

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: P332150-940

Luminaire Tested: **S123DIW-S775D460U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332150-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S775D460U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 460 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4554.1 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

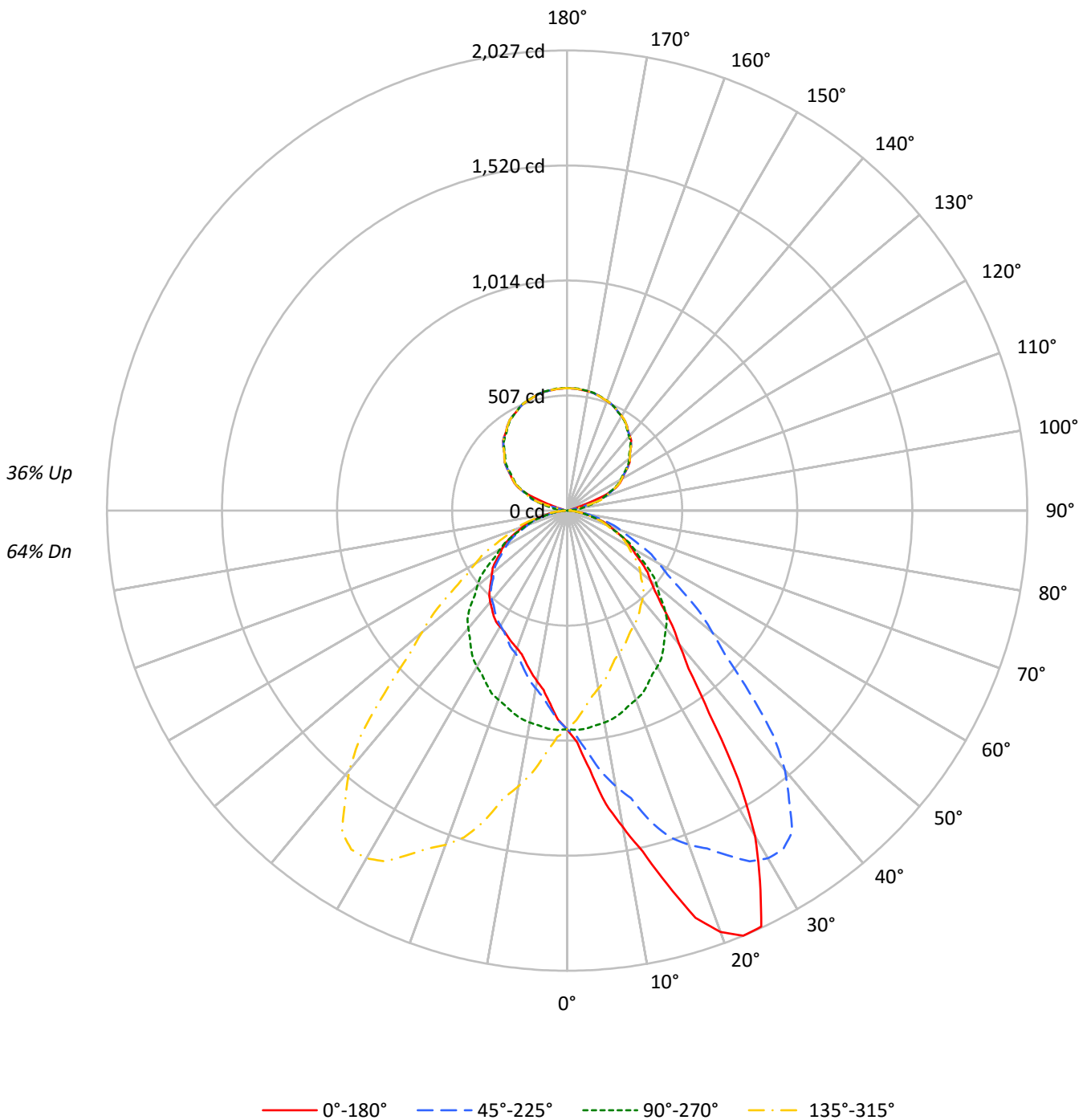
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	110	110	110	110	104	104	104	104	91	91	91	79	79	79	69	69	69	64								
1	101	97	93	90	95	91	88	85	80	78	76	71	69	67	61	60	59	55								
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50	46								
3	85	75	68	62	79	71	64	59	63	58	54	55	51	48	49	46	43	39								
4	78	67	59	53	73	63	56	50	56	50	46	50	45	42	44	40	37	34								
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	39	36	33	30								
6	66	54	45	40	62	51	43	38	45	39	35	40	36	32	36	32	29	26								
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	23								
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21								
9	53	40	33	28	50	38	31	27	35	29	25	31	26	23	28	24	21	19								
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	26	22	19	17								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10371	10371	10371	10371
5°	12369	10416	9231	10416
10°	15481	10364	8337	10364
15°	18988	10280	7762	10280
20°	22620	10149	7391	10149
25°	24018	9991	7308	9991
30°	20586	9875	7346	9875
35°	14318	9711	7423	9711
40°	10784	9517	7399	9517
45°	8954	9232	7305	9232
50°	8020	8646	7239	8646
55°	7499	8015	7148	8015
60°	7035	7356	7076	7356
65°	6612	6706	6849	6706
70°	6200	5964	6521	5964
75°	5552	5224	5976	5224
80°	4866	4283	5151	4283
85°	3816	3112	3458	3112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	2.1
10°-20°	304.3	6.7
20°-30°	510.8	11.2
30°-40°	578.4	12.7
40°-50°	518.7	11.4
50°-60°	418.6	9.2
60°-70°	291.7	6.4
70°-80°	153.3	3.4
80°-90°	39.0	0.9
90°-100°	19.6	0.4
100°-110°	93.4	2.1
110°-120°	224.4	4.9
120°-130°	285.8	6.3
130°-140°	305.4	6.7
140°-150°	285.5	6.3
150°-160°	230.3	5.1
160°-170°	148.7	3.3
170°-180°	51.2	1.1
0°-30°	910.1	20.0
0°-40°	1488.4	32.7
0°-60°	2425.7	53.3
0°-90°	2909.6	63.9
90°-120°	337.5	7.4
90°-150°	1214.2	26.7
90°-180°	1644.0	36.1
0°-180°	4554.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	964	964	964	964	964	
5°	1145	964	854	964	1145	119
15°	1704	922	696	922	1704	492
25°	2022	841	615	841	2022	887
35°	1090	739	565	739	1090	708
45°	588	606	480	606	588	465
55°	400	427	381	427	400	359
65°	260	263	269	263	260	259
75°	134	126	144	126	134	143
85°	31	25	28	25	31	37
90°	12	0	12	0	12	7
95°	15	24	15	24	15	13
105°	18	119	18	119	18	40
115°	236	224	236	224	236	218
125°	322	316	322	316	322	288
135°	397	393	397	393	397	306
145°	458	454	458	454	458	286
155°	499	500	499	500	499	230
165°	526	527	526	527	526	148
175°	537	539	537	539	537	51
180°	539	539	539	539	539	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1022.5	1021.8	1019.9	1021.5	1018.4	1014.3	1014.0	1010.2	999.3	998.6	995.7
5°	1144.7	1140.9	1140.5	1140.0	1133.5	1124.6	1107.8	1106.3	1084.0	1072.7	1059.3
7.5°	1302.8	1304.8	1298.0	1292.0	1272.0	1258.8	1240.8	1217.7	1190.3	1162.3	1143.7
10°	1416.4	1431.7	1412.6	1399.5	1387.4	1364.5	1337.9	1304.8	1271.7	1232.9	1203.5
12.5°	1538.1	1545.7	1541.9	1529.6	1510.6	1475.9	1428.7	1392.1	1361.6	1297.1	1271.0
15°	1703.9	1732.4	1714.2	1672.1	1673.1	1639.9	1578.3	1510.6	1474.7	1418.2	1341.2
17.5°	1880.5	1884.1	1876.3	1841.4	1818.0	1772.5	1715.6	1650.7	1577.9	1509.5	1427.8
20°	1974.7	1971.8	1955.5	1937.3	1897.2	1861.7	1799.7	1727.2	1633.9	1566.6	1477.5
22.5°	2026.9	2022.3	2014.6	1999.3	1965.9	1927.8	1872.1	1793.0	1704.1	1611.5	1508.5
25°	2022.3	2028.4	2029.3	2025.1	2013.4	1990.6	1946.7	1883.6	1794.9	1675.9	1568.5
27.5°	1839.3	1847.9	1872.9	1895.0	1919.7	1944.9	1941.5	1910.2	1844.6	1741.9	1610.5
30°	1656.3	1637.6	1683.8	1742.2	1781.9	1851.9	1891.1	1893.5	1856.5	1768.4	1640.4
32.5°	1402.3	1422.9	1443.3	1515.1	1601.9	1680.5	1758.5	1821.4	1828.5	1769.9	1658.0
35°	1089.6	1115.3	1152.6	1189.9	1283.4	1363.6	1500.8	1620.3	1715.6	1728.2	1659.6
37.5°	878.0	890.7	914.4	951.7	1012.8	1108.0	1214.2	1365.3	1503.2	1605.9	1610.3
40°	767.5	771.2	797.8	826.3	875.7	954.2	1049.9	1183.4	1348.6	1492.0	1551.8
42.5°	684.6	692.8	704.1	731.4	770.8	829.8	918.8	1029.1	1180.6	1345.6	1462.5
45°	588.2	597.5	604.6	622.8	650.8	690.5	752.5	853.4	968.7	1139.1	1296.4
47.5°	524.5	525.3	530.5	544.2	563.3	593.1	636.9	701.8	807.6	945.7	1107.3
50°	478.9	486.4	488.3	499.0	514.0	535.9	572.3	627.4	714.3	835.6	984.1
52.5°	446.8	449.1	454.3	462.1	475.1	492.2	523.8	566.9	635.1	738.5	875.0
55°	399.6	399.6	404.7	410.8	418.3	433.6	454.7	486.4	538.2	618.6	731.6
