

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: P332775-940

Luminaire Tested: **S124DIW-S795D470U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332775-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIW-S795D470U940-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4831.5 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Direct

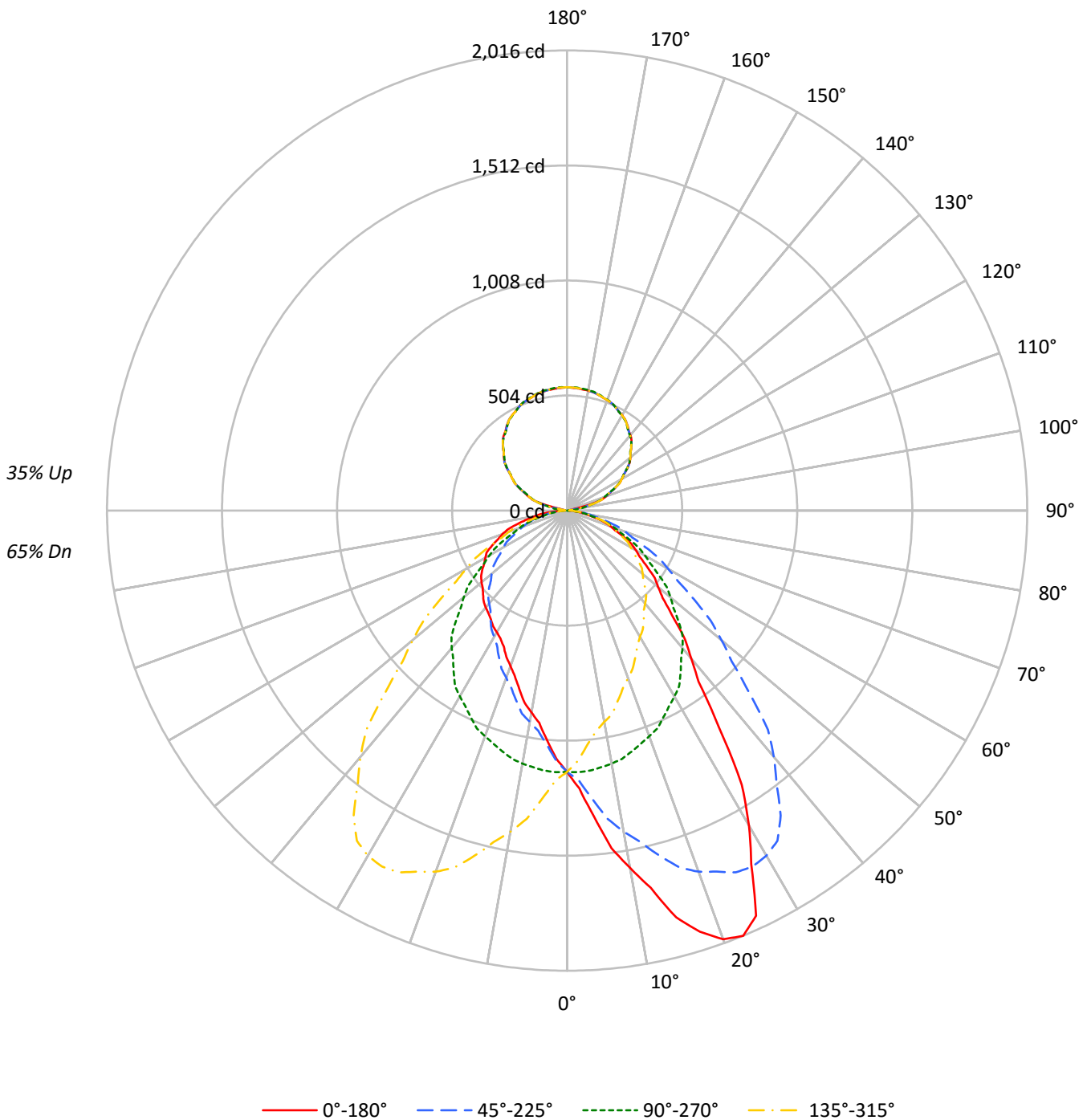
Input Watts (W): 37.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65
1	102	97	93	90	95	92	88	85	81	79	76	71	70	68	63	61	60	56
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	55	53	51	47
3	85	75	68	62	79	71	65	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	51	56	51	46	50	46	42	44	41	38	35
5	72	60	52	46	67	57	49	44	51	45	40	45	40	37	40	36	33	30
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	33	29	27
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	37	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9243	9243	9243	9243
5°	10884	9266	8178	9266
10°	13032	9225	7363	9225
15°	15419	9132	6761	9132
20°	17169	9037	6225	9037
25°	17446	8897	5855	8897
30°	14845	8763	5738	8763
35°	11413	8544	5740	8544
40°	8897	8286	5848	8286
45°	7418	7900	5946	7900
50°	6528	7428	6148	7428
55°	5980	6861	6394	6861
60°	5604	6355	6692	6355
65°	5217	5788	6940	5788
70°	4770	5228	7098	5228
75°	4261	4601	7012	4601
80°	3575	3770	6792	3770
85°	2631	2723	6502	2723



