

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: P333153

Luminaire Tested: **S125DIP-S375D1205U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333153
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D1205U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5861.4 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

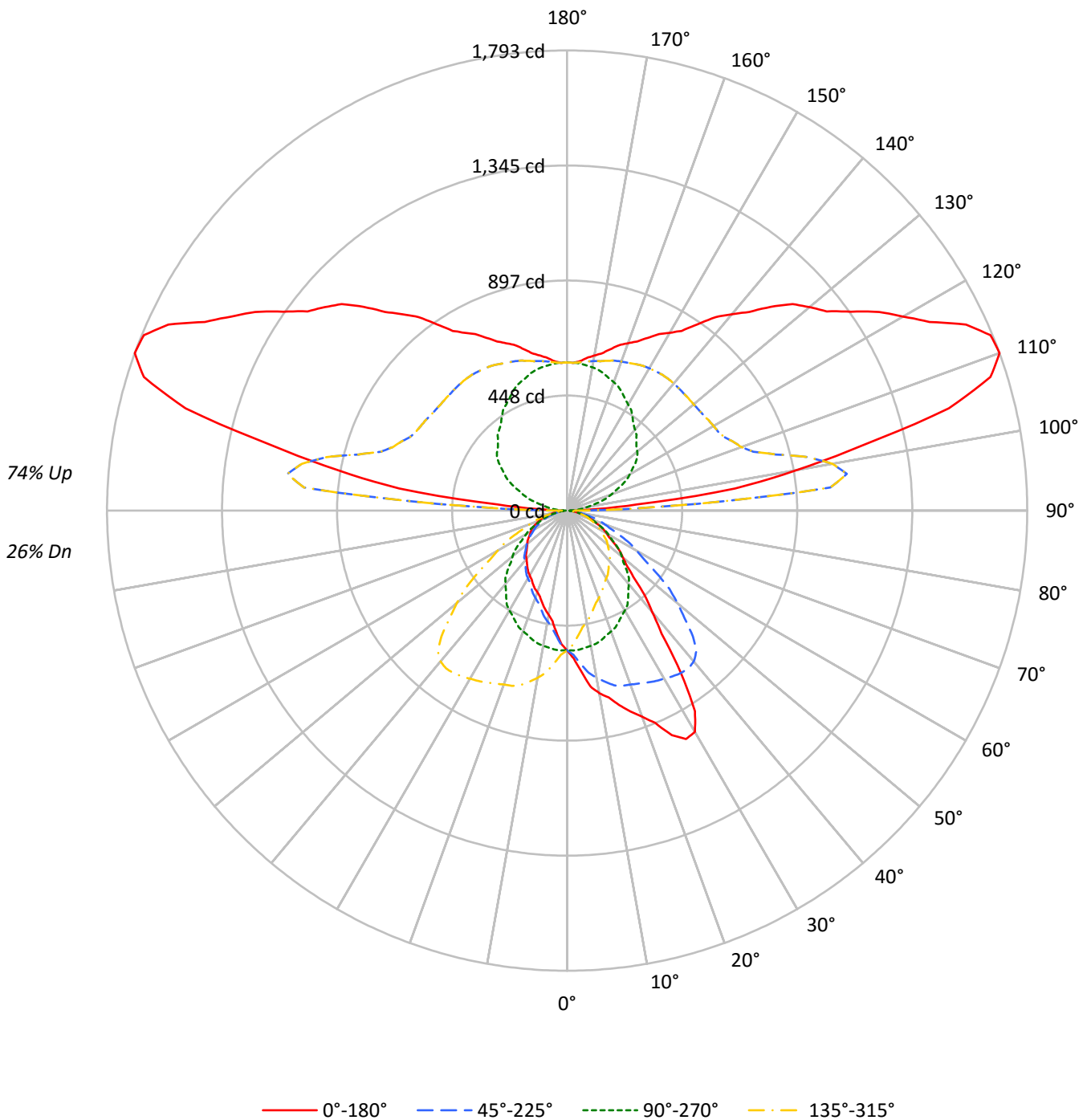
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	93	88	85	81	82	79	76	73	61	59	58	45	44	43	30	30	29	22
2	84	77	71	67	75	69	64	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	55	68	61	55	50	48	44	40	35	33	30	24	22	21	16
4	70	60	53	47	63	54	47	43	42	38	34	31	28	26	21	20	18	14
5	64	53	46	40	57	48	41	36	38	33	29	28	25	23	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14	11
7	55	43	35	30	49	39	32	27	31	26	22	23	20	17	16	14	12	9
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	15	13	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3516	3516	3516	3516
5°	4071	3528	3089	3528
10°	4737	3510	2706	3510
15°	5243	3484	2497	3484
20°	5869	3443	2328	3443
25°	6876	3397	2246	3397
30°	7427	3351	2175	3351
35°	6106	3266	2128	3266
40°	4340	3148	2076	3148
45°	3335	2988	2047	2988
50°	2846	2790	2043	2790
55°	2535	2597	2061	2597
60°	2286	2384	2113	2384
65°	2112	2172	2168	2172
70°	1920	1951	2200	1951
75°	1694	1719	2178	1719
80°	1428	1402	1993	1402
85°	1134	1008	1608	1008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	0.9
10°-20°	156.0	2.7
20°-30°	253.4	4.3
30°-40°	309.1	5.3
40°-50°	281.2	4.8
50°-60°	224.0	3.8
60°-70°	156.0	2.7
70°-80°	83.2	1.4
80°-90°	24.2	0.4
90°-100°	417.8	7.1
100°-110°	898.0	15.3
110°-120°	842.8	14.4
120°-130°	683.0	11.7
130°-140°	548.1	9.4
140°-150°	413.6	7.1
150°-160°	291.2	5.0
160°-170°	171.6	2.9
170°-180°	55.8	1.0
0°-30°	461.8	7.9
0°-40°	770.9	13.2
0°-60°	1276.0	21.8
0°-90°	1539.4	26.3
90°-120°	2158.6	36.8
90°-150°	3803.4	64.9
90°-180°	4322.0	73.7
0°-180°	5861.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	628	544	476	544	628	63
15°	784	521	373	521	784	224
25°	965	477	315	477	965	441
35°	774	414	270	414	774	474
45°	365	327	224	327	365	292
55°	225	231	183	231	225	203
65°	138	142	142	142	138	137
75°	68	69	87	69	68	73
85°	15	14	22	14	15	18
90°	27	1	27	1	27	19
95°	273	38	273	38	273	387
105°	1540	131	1540	131	1540	1530
115°	1715	235	1715	235	1715	1676
125°	1351	325	1351	325	1351	1223
135°	1122	381	1122	381	1122	870
145°	885	444	885	444	885	563
155°	742	507	742	507	742	346
165°	651	553	651	553	651	186
175°	584	575	584	575	584	57
180°	576	576	576	576	576	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	575.8	575.1	574.3	572.9	574.0	570.8	569.4	566.8	563.6	562.5	561.2
5°	628.0	629.2	630.4	625.5	626.0	622.7	615.3	609.3	604.5	598.2	593.8
7.5°	690.9	688.2	687.9	684.8	679.4	675.0	667.3	657.4	647.8	636.9	627.9
10°	722.3	722.6	720.5	716.8	711.0	706.8	696.7	687.0	675.2	661.3	651.4
12.5°	746.0	747.0	744.3	739.3	736.5	727.2	719.2	707.7	693.7	682.6	667.5
15°	784.2	781.7	779.9	773.6	768.8	759.1	746.4	734.3	719.1	705.0	690.9
17.5°	821.1	823.2	819.7	814.0	798.9	787.6	770.6	754.1	735.1	716.2	699.4
20°	854.0	855.9	850.6	840.6	822.6	811.3	788.9	767.6	745.7	721.4	702.9
22.5°	895.1	893.6	886.4	871.3	855.7	834.8	810.5	784.6	757.1	729.7	705.1
25°	964.9	955.2	950.8	932.1	911.6	880.8	847.6	809.7	775.5	739.2	707.8
27.5°	1003.7	1000.6	995.7	982.7	961.1	928.2	889.0	842.8	794.6	748.8	707.6
30°	995.9	996.4	996.8	992.7	978.8	954.1	915.0	865.4	808.0	756.5	708.9
32.5°	927.1	935.5	943.6	953.1	957.0	952.2	927.8	882.9	823.9	765.4	708.2
35°	774.5	777.1	803.2	829.1	864.2	891.5	909.7	889.8	840.2	772.9	707.3
37.5°	603.9	616.4	634.5	663.7	714.4	759.8	818.2	845.0	829.0	775.4	705.7
40°	514.8	526.4	538.2	568.0	610.7	665.7	732.0	788.6	801.8	767.6	700.1
42.5°	446.1	455.2	468.3	490.7	526.4	575.1	638.5	712.5	758.0	745.1	688.5
45°	365.1	370.9	381.0	398.8	424.7	462.8	518.7	599.6	670.1	693.4	660.9
47.5°	312.5	312.5	320.4	332.6	351.3	383.7	425.1	488.4	563.7	619.4	616.8
50°	283.3	282.1	288.4	299.0	313.8	335.3	374.8	425.4	497.7	560.8	578.4
52.5°	258.1	258.3	262.1	270.0	282.4	300.7	330.2	375.9	437.6	502.4	535.5
55°	225.1	224.1	228.5	233.8	242.9	254.9	276.1	311.0	361.2	424.9	467.9
57.5°	194.7	197.3	199.0	202.7	210.2	218.3	236.2	261.8	301.6	356.3	401.7
60°	177.0	179.5	180.9	184.6	190.6	197.6	211.4	232.2	265.7	312.9	357.9
62.5°	161.1	163.1	163.6	166.9	171.8	178.5	189.4	206.9	233.4	274.6	318.7
65°	138.2	138.2	139.1	142.6	144.9	150.9	159.2	171.9	193.2	225.3	263.0
67.5°	116.1	117.2	117.0	118.5	120.6	125.3	131.2	141.7	157.5	180.9	211.1
70°	101.7	102.6	102.4	103.5	105.8	108.8	113.7	123.6	134.9	155.0	180.9
72.5°	88.7	89.1	88.5	90.0	91.4	94.0	99.5	104.8	115.3	132.3	153.6
75°	67.9	68.4	68.9	69.8	71.2	72.6	75.3	80.6	87.6	100.3	113.9
77.5°	50.9	50.0	51.2	51.0	51.8	52.9	55.3	58.1	63.8	71.9	82.4
