

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: P331659-927

Luminaire Tested: **S122RDIP-S485D725U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331659-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S485D725U927-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3715.1 lumens  
Efficiency: N/A  
Efficacy: 96.7 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-Indirect

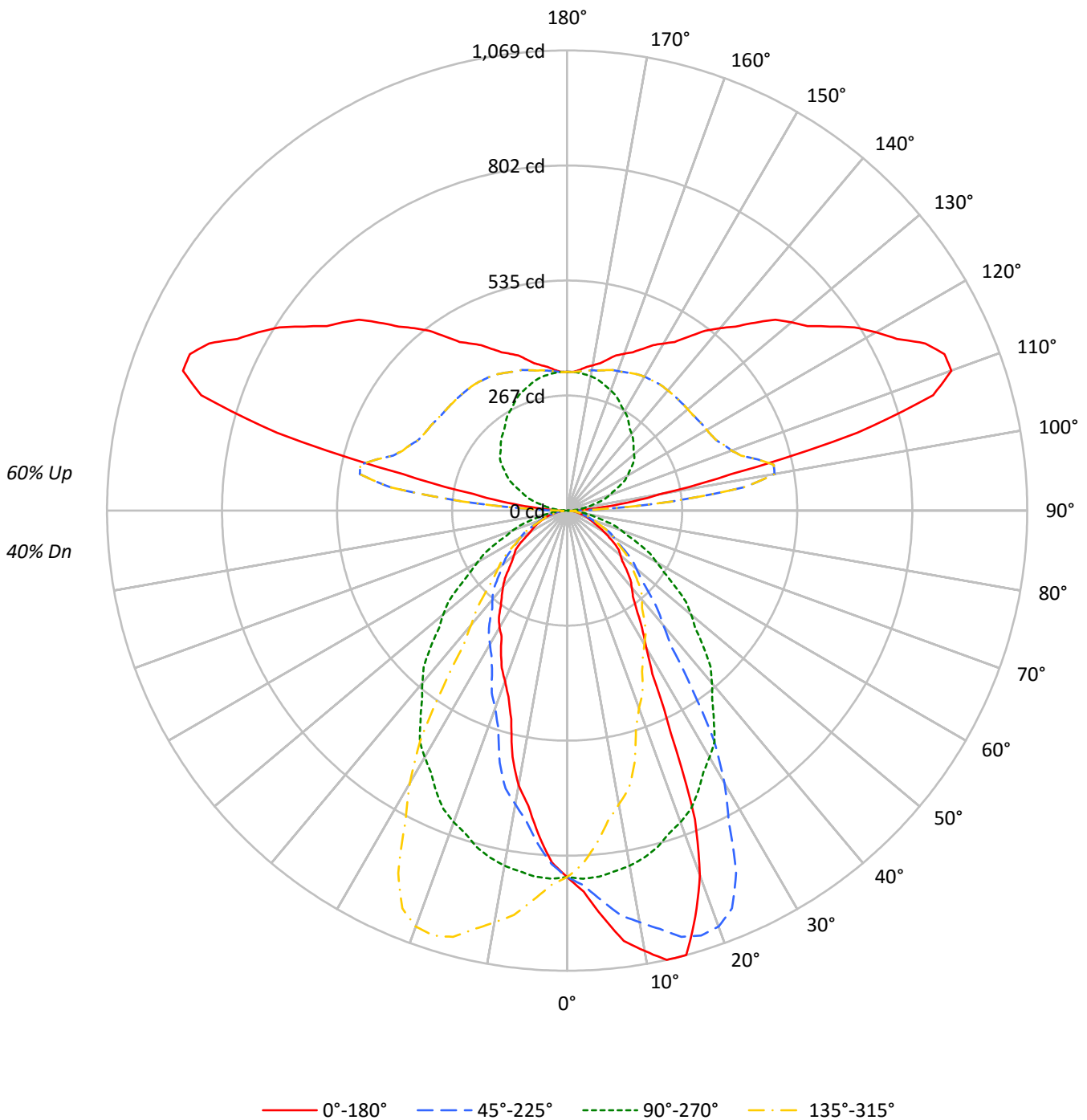
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35
2	88	81	75	71	80	74	69	65	61	58	55	49	47	45	38	36	35	30
3	81	72	65	60	73	66	60	55	54	50	47	44	41	39	34	32	31	26
4	74	64	57	51	67	59	52	47	49	44	40	40	36	34	31	29	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24	21
6	63	52	44	39	57	48	41	36	40	35	31	33	29	26	26	23	22	19
7	58	47	39	34	53	43	37	32	36	31	28	30	26	24	24	21	19	17
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	26	31	26	22	25	22	19	21	18	16	14
10	47	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15	13

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

	0°	90°	180°	270°
0°	13747	13747	13747	13747
5°	15352	13833	12266	13833
10°	17033	13736	10632	13736
15°	17870	13534	8376	13534
20°	15493	13235	7247	13235
25°	10162	12827	6472	12827
30°	6840	12333	5858	12333
35°	5541	11710	5282	11710
40°	4926	11030	4890	11030
45°	4459	10234	4364	10234
50°	4057	9445	4042	9445
55°	3814	8569	3764	8569
60°	3190	7766	3152	7766
65°	2690	7053	3053	7053
70°	2488	6297	2875	6297
75°	2327	5483	2658	5483
80°	2148	4510	2362	4510
85°	1964	3575	2075	3575



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.7	2.2
10°-20°	224.9	6.1
20°-30°	289.8	7.8
30°-40°	275.4	7.4
40°-50°	235.9	6.4
50°-60°	179.7	4.8
60°-70°	113.6	3.1
70°-80°	56.7	1.5
80°-90°	17.7	0.5
90°-100°	128.7	3.5
100°-110°	436.9	11.8
110°-120°	464.2	12.5
120°-130°	382.1	10.3
130°-140°	306.8	8.3
140°-150°	231.9	6.2
150°-160°	163.0	4.4
160°-170°	95.9	2.6
170°-180°	31.2	0.8
0°-30°	595.4	16.0
0°-40°	870.8	23.4
0°-60°	1286.4	34.6
0°-90°	1474.3	39.7
90°-120°	1029.8	27.7
90°-150°	1950.7	52.5
90°-180°	2241.0	60.3
0°-180°	3715.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	851	851	851	851	851	
5°	947	854	757	854	947	93
15°	1069	810	501	810	1069	288
25°	570	720	363	720	570	271
35°	281	594	268	594	281	180
45°	195	448	191	448	195	151
55°	136	304	134	304	136	119
65°	70	185	80	185	70	72
75°	37	88	43	88	37	40
85°	11	19	11	19	11	12
90°	20	1	20	1	20	11
95°	71	22	71	22	71	92
105°	698	76	698	76	698	675
115°	918	133	918	133	918	899
125°	745	186	745	186	745	673
135°	617	218	617	218	617	480
145°	493	249	493	249	493	313
155°	414	283	414	283	414	193
165°	364	308	364	308	364	104
175°	328	321	328	321	328	32
180°	322	322	322	322	322	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	886.0	886.7	887.4	885.7	885.7	884.3	881.2	878.8	872.2	871.2	871.2
5°	947.2	946.7	947.8	944.0	938.7	937.5	931.8	924.5	916.8	908.2	906.4
7.5°	1008.2	1007.3	1005.0	1004.2	1000.2	991.3	982.2	972.6	959.8	947.3	941.0
10°	1038.9	1048.7	1042.8	1032.5	1034.5	1020.6	1013.2	1000.5	989.8	971.2	967.1
12.5°	1069.2	1073.1	1071.2	1065.3	1062.7	1053.0	1043.1	1032.0	1012.3	995.6	981.0
15°	1069.1	1074.8	1076.3	1074.4	1075.9	1075.3	1070.0	1060.8	1043.7	1025.3	1009.4
17.5°	990.2	994.1	1003.8	1010.3	1018.7	1036.2	1044.8	1048.2	1045.6	1035.1	1023.9
20°	901.7	895.2	922.4	936.3	948.2	977.7	1003.1	1012.9	1028.6	1028.3	1025.3
22.5°	776.3	777.8	803.6	820.1	854.7	884.2	913.2	950.0	980.3	1000.4	1012.1
25°	570.4	581.6	607.4	629.8	668.3	723.3	773.3	831.3	886.0	929.2	970.3
27.5°	428.3	429.2	449.6	470.4	493.2	538.3	601.3	670.5	748.5	812.9	886.9
30°	366.9	365.0	373.7	386.3	405.9	440.8	488.1	556.2	634.0	731.0	817.4
32.5°	323.3	323.4	329.9	339.3	355.5	379.0	411.5	466.7	540.3	635.6	736.9
35°	281.1	280.7	285.5	292.3	299.0	314.2	336.4	365.4	416.0	505.0	608.6
37.5°	250.7	252.1	254.4	258.6	266.1	274.5	287.9	307.3	343.3	396.0	483.0
40°	233.7	234.3	237.6	241.1	245.6	252.1	263.0	278.7	305.0	347.0	410.6
42.5°	218.1	218.6	221.0	224.3	227.8	234.3	243.4	256.9	278.3	311.0	363.5
45°	195.3	195.3	197.3	198.8	202.6	208.6	215.9	227.2	242.0	266.3	301.2
47.5°	173.8	173.9	175.2	177.8	180.2	184.8	192.1	201.3	212.1	230.8	260.6
50°	161.5	161.8	162.7	164.8	166.3	170.4	176.0	184.0	195.3	209.8	234.6
52.5°	151.5	151.4	152.5	153.4	154.4	157.4	161.6	168.7	178.7	191.3	211.9
55°	135.5	134.3	136.1	137.5	138.5	139.7	142.0	146.5	155.0	165.6	181.0
57.5°	115.3	114.9	116.1	117.5	120.3	123.5	125.5	128.3	132.8	140.4	155.7
60°	98.8	98.8	101.5	102.3	105.6	109.7	113.9	116.3	120.7	125.7	137.0
62.5°	84.1	84.4	85.6	86.5	88.3	93.4	99.3	104.4	108.6	113.4	120.9