57.5°	355.9	358.2	361.9	363.7	370.1	380.3	397.8	422.0	460.6	522.4	612.2
60°	326.8	331.0	330.6	334.2	339.8	347.8	362.7	382.4	416.9	466.4	542.0
62.5°	301.4	301.1	301.0	305.5	311.1	318.7	328.3	345.4	374.7	418.6	483.0
65°	259.6	258.6	261.9	264.7	266.5	272.2	279.6	294.5	314.1	346.9	396.8
67.5°	222.4	219.7	221.5	222.4	225.6	230.0	236.9	246.2	261.8	288.0	325.7
70°	197.0	194.7	194.2	195.1	198.0	201.2	206.3	215.2	229.7	250.7	278.2
72.5°	170.9	169.2	169.2	171.2	172.5	174.7	178.3	186.5	198.0	213.7	239.4
75°	133.5	133.5	133.5	133.9	135.4	137.2	140.1	144.3	153.1	164.3	181.6
77.5°	100.0	100.0	99.4	99.3	101.4	102.3	102.9	106.8	111.7	119.3	131.9
80°	78.5	76.1	77.0	78.5	79.4	79.8	81.2	82.1	86.4	90.6	99.4
82.5°	58.2	56.3	56.4	58.7	58.9	59.3	60.7	62.0	63.6	67.4	72.1
85°	30.9	30.9	31.3	31.3	31.7	31.3	32.6	33.2	33.2	35.5	38.3
87.5°	13.6	12.8	13.2	13.5	13.1	13.4	13.7	14.0	14.4	14.6	14.8
90°	12.0	11.9	11.7	11.5	11.3	11.1	10.7	10.3	10.0	9.6	8.5
92.5°	13.3	13.2	13.1	13.0	12.8	12.6	11.9	11.4	10.8	10.3	9.4
95°	15.2	15.2	15.2	15.2	15.2	14.9	14.3	13.6	13.0	12.4	11.4
97.5°	16.5	16.4	16.3	16.2	16.1	15.8	15.1	14.4	13.6	12.9	19.4
100°	16.9	16.8	16.7	16.6	16.5	16.1	15.3	14.6	13.9	13.2	27.1
102.5°	17.1	16.9	16.9	16.7	16.5	17.6	19.7	21.9	24.2	26.4	41.6
105°	17.7	17.5	17.3	17.1	16.9	24.7	40.5	56.2	72.0	87.7	95.8
107.5°	55.4	67.2	79.1	91.0	102.9	114.6	126.2	137.7	149.3	160.8	159.5
110°	110.2	122.9	135.6	148.4	161.1	168.9	171.8	174.8	177.7	180.7	179.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	189.0	191.7	194.4	197.1	199.7	201.1	201.0	201.0	200.9	200.9	199.9
115°	235.6	235.2	234.9	234.5	234.2	233.5	232.6	231.8	230.9	230.0	229.2
117.5°	261.7	261.6	261.5	261.4	261.4	261.0	260.3	259.6	258.9	258.2	257.8
120°	279.6	279.6	279.6	279.6	279.6	279.3	278.6	277.9	277.1	276.4	276.2
122.5°	297.3	297.2	297.1	297.0	296.9	296.7	296.2	295.7	295.2	294.7	294.4
125°	322.1	321.9	321.7	321.6	321.4	321.2	321.0	320.8	320.7	320.5	320.1
127.5°	346.0	346.2	346.3	346.5	346.7	346.6	346.3	346.1	345.8	345.5	345.1
130°	361.3	361.5	361.7	361.9	362.0	361.9	361.6	361.2	360.9	360.5	360.3
132.5°	375.5	375.7	375.9	376.2	376.5	376.4	376.0	375.7	375.3	375.0	374.7
135°	397.0	397.3	397.5	397.8	398.1	398.1	397.8	397.5	397.3	397.0	396.6
137.5°	417.3	417.5	417.7	417.9	418.0	417.9	417.4	417.1	416.6	416.2	416.0
140°	429.4	429.6	429.8	430.0	430.2	430.1	429.7	429.4	429.0	428.6	428.4
142.5°	440.7	441.0	441.2	441.4	441.7	441.7	441.4	441.1	440.8	440.5	440.2
145°	457.9	457.9	457.9	457.9	457.9	457.8	457.6	457.4	457.3	457.1	456.9
147.5°	470.7	471.2	471.5	472.0	472.3	472.5	472.3	472.2	472.0	471.8	471.6
150°	480.4	480.6	480.9	481.2	481.4	481.4	481.3	481.1	480.9	480.7	480.5
152.5°	488.0	488.5	488.8	489.3	489.6	489.7	489.4	489.1	488.7	488.5	488.3
155°	498.8	499.3	499.8	500.3	500.9	501.0	500.5	500.1	499.6	499.2	499.1
157.5°	507.8	508.5	509.3	509.9	510.6	510.7	510.1	509.6	509.1	508.5	508.6
160°	513.6	514.2	514.9	515.5	516.1	516.1	515.6	515.1	514.5	514.0	514.1
162.5°	519.1	519.6	520.1	520.7	521.3	521.2	520.7	520.0	519.4	518.8	518.9
165°	525.7	526.3	526.9	527.4	528.1	528.1	527.4	526.6	525.9	525.2	525.3
167.5°	530.4	531.1	531.8	532.4	533.2	533.2	532.4	531.8	531.1	530.4	530.4
170°	533.2	534.0	534.7	535.4	536.1	536.1	535.4	534.7	534.0	533.2	533.2
172.5°	534.8	535.7	536.4	537.2	538.0	538.0	537.3	536.5	535.8	535.1	535.1
175°	537.3	538.0	538.7	539.4	540.1	540.1	539.5	538.9	538.2	537.6	537.5
177.5°	538.0	538.7	539.4	540.1	540.8	540.9	540.3	539.8	539.1	538.6	538.5
180°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	993.4	990.4	987.4	982.2	977.8	971.3	969.5	967.2	960.6	954.6	950.1
5°	1054.1	1042.9	1026.5	1011.6	999.5	983.1	973.8	964.0	950.0	937.4	927.1
7.5°	1117.6	1095.6	1070.1	1042.7	1017.1	992.5	972.6	954.8	935.2	916.7	902.2
10°	1168.0	1136.2	1100.8	1062.5	1029.8	998.1	971.4	948.2	922.9	901.0	882.8
12.5°	1225.5	1178.5	1129.5	1083.1	1044.4	1000.3	968.1	938.4	909.8	883.4	863.0
15°	1293.6	1233.9	1175.9	1112.0	1053.2	998.1	959.8	922.5	889.3	862.2	836.1
17.5°	1355.6	1287.9	1211.6	1133.8	1062.8	997.6	944.0	901.7	860.2	827.2	801.1
20°	1390.7	1313.7	1227.3	1146.6	1068.1	995.2	936.5	886.0	841.2	806.2	776.8
22.5°	1420.9	1330.8	1241.4	1155.1	1067.7	989.3	922.7	870.8	822.2	787.9	756.6
25°	1452.3	1344.4	1254.8	1153.5	1056.0	974.7	900.0	841.2	792.6	752.5	720.3
27.5°	1479.2	1343.5	1237.2	1128.2	1037.5	956.1	876.3	813.2	761.7	718.1	685.4
30°	1497.1	1345.4	1218.9	1111.1	1019.6	935.5	858.0	794.5	740.4	696.1	665.2
32.5°	1508.3	1344.3	1202.1	1087.2	991.1	916.9	838.2	772.5	716.8	673.2	643.5
35°	1514.8	1336.1	1173.1	1037.8	945.3	873.0	807.2	739.0	680.6	640.0	606.5
37.5°	1501.8	1318.8	1139.5	990.2	888.9	817.7	762.3	704.3	648.5	603.7	574.8
