

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: P333594-930

Luminaire Tested: **S125RDIP-S1090D810U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333594-930
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-S1090D810U930-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5845.9 lumens
Efficiency: N/A
Efficacy: 107.5 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: General Diffuse

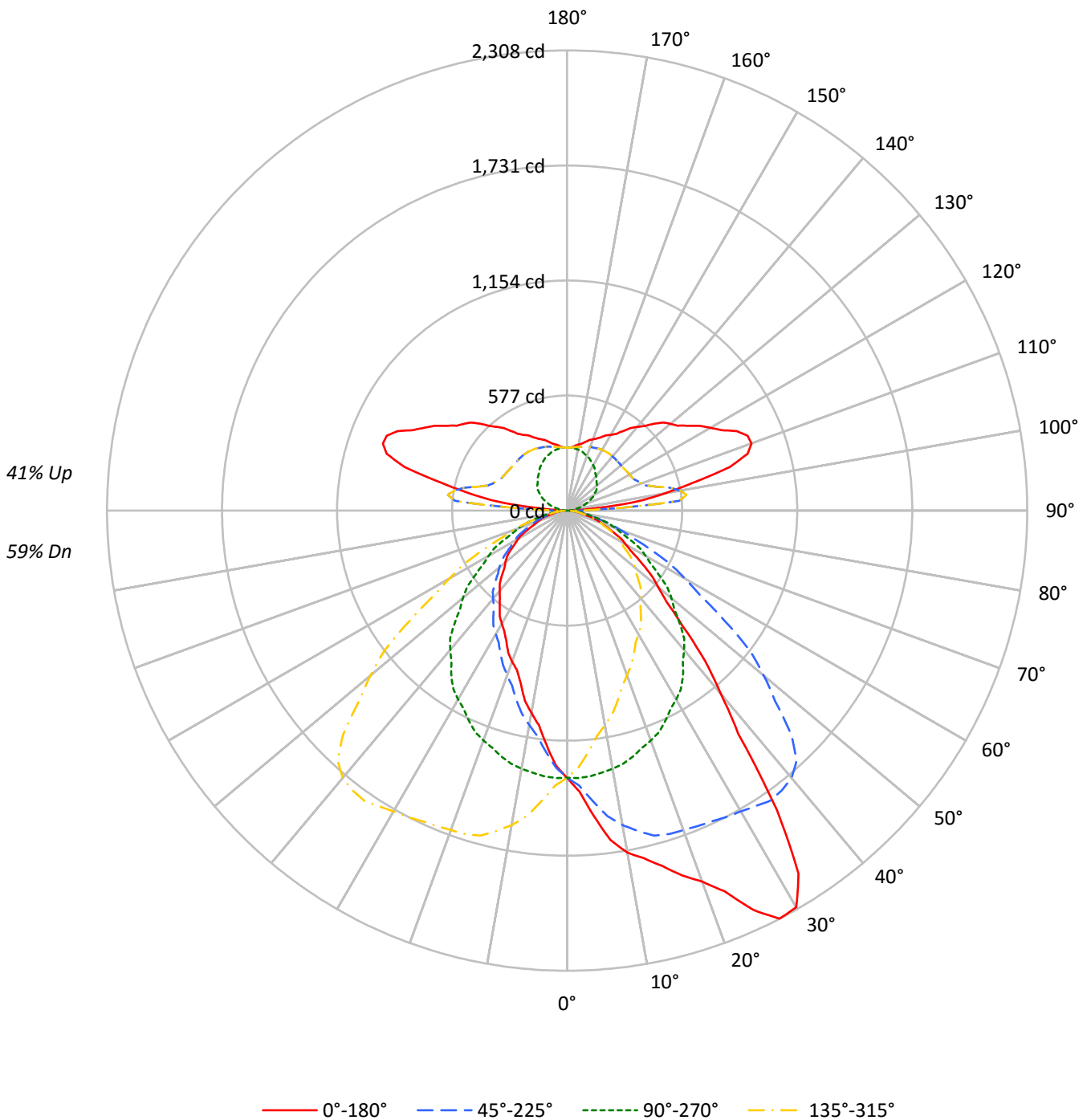
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59
1	100	96	92	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51
2	92	85	79	74	86	79	74	70	69	65	62	60	57	55	52	50	48	44
3	84	75	68	62	78	70	64	59	62	57	53	54	50	47	46	43	41	37
4	77	66	59	53	72	62	56	50	55	50	45	48	44	40	42	38	36	32
5	71	59	51	45	66	56	49	43	49	44	39	43	39	35	38	34	31	28
6	65	53	45	40	61	50	43	38	45	39	34	39	35	31	34	31	28	25
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	31	28	25	22
8	56	44	36	31	53	42	35	30	37	31	27	33	28	25	29	25	22	20
9	52	40	33	28	49	38	31	27	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

