	208.1	183.6
60°	192.3	203.7	221.8	247.7	275.0	285.3	275.6	243.8	211.2	182.4	161.7
62.5°	174.3	184.4	200.0	224.1	246.1	252.3	241.8	214.0	184.8	160.1	142.9
65°	148.4	157.7	170.9	188.1	203.2	206.2	199.5	170.9	148.8	128.1	116.3
67.5°	124.8	130.8	141.2	156.0	164.1	165.8	152.8	134.8	115.3	102.6	93.7
70°	108.9	113.2	122.8	130.8	137.4	137.6	125.6	111.2	96.2	85.9	79.4
72.5°	93.5	97.6	105.0	110.4	115.5	113.8	102.8	91.5	79.4	71.5	66.7
75°	72.1	75.8	79.5	82.1	82.1	80.0	72.0	63.5	56.5	51.9	50.5
77.5°	52.4	55.4	56.7	56.3	55.6	52.3	47.2	41.6	39.1	37.0	35.8
80°	41.2	42.4	42.8	41.8	40.5	36.7	33.3	31.0	28.7	27.8	27.5
82.5°	30.5	31.7	30.5	30.9	28.0	24.9	23.0	22.2	21.3	21.0	20.5
85°	16.2	16.1	15.6	14.5	12.7	12.2	12.0	11.9	11.4	11.6	11.1
87.5°	6.2	6.3	5.8	5.9	5.9	6.8	7.0	7.4	7.8	7.4	7.9
90°	3.1	6.2	7.2	8.3	8.3	14.5	14.5	16.6	18.6	17.7	18.6
92.5°	17.2	26.9	39.6	54.8	76.2	128.9	209.3	287.7	328.7	273.8	203.5
95°	37.3	47.7	61.2	86.0	129.6	219.6	389.6	637.2	844.5	868.3	767.8
97.5°	61.3	70.3	82.7	104.1	140.5	209.9	350.3	596.4	889.5	1090.9	1134.4
100°	78.7	86.0	98.4	118.2	151.3	212.4	329.5	540.9	833.0	1098.3	1249.6
102.5°	97.0	103.4	115.0	133.8	165.4	220.7	323.7	503.5	762.6	1036.2	1243.8
105°	124.3	129.6	142.0	160.6	190.6	240.4	326.4	471.4	679.8	923.2	1160.5
107.5°	151.9	157.1	170.3	188.2	217.8	263.4	341.7	465.7	633.3	832.1	1042.1
110°	170.9	176.1	188.6	207.2	235.2	280.8	353.3	467.3	617.6	786.5	970.9



TEST NUMBER: P332891-940

CATALOG NUMBER: S124RDIP-S350D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	189.2	195.2	206.8	225.5	253.4	297.4	365.8	472.3	610.1	760.7	918.6
115°	216.6	223.8	234.2	253.9	281.9	323.2	385.5	481.8	606.2	736.7	866.2
117.5°	243.7	250.1	261.5	280.0	309.0	348.4	405.6	492.0	605.1	725.9	840.5
120°	261.1	268.4	279.7	297.4	326.4	365.8	419.6	499.4	605.1	720.1	828.9
122.5°	277.7	285.0	295.5	314.8	343.0	382.4	432.9	506.9	604.3	713.5	818.9
125°	301.5	307.7	319.1	338.9	367.8	405.1	452.8	518.1	603.1	702.5	802.0
127.5°	319.9	327.4	340.5	361.0	390.2	426.2	470.0	527.0	600.7	687.8	781.2
130°	331.5	339.8	355.4	375.1	405.1	440.4	480.8	533.6	599.9	678.7	764.7
132.5°	341.5	352.3	367.0	388.3	416.8	452.0	491.6	539.4	599.1	670.4	747.3
135°	357.5	367.8	385.5	407.2	434.2	468.3	505.7	548.1	597.9	658.0	723.3
137.5°	372.4	383.8	400.6	423.2	448.9	480.8	515.6	553.3	597.6	647.2	701.5
