

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: P333582-930

Luminaire Tested: **S125RDIP-S1090D365U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333582-930
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: S125RDIP-S1090D365U930-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

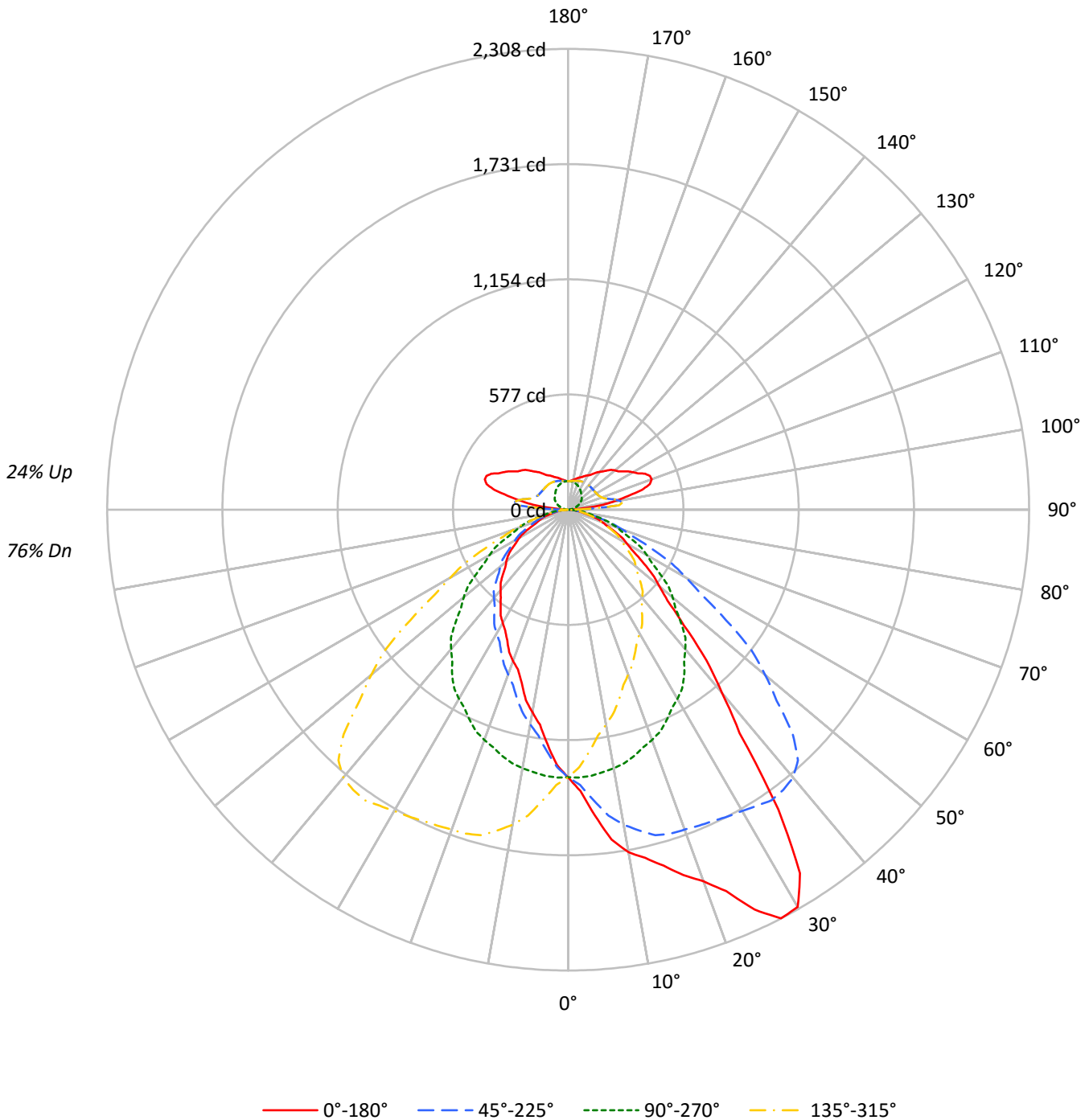
Lumens per Lamp: N/A
Luminaire Lumens: 4545.5 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 43.5
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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	76
1	104	100	96	93	99	96	92	89	87	85	82	79	77	76	72	71	69	66
2	96	88	82	77	91	84	79	74	77	73	69	70	67	64	64	62	59	56
3	88	78	71	65	83	75	68	63	69	63	59	63	58	55	57	54	51	48
4	80	70	62	55	76	67	59	54	61	55	51	56	51	47	52	48	44	42
5	74	62	54	48	70	60	52	47	55	49	44	51	46	42	47	42	39	36
6	69	56	48	42	65	54	46	41	50	44	39	46	41	37	43	38	35	32
7	64	51	43	37	60	49	42	36	45	39	34	42	37	33	39	34	31	29
8	59	47	39	33	56	45	37	32	42	35	31	39	33	29	36	31	28	26
9	55	43	35	30	53	41	34	29	38	32	28	36	30	26	33	28	25	23
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8657	8657	8657	8657
5°	9961	8669	7656	8669
10°	11425	8625	6755	8625
15°	12341	8536	6005	8536
20°	13608	8434	5544	8434
25°	15748	8298	5144	8298
30°	17137	8154	4883	8154
35°	14456	7987	4642	7987
40°	10095	7687	4435	7687
45°	7489	7283	4232	7283
50°	5971	6861	4058	6861
55°	5068	6339	3904	6339
60°	4379	5871	3653	5871
65°	3903	5365	3145	5365
70°	3429	4913	2868	4913
75°	2967	4257	2692	4257
80°	2250	3582	2250	3582
85°	1875	2816	2119	2816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	2.8
10°-20°	376.7	8.3
20°-30°	597.3	13.1
30°-40°	720.3	15.8
40°-50°	643.2	14.2
50°-60°	493.3	10.9
60°-70°	320.6	7.1
70°-80°	155.9	3.4
80°-90°	38.0	0.8
90°-100°	103.6	2.3
100°-110°	222.7	4.9
110°-120°	209.0	4.6
120°-130°	169.4	3.7
130°-140°	135.9	3.0
140°-150°	102.6	2.3
150°-160°	72.2	1.6
160°-170°	42.6	0.9
170°-180°	13.8	0.3
0°-30°	1102.6	24.3
0°-40°	1822.8	40.1
0°-60°	2959.4	65.1
0°-90°	3473.8	76.4
90°-120°	535.3	11.8
90°-150°	943.1	20.7
90°-180°	1072.0	23.6
0°-180°	4545.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1340	1340	1340	1340	1340	
5°	1536	1337	1181	1337	1536	154
15°	1846	1277	898	1277	1846	529
25°	2210	1164	722	1164	2210	1015
35°	1834	1013	589	1013	1834	1108
45°	820	797	463	797	820	654
55°	450	563	347	563	450	408
65°	255	351	206	351	255	254
75°	119	171	108	171	119	127
85°	25	38	29	38	25	29
90°	7	0	7	0	7	6
95°	68	10	68	10	68	96
105°	382	32	382	32	382	380
115°	425	58	425	58	425	416
125°	335	81	335	81	335	303
135°	278	94	278	94	278	216
145°	220	110	220	110	220	140
155°	184	126	184	126	184	86
165°	161	137	161	137	161	46
175°	145	143	145	143	145	14
180°	143	143	143	143	143	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1410.1	1409.2	1411.0	1406.1	1406.6	1399.1	1399.1	1393.3	1385.8	1380.1	1377.4
5°	1536.4	1537.5	1535.3	1527.1	1521.5	1513.3	1503.9	1487.4	1473.7	1460.4	1450.0
7.5°	1666.5	1667.2	1659.9	1657.4	1643.6	1633.5	1612.7	1590.2	1570.3	1545.0	1525.6
10°	1742.2	1741.6	1733.9	1727.9	1715.8	1700.4	1680.0	1653.6	1628.8	1601.3	1574.9
12.5°	1786.2	1784.8	1782.3	1775.0	1763.7	1750.1	1732.8	1706.8	1676.3	1646.3	1615.4
15°	1845.7	1841.8	1834.7	1825.3	1809.3	1793.3	1774.1	1751.0	1721.8	1687.7	1659.1
17.5°	1919.1	1919.3	1908.3	1895.2	1873.6	1845.4	1815.7	1778.4	1738.8	1701.3	1670.8
20°	1979.9	1978.2	1967.2	1942.0	1917.2	1882.0	1847.9	1802.1	1753.7	1704.8	1666.8
22.5°	2067.1	2062.8	2051.3	2018.1	1979.7	1934.4	1882.2	1826.4	1767.8	1712.2	1662.4
25°	2210.0	2206.6	2184.0	2145.5	2091.7	2021.7	1953.5	1877.0	1792.8	1719.6	1659.1
27.5°	2307.6	2304.0	2287.3	2255.3	2205.5	2132.0	2039.6	1937.4	1832.3	1731.6	1644.4
30°	2298.0	2306.2	2304.0	2289.2	2251.8	2185.7	2100.5	1985.4	1860.5	1742.2	1638.2
32.5°	2159.7	2167.1	2186.5	2215.7	2217.9	2191.4	2127.7	2021.5	1892.2	1757.6	1633.4
35°	1833.5	1843.5	1880.9	1939.8	2016.8	2081.1	2094.3	2037.1	1921.0	1776.3	1626.1
37.5°	1409.6	1463.7	1495.3	1557.2	1673.6	1792.0	1905.9	1947.9	1898.4	1768.6	1614.3
40°	1197.4	1210.6	1266.7	1336.6	1434.6	1557.9	1720.2	1837.4	1841.3	1751.0	1595.8
42.5°	1024.8	1041.5	1080.1	1135.9	1219.8	1343.0	1510.7	1665.2	1736.9	1702.6	1571.6
45°	819.9	832.6	860.6	903.6	967.9	1069.8	1213.9	1392.8	1534.7	1590.3	1506.7
47.5°	673.5	680.4	704.8	737.5	785.1	859.3	970.9	1126.2	1296.5	1415.8	1404.1
50°	594.3	602.0	620.7	645.5	685.7	748.4	837.6	966.9	1142.4	1288.2	1317.4
52.5°	532.6	539.1	550.7	574.1	607.3	655.5	727.5	844.5	1002.4	1157.5	1224.9
55°	450.1	454.5	463.9	477.1	503.5	538.2	600.4	681.3	808.9	965.2	1064.2
57.5°	382.1	384.3	390.3	402.5	420.8	446.1	491.0	559.5	651.1	791.8	901.2
60°	339.0	341.2	348.9	357.1	371.5	394.5	429.7	477.6	565.7	681.8	792.4