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	2.2
10°-20°	376.7	6.4
20°-30°	597.3	10.2
30°-40°	720.3	12.3
40°-50°	643.2	11.0
50°-60°	493.3	8.4
60°-70°	320.6	5.5
70°-80°	155.9	2.7
80°-90°	39.0	0.7
90°-100°	229.2	3.9
100°-110°	492.7	8.4
110°-120°	462.4	7.9
120°-130°	374.7	6.4
130°-140°	300.7	5.1
140°-150°	226.9	3.9
150°-160°	159.7	2.7
160°-170°	94.2	1.6
170°-180°	30.6	0.5
0°-30°	1102.6	18.9
0°-40°	1822.8	31.2
0°-60°	2959.4	50.6
0°-90°	3474.7	59.4
90°-120°	1184.3	20.3
90°-150°	2086.6	35.7
90°-180°	2371.0	40.6
0°-180°	5845.9	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°	15	1	15	1	15	11
95°	150	21	150	21	150	212
105°	845	72	845	72	845	840
115°	941	129	941	129	941	919
125°	741	178	741	178	741	671
135°	616	209	616	209	616	477
145°	486	244	486	244	486	309
155°	407	278	407	278	407	190
165°	357	304	357	304	357	102
175°	321	316	321	316	321	31
180°	316	316	316	316	316	



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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°	12.6	12.1	11.6	11.6	12.1	12.6	12.1	11.6	11.4	11.3	11.5
90°	14.7	14.7	14.0	14.0	14.0	12.7	12.1	11.5	10.8	10.2	8.9
92.5°	40.7	41.7	42.6	44.1	52.3	61.7	82.0	113.0	166.4	205.5	208.8
95°	149.8	160.0	165.1	184.3	229.5	283.1	361.4	458.4	552.7	564.8	460.9
97.5°	362.1	370.2	388.7	424.4	463.8	538.3	614.7	682.7	699.3	603.2	411.6
100°	497.3	507.4	531.0	576.9	620.9	687.2	752.8	784.1	735.0	575.7	367.2
102.5°	648.2	655.8	681.4	714.1	761.2	806.0	837.6	818.2	713.6	527.2	333.5
105°	844.7	852.3	865.0	886.1	906.5	913.5	885.5	798.1	645.1	462.2	300.9
107.5°	948.9	954.1	958.2	958.4	948.0	914.8	842.8	726.2	575.3	417.4	287.1
110°	983.7	983.7	979.2	967.0	938.3	884.2	794.3	673.2	535.5	396.5	283.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	979.6	974.9	963.8	943.1	901.2	837.2	746.3	631.4	505.9	384.3	283.1
115°	940.9	932.6	914.8	884.2	834.5	765.0	677.7	578.9	473.6	371.0	284.9
117.5°	873.2	868.1	850.4	818.8	769.1	705.3	630.1	544.9	454.4	364.5	289.2
120°	829.3	824.3	807.1	776.4	729.3	673.2	603.1	526.5	443.7	361.4	293.3
122.5°	790.6	786.0	768.8	740.8	698.7	646.1	583.7	512.8	434.5	358.9	296.8
125°	741.4	735.0	721.0	694.9	659.2	613.3	557.8	492.8	422.0	355.7	302.8
127.5°	699.3	696.5	683.2	660.1	627.8	584.8	533.0	472.4	410.5	354.2	309.6
130°	676.4	672.5	659.8	638.8	606.9	565.4	515.8	459.6	402.9	353.2	313.6
132.5°	653.4	649.1	637.3	616.3	584.4	544.5	499.4	446.9	396.8	353.2	318.2
135°	615.8	612.0	600.5	579.4	551.4	515.1	474.3	430.3	389.5	353.2	324.5
137.5°	575.7	571.4	560.8	541.8	516.6	485.8	451.8	416.3	383.0	353.9	330.2
140°	547.6	544.4	534.8	518.3	494.6	467.9	438.5	408.6	379.9	354.4	332.7
142.5°	521.5	518.9	509.9	495.9	475.8	452.6	427.4	402.0	377.4	355.0	334.3
145°	485.8	483.2	476.2	465.4	450.0	432.8	413.1	393.3	373.6	354.4	336.0
147.5°	455.4	454.3	450.2	441.5	429.4	416.4	401.2	385.1	369.6	352.8	336.6
150°	438.5	438.0	435.4	427.8	418.2	406.7	394.6	380.6	366.6	351.2	336.6
152.5°	425.3	424.7	422.2	416.0	408.0	399.1	388.0	375.4	363.0	349.2	336.1
155°	407.3	406.7	404.8	400.3	394.0	386.9	378.1	367.9	357.0	345.5	334.7
157.5°	391.3	391.4	389.6	386.0	381.0	375.4	368.6	360.2	351.4	341.7	333.0
160°	380.6	381.2	379.9	376.7	372.3	367.9	361.4	355.1	346.8	339.2	331.5
162.5°	370.9	371.0	370.7	368.1	364.6	360.7	355.3	349.4	342.7	336.1	330.0
165°	357.0	357.0	357.0	355.7	353.2	350.0	346.2	341.7	336.6	331.5	327.7
167.5°	344.2	344.4	344.9	343.7	342.4	340.1	337.2	334.3	330.6	327.0	324.1
170°	336.6	337.2	337.2	336.6	335.3	334.0	332.2	330.2	327.0	324.5	322.5
172.5°	329.5	330.1	331.1	330.0	329.7	329.0	327.5	325.6	323.4	321.4	320.5
175°	320.7	321.3	322.5	322.0	322.0	322.0	320.7	320.7	318.7	318.1	318.1
177.5°	316.2	316.2	317.7	317.2	317.7	317.7	317.7	317.2	316.7	316.2	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



