

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: P331826-940

Luminaire Tested: **S122RDIW-S865D435U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331826-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S865D435U940-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 435 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4283.3 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Direct

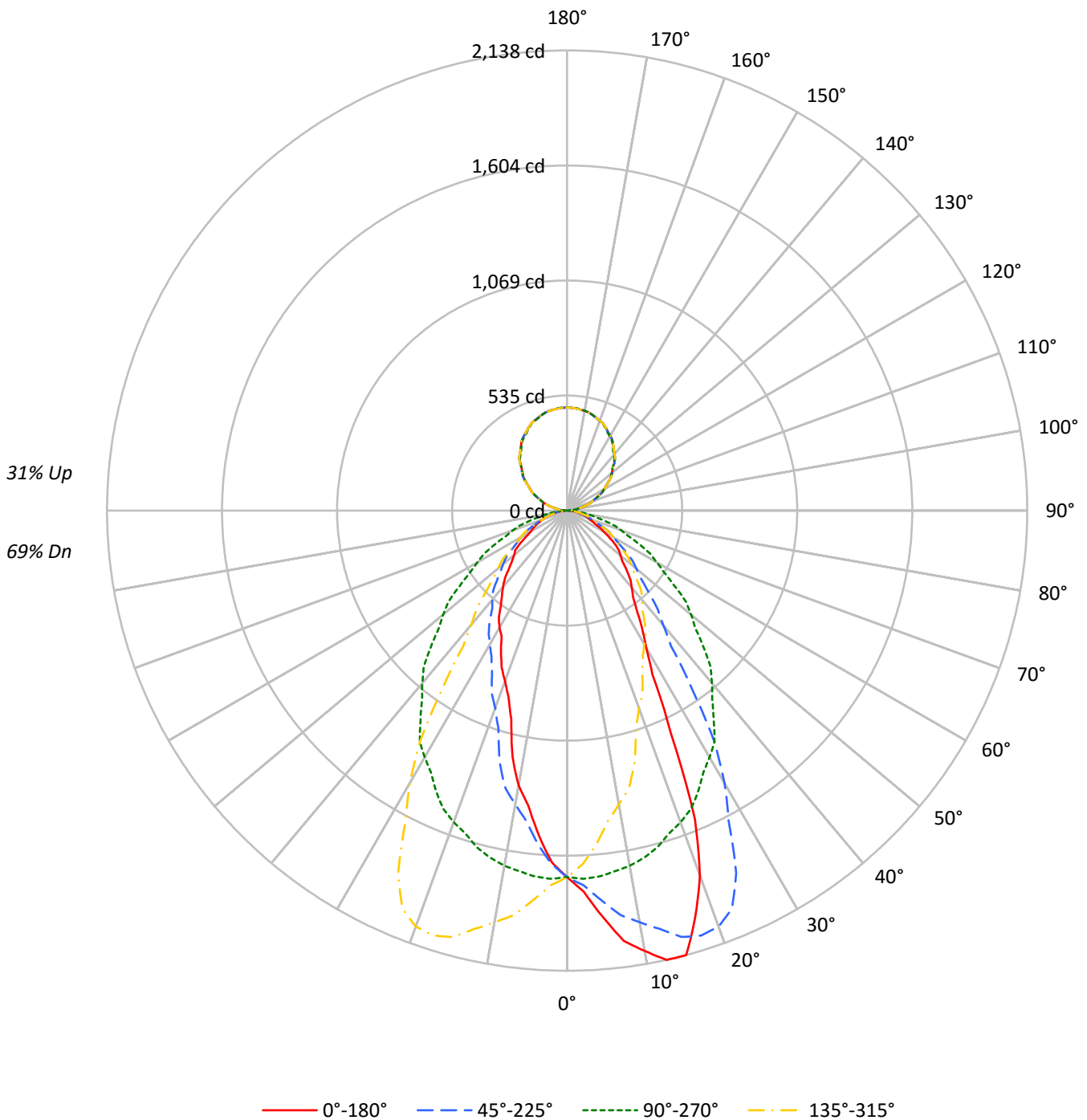
Input Watts (W): 46.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	69
1	103	99	95	92	97	94	91	88	84	81	79	75	73	71	66	65	64	60
2	95	88	82	77	89	83	78	74	75	71	68	67	64	61	60	58	56	52
3	87	78	71	66	82	74	68	63	67	62	58	60	57	53	54	51	49	46
4	81	70	63	57	76	67	60	55	61	55	51	55	50	47	49	46	43	40
5	75	63	56	50	70	60	53	48	55	49	45	50	45	42	45	41	38	36
6	69	58	50	44	65	55	48	43	50	44	40	46	41	37	41	38	35	32
7	64	53	45	39	61	50	43	38	46	40	36	42	37	34	38	34	31	29
8	60	48	41	35	57	46	39	34	42	37	32	39	34	30	35	32	29	26
9	56	44	37	32	53	43	36	31	39	34	30	36	31	28	33	29	26	24
10	53	41	34	29	50	40	33	29	37	31	27	34	29	26	31	27	24	22

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

	0°	90°	180°	270°
0°	27493	27493	27493	27493
5°	30705	27665	24530	27665
10°	34067	27471	21263	27471
15°	35741	27067	16754	27067
20°	30986	26472	14496	26472
25°	20322	25655	12944	25655
30°	13679	24664	11714	24664
35°	11077	23416	10565	23416
40°	9851	22059	9778	22059
45°	8917	20466	8727	20466
50°	8116	18889	8083	18889
55°	7628	17140	7527	17140
60°	6381	15532	6307	15532
65°	5379	14105	6101	14105
70°	4971	12595	5755	12595
75°	4648	10967	5315	10967
80°	4296	9019	4733	9019
85°	3946	7114	4168	7114