65°	70.4	71.0	71.0	71.6	72.8	74.0	76.3	80.5	87.9	94.7	100.3
67.5°	59.7	60.0	60.1	60.7	61.0	62.3	63.2	65.1	66.8	73.3	80.2
70°	52.7	53.6	53.2	53.9	54.1	54.7	55.9	56.8	59.5	60.9	65.1
72.5°	46.0	46.7	46.7	47.0	47.8	47.8	48.8	49.7	51.4	52.7	54.9
75°	37.3	37.0	37.3	37.9	38.2	38.4	38.4	39.6	40.6	41.7	43.2
77.5°	28.8	29.1	29.0	29.1	29.1	29.6	29.5	30.1	31.0	31.6	32.3
80°	23.1	23.4	23.1	23.4	23.7	23.9	23.7	23.9	24.9	25.4	25.4
82.5°	17.9	17.9	18.1	18.1	18.2	18.3	18.7	18.8	19.4	19.3	19.5
85°	10.6	10.4	10.4	10.4	10.6	10.9	10.6	10.6	10.9	10.9	10.9
87.5°	7.8	8.1	8.1	8.1	8.1	8.0	7.8	8.2	8.1	8.5	8.1
90°	20.4	20.4	20.4	20.4	20.4	19.8	18.6	19.8	20.4	21.1	20.4
92.5°	34.3	35.3	34.8	36.8	37.3	41.1	46.3	54.0	68.0	80.5	79.4
95°	70.6	69.9	71.9	76.8	84.8	98.5	124.5	162.2	212.4	242.7	214.9
97.5°	138.9	144.2	153.2	168.4	198.0	242.7	309.7	378.6	434.7	414.4	312.1
100°	221.7	232.8	250.8	277.4	328.8	403.8	488.6	565.4	578.4	489.2	336.8
102.5°	390.1	405.2	427.6	473.1	528.9	608.3	670.4	687.8	631.8	491.7	327.5
105°	697.9	706.5	733.2	771.6	810.0	830.4	822.4	752.4	623.6	458.8	309.0
107.5°	891.4	903.0	908.3	910.5	905.6	875.6	811.2	705.8	569.2	423.7	299.8
110°	949.9	950.5	945.0	933.2	906.6	855.8	776.6	665.7	535.0	406.9	297.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	949.0	945.6	935.1	915.4	878.4	820.1	735.4	629.1	511.3	395.9	298.3
115°	918.4	912.8	896.7	868.2	824.2	760.4	679.3	583.9	481.8	384.0	301.0
117.5°	863.7	859.0	842.1	812.0	767.1	707.3	633.7	550.0	463.2	378.1	305.4
120°	828.5	822.4	804.4	775.3	732.0	675.6	610.0	533.1	453.3	374.6	308.4
122.5°	791.9	786.7	770.7	742.1	703.2	652.3	590.2	519.8	444.9	372.6	311.9
125°	745.0	740.0	724.5	701.0	665.0	618.6	564.1	500.3	432.8	369.1	317.0
127.5°	703.9	699.9	686.5	664.5	633.1	590.3	538.8	481.2	421.7	366.9	322.4
130°	680.6	675.6	663.2	642.1	611.8	570.9	522.0	468.7	414.3	366.0	326.4
132.5°	656.2	651.8	640.4	619.4	589.5	551.1	506.2	456.9	408.4	365.5	330.3
135°	617.4	614.9	603.8	583.4	556.7	522.0	481.2	440.3	400.1	364.7	335.0
137.5°	579.2	575.5	565.8	548.2	523.9	493.7	461.2	427.1	394.2	364.6	339.2
140°	553.0	549.3	540.0	523.9	504.1	476.8	448.4	418.6	390.8	364.1	341.2
142.5°	526.7	526.0	517.7	503.1	484.3	461.4	437.0	411.7	387.3	364.1	342.7
145°	492.9	491.1	484.9	474.4	459.5	441.6	422.3	401.9	382.7	362.9	344.3
147.5°	464.5	463.4	459.2	450.8	438.6	425.4	410.4	394.3	378.0	360.7	344.8
150°	447.7	447.1	443.4	435.9	426.7	415.5	402.5	388.9	374.0	359.2	344.3
152.5°	433.3	433.2	430.5	424.1	416.8	407.1	396.1	383.4	370.6	356.7	343.3
155°	414.3	415.5	413.0	408.7	401.9	395.1	385.8	375.9	364.1	352.4	341.8
157.5°	398.1	398.1	397.0	393.3	388.5	383.2	375.4	367.1	358.1	347.9	339.0
160°	387.6	387.6	387.1	384.0	379.6	375.3	368.4	361.6	353.6	344.9	337.5
162.5°	377.7	378.3	377.6	375.5	371.2	367.8	362.0	356.2	349.6	342.5	336.0
165°	363.5	364.1	364.1	361.6	359.2	356.7	352.4	348.0	343.1	337.5	333.2
167.5°	350.4	351.1	351.3	349.9	348.8	346.5	343.6	340.2	336.6	333.2	330.3
170°	342.5	343.6	344.3	342.5	341.8	340.6	338.1	336.3	333.2	330.7	328.8
172.5°	336.0	336.8	337.4	336.5	335.9	335.2	333.2	331.8	329.7	327.7	326.9
175°	327.6	328.8	329.5	328.8	328.8	328.2	327.6	326.9	325.1	324.5	323.8
177.5°	322.5	323.5	324.0	324.0	324.0	324.0	323.5	323.5	322.5	322.0	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	871.7	869.9	868.2	864.0	861.8	857.1	856.3	856.1	850.0	844.1	842.4
5°	901.7	897.0	889.9	881.5	873.0	864.1	858.2	853.5	841.6	830.4	823.9
7.5°	931.8	921.7	909.4	893.7	880.7	866.0	855.2	845.3	828.5	812.5	801.6
10°	954.3	937.8	921.5	899.9	883.0	866.5	851.1	837.8	818.9	797.6	782.4
12.5°	968.3	950.1	927.6	906.6	884.7	863.6	843.0	825.9	803.7	781.7	763.7
15°	987.2	967.7	940.5	910.3	882.2	854.7	831.0	809.7	780.7	754.4	732.5
17.5°	1002.7	975.7	946.5	911.6	879.1	844.1	813.7	786.4	754.2	722.4	696.6
20°	1007.6	981.0	947.2	912.4	873.9	832.7	799.9	770.3	735.7	701.1	671.5
22.5°	1004.5	983.8	946.3	904.5	865.1	822.1	785.1	750.7	712.3	677.0	642.7
25°	983.7	976.5	941.0	895.5	850.5	800.5	757.6	720.0	676.3	638.4	601.1
27.5°	934.9	950.3	928.3	879.7	829.7	776.1	727.9	685.2	639.7	597.1	559.9
30°	888.1	923.3	913.8	868.9	812.9	760.3	706.2	661.5	613.0	569.2	532.5
32.5°	823.9	882.1	891.4	853.7	795.9	738.0	681.3	636.8	586.2	540.0	504.3
35°	721.8	808.8	848.7	824.7	766.8	704.4	645.8	594.1	543.1	497.6	462.1
37.5°	600.0	718.4	785.1	786.7	733.5	668.6	604.8	553.4	501.3	456.6	418.2
40°	520.9	649.4	736.0	755.3	710.3	640.2	575.7	523.3	472.5	428.6	384.6
42.5°	450.0	577.9	684.4	717.9	682.1	612.5	547.8	493.1	443.5	402.1	357.1
45°	363.8	475.7	593.1	652.9	633.1	568.5	500.3	448.2	401.7	365.9	322.7