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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°	11.8	11.5	11.8	11.6	10.9	12.8	13.9	14.2	13.5	12.8	12.2
90°	8.3	7.0	6.4	5.1	3.8	2.5	1.3	0.7	1.3	2.5	3.8
92.5°	145.4	87.1	52.3	33.7	22.7	14.8	9.5	7.7	9.5	14.8	22.7
95°	284.9	144.7	76.5	47.8	33.8	26.7	21.7	21.0	21.7	26.7	33.8
97.5°	227.5	124.7	79.6	58.9	46.3	39.3	35.7	34.9	35.7	39.3	46.3
100°	206.5	123.7	86.7	67.6	55.4	48.4	45.9	44.6	45.9	48.4	55.4
102.5°	197.9	128.2	95.4	76.7	65.6	58.1	56.1	55.4	56.1	58.1	65.6
105°	194.4	137.7	109.7	91.8	81.6	75.3	72.1	72.1	72.1	75.3	81.6
107.5°	200.3	151.7	124.6	108.5	97.9	92.7	89.6	88.4	89.6	92.7	97.9
110°	205.9	161.9	135.7	119.2	109.7	103.9	101.3	100.1	101.3	103.9	109.7



TEST NUMBER: P333594-930

CATALOG NUMBER: S125RDIP-S1090D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	213.0	171.6	146.5	130.4	120.8	115.1	113.1	111.8	113.1	115.1	120.8
115°	223.7	186.8	163.2	147.2	137.7	132.0	130.0	128.7	130.0	132.0	137.7
117.5°	236.0	202.4	180.0	164.6	153.8	148.1	146.0	144.1	146.0	148.1	153.8
120°	244.2	213.5	191.3	175.3	164.4	158.7	156.2	154.3	156.2	158.7	164.4
122.5°	253.3	224.3	201.9	186.1	174.1	168.4	166.4	165.0	166.4	168.4	174.1
125°	265.8	238.4	217.4	200.8	188.7	183.0	179.8	178.5	179.8	183.0	188.7
127.5°	277.3	252.1	231.8	215.2	202.4	195.1	191.0	189.1	191.0	195.1	202.4
130°	284.9	260.7	241.0	224.4	211.0	202.7	197.6	195.7	197.6	202.7	211.0
132.5°	291.6	268.9	249.2	232.5	218.7	209.4	203.3	200.8	203.3	209.4	218.7
135°	300.9	279.9	260.1	242.9	229.5	219.3	211.7	209.1	211.7	219.3	229.5
137.5°	307.8	287.6	269.6	251.9	238.8	228.6	221.4	219.6	221.4	228.6	238.8
140°	312.3	293.3	274.8	257.6	245.4	235.2	227.6	225.7	227.6	235.2	245.4
142.5°	315.0	296.8	279.3	263.2	251.5	241.3	234.2	232.8	234.2	241.3	251.5
145°	318.7	302.8	286.3	271.6	260.1	251.2	244.8	243.5	244.8	251.2	260.1
147.5°	321.1	306.6	292.1	279.2	269.3	261.0	255.5	254.7	255.5	261.0	269.3
150°	322.5	309.2	295.1	284.3	275.4	267.1	262.6	261.4	262.6	267.1	275.4
152.5°	323.6	311.7	298.7	288.9	280.5	273.2	269.3	268.5	269.3	273.2	280.5
155°	324.5	314.3	303.5	294.5	288.1	281.8	277.9	277.9	277.9	281.8	288.1
157.5°	325.1	316.4	307.1	300.4	294.7	289.3	286.3	286.3	286.3	289.3	294.7
160°	325.1	317.5	309.2	303.5	298.3	293.9	291.3	292.0	291.3	293.9	298.3
162.5°	324.6	318.5	311.2	306.5	302.4	298.5	296.0	296.5	296.0	298.5	302.4
165°	323.8	318.7	313.6	309.8	307.3	304.1	302.1	303.5	302.1	304.1	307.3
167.5°	322.3	318.7	314.5	312.1	310.3	308.5	307.4	308.0	307.4	308.5	310.3
170°	321.3	318.7	315.5	313.6	312.3	311.1	310.5	311.1	310.5	311.1	312.3
172.5°	320.2	318.2	315.5	314.6	313.9	312.6	312.0	313.2	312.0	312.6	313.9
175°	318.7	317.5	315.5	315.5	315.5	315.0	314.3	315.5	314.3	315.0	315.5
177.5°	317.2	316.7	315.7	315.7	316.2	315.7	315.7	316.7	315.7	315.7	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333594-930