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.4	3.8
10°-20°	449.8	10.5
20°-30°	579.6	13.5
30°-40°	550.8	12.9
40°-50°	471.8	11.0
50°-60°	359.3	8.4
60°-70°	227.1	5.3
70°-80°	113.4	2.6
80°-90°	31.4	0.7
90°-100°	30.3	0.7
100°-110°	94.2	2.2
110°-120°	161.0	3.8
120°-130°	211.8	4.9
130°-140°	237.7	5.5
140°-150°	233.1	5.4
150°-160°	195.5	4.6
160°-170°	129.7	3.0
170°-180°	45.3	1.1
0°-30°	1190.8	27.8
0°-40°	1741.6	40.7
0°-60°	2572.7	60.1
0°-90°	2944.7	68.7
90°-120°	285.6	6.7
90°-150°	968.1	22.6
90°-180°	1339.0	31.3
0°-180°	4283.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1703	1703	1703	1703	1703	
5°	1894	1707	1514	1707	1894	187
15°	2138	1619	1002	1619	2138	577
25°	1141	1440	727	1440	1141	541
35°	562	1188	536	1188	562	360
45°	390	896	382	896	390	302
55°	271	609	267	609	271	238
65°	141	369	160	369	141	143
75°	74	176	85	176	74	79
85°	21	38	22	38	21	23
90°	14	0	14	0	14	7
95°	25	21	25	21	25	28
105°	90	87	90	87	90	94
115°	162	162	162	162	162	160
125°	236	235	236	235	236	210
135°	308	304	308	304	308	237
145°	373	369	373	369	373	233
155°	425	422	425	422	425	196
165°	460	459	460	459	460	130
175°	476	478	476	478	476	45
180°	479	479	479	479	479	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1771.9	1773.3	1774.8	1771.4	1771.4	1768.6	1762.5	1757.7	1744.5	1742.6	1742.6
5°	1894.5	1893.3	1895.7	1888.0	1877.3	1875.0	1863.8	1849.0	1833.5	1816.4	1812.8
7.5°	2016.3	2014.6	2009.8	2008.6	2000.4	1982.5	1964.4	1945.2	1919.6	1894.6	1882.0
10°	2077.9	2097.4	2085.6	2064.8	2069.0	2041.2	2026.4	2001.0	1979.7	1942.4	1934.1
12.5°	2138.5	2146.2	2142.4	2130.7	2125.4	2106.0	2086.1	2064.0	2024.6	1991.2	1962.0
15°	2138.2	2149.5	2152.4	2148.9	2151.9	2150.7	2140.0	2121.6	2087.4	2050.7	2018.7
17.5°	1980.4	1988.2	2007.6	2020.7	2037.3	2072.3	2089.6	2096.3	2091.2	2070.3	2047.8
20°	1803.4	1790.4	1844.8	1872.6	1896.2	1955.4	2006.3	2025.9	2057.2	2056.6	2050.7
22.5°	1552.5	1555.6	1607.2	1640.2	1709.3	1768.4	1826.5	1900.0	1960.6	2000.7	2024.2
25°	1140.7	1163.2	1214.7	1259.6	1336.6	1446.6	1546.6	1662.6	1772.0	1858.4	1940.6
27.5°	856.8	858.4	899.2	940.8	986.4	1076.6	1202.5	1341.0	1497.0	1625.8	1773.9
30°	733.7	730.1	747.3	772.7	811.7	881.5	976.2	1112.3	1267.9	1462.0	1634.8
32.5°	646.6	646.8	659.7	678.5	711.0	758.0	822.9	933.4	1080.5	1271.2	1473.8
35°	562.0	561.5	571.0	584.5	598.2	628.3	672.7	730.7	831.9	1010.0	1217.0
37.5°	501.5	504.1	508.7	517.2	532.3	549.0	575.7	614.7	686.7	792.0	966.1
40°	467.4	468.6	475.1	482.2	491.1	504.1	526.0	557.3	610.0	694.0	821.2
42.5°	436.1	437.4	441.9	448.6	455.6	468.6	486.7	513.8	556.5	622.1	727.0
45°	390.5	390.5	394.7	397.6	405.3	417.1	431.9	454.4	483.9	532.5	602.4
47.5°	347.7	347.8	350.5	355.6	360.4	369.7	384.2	402.6	424.1	461.6	521.3
50°	323.1	323.6	325.4	329.6	332.5	340.8	352.0	368.0	390.5	419.5	469.2
52.5°	303.2	302.8	305.1	306.8	308.9	314.8	323.2	337.2	357.4	382.5	423.7
55°	271.0	268.6	272.2	275.1	276.9	279.3	284.0	292.8	310.0	331.4	362.1
57.5°	230.8	229.8	232.3	235.0	240.6	246.9	251.0	256.6	265.6	280.8	311.3
60°	197.6	197.6	203.0	204.7	211.2	219.5	227.8	232.6	241.4	251.5	273.9
62.5°	168.3	168.7	171.2	173.0	176.6	186.8	198.4	208.8	217.2	226.9	241.7
65°	140.8	142.0	142.0	143.2	145.5	147.9	152.7	161.0	175.8	189.3	200.5
67.5°	119.5	119.8	120.2	121.5	122.0	124.6	126.5	130.2	133.6	146.5	160.4
70°	105.3	107.1	106.5	107.7	108.3	109.4	111.8	113.6	119.0	121.9	130.2
72.5°	92.0	93.4	93.3	94.0	95.5	95.8	97.6	99.4	102.8	105.3	109.8
75°	74.5	73.9	74.5	75.7	76.3	77.0	77.0	79.3	81.1	83.5	86.4
77.5°	57.5	58.1	58.0	58.1	58.2	59.3	59.2	60.2	62.0	63.2	64.6
80°	46.2	46.7	46.2	46.7	47.3	47.9	47.3	47.9	49.7	50.9	50.9
82.5°	35.8	35.8	36.2	36.3	36.5	36.6	37.4	37.5	38.8	38.6	39.1
85°	21.3	20.7	20.7	20.7	21.3	21.8	21.3	21.3	21.8	21.8	21.8
87.5°	10.3	10.8	10.8	10.7	10.7	10.7	10.8	11.2	10.9	11.3	10.5
90°	13.7	13.6	13.6	13.5	13.4	13.5	13.6	13.8	14.0	14.2	12.1
92.5°	13.1	13.1	13.0	13.0	13.0	13.0	12.9	12.9	12.8	12.8	12.4
95°	25.1	25.2	25.4	25.6	25.8	25.9	25.9	25.9	25.9	25.9	25.7
97.5°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.2
100°	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.5
102.5°	68.9	69.0	69.1	69.2	69.3	69.3	69.2	69.1	69.1	69.0	68.7
105°	89.7	89.7	89.7	89.7	89.7	89.6	89.4	89.3	89.1	88.9	88.7
107.5°	109.2	109.7	110.0	110.5	110.9	111.1	111.0	110.9	110.8	110.8	110.8
110°	124.4	124.7	124.9	125.2	125.5	125.6	125.6	125.6	125.6	125.6	125.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	139.0	139.2	139.4	139.6	139.7	140.0	140.2	140.4	140.6	140.8	140.9
115°	161.6	161.8	162.1	162.4	162.6	162.8	162.9	163.0	163.1	163.2	163.4
117.5°	183.2	183.4	183.7	184.0	184.2	184.5	184.7	184.9	185.1	185.4	185.8
120°	198.4	198.7	198.9	199.2	199.5	199.6	199.6	199.6	199.6	199.6	200.3
122.5°	213.2	213.4	213.7	213.8	214.0	214.2	214.5	214.6	214.9	215.1	215.6
125°	235.9	236.0	236.1	236.2	236.3	236.5	236.7	237.0	237.3	237.6	237.8
127.5°	256.6	256.9	257.2	257.4	257.8	258.1	258.4	258.7	259.0	259.4	259.7
130°	271.5	271.9	272.2	272.6	273.0	273.2	273.4	273.6	273.8	273.9	274.1
132.5°	285.7	286.0	286.2	286.6	286.9	287.2	287.6	288.0	288.4	288.7	288.7
135°	307.8	308.1	308.4	308.6	308.9	309.1	309.2	309.2	309.3	309.4	309.2
137.5°	327.9	328.2	328.6	329.0	329.3	329.6	329.6	329.7	329.8	329.8	329.6
140°	341.8	342.1	342.5	342.9	343.2	343.4	343.4	343.4	343.4	343.4	343.0
142.5°	354.4	354.7	355.1	355.4	355.8	356.0	355.9	355.8	355.8	355.7	355.3
145°	373.3	373.6	374.0	374.3	374.7	374.9	374.8	374.7	374.6	374.5	374.0
147.5°	390.2	390.5	390.8	391.2	391.6	391.6	391.5	391.2	391.0	390.8	390.5
150°	401.2	401.4	401.7	402.0	402.3	402.3	402.0	401.7	401.4	401.2	400.8
152.5°	411.5	411.9	412.1	412.5	412.9	412.9	412.5	412.1	411.9	411.5	411.1
155°	425.4	425.7	426.0	426.2	426.5	426.4	426.0	425.5	425.1	424.6	424.4
157.5°	437.4	437.8	438.2	438.6	439.1	439.0	438.4	437.7	437.2	436.6	436.4
160°	444.8	445.1	445.5	445.9	446.2	446.1	445.6	445.1	444.5	444.0	443.9
162.5°	451.3	451.7	452.1	452.5	453.0	452.9	452.3	451.7	451.0	450.5	450.4
165°	459.8	460.2	460.7	461.1	461.5	461.5	460.8	460.2	459.6	459.0	459.0
167.5°	466.7	467.2	467.6	468.1	468.6	468.5	467.9	467.3	466.6	466.0	466.0
170°	470.3	470.8	471.4	471.9	472.4	472.3	471.7	471.1	470.5	469.8	469.9
172.5°	473.1	473.7	474.2	474.7	475.3	475.3	474.7	474.0	473.4	472.8	472.9
175°	476.4	476.9	477.4	478.0	478.5	478.4	477.8	477.2	476.5	475.9	476.1
177.5°	477.8	478.2	478.7	479.0	479.5	479.5	479.0	478.7	478.2	477.8	477.9
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1743.5	1739.7	1736.4	1727.9	1723.6	1714.1	1712.7	1712.3	1700.0	1688.1	1684.8
5°	1803.4	1793.9	1779.7	1763.2	1746.0	1728.2	1716.4	1706.9	1683.3	1660.8	1647.8
7.5°	1863.8	1843.3	1818.9	1787.5	1761.4	1732.1	1710.2	1690.7	1657.2	1625.0	1603.3
10°	1908.7	1875.5	1843.0	1799.8	1766.1	1733.0	1702.2	1675.6	1637.7	1595.1	1565.0
12.5°	1936.6	1900.1	1855.3	1813.1	1769.4	1727.2	1686.1	1651.9	1607.4	1563.4	1527.5
15°	1974.3	1935.3	1880.9	1820.5	1764.3	1709.3	1662.0	1619.3	1561.4	1508.7	1464.9
17.5°	2005.3	1951.5	1893.1	1823.3	1758.2	1688.3	1627.3	1572.9	1508.3	1444.8	1393.2
20°	2015.2	1961.9	1894.5	1824.7	1747.8	1665.5	1599.8	1540.7	1471.4	1402.2	1343.1
22.5°	2009.0	1967.6	1892.6	1809.0	1730.3	1644.2	1570.0	1501.4	1424.6	1354.0	1285.3
25°	1967.3	1953.0	1882.0	1790.9	1701.0	1601.1	1515.2	1440.1	1352.5	1276.8	1202.2
27.5°	1869.9	1900.5	1856.5	1759.4	1659.5	1552.3	1455.8	1370.3	1279.4	1194.2	1119.9
30°	1776.2	1846.6	1827.7	1737.7	1625.9	1520.5	1412.3	1322.9	1225.9	1138.4	1065.0
32.5°	1647.9	1764.2	1782.7	1707.4	1591.8	1476.0	1362.6	1273.7	1172.4	1080.1	1008.6
35°	1443.7	1617.6	1697.5	1649.6	1533.6	1408.7	1291.6	1188.0	1086.3	995.1	924.2
37.5°	1200.0	1436.9	1570.0	1573.4	1467.0	1337.1	1209.6	1106.8	1002.6	913.2	836.3
40°	1041.9	1298.7	1472.0	1510.5	1420.6	1280.3	1151.4	1046.6	944.9	857.3	769.2
42.5°	899.9	1155.7	1368.9	1435.7	1364.2	1224.9	1095.6	986.1	887.2	804.3	714.3
45°	727.7	951.4	1186.2	1305.8	1266.1	1137.2	1000.5	896.3	803.4	731.9	645.5
47.5°	613.9	771.5	998.8	1160.5	1159.8	1042.1	907.6	807.9	721.7	654.6	584.7
50°	549.0	686.3	878.6	1062.0	1077.4	978.6	850.8	752.0	671.5	601.1	544.9
52.5°	490.8	604.0	776.9	952.7	996.5	910.9	786.9	695.7	617.6	552.9	504.7
55°	414.7	502.3	633.6	798.2	864.4	804.1	694.0	608.9	545.5	491.1	449.7
57.5°	350.9	416.5	521.9	654.3	731.6	693.6	602.8	533.6	479.4	430.2	397.4
60°	310.6	364.4	453.8	564.5	649.6	623.0	545.5	481.0	434.9	392.3	361.5
62.5°	272.8	319.1	395.6	485.4	563.5	552.5	489.2	435.1	394.7	355.8	329.8
65°	219.5	253.2	313.0	383.4	446.1	451.5	405.9	369.2	333.1	302.4	279.3
67.5°	174.8	196.8	238.9	298.2	345.2	361.9	334.1	306.1	277.5	253.7	233.7
70°	147.3	165.1	195.8	243.8	287.0	304.7	288.7	266.8	242.0	222.5	205.3
72.5°	119.4	136.7	159.3	194.6	231.6	250.7	245.2	229.4	209.3	193.1	176.9
75°	90.0	95.2	110.7	134.3	163.3	179.9	184.0	175.8	159.7	147.3	137.9
77.5°	66.5	69.7	77.0	89.4	108.4	123.1	129.2	128.2	117.3	110.0	101.2
80°	53.2	55.0	58.6	63.9	78.1	92.9	97.0	97.0	89.3	86.4	77.5
82.5°	40.5	41.7	43.9	46.8	53.5	66.3	71.0	72.0	67.1	63.2	56.2
85°	23.1	22.5	23.6	25.4	26.7	30.1	37.3	38.4	37.3	32.5	30.8
87.5°	10.1	10.2	9.8	9.0	9.3	9.5	11.7	13.8	12.1	11.0	10.2
90°	10.2	8.2	6.2	4.7	3.7	2.6	1.5	0.4	1.5	2.6	3.7
92.5°	11.9	11.4	11.0	10.3	9.5	8.7	8.0	7.2	8.0	8.7	9.5
95°	25.5	25.3	25.1	24.6	23.7	22.8	21.9	21.0	21.9	22.8	23.7
97.5°	42.8	42.4	42.1	41.6	40.8	39.9	39.1	38.3	39.1	39.9	40.8
100°	55.2	54.9	54.7	54.2	53.5	52.7	52.0	51.3	52.0	52.7	53.5
102.5°	68.3	67.9	67.7	67.1	66.6	66.0	65.5	64.9	65.5	66.0	66.6
105°	88.5	88.4	88.2	87.9	87.7	87.4	87.1	86.9	87.1	87.4	87.7
107.5°	110.8	110.8	110.8	110.6	110.2	109.8	109.4	109.0	109.4	109.8	110.2
110°	125.6	125.6	125.6	125.4	124.8	124.3	123.8	123.2	123.8	124.3	124.8