80°	38.4	38.6	38.6	38.8	40.0	40.7	42.7	44.8	49.2	55.2	62.6
82.5°	28.0	28.6	28.2	28.7	29.6	30.1	31.3	33.0	35.5	40.3	45.6
85°	15.3	14.1	14.6	15.0	15.0	15.3	16.2	16.9	18.3	20.1	22.2
87.5°	9.8	10.2	10.1	10.1	10.3	9.8	10.3	10.1	10.4	10.7	11.0
90°	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9	19.8	18.6	16.3
92.5°	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9	303.3	374.6	380.7
95°	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4	1007.4	1029.5	840.1
97.5°	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2	1274.7	1099.4	750.2
100°	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2	1339.7	1049.2	669.3
102.5°	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5	1300.7	960.9	607.9
105°	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8	1175.9	842.4	548.4
107.5°	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7	1048.6	760.8	523.3
110°	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0	976.0	722.7	515.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8	922.1	700.4	515.9
115°	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1	863.3	676.3	519.4
117.5°	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2	828.2	664.4	527.1
120°	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8	808.7	658.8	534.5
122.5°	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7	792.0	654.2	541.0
125°	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2	769.2	648.4	551.9
127.5°	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0	748.3	645.6	564.2
130°	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8	734.4	643.7	571.7
132.5°	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5	723.2	643.7	580.0
135°	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3	710.0	643.7	591.4
137.5°	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8	698.1	645.1	601.9
140°	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8	692.5	646.0	606.5
142.5°	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7	687.9	647.0	609.3
145°	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9	680.9	646.0	612.4
147.5°	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1	673.7	643.0	613.5
150°	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7	668.1	640.2	613.5
152.5°	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4	661.6	636.5	612.6
155°	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4	650.7	629.8	610.0
157.5°	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5	640.5	622.8	607.0
160°	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2	632.1	618.2	604.2
162.5°	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0	624.7	612.6	601.4
165°	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8	613.5	604.2	597.2
167.5°	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3	602.6	596.1	590.7
170°	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9	596.1	591.4	588.0
172.5°	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5	589.6	585.9	584.2
175°	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5	581.0	579.8	579.8
177.5°	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2	577.3	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	560.1	558.8	557.3	554.7	551.6	549.9	547.4	545.7	542.4	539.6	536.6
5°	588.5	582.5	577.0	569.8	562.0	556.9	550.9	544.2	537.2	530.1	522.2
7.5°	618.0	607.3	595.8	583.4	571.2	560.0	549.3	538.9	529.1	517.2	507.2
10°	637.7	624.3	610.0	593.2	576.7	562.4	547.9	535.2	522.2	508.4	496.1
12.5°	657.5	639.7	619.4	600.9	581.2	563.9	546.8	530.5	514.3	498.9	484.6
15°	671.5	655.8	637.1	610.7	588.5	564.7	542.1	521.1	501.4	484.3	466.3
17.5°	680.7	660.4	640.3	615.1	586.0	559.4	533.7	509.6	487.5	465.8	448.5
20°	682.3	661.5	640.5	615.8	586.0	555.5	529.8	501.0	477.2	454.7	433.5
22.5°	681.8	658.2	635.3	609.9	580.8	552.7	521.7	492.3	466.4	444.4	422.2
25°	676.6	651.4	622.7	597.1	568.4	538.6	507.2	476.7	450.4	425.2	403.2
27.5°	672.2	639.6	607.1	577.2	549.5	522.2	492.1	460.9	431.7	406.2	385.5
30°	666.9	631.0	594.5	563.3	534.9	508.4	479.9	449.4	418.9	394.0	371.8
32.5°	662.1	620.3	581.8	547.8	517.7	491.9	465.7	436.7	406.7	381.4	359.2
35°	652.8	604.5	560.3	522.0	489.9	463.3	441.3	414.3	386.8	362.3	341.1
37.5°	641.0	583.7	536.3	496.1	460.9	432.9	412.5	391.7	365.3	341.7	322.5
40°	631.7	568.9	518.7	477.6	441.1	412.0	393.0	373.4	351.5	329.5	309.2
42.5°	620.1	555.6	501.0	456.7	420.6	392.2	372.3	355.7	336.3	315.8	297.0
45°	598.7	531.5	472.3	424.7	388.2	360.2	339.7	327.2	312.6	293.2	277.3
47.5°	567.2	502.5	441.3	392.2	354.5	328.6	309.3	297.3	287.1	272.7	258.2
50°	539.3	480.9	418.9	370.2	332.5	306.4	288.6	277.7	269.0	257.9	245.6
52.5°	508.1	453.7	396.9	348.7	311.4	285.7	268.3	258.7	251.4	243.5	231.4
55°	458.4	412.2	359.5	313.8	279.4	254.2	238.9	230.6	224.6	218.6	211.2
57.5°	403.8	367.6	321.0	279.1	247.4	224.5	210.3	202.2	197.5	194.4	190.1