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.5	2.3
10°-20°	343.8	7.1
20°-30°	545.1	11.3
30°-40°	606.7	12.6
40°-50°	552.2	11.4
50°-60°	451.3	9.3
60°-70°	322.2	6.7
70°-80°	177.4	3.7
80°-90°	50.0	1.0
90°-100°	18.5	0.4
100°-110°	117.8	2.4
110°-120°	225.4	4.7
120°-130°	286.1	5.9
130°-140°	306.1	6.3
140°-150°	286.3	5.9
150°-160°	230.9	4.8
160°-170°	148.9	3.1
170°-180°	51.3	1.1
0°-30°	1000.4	20.7
0°-40°	1607.1	33.3
0°-60°	2610.6	54.0
0°-90°	3160.2	65.4
90°-120°	361.7	7.5
90°-150°	1240.3	25.7
90°-180°	1671.0	34.6
0°-180°	4831.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1145	1145	1145	1145	1145	
5°	1343	1143	1009	1143	1343	137
15°	1845	1093	809	1093	1845	521
25°	1959	999	657	999	1959	863
35°	1158	867	582	867	1158	735
45°	650	692	521	692	650	512
55°	425	488	454	488	425	384
65°	273	303	363	303	273	270
75°	137	148	225	148	137	145
85°	28	29	70	29	28	35
90°	12	1	12	1	12	6
95°	12	22	12	22	12	9
105°	115	122	115	122	115	100
115°	229	227	229	227	229	226
125°	322	319	322	319	322	286
135°	399	396	399	396	399	307
145°	459	457	459	457	459	287
155°	500	501	500	501	500	231
165°	526	528	526	528	526	149
175°	537	540	537	540	537	51
180°	540	540	540	540	540	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1218.4	1218.1	1214.2	1213.5	1210.9	1207.5	1206.7	1200.6	1188.5	1182.8	1181.2
5°	1343.1	1352.5	1340.2	1337.8	1336.4	1320.8	1312.7	1303.2	1281.4	1268.6	1258.6
7.5°	1491.8	1492.9	1487.6	1483.2	1471.1	1457.4	1437.0	1415.1	1389.2	1362.1	1341.8
10°	1589.7	1593.5	1587.3	1586.4	1562.2	1547.0	1516.6	1491.0	1461.6	1428.9	1399.0
12.5°	1692.9	1687.6	1684.4	1664.1	1659.7	1632.0	1596.7	1570.3	1525.0	1487.4	1447.6
15°	1844.9	1834.4	1827.7	1799.7	1786.0	1747.6	1710.1	1681.2	1621.9	1565.5	1522.8
17.5°	1933.9	1944.4	1929.0	1917.5	1882.0	1855.0	1816.8	1756.0	1709.7	1639.6	1585.7
20°	1998.5	1999.4	1990.9	1979.1	1951.1	1916.9	1875.2	1808.7	1753.3	1683.6	1609.6
22.5°	2015.9	2016.2	2012.5	2001.4	1980.2	1952.6	1910.5	1855.0	1787.8	1712.0	1638.1
25°	1958.6	1956.8	1961.1	1973.4	1965.2	1956.8	1932.5	1891.3	1828.7	1748.6	1668.8
27.5°	1745.8	1758.9	1783.0	1813.3	1842.5	1864.8	1871.1	1862.6	1823.8	1757.9	1674.5
30°	1592.5	1608.6	1626.7	1657.0	1715.8	1749.5	1786.5	1814.5	1798.8	1746.1	1668.4
32.5°	1424.1	1428.1	1454.8	1489.3	1543.2	1608.0	1666.6	1723.4	1742.3	1714.7	1649.8
35°	1158.1	1164.8	1193.6	1227.8	1293.8	1373.0	1461.2	1539.9	1604.8	1630.9	1597.8
37.5°	945.0	964.1	984.5	1021.3	1079.3	1150.6	1242.2	1344.1	1440.9	1505.8	1516.8
40°	844.2	856.0	870.8	898.7	948.0	1018.2	1096.9	1213.6	1316.5	1409.4	1439.8
42.5°	764.5	771.4	780.4	805.7	843.3	913.1	985.0	1087.6	1191.0	1302.1	1352.9
45°	649.7	656.8	672.0	686.7	715.2	763.6	830.4	914.8	1018.7	1125.9	1219.8
47.5°	566.9	571.4	580.4	596.1	620.3	652.2	706.6	777.1	873.3	977.4	1077.5
50°	519.8	523.5	530.7	544.9	563.4	591.8	636.4	702.4	777.8	882.6	980.7
52.5°	482.6	484.1	489.4	499.0	513.7	537.6	574.2	628.7	698.8	792.3	890.1
55°	424.9	426.9	431.6	438.7	451.5	466.6	494.6	535.4	596.6	677.7	762.6
57.5°	377.5	378.8	382.8	385.6	396.1	408.4	430.0	459.1	505.4	574.2	650.0
60°	347.1	346.2	351.0	353.3	360.4	370.9	387.4	415.4	455.8	511.2	580.9
62.5°	317.5	316.2	320.2	323.3	327.4	336.4	349.9	371.8	404.6	454.7	515.0
65°	273.1	271.3	273.7	277.4	281.2	286.0	296.0	315.4	341.4	377.5	423.5
67.5°	228.5	230.6	231.0	232.8	235.1	241.5	248.3	262.1	280.4	309.3	348.3
70°	202.1	202.5	204.4	204.4	205.8	211.5	217.2	225.2	243.3	269.8	301.6
72.5°	175.5	177.5	176.7	178.3	179.2	183.1	187.3	194.9	210.3	230.0	256.8
75°	136.6	138.0	138.0	138.5	139.9	141.3	144.6	150.3	161.2	175.9	194.5
77.5°	99.6	99.8	100.4	102.2	102.2	104.4	106.9	111.5	116.8	126.9	138.2
80°	76.9	77.8	77.3	78.3	78.3	80.2	81.1	86.8	89.2	95.8	104.8
82.5°	56.4	57.2	57.2	58.5	59.3	59.7	61.0	63.2	65.6	71.5	75.2
85°	28.4	29.4	28.4	29.4	30.9	31.3	32.7	33.2	35.1	36.6	39.9
87.5°	10.8	11.9	11.9	12.2	12.9	13.2	13.5	13.0	14.4	14.7	16.1
90°	12.1	11.9	11.8	11.6	11.4	11.1	10.5	10.0	9.5	8.9	8.2
92.5°	11.1	11.1	11.1	11.1	11.0	10.7	10.2	9.6	9.1	8.6	7.8
95°	11.7	11.6	11.5	11.4	11.3	11.1	10.5	10.0	9.5	8.9	8.8
97.5°	11.3	11.2	11.1	11.1	11.0	10.9	10.8	10.8	10.7	10.7	20.7
100°	11.3	11.2	11.1	11.1	11.0	11.7	13.2	14.7	16.2	17.7	30.1
102.5°	11.7	11.6	11.6	11.6	11.6	19.8	36.3	52.7	69.2	85.7	87.3
105°	115.2	118.4	121.6	124.8	128.1	129.3	128.5	127.7	126.9	126.1	125.6
107.5°	160.5	160.2	159.8	159.5	159.2	158.8	158.4	158.0	157.6	157.2	156.6
110°	180.2	179.9	179.7	179.4	179.1	179.0	178.8	178.6	178.4	178.3	177.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	199.9	199.7	199.3	198.9	198.6	198.4	198.5	198.5	198.6	198.6	198.3
115°	228.7	228.7	228.7	228.7	228.7	228.6	228.5	228.3	228.1	227.9	228.0
117.5°	258.0	258.1	258.1	258.1	258.2	258.2	258.2	258.2	258.2	258.3	258.2
120°	276.4	276.6	276.8	277.0	277.1	277.1	277.0	276.8	276.6	276.4	276.5
122.5°	294.5	294.7	294.9	295.1	295.2	295.2	295.2	295.1	295.0	294.9	294.7