40°	1481.2	1307.6	1113.4	956.5	850.1	781.5	734.3	677.3	622.2	579.8	552.7
42.5°	1442.0	1284.8	1084.6	919.2	809.8	741.1	697.8	650.1	598.0	558.1	531.1
45°	1346.3	1235.2	1041.5	863.2	750.2	679.2	641.0	606.5	559.3	520.5	497.1
47.5°	1213.5	1160.7	979.1	804.1	688.0	619.7	580.0	552.1	517.7	486.4	464.0
50°	1121.3	1099.4	936.9	763.8	646.6	579.8	541.5	516.3	491.6	460.3	439.8
52.5°	1014.9	1028.4	887.6	721.9	604.3	538.7	502.7	482.7	460.2	434.5	416.6
55°	865.0	914.0	802.5	651.7	541.5	478.9	444.9	427.1	414.1	394.9	379.5
57.5°	724.7	787.1	710.4	579.3	479.8	425.9	393.2	373.8	365.4	355.4	343.3
60°	641.4	703.0	644.7	530.7	438.4	387.0	358.0	341.7	333.3	326.3	316.0
62.5°	567.1	629.5	580.4	481.5	397.6	350.0	324.9	308.9	302.3	298.6	289.9
65°	464.9	518.6	486.0	404.7	339.4	297.4	274.5	263.3	257.3	255.8	250.2
67.5°	378.4	419.3	395.5	335.7	284.3	248.0	228.5	219.0	214.4	213.9	209.7
70°	321.6	359.9	341.7	287.6	243.3	214.7	198.0	189.5	186.7	186.3	184.0
72.5°	277.6	304.3	289.8	244.6	210.4	184.5	172.2	163.4	160.2	160.9	159.3
75°	205.4	225.5	217.0	185.8	158.3	141.4	131.2	125.6	122.8	124.2	122.3
77.5°	147.8	160.5	152.9	131.3	114.3	102.1	94.6	91.1	88.6	88.5	87.7
80°	111.6	119.0	114.9	101.7	87.7	77.5	71.4	69.1	67.7	67.2	66.8
82.5°	79.5	85.8	80.9	71.9	62.3	56.2	52.8	49.7	48.7	49.0	48.4
85°	40.1	42.4	40.6	35.0	31.3	28.4	26.6	25.2	24.3	24.7	23.8
87.5°	15.2	15.4	14.1	12.4	11.4	10.2	10.0	9.0	8.5	8.6	8.5
90°	7.3	6.2	5.0	3.9	3.0	2.1	1.2	0.4	1.2	2.1	3.0
92.5°	8.5	7.7	6.8	6.4	6.7	7.0	7.2	7.5	7.2	7.0	6.7
95°	10.4	9.5	8.5	9.8	13.5	17.1	20.8	24.4	20.8	17.1	13.5
97.5°	25.7	32.1	38.5	42.5	44.2	45.8	47.4	49.1	47.4	45.8	44.2
100°	41.0	54.9	68.8	74.8	73.0	71.2	69.5	67.7	69.5	71.2	73.0
102.5°	56.7	71.9	87.0	94.0	92.7	91.4	90.2	88.8	90.2	91.4	92.7
105°	103.8	111.7	119.8	123.3	122.3	121.4	120.4	119.4	120.4	121.4	122.3
107.5°	158.3	157.0	155.8	154.7	153.9	153.2	152.4	151.6	152.4	153.2	153.9
110°	178.7	177.7	176.7	175.9	175.2	174.5	173.8	173.1	173.8	174.5	175.2



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	198.9	198.0	197.0	196.2	195.5	194.8	194.2	193.6	194.2	194.8	195.5
115°	228.4	227.6	226.8	226.0	225.5	225.0	224.4	223.9	224.4	225.0	225.5
117.5°	257.3	256.9	256.5	256.0	255.3	254.7	254.0	253.3	254.0	254.7	255.3
120°	275.9	275.6	275.4	274.8	274.0	273.2	272.4	271.6	272.4	273.2	274.0
122.5°	294.0	293.7	293.4	292.8	292.2	291.5	290.9	290.3	290.9	291.5	292.2
125°	319.8	319.4	319.1	318.5	317.8	317.1	316.4	315.7	316.4	317.1	317.8
127.5°	344.6	344.2	343.8	343.2	342.5	341.8	341.1	340.4	341.1	341.8	342.5
130°	359.9	359.5	359.2	358.6	357.9	357.2	356.5	355.8	356.5	357.2	357.9
132.5°	374.4	374.2	373.8	373.4	372.6	371.9	371.2	370.5	371.2	371.9	372.6
135°	396.3	395.9	395.6	395.1	394.6	394.0	393.5	393.0	393.5	394.0	394.6
137.5°	415.8	415.6	415.4	414.9	414.3	413.6	413.0	412.2	413.0	413.6	414.3
140°	428.1	427.8	427.6	427.2	426.7	426.1	425.6	425.1	425.6	426.1	426.7
142.5°	440.0	439.7	439.4	439.1	438.5	438.0	437.5	436.9	437.5	438.0	438.5
145°	456.7	456.6	456.4	456.0	455.4	454.8	454.1	453.5	454.1	454.8	455.4
147.5°	471.4	471.3	471.1	470.7	470.4	469.9	469.6	469.1	469.6	469.9	470.4
150°	480.4	480.2	480.0	479.8	479.6	479.3	479.0	478.8	479.0	479.3	479.6
152.5°	488.2	488.1	488.0	487.9	487.8	487.7	487.5	487.4	487.5	487.7	487.8
155°	499.0	498.9	498.8	498.9	499.1	499.2	499.4	499.5	499.4	499.2	499.1
157.5°	508.7	508.8	508.9	509.0	509.0	509.0	509.0	509.1	509.0	509.0	509.0
160°	514.2	514.2	514.3	514.4	514.5	514.6	514.7	514.8	514.7	514.6	514.5
162.5°	519.0	519.1	519.2	519.3	519.6	519.8	520.0	520.2	520.0	519.8	519.6
165°	525.4	525.5	525.6	525.8	526.0	526.3	526.6	526.8	526.6	526.3	526.0
167.5°	530.4	530.4	530.4	530.6	530.9	531.3	531.6	532.0	531.6	531.3	530.9
170°	533.2	533.2	533.2	533.4	533.8	534.1	534.5	534.8	534.5	534.1	533.8
172.5°	535.0	534.9	534.8	535.0	535.5	535.9	536.4	536.7	536.4	535.9	535.5
175°	537.4	537.3	537.3	537.4	537.9	538.3	538.8	539.2	538.8	538.3	537.9
177.5°	538.4	538.4	538.3	538.4	538.8	539.1	539.5	539.8	539.5	539.1	538.8
180°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	947.4	944.9	941.1	935.5	931.0	923.9	923.9	925.1	925.1	924.7	923.9
5°	918.7	911.7	903.3	893.5	883.2	873.0	871.1	867.4	864.6	862.7	860.3
7.5°	888.4	875.9	863.7	850.0	837.5	827.2	819.9	814.0	810.1	806.0	803.1
10°	867.8	852.4	837.9	823.5	807.6	795.0	787.1	781.5	777.3	773.6	771.7
12.5°	843.6	825.9	809.9	796.2	778.8	765.9	758.3	755.7	750.7	742.9	738.8
15°	808.1	791.8	772.6	751.6	743.2	727.3	718.5	714.3	711.4	705.3	703.5
17.5°	777.8	756.3	734.9	719.2	703.6	690.7	685.7	680.6	676.8	671.8	670.4
20°	753.5	734.3	714.7	697.9	681.5	667.5	663.3	659.6	655.9	653.5	651.7
22.5°	728.8	709.7	693.4	677.7	660.3	651.1	646.6	642.5	639.8	638.3	636.4