62.5°	304.6	306.0	309.2	317.5	330.0	347.9	375.6	414.7	484.7	586.7	691.1
65°	255.4	255.8	257.0	263.6	271.3	284.5	302.6	330.2	383.0	460.1	552.4
67.5°	208.0	208.8	212.6	214.9	223.0	229.9	240.6	261.6	298.8	350.7	422.7
70°	181.6	181.1	184.9	187.7	190.4	198.7	205.8	222.9	246.0	285.6	345.6
72.5°	156.9	155.5	157.2	158.2	161.8	167.4	174.6	185.0	202.8	230.2	276.1
75°	118.9	119.4	119.4	120.5	123.3	125.5	127.7	133.1	143.1	161.3	186.0
77.5°	83.4	82.5	84.9	85.2	86.8	89.3	91.2	93.4	97.4	104.8	117.6
80°	60.5	60.5	61.1	62.7	62.2	63.3	66.0	68.2	73.2	77.6	82.0
82.5°	46.5	46.0	46.6	46.9	46.8	47.9	48.8	49.3	51.2	53.4	56.4
85°	25.3	25.3	25.8	25.8	26.4	26.4	27.0	27.0	27.0	27.5	28.0
87.5°	11.0	10.6	10.1	10.1	10.5	11.3	10.8	10.3	10.2	10.2	10.5
90°	6.6	6.6	6.4	6.4	6.4	5.8	5.5	5.2	4.9	4.6	4.0
92.5°	18.3	18.8	19.2	20.0	23.6	27.9	37.0	51.0	75.2	92.9	94.4
95°	67.8	72.3	74.6	83.2	103.7	127.9	163.4	207.2	249.8	255.3	208.3
97.5°	163.6	167.4	175.7	191.8	209.6	243.3	277.9	308.5	316.1	272.6	186.1
100°	224.8	229.3	240.0	260.7	280.6	310.6	340.3	354.4	332.2	260.2	166.0
102.5°	293.0	296.4	308.0	322.8	344.1	364.4	378.5	369.8	322.5	238.3	150.7
105°	381.8	385.2	391.0	400.5	409.8	412.9	400.2	360.8	291.6	208.9	136.0
107.5°	428.9	431.2	433.2	433.2	428.5	413.4	380.9	328.2	260.0	188.7	129.8
110°	444.6	444.6	442.5	437.1	424.1	399.7	359.1	304.3	242.1	179.2	127.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	442.8	440.7	435.7	426.2	407.3	378.5	337.4	285.4	228.7	173.7	127.9
115°	425.3	421.5	413.4	399.7	377.2	345.8	306.3	261.6	214.1	167.7	128.8
117.5°	394.7	392.4	384.4	370.1	347.6	318.8	284.8	246.3	205.4	164.8	130.7
120°	374.9	372.6	364.8	351.0	329.6	304.3	272.6	238.0	200.6	163.4	132.6
122.5°	357.3	355.3	347.5	334.8	315.8	292.0	263.8	231.8	196.4	162.2	134.1
125°	335.1	332.2	325.9	314.1	297.9	277.2	252.1	222.7	190.8	160.8	136.9
127.5°	316.1	314.8	308.8	298.4	283.7	264.3	240.9	213.5	185.6	160.1	139.9
130°	305.7	304.0	298.2	288.7	274.3	255.6	233.1	207.7	182.1	159.6	141.8
132.5°	295.3	293.3	288.0	278.6	264.2	246.1	225.8	201.9	179.4	159.6	143.8
135°	278.3	276.6	271.4	262.0	249.2	232.8	214.3	194.5	176.0	159.6	146.7
137.5°	260.2	258.3	253.5	244.8	233.5	219.6	204.2	188.2	173.1	160.0	149.3
140°	247.5	246.1	241.7	234.2	223.6	211.5	198.2	184.7	171.7	160.2	150.4
142.5°	235.8	234.6	230.5	224.1	215.1	204.6	193.1	181.7	170.6	160.5	151.1
145°	219.6	218.4	215.2	210.3	203.4	195.7	186.7	177.8	168.8	160.2	151.8
147.5°	205.9	205.3	203.5	199.6	194.1	188.3	181.3	174.1	167.1	159.5	152.1
150°	198.2	198.0	196.8	193.3	189.0	183.8	178.4	172.0	165.7	158.7	152.1
152.5°	192.2	191.9	190.8	188.0	184.4	180.3	175.4	169.7	164.0	157.8	151.9
155°	184.1	183.8	183.0	180.9	178.1	174.9	170.9	166.2	161.3	156.2	151.2
157.5°	176.8	176.9	176.1	174.5	172.2	169.7	166.6	162.8	158.8	154.4	150.5
160°	172.0	172.3	171.7	170.3	168.3	166.2	163.4	160.5	156.8	153.3	149.9
162.5°	167.6	167.7	167.5	166.4	164.9	163.1	160.6	157.9	154.9	151.9	149.1
165°	161.3	161.3	161.3	160.8	159.6	158.2	156.5	154.4	152.1	149.9	148.1
167.5°	155.6	155.6	155.9	155.4	154.8	153.8	152.5	151.1	149.4	147.8	146.5
170°	152.1	152.5	152.5	152.1	151.6	151.0	150.1	149.3	147.8	146.7	145.8
172.5°	148.9	149.2	149.7	149.1	149.0	148.7	148.1	147.2	146.2	145.3	144.9
175°	145.0	145.2	145.8	145.5	145.5	145.5	145.0	145.0	144.1	143.8	143.8
177.5°	142.9	142.9	143.6	143.4	143.6	143.6	143.6	143.4	143.2	142.9	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1377.4	1374.4	1368.6	1363.3	1356.7	1351.0	1347.1	1342.2	1336.1	1328.6	1322.4
5°	1438.4	1426.3	1410.4	1396.6	1379.0	1365.2	1351.0	1337.2	1323.4	1305.8	1290.4
7.5°	1506.0	1481.0	1456.7	1426.1	1398.4	1373.6	1349.8	1325.8	1302.2	1277.2	1253.1
10°	1547.4	1517.1	1483.5	1445.0	1409.8	1376.2	1345.4	1315.2	1283.3	1255.2	1224.9
12.5°	1586.2	1547.0	1508.6	1460.0	1417.7	1376.7	1337.5	1299.8	1265.7	1229.2	1196.8
15°	1621.1	1582.6	1539.7	1480.3	1421.4	1371.8	1325.6	1276.7	1234.3	1193.5	1157.2
17.5°	1634.7	1594.2	1544.4	1487.3	1422.9	1360.7	1301.1	1247.4	1197.5	1150.1	1109.2
20°	1629.4	1590.3	1539.1	1484.7	1415.8	1351.0	1286.5	1227.1	1171.6	1121.4	1078.0
22.5°	1616.6	1576.2	1526.8	1469.3	1403.9	1335.1	1266.3	1202.9	1144.7	1092.8	1045.5
25°	1597.5	1542.5	1491.8	1435.7	1373.5	1305.3	1234.3	1164.4	1102.2	1049.4	997.7
27.5°	1577.5	1508.9	1444.5	1388.7	1323.0	1262.1	1193.7	1122.0	1056.6	1002.8	949.7
30°	1559.5	1482.5	1411.4	1348.2	1286.0	1228.2	1163.3	1093.4	1026.3	970.7	916.8
32.5°	1537.0	1455.1	1377.1	1304.2	1244.1	1186.8	1128.0	1061.3	995.9	938.6	883.8
35°	1508.9	1404.4	1319.6	1241.9	1175.4	1119.8	1067.0	1013.1	947.6	888.2	834.8
37.5°	1471.9	1353.2	1255.2	1170.7	1100.4	1044.6	1002.9	953.7	893.9	837.0	787.4
40°	1449.4	1316.3	1208.9	1125.4	1051.6	992.7	953.7	911.8	857.4	804.0	754.4
42.5°	1419.5	1282.4	1162.3	1075.1	1000.9	944.3	904.7	868.2	822.6	772.3	719.2