TEST NUMBER: P331826-940

CATALOG NUMBER: S122RDIW-S865D435U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	141.0	141.1	141.2	140.9	140.4	139.8	139.3	138.8	139.3	139.8	140.4
115°	163.5	163.7	163.9	163.7	163.2	162.6	162.1	161.6	162.1	162.6	163.2
117.5°	186.4	186.9	187.3	187.3	186.5	185.8	185.1	184.4	185.1	185.8	186.5
120°	201.0	201.7	202.4	202.4	201.7	201.0	200.3	199.6	200.3	201.0	201.7
122.5°	216.1	216.6	217.1	217.0	216.1	215.2	214.4	213.5	214.4	215.2	216.1
125°	238.1	238.4	238.6	238.4	237.6	236.7	235.9	235.1	235.9	236.7	237.6
127.5°	260.0	260.4	260.6	260.3	259.3	258.2	257.3	256.2	257.3	258.2	259.3
130°	274.3	274.5	274.6	274.1	273.0	271.8	270.6	269.5	270.6	271.8	273.0
132.5°	288.7	288.6	288.6	288.1	287.2	286.2	285.3	284.4	285.3	286.2	287.2
135°	309.1	308.9	308.7	308.2	307.2	306.2	305.2	304.3	305.2	306.2	307.2
137.5°	329.4	329.1	328.9	328.3	327.5	326.7	325.9	325.1	325.9	326.7	327.5
140°	342.5	342.1	341.6	341.0	340.2	339.4	338.6	337.8	338.6	339.4	340.2
142.5°	355.1	354.7	354.5	353.9	353.1	352.3	351.5	350.7	351.5	352.3	353.1
145°	373.4	372.9	372.4	371.8	371.1	370.5	369.9	369.3	369.9	370.5	371.1
147.5°	390.1	389.8	389.4	388.9	388.1	387.4	386.6	385.8	386.6	387.4	388.1
150°	400.5	400.1	399.8	399.3	398.8	398.2	397.7	397.2	397.7	398.2	398.8
152.5°	410.6	410.2	409.8	409.3	408.8	408.2	407.7	407.2	407.7	408.2	408.8
155°	424.1	423.8	423.6	423.3	423.0	422.7	422.4	422.1	422.4	422.7	423.0
157.5°	436.2	436.0	435.9	435.8	435.6	435.4	435.2	435.1	435.2	435.4	435.6
160°	443.8	443.7	443.6	443.5	443.4	443.2	443.0	442.8	443.0	443.2	443.4
162.5°	450.3	450.2	450.1	450.0	450.0	450.0	450.0	449.9	450.0	450.0	450.0
165°	459.0	459.0	459.0	459.0	459.1	459.1	459.2	459.3	459.2	459.1	459.1
167.5°	466.0	466.0	466.0	466.2	466.5	466.7	467.0	467.3	467.0	466.7	466.5
170°	470.0	470.1	470.2	470.4	470.6	470.9	471.2	471.4	471.2	470.9	470.6
172.5°	473.0	473.1	473.1	473.3	473.6	473.9	474.1	474.4	474.1	473.9	473.6
175°	476.3	476.4	476.6	476.9	477.2	477.4	477.7	478.0	477.7	477.4	477.2
177.5°	478.0	478.2	478.3	478.5	478.8	478.9	479.2	479.4	479.2	478.9	478.8
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