CATALOG NUMBER: S125RDIP-S1090D810U930-4F0-1E-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°	12.0	12.3	12.0	13.1	11.9	12.6	12.7	12.4	12.6	12.6	12.5
90°	5.1	6.4	7.0	8.3	8.9	10.2	10.8	11.5	12.1	12.7	14.0
92.5°	33.7	52.3	87.1	145.4	208.8	205.5	166.4	113.0	82.0	61.7	52.3
95°	47.8	76.5	144.7	284.9	460.9	564.8	552.7	458.4	361.4	283.1	229.5
97.5°	58.9	79.6	124.7	227.5	411.6	603.2	699.3	682.7	614.7	538.3	463.8
100°	67.6	86.7	123.7	206.5	367.2	575.7	735.0	784.1	752.8	687.2	620.9
102.5°	76.7	95.4	128.2	197.9	333.5	527.2	713.6	818.2	837.6	806.0	761.2
105°	91.8	109.7	137.7	194.4	300.9	462.2	645.1	798.1	885.5	913.5	906.5
107.5°	108.5	124.6	151.7	200.3	287.1	417.4	575.3	726.2	842.8	914.8	948.0
110°	119.2	135.7	161.9	205.9	283.1	396.5	535.5	673.2	794.3	884.2	938.3



TEST NUMBER: P333594-930

CATALOG NUMBER: S125RDIP-S1090D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	130.4	146.5	171.6	213.0	283.1	384.3	505.9	631.4	746.3	837.2	901.2
115°	147.2	163.2	186.8	223.7	284.9	371.0	473.6	578.9	677.7	765.0	834.5
117.5°	164.6	180.0	202.4	236.0	289.2	364.5	454.4	544.9	630.1	705.3	769.1
120°	175.3	191.3	213.5	244.2	293.3	361.4	443.7	526.5	603.1	673.2	729.3
122.5°	186.1	201.9	224.3	253.3	296.8	358.9	434.5	512.8	583.7	646.1	698.7
125°	200.8	217.4	238.4	265.8	302.8	355.7	422.0	492.8	557.8	613.3	659.2
127.5°	215.2	231.8	252.1	277.3	309.6	354.2	410.5	472.4	533.0	584.8	627.8
130°	224.4	241.0	260.7	284.9	313.6	353.2	402.9	459.6	515.8	565.4	606.9
132.5°	232.5	249.2	268.9	291.6	318.2	353.2	396.8	446.9	499.4	544.5	584.4
135°	242.9	260.1	279.9	300.9	324.5	353.2	389.5	430.3	474.3	515.1	551.4
137.5°	251.9	269.6	287.6	307.8	330.2	353.9	383.0	416.3	451.8	485.8	516.6
140°	257.6	274.8	293.3	312.3	332.7	354.4	379.9	408.6	438.5	467.9	494.6
142.5°	263.2	279.3	296.8	315.0	334.3	355.0	377.4	402.0	427.4	452.6	475.8
145°	271.6	286.3	302.8	318.7	336.0	354.4	373.6	393.3	413.1	432.8	450.0
147.5°	279.2	292.1	306.6	321.1	336.6	352.8	369.6	385.1	401.2	416.4	429.4
150°	284.3	295.1	309.2	322.5	336.6	351.2	366.6	380.6	394.6	406.7	418.2
152.5°	288.9	298.7	311.7	323.6	336.1	349.2	363.0	375.4	388.0	399.1	408.0
155°	294.5	303.5	314.3	324.5	334.7	345.5	357.0	367.9	378.1	386.9	394.0
157.5°	300.4	307.1	316.4	325.1	333.0	341.7	351.4	360.2	368.6	375.4	381.0
160°	303.5	309.2	317.5	325.1	331.5	339.2	346.8	355.1	361.4	367.9	372.3
162.5°	306.5	311.2	318.5	324.6	330.0	336.1	342.7	349.4	355.3	360.7	364.6
165°	309.8	313.6	318.7	323.8	327.7	331.5	336.6	341.7	346.2	350.0	353.2
167.5°	312.1	314.5	318.7	322.3	324.1	327.0	330.6	334.3	337.2	340.1	342.4
170°	313.6	315.5	318.7	321.3	322.5	324.5	327.0	330.2	332.2	334.0	335.3
172.5°	314.6	315.5	318.2	320.2	320.5	321.4	323.4	325.6	327.5	329.0	329.7
175°	315.5	315.5	317.5	318.7	318.1	318.1	318.7	320.7	320.7	322.0	322.0
177.5°	315.7	315.7	316.7	317.2	316.2	316.2	316.7	317.2	317.7	317.7	317.7
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333594-930