45°	1360.8	1216.7	1090.6	997.1	922.3	866.7	829.8	797.4	762.7	716.5	670.3
47.5°	1284.4	1148.1	1016.3	914.1	840.8	789.2	753.4	727.8	703.0	663.7	618.8
50°	1223.3	1091.8	963.0	864.0	785.8	736.8	703.3	682.9	660.3	624.6	587.2
52.5°	1151.0	1033.6	907.5	806.2	732.5	686.6	654.4	634.1	615.5	586.3	550.6
55°	1037.3	934.4	818.8	726.9	659.3	613.0	582.2	563.0	552.0	527.2	499.1
57.5°	906.0	832.3	730.3	641.7	581.9	536.2	513.6	497.3	484.8	467.3	447.5
60°	814.4	762.7	671.3	587.2	532.1	488.6	468.3	454.5	443.0	428.1	412.7
62.5°	721.5	683.9	604.5	532.1	481.5	445.1	426.0	413.6	400.3	390.3	375.3
65°	597.0	563.5	508.4	451.8	405.0	375.9	362.1	351.1	342.8	331.8	321.4
67.5°	464.5	450.8	412.8	373.7	340.1	314.2	302.3	294.6	284.7	278.1	270.9
70°	383.0	376.4	349.4	323.6	292.2	274.6	263.6	260.2	248.2	241.6	236.6
72.5°	310.8	307.7	292.2	274.3	252.2	236.8	226.6	222.9	215.2	209.9	206.7
75°	213.0	214.1	211.3	199.7	191.5	181.6	172.8	170.6	165.1	160.7	157.9
77.5°	134.7	140.3	140.6	140.0	136.7	130.6	127.0	125.4	119.9	118.3	117.6
80°	92.5	98.5	104.0	103.5	102.3	100.7	97.9	96.3	93.5	91.9	90.8
82.5°	61.6	67.3	71.8	74.8	74.6	73.0	71.1	70.4	69.8	68.6	68.3
85°	29.2	30.2	31.9	35.8	38.5	39.1	38.5	38.0	36.3	36.9	37.4
87.5°	10.8	10.8	11.2	11.0	10.4	12.6	13.8	14.1	13.3	12.6	11.8
90°	3.8	3.2	2.9	2.3	1.7	1.1	0.6	0.3	0.6	1.1	1.7
92.5°	65.7	39.4	23.6	15.2	10.3	6.7	4.2	3.5	4.2	6.7	10.3
95°	128.8	65.4	34.6	21.6	15.2	12.1	9.8	9.5	9.8	12.1	15.2
97.5°	102.8	56.3	36.0	26.7	21.0	17.8	16.1	15.8	16.1	17.8	21.0
100°	93.4	55.9	39.2	30.6	25.0	21.9	20.7	20.1	20.7	21.9	25.0
102.5°	89.4	58.0	43.1	34.7	29.7	26.3	25.4	25.0	25.4	26.3	29.7
105°	87.9	62.2	49.6	41.5	36.9	34.0	32.5	32.5	32.5	34.0	36.9
107.5°	90.5	68.6	56.3	49.1	44.3	41.9	40.5	39.9	40.5	41.9	44.3
110°	93.1	73.2	61.4	53.9	49.6	47.0	45.8	45.2	45.8	47.0	49.6



TEST NUMBER: P333582-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	96.3	77.5	66.2	58.9	54.6	52.0	51.1	50.5	51.1	52.0	54.6
115°	101.1	84.5	73.8	66.5	62.2	59.7	58.8	58.2	58.8	59.7	62.2
117.5°	106.6	91.5	81.4	74.4	69.5	66.9	66.0	65.1	66.0	66.9	69.5
120°	110.4	96.5	86.4	79.2	74.4	71.7	70.6	69.7	70.6	71.7	74.4
122.5°	114.5	101.3	91.3	84.1	78.8	76.1	75.2	74.6	75.2	76.1	78.8
125°	120.2	107.8	98.2	90.7	85.3	82.7	81.3	80.7	81.3	82.7	85.3
127.5°	125.3	113.9	104.8	97.3	91.5	88.1	86.3	85.4	86.3	88.1	91.5
130°	128.8	117.8	108.9	101.4	95.4	91.6	89.4	88.5	89.4	91.6	95.4
132.5°	131.8	121.6	112.6	105.1	98.8	94.7	91.9	90.7	91.9	94.7	98.8
135°	136.0	126.5	117.6	109.8	103.7	99.1	95.6	94.5	95.6	99.1	103.7
137.5°	139.1	130.0	121.9	113.9	107.9	103.3	100.1	99.2	100.1	103.3	107.9
140°	141.2	132.6	124.2	116.4	111.0	106.3	102.9	102.0	102.9	106.3	111.0
142.5°	142.4	134.1	126.3	119.0	113.7	109.1	105.8	105.3	105.8	109.1	113.7
145°	144.1	136.9	129.4	122.8	117.6	113.5	110.6	110.1	110.6	113.5	117.6
147.5°	145.1	138.6	132.0	126.2	121.7	118.0	115.4	115.1	115.4	118.0	121.7
150°	145.8	139.7	133.4	128.5	124.5	120.7	118.7	118.1	118.7	120.7	124.5
152.5°	146.3	140.9	135.0	130.6	126.8	123.5	121.7	121.4	121.7	123.5	126.8
155°	146.7	142.0	137.1	133.1	130.2	127.3	125.6	125.6	125.6	127.3	130.2
157.5°	146.9	143.0	138.8	135.7	133.2	130.8	129.4	129.5	129.4	130.8	133.2
160°	146.9	143.5	139.7	137.1	134.9	132.8	131.7	132.0	131.7	132.8	134.9
162.5°	146.8	144.0	140.6	138.5	136.7	134.9	133.8	134.0	133.8	134.9	136.7
165°	146.3	144.1	141.8	140.1	138.8	137.5	136.6	137.1	136.6	137.5	138.8
167.5°	145.7	144.1	142.2	141.0	140.2	139.5	138.9	139.3	138.9	139.5	140.2
170°	145.2	144.1	142.6	141.8	141.2	140.6	140.3	140.6	140.3	140.6	141.2
172.5°	144.8	143.8	142.6	142.2	141.9	141.3	141.0	141.5	141.0	141.3	141.9
175°	144.1	143.5	142.6	142.6	142.6	142.4	142.0	142.6	142.0	142.4	142.6
177.5°	143.4	143.2	142.7	142.7	142.9	142.7	142.7	143.2	142.7	142.7	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333582-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1318.0	1311.9	1307.5	1298.7	1292.5	1289.9	1285.0	1283.7	1288.5	1285.0	1284.6
5°	1278.9	1262.9	1250.3	1237.5	1223.8	1215.0	1201.8	1199.6	1196.3	1191.3	1190.3
7.5°	1231.8	1211.0	1194.7	1173.9	1155.7	1141.1	1124.5	1116.7	1112.5	1106.0	1097.5
10°	1200.1	1175.4	1153.4	1132.5	1109.9	1091.8	1075.2	1062.6	1054.3	1046.6	1043.3
12.5°	1168.9	1143.7	1115.5	1090.2	1065.0	1044.6	1026.4	1018.1	1009.0	1000.0	992.3
15°	1120.4	1086.8	1056.0	1026.8	1005.3	983.3	965.7	953.7	939.9	936.0	921.2
17.5°	1068.9	1035.9	999.9	969.1	944.3	920.1	900.7	887.0	876.6	862.4	855.6
20°	1036.7	997.7	962.5	934.4	906.9	878.2	858.4	846.9	837.0	825.4	819.9
22.5°	1002.4	964.2	928.1	895.2	867.2	839.1	825.0	813.0	801.8	791.1	783.8
25°	951.9	913.5	875.5	841.4	812.2	791.8	775.3	761.6	755.5	745.1	737.4
27.5°	902.1	861.2	821.8	787.7	764.9	744.8	731.2	720.3	709.4	700.3	693.6