125°	321.6	321.6	321.5	321.4	321.3	321.1	320.8	320.6	320.3	320.0	320.2
127.5°	345.5	345.6	345.6	345.7	345.8	345.9	345.9	346.0	346.1	346.1	345.7
130°	361.7	361.7	361.7	361.7	361.7	361.7	361.6	361.5	361.4	361.3	361.1
132.5°	376.6	376.7	376.7	376.7	376.8	376.8	376.7	376.7	376.6	376.5	376.1
135°	398.9	398.7	398.5	398.3	398.1	398.0	397.8	397.6	397.4	397.3	396.9
137.5°	417.9	418.0	418.0	418.1	418.1	418.1	417.9	417.7	417.5	417.3	416.9
140°	431.2	431.1	431.1	431.0	430.9	430.7	430.4	430.2	429.9	429.6	429.4
142.5°	442.2	442.2	442.2	442.1	442.1	442.0	441.8	441.6	441.4	441.2	441.1
145°	459.1	458.9	458.7	458.5	458.3	458.3	458.2	458.1	458.0	457.9	457.9
147.5°	473.1	473.0	472.9	472.8	472.7	472.6	472.5	472.5	472.4	472.3	472.4
150°	482.1	482.1	482.0	481.9	481.8	481.7	481.7	481.7	481.7	481.7	481.8
152.5°	489.9	489.9	490.0	490.1	490.1	490.1	489.9	489.7	489.6	489.5	489.6
155°	500.3	500.6	500.9	501.1	501.4	501.3	501.0	500.6	500.2	499.9	500.2
157.5°	509.1	509.5	510.0	510.4	510.9	510.9	510.4	510.0	509.5	509.1	509.3
160°	514.9	515.4	515.9	516.5	517.0	517.0	516.5	515.9	515.4	514.9	515.0
162.5°	519.4	520.0	520.6	521.2	521.8	521.8	521.3	520.8	520.2	519.7	519.8
165°	525.8	526.6	527.4	528.2	529.0	529.1	528.3	527.6	526.9	526.2	526.2
167.5°	530.6	531.5	532.4	533.2	534.1	534.2	533.4	532.6	531.8	531.0	531.1
170°	533.4	534.3	535.2	536.1	537.1	537.2	536.4	535.7	534.9	534.2	534.1
172.5°	535.0	536.0	537.0	538.0	539.0	539.0	538.3	537.6	536.9	536.2	536.1
175°	537.1	538.1	539.2	540.3	541.4	541.5	540.7	539.9	539.1	538.3	538.2
177.5°	538.4	539.2	540.1	541.0	541.8	542.0	541.4	540.8	540.2	539.7	539.5
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1181.6	1176.3	1172.5	1169.5	1161.2	1156.2	1152.4	1147.1	1141.0	1134.6	1126.6
5°	1248.7	1232.5	1220.8	1202.7	1185.6	1171.4	1156.7	1143.4	1127.3	1109.7	1096.9
7.5°	1319.2	1295.2	1264.4	1237.8	1207.8	1181.7	1158.4	1134.5	1109.6	1085.6	1063.5
10°	1364.0	1333.1	1299.0	1258.6	1220.8	1187.0	1155.7	1125.4	1096.0	1066.6	1041.4
12.5°	1412.1	1373.7	1323.2	1276.1	1233.6	1188.6	1150.8	1113.7	1078.2	1047.2	1017.9
15°	1476.8	1421.3	1363.0	1299.9	1243.9	1191.3	1139.6	1092.7	1052.8	1012.0	983.6
17.5°	1516.5	1447.9	1381.2	1315.3	1247.6	1181.2	1125.4	1071.2	1021.4	980.8	944.9
20°	1542.7	1474.4	1391.4	1325.5	1244.9	1176.6	1112.1	1051.9	999.7	956.5	919.5
22.5°	1565.5	1486.6	1403.6	1316.8	1236.5	1164.1	1093.5	1032.9	979.6	934.2	898.7
25°	1577.8	1487.2	1397.1	1310.8	1219.8	1133.9	1069.9	998.8	941.8	893.9	856.0
27.5°	1579.1	1482.3	1380.4	1284.4	1190.4	1110.5	1029.7	966.2	907.0	856.4	819.9
30°	1574.9	1474.0	1364.4	1260.5	1166.2	1079.4	1009.2	940.0	879.8	829.5	791.5
32.5°	1561.7	1456.5	1343.9	1233.9	1136.2	1051.3	978.8	913.0	854.3	804.8	765.0
35°	1523.3	1419.4	1299.4	1185.2	1085.0	999.3	933.8	866.9	808.2	761.2	722.7
37.5°	1463.2	1369.3	1247.3	1129.1	1030.8	944.6	879.8	819.3	766.2	718.5	679.2
40°	1410.9	1328.4	1206.0	1090.7	984.5	902.5	841.8	786.3	733.7	688.6	651.1
42.5°	1350.6	1278.6	1165.8	1043.7	941.3	858.9	799.7	749.8	700.3	658.6	621.2
45°	1243.0	1195.6	1089.3	976.5	869.8	792.0	735.6	692.0	650.2	609.4	578.1
47.5°	1119.3	1095.8	1006.4	899.2	797.9	721.2	672.3	632.0	595.4	560.9	533.2
50°	1036.3	1024.8	947.5	844.2	747.4	675.3	626.0	591.4	560.1	529.8	503.6
52.5°	954.3	953.9	884.2	789.5	700.0	630.5	581.6	549.3	522.2	497.5	474.0
55°	829.0	842.2	787.7	703.3	623.1	560.5	516.5	487.5	468.6	448.2	430.6
57.5°	713.9	735.9	691.0	616.6	549.7	492.0	453.7	431.9	411.7	399.4	386.6
60°	638.8	659.7	624.6	562.0	498.9	449.6	413.0	393.6	376.0	367.6	358.6
62.5°	572.0	590.7	564.6	506.6	451.8	404.5	373.6	354.9	343.0	333.8	327.8
65°	476.6	492.2	470.0	427.8	380.8	342.9	317.7	303.0	291.7	287.8	281.2
67.5°	385.3	399.5	387.4	351.6	314.0	285.2	265.6	251.5	244.7	241.4	236.7
70°	331.0	345.3	332.4	301.1	272.2	248.1	229.5	221.5	214.4	212.9	206.3
72.5°	285.1	294.8	282.0	257.5	232.7	212.4	198.0	189.6	185.9	183.3	179.8
75°	213.9	222.4	213.9	194.9	177.4	163.2	150.8	147.5	143.2	141.8	139.5
77.5°	151.4	158.8	152.2	140.4	127.2	116.3	109.7	105.4	104.4	101.9	103.1
80°	115.7	120.5	114.3	106.2	95.8	88.2	83.5	81.1	78.3	77.3	79.2
82.5°	83.1	85.2	82.0	76.6	68.8	63.9	60.7	58.0	57.4	57.6	57.6
85°	43.2	42.7	42.2	37.5	35.1	31.7	29.9	29.4	28.9	29.9	30.9
87.5°	15.9	16.1	15.6	13.9	12.6	11.2	10.7	10.1	10.7	11.2	11.9
90°	7.5	6.8	6.0	5.2	4.2	3.2	2.2	1.2	2.2	3.2	4.2
92.5°	7.1	6.4	5.7	5.4	5.3	5.2	5.2	5.1	5.2	5.2	5.3
95°	8.7	8.6	8.6	10.0	13.1	16.1	19.2	22.2	19.2	16.1	13.1
97.5°	30.7	40.8	50.7	54.8	52.9	51.0	49.1	47.2	49.1	51.0	52.9
100°	42.5	54.9	67.3	72.8	71.2	69.6	67.9	66.3	67.9	69.6	71.2
102.5°	88.9	90.5	92.1	92.4	91.1	90.0	88.8	87.7	88.8	90.0	91.1
105°	125.2	124.8	124.3	123.8	123.2	122.7	122.2	121.6	122.2	122.7	123.2
107.5°	156.0	155.3	154.8	154.4	154.1	153.8	153.6	153.3	153.6	153.8	154.1
110°	177.2	176.6	176.0	175.7	175.4	175.1	174.9	174.6	174.9	175.1	175.4