CATALOG NUMBER: S125RDIP-S1090D810U930-4F0-1E-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°	13.0	12.5	12.6	12.6	12.6	12.5	13.0	12.5	12.6	12.6	12.4
90°	14.0	14.0	14.7	14.7	14.7	14.0	14.0	14.0	12.7	12.1	11.5
92.5°	44.1	42.6	41.7	40.7	41.7	42.6	44.1	52.3	61.7	82.0	113.0
95°	184.3	165.1	160.0	149.8	160.0	165.1	184.3	229.5	283.1	361.4	458.4
97.5°	424.4	388.7	370.2	362.1	370.2	388.7	424.4	463.8	538.3	614.7	682.7
100°	576.9	531.0	507.4	497.3	507.4	531.0	576.9	620.9	687.2	752.8	784.1
102.5°	714.1	681.4	655.8	648.2	655.8	681.4	714.1	761.2	806.0	837.6	818.2
105°	886.1	865.0	852.3	844.7	852.3	865.0	886.1	906.5	913.5	885.5	798.1
107.5°	958.4	958.2	954.1	948.9	954.1	958.2	958.4	948.0	914.8	842.8	726.2
110°	967.0	979.2	983.7	983.7	983.7	979.2	967.0	938.3	884.2	794.3	673.2



TEST NUMBER: P333594-930

CATALOG NUMBER: S125RDIP-S1090D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	943.1	963.8	974.9	979.6	974.9	963.8	943.1	901.2	837.2	746.3	631.4
115°	884.2	914.8	932.6	940.9	932.6	914.8	884.2	834.5	765.0	677.7	578.9
117.5°	818.8	850.4	868.1	873.2	868.1	850.4	818.8	769.1	705.3	630.1	544.9
120°	776.4	807.1	824.3	829.3	824.3	807.1	776.4	729.3	673.2	603.1	526.5
122.5°	740.8	768.8	786.0	790.6	786.0	768.8	740.8	698.7	646.1	583.7	512.8
125°	694.9	721.0	735.0	741.4	735.0	721.0	694.9	659.2	613.3	557.8	492.8
127.5°	660.1	683.2	696.5	699.3	696.5	683.2	660.1	627.8	584.8	533.0	472.4
130°	638.8	659.8	672.5	676.4	672.5	659.8	638.8	606.9	565.4	515.8	459.6
132.5°	616.3	637.3	649.1	653.4	649.1	637.3	616.3	584.4	544.5	499.4	446.9
135°	579.4	600.5	612.0	615.8	612.0	600.5	579.4	551.4	515.1	474.3	430.3
137.5°	541.8	560.8	571.4	575.7	571.4	560.8	541.8	516.6	485.8	451.8	416.3
140°	518.3	534.8	544.4	547.6	544.4	534.8	518.3	494.6	467.9	438.5	408.6
142.5°	495.9	509.9	518.9	521.5	518.9	509.9	495.9	475.8	452.6	427.4	402.0
145°	465.4	476.2	483.2	485.8	483.2	476.2	465.4	450.0	432.8	413.1	393.3
147.5°	441.5	450.2	454.3	455.4	454.3	450.2	441.5	429.4	416.4	401.2	385.1
150°	427.8	435.4	438.0	438.5	438.0	435.4	427.8	418.2	406.7	394.6	380.6
152.5°	416.0	422.2	424.7	425.3	424.7	422.2	416.0	408.0	399.1	388.0	375.4
155°	400.3	404.8	406.7	407.3	406.7	404.8	400.3	394.0	386.9	378.1	367.9
157.5°	386.0	389.6	391.4	391.3	391.4	389.6	386.0	381.0	375.4	368.6	360.2
160°	376.7	379.9	381.2	380.6	381.2	379.9	376.7	372.3	367.9	361.4	355.1
162.5°	368.1	370.7	371.0	370.9	371.0	370.7	368.1	364.6	360.7	355.3	349.4
165°	355.7	357.0	357.0	357.0	357.0	357.0	355.7	353.2	350.0	346.2	341.7
167.5°	343.7	344.9	344.4	344.2	344.4	344.9	343.7	342.4	340.1	337.2	334.3
170°	336.6	337.2	337.2	336.6	337.2	337.2	336.6	335.3	334.0	332.2	330.2
172.5°	330.0	331.1	330.1	329.5	330.1	331.1	330.0	329.7	329.0	327.5	325.6
175°	322.0	322.5	321.3	320.7	321.3	322.5	322.0	322.0	322.0	320.7	320.7
177.5°	317.2	317.7	316.2	316.2	316.2	317.7	317.2	317.7	317.7	317.7	317.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333594-930