30°	870.0	828.2	785.2	758.3	734.1	714.8	699.9	689.5	681.3	673.0	668.1
32.5°	837.9	794.8	756.6	727.5	704.6	687.9	672.6	662.7	654.0	644.8	639.0
35°	786.4	742.3	711.5	682.9	660.3	644.9	634.5	620.2	613.0	606.4	600.4
37.5°	738.5	697.6	664.2	639.1	619.5	604.2	590.7	582.9	574.1	568.2	563.1
40°	703.3	665.9	635.6	609.2	594.8	577.8	565.2	555.2	548.6	541.0	535.4
42.5°	671.6	636.7	607.4	583.6	565.8	551.4	539.2	529.3	520.9	515.4	510.8
45°	626.8	592.1	563.5	541.4	525.0	511.2	498.6	493.6	482.6	476.0	473.8
47.5°	580.4	549.4	521.8	501.5	484.6	471.6	459.7	449.6	443.5	437.0	433.5
50°	549.2	519.4	493.6	473.8	457.3	443.0	431.9	425.3	417.1	411.1	406.7
52.5°	518.0	490.4	464.6	445.6	431.3	417.0	404.7	398.1	390.3	386.4	383.4
55°	473.3	444.1	422.1	403.3	388.5	375.3	363.7	357.1	352.2	348.3	347.2
57.5°	422.7	399.5	379.0	362.2	346.7	334.4	324.2	318.0	313.6	313.0	309.7
60°	389.6	368.7	350.0	331.8	318.6	307.0	298.2	291.1	286.7	286.2	285.0
62.5°	356.6	336.6	319.2	303.2	291.3	280.2	271.8	263.8	261.1	258.4	256.0
65°	307.6	289.4	275.2	262.4	249.8	240.4	232.2	227.3	221.2	217.9	211.9
67.5°	259.5	245.4	231.7	221.0	211.1	202.2	195.3	188.0	183.9	181.2	176.8
70°	227.8	216.8	203.1	191.5	183.8	176.7	171.1	162.9	160.1	157.9	155.7
72.5°	197.9	188.2	176.7	167.3	159.6	152.9	146.5	142.6	139.9	137.7	136.4
75°	155.7	146.3	136.5	129.9	124.3	118.9	115.5	112.8	111.7	111.1	108.9
77.5°	114.4	109.4	101.5	96.2	92.5	90.3	87.4	85.9	85.9	83.4	82.7
80°	87.5	84.7	78.1	75.9	73.2	71.0	69.3	66.6	63.8	62.7	61.1
82.5°	65.1	62.3	59.7	56.1	53.8	52.5	50.9	49.8	50.2	48.7	47.9
85°	34.7	31.9	30.8	30.2	29.2	30.2	29.7	29.2	28.6	28.0	28.6
87.5°	11.5	11.6	11.2	12.2	10.9	11.5	11.6	11.2	11.3	11.3	10.9
90°	2.3	2.9	3.2	3.8	4.0	4.6	4.9	5.2	5.5	5.8	6.4
92.5°	15.2	23.6	39.4	65.7	94.4	92.9	75.2	51.0	37.0	27.9	23.6
95°	21.6	34.6	65.4	128.8	208.3	255.3	249.8	207.2	163.4	127.9	103.7
97.5°	26.7	36.0	56.3	102.8	186.1	272.6	316.1	308.5	277.9	243.3	209.6
100°	30.6	39.2	55.9	93.4	166.0	260.2	332.2	354.4	340.3	310.6	280.6
102.5°	34.7	43.1	58.0	89.4	150.7	238.3	322.5	369.8	378.5	364.4	344.1
105°	41.5	49.6	62.2	87.9	136.0	208.9	291.6	360.8	400.2	412.9	409.8
107.5°	49.1	56.3	68.6	90.5	129.8	188.7	260.0	328.2	380.9	413.4	428.5
110°	53.9	61.4	73.2	93.1	127.9	179.2	242.1	304.3	359.1	399.7	424.1



TEST NUMBER: P333582-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	58.9	66.2	77.5	96.3	127.9	173.7	228.7	285.4	337.4	378.5	407.3
115°	66.5	73.8	84.5	101.1	128.8	167.7	214.1	261.6	306.3	345.8	377.2
117.5°	74.4	81.4	91.5	106.6	130.7	164.8	205.4	246.3	284.8	318.8	347.6
120°	79.2	86.4	96.5	110.4	132.6	163.4	200.6	238.0	272.6	304.3	329.6
122.5°	84.1	91.3	101.3	114.5	134.1	162.2	196.4	231.8	263.8	292.0	315.8
125°	90.7	98.2	107.8	120.2	136.9	160.8	190.8	222.7	252.1	277.2	297.9
127.5°	97.3	104.8	113.9	125.3	139.9	160.1	185.6	213.5	240.9	264.3	283.7
130°	101.4	108.9	117.8	128.8	141.8	159.6	182.1	207.7	233.1	255.6	274.3
132.5°	105.1	112.6	121.6	131.8	143.8	159.6	179.4	201.9	225.8	246.1	264.2
135°	109.8	117.6	126.5	136.0	146.7	159.6	176.0	194.5	214.3	232.8	249.2
137.5°	113.9	121.9	130.0	139.1	149.3	160.0	173.1	188.2	204.2	219.6	233.5
140°	116.4	124.2	132.6	141.2	150.4	160.2	171.7	184.7	198.2	211.5	223.6
142.5°	119.0	126.3	134.1	142.4	151.1	160.5	170.6	181.7	193.1	204.6	215.1
145°	122.8	129.4	136.9	144.1	151.8	160.2	168.8	177.8	186.7	195.7	203.4
147.5°	126.2	132.0	138.6	145.1	152.1	159.5	167.1	174.1	181.3	188.3	194.1
150°	128.5	133.4	139.7	145.8	152.1	158.7	165.7	172.0	178.4	183.8	189.0
152.5°	130.6	135.0	140.9	146.3	151.9	157.8	164.0	169.7	175.4	180.3	184.4
155°	133.1	137.1	142.0	146.7	151.2	156.2	161.3	166.2	170.9	174.9	178.1
157.5°	135.7	138.8	143.0	146.9	150.5	154.4	158.8	162.8	166.6	169.7	172.2
160°	137.1	139.7	143.5	146.9	149.9	153.3	156.8	160.5	163.4	166.2	168.3
162.5°	138.5	140.6	144.0	146.8	149.1	151.9	154.9	157.9	160.6	163.1	164.9
165°	140.1	141.8	144.1	146.3	148.1	149.9	152.1	154.4	156.5	158.2	159.6
167.5°	141.0	142.2	144.1	145.7	146.5	147.8	149.4	151.1	152.5	153.8	154.8
170°	141.8	142.6	144.1	145.2	145.8	146.7	147.8	149.3	150.1	151.0	151.6
172.5°	142.2	142.6	143.8	144.8	144.9	145.3	146.2	147.2	148.1	148.7	149.0
175°	142.6	142.6	143.5	144.1	143.8	143.8	144.1	145.0	145.0	145.5	145.5
177.5°	142.7	142.7	143.2	143.4	142.9	142.9	143.2	143.4	143.6	143.6	143.6
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333582-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1284.1	1279.3	1278.0	1279.7	1278.0	1279.3	1284.1	1284.6	1285.0	1288.5	1283.7
5°	1184.8	1179.2	1182.0	1180.9	1182.0	1179.2	1184.8	1190.3	1191.3	1196.3	1199.6
7.5°	1097.4	1090.5	1083.3	1085.6	1083.3	1090.5	1097.4	1097.5	1106.0	1112.5	1116.7
10°	1036.2	1030.7	1027.4	1030.1	1027.4	1030.7	1036.2	1043.3	1046.6	1054.3	1062.6