47.5°	307.0	385.8	499.4	580.3	579.9	521.0	453.8	403.9	360.8	327.3	292.3
50°	274.5	343.2	439.3	531.0	538.7	489.3	425.4	376.0	335.8	300.6	272.4
52.5°	245.4	302.0	388.4	476.3	498.2	455.4	393.5	347.8	308.8	276.4	252.3
55°	207.4	251.1	316.9	399.1	432.2	402.0	347.0	304.4	272.7	245.6	224.8
57.5°	175.4	208.3	260.9	327.2	365.8	346.7	301.4	266.8	239.7	215.1	198.8
60°	155.3	182.2	226.9	282.3	324.8	311.5	272.7	240.5	217.5	196.1	180.8
62.5°	136.4	159.5	197.8	242.7	281.8	276.2	244.6	217.5	197.3	177.9	164.9
65°	109.7	126.6	156.5	191.7	223.1	225.7	203.0	184.6	166.5	151.1	139.7
67.5°	87.4	98.4	119.5	149.1	172.6	181.0	167.1	153.0	138.7	126.8	116.8
70°	73.7	82.5	97.9	121.9	143.5	152.3	144.3	133.4	121.0	111.2	102.7
72.5°	59.7	68.4	79.7	97.3	115.8	125.4	122.6	114.7	104.6	96.6	88.5
75°	45.0	47.6	55.3	67.2	81.7	89.9	92.0	87.9	79.9	73.7	68.9
77.5°	33.3	34.9	38.5	44.8	54.2	61.6	64.6	64.2	58.6	55.1	50.6
80°	26.6	27.5	29.3	31.9	39.1	46.4	48.5	48.5	44.7	43.2	38.7
82.5°	20.2	20.9	21.9	23.4	26.8	33.2	35.5	36.0	33.5	31.6	28.1
85°	11.6	11.2	11.8	12.8	13.3	15.1	18.6	19.3	18.6	16.2	15.4
87.5°	7.4	6.7	6.1	5.5	5.5	5.5	6.2	7.0	6.4	6.2	5.9
90°	16.7	12.4	9.3	7.4	6.2	5.0	2.5	0.6	2.5	5.0	6.2
92.5°	61.8	42.1	28.1	22.3	18.1	15.4	10.9	7.5	10.9	15.4	18.1
95°	143.1	89.2	60.7	45.8	35.9	30.3	24.2	21.7	24.2	30.3	35.9
97.5°	192.7	117.6	81.8	65.0	53.6	45.2	38.7	35.3	38.7	45.2	53.6
100°	203.1	127.5	94.7	77.4	65.0	55.1	49.5	47.7	49.5	55.1	65.0
102.5°	203.6	136.5	106.2	88.8	75.9	66.0	60.4	59.1	60.4	66.0	75.9
105°	206.8	151.7	122.6	105.3	91.7	82.4	78.0	75.6	78.0	82.4	91.7
107.5°	215.4	167.3	139.1	121.6	108.1	99.6	95.4	93.4	95.4	99.6	108.1
110°	222.3	177.7	150.5	132.5	119.5	111.5	107.7	105.3	107.7	111.5	119.5





TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	229.7	187.7	161.4	142.9	130.4	122.9	118.7	116.1	118.7	122.9	130.4
115°	240.9	203.1	176.5	159.8	147.3	140.0	136.3	133.2	136.3	140.0	147.3
117.5°	252.8	217.4	192.7	175.4	163.5	156.9	153.2	150.8	153.2	156.9	163.5
120°	260.7	227.3	203.1	185.8	173.4	167.8	164.1	161.6	164.1	167.8	173.4
122.5°	267.7	236.7	214.0	196.1	183.8	177.7	174.0	172.1	174.0	177.7	183.8
125°	278.7	250.8	228.5	211.2	198.8	191.3	187.7	185.8	187.7	191.3	198.8
127.5°	288.9	264.0	242.2	224.4	212.5	204.4	199.2	196.7	199.2	204.4	212.5
130°	295.4	271.9	250.2	232.8	220.5	211.8	205.6	203.1	205.6	211.8	220.5
132.5°	301.8	278.8	258.1	240.7	227.9	218.7	212.1	209.1	212.1	218.7	227.9
135°	310.2	288.6	268.8	251.4	237.2	227.9	220.5	218.0	220.5	227.9	237.2
137.5°	316.7	296.5	276.9	260.9	246.7	236.8	229.3	226.4	229.3	236.8	246.7
140°	320.1	301.0	282.4	266.3	252.6	242.7	235.3	232.8	235.3	242.7	252.6
142.5°	323.1	304.4	286.4	271.2	258.1	248.2	241.3	239.2	241.3	248.2	258.1
145°	326.9	309.7	292.9	279.2	266.9	257.6	251.4	248.9	251.4	257.6	266.9
147.5°	329.1	313.9	298.1	286.0	275.7	267.1	261.2	259.4	261.2	267.1	275.7
150°	330.0	315.8	301.6	290.4	281.1	273.1	268.2	266.3	268.2	273.1	281.1
152.5°	330.6	317.8	305.1	294.9	286.1	279.0	274.1	273.2	274.1	279.0	286.1
155°	331.3	320.8	310.2	301.0	294.1	287.3	283.6	283.0	283.6	287.3	294.1
157.5°	331.3	322.9	313.9	306.2	300.7	294.8	291.8	291.2	291.8	294.8	300.7
160°	331.3	323.8	316.4	309.7	304.7	299.7	297.2	296.6	297.2	299.7	304.7
162.5°	330.8	324.4	317.9	312.6	308.2	304.2	301.7	302.1	301.7	304.2	308.2
165°	329.5	325.1	319.6	315.8	312.8	309.0	307.8	308.4	307.8	309.0	312.8
167.5°	328.6	325.0	320.9	318.5	316.3	313.9	312.8	313.6	312.8	313.9	316.3
170°	327.6	324.5	321.4	319.6	318.3	316.4	315.8	317.0	315.8	316.4	318.3
172.5°	326.1	324.0	321.9	320.5	319.8	317.9	318.3	319.0	318.3	317.9	319.8
175°	324.5	323.2	322.0	321.4	321.4	320.1	320.8	321.4	320.8	320.1	321.4
177.5°	323.5	322.5	322.0	322.0	322.0	321.0	321.5	322.5	321.5	321.0	322.0
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	839.3	837.7	834.6	829.9	827.0	822.0	818.7	820.6	821.1	820.6	820.1
5°	816.8	810.6	802.0	793.7	786.0	777.8	773.0	771.0	766.8	764.5	763.3
7.5°	789.5	778.8	766.7	752.3	740.0	727.1	720.6	717.3	708.8	704.3	700.2
10°	769.1	752.3	740.1	721.2	709.7	692.8	681.3	681.6	670.0	663.5	658.8
12.5°	746.7	728.2	708.0	690.9	674.9	661.4	647.5	641.8	629.5	623.3	610.5
15°	709.4	687.8	666.5	643.4	627.2	606.2	586.1	561.5	541.7	524.5	519.8
17.5°	668.7	642.0	620.6	593.5	565.6	530.3	507.0	492.7	480.8	471.7	465.0
20°	640.8	613.5	590.8	549.9	512.4	488.4	471.3	460.3	447.9	438.2	432.8
22.5°	611.4	583.0	552.0	506.4	477.1	457.9	442.6	430.0	421.6	414.0	409.2
25°	569.7	538.7	487.5	456.1	432.5	412.4	401.7	394.0	385.2	374.8	370.1
27.5°	525.8	476.3	439.6	416.3	393.7	380.6	371.1	359.6	351.6	347.0	342.1
30°	492.8	443.5	414.8	389.3	373.4	358.9	347.6	341.1	333.4	325.4	322.2