140°	382.4	393.8	411.3	433.1	458.0	489.1	522.2	557.5	596.8	641.4	689.0
142.5°	394.0	404.5	421.3	442.2	466.3	496.5	527.2	560.8	596.8	636.4	677.4
145°	410.4	420.7	435.2	454.9	477.7	504.6	532.6	562.7	594.8	627.9	661.1
147.5°	426.7	435.8	450.8	467.1	487.6	512.9	537.3	563.7	591.0	620.3	647.6
150°	438.3	446.6	459.1	474.6	494.3	517.0	539.8	563.7	588.5	614.5	639.4
152.5°	448.3	456.6	468.1	482.1	500.1	520.4	541.5	562.0	584.4	607.8	630.2
155°	464.2	470.4	480.8	492.2	507.7	525.3	543.0	559.5	578.2	597.9	616.5
157.5°	477.9	483.7	491.8	501.7	514.0	528.9	543.0	556.9	571.8	587.7	601.8
160°	487.0	491.2	498.4	506.7	518.1	530.5	543.0	554.4	566.8	580.2	592.7
162.5°	494.5	497.8	504.2	511.7	520.6	532.2	543.0	551.9	561.8	573.6	583.5
165°	504.6	506.7	511.8	517.0	523.3	532.6	540.9	547.1	554.4	562.7	571.0
167.5°	512.9	514.0	517.9	520.8	525.6	532.4	538.4	542.2	546.9	552.7	558.7
170°	517.0	518.1	521.2	523.3	526.4	531.5	536.7	538.8	541.9	546.1	551.3
172.5°	521.2	521.4	523.7	525.0	527.2	530.7	535.1	535.5	536.9	540.3	544.6
175°	525.3	525.3	526.4	527.4	527.4	529.5	532.6	531.5	531.5	533.6	535.7
177.5°	527.4	526.6	527.4	527.4	527.4	528.2	529.9	528.2	528.2	529.1	529.9
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	549.5	550.1	550.6	552.3	552.5	554.0	552.5
5°	594.9	597.9	602.5	607.2	607.6	610.6	605.3
7.5°	645.9	652.7	657.0	664.5	667.4	669.3	666.3
10°	681.0	687.3	698.6	704.0	709.5	710.3	707.8
12.5°	715.0	725.0	733.8	744.2	744.0	751.4	748.7
15°	760.2	770.5	782.7	794.3	798.5	798.5	801.9
17.5°	792.4	811.4	824.0	833.1	843.1	844.8	843.6
20°	814.2	834.6	848.2	860.0	866.7	868.6	868.6
22.5°	830.4	847.8	861.0	871.6	877.2	879.4	878.8
25°	841.6	856.6	864.6	867.8	869.2	868.9	864.9
27.5°	826.3	825.5	820.6	810.8	803.5	799.1	794.0
30°	796.9	785.9	773.2	759.3	741.4	727.6	723.4
32.5°	753.1	728.5	707.0	683.9	664.6	650.9	645.1
35°	668.6	629.5	597.6	569.8	549.6	536.9	532.6
37.5°	568.2	530.4	491.0	464.0	447.1	434.4	429.6
40°	504.4	463.2	428.8	403.5	386.2	373.7	373.5
42.5°	446.1	406.8	374.4	356.2	337.6	329.3	329.3
45°	365.3	333.9	306.4	292.0	280.9	274.1	272.2
47.5°	302.5	276.4	258.2	246.7	237.6	233.4	230.5
50°	267.2	244.4	229.8	219.9	214.8	209.4	208.9
52.5°	237.8	219.4	208.0	200.0	193.6	190.3	190.4
55°	199.8	185.3	177.3	171.1	166.1	163.5	162.5
57.5°	168.4	157.5	151.6	146.0	143.8	141.9	141.3
60°	148.8	141.4	135.9	131.4	128.3	127.7	127.4