12.5°	984.6	981.4	978.5	977.3	978.5	981.4	984.6	992.3	1000.0	1009.0	1018.1
15°	914.6	908.0	905.2	898.1	905.2	908.0	914.6	921.2	936.0	939.9	953.7
17.5°	849.9	847.7	840.6	837.6	840.6	847.7	849.9	855.6	862.4	876.6	887.0
20°	811.6	809.4	802.3	806.7	802.3	809.4	811.6	819.9	825.4	837.0	846.9
22.5°	780.0	775.1	772.8	771.5	772.8	775.1	780.0	783.8	791.1	801.8	813.0
25°	735.2	728.0	725.3	721.9	725.3	728.0	735.2	737.4	745.1	755.5	761.6
27.5°	690.5	686.6	683.0	682.2	683.0	686.6	690.5	693.6	700.3	709.4	720.3
30°	661.5	657.6	654.8	654.8	654.8	657.6	661.5	668.1	673.0	681.3	689.5
32.5°	635.4	632.5	629.7	629.3	629.7	632.5	635.4	639.0	644.8	654.0	662.7
35°	597.6	593.2	592.1	588.8	592.1	593.2	597.6	600.4	606.4	613.0	620.2
37.5°	558.3	554.6	554.6	554.2	554.6	554.6	558.3	563.1	568.2	574.1	582.9
40°	533.2	530.4	529.9	526.0	529.9	530.4	533.2	535.4	541.0	548.6	555.2
42.5°	506.4	504.9	503.0	501.4	503.0	504.9	506.4	510.8	515.4	520.9	529.3
45°	469.9	466.1	466.1	463.3	466.1	466.1	469.9	473.8	476.0	482.6	493.6
47.5°	432.3	429.3	429.7	426.8	429.7	429.3	432.3	433.5	437.0	443.5	449.6
50°	407.2	405.5	405.0	403.9	405.0	405.5	407.2	406.7	411.1	417.1	425.3
52.5°	382.1	381.3	383.4	381.0	383.4	381.3	382.1	383.4	386.4	390.3	398.1
55°	348.3	346.7	350.0	346.7	350.0	346.7	348.3	347.2	348.3	352.2	357.1
57.5°	309.5	307.9	310.9	309.2	310.9	307.9	309.5	309.7	313.0	313.6	318.0
60°	284.0	280.6	282.3	282.8	282.3	280.6	284.0	285.0	286.2	286.7	291.1
62.5°	253.6	251.6	252.8	250.3	252.8	251.6	253.6	256.0	258.4	261.1	263.8
65°	210.8	209.1	206.9	205.8	206.9	209.1	210.8	211.9	217.9	221.2	227.3
67.5°	177.1	173.1	173.0	173.9	173.0	173.1	177.1	176.8	181.2	183.9	188.0
70°	152.5	152.5	151.9	151.9	151.9	152.5	152.5	155.7	157.9	160.1	162.9
72.5°	135.3	134.9	133.8	133.4	133.8	134.9	135.3	136.4	137.7	139.9	142.6
75°	108.9	109.5	108.4	107.9	108.4	109.5	108.9	108.9	111.1	111.7	112.8
77.5°	80.5	78.1	79.3	78.1	79.3	78.1	80.5	82.7	83.4	85.9	85.9
80°	61.1	60.5	62.2	60.5	62.2	60.5	61.1	61.1	62.7	63.8	66.6
82.5°	48.3	47.8	48.5	47.3	48.5	47.8	48.3	47.9	48.7	50.2	49.8
85°	29.2	28.6	28.0	28.6	28.0	28.6	29.2	28.6	28.0	28.6	29.2
87.5°	11.4	10.9	11.0	11.0	11.0	10.9	11.4	10.9	11.3	11.3	11.2
90°	6.4	6.4	6.6	6.6	6.6	6.4	6.4	6.4	5.8	5.5	5.2
92.5°	20.0	19.2	18.8	18.3	18.8	19.2	20.0	23.6	27.9	37.0	51.0
95°	83.2	74.6	72.3	67.8	72.3	74.6	83.2	103.7	127.9	163.4	207.2
97.5°	191.8	175.7	167.4	163.6	167.4	175.7	191.8	209.6	243.3	277.9	308.5
100°	260.7	240.0	229.3	224.8	229.3	240.0	260.7	280.6	310.6	340.3	354.4
102.5°	322.8	308.0	296.4	293.0	296.4	308.0	322.8	344.1	364.4	378.5	369.8
105°	400.5	391.0	385.2	381.8	385.2	391.0	400.5	409.8	412.9	400.2	360.8
107.5°	433.2	433.2	431.2	428.9	431.2	433.2	433.2	428.5	413.4	380.9	328.2
110°	437.1	442.5	444.6	444.6	444.6	442.5	437.1	424.1	399.7	359.1	304.3



TEST NUMBER: P333582-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	426.2	435.7	440.7	442.8	440.7	435.7	426.2	407.3	378.5	337.4	285.4
115°	399.7	413.4	421.5	425.3	421.5	413.4	399.7	377.2	345.8	306.3	261.6
117.5°	370.1	384.4	392.4	394.7	392.4	384.4	370.1	347.6	318.8	284.8	246.3
120°	351.0	364.8	372.6	374.9	372.6	364.8	351.0	329.6	304.3	272.6	238.0
122.5°	334.8	347.5	355.3	357.3	355.3	347.5	334.8	315.8	292.0	263.8	231.8
125°	314.1	325.9	332.2	335.1	332.2	325.9	314.1	297.9	277.2	252.1	222.7
127.5°	298.4	308.8	314.8	316.1	314.8	308.8	298.4	283.7	264.3	240.9	213.5
130°	288.7	298.2	304.0	305.7	304.0	298.2	288.7	274.3	255.6	233.1	207.7
132.5°	278.6	288.0	293.3	295.3	293.3	288.0	278.6	264.2	246.1	225.8	201.9
135°	262.0	271.4	276.6	278.3	276.6	271.4	262.0	249.2	232.8	214.3	194.5
137.5°	244.8	253.5	258.3	260.2	258.3	253.5	244.8	233.5	219.6	204.2	188.2
140°	234.2	241.7	246.1	247.5	246.1	241.7	234.2	223.6	211.5	198.2	184.7
142.5°	224.1	230.5	234.6	235.8	234.6	230.5	224.1	215.1	204.6	193.1	181.7
145°	210.3	215.2	218.4	219.6	218.4	215.2	210.3	203.4	195.7	186.7	177.8
147.5°	199.6	203.5	205.3	205.9	205.3	203.5	199.6	194.1	188.3	181.3	174.1
150°	193.3	196.8	198.0	198.2	198.0	196.8	193.3	189.0	183.8	178.4	172.0
152.5°	188.0	190.8	191.9	192.2	191.9	190.8	188.0	184.4	180.3	175.4	169.7
155°	180.9	183.0	183.8	184.1	183.8	183.0	180.9	178.1	174.9	170.9	166.2
157.5°	174.5	176.1	176.9	176.8	176.9	176.1	174.5	172.2	169.7	166.6	162.8
160°	170.3	171.7	172.3	172.0	172.3	171.7	170.3	168.3	166.2	163.4	160.5
162.5°	166.4	167.5	167.7	167.6	167.7	167.5	166.4	164.9	163.1	160.6	157.9
165°	160.8	161.3	161.3	161.3	161.3	161.3	160.8	159.6	158.2	156.5	154.4
167.5°	155.4	155.9	155.6	155.6	155.6	155.9	155.4	154.8	153.8	152.5	151.1
170°	152.1	152.5	152.5	152.1	152.5	152.5	152.1	151.6	151.0	150.1	149.3
172.5°	149.1	149.7	149.2	148.9	149.2	149.7	149.1	149.0	148.7	148.1	147.2
175°	145.5	145.8	145.2	145.0	145.2	145.8	145.5	145.5	145.5	145.0	145.0