32.5°	456.1	416.7	389.2	368.0	351.8	339.5	330.6	320.0	314.5	309.6	302.8
35°	410.6	380.7	355.6	338.4	323.1	313.0	302.6	296.4	286.4	282.3	279.6
37.5°	372.0	346.1	327.3	309.3	297.1	286.0	279.6	269.7	265.4	259.6	254.0
40°	350.2	324.8	306.8	292.0	278.4	270.1	262.1	254.1	247.6	244.9	238.1
42.5°	328.0	307.3	289.2	273.1	264.0	255.2	245.1	239.2	232.4	228.1	223.9
45°	297.3	279.0	263.6	250.3	240.2	231.1	224.5	214.8	211.0	202.3	198.8
47.5°	270.3	253.3	238.6	225.9	216.1	210.2	200.7	193.0	186.9	181.6	177.1
50°	251.1	236.9	222.8	211.5	202.6	194.1	184.3	180.5	171.0	168.3	165.6
52.5°	233.6	220.1	207.2	196.1	187.3	179.0	170.3	165.3	158.9	156.2	154.3
55°	209.1	196.1	183.7	174.0	165.1	156.5	151.1	145.0	142.0	139.9	137.5
57.5°	184.5	172.9	163.3	153.4	144.5	137.7	131.5	127.8	124.7	122.0	119.1
60°	168.9	157.6	149.1	139.9	130.8	125.2	120.4	116.0	112.4	108.3	107.1
62.5°	152.3	142.5	134.7	125.7	117.7	112.6	108.1	103.9	99.7	93.6	92.0
65°	129.6	121.9	113.6	106.2	99.1	94.1	87.5	82.9	81.0	80.5	80.2
67.5°	109.0	101.7	94.6	87.1	80.6	75.9	72.6	71.9	70.7	70.3	69.5
70°	95.2	88.5	81.4	74.2	68.0	67.2	66.0	64.8	63.3	62.7	62.1
72.5°	82.9	75.9	68.8	63.1	60.4	59.3	58.1	57.0	56.0	55.4	55.1
75°	63.6	57.1	52.4	50.3	48.8	47.9	46.2	45.2	44.7	43.8	43.5
77.5°	45.8	42.1	39.9	38.7	37.1	36.1	35.2	34.2	33.6	33.4	33.0
80°	34.9	33.1	31.7	29.9	29.3	28.1	27.8	26.9	27.3	26.3	26.3
82.5°	27.1	24.9	23.6	22.8	22.2	21.2	20.9	20.5	20.6	20.0	20.0
85°	13.9	13.3	12.8	12.1	12.1	11.2	11.6	11.2	11.2	10.6	10.4
87.5°	6.0	6.1	6.3	7.1	7.8	7.8	7.6	7.3	7.1	7.3	7.1
90°	7.4	9.3	12.4	16.7	20.4	21.1	20.4	19.8	18.6	19.8	20.4
92.5°	22.3	28.1	42.1	61.8	79.4	80.5	68.0	54.0	46.3	41.1	37.3
95°	45.8	60.7	89.2	143.1	214.9	242.7	212.4	162.2	124.5	98.5	84.8
97.5°	65.0	81.8	117.6	192.7	312.1	414.4	434.7	378.6	309.7	242.7	198.0
100°	77.4	94.7	127.5	203.1	336.8	489.2	578.4	565.4	488.6	403.8	328.8
102.5°	88.8	106.2	136.5	203.6	327.5	491.7	631.8	687.8	670.4	608.3	528.9
105°	105.3	122.6	151.7	206.8	309.0	458.8	623.6	752.4	822.4	830.4	810.0
107.5°	121.6	139.1	167.3	215.4	299.8	423.7	569.2	705.8	811.2	875.6	905.6
110°	132.5	150.5	177.7	222.3	297.9	406.9	535.0	665.7	776.6	855.8	906.6



TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.9	161.4	187.7	229.7	298.3	395.9	511.3	629.1	735.4	820.1	878.4
115°	159.8	176.5	203.1	240.9	301.0	384.0	481.8	583.9	679.3	760.4	824.2
117.5°	175.4	192.7	217.4	252.8	305.4	378.1	463.2	550.0	633.7	707.3	767.1
120°	185.8	203.1	227.3	260.7	308.4	374.6	453.3	533.1	610.0	675.6	732.0
122.5°	196.1	214.0	236.7	267.7	311.9	372.6	444.9	519.8	590.2	652.3	703.2
125°	211.2	228.5	250.8	278.7	317.0	369.1	432.8	500.3	564.1	618.6	665.0
127.5°	224.4	242.2	264.0	288.9	322.4	366.9	421.7	481.2	538.8	590.3	633.1
130°	232.8	250.2	271.9	295.4	326.4	366.0	414.3	468.7	522.0	570.9	611.8
132.5°	240.7	258.1	278.8	301.8	330.3	365.5	408.4	456.9	506.2	551.1	589.5
135°	251.4	268.8	288.6	310.2	335.0	364.7	400.1	440.3	481.2	522.0	556.7
137.5°	260.9	276.9	296.5	316.7	339.2	364.6	394.2	427.1	461.2	493.7	523.9
140°	266.3	282.4	301.0	320.1	341.2	364.1	390.8	418.6	448.4	476.8	504.1
142.5°	271.2	286.4	304.4	323.1	342.7	364.1	387.3	411.7	437.0	461.4	484.3
145°	279.2	292.9	309.7	326.9	344.3	362.9	382.7	401.9	422.3	441.6	459.5
147.5°	286.0	298.1	313.9	329.1	344.8	360.7	378.0	394.3	410.4	425.4	438.6
150°	290.4	301.6	315.8	330.0	344.3	359.2	374.0	388.9	402.5	415.5	426.7
152.5°	294.9	305.1	317.8	330.6	343.3	356.7	370.6	383.4	396.1	407.1	416.8
155°	301.0	310.2	320.8	331.3	341.8	352.4	364.1	375.9	385.8	395.1	401.9
157.5°	306.2	313.9	322.9	331.3	339.0	347.9	358.1	367.1	375.4	383.2	388.5
160°	309.7	316.4	323.8	331.3	337.5	344.9	353.6	361.6	368.4	375.3	379.6
162.5°	312.6	317.9	324.4	330.8	336.0	342.5	349.6	356.2	362.0	367.8	371.2
165°	315.8	319.6	325.1	329.5	333.2	337.5	343.1	348.0	352.4	356.7	359.2
167.5°	318.5	320.9	325.0	328.6	330.3	333.2	336.6	340.2	343.6	346.5	348.8
170°	319.6	321.4	324.5	327.6	328.8	330.7	333.2	336.3	338.1	340.6	341.8
172.5°	320.5	321.9	324.0	326.1	326.9	327.7	329.7	331.8	333.2	335.2	335.9
175°	321.4	322.0	323.2	324.5	323.8	324.5	325.1	326.9	327.6	328.2	328.8
177.5°	322.0	322.0	322.5	323.5	322.5	322.0	322.5	323.5	323.5	324.0	324.0
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	817.5	818.0	817.3	817.8	817.3	818.0	817.5	820.1	820.6	821.1	820.6
5°	761.8	758.2	757.6	756.8	757.6	758.2	761.8	763.3	764.5	766.8	771.0
7.5°	695.1	694.6	693.2	691.0	693.2	694.6	695.1	700.2	704.3	708.8	717.3
10°	652.3	650.9	650.5	648.5	650.5	650.9	652.3	658.8	663.5	670.0	681.6
12.5°	602.1	592.6	591.6	586.5	591.6	592.6	602.1	610.5	623.3	629.5	641.8