TEST NUMBER: P332775-940

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	198.0	197.9	197.6	197.2	196.7	196.3	195.7	195.3	195.7	196.3	196.7
115°	228.1	228.2	228.3	228.2	227.9	227.7	227.4	227.1	227.4	227.7	227.9
117.5°	257.9	257.7	257.5	257.3	256.9	256.5	256.2	255.8	256.2	256.5	256.9
120°	276.6	276.7	276.8	276.6	276.3	275.9	275.5	275.2	275.5	275.9	276.3
122.5°	294.6	294.4	294.4	294.2	294.0	293.7	293.6	293.3	293.6	293.7	294.0
125°	320.4	320.6	320.7	320.7	320.3	319.9	319.6	319.2	319.6	319.9	320.3
127.5°	345.3	344.8	344.5	344.2	344.1	344.0	343.9	343.8	343.9	344.0	344.1
130°	360.8	360.5	360.3	360.1	360.0	359.9	359.7	359.6	359.7	359.9	360.0
132.5°	375.8	375.5	375.1	374.9	374.7	374.5	374.3	374.3	374.3	374.5	374.7
135°	396.5	396.2	395.8	395.7	395.7	395.8	395.9	396.0	395.9	395.8	395.7
137.5°	416.5	416.1	415.7	415.5	415.4	415.4	415.4	415.4	415.4	415.4	415.4
140°	429.3	429.0	428.8	428.6	428.5	428.3	428.1	427.9	428.1	428.3	428.5
142.5°	441.0	440.9	440.8	440.6	440.2	440.0	439.6	439.3	439.6	440.0	440.2
145°	457.9	457.9	457.9	457.7	457.4	457.2	456.9	456.6	456.9	457.2	457.4
147.5°	472.5	472.6	472.7	472.5	472.0	471.4	471.0	470.5	471.0	471.4	472.0
150°	481.9	482.0	482.1	482.0	481.6	481.3	480.9	480.5	480.9	481.3	481.6
152.5°	489.8	490.0	490.1	490.1	489.7	489.5	489.2	488.9	489.2	489.5	489.7
155°	500.4	500.7	501.0	501.1	501.0	500.9	500.8	500.7	500.8	500.9	501.0
157.5°	509.6	510.0	510.2	510.4	510.5	510.5	510.6	510.7	510.6	510.5	510.5
160°	515.1	515.1	515.2	515.4	515.7	515.9	516.2	516.5	516.2	515.9	515.7
162.5°	519.9	520.0	520.0	520.3	520.6	520.9	521.3	521.7	521.3	520.9	520.6
165°	526.2	526.2	526.2	526.4	526.8	527.3	527.7	528.2	527.7	527.3	526.8
167.5°	531.1	531.2	531.2	531.5	532.0	532.4	532.9	533.3	532.9	532.4	532.0
170°	534.0	534.0	533.9	534.1	534.7	535.2	535.7	536.3	535.7	535.2	534.7
172.5°	536.0	535.9	535.8	536.1	536.6	537.2	537.7	538.2	537.7	537.2	536.6
175°	538.1	538.1	538.0	538.1	538.7	539.2	539.8	540.3	539.8	539.2	538.7
177.5°	539.4	539.2	539.1	539.3	539.8	540.3	540.8	541.3	540.8	540.3	539.8
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3