CATALOG NUMBER: S125RDIP-S1090D810U930-4F0-1E-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°	12.7	12.6	11.9	13.1	12.0	12.3	12.0	12.2	12.8	13.5	14.2
90°	10.8	10.2	8.9	8.3	7.0	6.4	5.1	3.8	2.5	1.3	0.7
92.5°	166.4	205.5	208.8	145.4	87.1	52.3	33.7	22.7	14.8	9.5	7.7
95°	552.7	564.8	460.9	284.9	144.7	76.5	47.8	33.8	26.7	21.7	21.0
97.5°	699.3	603.2	411.6	227.5	124.7	79.6	58.9	46.3	39.3	35.7	34.9
100°	735.0	575.7	367.2	206.5	123.7	86.7	67.6	55.4	48.4	45.9	44.6
102.5°	713.6	527.2	333.5	197.9	128.2	95.4	76.7	65.6	58.1	56.1	55.4
105°	645.1	462.2	300.9	194.4	137.7	109.7	91.8	81.6	75.3	72.1	72.1
107.5°	575.3	417.4	287.1	200.3	151.7	124.6	108.5	97.9	92.7	89.6	88.4
110°	535.5	396.5	283.1	205.9	161.9	135.7	119.2	109.7	103.9	101.3	100.1



TEST NUMBER: P333594-930

CATALOG NUMBER: S125RDIP-S1090D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	505.9	384.3	283.1	213.0	171.6	146.5	130.4	120.8	115.1	113.1	111.8
115°	473.6	371.0	284.9	223.7	186.8	163.2	147.2	137.7	132.0	130.0	128.7
117.5°	454.4	364.5	289.2	236.0	202.4	180.0	164.6	153.8	148.1	146.0	144.1
120°	443.7	361.4	293.3	244.2	213.5	191.3	175.3	164.4	158.7	156.2	154.3
122.5°	434.5	358.9	296.8	253.3	224.3	201.9	186.1	174.1	168.4	166.4	165.0
125°	422.0	355.7	302.8	265.8	238.4	217.4	200.8	188.7	183.0	179.8	178.5
127.5°	410.5	354.2	309.6	277.3	252.1	231.8	215.2	202.4	195.1	191.0	189.1
130°	402.9	353.2	313.6	284.9	260.7	241.0	224.4	211.0	202.7	197.6	195.7
132.5°	396.8	353.2	318.2	291.6	268.9	249.2	232.5	218.7	209.4	203.3	200.8
135°	389.5	353.2	324.5	300.9	279.9	260.1	242.9	229.5	219.3	211.7	209.1
137.5°	383.0	353.9	330.2	307.8	287.6	269.6	251.9	238.8	228.6	221.4	219.6
140°	379.9	354.4	332.7	312.3	293.3	274.8	257.6	245.4	235.2	227.6	225.7
142.5°	377.4	355.0	334.3	315.0	296.8	279.3	263.2	251.5	241.3	234.2	232.8
145°	373.6	354.4	336.0	318.7	302.8	286.3	271.6	260.1	251.2	244.8	243.5
147.5°	369.6	352.8	336.6	321.1	306.6	292.1	279.2	269.3	261.0	255.5	254.7
150°	366.6	351.2	336.6	322.5	309.2	295.1	284.3	275.4	267.1	262.6	261.4
152.5°	363.0	349.2	336.1	323.6	311.7	298.7	288.9	280.5	273.2	269.3	268.5
155°	357.0	345.5	334.7	324.5	314.3	303.5	294.5	288.1	281.8	277.9	277.9
157.5°	351.4	341.7	333.0	325.1	316.4	307.1	300.4	294.7	289.3	286.3	286.3
160°	346.8	339.2	331.5	325.1	317.5	309.2	303.5	298.3	293.9	291.3	292.0
162.5°	342.7	336.1	330.0	324.6	318.5	311.2	306.5	302.4	298.5	296.0	296.5
165°	336.6	331.5	327.7	323.8	318.7	313.6	309.8	307.3	304.1	302.1	303.5
167.5°	330.6	327.0	324.1	322.3	318.7	314.5	312.1	310.3	308.5	307.4	308.0
170°	327.0	324.5	322.5	321.3	318.7	315.5	313.6	312.3	311.1	310.5	311.1
172.5°	323.4	321.4	320.5	320.2	318.2	315.5	314.6	313.9	312.6	312.0	313.2
175°	318.7	318.1	318.1	318.7	317.5	315.5	315.5	315.5	315.0	314.3	315.5
177.5°	316.7	316.2	316.2	317.2	316.7	315.7	315.7	316.2	315.7	315.7	316.7
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333594-930