15°	512.7	510.9	505.0	501.1	505.0	510.9	512.7	519.8	524.5	541.7	561.5
17.5°	461.5	455.7	453.9	453.1	453.9	455.7	461.5	465.0	471.7	480.8	492.7
20°	428.6	423.3	422.5	421.8	422.5	423.3	428.6	432.8	438.2	447.9	460.3
22.5°	405.9	400.4	398.1	396.3	398.1	400.4	405.9	409.2	414.0	421.6	430.0
25°	367.1	365.0	363.8	363.3	363.8	365.0	367.1	370.1	374.8	385.2	394.0
27.5°	336.8	332.2	331.3	329.8	331.3	332.2	336.8	342.1	347.0	351.6	359.6
30°	319.5	318.0	315.9	314.2	315.9	318.0	319.5	322.2	325.4	333.4	341.1
32.5°	299.1	297.9	296.0	295.2	296.0	297.9	299.1	302.8	309.6	314.5	320.0
35°	276.6	272.4	270.7	268.0	270.7	272.4	276.6	279.6	282.3	286.4	296.4
37.5°	252.8	250.6	248.1	249.0	248.1	250.6	252.8	254.0	259.6	265.4	269.7
40°	234.3	232.8	232.2	232.0	232.2	232.8	234.3	238.1	244.9	247.6	254.1
42.5°	219.6	215.6	214.0	214.0	214.0	215.6	219.6	223.9	228.1	232.4	239.2
45°	197.3	193.5	190.8	191.1	190.8	193.5	197.3	198.8	202.3	211.0	214.8
47.5°	174.5	174.4	172.7	173.3	172.7	174.4	174.5	177.1	181.6	186.9	193.0
50°	163.6	161.8	160.7	160.9	160.7	161.8	163.6	165.6	168.3	171.0	180.5
52.5°	153.2	151.6	150.7	151.9	150.7	151.6	153.2	154.3	156.2	158.9	165.3
55°	136.1	134.3	134.0	133.7	134.0	134.3	136.1	137.5	139.9	142.0	145.0
57.5°	117.0	115.8	114.0	113.3	114.0	115.8	117.0	119.1	122.0	124.7	127.8
60°	103.2	100.8	97.9	97.6	97.9	100.8	103.2	107.1	108.3	112.4	116.0
62.5°	90.7	90.2	89.7	89.6	89.7	90.2	90.7	92.0	93.6	99.7	103.9
65°	79.6	79.3	79.6	79.9	79.6	79.3	79.6	80.2	80.5	81.0	82.9
67.5°	69.3	68.8	68.3	68.5	68.3	68.8	69.3	69.5	70.3	70.7	71.9
70°	61.6	61.2	60.9	60.9	60.9	61.2	61.6	62.1	62.7	63.3	64.8
72.5°	53.9	53.9	53.6	53.4	53.6	53.9	53.9	55.1	55.4	56.0	57.0
75°	43.2	42.6	42.6	42.6	42.6	42.6	43.2	43.5	43.8	44.7	45.2
77.5°	32.9	32.6	32.3	32.1	32.3	32.6	32.9	33.0	33.4	33.6	34.2
80°	26.1	25.7	25.4	25.4	25.4	25.7	26.1	26.3	26.3	27.3	26.9
82.5°	19.9	19.6	19.5	19.3	19.5	19.6	19.9	20.0	20.0	20.6	20.5
85°	10.6	10.9	10.6	11.2	10.6	10.9	10.6	10.4	10.6	11.2	11.2
87.5°	7.1	6.9	7.1	6.9	7.1	6.9	7.1	7.1	7.3	7.1	7.3
90°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	19.8	18.6	19.8
92.5°	36.8	34.8	35.3	34.3	35.3	34.8	36.8	37.3	41.1	46.3	54.0
95°	76.8	71.9	69.9	70.6	69.9	71.9	76.8	84.8	98.5	124.5	162.2
97.5°	168.4	153.2	144.2	138.9	144.2	153.2	168.4	198.0	242.7	309.7	378.6
100°	277.4	250.8	232.8	221.7	232.8	250.8	277.4	328.8	403.8	488.6	565.4
102.5°	473.1	427.6	405.2	390.1	405.2	427.6	473.1	528.9	608.3	670.4	687.8
105°	771.6	733.2	706.5	697.9	706.5	733.2	771.6	810.0	830.4	822.4	752.4
107.5°	910.5	908.3	903.0	891.4	903.0	908.3	910.5	905.6	875.6	811.2	705.8
110°	933.2	945.0	950.5	949.9	950.5	945.0	933.2	906.6	855.8	776.6	665.7



TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	915.4	935.1	945.6	949.0	945.6	935.1	915.4	878.4	820.1	735.4	629.1
115°	868.2	896.7	912.8	918.4	912.8	896.7	868.2	824.2	760.4	679.3	583.9
117.5°	812.0	842.1	859.0	863.7	859.0	842.1	812.0	767.1	707.3	633.7	550.0
120°	775.3	804.4	822.4	828.5	822.4	804.4	775.3	732.0	675.6	610.0	533.1
122.5°	742.1	770.7	786.7	791.9	786.7	770.7	742.1	703.2	652.3	590.2	519.8
125°	701.0	724.5	740.0	745.0	740.0	724.5	701.0	665.0	618.6	564.1	500.3
127.5°	664.5	686.5	699.9	703.9	699.9	686.5	664.5	633.1	590.3	538.8	481.2
130°	642.1	663.2	675.6	680.6	675.6	663.2	642.1	611.8	570.9	522.0	468.7
132.5°	619.4	640.4	651.8	656.2	651.8	640.4	619.4	589.5	551.1	506.2	456.9
135°	583.4	603.8	614.9	617.4	614.9	603.8	583.4	556.7	522.0	481.2	440.3
137.5°	548.2	565.8	575.5	579.2	575.5	565.8	548.2	523.9	493.7	461.2	427.1
140°	523.9	540.0	549.3	553.0	549.3	540.0	523.9	504.1	476.8	448.4	418.6
142.5°	503.1	517.7	526.0	526.7	526.0	517.7	503.1	484.3	461.4	437.0	411.7
145°	474.4	484.9	491.1	492.9	491.1	484.9	474.4	459.5	441.6	422.3	401.9
147.5°	450.8	459.2	463.4	464.5	463.4	459.2	450.8	438.6	425.4	410.4	394.3
150°	435.9	443.4	447.1	447.7	447.1	443.4	435.9	426.7	415.5	402.5	388.9
152.5°	424.1	430.5	433.2	433.3	433.2	430.5	424.1	416.8	407.1	396.1	383.4
155°	408.7	413.0	415.5	414.3	415.5	413.0	408.7	401.9	395.1	385.8	375.9
157.5°	393.3	397.0	398.1	398.1	398.1	397.0	393.3	388.5	383.2	375.4	367.1
160°	384.0	387.1	387.6	387.6	387.6	387.1	384.0	379.6	375.3	368.4	361.6
162.5°	375.5	377.6	378.3	377.7	378.3	377.6	375.5	371.2	367.8	362.0	356.2
165°	361.6	364.1	364.1	363.5	364.1	364.1	361.6	359.2	356.7	352.4	348.0
167.5°	349.9	351.3	351.1	350.4	351.1	351.3	349.9	348.8	346.5	343.6	340.2
170°	342.5	344.3	343.6	342.5	343.6	344.3	342.5	341.8	340.6	338.1	336.3
172.5°	336.5	337.4	336.8	336.0	336.8	337.4	336.5	335.9	335.2	333.2	331.8
175°	328.8	329.5	328.8	327.6	328.8	329.5	328.8	328.8	328.2	327.6	326.9