25°	694.2	677.3	659.2	645.2	631.2	625.1	622.2	619.9	618.0	615.7	615.3
27.5°	663.2	644.9	630.1	617.1	607.0	601.9	599.2	598.1	598.5	599.3	599.9
30°	640.0	623.2	611.1	599.9	590.6	585.9	585.4	585.4	587.3	587.7	588.7
32.5°	618.8	604.9	592.8	581.9	574.9	571.7	573.5	573.5	575.0	576.1	577.8
35°	587.7	575.6	566.2	557.0	550.9	552.2	553.2	554.1	556.4	559.3	561.2
37.5°	558.1	547.6	537.9	530.6	527.8	530.3	532.5	534.5	537.3	539.4	541.3
40°	536.8	528.9	519.6	513.0	514.0	515.4	517.3	519.6	521.9	523.3	525.2
42.5°	517.0	508.7	501.7	496.2	497.6	499.4	500.4	501.7	504.4	506.8	508.0
45°	486.9	480.4	473.9	470.6	471.5	472.4	473.3	474.7	477.1	478.9	479.5
47.5°	453.0	448.4	444.1	440.9	442.4	442.0	443.2	446.2	446.9	448.1	450.7
50°	431.3	427.1	422.0	421.1	421.1	421.1	421.5	425.3	425.3	427.1	429.0
52.5°	407.4	404.7	401.4	399.8	399.0	399.0	401.0	402.9	403.6	406.3	408.1
55°	372.0	369.3	366.5	365.1	364.1	365.1	368.8	369.7	372.0	373.4	374.9
57.5°	335.2	333.1	330.8	330.0	329.8	331.1	333.1	335.9	336.5	340.8	343.0
60°	310.9	307.6	305.8	305.8	304.9	309.1	308.1	312.8	313.7	316.5	319.8
62.5°	285.9	281.5	280.7	280.7	282.0	283.3	284.5	286.6	289.1	292.6	295.2
65°	245.6	243.3	246.5	246.0	245.0	247.9	247.9	250.2	253.0	256.3	261.4
67.5°	207.3	206.2	206.4	206.4	207.9	209.5	210.7	212.8	216.2	219.6	222.9
70°	181.6	183.0	180.7	182.5	184.0	184.4	185.3	188.2	191.9	194.2	198.0
72.5°	156.6	156.5	156.8	157.5	158.9	159.7	160.7	163.9	168.0	170.0	172.9
75°	120.5	119.9	121.4	121.4	123.7	124.7	125.6	127.0	130.7	133.5	135.8
77.5°	87.9	88.5	88.2	89.8	89.2	89.3	92.2	93.6	94.0	99.5	100.8
80°	66.3	67.2	67.7	68.1	68.7	67.7	71.0	72.3	72.3	75.6	77.9
82.5°	47.6	48.2	49.4	49.8	49.9	50.9	51.2	52.2	53.3	54.8	57.8
85°	23.8	25.2	25.7	25.2	25.7	24.7	26.1	26.6	27.1	27.1	27.1
87.5°	8.3	8.8	8.7	9.3	9.2	9.8	9.8	9.2	9.3	10.4	9.0
90°	3.9	5.0	6.2	7.3	8.5	9.6	10.0	10.3	10.7	11.1	11.3
92.5°	6.4	6.8	7.7	8.5	9.4	10.3	10.8	11.4	11.9	12.6	12.8
95°	9.8	8.5	9.5	10.4	11.4	12.4	13.0	13.6	14.3	14.9	15.2
97.5°	42.5	38.5	32.1	25.7	19.4	12.9	13.6	14.4	15.1	15.8	16.1
100°	74.8	68.8	54.9	41.0	27.1	13.2	13.9	14.6	15.3	16.1	16.5
102.5°	94.0	87.0	71.9	56.7	41.6	26.4	24.2	21.9	19.7	17.6	16.5
105°	123.3	119.8	111.7	103.8	95.8	87.7	72.0	56.2	40.5	24.7	16.9
107.5°	154.7	155.8	157.0	158.3	159.5	160.8	149.3	137.7	126.2	114.6	102.9
110°	175.9	176.7	177.7	178.7	179.7	180.7	177.7	174.8	171.8	168.9	161.1



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	196.2	197.0	198.0	198.9	199.9	200.9	200.9	201.0	201.0	201.1	199.7
115°	226.0	226.8	227.6	228.4	229.2	230.0	230.9	231.8	232.6	233.5	234.2
117.5°	256.0	256.5	256.9	257.3	257.8	258.2	258.9	259.6	260.3	261.0	261.4
120°	274.8	275.4	275.6	275.9	276.2	276.4	277.1	277.9	278.6	279.3	279.6
122.5°	292.8	293.4	293.7	294.0	294.4	294.7	295.2	295.7	296.2	296.7	296.9
125°	318.5	319.1	319.4	319.8	320.1	320.5	320.7	320.8	321.0	321.2	321.4
127.5°	343.2	343.8	344.2	344.6	345.1	345.5	345.8	346.1	346.3	346.6	346.7
130°	358.6	359.2	359.5	359.9	360.3	360.5	360.9	361.2	361.6	361.9	362.0
132.5°	373.4	373.8	374.2	374.4	374.7	375.0	375.3	375.7	376.0	376.4	376.5
135°	395.1	395.6	395.9	396.3	396.6	397.0	397.3	397.5	397.8	398.1	398.1
137.5°	414.9	415.4	415.6	415.8	416.0	416.2	416.6	417.1	417.4	417.9	418.0
140°	427.2	427.6	427.8	428.1	428.4	428.6	429.0	429.4	429.7	430.1	430.2
142.5°	439.1	439.4	439.7	440.0	440.2	440.5	440.8	441.1	441.4	441.7	441.7
145°	456.0	456.4	456.6	456.7	456.9	457.1	457.3	457.4	457.6	457.8	457.9
147.5°	470.7	471.1	471.3	471.4	471.6	471.8	472.0	472.2	472.3	472.5	472.3
150°	479.8	480.0	480.2	480.4	480.5	480.7	480.9	481.1	481.3	481.4	481.4
152.5°	487.9	488.0	488.1	488.2	488.3	488.5	488.7	489.1	489.4	489.7	489.6
155°	498.9	498.8	498.9	499.0	499.1	499.2	499.6	500.1	500.5	501.0	500.9
157.5°	509.0	508.9	508.8	508.7	508.6	508.5	509.1	509.6	510.1	510.7	510.6
160°	514.4	514.3	514.2	514.2	514.1	514.0	514.5	515.1	515.6	516.1	516.1
162.5°	519.3	519.2	519.1	519.0	518.9	518.8	519.4	520.0	520.7	521.2	521.3
165°	525.8	525.6	525.5	525.4	525.3	525.2	525.9	526.6	527.4	528.1	528.1
167.5°	530.6	530.4	530.4	530.4	530.4	530.4	531.1	531.8	532.4	533.2	533.2
170°	533.4	533.2	533.2	533.2	533.2	533.2	534.0	534.7	535.4	536.1	536.1
172.5°	535.0	534.8	534.9	535.0	535.1	535.1	535.8	536.5	537.3	538.0	538.0
175°	537.4	537.3	537.3	537.4	537.5	537.6	538.2	538.9	539.5	540.1	540.1
177.5°	538.4	538.3	538.4	538.4	538.5	538.6	539.1	539.8	540.3	540.9	540.8
180°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	921.3	921.0	923.5	921.7	923.5	921.0	921.3	923.9	924.7	925.1	925.1
5°	857.6	859.0	854.3	854.3	854.3	859.0	857.6	860.3	862.7	864.6	867.4
7.5°	800.8	798.7	798.9	796.4	798.9	798.7	800.8	803.1	806.0	810.1	814.0
10°	766.1	763.3	762.3	762.8	762.3	763.3	766.1	771.7	773.6	777.3	781.5