TEST NUMBER: P332775-940

CATALOG NUMBER: S124DIW-S795D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1122.8	1119.5	1114.5	1107.7	1102.0	1095.9	1094.4	1092.1	1096.6	1092.9	1091.7
5°	1086.0	1076.0	1063.3	1048.6	1040.0	1027.7	1025.3	1020.6	1015.8	1015.4	1010.6
7.5°	1047.0	1032.4	1015.7	1000.7	986.8	973.3	964.6	962.6	955.6	951.5	946.8
10°	1022.0	1004.0	984.5	970.3	954.2	940.0	930.0	924.3	919.5	914.4	909.6
12.5°	992.4	973.2	957.3	941.8	922.7	911.9	895.5	885.6	884.7	884.8	872.4
15°	958.0	939.0	914.4	892.5	882.1	861.2	852.2	840.8	833.7	826.6	820.9
17.5°	918.6	895.0	875.7	850.7	830.8	814.2	802.4	795.5	784.8	774.7	767.4
20°	893.9	868.8	848.5	821.9	800.0	779.6	769.7	760.2	752.2	743.6	735.6
22.5°	868.9	842.7	817.7	791.9	771.6	750.1	740.5	727.5	719.9	715.2	707.1
25°	829.5	801.0	772.6	747.9	727.0	708.0	695.3	685.3	676.7	673.0	667.7
27.5°	786.6	758.3	730.8	702.8	679.1	665.4	655.1	647.6	642.7	637.7	635.3
30°	759.3	729.9	700.4	674.4	652.6	638.8	629.3	624.1	620.3	618.0	615.5
32.5°	731.6	702.6	671.6	647.8	628.3	616.1	608.9	603.6	601.7	600.8	600.0
35°	687.2	657.8	629.3	608.0	589.5	584.8	578.5	575.8	574.8	578.1	579.5
37.5°	644.2	616.9	590.8	570.1	557.9	551.0	548.8	549.0	552.4	555.4	558.7
40°	616.5	590.0	565.3	547.2	535.9	531.6	530.7	533.1	536.8	540.2	543.9
42.5°	589.6	563.4	541.0	524.1	516.2	512.3	512.8	515.2	520.5	524.6	530.3
45°	547.8	525.9	504.1	490.4	483.8	484.6	484.6	488.9	494.2	500.3	506.5
47.5°	508.4	486.4	468.4	456.9	453.4	452.6	455.3	460.8	468.3	476.0	484.6
50°	481.8	460.9	445.3	434.9	431.1	432.5	436.3	441.5	450.5	460.0	469.0
52.5°	454.9	436.0	421.4	411.7	409.1	411.6	415.4	423.7	431.6	441.8	452.7
55°	413.0	396.9	385.6	378.4	377.5	378.9	383.2	392.2	403.6	416.4	426.9
57.5°	371.4	357.9	347.5	342.6	343.0	344.4	351.4	362.1	374.3	387.9	401.4
60°	343.4	331.0	322.5	318.7	319.1	322.0	330.6	340.5	355.7	369.0	383.2
62.5°	316.8	305.9	297.8	294.4	293.7	300.0	308.2	318.5	333.7	348.5	363.8
65°	274.1	265.6	259.0	257.1	258.5	263.2	273.7	287.4	300.2	315.8	332.0
67.5°	232.4	225.3	220.8	221.7	223.4	230.4	239.2	250.9	265.5	281.7	297.7
70°	205.8	199.2	195.4	195.8	198.7	207.2	214.8	226.7	242.4	259.0	272.2
72.5°	178.5	174.2	170.8	172.7	175.6	181.5	190.9	202.8	216.5	232.0	246.0
75°	137.1	137.1	135.2	136.6	140.9	146.5	153.6	165.9	179.8	192.1	203.5
77.5°	101.7	100.7	101.8	103.6	106.0	112.8	120.9	129.7	140.1	152.4	161.8
80°	77.8	78.3	80.6	83.5	84.4	89.6	98.2	106.2	114.3	124.8	133.8
82.5°	58.4	58.9	60.1	63.8	64.6	70.3	75.8	83.8	91.1	98.2	105.7
85°	31.7	31.7	34.2	35.6	37.9	41.7	45.0	49.8	56.4	61.2	68.3
87.5°	13.2	13.4	15.0	15.9	17.2	19.3	20.1	24.3	26.0	28.0	31.5
90°	5.2	6.0	6.8	7.5	8.2	8.9	9.5	10.0	10.5	11.1	11.4
92.5°	5.4	5.7	6.4	7.1	7.8	8.6	9.1	9.6	10.2	10.7	11.0
95°	10.0	8.6	8.6	8.7	8.8	8.9	9.5	10.0	10.5	11.1	11.3
97.5°	54.8	50.7	40.8	30.7	20.7	10.7	10.7	10.8	10.8	10.9	11.0
100°	72.8	67.3	54.9	42.5	30.1	17.7	16.2	14.7	13.2	11.7	11.0
102.5°	92.4	92.1	90.5	88.9	87.3	85.7	69.2	52.7	36.3	19.8	11.6
105°	123.8	124.3	124.8	125.2	125.6	126.1	126.9	127.7	128.5	129.3	128.1
107.5°	154.4	154.8	155.3	156.0	156.6	157.2	157.6	158.0	158.4	158.8	159.2
110°	175.7	176.0	176.6	177.2	177.7	178.3	178.4	178.6	178.8	179.0	179.1



TEST NUMBER: P332775-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	197.2	197.6	197.9	198.0	198.3	198.6	198.6	198.5	198.5	198.4	198.6
115°	228.2	228.3	228.2	228.1	228.0	227.9	228.1	228.3	228.5	228.6	228.7
117.5°	257.3	257.5	257.7	257.9	258.2	258.3	258.2	258.2	258.2	258.2	258.2
120°	276.6	276.8	276.7	276.6	276.5	276.4	276.6	276.8	277.0	277.1	277.1
122.5°	294.2	294.4	294.4	294.6	294.7	294.9	295.0	295.1	295.2	295.2	295.2
125°	320.7	320.7	320.6	320.4	320.2	320.0	320.3	320.6	320.8	321.1	321.3
127.5°	344.2	344.5	344.8	345.3	345.7	346.1	346.1	346.0	345.9	345.9	345.8
130°	360.1	360.3	360.5	360.8	361.1	361.3	361.4	361.5	361.6	361.7	361.7
132.5°	374.9	375.1	375.5	375.8	376.1	376.5	376.6	376.7	376.7	376.8	376.8
135°	395.7	395.8	396.2	396.5	396.9	397.3	397.4	397.6	397.8	398.0	398.1
137.5°	415.5	415.7	416.1	416.5	416.9	417.3	417.5	417.7	417.9	418.1	418.1
140°	428.6	428.8	429.0	429.3	429.4	429.6	429.9	430.2	430.4	430.7	430.9
142.5°	440.6	440.8	440.9	441.0	441.1	441.2	441.4	441.6	441.8	442.0	442.1
145°	457.7	457.9	457.9	457.9	457.9	457.9	458.0	458.1	458.2	458.3	458.3
147.5°	472.5	472.7	472.6	472.5	472.4	472.3	472.4	472.5	472.5	472.6	472.7
150°	482.0	482.1	482.0	481.9	481.8	481.7	481.7	481.7	481.7	481.7	481.8
152.5°	490.1	490.1	490.0	489.8	489.6	489.5	489.6	489.7	489.9	490.1	490.1
155°	501.1	501.0	500.7	500.4	500.2	499.9	500.2	500.6	501.0	501.3	501.4
157.5°	510.4	510.2	510.0	509.6	509.3	509.1	509.5	510.0	510.4	510.9	510.9
160°	515.4	515.2	515.1	515.1	515.0	514.9	515.4	515.9	516.5	517.0	517.0
162.5°	520.3	520.0	520.0	519.9	519.8	519.7	520.2	520.8	521.3	521.8	521.8
165°	526.4	526.2	526.2	526.2	526.2	526.2	526.9	527.6	528.3	529.1	529.0
167.5°	531.5	531.2	531.2	531.1	531.1	531.0	531.8	532.6	533.4	534.2	534.1
170°	534.1	533.9	534.0	534.0	534.1	534.2	534.9	535.7	536.4	537.2	537.1
172.5°	536.1	535.8	535.9	536.0	536.1	536.2	536.9	537.6	538.3	539.0	539.0
175°	538.1	538.0	538.1	538.1	538.2	538.3	539.1	539.9	540.7	541.5	541.4
177.5°	539.3	539.1	539.2	539.4	539.5	539.7	540.2	540.8	541.4	542.0	541.8
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3