177.5°	324.0	324.0	323.5	322.5	323.5	324.0	324.0	324.0	324.0	323.5	323.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	818.7	822.0	827.0	829.9	834.6	837.7	839.3	842.4	844.1	850.0	856.1
5°	773.0	777.8	786.0	793.7	802.0	810.6	816.8	823.9	830.4	841.6	853.5
7.5°	720.6	727.1	740.0	752.3	766.7	778.8	789.5	801.6	812.5	828.5	845.3
10°	681.3	692.8	709.7	721.2	740.1	752.3	769.1	782.4	797.6	818.9	837.8
12.5°	647.5	661.4	674.9	690.9	708.0	728.2	746.7	763.7	781.7	803.7	825.9
15°	586.1	606.2	627.2	643.4	666.5	687.8	709.4	732.5	754.4	780.7	809.7
17.5°	507.0	530.3	565.6	593.5	620.6	642.0	668.7	696.6	722.4	754.2	786.4
20°	471.3	488.4	512.4	549.9	590.8	613.5	640.8	671.5	701.1	735.7	770.3
22.5°	442.6	457.9	477.1	506.4	552.0	583.0	611.4	642.7	677.0	712.3	750.7
25°	401.7	412.4	432.5	456.1	487.5	538.7	569.7	601.1	638.4	676.3	720.0
27.5°	371.1	380.6	393.7	416.3	439.6	476.3	525.8	559.9	597.1	639.7	685.2
30°	347.6	358.9	373.4	389.3	414.8	443.5	492.8	532.5	569.2	613.0	661.5
32.5°	330.6	339.5	351.8	368.0	389.2	416.7	456.1	504.3	540.0	586.2	636.8
35°	302.6	313.0	323.1	338.4	355.6	380.7	410.6	462.1	497.6	543.1	594.1
37.5°	279.6	286.0	297.1	309.3	327.3	346.1	372.0	418.2	456.6	501.3	553.4
40°	262.1	270.1	278.4	292.0	306.8	324.8	350.2	384.6	428.6	472.5	523.3
42.5°	245.1	255.2	264.0	273.1	289.2	307.3	328.0	357.1	402.1	443.5	493.1
45°	224.5	231.1	240.2	250.3	263.6	279.0	297.3	322.7	365.9	401.7	448.2
47.5°	200.7	210.2	216.1	225.9	238.6	253.3	270.3	292.3	327.3	360.8	403.9
50°	184.3	194.1	202.6	211.5	222.8	236.9	251.1	272.4	300.6	335.8	376.0
52.5°	170.3	179.0	187.3	196.1	207.2	220.1	233.6	252.3	276.4	308.8	347.8
55°	151.1	156.5	165.1	174.0	183.7	196.1	209.1	224.8	245.6	272.7	304.4
57.5°	131.5	137.7	144.5	153.4	163.3	172.9	184.5	198.8	215.1	239.7	266.8
60°	120.4	125.2	130.8	139.9	149.1	157.6	168.9	180.8	196.1	217.5	240.5
62.5°	108.1	112.6	117.7	125.7	134.7	142.5	152.3	164.9	177.9	197.3	217.5
65°	87.5	94.1	99.1	106.2	113.6	121.9	129.6	139.7	151.1	166.5	184.6
67.5°	72.6	75.9	80.6	87.1	94.6	101.7	109.0	116.8	126.8	138.7	153.0
70°	66.0	67.2	68.0	74.2	81.4	88.5	95.2	102.7	111.2	121.0	133.4
72.5°	58.1	59.3	60.4	63.1	68.8	75.9	82.9	88.5	96.6	104.6	114.7
75°	46.2	47.9	48.8	50.3	52.4	57.1	63.6	68.9	73.7	79.9	87.9
77.5°	35.2	36.1	37.1	38.7	39.9	42.1	45.8	50.6	55.1	58.6	64.2
80°	27.8	28.1	29.3	29.9	31.7	33.1	34.9	38.7	43.2	44.7	48.5
82.5°	20.9	21.2	22.2	22.8	23.6	24.9	27.1	28.1	31.6	33.5	36.0
85°	11.6	11.2	12.1	12.1	12.8	13.3	13.9	15.4	16.2	18.6	19.3
87.5°	7.6	7.8	7.8	7.1	6.3	6.1	6.0	5.9	6.2	6.4	7.0
90°	20.4	21.1	20.4	16.7	12.4	9.3	7.4	6.2	5.0	2.5	0.6
92.5°	68.0	80.5	79.4	61.8	42.1	28.1	22.3	18.1	15.4	10.9	7.5
95°	212.4	242.7	214.9	143.1	89.2	60.7	45.8	35.9	30.3	24.2	21.7
97.5°	434.7	414.4	312.1	192.7	117.6	81.8	65.0	53.6	45.2	38.7	35.3
100°	578.4	489.2	336.8	203.1	127.5	94.7	77.4	65.0	55.1	49.5	47.7
102.5°	631.8	491.7	327.5	203.6	136.5	106.2	88.8	75.9	66.0	60.4	59.1
105°	623.6	458.8	309.0	206.8	151.7	122.6	105.3	91.7	82.4	78.0	75.6
107.5°	569.2	423.7	299.8	215.4	167.3	139.1	121.6	108.1	99.6	95.4	93.4
110°	535.0	406.9	297.9	222.3	177.7	150.5	132.5	119.5	111.5	107.7	105.3



TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	511.3	395.9	298.3	229.7	187.7	161.4	142.9	130.4	122.9	118.7	116.1
115°	481.8	384.0	301.0	240.9	203.1	176.5	159.8	147.3	140.0	136.3	133.2
117.5°	463.2	378.1	305.4	252.8	217.4	192.7	175.4	163.5	156.9	153.2	150.8
120°	453.3	374.6	308.4	260.7	227.3	203.1	185.8	173.4	167.8	164.1	161.6
122.5°	444.9	372.6	311.9	267.7	236.7	214.0	196.1	183.8	177.7	174.0	172.1
125°	432.8	369.1	317.0	278.7	250.8	228.5	211.2	198.8	191.3	187.7	185.8
127.5°	421.7	366.9	322.4	288.9	264.0	242.2	224.4	212.5	204.4	199.2	196.7
130°	414.3	366.0	326.4	295.4	271.9	250.2	232.8	220.5	211.8	205.6	203.1
132.5°	408.4	365.5	330.3	301.8	278.8	258.1	240.7	227.9	218.7	212.1	209.1
135°	400.1	364.7	335.0	310.2	288.6	268.8	251.4	237.2	227.9	220.5	218.0
137.5°	394.2	364.6	339.2	316.7	296.5	276.9	260.9	246.7	236.8	229.3	226.4
140°	390.8	364.1	341.2	320.1	301.0	282.4	266.3	252.6	242.7	235.3	232.8
142.5°	387.3	364.1	342.7	323.1	304.4	286.4	271.2	258.1	248.2	241.3	239.2
145°	382.7	362.9	344.3	326.9	309.7	292.9	279.2	266.9	257.6	251.4	248.9
147.5°	378.0	360.7	344.8	329.1	313.9	298.1	286.0	275.7	267.1	261.2	259.4
150°	374.0	359.2	344.3	330.0	315.8	301.6	290.4	281.1	273.1	268.2	266.3
152.5°	370.6	356.7	343.3	330.6	317.8	305.1	294.9	286.1	279.0	274.1	273.2
155°	364.1	352.4	341.8	331.3	320.8	310.2	301.0	294.1	287.3	283.6	283.0
157.5°	358.1	347.9	339.0	331.3	322.9	313.9	306.2	300.7	294.8	291.8	291.2