TEST NUMBER: P331826-940

CATALOG NUMBER: S122RDIW-S865D435U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1678.6	1675.3	1669.2	1659.7	1654.0	1644.1	1637.4	1641.3	1642.2	1641.3	1640.3
5°	1633.5	1621.1	1604.0	1587.4	1572.0	1555.5	1546.0	1541.9	1533.6	1528.8	1526.5
7.5°	1579.0	1557.6	1533.3	1504.5	1480.0	1454.3	1441.2	1434.7	1417.7	1408.5	1400.4
10°	1538.3	1504.6	1480.3	1442.4	1419.4	1385.6	1362.6	1363.2	1340.1	1327.0	1317.6
12.5°	1493.3	1456.3	1415.9	1381.9	1349.8	1322.7	1294.9	1283.6	1259.2	1246.6	1221.0
15°	1418.8	1375.6	1333.0	1286.8	1254.3	1212.3	1172.1	1122.9	1083.3	1049.0	1039.6
17.5°	1337.4	1283.9	1241.2	1187.0	1131.2	1060.6	1014.0	985.4	961.5	943.4	930.0
20°	1281.6	1227.1	1181.5	1099.9	1024.8	976.9	942.5	920.6	895.8	876.3	865.6
22.5°	1222.8	1166.0	1103.9	1012.8	954.2	915.8	885.2	860.1	843.2	828.0	818.2
25°	1139.5	1077.4	975.1	912.3	865.0	824.7	803.4	788.1	770.3	749.7	740.1
27.5°	1051.5	952.7	879.2	832.6	787.4	761.3	742.1	719.1	703.2	693.9	684.0
30°	985.7	886.9	829.5	778.6	746.6	717.6	695.2	682.2	666.8	650.9	644.4
32.5°	912.3	833.4	778.4	736.0	703.6	678.9	661.1	640.1	628.9	619.1	605.5
35°	821.2	761.4	711.1	676.9	646.1	626.0	605.3	592.8	572.7	564.5	559.1
37.5°	744.0	692.2	654.7	618.5	594.1	571.9	559.2	539.5	530.7	519.2	508.0
40°	700.5	649.6	613.6	584.0	556.8	540.2	524.2	508.3	495.3	489.9	476.3
42.5°	656.0	614.7	578.5	546.1	527.9	510.3	490.2	478.4	464.9	456.3	447.9
45°	594.6	557.9	527.2	500.5	480.5	462.1	449.1	429.5	421.9	404.7	397.6
47.5°	540.6	506.6	477.2	451.9	432.3	420.4	401.3	386.0	373.7	363.2	354.0
50°	502.3	473.9	445.5	423.0	405.3	388.2	368.6	360.9	342.0	336.6	331.4
52.5°	467.3	440.3	414.3	392.3	374.5	357.8	340.6	330.6	317.8	312.5	308.6
55°	418.3	392.3	367.4	347.9	330.1	313.0	302.4	289.9	284.0	279.8	275.1
57.5°	369.1	345.6	326.6	306.8	289.0	275.4	263.1	255.6	249.4	244.0	238.4
60°	337.9	315.3	298.2	279.8	261.5	250.3	240.8	231.9	224.8	216.5	214.2
62.5°	304.7	285.1	269.3	251.5	235.5	225.2	216.2	207.8	199.3	187.2	183.9
65°	259.1	243.8	227.2	212.4	198.2	188.2	175.1	165.7	162.1	161.0	160.3
67.5°	217.9	203.4	189.2	174.1	161.1	151.9	145.2	143.7	141.2	140.5	138.9
70°	190.5	176.9	162.7	148.5	136.1	134.3	132.0	129.6	126.6	125.5	124.2
72.5°	165.9	151.9	137.6	126.3	120.9	118.7	116.3	114.0	111.9	110.8	110.0
75°	127.2	114.2	104.7	100.6	97.6	95.9	92.3	90.5	89.3	87.6	86.9
77.5°	91.6	84.3	79.9	77.3	74.2	72.3	70.3	68.5	67.2	66.9	65.9
80°	69.8	66.3	63.3	59.7	58.6	56.2	55.6	53.9	54.4	52.7	52.7
82.5°	54.2	49.7	47.2	45.6	44.4	42.4	41.9	41.0	41.2	39.9	39.9
85°	27.8	26.7	25.4	24.3	24.3	22.5	23.1	22.5	22.5	21.3	20.7
87.5°	9.9	9.8	9.2	9.6	10.0	9.9	9.9	9.4	9.4	9.3	8.8
90°	4.7	6.2	8.2	10.2	12.1	14.2	14.0	13.8	13.6	13.5	13.4
92.5°	10.3	11.0	11.4	11.9	12.4	12.8	12.8	12.9	12.9	13.0	13.0
95°	24.6	25.1	25.3	25.5	25.7	25.9	25.9	25.9	25.9	25.9	25.8
97.5°	41.6	42.1	42.4	42.8	43.2	43.4	43.4	43.4	43.4	43.4	43.4
100°	54.2	54.7	54.9	55.2	55.5	55.7	55.7	55.7	55.7	55.7	55.7
102.5°	67.1	67.7	67.9	68.3	68.7	69.0	69.1	69.1	69.2	69.3	69.3
105°	87.9	88.2	88.4	88.5	88.7	88.9	89.1	89.3	89.4	89.6	89.7
107.5°	110.6	110.8	110.8	110.8	110.8	110.8	110.8	110.9	111.0	111.1	110.9
110°	125.4	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.5



TEST NUMBER: P331826-940

CATALOG NUMBER: S122RDIW-S865D435U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	140.9	141.2	141.1	141.0	140.9	140.8	140.6	140.4	140.2	140.0	139.7
115°	163.7	163.9	163.7	163.5	163.4	163.2	163.1	163.0	162.9	162.8	162.6
117.5°	187.3	187.3	186.9	186.4	185.8	185.4	185.1	184.9	184.7	184.5	184.2
120°	202.4	202.4	201.7	201.0	200.3	199.6	199.6	199.6	199.6	199.6	199.5
122.5°	217.0	217.1	216.6	216.1	215.6	215.1	214.9	214.6	214.5	214.2	214.0
125°	238.4	238.6	238.4	238.1	237.8	237.6	237.3	237.0	236.7	236.5	236.3
127.5°	260.3	260.6	260.4	260.0	259.7	259.4	259.0	258.7	258.4	258.1	257.8
130°	274.1	274.6	274.5	274.3	274.1	273.9	273.8	273.6	273.4	273.2	273.0
132.5°	288.1	288.6	288.6	288.7	288.7	288.7	288.4	288.0	287.6	287.2	286.9
135°	308.2	308.7	308.9	309.1	309.2	309.4	309.3	309.2	309.2	309.1	308.9
137.5°	328.3	328.9	329.1	329.4	329.6	329.8	329.8	329.7	329.6	329.6	329.3
140°	341.0	341.6	342.1	342.5	343.0	343.4	343.4	343.4	343.4	343.4	343.2
142.5°	353.9	354.5	354.7	355.1	355.3	355.7	355.8	355.8	355.9	356.0	355.8
145°	371.8	372.4	372.9	373.4	374.0	374.5	374.6	374.7	374.8	374.9	374.7
147.5°	388.9	389.4	389.8	390.1	390.5	390.8	391.0	391.2	391.5	391.6	391.6
150°	399.3	399.8	400.1	400.5	400.8	401.2	401.4	401.7	402.0	402.3	402.3
152.5°	409.3	409.8	410.2	410.6	411.1	411.5	411.9	412.1	412.5	412.9	412.9
155°	423.3	423.6	423.8	424.1	424.4	424.6	425.1	425.5	426.0	426.4	426.5
157.5°	435.8	435.9	436.0	436.2	436.4	436.6	437.2	437.7	438.4	439.0	439.1
160°	443.5	443.6	443.7	443.8	443.9	444.0	444.5	445.1	445.6	446.1	446.2
162.5°	450.0	450.1	450.2	450.3	450.4	450.5	451.0	451.7	452.3	452.9	453.0
165°	459.0	459.0	459.0	459.0	459.0	459.0	459.6	460.2	460.8	461.5	461.5
167.5°	466.2	466.0	466.0	466.0	466.0	466.0	466.6	467.3	467.9	468.5	468.6
170°	470.4	470.2	470.1	470.0	469.9	469.8	470.5	471.1	471.7	472.3	472.4
172.5°	473.3	473.1	473.1	473.0	472.9	472.8	473.4	474.0	474.7	475.3	475.3
175°	476.9	476.6	476.4	476.3	476.1	475.9	476.5	477.2	477.8	478.4	478.5
177.5°	478.5	478.3	478.2	478.0	477.9	477.8	478.2	478.7	479.0	479.5	479.5
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