TEST NUMBER: P332775-940

CATALOG NUMBER: S124DIW-S795D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1090.9	1090.2	1087.5	1087.2	1087.5	1090.2	1090.9	1091.7	1092.9	1096.6	1092.1
5°	1007.8	1005.4	1004.0	1009.2	1004.0	1005.4	1007.8	1010.6	1015.4	1015.8	1020.6
7.5°	945.0	943.2	939.0	937.7	939.0	943.2	945.0	946.8	951.5	955.6	962.6
10°	904.8	902.9	899.2	898.2	899.2	902.9	904.8	909.6	914.4	919.5	924.3
12.5°	866.1	862.4	861.6	862.6	861.6	862.4	866.1	872.4	884.8	884.7	885.6
15°	814.8	812.9	807.6	809.0	807.6	812.9	814.8	820.9	826.6	833.7	840.8
17.5°	764.1	761.8	755.5	761.1	755.5	761.8	764.1	767.4	774.7	784.8	795.5
20°	732.3	728.4	725.1	724.6	725.1	728.4	732.3	735.6	743.6	752.2	760.2
22.5°	701.9	698.5	698.2	695.1	698.2	698.5	701.9	707.1	715.2	719.9	727.5
25°	664.0	660.7	659.7	657.3	659.7	660.7	664.0	667.7	673.0	676.7	685.3
27.5°	634.8	633.2	631.5	632.2	631.5	633.2	634.8	635.3	637.7	642.7	647.6
30°	617.0	616.5	615.5	615.5	615.5	616.5	617.0	615.5	618.0	620.3	624.1
32.5°	602.2	602.1	602.7	602.7	602.7	602.1	602.2	600.0	600.8	601.7	603.6
35°	581.4	582.8	583.8	582.4	583.8	582.8	581.4	579.5	578.1	574.8	575.8
37.5°	562.7	564.1	565.4	567.0	565.4	564.1	562.7	558.7	555.4	552.4	549.0
40°	548.2	551.5	552.5	554.9	552.5	551.5	548.2	543.9	540.2	536.8	533.1
42.5°	534.6	538.2	540.7	541.2	540.7	538.2	534.6	530.3	524.6	520.5	515.2
45°	513.6	517.4	520.8	520.8	520.8	517.4	513.6	506.5	500.3	494.2	488.9
47.5°	491.9	497.4	500.7	501.6	500.7	497.4	491.9	484.6	476.0	468.3	460.8
50°	477.1	483.8	487.1	489.5	487.1	483.8	477.1	469.0	460.0	450.5	441.5
52.5°	462.7	469.3	473.8	475.0	473.8	469.3	462.7	452.7	441.8	431.6	423.7
55°	437.7	447.2	452.5	454.3	452.5	447.2	437.7	426.9	416.4	403.6	392.2
57.5°	414.2	422.9	429.0	430.4	429.0	422.9	414.2	401.4	387.9	374.3	362.1
60°	396.0	405.5	413.0	414.5	413.0	405.5	396.0	383.2	369.0	355.7	340.5
62.5°	377.4	387.3	394.1	397.8	394.1	387.3	377.4	363.8	348.5	333.7	318.5
65°	345.3	355.2	361.9	363.3	361.9	355.2	345.3	332.0	315.8	300.2	287.4
67.5°	310.1	320.1	324.5	327.3	324.5	320.1	310.1	297.7	281.7	265.5	250.9
70°	285.5	293.6	298.3	300.7	298.3	293.6	285.5	272.2	259.0	242.4	226.7
72.5°	257.4	265.8	271.3	271.8	271.3	265.8	257.4	246.0	232.0	216.5	202.8
75°	214.4	221.9	224.8	224.8	224.8	221.9	214.4	203.5	192.1	179.8	165.9
77.5°	169.7	173.6	177.2	177.9	177.2	173.6	169.7	161.8	152.4	140.1	129.7
80°	140.9	143.2	146.1	146.1	146.1	143.2	140.9	133.8	124.8	114.3	106.2
82.5°	111.3	113.2	116.1	115.7	116.1	113.2	111.3	105.7	98.2	91.1	83.8
85°	67.3	71.6	71.2	70.2	71.2	71.6	67.3	68.3	61.2	56.4	49.8
87.5°	32.6	33.1	34.2	35.0	34.2	33.1	32.6	31.5	28.0	26.0	24.3
90°	11.6	11.8	11.9	12.1	11.9	11.8	11.6	11.4	11.1	10.5	10.0
92.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.0	10.7	10.2	9.6
95°	11.4	11.5	11.6	11.7	11.6	11.5	11.4	11.3	11.1	10.5	10.0
97.5°	11.1	11.1	11.2	11.3	11.2	11.1	11.1	11.0	10.9	10.8	10.8
100°	11.1	11.1	11.2	11.3	11.2	11.1	11.1	11.0	11.7	13.2	14.7
102.5°	11.6	11.6	11.6	11.7	11.6	11.6	11.6	11.6	19.8	36.3	52.7
105°	124.8	121.6	118.4	115.2	118.4	121.6	124.8	128.1	129.3	128.5	127.7
107.5°	159.5	159.8	160.2	160.5	160.2	159.8	159.5	159.2	158.8	158.4	158.0
110°	179.4	179.7	179.9	180.2	179.9	179.7	179.4	179.1	179.0	178.8	178.6



TEST NUMBER: P332775-940

CATALOG NUMBER: S124DIW-S795D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	198.9	199.3	199.7	199.9	199.7	199.3	198.9	198.6	198.4	198.5	198.5
115°	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.6	228.5	228.3
117.5°	258.1	258.1	258.1	258.0	258.1	258.1	258.1	258.2	258.2	258.2	258.2
120°	277.0	276.8	276.6	276.4	276.6	276.8	277.0	277.1	277.1	277.0	276.8
122.5°	295.1	294.9	294.7	294.5	294.7	294.9	295.1	295.2	295.2	295.2	295.1
125°	321.4	321.5	321.6	321.6	321.6	321.5	321.4	321.3	321.1	320.8	320.6
127.5°	345.7	345.6	345.6	345.5	345.6	345.6	345.7	345.8	345.9	345.9	346.0
130°	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.6	361.5
132.5°	376.7	376.7	376.7	376.6	376.7	376.7	376.7	376.8	376.8	376.7	376.7
135°	398.3	398.5	398.7	398.9	398.7	398.5	398.3	398.1	398.0	397.8	397.6
137.5°	418.1	418.0	418.0	417.9	418.0	418.0	418.1	418.1	418.1	417.9	417.7
140°	431.0	431.1	431.1	431.2	431.1	431.1	431.0	430.9	430.7	430.4	430.2
142.5°	442.1	442.2	442.2	442.2	442.2	442.2	442.1	442.1	442.0	441.8	441.6
145°	458.5	458.7	458.9	459.1	458.9	458.7	458.5	458.3	458.3	458.2	458.1
147.5°	472.8	472.9	473.0	473.1	473.0	472.9	472.8	472.7	472.6	472.5	472.5
150°	481.9	482.0	482.1	482.1	482.1	482.0	481.9	481.8	481.7	481.7	481.7
152.5°	490.1	490.0	489.9	489.9	489.9	490.0	490.1	490.1	490.1	489.9	489.7
155°	501.1	500.9	500.6	500.3	500.6	500.9	501.1	501.4	501.3	501.0	500.6
157.5°	510.4	510.0	509.5	509.1	509.5	510.0	510.4	510.9	510.9	510.4	510.0
160°	516.5	515.9	515.4	514.9	515.4	515.9	516.5	517.0	517.0	516.5	515.9
162.5°	521.2	520.6	520.0	519.4	520.0	520.6	521.2	521.8	521.8	521.3	520.8
165°	528.2	527.4	526.6	525.8	526.6	527.4	528.2	529.0	529.1	528.3	527.6
167.5°	533.2	532.4	531.5	530.6	531.5	532.4	533.2	534.1	534.2	533.4	532.6
170°	536.1	535.2	534.3	533.4	534.3	535.2	536.1	537.1	537.2	536.4	535.7
172.5°	538.0	537.0	536.0	535.0	536.0	537.0	538.0	539.0	539.0	538.3	537.6
175°	540.3	539.2	538.1	537.1	538.1	539.2	540.3	541.4	541.5	540.7	539.9
177.5°	541.0	540.1	539.2	538.4	539.2	540.1	541.0	541.8	542.0	541.4	540.8
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3