60°	365.3	334.4	294.2	256.0	225.1	204.7	190.9	184.6	180.7	178.2	174.9
62.5°	329.6	304.2	267.0	232.2	205.1	185.9	173.5	167.4	163.7	162.4	159.8
65°	277.1	257.4	226.7	197.8	174.7	158.3	147.9	142.1	139.8	138.4	138.6
67.5°	225.2	213.3	188.6	164.0	145.5	131.8	123.4	119.0	117.8	116.0	116.0
70°	193.6	184.6	163.8	142.3	125.9	115.3	107.9	103.3	102.1	101.2	101.0
72.5°	165.7	157.8	139.8	122.6	107.8	98.5	92.4	89.6	87.7	87.2	87.1
75°	124.5	120.2	105.8	92.2	82.0	75.6	71.4	68.9	67.5	67.2	67.5
77.5°	88.5	84.7	75.6	65.9	59.5	54.6	51.1	50.2	48.7	48.7	48.5
80°	66.5	64.0	58.2	50.6	45.3	41.1	39.3	37.7	37.2	36.5	37.2
82.5°	48.2	45.5	41.6	36.7	32.3	29.9	28.0	27.5	27.2	26.9	27.0
85°	23.8	24.0	21.7	18.0	16.2	14.8	13.6	13.6	13.4	13.2	13.4
87.5°	11.2	10.3	9.3	8.3	6.9	5.9	5.3	5.2	4.9	5.2	5.8
90°	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2	2.3	4.6	7.0
92.5°	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2	17.2	27.0	41.4
95°	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3	39.5	48.8	61.6
97.5°	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7	65.1	71.6	84.4
100°	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3	83.7	88.3	101.1
102.5°	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9	102.3	106.0	119.7
105°	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3	131.3	137.1	148.7
107.5°	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0	163.4	168.9	178.5
110°	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4	184.8	189.4	199.9



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8	206.1	209.8	220.3
115°	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7	237.0	240.5	251.0
117.5°	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6	266.1	269.8	280.3
120°	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2	284.7	289.3	299.8
122.5°	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7	303.3	307.0	317.4
125°	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3	327.7	333.5	343.9
127.5°	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6	348.1	355.6	368.8
130°	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7	360.2	369.5	384.6
132.5°	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0	370.4	381.6	398.6
135°	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1	385.8	399.7	418.3
137.5°	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2	403.7	416.7	435.3
140°	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3	414.8	428.8	447.4
142.5°	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3	426.9	439.9	458.5
145°	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9	446.2	457.8	474.1
147.5°	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3	465.7	475.7	490.8
150°	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4	478.7	486.9	502.0
152.5°	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4	490.8	498.0	511.3
155°	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6	506.6	513.6	525.2
157.5°	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0	521.7	527.3	537.3
160°	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2	531.0	535.7	543.8
162.5°	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5	539.4	544.0	551.2
165°	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1	550.8	554.3	560.1
167.5°	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5	560.3	562.4	565.6
170°	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0	565.9	567.0	569.4
172.5°	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8	568.7	569.8	572.1
175°	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2	572.8	574.0	575.2
177.5°	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3	575.4	575.4	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	535.0	532.9	531.3	527.6	525.5	522.8	520.6	523.0	520.4	521.5	519.8
5°	518.3	511.8	507.2	500.5	494.7	489.4	485.5	484.8	482.9	482.0	479.2
7.5°	498.2	490.1	482.2	473.4	466.0	458.5	453.7	449.7	447.1	443.6	441.2
10°	486.4	475.5	466.3	455.7	446.4	438.3	431.9	428.6	425.6	421.2	419.6
12.5°	471.8	460.6	449.3	437.9	429.0	420.0	414.5	409.6	407.5	402.6	402.1
15°	454.3	437.4	426.3	414.8	402.5	395.1	390.5	385.2	382.9	379.4	376.9
17.5°	433.4	418.3	404.5	392.5	382.0	375.8	370.0	366.4	362.4	360.1	356.0
20°	418.2	403.9	390.0	377.3	369.2	362.1	357.5	354.0	349.8	348.7	344.5
22.5°	405.5	389.7	376.4	365.7	356.9	348.8	343.8	341.4	338.6	335.0	334.2
25°	384.7	368.3	357.0	346.4	338.5	331.1	327.7	324.7	321.9	319.3	318.4
27.5°	366.8	352.1	338.7	329.1	322.2	315.5	312.5	308.8	306.8	304.7	302.2
30°	354.2	339.2	327.4	318.2	310.8	304.8	301.5	299.0	297.2	295.3	293.9
32.5°	341.3	327.4	316.0	306.9	299.5	295.0	292.1	290.3	288.3	286.1	284.3
35°	324.2	308.9	297.8	290.0	284.2	280.7	277.5	275.9	273.6	273.6	271.7
37.5°	304.9	291.7	281.9	274.8	269.6	266.5	263.0	261.9	260.4	259.4	258.8