TEST NUMBER: P331826-940

CATALOG NUMBER: S122RDIW-S865D435U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1635.1	1636.0	1634.6	1635.6	1634.6	1636.0	1635.1	1640.3	1641.3	1642.2	1641.3
5°	1523.5	1516.4	1515.2	1513.5	1515.2	1516.4	1523.5	1526.5	1528.8	1533.6	1541.9
7.5°	1390.3	1389.2	1386.3	1382.2	1386.3	1389.2	1390.3	1400.4	1408.5	1417.7	1434.7
10°	1304.6	1301.6	1301.1	1296.9	1301.1	1301.6	1304.6	1317.6	1327.0	1340.1	1363.2
12.5°	1204.3	1185.2	1183.2	1172.9	1183.2	1185.2	1204.3	1221.0	1246.6	1259.2	1283.6
15°	1025.4	1021.8	1010.0	1002.3	1010.0	1021.8	1025.4	1039.6	1049.0	1083.3	1122.9
17.5°	923.1	911.5	907.9	906.2	907.9	911.5	923.1	930.0	943.4	961.5	985.4
20°	857.3	846.7	844.9	843.7	844.9	846.7	857.3	865.6	876.3	895.8	920.6
22.5°	811.9	800.8	796.1	792.6	796.1	800.8	811.9	818.2	828.0	843.2	860.1
25°	734.2	730.1	727.7	726.6	727.7	730.1	734.2	740.1	749.7	770.3	788.1
27.5°	673.5	664.4	662.6	659.6	662.6	664.4	673.5	684.0	693.9	703.2	719.1
30°	639.0	636.1	631.9	628.3	631.9	636.1	639.0	644.4	650.9	666.8	682.2
32.5°	598.2	595.8	592.1	590.5	592.1	595.8	598.2	605.5	619.1	628.9	640.1
35°	553.2	544.9	541.4	536.0	541.4	544.9	553.2	559.1	564.5	572.7	592.8
37.5°	505.5	501.1	496.1	497.9	496.1	501.1	505.5	508.0	519.2	530.7	539.5
40°	468.6	465.7	464.5	463.9	464.5	465.7	468.6	476.3	489.9	495.3	508.3
42.5°	439.3	431.1	428.0	427.8	428.0	431.1	439.3	447.9	456.3	464.9	478.4
45°	394.7	386.9	381.7	382.2	381.7	386.9	394.7	397.6	404.7	421.9	429.5
47.5°	348.9	348.7	345.4	346.5	345.4	348.7	348.9	354.0	363.2	373.7	386.0
50°	327.2	323.6	321.3	321.8	321.3	323.6	327.2	331.4	336.6	342.0	360.9
52.5°	306.4	303.3	301.4	303.9	301.4	303.3	306.4	308.6	312.5	317.8	330.6
55°	272.2	268.6	268.0	267.4	268.0	268.6	272.2	275.1	279.8	284.0	289.9
57.5°	234.0	231.6	228.0	226.5	228.0	231.6	234.0	238.4	244.0	249.4	255.6
60°	206.5	201.8	195.8	195.3	195.8	201.8	206.5	214.2	216.5	224.8	231.9
62.5°	181.4	180.5	179.2	179.1	179.2	180.5	181.4	183.9	187.2	199.3	207.8
65°	159.2	158.5	159.2	159.7	159.2	158.5	159.2	160.3	161.0	162.1	165.7
67.5°	138.7	137.6	136.5	137.1	136.5	137.6	138.7	138.9	140.5	141.2	143.7
70°	123.1	122.4	121.9	121.9	121.9	122.4	123.1	124.2	125.5	126.6	129.6
72.5°	107.9	107.8	107.2	106.7	107.2	107.8	107.9	110.0	110.8	111.9	114.0
75°	86.4	85.2	85.2	85.2	85.2	85.2	86.4	86.9	87.6	89.3	90.5
77.5°	65.8	65.2	64.6	64.1	64.6	65.2	65.8	65.9	66.9	67.2	68.5
80°	52.1	51.5	50.9	50.9	50.9	51.5	52.1	52.7	52.7	54.4	53.9
82.5°	39.8	39.1	39.1	38.6	39.1	39.1	39.8	39.9	39.9	41.2	41.0
85°	21.3	21.8	21.3	22.5	21.3	21.8	21.3	20.7	21.3	22.5	22.5
87.5°	8.8	8.4	8.9	8.5	8.9	8.4	8.8	8.8	9.3	9.4	9.4
90°	13.5	13.6	13.6	13.7	13.6	13.6	13.5	13.4	13.5	13.6	13.8
92.5°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	13.0	13.0	12.9	12.9
95°	25.6	25.4	25.2	25.1	25.2	25.4	25.6	25.8	25.9	25.9	25.9
97.5°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
100°	55.6	55.6	55.5	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7
102.5°	69.2	69.1	69.0	68.9	69.0	69.1	69.2	69.3	69.3	69.2	69.1
105°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.6	89.4	89.3
107.5°	110.5	110.0	109.7	109.2	109.7	110.0	110.5	110.9	111.1	111.0	110.9
110°	125.2	124.9	124.7	124.4	124.7	124.9	125.2	125.5	125.6	125.6	125.6



TEST NUMBER: P331826-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	139.6	139.4	139.2	139.0	139.2	139.4	139.6	139.7	140.0	140.2	140.4
115°	162.4	162.1	161.8	161.6	161.8	162.1	162.4	162.6	162.8	162.9	163.0
117.5°	184.0	183.7	183.4	183.2	183.4	183.7	184.0	184.2	184.5	184.7	184.9
120°	199.2	198.9	198.7	198.4	198.7	198.9	199.2	199.5	199.6	199.6	199.6
122.5°	213.8	213.7	213.4	213.2	213.4	213.7	213.8	214.0	214.2	214.5	214.6
125°	236.2	236.1	236.0	235.9	236.0	236.1	236.2	236.3	236.5	236.7	237.0
127.5°	257.4	257.2	256.9	256.6	256.9	257.2	257.4	257.8	258.1	258.4	258.7
130°	272.6	272.2	271.9	271.5	271.9	272.2	272.6	273.0	273.2	273.4	273.6
132.5°	286.6	286.2	286.0	285.7	286.0	286.2	286.6	286.9	287.2	287.6	288.0
135°	308.6	308.4	308.1	307.8	308.1	308.4	308.6	308.9	309.1	309.2	309.2
137.5°	329.0	328.6	328.2	327.9	328.2	328.6	329.0	329.3	329.6	329.6	329.7
140°	342.9	342.5	342.1	341.8	342.1	342.5	342.9	343.2	343.4	343.4	343.4
142.5°	355.4	355.1	354.7	354.4	354.7	355.1	355.4	355.8	356.0	355.9	355.8
145°	374.3	374.0	373.6	373.3	373.6	374.0	374.3	374.7	374.9	374.8	374.7
147.5°	391.2	390.8	390.5	390.2	390.5	390.8	391.2	391.6	391.6	391.5	391.2
150°	402.0	401.7	401.4	401.2	401.4	401.7	402.0	402.3	402.3	402.0	401.7
152.5°	412.5	412.1	411.9	411.5	411.9	412.1	412.5	412.9	412.9	412.5	412.1
155°	426.2	426.0	425.7	425.4	425.7	426.0	426.2	426.5	426.4	426.0	425.5
157.5°	438.6	438.2	437.8	437.4	437.8	438.2	438.6	439.1	439.0	438.4	437.7
160°	445.9	445.5	445.1	444.8	445.1	445.5	445.9	446.2	446.1	445.6	445.1
162.5°	452.5	452.1	451.7	451.3	451.7	452.1	452.5	453.0	452.9	452.3	451.7
165°	461.1	460.7	460.2	459.8	460.2	460.7	461.1	461.5	461.5	460.8	460.2
167.5°	468.1	467.6	467.2	466.7	467.2	467.6	468.1	468.6	468.5	467.9	467.3
170°	471.9	471.4	470.8	470.3	470.8	471.4	471.9	472.4	472.3	471.7	471.1
172.5°	474.7	474.2	473.7	473.1	473.7	474.2	474.7	475.3	475.3	474.7	474.0
175°	478.0	477.4	476.9	476.4	476.9	477.4	478.0	478.5	478.4	477.8	477.2
177.5°	479.0	478.7	478.2	477.8	478.2	478.7	479.0	479.5	479.5	479.0	478.7
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