CATALOG NUMBER: S125RDIP-S1090D810U930-4F0-1E-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°	13.9	12.8	10.9	11.6	11.8	11.5	11.8	11.5	11.3	11.4	11.6
90°	1.3	2.5	3.8	5.1	6.4	7.0	8.3	8.9	10.2	10.8	11.5
92.5°	9.5	14.8	22.7	33.7	52.3	87.1	145.4	208.8	205.5	166.4	113.0
95°	21.7	26.7	33.8	47.8	76.5	144.7	284.9	460.9	564.8	552.7	458.4
97.5°	35.7	39.3	46.3	58.9	79.6	124.7	227.5	411.6	603.2	699.3	682.7
100°	45.9	48.4	55.4	67.6	86.7	123.7	206.5	367.2	575.7	735.0	784.1
102.5°	56.1	58.1	65.6	76.7	95.4	128.2	197.9	333.5	527.2	713.6	818.2
105°	72.1	75.3	81.6	91.8	109.7	137.7	194.4	300.9	462.2	645.1	798.1
107.5°	89.6	92.7	97.9	108.5	124.6	151.7	200.3	287.1	417.4	575.3	726.2
110°	101.3	103.9	109.7	119.2	135.7	161.9	205.9	283.1	396.5	535.5	673.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	113.1	115.1	120.8	130.4	146.5	171.6	213.0	283.1	384.3	505.9	631.4
115°	130.0	132.0	137.7	147.2	163.2	186.8	223.7	284.9	371.0	473.6	578.9
117.5°	146.0	148.1	153.8	164.6	180.0	202.4	236.0	289.2	364.5	454.4	544.9
120°	156.2	158.7	164.4	175.3	191.3	213.5	244.2	293.3	361.4	443.7	526.5
122.5°	166.4	168.4	174.1	186.1	201.9	224.3	253.3	296.8	358.9	434.5	512.8
125°	179.8	183.0	188.7	200.8	217.4	238.4	265.8	302.8	355.7	422.0	492.8
127.5°	191.0	195.1	202.4	215.2	231.8	252.1	277.3	309.6	354.2	410.5	472.4
130°	197.6	202.7	211.0	224.4	241.0	260.7	284.9	313.6	353.2	402.9	459.6
132.5°	203.3	209.4	218.7	232.5	249.2	268.9	291.6	318.2	353.2	396.8	446.9
135°	211.7	219.3	229.5	242.9	260.1	279.9	300.9	324.5	353.2	389.5	430.3
137.5°	221.4	228.6	238.8	251.9	269.6	287.6	307.8	330.2	353.9	383.0	416.3
140°	227.6	235.2	245.4	257.6	274.8	293.3	312.3	332.7	354.4	379.9	408.6
142.5°	234.2	241.3	251.5	263.2	279.3	296.8	315.0	334.3	355.0	377.4	402.0
145°	244.8	251.2	260.1	271.6	286.3	302.8	318.7	336.0	354.4	373.6	393.3
147.5°	255.5	261.0	269.3	279.2	292.1	306.6	321.1	336.6	352.8	369.6	385.1
150°	262.6	267.1	275.4	284.3	295.1	309.2	322.5	336.6	351.2	366.6	380.6
152.5°	269.3	273.2	280.5	288.9	298.7	311.7	323.6	336.1	349.2	363.0	375.4
155°	277.9	281.8	288.1	294.5	303.5	314.3	324.5	334.7	345.5	357.0	367.9
157.5°	286.3	289.3	294.7	300.4	307.1	316.4	325.1	333.0	341.7	351.4	360.2
160°	291.3	293.9	298.3	303.5	309.2	317.5	325.1	331.5	339.2	346.8	355.1
162.5°	296.0	298.5	302.4	306.5	311.2	318.5	324.6	330.0	336.1	342.7	349.4
165°	302.1	304.1	307.3	309.8	313.6	318.7	323.8	327.7	331.5	336.6	341.7
167.5°	307.4	308.5	310.3	312.1	314.5	318.7	322.3	324.1	327.0	330.6	334.3
170°	310.5	311.1	312.3	313.6	315.5	318.7	321.3	322.5	324.5	327.0	330.2
172.5°	312.0	312.6	313.9	314.6	315.5	318.2	320.2	320.5	321.4	323.4	325.6
175°	314.3	315.0	315.5	315.5	315.5	317.5	318.7	318.1	318.1	318.7	320.7
177.5°	315.7	315.7	316.2	315.7	315.7	316.7	317.2	316.2	316.2	316.7	317.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