12.5°	737.3	736.7	730.6	730.7	730.6	736.7	737.3	738.8	742.9	750.7	755.7
15°	703.5	694.6	693.7	696.5	693.7	694.6	703.5	703.5	705.3	711.4	714.3
17.5°	669.6	664.9	665.2	663.8	665.2	664.9	669.6	670.4	671.8	676.8	680.6
20°	651.7	648.9	648.5	645.2	648.5	648.9	651.7	651.7	653.5	655.9	659.6
22.5°	635.3	634.4	634.6	631.0	634.6	634.4	635.3	636.4	638.3	639.8	642.5
25°	614.8	617.2	615.3	615.3	615.3	617.2	614.8	615.3	615.7	618.0	619.9
27.5°	601.0	600.9	599.9	599.9	599.9	600.9	601.0	599.9	599.3	598.5	598.1
30°	590.6	590.0	591.0	591.0	591.0	590.0	590.6	588.7	587.7	587.3	585.4
32.5°	580.1	580.8	580.9	581.3	580.9	580.8	580.1	577.8	576.1	575.0	573.5
35°	563.9	564.4	565.8	564.9	565.8	564.4	563.9	561.2	559.3	556.4	554.1
37.5°	542.1	544.2	543.8	544.5	543.8	544.2	542.1	541.3	539.4	537.3	534.5
40°	525.7	527.1	526.6	526.6	526.6	527.1	525.7	525.2	523.3	521.9	519.6
42.5°	508.8	509.9	508.6	507.9	508.6	509.9	508.8	508.0	506.8	504.4	501.7
45°	481.3	480.4	481.8	479.9	481.8	480.4	481.3	479.5	478.9	477.1	474.7
47.5°	450.5	451.4	451.8	453.2	451.8	451.4	450.5	450.7	448.1	446.9	446.2
50°	430.0	432.7	432.7	432.3	432.7	432.7	430.0	429.0	427.1	425.3	425.3
52.5°	409.7	411.1	413.0	412.9	413.0	411.1	409.7	408.1	406.3	403.6	402.9
55°	378.6	379.5	380.5	380.9	380.5	379.5	378.6	374.9	373.4	372.0	369.7
57.5°	346.3	345.9	348.1	348.8	348.1	345.9	346.3	343.0	340.8	336.5	335.9
60°	323.5	323.5	327.3	328.7	327.3	323.5	323.5	319.8	316.5	313.7	312.8
62.5°	299.3	300.8	304.4	302.5	304.4	300.8	299.3	295.2	292.6	289.1	286.6
65°	263.8	267.5	267.1	268.9	267.1	267.5	263.8	261.4	256.3	253.0	250.2
67.5°	226.7	229.0	232.4	232.6	232.4	229.0	226.7	222.9	219.6	216.2	212.8
70°	201.7	204.0	205.9	207.2	205.9	204.0	201.7	198.0	194.2	191.9	188.2
72.5°	177.4	178.6	183.1	181.1	183.1	178.6	177.4	172.9	170.0	168.0	163.9
75°	139.1	142.4	145.2	143.7	145.2	142.4	139.1	135.8	133.5	130.7	127.0
77.5°	102.9	106.1	107.5	106.3	107.5	106.1	102.9	100.8	99.5	94.0	93.6
80°	81.2	80.8	83.6	83.1	83.6	80.8	81.2	77.9	75.6	72.3	72.3
82.5°	59.6	59.1	60.4	60.7	60.4	59.1	59.6	57.8	54.8	53.3	52.2
85°	29.0	30.3	28.4	28.0	28.4	30.3	29.0	27.1	27.1	27.1	26.6
87.5°	9.0	9.1	8.7	8.4	8.7	9.1	9.0	9.0	10.4	9.3	9.2
90°	11.5	11.7	11.9	12.0	11.9	11.7	11.5	11.3	11.1	10.7	10.3
92.5°	13.0	13.1	13.2	13.3	13.2	13.1	13.0	12.8	12.6	11.9	11.4
95°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	14.9	14.3	13.6
97.5°	16.2	16.3	16.4	16.5	16.4	16.3	16.2	16.1	15.8	15.1	14.4
100°	16.6	16.7	16.8	16.9	16.8	16.7	16.6	16.5	16.1	15.3	14.6
102.5°	16.7	16.9	16.9	17.1	16.9	16.9	16.7	16.5	17.6	19.7	21.9
105°	17.1	17.3	17.5	17.7	17.5	17.3	17.1	16.9	24.7	40.5	56.2
107.5°	91.0	79.1	67.2	55.4	67.2	79.1	91.0	102.9	114.6	126.2	137.7
110°	148.4	135.6	122.9	110.2	122.9	135.6	148.4	161.1	168.9	171.8	174.8



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	197.1	194.4	191.7	189.0	191.7	194.4	197.1	199.7	201.1	201.0	201.0
115°	234.5	234.9	235.2	235.6	235.2	234.9	234.5	234.2	233.5	232.6	231.8
117.5°	261.4	261.5	261.6	261.7	261.6	261.5	261.4	261.4	261.0	260.3	259.6
120°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.3	278.6	277.9
122.5°	297.0	297.1	297.2	297.3	297.2	297.1	297.0	296.9	296.7	296.2	295.7
125°	321.6	321.7	321.9	322.1	321.9	321.7	321.6	321.4	321.2	321.0	320.8
127.5°	346.5	346.3	346.2	346.0	346.2	346.3	346.5	346.7	346.6	346.3	346.1
130°	361.9	361.7	361.5	361.3	361.5	361.7	361.9	362.0	361.9	361.6	361.2
132.5°	376.2	375.9	375.7	375.5	375.7	375.9	376.2	376.5	376.4	376.0	375.7
135°	397.8	397.5	397.3	397.0	397.3	397.5	397.8	398.1	398.1	397.8	397.5
137.5°	417.9	417.7	417.5	417.3	417.5	417.7	417.9	418.0	417.9	417.4	417.1
140°	430.0	429.8	429.6	429.4	429.6	429.8	430.0	430.2	430.1	429.7	429.4
142.5°	441.4	441.2	441.0	440.7	441.0	441.2	441.4	441.7	441.7	441.4	441.1
145°	457.9	457.9	457.9	457.9	457.9	457.9	457.9	457.9	457.8	457.6	457.4
147.5°	472.0	471.5	471.2	470.7	471.2	471.5	472.0	472.3	472.5	472.3	472.2
150°	481.2	480.9	480.6	480.4	480.6	480.9	481.2	481.4	481.4	481.3	481.1
152.5°	489.3	488.8	488.5	488.0	488.5	488.8	489.3	489.6	489.7	489.4	489.1
155°	500.3	499.8	499.3	498.8	499.3	499.8	500.3	500.9	501.0	500.5	500.1
157.5°	509.9	509.3	508.5	507.8	508.5	509.3	509.9	510.6	510.7	510.1	509.6
160°	515.5	514.9	514.2	513.6	514.2	514.9	515.5	516.1	516.1	515.6	515.1
162.5°	520.7	520.1	519.6	519.1	519.6	520.1	520.7	521.3	521.2	520.7	520.0
165°	527.4	526.9	526.3	525.7	526.3	526.9	527.4	528.1	528.1	527.4	526.6
167.5°	532.4	531.8	531.1	530.4	531.1	531.8	532.4	533.2	533.2	532.4	531.8
170°	535.4	534.7	534.0	533.2	534.0	534.7	535.4	536.1	536.1	535.4	534.7
172.5°	537.2	536.4	535.7	534.8	535.7	536.4	537.2	538.0	538.0	537.3	536.5
175°	539.4	538.7	538.0	537.3	538.0	538.7	539.4	540.1	540.1	539.5	538.9