TEST NUMBER: P331826-940

CATALOG NUMBER: S122RDIW-S865D435U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1637.4	1644.1	1654.0	1659.7	1669.2	1675.3	1678.6	1684.8	1688.1	1700.0	1712.3
5°	1546.0	1555.5	1572.0	1587.4	1604.0	1621.1	1633.5	1647.8	1660.8	1683.3	1706.9
7.5°	1441.2	1454.3	1480.0	1504.5	1533.3	1557.6	1579.0	1603.3	1625.0	1657.2	1690.7
10°	1362.6	1385.6	1419.4	1442.4	1480.3	1504.6	1538.3	1565.0	1595.1	1637.7	1675.6
12.5°	1294.9	1322.7	1349.8	1381.9	1415.9	1456.3	1493.3	1527.5	1563.4	1607.4	1651.9
15°	1172.1	1212.3	1254.3	1286.8	1333.0	1375.6	1418.8	1464.9	1508.7	1561.4	1619.3
17.5°	1014.0	1060.6	1131.2	1187.0	1241.2	1283.9	1337.4	1393.2	1444.8	1508.3	1572.9
20°	942.5	976.9	1024.8	1099.9	1181.5	1227.1	1281.6	1343.1	1402.2	1471.4	1540.7
22.5°	885.2	915.8	954.2	1012.8	1103.9	1166.0	1222.8	1285.3	1354.0	1424.6	1501.4
25°	803.4	824.7	865.0	912.3	975.1	1077.4	1139.5	1202.2	1276.8	1352.5	1440.1
27.5°	742.1	761.3	787.4	832.6	879.2	952.7	1051.5	1119.9	1194.2	1279.4	1370.3
30°	695.2	717.6	746.6	778.6	829.5	886.9	985.7	1065.0	1138.4	1225.9	1322.9
32.5°	661.1	678.9	703.6	736.0	778.4	833.4	912.3	1008.6	1080.1	1172.4	1273.7
35°	605.3	626.0	646.1	676.9	711.1	761.4	821.2	924.2	995.1	1086.3	1188.0
37.5°	559.2	571.9	594.1	618.5	654.7	692.2	744.0	836.3	913.2	1002.6	1106.8
40°	524.2	540.2	556.8	584.0	613.6	649.6	700.5	769.2	857.3	944.9	1046.6
42.5°	490.2	510.3	527.9	546.1	578.5	614.7	656.0	714.3	804.3	887.2	986.1
45°	449.1	462.1	480.5	500.5	527.2	557.9	594.6	645.5	731.9	803.4	896.3
47.5°	401.3	420.4	432.3	451.9	477.2	506.6	540.6	584.7	654.6	721.7	807.9
50°	368.6	388.2	405.3	423.0	445.5	473.9	502.3	544.9	601.1	671.5	752.0
52.5°	340.6	357.8	374.5	392.3	414.3	440.3	467.3	504.7	552.9	617.6	695.7
55°	302.4	313.0	330.1	347.9	367.4	392.3	418.3	449.7	491.1	545.5	608.9
57.5°	263.1	275.4	289.0	306.8	326.6	345.6	369.1	397.4	430.2	479.4	533.6
60°	240.8	250.3	261.5	279.8	298.2	315.3	337.9	361.5	392.3	434.9	481.0
62.5°	216.2	225.2	235.5	251.5	269.3	285.1	304.7	329.8	355.8	394.7	435.1
65°	175.1	188.2	198.2	212.4	227.2	243.8	259.1	279.3	302.4	333.1	369.2
67.5°	145.2	151.9	161.1	174.1	189.2	203.4	217.9	233.7	253.7	277.5	306.1
70°	132.0	134.3	136.1	148.5	162.7	176.9	190.5	205.3	222.5	242.0	266.8
72.5°	116.3	118.7	120.9	126.3	137.6	151.9	165.9	176.9	193.1	209.3	229.4
75°	92.3	95.9	97.6	100.6	104.7	114.2	127.2	137.9	147.3	159.7	175.8
77.5°	70.3	72.3	74.2	77.3	79.9	84.3	91.6	101.2	110.0	117.3	128.2
80°	55.6	56.2	58.6	59.7	63.3	66.3	69.8	77.5	86.4	89.3	97.0
82.5°	41.9	42.4	44.4	45.6	47.2	49.7	54.2	56.2	63.2	67.1	72.0
85°	23.1	22.5	24.3	24.3	25.4	26.7	27.8	30.8	32.5	37.3	38.4
87.5°	9.9	9.9	10.0	9.6	9.2	9.8	9.9	10.2	11.0	12.1	13.8
90°	14.0	14.2	12.1	10.2	8.2	6.2	4.7	3.7	2.6	1.5	0.4
92.5°	12.8	12.8	12.4	11.9	11.4	11.0	10.3	9.5	8.7	8.0	7.2
95°	25.9	25.9	25.7	25.5	25.3	25.1	24.6	23.7	22.8	21.9	21.0
97.5°	43.4	43.4	43.2	42.8	42.4	42.1	41.6	40.8	39.9	39.1	38.3
100°	55.7	55.7	55.5	55.2	54.9	54.7	54.2	53.5	52.7	52.0	51.3
102.5°	69.1	69.0	68.7	68.3	67.9	67.7	67.1	66.6	66.0	65.5	64.9
105°	89.1	88.9	88.7	88.5	88.4	88.2	87.9	87.7	87.4	87.1	86.9
107.5°	110.8	110.8	110.8	110.8	110.8	110.8	110.6	110.2	109.8	109.4	109.0
110°	125.6	125.6	125.6	125.6	125.6	125.6	125.4	124.8	124.3	123.8	123.2