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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°	12.1	12.6	12.1	11.6	11.6	12.1	12.6
90°	12.1	12.7	14.0	14.0	14.0	14.7	14.7
92.5°	82.0	61.7	52.3	44.1	42.6	41.7	40.7
95°	361.4	283.1	229.5	184.3	165.1	160.0	149.8
97.5°	614.7	538.3	463.8	424.4	388.7	370.2	362.1
100°	752.8	687.2	620.9	576.9	531.0	507.4	497.3
102.5°	837.6	806.0	761.2	714.1	681.4	655.8	648.2
105°	885.5	913.5	906.5	886.1	865.0	852.3	844.7
107.5°	842.8	914.8	948.0	958.4	958.2	954.1	948.9
110°	794.3	884.2	938.3	967.0	979.2	983.7	983.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	746.3	837.2	901.2	943.1	963.8	974.9	979.6
115°	677.7	765.0	834.5	884.2	914.8	932.6	940.9
117.5°	630.1	705.3	769.1	818.8	850.4	868.1	873.2
120°	603.1	673.2	729.3	776.4	807.1	824.3	829.3
122.5°	583.7	646.1	698.7	740.8	768.8	786.0	790.6
125°	557.8	613.3	659.2	694.9	721.0	735.0	741.4
127.5°	533.0	584.8	627.8	660.1	683.2	696.5	699.3
130°	515.8	565.4	606.9	638.8	659.8	672.5	676.4
132.5°	499.4	544.5	584.4	616.3	637.3	649.1	653.4
135°	474.3	515.1	551.4	579.4	600.5	612.0	615.8
137.5°	451.8	485.8	516.6	541.8	560.8	571.4	575.7
140°	438.5	467.9	494.6	518.3	534.8	544.4	547.6
142.5°	427.4	452.6	475.8	495.9	509.9	518.9	521.5
145°	413.1	432.8	450.0	465.4	476.2	483.2	485.8
147.5°	401.2	416.4	429.4	441.5	450.2	454.3	455.4
150°	394.6	406.7	418.2	427.8	435.4	438.0	438.5
152.5°	388.0	399.1	408.0	416.0	422.2	424.7	425.3
155°	378.1	386.9	394.0	400.3	404.8	406.7	407.3
157.5°	368.6	375.4	381.0	386.0	389.6	391.4	391.3
160°	361.4	367.9	372.3	376.7	379.9	381.2	380.6
162.5°	355.3	360.7	364.6	368.1	370.7	371.0	370.9
165°	346.2	350.0	353.2	355.7	357.0	357.0	357.0
167.5°	337.2	340.1	342.4	343.7	344.9	344.4	344.2
170°	332.2	334.0	335.3	336.6	337.2	337.2	336.6
172.5°	327.5	329.0	329.7	330.0	331.1	330.1	329.5
175°	320.7	322.0	322.0	322.0	322.5	321.3	320.7
177.5°	317.7	317.7	317.7	317.2	317.7	316.2	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2

(END OF REPORT)