177.5°	540.1	539.4	538.7	538.0	538.7	539.4	540.1	540.8	540.9	540.3	539.8
180°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	923.9	923.9	931.0	935.5	941.1	944.9	947.4	950.1	954.6	960.6	967.2
5°	871.1	873.0	883.2	893.5	903.3	911.7	918.7	927.1	937.4	950.0	964.0
7.5°	819.9	827.2	837.5	850.0	863.7	875.9	888.4	902.2	916.7	935.2	954.8
10°	787.1	795.0	807.6	823.5	837.9	852.4	867.8	882.8	901.0	922.9	948.2
12.5°	758.3	765.9	778.8	796.2	809.9	825.9	843.6	863.0	883.4	909.8	938.4
15°	718.5	727.3	743.2	751.6	772.6	791.8	808.1	836.1	862.2	889.3	922.5
17.5°	685.7	690.7	703.6	719.2	734.9	756.3	777.8	801.1	827.2	860.2	901.7
20°	663.3	667.5	681.5	697.9	714.7	734.3	753.5	776.8	806.2	841.2	886.0
22.5°	646.6	651.1	660.3	677.7	693.4	709.7	728.8	756.6	787.9	822.2	870.8
25°	622.2	625.1	631.2	645.2	659.2	677.3	694.2	720.3	752.5	792.6	841.2
27.5°	599.2	601.9	607.0	617.1	630.1	644.9	663.2	685.4	718.1	761.7	813.2
30°	585.4	585.9	590.6	599.9	611.1	623.2	640.0	665.2	696.1	740.4	794.5
32.5°	573.5	571.7	574.9	581.9	592.8	604.9	618.8	643.5	673.2	716.8	772.5
35°	553.2	552.2	550.9	557.0	566.2	575.6	587.7	606.5	640.0	680.6	739.0
37.5°	532.5	530.3	527.8	530.6	537.9	547.6	558.1	574.8	603.7	648.5	704.3
40°	517.3	515.4	514.0	513.0	519.6	528.9	536.8	552.7	579.8	622.2	677.3
42.5°	500.4	499.4	497.6	496.2	501.7	508.7	517.0	531.1	558.1	598.0	650.1
45°	473.3	472.4	471.5	470.6	473.9	480.4	486.9	497.1	520.5	559.3	606.5
47.5°	443.2	442.0	442.4	440.9	444.1	448.4	453.0	464.0	486.4	517.7	552.1
50°	421.5	421.1	421.1	421.1	422.0	427.1	431.3	439.8	460.3	491.6	516.3
52.5°	401.0	399.0	399.0	399.8	401.4	404.7	407.4	416.6	434.5	460.2	482.7
55°	368.8	365.1	364.1	365.1	366.5	369.3	372.0	379.5	394.9	414.1	427.1
57.5°	333.1	331.1	329.8	330.0	330.8	333.1	335.2	343.3	355.4	365.4	373.8
60°	308.1	309.1	304.9	305.8	305.8	307.6	310.9	316.0	326.3	333.3	341.7
62.5°	284.5	283.3	282.0	280.7	280.7	281.5	285.9	289.9	298.6	302.3	308.9
65°	247.9	247.9	245.0	246.0	246.5	243.3	245.6	250.2	255.8	257.3	263.3
67.5°	210.7	209.5	207.9	206.4	206.4	206.2	207.3	209.7	213.9	214.4	219.0
70°	185.3	184.4	184.0	182.5	180.7	183.0	181.6	184.0	186.3	186.7	189.5
72.5°	160.7	159.7	158.9	157.5	156.8	156.5	156.6	159.3	160.9	160.2	163.4
75°	125.6	124.7	123.7	121.4	121.4	119.9	120.5	122.3	124.2	122.8	125.6
77.5°	92.2	89.3	89.2	89.8	88.2	88.5	87.9	87.7	88.5	88.6	91.1
80°	71.0	67.7	68.7	68.1	67.7	67.2	66.3	66.8	67.2	67.7	69.1
82.5°	51.2	50.9	49.9	49.8	49.4	48.2	47.6	48.4	49.0	48.7	49.7
85°	26.1	24.7	25.7	25.2	25.7	25.2	23.8	23.8	24.7	24.3	25.2
87.5°	9.8	9.8	9.2	9.3	8.7	8.8	8.3	8.5	8.6	8.5	9.0
90°	10.0	9.6	8.5	7.3	6.2	5.0	3.9	3.0	2.1	1.2	0.4
92.5°	10.8	10.3	9.4	8.5	7.7	6.8	6.4	6.7	7.0	7.2	7.5
95°	13.0	12.4	11.4	10.4	9.5	8.5	9.8	13.5	17.1	20.8	24.4
97.5°	13.6	12.9	19.4	25.7	32.1	38.5	42.5	44.2	45.8	47.4	49.1
100°	13.9	13.2	27.1	41.0	54.9	68.8	74.8	73.0	71.2	69.5	67.7
102.5°	24.2	26.4	41.6	56.7	71.9	87.0	94.0	92.7	91.4	90.2	88.8
105°	72.0	87.7	95.8	103.8	111.7	119.8	123.3	122.3	121.4	120.4	119.4
107.5°	149.3	160.8	159.5	158.3	157.0	155.8	154.7	153.9	153.2	152.4	151.6
110°	177.7	180.7	179.7	178.7	177.7	176.7	175.9	175.2	174.5	173.8	173.1



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	200.9	200.9	199.9	198.9	198.0	197.0	196.2	195.5	194.8	194.2	193.6
115°	230.9	230.0	229.2	228.4	227.6	226.8	226.0	225.5	225.0	224.4	223.9
117.5°	258.9	258.2	257.8	257.3	256.9	256.5	256.0	255.3	254.7	254.0	253.3
120°	277.1	276.4	276.2	275.9	275.6	275.4	274.8	274.0	273.2	272.4	271.6
122.5°	295.2	294.7	294.4	294.0	293.7	293.4	292.8	292.2	291.5	290.9	290.3
125°	320.7	320.5	320.1	319.8	319.4	319.1	318.5	317.8	317.1	316.4	315.7
127.5°	345.8	345.5	345.1	344.6	344.2	343.8	343.2	342.5	341.8	341.1	340.4
130°	360.9	360.5	360.3	359.9	359.5	359.2	358.6	357.9	357.2	356.5	355.8
132.5°	375.3	375.0	374.7	374.4	374.2	373.8	373.4	372.6	371.9	371.2	370.5
135°	397.3	397.0	396.6	396.3	395.9	395.6	395.1	394.6	394.0	393.5	393.0
137.5°	416.6	416.2	416.0	415.8	415.6	415.4	414.9	414.3	413.6	413.0	412.2
140°	429.0	428.6	428.4	428.1	427.8	427.6	427.2	426.7	426.1	425.6	425.1
142.5°	440.8	440.5	440.2	440.0	439.7	439.4	439.1	438.5	438.0	437.5	436.9
145°	457.3	457.1	456.9	456.7	456.6	456.4	456.0	455.4	454.8	454.1	453.5
147.5°	472.0	471.8	471.6	471.4	471.3	471.1	470.7	470.4	469.9	469.6	469.1
150°	480.9	480.7	480.5	480.4	480.2	480.0	479.8	479.6	479.3	479.0	478.8
152.5°	488.7	488.5	488.3	488.2	488.1	488.0	487.9	487.8	487.7	487.5	487.4
155°	499.6	499.2	499.1	499.0	498.9	498.8	498.9	499.1	499.2	499.4	499.5
157.5°	509.1	508.5	508.6	508.7	508.8	508.9	509.0	509.0	509.0	509.0	509.1
160°	514.5	514.0	514.1	514.2	514.2	514.3	514.4	514.5	514.6	514.7	514.8