177.5°	143.4	143.6	142.9	142.9	142.9	143.6	143.4	143.6	143.6	143.6	143.4
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333582-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1285.0	1289.9	1292.5	1298.7	1307.5	1311.9	1318.0	1322.4	1328.6	1336.1	1342.2
5°	1201.8	1215.0	1223.8	1237.5	1250.3	1262.9	1278.9	1290.4	1305.8	1323.4	1337.2
7.5°	1124.5	1141.1	1155.7	1173.9	1194.7	1211.0	1231.8	1253.1	1277.2	1302.2	1325.8
10°	1075.2	1091.8	1109.9	1132.5	1153.4	1175.4	1200.1	1224.9	1255.2	1283.3	1315.2
12.5°	1026.4	1044.6	1065.0	1090.2	1115.5	1143.7	1168.9	1196.8	1229.2	1265.7	1299.8
15°	965.7	983.3	1005.3	1026.8	1056.0	1086.8	1120.4	1157.2	1193.5	1234.3	1276.7
17.5°	900.7	920.1	944.3	969.1	999.9	1035.9	1068.9	1109.2	1150.1	1197.5	1247.4
20°	858.4	878.2	906.9	934.4	962.5	997.7	1036.7	1078.0	1121.4	1171.6	1227.1
22.5°	825.0	839.1	867.2	895.2	928.1	964.2	1002.4	1045.5	1092.8	1144.7	1202.9
25°	775.3	791.8	812.2	841.4	875.5	913.5	951.9	997.7	1049.4	1102.2	1164.4
27.5°	731.2	744.8	764.9	787.7	821.8	861.2	902.1	949.7	1002.8	1056.6	1122.0
30°	699.9	714.8	734.1	758.3	785.2	828.2	870.0	916.8	970.7	1026.3	1093.4
32.5°	672.6	687.9	704.6	727.5	756.6	794.8	837.9	883.8	938.6	995.9	1061.3
35°	634.5	644.9	660.3	682.9	711.5	742.3	786.4	834.8	888.2	947.6	1013.1
37.5°	590.7	604.2	619.5	639.1	664.2	697.6	738.5	787.4	837.0	893.9	953.7
40°	565.2	577.8	594.8	609.2	635.6	665.9	703.3	754.4	804.0	857.4	911.8
42.5°	539.2	551.4	565.8	583.6	607.4	636.7	671.6	719.2	772.3	822.6	868.2
45°	498.6	511.2	525.0	541.4	563.5	592.1	626.8	670.3	716.5	762.7	797.4
47.5°	459.7	471.6	484.6	501.5	521.8	549.4	580.4	618.8	663.7	703.0	727.8
50°	431.9	443.0	457.3	473.8	493.6	519.4	549.2	587.2	624.6	660.3	682.9
52.5°	404.7	417.0	431.3	445.6	464.6	490.4	518.0	550.6	586.3	615.5	634.1
55°	363.7	375.3	388.5	403.3	422.1	444.1	473.3	499.1	527.2	552.0	563.0
57.5°	324.2	334.4	346.7	362.2	379.0	399.5	422.7	447.5	467.3	484.8	497.3
60°	298.2	307.0	318.6	331.8	350.0	368.7	389.6	412.7	428.1	443.0	454.5
62.5°	271.8	280.2	291.3	303.2	319.2	336.6	356.6	375.3	390.3	400.3	413.6
65°	232.2	240.4	249.8	262.4	275.2	289.4	307.6	321.4	331.8	342.8	351.1
67.5°	195.3	202.2	211.1	221.0	231.7	245.4	259.5	270.9	278.1	284.7	294.6
70°	171.1	176.7	183.8	191.5	203.1	216.8	227.8	236.6	241.6	248.2	260.2
72.5°	146.5	152.9	159.6	167.3	176.7	188.2	197.9	206.7	209.9	215.2	222.9
75°	115.5	118.9	124.3	129.9	136.5	146.3	155.7	157.9	160.7	165.1	170.6
77.5°	87.4	90.3	92.5	96.2	101.5	109.4	114.4	117.6	118.3	119.9	125.4
80°	69.3	71.0	73.2	75.9	78.1	84.7	87.5	90.8	91.9	93.5	96.3
82.5°	50.9	52.5	53.8	56.1	59.7	62.3	65.1	68.3	68.6	69.8	70.4
85°	29.7	30.2	29.2	30.2	30.8	31.9	34.7	37.4	36.9	36.3	38.0
87.5°	11.6	11.5	10.9	12.2	11.2	11.6	11.5	11.8	12.6	13.3	14.1
90°	4.9	4.6	4.0	3.8	3.2	2.9	2.3	1.7	1.1	0.6	0.3
92.5°	75.2	92.9	94.4	65.7	39.4	23.6	15.2	10.3	6.7	4.2	3.5
95°	249.8	255.3	208.3	128.8	65.4	34.6	21.6	15.2	12.1	9.8	9.5
97.5°	316.1	272.6	186.1	102.8	56.3	36.0	26.7	21.0	17.8	16.1	15.8
100°	332.2	260.2	166.0	93.4	55.9	39.2	30.6	25.0	21.9	20.7	20.1
102.5°	322.5	238.3	150.7	89.4	58.0	43.1	34.7	29.7	26.3	25.4	25.0
105°	291.6	208.9	136.0	87.9	62.2	49.6	41.5	36.9	34.0	32.5	32.5
107.5°	260.0	188.7	129.8	90.5	68.6	56.3	49.1	44.3	41.9	40.5	39.9
110°	242.1	179.2	127.9	93.1	73.2	61.4	53.9	49.6	47.0	45.8	45.2



TEST NUMBER: P333582-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	228.7	173.7	127.9	96.3	77.5	66.2	58.9	54.6	52.0	51.1	50.5
115°	214.1	167.7	128.8	101.1	84.5	73.8	66.5	62.2	59.7	58.8	58.2
117.5°	205.4	164.8	130.7	106.6	91.5	81.4	74.4	69.5	66.9	66.0	65.1
120°	200.6	163.4	132.6	110.4	96.5	86.4	79.2	74.4	71.7	70.6	69.7
122.5°	196.4	162.2	134.1	114.5	101.3	91.3	84.1	78.8	76.1	75.2	74.6
125°	190.8	160.8	136.9	120.2	107.8	98.2	90.7	85.3	82.7	81.3	80.7
127.5°	185.6	160.1	139.9	125.3	113.9	104.8	97.3	91.5	88.1	86.3	85.4
130°	182.1	159.6	141.8	128.8	117.8	108.9	101.4	95.4	91.6	89.4	88.5
132.5°	179.4	159.6	143.8	131.8	121.6	112.6	105.1	98.8	94.7	91.9	90.7
135°	176.0	159.6	146.7	136.0	126.5	117.6	109.8	103.7	99.1	95.6	94.5
137.5°	173.1	160.0	149.3	139.1	130.0	121.9	113.9	107.9	103.3	100.1	99.2
140°	171.7	160.2	150.4	141.2	132.6	124.2	116.4	111.0	106.3	102.9	102.0
142.5°	170.6	160.5	151.1	142.4	134.1	126.3	119.0	113.7	109.1	105.8	105.3
145°	168.8	160.2	151.8	144.1	136.9	129.4	122.8	117.6	113.5	110.6	110.1
147.5°	167.1	159.5	152.1	145.1	138.6	132.0	126.2	121.7	118.0	115.4	115.1
150°	165.7	158.7	152.1	145.8	139.7	133.4	128.5	124.5	120.7	118.7	118.1
152.5°	164.0	157.8	151.9	146.3	140.9	135.0	130.6	126.8	123.5	121.7	121.4
155°	161.3	156.2	151.2	146.7	142.0	137.1	133.1	130.2	127.3	125.6	125.6
157.5°	158.8	154.4	150.5	146.9	143.0	138.8	135.7	133.2	130.8	129.4	129.5
160°	156.8	153.3	149.9	146.9	143.5	139.7	137.1	134.9	132.8	131.7	132.0