160°	353.6	344.9	337.5	331.3	323.8	316.4	309.7	304.7	299.7	297.2	296.6
162.5°	349.6	342.5	336.0	330.8	324.4	317.9	312.6	308.2	304.2	301.7	302.1
165°	343.1	337.5	333.2	329.5	325.1	319.6	315.8	312.8	309.0	307.8	308.4
167.5°	336.6	333.2	330.3	328.6	325.0	320.9	318.5	316.3	313.9	312.8	313.6
170°	333.2	330.7	328.8	327.6	324.5	321.4	319.6	318.3	316.4	315.8	317.0
172.5°	329.7	327.7	326.9	326.1	324.0	321.9	320.5	319.8	317.9	318.3	319.0
175°	325.1	324.5	323.8	324.5	323.2	322.0	321.4	321.4	320.1	320.8	321.4
177.5°	322.5	322.0	322.5	323.5	322.5	322.0	322.0	322.0	321.0	321.5	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	856.3	857.1	861.8	864.0	868.2	869.9	871.7	871.2	871.2	872.2	878.8
5°	858.2	864.1	873.0	881.5	889.9	897.0	901.7	906.4	908.2	916.8	924.5
7.5°	855.2	866.0	880.7	893.7	909.4	921.7	931.8	941.0	947.3	959.8	972.6
10°	851.1	866.5	883.0	899.9	921.5	937.8	954.3	967.1	971.2	989.8	1000.5
12.5°	843.0	863.6	884.7	906.6	927.6	950.1	968.3	981.0	995.6	1012.3	1032.0
15°	831.0	854.7	882.2	910.3	940.5	967.7	987.2	1009.4	1025.3	1043.7	1060.8
17.5°	813.7	844.1	879.1	911.6	946.5	975.7	1002.7	1023.9	1035.1	1045.6	1048.2
20°	799.9	832.7	873.9	912.4	947.2	981.0	1007.6	1025.3	1028.3	1028.6	1012.9
22.5°	785.1	822.1	865.1	904.5	946.3	983.8	1004.5	1012.1	1000.4	980.3	950.0
25°	757.6	800.5	850.5	895.5	941.0	976.5	983.7	970.3	929.2	886.0	831.3
27.5°	727.9	776.1	829.7	879.7	928.3	950.3	934.9	886.9	812.9	748.5	670.5
30°	706.2	760.3	812.9	868.9	913.8	923.3	888.1	817.4	731.0	634.0	556.2
32.5°	681.3	738.0	795.9	853.7	891.4	882.1	823.9	736.9	635.6	540.3	466.7
35°	645.8	704.4	766.8	824.7	848.7	808.8	721.8	608.6	505.0	416.0	365.4
37.5°	604.8	668.6	733.5	786.7	785.1	718.4	600.0	483.0	396.0	343.3	307.3
40°	575.7	640.2	710.3	755.3	736.0	649.4	520.9	410.6	347.0	305.0	278.7
42.5°	547.8	612.5	682.1	717.9	684.4	577.9	450.0	363.5	311.0	278.3	256.9
45°	500.3	568.5	633.1	652.9	593.1	475.7	363.8	301.2	266.3	242.0	227.2
47.5°	453.8	521.0	579.9	580.3	499.4	385.8	307.0	260.6	230.8	212.1	201.3
50°	425.4	489.3	538.7	531.0	439.3	343.2	274.5	234.6	209.8	195.3	184.0
52.5°	393.5	455.4	498.2	476.3	388.4	302.0	245.4	211.9	191.3	178.7	168.7
55°	347.0	402.0	432.2	399.1	316.9	251.1	207.4	181.0	165.6	155.0	146.5
57.5°	301.4	346.7	365.8	327.2	260.9	208.3	175.4	155.7	140.4	132.8	128.3
60°	272.7	311.5	324.8	282.3	226.9	182.2	155.3	137.0	125.7	120.7	116.3
62.5°	244.6	276.2	281.8	242.7	197.8	159.5	136.4	120.9	113.4	108.6	104.4
65°	203.0	225.7	223.1	191.7	156.5	126.6	109.7	100.3	94.7	87.9	80.5
67.5°	167.1	181.0	172.6	149.1	119.5	98.4	87.4	80.2	73.3	66.8	65.1
70°	144.3	152.3	143.5	121.9	97.9	82.5	73.7	65.1	60.9	59.5	56.8
72.5°	122.6	125.4	115.8	97.3	79.7	68.4	59.7	54.9	52.7	51.4	49.7
75°	92.0	89.9	81.7	67.2	55.3	47.6	45.0	43.2	41.7	40.6	39.6
77.5°	64.6	61.6	54.2	44.8	38.5	34.9	33.3	32.3	31.6	31.0	30.1
80°	48.5	46.4	39.1	31.9	29.3	27.5	26.6	25.4	25.4	24.9	23.9
82.5°	35.5	33.2	26.8	23.4	21.9	20.9	20.2	19.5	19.3	19.4	18.8
85°	18.6	15.1	13.3	12.8	11.8	11.2	11.6	10.9	10.9	10.9	10.6
87.5°	6.2	5.5	5.5	5.5	6.1	6.7	7.4	8.1	8.5	8.1	8.2
90°	2.5	5.0	6.2	7.4	9.3	12.4	16.7	20.4	21.1	20.4	19.8
92.5°	10.9	15.4	18.1	22.3	28.1	42.1	61.8	79.4	80.5	68.0	54.0
95°	24.2	30.3	35.9	45.8	60.7	89.2	143.1	214.9	242.7	212.4	162.2
97.5°	38.7	45.2	53.6	65.0	81.8	117.6	192.7	312.1	414.4	434.7	378.6
100°	49.5	55.1	65.0	77.4	94.7	127.5	203.1	336.8	489.2	578.4	565.4
102.5°	60.4	66.0	75.9	88.8	106.2	136.5	203.6	327.5	491.7	631.8	687.8
105°	78.0	82.4	91.7	105.3	122.6	151.7	206.8	309.0	458.8	623.6	752.4
107.5°	95.4	99.6	108.1	121.6	139.1	167.3	215.4	299.8	423.7	569.2	705.8
110°	107.7	111.5	119.5	132.5	150.5	177.7	222.3	297.9	406.9	535.0	665.7





TEST NUMBER: P331659-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	118.7	122.9	130.4	142.9	161.4	187.7	229.7	298.3	395.9	511.3	629.1
115°	136.3	140.0	147.3	159.8	176.5	203.1	240.9	301.0	384.0	481.8	583.9
117.5°	153.2	156.9	163.5	175.4	192.7	217.4	252.8	305.4	378.1	463.2	550.0
120°	164.1	167.8	173.4	185.8	203.1	227.3	260.7	308.4	374.6	453.3	533.1
122.5°	174.0	177.7	183.8	196.1	214.0	236.7	267.7	311.9	372.6	444.9	519.8
125°	187.7	191.3	198.8	211.2	228.5	250.8	278.7	317.0	369.1	432.8	500.3
127.5°	199.2	204.4	212.5	224.4	242.2	264.0	288.9	322.4	366.9	421.7	481.2
130°	205.6	211.8	220.5	232.8	250.2	271.9	295.4	326.4	366.0	414.3	468.7
132.5°	212.1	218.7	227.9	240.7	258.1	278.8	301.8	330.3	365.5	408.4	456.9
135°	220.5	227.9	237.2	251.4	268.8	288.6	310.2	335.0	364.7	400.1	440.3
137.5°	229.3	236.8	246.7	260.9	276.9	296.5	316.7	339.2	364.6	394.2	427.1
140°	235.3	242.7	252.6	266.3	282.4	301.0	320.1	341.2	364.1	390.8	418.6