40°	293.5	281.2	272.0	264.8	259.3	256.7	253.9	252.1	251.2	250.0	249.6
42.5°	281.6	269.9	261.1	254.5	249.6	247.5	244.9	243.6	241.7	240.2	239.9
45°	263.6	252.3	244.2	238.9	234.8	232.2	230.6	227.8	226.9	225.1	224.8
47.5°	246.6	235.7	227.8	223.4	219.8	217.7	215.2	212.4	211.3	210.4	210.3
50°	233.8	223.9	216.5	212.4	208.9	205.9	203.3	201.5	200.8	200.8	201.3
52.5°	220.9	212.4	206.2	201.1	197.8	194.6	192.2	191.1	190.1	191.2	192.0
55°	202.0	193.4	188.8	183.9	180.7	177.0	175.8	175.4	174.7	176.5	177.5
57.5°	181.9	175.9	170.5	165.7	162.8	160.6	159.1	158.8	160.1	161.0	164.0
60°	169.1	162.2	157.4	153.7	150.2	148.8	148.3	147.9	148.8	151.3	155.3
62.5°	155.1	149.5	144.2	141.5	138.9	136.6	136.5	136.8	138.6	141.6	145.5
65°	134.5	129.6	126.2	122.9	120.8	119.5	119.9	120.8	122.9	126.9	131.2
67.5°	113.5	110.2	107.1	104.5	102.5	102.5	103.0	104.4	106.8	111.3	115.3
70°	100.1	96.4	93.8	92.7	91.0	90.1	91.5	93.8	95.9	100.1	103.5
72.5°	86.6	83.4	81.4	80.6	79.9	79.2	79.7	82.2	85.0	89.1	93.2
75°	66.5	65.4	64.0	63.1	62.4	62.9	63.3	65.6	67.9	72.3	76.9
77.5°	48.6	47.4	46.5	46.3	45.9	46.2	47.5	49.2	51.4	54.6	58.1
80°	36.7	36.3	35.8	35.6	35.6	35.8	37.7	38.8	40.9	43.9	46.7
82.5°	26.8	26.5	26.4	26.3	26.5	26.6	27.7	29.2	30.9	33.2	35.6
85°	14.1	13.6	14.3	14.6	14.1	14.8	15.3	16.2	16.9	18.0	19.2
87.5°	6.5	7.3	7.4	8.0	8.2	9.1	9.1	10.1	10.7	11.3	11.6
90°	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9	22.1	23.2	25.6
92.5°	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9	149.4	112.5	95.3
95°	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4	658.8	515.9	418.3
97.5°	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2	1120.4	981.2	845.4
100°	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2	1372.3	1252.6	1131.7
102.5°	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5	1526.6	1469.2	1387.4
105°	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8	1614.0	1665.1	1652.3
107.5°	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7	1536.1	1667.4	1728.1
110°	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0	1447.8	1611.6	1710.4



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8	1360.4	1526.1	1642.5
115°	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1	1235.2	1394.3	1521.0
117.5°	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2	1148.5	1285.6	1401.8
120°	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8	1099.2	1227.0	1329.3
122.5°	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7	1063.9	1177.8	1273.5
125°	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2	1016.7	1117.8	1201.5
127.5°	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0	971.6	1066.0	1144.3
130°	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8	940.0	1030.7	1106.2
132.5°	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5	910.3	992.5	1065.3
135°	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3	864.5	938.9	1005.1
137.5°	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8	823.6	885.4	941.7
140°	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8	799.4	852.9	901.7
142.5°	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7	779.0	825.0	867.3
145°	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9	752.9	789.0	820.3
147.5°	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1	731.3	759.0	782.7
150°	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7	719.3	741.3	762.2
152.5°	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4	707.2	727.4	743.7
155°	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4	689.0	705.3	718.1
157.5°	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5	671.8	684.4	694.4
160°	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2	658.8	670.4	678.6
162.5°	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0	647.7	657.4	664.6
165°	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8	630.9	637.9	643.7
167.5°	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3	614.7	620.0	624.2
170°	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9	605.4	608.9	611.2
172.5°	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5	597.0	599.6	601.0
175°	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5	584.5	586.8	586.8
177.5°	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2	579.1	579.1	579.1
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	518.7	520.0	518.9	520.4	518.9	520.0	518.7	519.8	521.5	520.4	523.0
5°	478.1	476.0	477.4	476.5	477.4	476.0	478.1	479.2	482.0	482.9	484.8
7.5°	440.6	438.6	436.3	435.2	436.3	438.6	440.6	441.2	443.6	447.1	449.7
10°	417.1	414.5	414.3	412.7	414.3	414.5	417.1	419.6	421.2	425.6	428.6
12.5°	399.9	397.5	394.9	394.2	394.9	397.5	399.9	402.1	402.6	407.5	409.6
15°	375.5	373.6	372.0	373.4	372.0	373.6	375.5	376.9	379.4	382.9	385.2
17.5°	355.2	353.7	353.4	351.7	353.4	353.7	355.2	356.0	360.1	362.4	366.4