TEST NUMBER: P332775-940

CATALOG NUMBER: S124DIW-S795D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1094.4	1095.9	1102.0	1107.7	1114.5	1119.5	1122.8	1126.6	1134.6	1141.0	1147.1
5°	1025.3	1027.7	1040.0	1048.6	1063.3	1076.0	1086.0	1096.9	1109.7	1127.3	1143.4
7.5°	964.6	973.3	986.8	1000.7	1015.7	1032.4	1047.0	1063.5	1085.6	1109.6	1134.5
10°	930.0	940.0	954.2	970.3	984.5	1004.0	1022.0	1041.4	1066.6	1096.0	1125.4
12.5°	895.5	911.9	922.7	941.8	957.3	973.2	992.4	1017.9	1047.2	1078.2	1113.7
15°	852.2	861.2	882.1	892.5	914.4	939.0	958.0	983.6	1012.0	1052.8	1092.7
17.5°	802.4	814.2	830.8	850.7	875.7	895.0	918.6	944.9	980.8	1021.4	1071.2
20°	769.7	779.6	800.0	821.9	848.5	868.8	893.9	919.5	956.5	999.7	1051.9
22.5°	740.5	750.1	771.6	791.9	817.7	842.7	868.9	898.7	934.2	979.6	1032.9
25°	695.3	708.0	727.0	747.9	772.6	801.0	829.5	856.0	893.9	941.8	998.8
27.5°	655.1	665.4	679.1	702.8	730.8	758.3	786.6	819.9	856.4	907.0	966.2
30°	629.3	638.8	652.6	674.4	700.4	729.9	759.3	791.5	829.5	879.8	940.0
32.5°	608.9	616.1	628.3	647.8	671.6	702.6	731.6	765.0	804.8	854.3	913.0
35°	578.5	584.8	589.5	608.0	629.3	657.8	687.2	722.7	761.2	808.2	866.9
37.5°	548.8	551.0	557.9	570.1	590.8	616.9	644.2	679.2	718.5	766.2	819.3
40°	530.7	531.6	535.9	547.2	565.3	590.0	616.5	651.1	688.6	733.7	786.3
42.5°	512.8	512.3	516.2	524.1	541.0	563.4	589.6	621.2	658.6	700.3	749.8
45°	484.6	484.6	483.8	490.4	504.1	525.9	547.8	578.1	609.4	650.2	692.0
47.5°	455.3	452.6	453.4	456.9	468.4	486.4	508.4	533.2	560.9	595.4	632.0
50°	436.3	432.5	431.1	434.9	445.3	460.9	481.8	503.6	529.8	560.1	591.4
52.5°	415.4	411.6	409.1	411.7	421.4	436.0	454.9	474.0	497.5	522.2	549.3
55°	383.2	378.9	377.5	378.4	385.6	396.9	413.0	430.6	448.2	468.6	487.5
57.5°	351.4	344.4	343.0	342.6	347.5	357.9	371.4	386.6	399.4	411.7	431.9
60°	330.6	322.0	319.1	318.7	322.5	331.0	343.4	358.6	367.6	376.0	393.6
62.5°	308.2	300.0	293.7	294.4	297.8	305.9	316.8	327.8	333.8	343.0	354.9
65°	273.7	263.2	258.5	257.1	259.0	265.6	274.1	281.2	287.8	291.7	303.0
67.5°	239.2	230.4	223.4	221.7	220.8	225.3	232.4	236.7	241.4	244.7	251.5
70°	214.8	207.2	198.7	195.8	195.4	199.2	205.8	206.3	212.9	214.4	221.5
72.5°	190.9	181.5	175.6	172.7	170.8	174.2	178.5	179.8	183.3	185.9	189.6
75°	153.6	146.5	140.9	136.6	135.2	137.1	137.1	139.5	141.8	143.2	147.5
77.5°	120.9	112.8	106.0	103.6	101.8	100.7	101.7	103.1	101.9	104.4	105.4
80°	98.2	89.6	84.4	83.5	80.6	78.3	77.8	79.2	77.3	78.3	81.1
82.5°	75.8	70.3	64.6	63.8	60.1	58.9	58.4	57.6	57.6	57.4	58.0
85°	45.0	41.7	37.9	35.6	34.2	31.7	31.7	30.9	29.9	28.9	29.4
87.5°	20.1	19.3	17.2	15.9	15.0	13.4	13.2	11.9	11.2	10.7	10.1
90°	9.5	8.9	8.2	7.5	6.8	6.0	5.2	4.2	3.2	2.2	1.2
92.5°	9.1	8.6	7.8	7.1	6.4	5.7	5.4	5.3	5.2	5.2	5.1
95°	9.5	8.9	8.8	8.7	8.6	8.6	10.0	13.1	16.1	19.2	22.2
97.5°	10.7	10.7	20.7	30.7	40.8	50.7	54.8	52.9	51.0	49.1	47.2
100°	16.2	17.7	30.1	42.5	54.9	67.3	72.8	71.2	69.6	67.9	66.3
102.5°	69.2	85.7	87.3	88.9	90.5	92.1	92.4	91.1	90.0	88.8	87.7
105°	126.9	126.1	125.6	125.2	124.8	124.3	123.8	123.2	122.7	122.2	121.6
107.5°	157.6	157.2	156.6	156.0	155.3	154.8	154.4	154.1	153.8	153.6	153.3
110°	178.4	178.3	177.7	177.2	176.6	176.0	175.7	175.4	175.1	174.9	174.6



TEST NUMBER: P332775-940

CATALOG NUMBER: S124DIW-S795D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	198.6	198.6	198.3	198.0	197.9	197.6	197.2	196.7	196.3	195.7	195.3
115°	228.1	227.9	228.0	228.1	228.2	228.3	228.2	227.9	227.7	227.4	227.1
117.5°	258.2	258.3	258.2	257.9	257.7	257.5	257.3	256.9	256.5	256.2	255.8
120°	276.6	276.4	276.5	276.6	276.7	276.8	276.6	276.3	275.9	275.5	275.2
122.5°	295.0	294.9	294.7	294.6	294.4	294.4	294.2	294.0	293.7	293.6	293.3
125°	320.3	320.0	320.2	320.4	320.6	320.7	320.7	320.3	319.9	319.6	319.2
127.5°	346.1	346.1	345.7	345.3	344.8	344.5	344.2	344.1	344.0	343.9	343.8
130°	361.4	361.3	361.1	360.8	360.5	360.3	360.1	360.0	359.9	359.7	359.6
132.5°	376.6	376.5	376.1	375.8	375.5	375.1	374.9	374.7	374.5	374.3	374.3
135°	397.4	397.3	396.9	396.5	396.2	395.8	395.7	395.7	395.8	395.9	396.0
137.5°	417.5	417.3	416.9	416.5	416.1	415.7	415.5	415.4	415.4	415.4	415.4
140°	429.9	429.6	429.4	429.3	429.0	428.8	428.6	428.5	428.3	428.1	427.9
142.5°	441.4	441.2	441.1	441.0	440.9	440.8	440.6	440.2	440.0	439.6	439.3
145°	458.0	457.9	457.9	457.9	457.9	457.9	457.7	457.4	457.2	456.9	456.6
147.5°	472.4	472.3	472.4	472.5	472.6	472.7	472.5	472.0	471.4	471.0	470.5
150°	481.7	481.7	481.8	481.9	482.0	482.1	482.0	481.6	481.3	480.9	480.5
152.5°	489.6	489.5	489.6	489.8	490.0	490.1	490.1	489.7	489.5	489.2	488.9
155°	500.2	499.9	500.2	500.4	500.7	501.0	501.1	501.0	500.9	500.8	500.7
157.5°	509.5	509.1	509.3	509.6	510.0	510.2	510.4	510.5	510.5	510.6	510.7
160°	515.4	514.9	515.0	515.1	515.1	515.2	515.4	515.7	515.9	516.2	516.5
162.5°	520.2	519.7	519.8	519.9	520.0	520.0	520.3	520.6	520.9	521.3	521.7
165°	526.9	526.2	526.2	526.2	526.2	526.2	526.4	526.8	527.3	527.7	528.2
167.5°	531.8	531.0	531.1	531.1	531.2	531.2	531.5	532.0	532.4	532.9	533.3
170°	534.9	534.2	534.1	534.0	534.0	533.9	534.1	534.7	535.2	535.7	536.3
172.5°	536.9	536.2	536.1	536.0	535.9	535.8	536.1	536.6	537.2	537.7	538.2
175°	539.1	538.3	538.2	538.1	538.1	538.0	538.1	538.7	539.2	539.8	540.3
177.5°	540.2	539.7	539.5	539.4	539.2	539.1	539.3	539.8	540.3	540.8	541.3
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3