162.5°	519.4	518.8	518.9	519.0	519.1	519.2	519.3	519.6	519.8	520.0	520.2
165°	525.9	525.2	525.3	525.4	525.5	525.6	525.8	526.0	526.3	526.6	526.8
167.5°	531.1	530.4	530.4	530.4	530.4	530.4	530.6	530.9	531.3	531.6	532.0
170°	534.0	533.2	533.2	533.2	533.2	533.2	533.4	533.8	534.1	534.5	534.8
172.5°	535.8	535.1	535.1	535.0	534.9	534.8	535.0	535.5	535.9	536.4	536.7
175°	538.2	537.6	537.5	537.4	537.3	537.3	537.4	537.9	538.3	538.8	539.2
177.5°	539.1	538.6	538.5	538.4	538.4	538.3	538.4	538.8	539.1	539.5	539.8
180°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	969.5	971.3	977.8	982.2	987.4	990.4	993.4	995.7	998.6	999.3	1010.2
5°	973.8	983.1	999.5	1011.6	1026.5	1042.9	1054.1	1059.3	1072.7	1084.0	1106.3
7.5°	972.6	992.5	1017.1	1042.7	1070.1	1095.6	1117.6	1143.7	1162.3	1190.3	1217.7
10°	971.4	998.1	1029.8	1062.5	1100.8	1136.2	1168.0	1203.5	1232.9	1271.7	1304.8
12.5°	968.1	1000.3	1044.4	1083.1	1129.5	1178.5	1225.5	1271.0	1297.1	1361.6	1392.1
15°	959.8	998.1	1053.2	1112.0	1175.9	1233.9	1293.6	1341.2	1418.2	1474.7	1510.6
17.5°	944.0	997.6	1062.8	1133.8	1211.6	1287.9	1355.6	1427.8	1509.5	1577.9	1650.7
20°	936.5	995.2	1068.1	1146.6	1227.3	1313.7	1390.7	1477.5	1566.6	1633.9	1727.2
22.5°	922.7	989.3	1067.7	1155.1	1241.4	1330.8	1420.9	1508.5	1611.5	1704.1	1793.0
25°	900.0	974.7	1056.0	1153.5	1254.8	1344.4	1452.3	1568.5	1675.9	1794.9	1883.6
27.5°	876.3	956.1	1037.5	1128.2	1237.2	1343.5	1479.2	1610.5	1741.9	1844.6	1910.2
30°	858.0	935.5	1019.6	1111.1	1218.9	1345.4	1497.1	1640.4	1768.4	1856.5	1893.5
32.5°	838.2	916.9	991.1	1087.2	1202.1	1344.3	1508.3	1658.0	1769.9	1828.5	1821.4
35°	807.2	873.0	945.3	1037.8	1173.1	1336.1	1514.8	1659.6	1728.2	1715.6	1620.3
37.5°	762.3	817.7	888.9	990.2	1139.5	1318.8	1501.8	1610.3	1605.9	1503.2	1365.3
40°	734.3	781.5	850.1	956.5	1113.4	1307.6	1481.2	1551.8	1492.0	1348.6	1183.4
42.5°	697.8	741.1	809.8	919.2	1084.6	1284.8	1442.0	1462.5	1345.6	1180.6	1029.1
45°	641.0	679.2	750.2	863.2	1041.5	1235.2	1346.3	1296.4	1139.1	968.7	853.4
47.5°	580.0	619.7	688.0	804.1	979.1	1160.7	1213.5	1107.3	945.7	807.6	701.8
50°	541.5	579.8	646.6	763.8	936.9	1099.4	1121.3	984.1	835.6	714.3	627.4
52.5°	502.7	538.7	604.3	721.9	887.6	1028.4	1014.9	875.0	738.5	635.1	566.9
55°	444.9	478.9	541.5	651.7	802.5	914.0	865.0	731.6	618.6	538.2	486.4
57.5°	393.2	425.9	479.8	579.3	710.4	787.1	724.7	612.2	522.4	460.6	422.0
60°	358.0	387.0	438.4	530.7	644.7	703.0	641.4	542.0	466.4	416.9	382.4
62.5°	324.9	350.0	397.6	481.5	580.4	629.5	567.1	483.0	418.6	374.7	345.4
65°	274.5	297.4	339.4	404.7	486.0	518.6	464.9	396.8	346.9	314.1	294.5
67.5°	228.5	248.0	284.3	335.7	395.5	419.3	378.4	325.7	288.0	261.8	246.2
70°	198.0	214.7	243.3	287.6	341.7	359.9	321.6	278.2	250.7	229.7	215.2
72.5°	172.2	184.5	210.4	244.6	289.8	304.3	277.6	239.4	213.7	198.0	186.5
75°	131.2	141.4	158.3	185.8	217.0	225.5	205.4	181.6	164.3	153.1	144.3
77.5°	94.6	102.1	114.3	131.3	152.9	160.5	147.8	131.9	119.3	111.7	106.8
80°	71.4	77.5	87.7	101.7	114.9	119.0	111.6	99.4	90.6	86.4	82.1
82.5°	52.8	56.2	62.3	71.9	80.9	85.8	79.5	72.1	67.4	63.6	62.0
85°	26.6	28.4	31.3	35.0	40.6	42.4	40.1	38.3	35.5	33.2	33.2
87.5°	10.0	10.2	11.4	12.4	14.1	15.4	15.2	14.8	14.6	14.4	14.0
90°	1.2	2.1	3.0	3.9	5.0	6.2	7.3	8.5	9.6	10.0	10.3
92.5°	7.2	7.0	6.7	6.4	6.8	7.7	8.5	9.4	10.3	10.8	11.4
95°	20.8	17.1	13.5	9.8	8.5	9.5	10.4	11.4	12.4	13.0	13.6
97.5°	47.4	45.8	44.2	42.5	38.5	32.1	25.7	19.4	12.9	13.6	14.4
100°	69.5	71.2	73.0	74.8	68.8	54.9	41.0	27.1	13.2	13.9	14.6
102.5°	90.2	91.4	92.7	94.0	87.0	71.9	56.7	41.6	26.4	24.2	21.9
105°	120.4	121.4	122.3	123.3	119.8	111.7	103.8	95.8	87.7	72.0	56.2
107.5°	152.4	153.2	153.9	154.7	155.8	157.0	158.3	159.5	160.8	149.3	137.7
110°	173.8	174.5	175.2	175.9	176.7	177.7	178.7	179.7	180.7	177.7	174.8



TEST NUMBER: P332150-940

CATALOG NUMBER: S123DIW-S775D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	194.2	194.8	195.5	196.2	197.0	198.0	198.9	199.9	200.9	200.9	201.0
115°	224.4	225.0	225.5	226.0	226.8	227.6	228.4	229.2	230.0	230.9	231.8
117.5°	254.0	254.7	255.3	256.0	256.5	256.9	257.3	257.8	258.2	258.9	259.6
120°	272.4	273.2	274.0	274.8	275.4	275.6	275.9	276.2	276.4	277.1	277.9
122.5°	290.9	291.5	292.2	292.8	293.4	293.7	294.0	294.4	294.7	295.2	295.7
125°	316.4	317.1	317.8	318.5	319.1	319.4	319.8	320.1	320.5	320.7	320.8
127.5°	341.1	341.8	342.5	343.2	343.8	344.2	344.6	345.1	345.5	345.8	346.1
130°	356.5	357.2	357.9	358.6	359.2	359.5	359.9	360.3	360.5	360.9	361.2
132.5°	371.2	371.9	372.6	373.4	373.8	374.2	374.4	374.7	375.0	375.3	375.7
135°	393.5	394.0	394.6	395.1	395.6	395.9	396.3	396.6	397.0	397.3	397.5
137.5°	413.0	413.6	414.3	414.9	415.4	415.6	415.8	416.0	416.2	416.6	417.1
140°	425.6	426.1	426.7	427.2	427.6	427.8	428.1	428.4	428.6	429.0	429.4