162.5°	154.9	151.9	149.1	146.8	144.0	140.6	138.5	136.7	134.9	133.8	134.0
165°	152.1	149.9	148.1	146.3	144.1	141.8	140.1	138.8	137.5	136.6	137.1
167.5°	149.4	147.8	146.5	145.7	144.1	142.2	141.0	140.2	139.5	138.9	139.3
170°	147.8	146.7	145.8	145.2	144.1	142.6	141.8	141.2	140.6	140.3	140.6
172.5°	146.2	145.3	144.9	144.8	143.8	142.6	142.2	141.9	141.3	141.0	141.5
175°	144.1	143.8	143.8	144.1	143.5	142.6	142.6	142.6	142.4	142.0	142.6
177.5°	143.2	142.9	142.9	143.4	143.2	142.7	142.7	142.9	142.7	142.7	143.2
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333582-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1347.1	1351.0	1356.7	1363.3	1368.6	1374.4	1377.4	1377.4	1380.1	1385.8	1393.3
5°	1351.0	1365.2	1379.0	1396.6	1410.4	1426.3	1438.4	1450.0	1460.4	1473.7	1487.4
7.5°	1349.8	1373.6	1398.4	1426.1	1456.7	1481.0	1506.0	1525.6	1545.0	1570.3	1590.2
10°	1345.4	1376.2	1409.8	1445.0	1483.5	1517.1	1547.4	1574.9	1601.3	1628.8	1653.6
12.5°	1337.5	1376.7	1417.7	1460.0	1508.6	1547.0	1586.2	1615.4	1646.3	1676.3	1706.8
15°	1325.6	1371.8	1421.4	1480.3	1539.7	1582.6	1621.1	1659.1	1687.7	1721.8	1751.0
17.5°	1301.1	1360.7	1422.9	1487.3	1544.4	1594.2	1634.7	1670.8	1701.3	1738.8	1778.4
20°	1286.5	1351.0	1415.8	1484.7	1539.1	1590.3	1629.4	1666.8	1704.8	1753.7	1802.1
22.5°	1266.3	1335.1	1403.9	1469.3	1526.8	1576.2	1616.6	1662.4	1712.2	1767.8	1826.4
25°	1234.3	1305.3	1373.5	1435.7	1491.8	1542.5	1597.5	1659.1	1719.6	1792.8	1877.0
27.5°	1193.7	1262.1	1323.0	1388.7	1444.5	1508.9	1577.5	1644.4	1731.6	1832.3	1937.4
30°	1163.3	1228.2	1286.0	1348.2	1411.4	1482.5	1559.5	1638.2	1742.2	1860.5	1985.4
32.5°	1128.0	1186.8	1244.1	1304.2	1377.1	1455.1	1537.0	1633.4	1757.6	1892.2	2021.5
35°	1067.0	1119.8	1175.4	1241.9	1319.6	1404.4	1508.9	1626.1	1776.3	1921.0	2037.1
37.5°	1002.9	1044.6	1100.4	1170.7	1255.2	1353.2	1471.9	1614.3	1768.6	1898.4	1947.9
40°	953.7	992.7	1051.6	1125.4	1208.9	1316.3	1449.4	1595.8	1751.0	1841.3	1837.4
42.5°	904.7	944.3	1000.9	1075.1	1162.3	1282.4	1419.5	1571.6	1702.6	1736.9	1665.2
45°	829.8	866.7	922.3	997.1	1090.6	1216.7	1360.8	1506.7	1590.3	1534.7	1392.8
47.5°	753.4	789.2	840.8	914.1	1016.3	1148.1	1284.4	1404.1	1415.8	1296.5	1126.2
50°	703.3	736.8	785.8	864.0	963.0	1091.8	1223.3	1317.4	1288.2	1142.4	966.9
52.5°	654.4	686.6	732.5	806.2	907.5	1033.6	1151.0	1224.9	1157.5	1002.4	844.5
55°	582.2	613.0	659.3	726.9	818.8	934.4	1037.3	1064.2	965.2	808.9	681.3
57.5°	513.6	536.2	581.9	641.7	730.3	832.3	906.0	901.2	791.8	651.1	559.5
60°	468.3	488.6	532.1	587.2	671.3	762.7	814.4	792.4	681.8	565.7	477.6
62.5°	426.0	445.1	481.5	532.1	604.5	683.9	721.5	691.1	586.7	484.7	414.7
65°	362.1	375.9	405.0	451.8	508.4	563.5	597.0	552.4	460.1	383.0	330.2
67.5°	302.3	314.2	340.1	373.7	412.8	450.8	464.5	422.7	350.7	298.8	261.6
70°	263.6	274.6	292.2	323.6	349.4	376.4	383.0	345.6	285.6	246.0	222.9
72.5°	226.6	236.8	252.2	274.3	292.2	307.7	310.8	276.1	230.2	202.8	185.0
75°	172.8	181.6	191.5	199.7	211.3	214.1	213.0	186.0	161.3	143.1	133.1
77.5°	127.0	130.6	136.7	140.0	140.6	140.3	134.7	117.6	104.8	97.4	93.4
80°	97.9	100.7	102.3	103.5	104.0	98.5	92.5	82.0	77.6	73.2	68.2
82.5°	71.1	73.0	74.6	74.8	71.8	67.3	61.6	56.4	53.4	51.2	49.3
85°	38.5	39.1	38.5	35.8	31.9	30.2	29.2	28.0	27.5	27.0	27.0
87.5°	13.8	12.6	10.4	11.0	11.2	10.8	10.8	10.5	10.2	10.2	10.3
90°	0.6	1.1	1.7	2.3	2.9	3.2	3.8	4.0	4.6	4.9	5.2
92.5°	4.2	6.7	10.3	15.2	23.6	39.4	65.7	94.4	92.9	75.2	51.0
95°	9.8	12.1	15.2	21.6	34.6	65.4	128.8	208.3	255.3	249.8	207.2
97.5°	16.1	17.8	21.0	26.7	36.0	56.3	102.8	186.1	272.6	316.1	308.5
100°	20.7	21.9	25.0	30.6	39.2	55.9	93.4	166.0	260.2	332.2	354.4
102.5°	25.4	26.3	29.7	34.7	43.1	58.0	89.4	150.7	238.3	322.5	369.8
105°	32.5	34.0	36.9	41.5	49.6	62.2	87.9	136.0	208.9	291.6	360.8
107.5°	40.5	41.9	44.3	49.1	56.3	68.6	90.5	129.8	188.7	260.0	328.2
110°	45.8	47.0	49.6	53.9	61.4	73.2	93.1	127.9	179.2	242.1	304.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	51.1	52.0	54.6	58.9	66.2	77.5	96.3	127.9	173.7	228.7	285.4
115°	58.8	59.7	62.2	66.5	73.8	84.5	101.1	128.8	167.7	214.1	261.6
117.5°	66.0	66.9	69.5	74.4	81.4	91.5	106.6	130.7	164.8	205.4	246.3
120°	70.6	71.7	74.4	79.2	86.4	96.5	110.4	132.6	163.4	200.6	238.0
122.5°	75.2	76.1	78.8	84.1	91.3	101.3	114.5	134.1	162.2	196.4	231.8
125°	81.3	82.7	85.3	90.7	98.2	107.8	120.2	136.9	160.8	190.8	222.7
127.5°	86.3	88.1	91.5	97.3	104.8	113.9	125.3	139.9	160.1	185.6	213.5
130°	89.4	91.6	95.4	101.4	108.9	117.8	128.8	141.8	159.6	182.1	207.7
132.5°	91.9	94.7	98.8	105.1	112.6	121.6	131.8	143.8	159.6	179.4	201.9
135°	95.6	99.1	103.7	109.8	117.6	126.5	136.0	146.7	159.6	176.0	194.5
137.5°	100.1	103.3	107.9	113.9	121.9	130.0	139.1	149.3	160.0	173.1	188.2
140°	102.9	106.3	111.0	116.4	124.2	132.6	141.2	150.4	160.2	171.7	184.7