TEST NUMBER: P332775-940

CATALOG NUMBER: S124DIW-S795D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1152.4	1156.2	1161.2	1169.5	1172.5	1176.3	1181.6	1181.2	1182.8	1188.5	1200.6
5°	1156.7	1171.4	1185.6	1202.7	1220.8	1232.5	1248.7	1258.6	1268.6	1281.4	1303.2
7.5°	1158.4	1181.7	1207.8	1237.8	1264.4	1295.2	1319.2	1341.8	1362.1	1389.2	1415.1
10°	1155.7	1187.0	1220.8	1258.6	1299.0	1333.1	1364.0	1399.0	1428.9	1461.6	1491.0
12.5°	1150.8	1188.6	1233.6	1276.1	1323.2	1373.7	1412.1	1447.6	1487.4	1525.0	1570.3
15°	1139.6	1191.3	1243.9	1299.9	1363.0	1421.3	1476.8	1522.8	1565.5	1621.9	1681.2
17.5°	1125.4	1181.2	1247.6	1315.3	1381.2	1447.9	1516.5	1585.7	1639.6	1709.7	1756.0
20°	1112.1	1176.6	1244.9	1325.5	1391.4	1474.4	1542.7	1609.6	1683.6	1753.3	1808.7
22.5°	1093.5	1164.1	1236.5	1316.8	1403.6	1486.6	1565.5	1638.1	1712.0	1787.8	1855.0
25°	1069.9	1133.9	1219.8	1310.8	1397.1	1487.2	1577.8	1668.8	1748.6	1828.7	1891.3
27.5°	1029.7	1110.5	1190.4	1284.4	1380.4	1482.3	1579.1	1674.5	1757.9	1823.8	1862.6
30°	1009.2	1079.4	1166.2	1260.5	1364.4	1474.0	1574.9	1668.4	1746.1	1798.8	1814.5
32.5°	978.8	1051.3	1136.2	1233.9	1343.9	1456.5	1561.7	1649.8	1714.7	1742.3	1723.4
35°	933.8	999.3	1085.0	1185.2	1299.4	1419.4	1523.3	1597.8	1630.9	1604.8	1539.9
37.5°	879.8	944.6	1030.8	1129.1	1247.3	1369.3	1463.2	1516.8	1505.8	1440.9	1344.1
40°	841.8	902.5	984.5	1090.7	1206.0	1328.4	1410.9	1439.8	1409.4	1316.5	1213.6
42.5°	799.7	858.9	941.3	1043.7	1165.8	1278.6	1350.6	1352.9	1302.1	1191.0	1087.6
45°	735.6	792.0	869.8	976.5	1089.3	1195.6	1243.0	1219.8	1125.9	1018.7	914.8
47.5°	672.3	721.2	797.9	899.2	1006.4	1095.8	1119.3	1077.5	977.4	873.3	777.1
50°	626.0	675.3	747.4	844.2	947.5	1024.8	1036.3	980.7	882.6	777.8	702.4
52.5°	581.6	630.5	700.0	789.5	884.2	953.9	954.3	890.1	792.3	698.8	628.7
55°	516.5	560.5	623.1	703.3	787.7	842.2	829.0	762.6	677.7	596.6	535.4
57.5°	453.7	492.0	549.7	616.6	691.0	735.9	713.9	650.0	574.2	505.4	459.1
60°	413.0	449.6	498.9	562.0	624.6	659.7	638.8	580.9	511.2	455.8	415.4
62.5°	373.6	404.5	451.8	506.6	564.6	590.7	572.0	515.0	454.7	404.6	371.8
65°	317.7	342.9	380.8	427.8	470.0	492.2	476.6	423.5	377.5	341.4	315.4
67.5°	265.6	285.2	314.0	351.6	387.4	399.5	385.3	348.3	309.3	280.4	262.1
70°	229.5	248.1	272.2	301.1	332.4	345.3	331.0	301.6	269.8	243.3	225.2
72.5°	198.0	212.4	232.7	257.5	282.0	294.8	285.1	256.8	230.0	210.3	194.9
75°	150.8	163.2	177.4	194.9	213.9	222.4	213.9	194.5	175.9	161.2	150.3
77.5°	109.7	116.3	127.2	140.4	152.2	158.8	151.4	138.2	126.9	116.8	111.5
80°	83.5	88.2	95.8	106.2	114.3	120.5	115.7	104.8	95.8	89.2	86.8
82.5°	60.7	63.9	68.8	76.6	82.0	85.2	83.1	75.2	71.5	65.6	63.2
85°	29.9	31.7	35.1	37.5	42.2	42.7	43.2	39.9	36.6	35.1	33.2
87.5°	10.7	11.2	12.6	13.9	15.6	16.1	15.9	16.1	14.7	14.4	13.0
90°	2.2	3.2	4.2	5.2	6.0	6.8	7.5	8.2	8.9	9.5	10.0
92.5°	5.2	5.2	5.3	5.4	5.7	6.4	7.1	7.8	8.6	9.1	9.6
95°	19.2	16.1	13.1	10.0	8.6	8.6	8.7	8.8	8.9	9.5	10.0
97.5°	49.1	51.0	52.9	54.8	50.7	40.8	30.7	20.7	10.7	10.7	10.8
100°	67.9	69.6	71.2	72.8	67.3	54.9	42.5	30.1	17.7	16.2	14.7
102.5°	88.8	90.0	91.1	92.4	92.1	90.5	88.9	87.3	85.7	69.2	52.7
105°	122.2	122.7	123.2	123.8	124.3	124.8	125.2	125.6	126.1	126.9	127.7
107.5°	153.6	153.8	154.1	154.4	154.8	155.3	156.0	156.6	157.2	157.6	158.0
110°	174.9	175.1	175.4	175.7	176.0	176.6	177.2	177.7	178.3	178.4	178.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	195.7	196.3	196.7	197.2	197.6	197.9	198.0	198.3	198.6	198.6	198.5
115°	227.4	227.7	227.9	228.2	228.3	228.2	228.1	228.0	227.9	228.1	228.3
117.5°	256.2	256.5	256.9	257.3	257.5	257.7	257.9	258.2	258.3	258.2	258.2
120°	275.5	275.9	276.3	276.6	276.8	276.7	276.6	276.5	276.4	276.6	276.8
122.5°	293.6	293.7	294.0	294.2	294.4	294.4	294.6	294.7	294.9	295.0	295.1
125°	319.6	319.9	320.3	320.7	320.7	320.6	320.4	320.2	320.0	320.3	320.6
127.5°	343.9	344.0	344.1	344.2	344.5	344.8	345.3	345.7	346.1	346.1	346.0
130°	359.7	359.9	360.0	360.1	360.3	360.5	360.8	361.1	361.3	361.4	361.5
132.5°	374.3	374.5	374.7	374.9	375.1	375.5	375.8	376.1	376.5	376.6	376.7
135°	395.9	395.8	395.7	395.7	395.8	396.2	396.5	396.9	397.3	397.4	397.6
137.5°	415.4	415.4	415.4	415.5	415.7	416.1	416.5	416.9	417.3	417.5	417.7
140°	428.1	428.3	428.5	428.6	428.8	429.0	429.3	429.4	429.6	429.9	430.2
142.5°	439.6	440.0	440.2	440.6	440.8	440.9	441.0	441.1	441.2	441.4	441.6
145°	456.9	457.2	457.4	457.7	457.9	457.9	457.9	457.9	457.9	458.0	458.1
147.5°	471.0	471.4	472.0	472.5	472.7	472.6	472.5	472.4	472.3	472.4	472.5
150°	480.9	481.3	481.6	482.0	482.1	482.0	481.9	481.8	481.7	481.7	481.7
152.5°	489.2	489.5	489.7	490.1	490.1	490.0	489.8	489.6	489.5	489.6	489.7
155°	500.8	500.9	501.0	501.1	501.0	500.7	500.4	500.2	499.9	500.2	500.6
157.5°	510.6	510.5	510.5	510.4	510.2	510.0	509.6	509.3	509.1	509.5	510.0
160°	516.2	515.9	515.7	515.4	515.2	515.1	515.1	515.0	514.9	515.4	515.9
162.5°	521.3	520.9	520.6	520.3	520.0	520.0	519.9	519.8	519.7	520.2	520.8
165°	527.7	527.3	526.8	526.4	526.2	526.2	526.2	526.2	526.2	526.9	527.6
167.5°	532.9	532.4	532.0	531.5	531.2	531.2	531.1	531.1	531.0	531.8	532.6
170°	535.7	535.2	534.7	534.1	533.9	534.0	534.0	534.1	534.2	534.9	535.7
172.5°	537.7	537.2	536.6	536.1	535.8	535.9	536.0	536.1	536.2	536.9	537.6
175°	539.8	539.2	538.7	538.1	538.0	538.1	538.1	538.2	538.3	539.1	539.9
177.5°	540.8	540.3	539.8	539.3	539.1	539.2	539.4	539.5	539.7	540.2	540.8
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1206.7	1207.5	1210.9	1213.5	1214.2	1218.1	1218.4
5°	1312.7	1320.8	1336.4	1337.8	1340.2	1352.5	1343.1
7.5°	1437.0	1457.4	1471.1	1483.2	1487.6	1492.9	1491.8
10°	1516.6	1547.0	1562.2	1586.4	1587.3	1593.5	1589.7
12.5°	1596.7	1632.0	1659.7	1664.1	1684.4	1687.6	1692.9
15°	1710.1	1747.6	1786.0	1799.7	1827.7	1834.4	1844.9
17.5°	1816.8	1855.0	1882.0	1917.5	1929.0	1944.4	1933.9
20°	1875.2	1916.9	1951.1	1979.1	1990.9	1999.4	1998.5
22.5°	1910.5	1952.6	1980.2	2001.4	2012.5	2016.2	2015.9
25°	1932.5	1956.8	1965.2	1973.4	1961.1	1956.8	1958.6
27.5°	1871.1	1864.8	1842.5	1813.3	1783.0	1758.9	1745.8
30°	1786.5	1749.5	1715.8	1657.0	1626.7	1608.6	1592.5
32.5°	1666.6	1608.0	1543.2	1489.3	1454.8	1428.1	1424.1
35°	1461.2	1373.0	1293.8	1227.8	1193.6	1164.8	1158.1
37.5°	1242.2	1150.6	1079.3	1021.3	984.5	964.1	945.0
40°	1096.9	1018.2	948.0	898.7	870.8	856.0	844.2
42.5°	985.0	913.1	843.3	805.7	780.4	771.4	764.5
45°	830.4	763.6	715.2	686.7	672.0	656.8	649.7
47.5°	706.6	652.2	620.3	596.1	580.4	571.4	566.9
50°	636.4	591.8	563.4	544.9	530.7	523.5	519.8
52.5°	574.2	537.6	513.7	499.0	489.4	484.1	482.6
55°	494.6	466.6	451.5	438.7	431.6	426.9	424.9
57.5°	430.0	408.4	396.1	385.6	382.8	378.8	377.5
60°	387.4	370.9	360.4	353.3	351.0	346.2	347.1
62.5°	349.9	336.4	327.4	323.3	320.2	316.2	317.5
65°	296.0	286.0	281.2	277.4	273.7	271.3	273.1
67.5°	248.3	241.5	235.1	232.8	231.0	230.6	228.5
70°	217.2	211.5	205.8	204.4	204.4	202.5	202.1
72.5°	187.3	183.1	179.2	178.3	176.7	177.5	175.5
75°	144.6	141.3	139.9	138.5	138.0	138.0	136.6
77.5°	106.9	104.4	102.2	102.2	100.4	99.8	99.6
80°	81.1	80.2	78.3	78.3	77.3	77.8	76.9
82.5°	61.0	59.7	59.3	58.5	57.2	57.2	56.4
85°	32.7	31.3	30.9	29.4	28.4	29.4	28.4
87.5°	13.5	13.2	12.9	12.2	11.9	11.9	10.8
90°	10.5	11.1	11.4	11.6	11.8	11.9	12.1
92.5°	10.2	10.7	11.0	11.1	11.1	11.1	11.1
95°	10.5	11.1	11.3	11.4	11.5	11.6	11.7
97.5°	10.8	10.9	11.0	11.1	11.1	11.2	11.3
100°	13.2	11.7	11.0	11.1	11.1	11.2	11.3
102.5°	36.3	19.8	11.6	11.6	11.6	11.6	11.7
105°	128.5	129.3	128.1	124.8	121.6	118.4	115.2
107.5°	158.4	158.8	159.2	159.5	159.8	160.2	160.5
110°	178.8	179.0	179.1	179.4	179.7	179.9	180.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	198.5	198.4	198.6	198.9	199.3	199.7	199.9
115°	228.5	228.6	228.7	228.7	228.7	228.7	228.7
117.5°	258.2	258.2	258.2	258.1	258.1	258.1	258.0
120°	277.0	277.1	277.1	277.0	276.8	276.6	276.4
122.5°	295.2	295.2	295.2	295.1	294.9	294.7	294.5
125°	320.8	321.1	321.3	321.4	321.5	321.6	321.6
127.5°	345.9	345.9	345.8	345.7	345.6	345.6	345.5
130°	361.6	361.7	361.7	361.7	361.7	361.7	361.7
132.5°	376.7	376.8	376.8	376.7	376.7	376.7	376.6
135°	397.8	398.0	398.1	398.3	398.5	398.7	398.9
137.5°	417.9	418.1	418.1	418.1	418.0	418.0	417.9
140°	430.4	430.7	430.9	431.0	431.1	431.1	431.2
142.5°	441.8	442.0	442.1	442.1	442.2	442.2	442.2
145°	458.2	458.3	458.3	458.5	458.7	458.9	459.1
147.5°	472.5	472.6	472.7	472.8	472.9	473.0	473.1
150°	481.7	481.7	481.8	481.9	482.0	482.1	482.1
152.5°	489.9	490.1	490.1	490.1	490.0	489.9	489.9
155°	501.0	501.3	501.4	501.1	500.9	500.6	500.3
157.5°	510.4	510.9	510.9	510.4	510.0	509.5	509.1
160°	516.5	517.0	517.0	516.5	515.9	515.4	514.9
162.5°	521.3	521.8	521.8	521.2	520.6	520.0	519.4
165°	528.3	529.1	529.0	528.2	527.4	526.6	525.8
167.5°	533.4	534.2	534.1	533.2	532.4	531.5	530.6
170°	536.4	537.2	537.1	536.1	535.2	534.3	533.4
172.5°	538.3	539.0	539.0	538.0	537.0	536.0	535.0
175°	540.7	541.5	541.4	540.3	539.2	538.1	537.1
177.5°	541.4	542.0	541.8	541.0	540.1	539.2	538.4
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3

(END OF REPORT)