TEST NUMBER: P331826-940

CATALOG NUMBER: S122RDIW-S865D435U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	140.6	140.8	140.9	141.0	141.1	141.2	140.9	140.4	139.8	139.3	138.8
115°	163.1	163.2	163.4	163.5	163.7	163.9	163.7	163.2	162.6	162.1	161.6
117.5°	185.1	185.4	185.8	186.4	186.9	187.3	187.3	186.5	185.8	185.1	184.4
120°	199.6	199.6	200.3	201.0	201.7	202.4	202.4	201.7	201.0	200.3	199.6
122.5°	214.9	215.1	215.6	216.1	216.6	217.1	217.0	216.1	215.2	214.4	213.5
125°	237.3	237.6	237.8	238.1	238.4	238.6	238.4	237.6	236.7	235.9	235.1
127.5°	259.0	259.4	259.7	260.0	260.4	260.6	260.3	259.3	258.2	257.3	256.2
130°	273.8	273.9	274.1	274.3	274.5	274.6	274.1	273.0	271.8	270.6	269.5
132.5°	288.4	288.7	288.7	288.7	288.6	288.6	288.1	287.2	286.2	285.3	284.4
135°	309.3	309.4	309.2	309.1	308.9	308.7	308.2	307.2	306.2	305.2	304.3
137.5°	329.8	329.8	329.6	329.4	329.1	328.9	328.3	327.5	326.7	325.9	325.1
140°	343.4	343.4	343.0	342.5	342.1	341.6	341.0	340.2	339.4	338.6	337.8
142.5°	355.8	355.7	355.3	355.1	354.7	354.5	353.9	353.1	352.3	351.5	350.7
145°	374.6	374.5	374.0	373.4	372.9	372.4	371.8	371.1	370.5	369.9	369.3
147.5°	391.0	390.8	390.5	390.1	389.8	389.4	388.9	388.1	387.4	386.6	385.8
150°	401.4	401.2	400.8	400.5	400.1	399.8	399.3	398.8	398.2	397.7	397.2
152.5°	411.9	411.5	411.1	410.6	410.2	409.8	409.3	408.8	408.2	407.7	407.2
155°	425.1	424.6	424.4	424.1	423.8	423.6	423.3	423.0	422.7	422.4	422.1
157.5°	437.2	436.6	436.4	436.2	436.0	435.9	435.8	435.6	435.4	435.2	435.1
160°	444.5	444.0	443.9	443.8	443.7	443.6	443.5	443.4	443.2	443.0	442.8
162.5°	451.0	450.5	450.4	450.3	450.2	450.1	450.0	450.0	450.0	450.0	449.9
165°	459.6	459.0	459.0	459.0	459.0	459.0	459.0	459.1	459.1	459.2	459.3
167.5°	466.6	466.0	466.0	466.0	466.0	466.0	466.2	466.5	466.7	467.0	467.3
170°	470.5	469.8	469.9	470.0	470.1	470.2	470.4	470.6	470.9	471.2	471.4
172.5°	473.4	472.8	472.9	473.0	473.1	473.1	473.3	473.6	473.9	474.1	474.4
175°	476.5	475.9	476.1	476.3	476.4	476.6	476.9	477.2	477.4	477.7	478.0
177.5°	478.2	477.8	477.9	478.0	478.2	478.3	478.5	478.8	478.9	479.2	479.4
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