142.5°	241.3	248.2	258.1	271.2	286.4	304.4	323.1	342.7	364.1	387.3	411.7
145°	251.4	257.6	266.9	279.2	292.9	309.7	326.9	344.3	362.9	382.7	401.9
147.5°	261.2	267.1	275.7	286.0	298.1	313.9	329.1	344.8	360.7	378.0	394.3
150°	268.2	273.1	281.1	290.4	301.6	315.8	330.0	344.3	359.2	374.0	388.9
152.5°	274.1	279.0	286.1	294.9	305.1	317.8	330.6	343.3	356.7	370.6	383.4
155°	283.6	287.3	294.1	301.0	310.2	320.8	331.3	341.8	352.4	364.1	375.9
157.5°	291.8	294.8	300.7	306.2	313.9	322.9	331.3	339.0	347.9	358.1	367.1
160°	297.2	299.7	304.7	309.7	316.4	323.8	331.3	337.5	344.9	353.6	361.6
162.5°	301.7	304.2	308.2	312.6	317.9	324.4	330.8	336.0	342.5	349.6	356.2
165°	307.8	309.0	312.8	315.8	319.6	325.1	329.5	333.2	337.5	343.1	348.0
167.5°	312.8	313.9	316.3	318.5	320.9	325.0	328.6	330.3	333.2	336.6	340.2
170°	315.8	316.4	318.3	319.6	321.4	324.5	327.6	328.8	330.7	333.2	336.3
172.5°	318.3	317.9	319.8	320.5	321.9	324.0	326.1	326.9	327.7	329.7	331.8
175°	320.8	320.1	321.4	321.4	322.0	323.2	324.5	323.8	324.5	325.1	326.9
177.5°	321.5	321.0	322.0	322.0	322.0	322.5	323.5	322.5	322.0	322.5	323.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	881.2	884.3	885.7	885.7	887.4	886.7	886.0
5°	931.8	937.5	938.7	944.0	947.8	946.7	947.2
7.5°	982.2	991.3	1000.2	1004.2	1005.0	1007.3	1008.2
10°	1013.2	1020.6	1034.5	1032.5	1042.8	1048.7	1038.9
12.5°	1043.1	1053.0	1062.7	1065.3	1071.2	1073.1	1069.2
15°	1070.0	1075.3	1075.9	1074.4	1076.3	1074.8	1069.1
17.5°	1044.8	1036.2	1018.7	1010.3	1003.8	994.1	990.2
20°	1003.1	977.7	948.2	936.3	922.4	895.2	901.7
22.5°	913.2	884.2	854.7	820.1	803.6	777.8	776.3
25°	773.3	723.3	668.3	629.8	607.4	581.6	570.4
27.5°	601.3	538.3	493.2	470.4	449.6	429.2	428.3
30°	488.1	440.8	405.9	386.3	373.7	365.0	366.9
32.5°	411.5	379.0	355.5	339.3	329.9	323.4	323.3
35°	336.4	314.2	299.0	292.3	285.5	280.7	281.1
37.5°	287.9	274.5	266.1	258.6	254.4	252.1	250.7
40°	263.0	252.1	245.6	241.1	237.6	234.3	233.7
42.5°	243.4	234.3	227.8	224.3	221.0	218.6	218.1
45°	215.9	208.6	202.6	198.8	197.3	195.3	195.3
47.5°	192.1	184.8	180.2	177.8	175.2	173.9	173.8
50°	176.0	170.4	166.3	164.8	162.7	161.8	161.5
52.5°	161.6	157.4	154.4	153.4	152.5	151.4	151.5
55°	142.0	139.7	138.5	137.5	136.1	134.3	135.5
57.5°	125.5	123.5	120.3	117.5	116.1	114.9	115.3
60°	113.9	109.7	105.6	102.3	101.5	98.8	98.8
62.5°	99.3	93.4	88.3	86.5	85.6	84.4	84.1
65°	76.3	74.0	72.8	71.6	71.0	71.0	70.4
67.5°	63.2	62.3	61.0	60.7	60.1	60.0	59.7
70°	55.9	54.7	54.1	53.9	53.2	53.6	52.7
72.5°	48.8	47.8	47.8	47.0	46.7	46.7	46.0
75°	38.4	38.4	38.2	37.9	37.3	37.0	37.3
77.5°	29.5	29.6	29.1	29.1	29.0	29.1	28.8
80°	23.7	23.9	23.7	23.4	23.1	23.4	23.1
82.5°	18.7	18.3	18.2	18.1	18.1	17.9	17.9
85°	10.6	10.9	10.6	10.4	10.4	10.4	10.6
87.5°	7.8	8.0	8.1	8.1	8.1	8.1	7.8
90°	18.6	19.8	20.4	20.4	20.4	20.4	20.4
92.5°	46.3	41.1	37.3	36.8	34.8	35.3	34.3
95°	124.5	98.5	84.8	76.8	71.9	69.9	70.6
97.5°	309.7	242.7	198.0	168.4	153.2	144.2	138.9
100°	488.6	403.8	328.8	277.4	250.8	232.8	221.7
102.5°	670.4	608.3	528.9	473.1	427.6	405.2	390.1
105°	822.4	830.4	810.0	771.6	733.2	706.5	697.9
107.5°	811.2	875.6	905.6	910.5	908.3	903.0	891.4
110°	776.6	855.8	906.6	933.2	945.0	950.5	949.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	735.4	820.1	878.4	915.4	935.1	945.6	949.0
115°	679.3	760.4	824.2	868.2	896.7	912.8	918.4
117.5°	633.7	707.3	767.1	812.0	842.1	859.0	863.7
120°	610.0	675.6	732.0	775.3	804.4	822.4	828.5
122.5°	590.2	652.3	703.2	742.1	770.7	786.7	791.9
125°	564.1	618.6	665.0	701.0	724.5	740.0	745.0
127.5°	538.8	590.3	633.1	664.5	686.5	699.9	703.9
130°	522.0	570.9	611.8	642.1	663.2	675.6	680.6
132.5°	506.2	551.1	589.5	619.4	640.4	651.8	656.2
135°	481.2	522.0	556.7	583.4	603.8	614.9	617.4
137.5°	461.2	493.7	523.9	548.2	565.8	575.5	579.2
140°	448.4	476.8	504.1	523.9	540.0	549.3	553.0
142.5°	437.0	461.4	484.3	503.1	517.7	526.0	526.7
145°	422.3	441.6	459.5	474.4	484.9	491.1	492.9
147.5°	410.4	425.4	438.6	450.8	459.2	463.4	464.5
150°	402.5	415.5	426.7	435.9	443.4	447.1	447.7
152.5°	396.1	407.1	416.8	424.1	430.5	433.2	433.3
155°	385.8	395.1	401.9	408.7	413.0	415.5	414.3
157.5°	375.4	383.2	388.5	393.3	397.0	398.1	398.1
160°	368.4	375.3	379.6	384.0	387.1	387.6	387.6
162.5°	362.0	367.8	371.2	375.5	377.6	378.3	377.7
165°	352.4	356.7	359.2	361.6	364.1	364.1	363.5
167.5°	343.6	346.5	348.8	349.9	351.3	351.1	350.4
170°	338.1	340.6	341.8	342.5	344.3	343.6	342.5
172.5°	333.2	335.2	335.9	336.5	337.4	336.8	336.0
175°	327.6	328.2	328.8	328.8	329.5	328.8	327.6
177.5°	323.5	324.0	324.0	324.0	324.0	323.5	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0

(END OF REPORT)