62.5°	132.6	124.8	121.1	117.6	115.3	114.3	114.0
65°	109.3	103.6	100.2	97.5	96.7	95.1	95.0
67.5°	88.1	84.7	82.5	80.6	79.5	79.4	79.4
70°	75.2	73.2	71.3	70.3	69.6	69.2	69.2
72.5°	64.0	62.6	61.0	60.5	60.4	59.9	59.7
75°	48.8	47.3	47.5	46.5	45.6	44.5	43.9
77.5°	34.6	33.5	33.3	33.2	32.5	32.4	32.6
80°	26.8	25.8	25.5	25.8	25.5	24.9	24.9
82.5°	20.4	19.5	19.3	19.2	19.0	19.2	18.8
85°	11.0	10.5	10.5	10.5	11.0	10.8	10.5
87.5°	7.8	7.8	8.0	8.0	8.3	7.9	8.0
90°	19.7	20.7	20.7	21.8	22.8	21.8	21.8
92.5°	153.1	121.9	101.1	88.9	83.3	79.8	79.8
95°	607.2	468.3	367.8	317.1	285.0	266.3	252.8
97.5°	1074.7	973.4	865.2	790.8	728.4	697.3	675.8
100°	1270.3	1219.6	1142.9	1052.8	989.5	958.5	950.2
102.5°	1346.6	1361.3	1329.4	1274.1	1228.2	1195.5	1188.9
105°	1339.8	1442.3	1484.8	1486.9	1478.6	1464.1	1457.9
107.5°	1233.1	1377.5	1469.9	1521.1	1544.7	1555.1	1557.8
110°	1150.1	1300.4	1414.3	1487.9	1531.4	1550.2	1559.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1077.2	1219.1	1333.1	1416.7	1469.3	1495.4	1510.6
115°	993.7	1114.9	1214.4	1296.3	1358.4	1391.6	1399.9
117.5°	946.0	1041.3	1125.7	1195.5	1247.8	1281.3	1287.7
120°	925.3	1008.2	1081.7	1140.9	1186.4	1213.4	1224.8
122.5°	912.0	987.5	1052.0	1101.9	1140.9	1163.6	1175.0
125°	891.1	962.6	1019.6	1061.0	1091.1	1110.8	1117.0
127.5°	866.5	937.7	991.8	1033.5	1060.2	1076.8	1083.0
130°	846.6	917.0	972.0	1014.4	1040.3	1056.9	1063.1
132.5°	824.2	893.0	947.9	989.5	1018.8	1034.5	1040.7
135°	790.6	853.8	905.6	947.1	976.1	992.7	998.9
137.5°	758.5	811.7	858.5	897.3	926.0	939.6	947.1
140°	737.7	784.3	827.9	864.2	887.0	901.4	909.7
142.5°	720.3	760.4	798.1	830.2	851.3	864.2	870.0
145°	696.3	727.4	756.4	782.3	800.0	810.3	815.5
147.5°	675.6	700.4	723.3	742.3	757.4	765.4	767.1
150°	663.2	683.9	702.5	719.1	732.5	738.8	739.9
152.5°	650.7	669.8	685.1	699.2	710.2	713.9	715.0
155°	633.1	648.6	661.1	671.5	679.8	682.9	682.9
157.5°	615.7	628.7	638.7	646.6	652.8	654.7	654.7
160°	604.0	615.5	623.8	630.0	636.2	637.2	637.2
162.5°	593.3	602.3	609.7	614.2	620.5	621.5	620.6
165°	577.1	584.4	589.6	593.7	597.9	596.8	595.8
167.5°	563.5	569.3	572.4	574.4	577.1	576.9	576.1
170°	554.4	558.5	561.6	563.7	564.7	563.7	563.7
172.5°	546.9	549.4	551.6	552.9	553.9	552.9	551.3
175°	536.7	538.8	538.8	538.8	540.9	538.8	536.7
177.5°	530.7	530.7	531.5	530.7	531.5	529.9	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4

(END OF REPORT)