20°	342.4	341.3	341.8	338.7	341.8	341.3	342.4	344.5	348.7	349.8	354.0
22.5°	332.3	330.0	329.7	329.1	329.7	330.0	332.3	334.2	335.0	338.6	341.4
25°	316.3	315.2	314.0	315.2	314.0	315.2	316.3	318.4	319.3	321.9	324.7
27.5°	302.4	301.0	300.7	300.9	300.7	301.0	302.4	302.2	304.7	306.8	308.8
30°	293.9	291.6	291.8	291.6	291.8	291.6	293.9	293.9	295.3	297.2	299.0
32.5°	284.7	283.1	282.8	282.4	282.8	283.1	284.7	284.3	286.1	288.3	290.3
35°	271.0	271.0	269.9	269.9	269.9	271.0	271.0	271.7	273.6	273.6	275.9
37.5°	258.2	258.0	257.3	257.4	257.3	258.0	258.2	258.8	259.4	260.4	261.9
40°	248.6	248.4	247.7	246.3	247.7	248.4	248.6	249.6	250.0	251.2	252.1
42.5°	239.4	238.6	238.3	237.8	238.3	238.6	239.4	239.9	240.2	241.7	243.6
45°	224.8	224.8	224.4	224.1	224.4	224.8	224.8	224.8	225.1	226.9	227.8
47.5°	210.7	211.1	212.0	211.8	212.0	211.1	210.7	210.3	210.4	211.3	212.4
50°	202.2	202.4	203.1	203.3	203.1	202.4	202.2	201.3	200.8	200.8	201.5
52.5°	192.8	194.1	195.0	194.8	195.0	194.1	192.8	192.0	191.2	190.1	191.1
55°	179.5	181.2	182.8	183.0	182.8	181.2	179.5	177.5	176.5	174.7	175.4
57.5°	166.5	168.7	170.4	171.0	170.4	168.7	166.5	164.0	161.0	160.1	158.8
60°	157.6	160.6	162.7	163.6	162.7	160.6	157.6	155.3	151.3	148.8	147.9
62.5°	149.1	152.5	154.5	154.7	154.5	152.5	149.1	145.5	141.6	138.6	136.8
65°	135.2	138.6	140.5	141.9	140.5	138.6	135.2	131.2	126.9	122.9	120.8
67.5°	120.2	123.7	125.7	126.8	125.7	123.7	120.2	115.3	111.3	106.8	104.4
70°	109.3	112.8	115.5	116.5	115.5	112.8	109.3	103.5	100.1	95.9	93.8
72.5°	98.6	101.7	103.9	105.0	103.9	101.7	98.6	93.2	89.1	85.0	82.2
75°	79.9	84.1	86.2	87.3	86.2	84.1	79.9	76.9	72.3	67.9	65.6
77.5°	61.6	65.4	66.7	67.3	66.7	65.4	61.6	58.1	54.6	51.4	49.2
80°	49.4	51.8	53.4	53.6	53.4	51.8	49.4	46.7	43.9	40.9	38.8
82.5°	38.0	39.9	40.4	41.0	40.4	39.9	38.0	35.6	33.2	30.9	29.2
85°	20.8	21.7	22.0	21.7	22.0	21.7	20.8	19.2	18.0	16.9	16.2
87.5°	12.0	11.8	12.0	12.4	12.0	11.8	12.0	11.6	11.3	10.7	10.1
90°	25.6	25.6	26.7	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9
92.5°	80.4	77.6	76.0	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9
95°	335.8	300.9	291.7	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4
97.5°	773.6	708.6	674.9	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2
100°	1051.6	967.9	924.9	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2
102.5°	1301.6	1242.1	1195.4	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5
105°	1615.1	1576.8	1553.5	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8
107.5°	1746.9	1746.7	1739.0	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7
110°	1762.7	1784.8	1792.9	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1719.0	1756.9	1777.1	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8
115°	1611.6	1667.4	1699.9	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1
117.5°	1492.4	1550.1	1582.4	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2
120°	1415.3	1471.0	1502.4	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8
122.5°	1350.2	1401.3	1432.7	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7
125°	1266.5	1314.2	1339.7	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2
127.5°	1203.3	1245.4	1269.6	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0
130°	1164.3	1202.6	1225.9	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8
132.5°	1123.4	1161.7	1183.1	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5
135°	1056.2	1094.6	1115.5	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3
137.5°	987.4	1022.3	1041.6	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8
140°	944.7	974.9	992.3	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8
142.5°	903.8	929.3	945.8	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7
145°	848.2	868.0	880.8	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9
147.5°	804.8	820.6	828.0	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1
150°	779.7	793.6	798.3	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7
152.5°	758.3	769.4	774.1	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4
155°	729.7	737.8	741.3	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4
157.5°	703.4	710.2	713.4	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5
160°	686.7	692.5	694.9	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2
162.5°	670.9	675.8	676.3	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0
165°	648.4	650.7	650.7	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8
167.5°	626.5	628.6	627.7	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3
170°	613.5	614.7	614.7	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9
172.5°	601.4	603.5	601.7	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5
175°	586.8	588.0	585.6	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5