142.5°	105.8	109.1	113.7	119.0	126.3	134.1	142.4	151.1	160.5	170.6	181.7
145°	110.6	113.5	117.6	122.8	129.4	136.9	144.1	151.8	160.2	168.8	177.8
147.5°	115.4	118.0	121.7	126.2	132.0	138.6	145.1	152.1	159.5	167.1	174.1
150°	118.7	120.7	124.5	128.5	133.4	139.7	145.8	152.1	158.7	165.7	172.0
152.5°	121.7	123.5	126.8	130.6	135.0	140.9	146.3	151.9	157.8	164.0	169.7
155°	125.6	127.3	130.2	133.1	137.1	142.0	146.7	151.2	156.2	161.3	166.2
157.5°	129.4	130.8	133.2	135.7	138.8	143.0	146.9	150.5	154.4	158.8	162.8
160°	131.7	132.8	134.9	137.1	139.7	143.5	146.9	149.9	153.3	156.8	160.5
162.5°	133.8	134.9	136.7	138.5	140.6	144.0	146.8	149.1	151.9	154.9	157.9
165°	136.6	137.5	138.8	140.1	141.8	144.1	146.3	148.1	149.9	152.1	154.4
167.5°	138.9	139.5	140.2	141.0	142.2	144.1	145.7	146.5	147.8	149.4	151.1
170°	140.3	140.6	141.2	141.8	142.6	144.1	145.2	145.8	146.7	147.8	149.3
172.5°	141.0	141.3	141.9	142.2	142.6	143.8	144.8	144.9	145.3	146.2	147.2
175°	142.0	142.4	142.6	142.6	142.6	143.5	144.1	143.8	143.8	144.1	145.0
177.5°	142.7	142.7	142.9	142.7	142.7	143.2	143.4	142.9	142.9	143.2	143.4
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1399.1	1399.1	1406.6	1406.1	1411.0	1409.2	1410.1
5°	1503.9	1513.3	1521.5	1527.1	1535.3	1537.5	1536.4
7.5°	1612.7	1633.5	1643.6	1657.4	1659.9	1667.2	1666.5
10°	1680.0	1700.4	1715.8	1727.9	1733.9	1741.6	1742.2
12.5°	1732.8	1750.1	1763.7	1775.0	1782.3	1784.8	1786.2
15°	1774.1	1793.3	1809.3	1825.3	1834.7	1841.8	1845.7
17.5°	1815.7	1845.4	1873.6	1895.2	1908.3	1919.3	1919.1
20°	1847.9	1882.0	1917.2	1942.0	1967.2	1978.2	1979.9
22.5°	1882.2	1934.4	1979.7	2018.1	2051.3	2062.8	2067.1
25°	1953.5	2021.7	2091.7	2145.5	2184.0	2206.6	2210.0
27.5°	2039.6	2132.0	2205.5	2255.3	2287.3	2304.0	2307.6
30°	2100.5	2185.7	2251.8	2289.2	2304.0	2306.2	2298.0
32.5°	2127.7	2191.4	2217.9	2215.7	2186.5	2167.1	2159.7
35°	2094.3	2081.1	2016.8	1939.8	1880.9	1843.5	1833.5
37.5°	1905.9	1792.0	1673.6	1557.2	1495.3	1463.7	1409.6
40°	1720.2	1557.9	1434.6	1336.6	1266.7	1210.6	1197.4
42.5°	1510.7	1343.0	1219.8	1135.9	1080.1	1041.5	1024.8
45°	1213.9	1069.8	967.9	903.6	860.6	832.6	819.9
47.5°	970.9	859.3	785.1	737.5	704.8	680.4	673.5
50°	837.6	748.4	685.7	645.5	620.7	602.0	594.3
52.5°	727.5	655.5	607.3	574.1	550.7	539.1	532.6
55°	600.4	538.2	503.5	477.1	463.9	454.5	450.1
57.5°	491.0	446.1	420.8	402.5	390.3	384.3	382.1
60°	429.7	394.5	371.5	357.1	348.9	341.2	339.0
62.5°	375.6	347.9	330.0	317.5	309.2	306.0	304.6
65°	302.6	284.5	271.3	263.6	257.0	255.8	255.4
67.5°	240.6	229.9	223.0	214.9	212.6	208.8	208.0
70°	205.8	198.7	190.4	187.7	184.9	181.1	181.6
72.5°	174.6	167.4	161.8	158.2	157.2	155.5	156.9
75°	127.7	125.5	123.3	120.5	119.4	119.4	118.9
77.5°	91.2	89.3	86.8	85.2	84.9	82.5	83.4
80°	66.0	63.3	62.2	62.7	61.1	60.5	60.5
82.5°	48.8	47.9	46.8	46.9	46.6	46.0	46.5
85°	27.0	26.4	26.4	25.8	25.8	25.3	25.3
87.5°	10.8	11.3	10.5	10.1	10.1	10.6	11.0
90°	5.5	5.8	6.4	6.4	6.4	6.6	6.6
92.5°	37.0	27.9	23.6	20.0	19.2	18.8	18.3
95°	163.4	127.9	103.7	83.2	74.6	72.3	67.8
97.5°	277.9	243.3	209.6	191.8	175.7	167.4	163.6
100°	340.3	310.6	280.6	260.7	240.0	229.3	224.8
102.5°	378.5	364.4	344.1	322.8	308.0	296.4	293.0
105°	400.2	412.9	409.8	400.5	391.0	385.2	381.8
107.5°	380.9	413.4	428.5	433.2	433.2	431.2	428.9
110°	359.1	399.7	424.1	437.1	442.5	444.6	444.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	337.4	378.5	407.3	426.2	435.7	440.7	442.8
115°	306.3	345.8	377.2	399.7	413.4	421.5	425.3
117.5°	284.8	318.8	347.6	370.1	384.4	392.4	394.7
120°	272.6	304.3	329.6	351.0	364.8	372.6	374.9
122.5°	263.8	292.0	315.8	334.8	347.5	355.3	357.3
125°	252.1	277.2	297.9	314.1	325.9	332.2	335.1
127.5°	240.9	264.3	283.7	298.4	308.8	314.8	316.1
130°	233.1	255.6	274.3	288.7	298.2	304.0	305.7
132.5°	225.8	246.1	264.2	278.6	288.0	293.3	295.3
135°	214.3	232.8	249.2	262.0	271.4	276.6	278.3
137.5°	204.2	219.6	233.5	244.8	253.5	258.3	260.2
140°	198.2	211.5	223.6	234.2	241.7	246.1	247.5
142.5°	193.1	204.6	215.1	224.1	230.5	234.6	235.8
145°	186.7	195.7	203.4	210.3	215.2	218.4	219.6
147.5°	181.3	188.3	194.1	199.6	203.5	205.3	205.9
150°	178.4	183.8	189.0	193.3	196.8	198.0	198.2
152.5°	175.4	180.3	184.4	188.0	190.8	191.9	192.2
155°	170.9	174.9	178.1	180.9	183.0	183.8	184.1
157.5°	166.6	169.7	172.2	174.5	176.1	176.9	176.8
160°	163.4	166.2	168.3	170.3	171.7	172.3	172.0
162.5°	160.6	163.1	164.9	166.4	167.5	167.7	167.6
165°	156.5	158.2	159.6	160.8	161.3	161.3	161.3
167.5°	152.5	153.8	154.8	155.4	155.9	155.6	155.6
170°	150.1	151.0	151.6	152.1	152.5	152.5	152.1
172.5°	148.1	148.7	149.0	149.1	149.7	149.2	148.9
175°	145.0	145.5	145.5	145.5	145.8	145.2	145.0
177.5°	143.6	143.6	143.6	143.4	143.6	142.9	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9

(END OF REPORT)