142.5°	437.5	438.0	438.5	439.1	439.4	439.7	440.0	440.2	440.5	440.8	441.1
145°	454.1	454.8	455.4	456.0	456.4	456.6	456.7	456.9	457.1	457.3	457.4
147.5°	469.6	469.9	470.4	470.7	471.1	471.3	471.4	471.6	471.8	472.0	472.2
150°	479.0	479.3	479.6	479.8	480.0	480.2	480.4	480.5	480.7	480.9	481.1
152.5°	487.5	487.7	487.8	487.9	488.0	488.1	488.2	488.3	488.5	488.7	489.1
155°	499.4	499.2	499.1	498.9	498.8	498.9	499.0	499.1	499.2	499.6	500.1
157.5°	509.0	509.0	509.0	509.0	508.9	508.8	508.7	508.6	508.5	509.1	509.6
160°	514.7	514.6	514.5	514.4	514.3	514.2	514.2	514.1	514.0	514.5	515.1
162.5°	520.0	519.8	519.6	519.3	519.2	519.1	519.0	518.9	518.8	519.4	520.0
165°	526.6	526.3	526.0	525.8	525.6	525.5	525.4	525.3	525.2	525.9	526.6
167.5°	531.6	531.3	530.9	530.6	530.4	530.4	530.4	530.4	530.4	531.1	531.8
170°	534.5	534.1	533.8	533.4	533.2	533.2	533.2	533.2	533.2	534.0	534.7
172.5°	536.4	535.9	535.5	535.0	534.8	534.9	535.0	535.1	535.1	535.8	536.5
175°	538.8	538.3	537.9	537.4	537.3	537.3	537.4	537.5	537.6	538.2	538.9
177.5°	539.5	539.1	538.8	538.4	538.3	538.4	538.4	538.5	538.6	539.1	539.8
180°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1014.0	1014.3	1018.4	1021.5	1019.9	1021.8	1022.5
5°	1107.8	1124.6	1133.5	1140.0	1140.5	1140.9	1144.7
7.5°	1240.8	1258.8	1272.0	1292.0	1298.0	1304.8	1302.8
10°	1337.9	1364.5	1387.4	1399.5	1412.6	1431.7	1416.4
12.5°	1428.7	1475.9	1510.6	1529.6	1541.9	1545.7	1538.1
15°	1578.3	1639.9	1673.1	1672.1	1714.2	1732.4	1703.9
17.5°	1715.6	1772.5	1818.0	1841.4	1876.3	1884.1	1880.5
20°	1799.7	1861.7	1897.2	1937.3	1955.5	1971.8	1974.7
22.5°	1872.1	1927.8	1965.9	1999.3	2014.6	2022.3	2026.9
25°	1946.7	1990.6	2013.4	2025.1	2029.3	2028.4	2022.3
27.5°	1941.5	1944.9	1919.7	1895.0	1872.9	1847.9	1839.3
30°	1891.1	1851.9	1781.9	1742.2	1683.8	1637.6	1656.3
32.5°	1758.5	1680.5	1601.9	1515.1	1443.3	1422.9	1402.3
35°	1500.8	1363.6	1283.4	1189.9	1152.6	1115.3	1089.6
37.5°	1214.2	1108.0	1012.8	951.7	914.4	890.7	878.0
40°	1049.9	954.2	875.7	826.3	797.8	771.2	767.5
42.5°	918.8	829.8	770.8	731.4	704.1	692.8	684.6
45°	752.5	690.5	650.8	622.8	604.6	597.5	588.2
47.5°	636.9	593.1	563.3	544.2	530.5	525.3	524.5
50°	572.3	535.9	514.0	499.0	488.3	486.4	478.9
52.5°	523.8	492.2	475.1	462.1	454.3	449.1	446.8
55°	454.7	433.6	418.3	410.8	404.7	399.6	399.6
57.5°	397.8	380.3	370.1	363.7	361.9	358.2	355.9
60°	362.7	347.8	339.8	334.2	330.6	331.0	326.8
62.5°	328.3	318.7	311.1	305.5	301.0	301.1	301.4
65°	279.6	272.2	266.5	264.7	261.9	258.6	259.6
67.5°	236.9	230.0	225.6	222.4	221.5	219.7	222.4
70°	206.3	201.2	198.0	195.1	194.2	194.7	197.0
72.5°	178.3	174.7	172.5	171.2	169.2	169.2	170.9
75°	140.1	137.2	135.4	133.9	133.5	133.5	133.5
77.5°	102.9	102.3	101.4	99.3	99.4	100.0	100.0
80°	81.2	79.8	79.4	78.5	77.0	76.1	78.5
82.5°	60.7	59.3	58.9	58.7	56.4	56.3	58.2
85°	32.6	31.3	31.7	31.3	31.3	30.9	30.9
87.5°	13.7	13.4	13.1	13.5	13.2	12.8	13.6
90°	10.7	11.1	11.3	11.5	11.7	11.9	12.0
92.5°	11.9	12.6	12.8	13.0	13.1	13.2	13.3
95°	14.3	14.9	15.2	15.2	15.2	15.2	15.2
97.5°	15.1	15.8	16.1	16.2	16.3	16.4	16.5
100°	15.3	16.1	16.5	16.6	16.7	16.8	16.9
102.5°	19.7	17.6	16.5	16.7	16.9	16.9	17.1
105°	40.5	24.7	16.9	17.1	17.3	17.5	17.7
107.5°	126.2	114.6	102.9	91.0	79.1	67.2	55.4
110°	171.8	168.9	161.1	148.4	135.6	122.9	110.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	201.0	201.1	199.7	197.1	194.4	191.7	189.0
115°	232.6	233.5	234.2	234.5	234.9	235.2	235.6
117.5°	260.3	261.0	261.4	261.4	261.5	261.6	261.7
120°	278.6	279.3	279.6	279.6	279.6	279.6	279.6
122.5°	296.2	296.7	296.9	297.0	297.1	297.2	297.3
125°	321.0	321.2	321.4	321.6	321.7	321.9	322.1
127.5°	346.3	346.6	346.7	346.5	346.3	346.2	346.0
130°	361.6	361.9	362.0	361.9	361.7	361.5	361.3
132.5°	376.0	376.4	376.5	376.2	375.9	375.7	375.5
135°	397.8	398.1	398.1	397.8	397.5	397.3	397.0
137.5°	417.4	417.9	418.0	417.9	417.7	417.5	417.3
140°	429.7	430.1	430.2	430.0	429.8	429.6	429.4
142.5°	441.4	441.7	441.7	441.4	441.2	441.0	440.7
145°	457.6	457.8	457.9	457.9	457.9	457.9	457.9
147.5°	472.3	472.5	472.3	472.0	471.5	471.2	470.7
150°	481.3	481.4	481.4	481.2	480.9	480.6	480.4
152.5°	489.4	489.7	489.6	489.3	488.8	488.5	488.0
155°	500.5	501.0	500.9	500.3	499.8	499.3	498.8
157.5°	510.1	510.7	510.6	509.9	509.3	508.5	507.8
160°	515.6	516.1	516.1	515.5	514.9	514.2	513.6
162.5°	520.7	521.2	521.3	520.7	520.1	519.6	519.1
165°	527.4	528.1	528.1	527.4	526.9	526.3	525.7
167.5°	532.4	533.2	533.2	532.4	531.8	531.1	530.4
170°	535.4	536.1	536.1	535.4	534.7	534.0	533.2
172.5°	537.3	538.0	538.0	537.2	536.4	535.7	534.8
175°	539.5	540.1	540.1	539.4	538.7	538.0	537.3
177.5°	540.3	540.9	540.8	540.1	539.4	538.7	538.0
180°	539.2	539.2	539.2	539.2	539.2	539.2	539.2

(END OF REPORT)