177.5°	578.2	579.1	576.3	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	520.6	522.8	525.5	527.6	531.3	532.9	535.0	536.6	539.6	542.4	545.7
5°	485.5	489.4	494.7	500.5	507.2	511.8	518.3	522.2	530.1	537.2	544.2
7.5°	453.7	458.5	466.0	473.4	482.2	490.1	498.2	507.2	517.2	529.1	538.9
10°	431.9	438.3	446.4	455.7	466.3	475.5	486.4	496.1	508.4	522.2	535.2
12.5°	414.5	420.0	429.0	437.9	449.3	460.6	471.8	484.6	498.9	514.3	530.5
15°	390.5	395.1	402.5	414.8	426.3	437.4	454.3	466.3	484.3	501.4	521.1
17.5°	370.0	375.8	382.0	392.5	404.5	418.3	433.4	448.5	465.8	487.5	509.6
20°	357.5	362.1	369.2	377.3	390.0	403.9	418.2	433.5	454.7	477.2	501.0
22.5°	343.8	348.8	356.9	365.7	376.4	389.7	405.5	422.2	444.4	466.4	492.3
25°	327.7	331.1	338.5	346.4	357.0	368.3	384.7	403.2	425.2	450.4	476.7
27.5°	312.5	315.5	322.2	329.1	338.7	352.1	366.8	385.5	406.2	431.7	460.9
30°	301.5	304.8	310.8	318.2	327.4	339.2	354.2	371.8	394.0	418.9	449.4
32.5°	292.1	295.0	299.5	306.9	316.0	327.4	341.3	359.2	381.4	406.7	436.7
35°	277.5	280.7	284.2	290.0	297.8	308.9	324.2	341.1	362.3	386.8	414.3
37.5°	263.0	266.5	269.6	274.8	281.9	291.7	304.9	322.5	341.7	365.3	391.7
40°	253.9	256.7	259.3	264.8	272.0	281.2	293.5	309.2	329.5	351.5	373.4
42.5°	244.9	247.5	249.6	254.5	261.1	269.9	281.6	297.0	315.8	336.3	355.7
45°	230.6	232.2	234.8	238.9	244.2	252.3	263.6	277.3	293.2	312.6	327.2
47.5°	215.2	217.7	219.8	223.4	227.8	235.7	246.6	258.2	272.7	287.1	297.3
50°	203.3	205.9	208.9	212.4	216.5	223.9	233.8	245.6	257.9	269.0	277.7
52.5°	192.2	194.6	197.8	201.1	206.2	212.4	220.9	231.4	243.5	251.4	258.7
55°	175.8	177.0	180.7	183.9	188.8	193.4	202.0	211.2	218.6	224.6	230.6
57.5°	159.1	160.6	162.8	165.7	170.5	175.9	181.9	190.1	194.4	197.5	202.2
60°	148.3	148.8	150.2	153.7	157.4	162.2	169.1	174.9	178.2	180.7	184.6
62.5°	136.5	136.6	138.9	141.5	144.2	149.5	155.1	159.8	162.4	163.7	167.4
65°	119.9	119.5	120.8	122.9	126.2	129.6	134.5	138.6	138.4	139.8	142.1
67.5°	103.0	102.5	102.5	104.5	107.1	110.2	113.5	116.0	116.0	117.8	119.0
70°	91.5	90.1	91.0	92.7	93.8	96.4	100.1	101.0	101.2	102.1	103.3
72.5°	79.7	79.2	79.9	80.6	81.4	83.4	86.6	87.1	87.2	87.7	89.6
75°	63.3	62.9	62.4	63.1	64.0	65.4	66.5	67.5	67.2	67.5	68.9
77.5°	47.5	46.2	45.9	46.3	46.5	47.4	48.6	48.5	48.7	48.7	50.2
80°	37.7	35.8	35.6	35.6	35.8	36.3	36.7	37.2	36.5	37.2	37.7
82.5°	27.7	26.6	26.5	26.3	26.4	26.5	26.8	27.0	26.9	27.2	27.5
85°	15.3	14.8	14.1	14.6	14.3	13.6	14.1	13.4	13.2	13.4	13.6
87.5°	9.1	9.1	8.2	8.0	7.4	7.3	6.5	5.8	5.2	4.9	5.2
90°	19.8	18.6	16.3	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2
92.5°	303.3	374.6	380.7	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2
95°	1007.4	1029.5	840.1	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3
97.5°	1274.7	1099.4	750.2	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7
100°	1339.7	1049.2	669.3	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3
102.5°	1300.7	960.9	607.9	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9
105°	1175.9	842.4	548.4	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3
107.5°	1048.6	760.8	523.3	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0
110°	976.0	722.7	515.9	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	922.1	700.4	515.9	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8
115°	863.3	676.3	519.4	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7
117.5°	828.2	664.4	527.1	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6
120°	808.7	658.8	534.5	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2
122.5°	792.0	654.2	541.0	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7
125°	769.2	648.4	551.9	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3
127.5°	748.3	645.6	564.2	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6
130°	734.4	643.7	571.7	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7
132.5°	723.2	643.7	580.0	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0
135°	710.0	643.7	591.4	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1
137.5°	698.1	645.1	601.9	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2
140°	692.5	646.0	606.5	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3
142.5°	687.9	647.0	609.3	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3
145°	680.9	646.0	612.4	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9
147.5°	673.7	643.0	613.5	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3
150°	668.1	640.2	613.5	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4
152.5°	661.6	636.5	612.6	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4
155°	650.7	629.8	610.0	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6
157.5°	640.5	622.8	607.0	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0
160°	632.1	618.2	604.2	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2