TEST NUMBER: P331826-940

CATALOG NUMBER: S122RDIW-S865D435U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1712.7	1714.1	1723.6	1727.9	1736.4	1739.7	1743.5	1742.6	1742.6	1744.5	1757.7
5°	1716.4	1728.2	1746.0	1763.2	1779.7	1793.9	1803.4	1812.8	1816.4	1833.5	1849.0
7.5°	1710.2	1732.1	1761.4	1787.5	1818.9	1843.3	1863.8	1882.0	1894.6	1919.6	1945.2
10°	1702.2	1733.0	1766.1	1799.8	1843.0	1875.5	1908.7	1934.1	1942.4	1979.7	2001.0
12.5°	1686.1	1727.2	1769.4	1813.1	1855.3	1900.1	1936.6	1962.0	1991.2	2024.6	2064.0
15°	1662.0	1709.3	1764.3	1820.5	1880.9	1935.3	1974.3	2018.7	2050.7	2087.4	2121.6
17.5°	1627.3	1688.3	1758.2	1823.3	1893.1	1951.5	2005.3	2047.8	2070.3	2091.2	2096.3
20°	1599.8	1665.5	1747.8	1824.7	1894.5	1961.9	2015.2	2050.7	2056.6	2057.2	2025.9
22.5°	1570.0	1644.2	1730.3	1809.0	1892.6	1967.6	2009.0	2024.2	2000.7	1960.6	1900.0
25°	1515.2	1601.1	1701.0	1790.9	1882.0	1953.0	1967.3	1940.6	1858.4	1772.0	1662.6
27.5°	1455.8	1552.3	1659.5	1759.4	1856.5	1900.5	1869.9	1773.9	1625.8	1497.0	1341.0
30°	1412.3	1520.5	1625.9	1737.7	1827.7	1846.6	1776.2	1634.8	1462.0	1267.9	1112.3
32.5°	1362.6	1476.0	1591.8	1707.4	1782.7	1764.2	1647.9	1473.8	1271.2	1080.5	933.4
35°	1291.6	1408.7	1533.6	1649.6	1697.5	1617.6	1443.7	1217.0	1010.0	831.9	730.7
37.5°	1209.6	1337.1	1467.0	1573.4	1570.0	1436.9	1200.0	966.1	792.0	686.7	614.7
40°	1151.4	1280.3	1420.6	1510.5	1472.0	1298.7	1041.9	821.2	694.0	610.0	557.3
42.5°	1095.6	1224.9	1364.2	1435.7	1368.9	1155.7	899.9	727.0	622.1	556.5	513.8
45°	1000.5	1137.2	1266.1	1305.8	1186.2	951.4	727.7	602.4	532.5	483.9	454.4
47.5°	907.6	1042.1	1159.8	1160.5	998.8	771.5	613.9	521.3	461.6	424.1	402.6
50°	850.8	978.6	1077.4	1062.0	878.6	686.3	549.0	469.2	419.5	390.5	368.0
52.5°	786.9	910.9	996.5	952.7	776.9	604.0	490.8	423.7	382.5	357.4	337.2
55°	694.0	804.1	864.4	798.2	633.6	502.3	414.7	362.1	331.4	310.0	292.8
57.5°	602.8	693.6	731.6	654.3	521.9	416.5	350.9	311.3	280.8	265.6	256.6
60°	545.5	623.0	649.6	564.5	453.8	364.4	310.6	273.9	251.5	241.4	232.6
62.5°	489.2	552.5	563.5	485.4	395.6	319.1	272.8	241.7	226.9	217.2	208.8
65°	405.9	451.5	446.1	383.4	313.0	253.2	219.5	200.5	189.3	175.8	161.0
67.5°	334.1	361.9	345.2	298.2	238.9	196.8	174.8	160.4	146.5	133.6	130.2
70°	288.7	304.7	287.0	243.8	195.8	165.1	147.3	130.2	121.9	119.0	113.6
72.5°	245.2	250.7	231.6	194.6	159.3	136.7	119.4	109.8	105.3	102.8	99.4
75°	184.0	179.9	163.3	134.3	110.7	95.2	90.0	86.4	83.5	81.1	79.3
77.5°	129.2	123.1	108.4	89.4	77.0	69.7	66.5	64.6	63.2	62.0	60.2
80°	97.0	92.9	78.1	63.9	58.6	55.0	53.2	50.9	50.9	49.7	47.9
82.5°	71.0	66.3	53.5	46.8	43.9	41.7	40.5	39.1	38.6	38.8	37.5
85°	37.3	30.1	26.7	25.4	23.6	22.5	23.1	21.8	21.8	21.8	21.3
87.5°	11.7	9.5	9.3	9.0	9.8	10.2	10.1	10.5	11.3	10.9	11.2
90°	1.5	2.6	3.7	4.7	6.2	8.2	10.2	12.1	14.2	14.0	13.8
92.5°	8.0	8.7	9.5	10.3	11.0	11.4	11.9	12.4	12.8	12.8	12.9
95°	21.9	22.8	23.7	24.6	25.1	25.3	25.5	25.7	25.9	25.9	25.9
97.5°	39.1	39.9	40.8	41.6	42.1	42.4	42.8	43.2	43.4	43.4	43.4
100°	52.0	52.7	53.5	54.2	54.7	54.9	55.2	55.5	55.7	55.7	55.7
102.5°	65.5	66.0	66.6	67.1	67.7	67.9	68.3	68.7	69.0	69.1	69.1
105°	87.1	87.4	87.7	87.9	88.2	88.4	88.5	88.7	88.9	89.1	89.3
107.5°	109.4	109.8	110.2	110.6	110.8	110.8	110.8	110.8	110.8	110.8	110.9
110°	123.8	124.3	124.8	125.4	125.6	125.6	125.6	125.6	125.6	125.6	125.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	139.3	139.8	140.4	140.9	141.2	141.1	141.0	140.9	140.8	140.6	140.4
115°	162.1	162.6	163.2	163.7	163.9	163.7	163.5	163.4	163.2	163.1	163.0
117.5°	185.1	185.8	186.5	187.3	187.3	186.9	186.4	185.8	185.4	185.1	184.9
120°	200.3	201.0	201.7	202.4	202.4	201.7	201.0	200.3	199.6	199.6	199.6
122.5°	214.4	215.2	216.1	217.0	217.1	216.6	216.1	215.6	215.1	214.9	214.6
125°	235.9	236.7	237.6	238.4	238.6	238.4	238.1	237.8	237.6	237.3	237.0
127.5°	257.3	258.2	259.3	260.3	260.6	260.4	260.0	259.7	259.4	259.0	258.7
130°	270.6	271.8	273.0	274.1	274.6	274.5	274.3	274.1	273.9	273.8	273.6
132.5°	285.3	286.2	287.2	288.1	288.6	288.6	288.7	288.7	288.7	288.4	288.0
135°	305.2	306.2	307.2	308.2	308.7	308.9	309.1	309.2	309.4	309.3	309.2
137.5°	325.9	326.7	327.5	328.3	328.9	329.1	329.4	329.6	329.8	329.8	329.7
140°	338.6	339.4	340.2	341.0	341.6	342.1	342.5	343.0	343.4	343.4	343.4
142.5°	351.5	352.3	353.1	353.9	354.5	354.7	355.1	355.3	355.7	355.8	355.8
145°	369.9	370.5	371.1	371.8	372.4	372.9	373.4	374.0	374.5	374.6	374.7
147.5°	386.6	387.4	388.1	388.9	389.4	389.8	390.1	390.5	390.8	391.0	391.2
150°	397.7	398.2	398.8	399.3	399.8	400.1	400.5	400.8	401.2	401.4	401.7
152.5°	407.7	408.2	408.8	409.3	409.8	410.2	410.6	411.1	411.5	411.9	412.1
155°	422.4	422.7	423.0	423.3	423.6	423.8	424.1	424.4	424.6	425.1	425.5
157.5°	435.2	435.4	435.6	435.8	435.9	436.0	436.2	436.4	436.6	437.2	437.7
160°	443.0	443.2	443.4	443.5	443.6	443.7	443.8	443.9	444.0	444.5	445.1
162.5°	450.0	450.0	450.0	450.0	450.1	450.2	450.3	450.4	450.5	451.0	451.7
165°	459.2	459.1	459.1	459.0	459.0	459.0	459.0	459.0	459.0	459.6	460.2
167.5°	467.0	466.7	466.5	466.2	466.0	466.0	466.0	466.0	466.0	466.6	467.3
170°	471.2	470.9	470.6	470.4	470.2	470.1	470.0	469.9	469.8	470.5	471.1
172.5°	474.1	473.9	473.6	473.3	473.1	473.1	473.0	472.9	472.8	473.4	474.0
175°	477.7	477.4	477.2	476.9	476.6	476.4	476.3	476.1	475.9	476.5	477.2
177.5°	479.2	478.9	478.8	478.5	478.3	478.2	478.0	477.9	477.8	478.2	478.7
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1762.5	1768.6	1771.4	1771.4	1774.8	1773.3	1771.9
5°	1863.8	1875.0	1877.3	1888.0	1895.7	1893.3	1894.5
7.5°	1964.4	1982.5	2000.4	2008.6	2009.8	2014.6	2016.3
10°	2026.4	2041.2	2069.0	2064.8	2085.6	2097.4	2077.9
12.5°	2086.1	2106.0	2125.4	2130.7	2142.4	2146.2	2138.5
15°	2140.0	2150.7	2151.9	2148.9	2152.4	2149.5	2138.2
17.5°	2089.6	2072.3	2037.3	2020.7	2007.6	1988.2	1980.4
20°	2006.3	1955.4	1896.2	1872.6	1844.8	1790.4	1803.4
22.5°	1826.5	1768.4	1709.3	1640.2	1607.2	1555.6	1552.5
25°	1546.6	1446.6	1336.6	1259.6	1214.7	1163.2	1140.7
27.5°	1202.5	1076.6	986.4	940.8	899.2	858.4	856.8
30°	976.2	881.5	811.7	772.7	747.3	730.1	733.7
32.5°	822.9	758.0	711.0	678.5	659.7	646.8	646.6
35°	672.7	628.3	598.2	584.5	571.0	561.5	562.0
37.5°	575.7	549.0	532.3	517.2	508.7	504.1	501.5
40°	526.0	504.1	491.1	482.2	475.1	468.6	467.4
42.5°	486.7	468.6	455.6	448.6	441.9	437.4	436.1
45°	431.9	417.1	405.3	397.6	394.7	390.5	390.5
47.5°	384.2	369.7	360.4	355.6	350.5	347.8	347.7
50°	352.0	340.8	332.5	329.6	325.4	323.6	323.1
52.5°	323.2	314.8	308.9	306.8	305.1	302.8	303.2
55°	284.0	279.3	276.9	275.1	272.2	268.6	271.0
57.5°	251.0	246.9	240.6	235.0	232.3	229.8	230.8
60°	227.8	219.5	211.2	204.7	203.0	197.6	197.6
62.5°	198.4	186.8	176.6	173.0	171.2	168.7	168.3
65°	152.7	147.9	145.5	143.2	142.0	142.0	140.8
67.5°	126.5	124.6	122.0	121.5	120.2	119.8	119.5
70°	111.8	109.4	108.3	107.7	106.5	107.1	105.3
72.5°	97.6	95.8	95.5	94.0	93.3	93.4	92.0
75°	77.0	77.0	76.3	75.7	74.5	73.9	74.5
77.5°	59.2	59.3	58.2	58.1	58.0	58.1	57.5
80°	47.3	47.9	47.3	46.7	46.2	46.7	46.2
82.5°	37.4	36.6	36.5	36.3	36.2	35.8	35.8
85°	21.3	21.8	21.3	20.7	20.7	20.7	21.3
87.5°	10.8	10.7	10.7	10.7	10.8	10.8	10.3
90°	13.6	13.5	13.4	13.5	13.6	13.6	13.7
92.5°	12.9	13.0	13.0	13.0	13.0	13.1	13.1
95°	25.9	25.9	25.8	25.6	25.4	25.2	25.1
97.5°	43.4	43.4	43.4	43.4	43.4	43.4	43.4
100°	55.7	55.7	55.7	55.6	55.6	55.5	55.4
102.5°	69.2	69.3	69.3	69.2	69.1	69.0	68.9
105°	89.4	89.6	89.7	89.7	89.7	89.7	89.7
107.5°	111.0	111.1	110.9	110.5	110.0	109.7	109.2
110°	125.6	125.6	125.5	125.2	124.9	124.7	124.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	140.2	140.0	139.7	139.6	139.4	139.2	139.0
115°	162.9	162.8	162.6	162.4	162.1	161.8	161.6
117.5°	184.7	184.5	184.2	184.0	183.7	183.4	183.2
120°	199.6	199.6	199.5	199.2	198.9	198.7	198.4
122.5°	214.5	214.2	214.0	213.8	213.7	213.4	213.2
125°	236.7	236.5	236.3	236.2	236.1	236.0	235.9
127.5°	258.4	258.1	257.8	257.4	257.2	256.9	256.6
130°	273.4	273.2	273.0	272.6	272.2	271.9	271.5
132.5°	287.6	287.2	286.9	286.6	286.2	286.0	285.7
135°	309.2	309.1	308.9	308.6	308.4	308.1	307.8
137.5°	329.6	329.6	329.3	329.0	328.6	328.2	327.9
140°	343.4	343.4	343.2	342.9	342.5	342.1	341.8
142.5°	355.9	356.0	355.8	355.4	355.1	354.7	354.4
145°	374.8	374.9	374.7	374.3	374.0	373.6	373.3
147.5°	391.5	391.6	391.6	391.2	390.8	390.5	390.2
150°	402.0	402.3	402.3	402.0	401.7	401.4	401.2
152.5°	412.5	412.9	412.9	412.5	412.1	411.9	411.5
155°	426.0	426.4	426.5	426.2	426.0	425.7	425.4
157.5°	438.4	439.0	439.1	438.6	438.2	437.8	437.4
160°	445.6	446.1	446.2	445.9	445.5	445.1	444.8
162.5°	452.3	452.9	453.0	452.5	452.1	451.7	451.3
165°	460.8	461.5	461.5	461.1	460.7	460.2	459.8
167.5°	467.9	468.5	468.6	468.1	467.6	467.2	466.7
170°	471.7	472.3	472.4	471.9	471.4	470.8	470.3
172.5°	474.7	475.3	475.3	474.7	474.2	473.7	473.1
175°	477.8	478.4	478.5	478.0	477.4	476.9	476.4
177.5°	479.0	479.5	479.5	479.0	478.7	478.2	477.8
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8

(END OF REPORT)