162.5°	624.7	612.6	601.4	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5
165°	613.5	604.2	597.2	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1
167.5°	602.6	596.1	590.7	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5
170°	596.1	591.4	588.0	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0
172.5°	589.6	585.9	584.2	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8
175°	581.0	579.8	579.8	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2
177.5°	577.3	576.3	576.3	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	547.4	549.9	551.6	554.7	557.3	558.8	560.1	561.2	562.5	563.6	566.8
5°	550.9	556.9	562.0	569.8	577.0	582.5	588.5	593.8	598.2	604.5	609.3
7.5°	549.3	560.0	571.2	583.4	595.8	607.3	618.0	627.9	636.9	647.8	657.4
10°	547.9	562.4	576.7	593.2	610.0	624.3	637.7	651.4	661.3	675.2	687.0
12.5°	546.8	563.9	581.2	600.9	619.4	639.7	657.5	667.5	682.6	693.7	707.7
15°	542.1	564.7	588.5	610.7	637.1	655.8	671.5	690.9	705.0	719.1	734.3
17.5°	533.7	559.4	586.0	615.1	640.3	660.4	680.7	699.4	716.2	735.1	754.1
20°	529.8	555.5	586.0	615.8	640.5	661.5	682.3	702.9	721.4	745.7	767.6
22.5°	521.7	552.7	580.8	609.9	635.3	658.2	681.8	705.1	729.7	757.1	784.6
25°	507.2	538.6	568.4	597.1	622.7	651.4	676.6	707.8	739.2	775.5	809.7
27.5°	492.1	522.2	549.5	577.2	607.1	639.6	672.2	707.6	748.8	794.6	842.8
30°	479.9	508.4	534.9	563.3	594.5	631.0	666.9	708.9	756.5	808.0	865.4
32.5°	465.7	491.9	517.7	547.8	581.8	620.3	662.1	708.2	765.4	823.9	882.9
35°	441.3	463.3	489.9	522.0	560.3	604.5	652.8	707.3	772.9	840.2	889.8
37.5°	412.5	432.9	460.9	496.1	536.3	583.7	641.0	705.7	775.4	829.0	845.0
40°	393.0	412.0	441.1	477.6	518.7	568.9	631.7	700.1	767.6	801.8	788.6
42.5°	372.3	392.2	420.6	456.7	501.0	555.6	620.1	688.5	745.1	758.0	712.5
45°	339.7	360.2	388.2	424.7	472.3	531.5	598.7	660.9	693.4	670.1	599.6
47.5°	309.3	328.6	354.5	392.2	441.3	502.5	567.2	616.8	619.4	563.7	488.4
50°	288.6	306.4	332.5	370.2	418.9	480.9	539.3	578.4	560.8	497.7	425.4
52.5°	268.3	285.7	311.4	348.7	396.9	453.7	508.1	535.5	502.4	437.6	375.9
55°	238.9	254.2	279.4	313.8	359.5	412.2	458.4	467.9	424.9	361.2	311.0
57.5°	210.3	224.5	247.4	279.1	321.0	367.6	403.8	401.7	356.3	301.6	261.8
60°	190.9	204.7	225.1	256.0	294.2	334.4	365.3	357.9	312.9	265.7	232.2
62.5°	173.5	185.9	205.1	232.2	267.0	304.2	329.6	318.7	274.6	233.4	206.9
65°	147.9	158.3	174.7	197.8	226.7	257.4	277.1	263.0	225.3	193.2	171.9
67.5°	123.4	131.8	145.5	164.0	188.6	213.3	225.2	211.1	180.9	157.5	141.7
70°	107.9	115.3	125.9	142.3	163.8	184.6	193.6	180.9	155.0	134.9	123.6
72.5°	92.4	98.5	107.8	122.6	139.8	157.8	165.7	153.6	132.3	115.3	104.8
75°	71.4	75.6	82.0	92.2	105.8	120.2	124.5	113.9	100.3	87.6	80.6
77.5°	51.1	54.6	59.5	65.9	75.6	84.7	88.5	82.4	71.9	63.8	58.1
80°	39.3	41.1	45.3	50.6	58.2	64.0	66.5	62.6	55.2	49.2	44.8
82.5°	28.0	29.9	32.3	36.7	41.6	45.5	48.2	45.6	40.3	35.5	33.0
85°	13.6	14.8	16.2	18.0	21.7	24.0	23.8	22.2	20.1	18.3	16.9
87.5°	5.3	5.9	6.9	8.3	9.3	10.3	11.2	11.0	10.7	10.4	10.1
90°	2.3	4.6	7.0	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9
92.5°	17.2	27.0	41.4	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9
95°	39.5	48.8	61.6	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4
97.5°	65.1	71.6	84.4	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2
100°	83.7	88.3	101.1	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2
102.5°	102.3	106.0	119.7	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5
105°	131.3	137.1	148.7	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8
107.5°	163.4	168.9	178.5	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7
110°	184.8	189.4	199.9	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0



TEST NUMBER: P333153

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	206.1	209.8	220.3	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8
115°	237.0	240.5	251.0	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1
117.5°	266.1	269.8	280.3	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2
120°	284.7	289.3	299.8	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8
122.5°	303.3	307.0	317.4	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7
125°	327.7	333.5	343.9	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2
127.5°	348.1	355.6	368.8	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0
130°	360.2	369.5	384.6	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8
132.5°	370.4	381.6	398.6	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5
135°	385.8	399.7	418.3	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3
137.5°	403.7	416.7	435.3	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8
140°	414.8	428.8	447.4	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8
142.5°	426.9	439.9	458.5	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7
145°	446.2	457.8	474.1	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9
147.5°	465.7	475.7	490.8	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1
150°	478.7	486.9	502.0	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7
152.5°	490.8	498.0	511.3	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4
155°	506.6	513.6	525.2	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4
157.5°	521.7	527.3	537.3	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5
160°	531.0	535.7	543.8	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2
162.5°	539.4	544.0	551.2	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0
165°	550.8	554.3	560.1	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8
167.5°	560.3	562.4	565.6	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3
170°	565.9	567.0	569.4	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9
172.5°	568.7	569.8	572.1	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5
175°	572.8	574.0	575.2	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5
177.5°	575.4	575.4	576.3	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333153

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	569.4	570.8	574.0	572.9	574.3	575.1	575.8
5°	615.3	622.7	626.0	625.5	630.4	629.2	628.0
7.5°	667.3	675.0	679.4	684.8	687.9	688.2	690.9
10°	696.7	706.8	711.0	716.8	720.5	722.6	722.3
12.5°	719.2	727.2	736.5	739.3	744.3	747.0	746.0
15°	746.4	759.1	768.8	773.6	779.9	781.7	784.2
17.5°	770.6	787.6	798.9	814.0	819.7	823.2	821.1
20°	788.9	811.3	822.6	840.6	850.6	855.9	854.0
22.5°	810.5	834.8	855.7	871.3	886.4	893.6	895.1
25°	847.6	880.8	911.6	932.1	950.8	955.2	964.9
27.5°	889.0	928.2	961.1	982.7	995.7	1000.6	1003.7
30°	915.0	954.1	978.8	992.7	996.8	996.4	995.9
32.5°	927.8	952.2	957.0	953.1	943.6	935.5	927.1
35°	909.7	891.5	864.2	829.1	803.2	777.1	774.5
37.5°	818.2	759.8	714.4	663.7	634.5	616.4	603.9
40°	732.0	665.7	610.7	568.0	538.2	526.4	514.8
42.5°	638.5	575.1	526.4	490.7	468.3	455.2	446.1
45°	518.7	462.8	424.7	398.8	381.0	370.9	365.1
47.5°	425.1	383.7	351.3	332.6	320.4	312.5	312.5
50°	374.8	335.3	313.8	299.0	288.4	282.1	283.3
52.5°	330.2	300.7	282.4	270.0	262.1	258.3	258.1
55°	276.1	254.9	242.9	233.8	228.5	224.1	225.1
57.5°	236.2	218.3	210.2	202.7	199.0	197.3	194.7
60°	211.4	197.6	190.6	184.6	180.9	179.5	177.0
62.5°	189.4	178.5	171.8	166.9	163.6	163.1	161.1
65°	159.2	150.9	144.9	142.6	139.1	138.2	138.2
67.5°	131.2	125.3	120.6	118.5	117.0	117.2	116.1
70°	113.7	108.8	105.8	103.5	102.4	102.6	101.7
72.5°	99.5	94.0	91.4	90.0	88.5	89.1	88.7
75°	75.3	72.6	71.2	69.8	68.9	68.4	67.9
77.5°	55.3	52.9	51.8	51.0	51.2	50.0	50.9
80°	42.7	40.7	40.0	38.8	38.6	38.6	38.4
82.5°	31.3	30.1	29.6	28.7	28.2	28.6	28.0
85°	16.2	15.3	15.0	15.0	14.6	14.1	15.3
87.5°	10.3	9.8	10.3	10.1	10.1	10.2	9.8
90°	22.1	23.2	25.6	25.6	25.6	26.7	26.7
92.5°	149.4	112.5	95.3	80.4	77.6	76.0	74.1
95°	658.8	515.9	418.3	335.8	300.9	291.7	273.1
97.5°	1120.4	981.2	845.4	773.6	708.6	674.9	660.0
100°	1372.3	1252.6	1131.7	1051.6	967.9	924.9	906.3
102.5°	1526.6	1469.2	1387.4	1301.6	1242.1	1195.4	1181.5
105°	1614.0	1665.1	1652.3	1615.1	1576.8	1553.5	1539.6
107.5°	1536.1	1667.4	1728.1	1746.9	1746.7	1739.0	1729.7
110°	1447.8	1611.6	1710.4	1762.7	1784.8	1792.9	1792.9



TEST NUMBER: P333153

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1360.4	1526.1	1642.5	1719.0	1756.9	1777.1	1785.5
115°	1235.2	1394.3	1521.0	1611.6	1667.4	1699.9	1715.0
117.5°	1148.5	1285.6	1401.8	1492.4	1550.1	1582.4	1591.6
120°	1099.2	1227.0	1329.3	1415.3	1471.0	1502.4	1511.7
122.5°	1063.9	1177.8	1273.5	1350.2	1401.3	1432.7	1441.1
125°	1016.7	1117.8	1201.5	1266.5	1314.2	1339.7	1351.4
127.5°	971.6	1066.0	1144.3	1203.3	1245.4	1269.6	1274.7
130°	940.0	1030.7	1106.2	1164.3	1202.6	1225.9	1232.8
132.5°	910.3	992.5	1065.3	1123.4	1161.7	1183.1	1191.0
135°	864.5	938.9	1005.1	1056.2	1094.6	1115.5	1122.5
137.5°	823.6	885.4	941.7	987.4	1022.3	1041.6	1049.2
140°	799.4	852.9	901.7	944.7	974.9	992.3	998.1
142.5°	779.0	825.0	867.3	903.8	929.3	945.8	950.7
145°	752.9	789.0	820.3	848.2	868.0	880.8	885.4
147.5°	731.3	759.0	782.7	804.8	820.6	828.0	830.1
150°	719.3	741.3	762.2	779.7	793.6	798.3	799.4
152.5°	707.2	727.4	743.7	758.3	769.4	774.1	775.3
155°	689.0	705.3	718.1	729.7	737.8	741.3	742.5
157.5°	671.8	684.4	694.4	703.4	710.2	713.4	713.2
160°	658.8	670.4	678.6	686.7	692.5	694.9	693.7
162.5°	647.7	657.4	664.6	670.9	675.8	676.3	676.0
165°	630.9	637.9	643.7	648.4	650.7	650.7	650.7
167.5°	614.7	620.0	624.2	626.5	628.6	627.7	627.5
170°	605.4	608.9	611.2	613.5	614.7	614.7	613.5
172.5°	597.0	599.6	601.0	601.4	603.5	601.7	600.5
175°	584.5	586.8	586.8	586.8	588.0	585.6	584.5
177.5°	579.1	579.1	579.1	578.2	579.1	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3

(END OF REPORT)