

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: P332283-930

Luminaire Tested: **S123RDIP-S560D805U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332283-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-S560D805U930-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

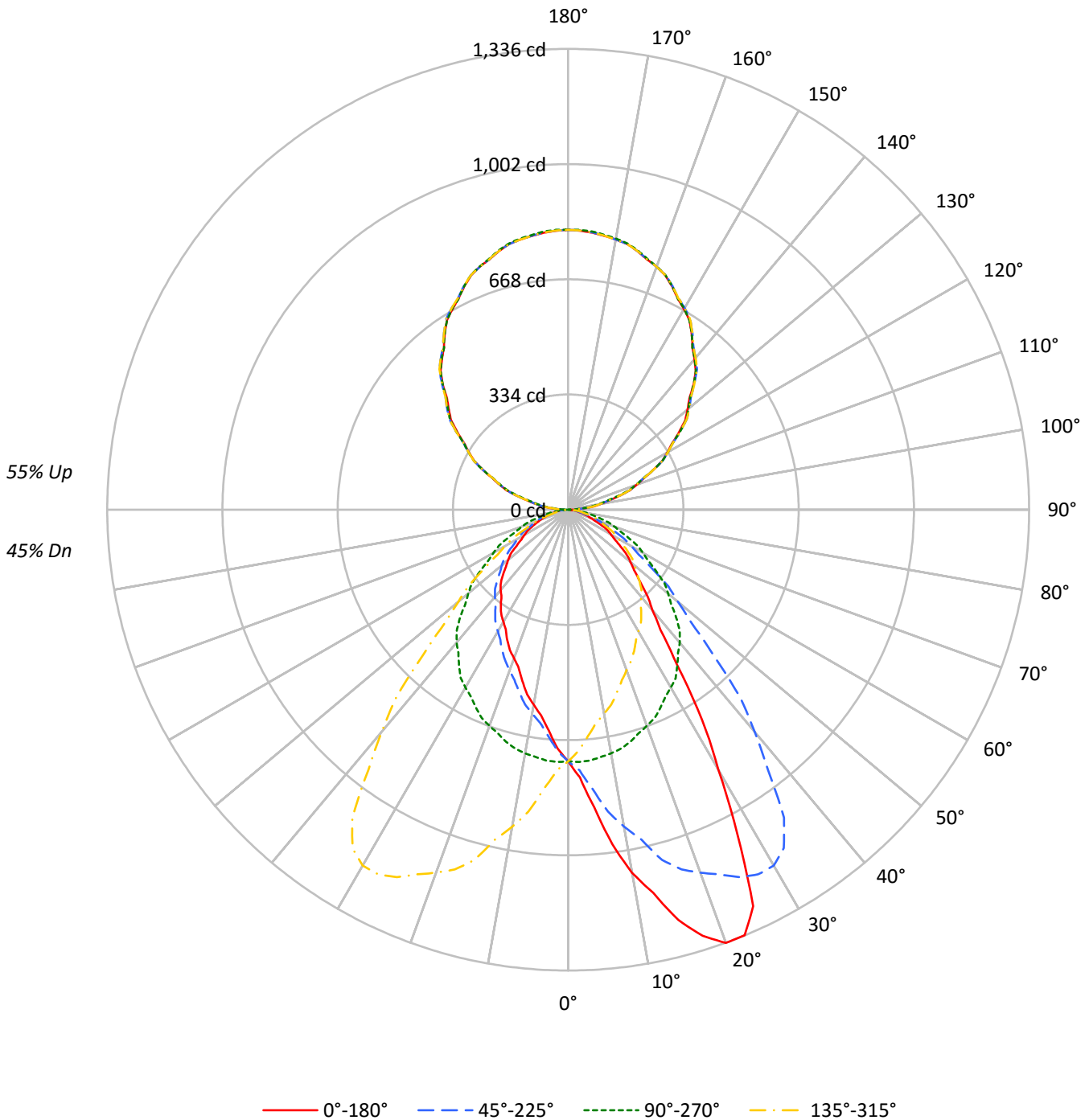
Lumens per Lamp: N/A  
Luminaire Lumens: 4067.0 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (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			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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	41	40	38	33
3	81	72	65	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	41	38	35	33	31	29	25
5	69	58	50	44	63	53	46	41	45	40	36	37	34	31	30	28	25	22
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	18
8	54	43	35	30	50	40	33	28	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	17	14
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

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

	0°	90°	180°	270°
0°	7851	7851	7851	7851
5°	9360	7886	6944	7886
10°	11687	7840	6274	7840
15°	13718	7759	5721	7759
20°	15309	7640	5251	7640
25°	15064	7514	4962	7514
30°	10828	7398	4666	7398
35°	7230	7247	4473	7247
40°	5327	7065	4274	7065
45°	4468	6745	4078	6745
50°	3944	6328	3806	6328
55°	3459	5849	3434	5849
60°	3078	5393	3147	5393
65°	2705	4898	2929	4898
70°	2121	4463	2675	4463
75°	1871	3897	2441	3897
80°	1630	3310	2399	3310
85°	1309	2655	2544	2655



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.7	1.8
10°-20°	224.1	5.5
20°-30°	352.1	8.7
30°-40°	367.3	9.0
40°-50°	314.4	7.7
50°-60°	239.6	5.9
60°-70°	153.6	3.8
70°-80°	73.9	1.8
80°-90°	22.0	0.5
90°-100°	52.9	1.3
100°-110°	158.2	3.9
110°-120°	269.1	6.6
120°-130°	354.0	8.7
130°-140°	397.9	9.8
140°-150°	391.1	9.6
150°-160°	329.2	8.1
160°-170°	219.2	5.4
170°-180°	76.7	1.9
0°-30°	647.9	15.9
0°-40°	1015.3	25.0
0°-60°	1569.3	38.6
0°-90°	1818.7	44.7
90°-120°	480.2	11.8
90°-150°	1623.1	39.9
90°-180°	2248.0	55.3
0°-180°	4067.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	729	729	729	729	729	
5°	866	730	643	730	866	89
15°	1231	696	513	696	1231	349
25°	1268	633	418	633	1268	545
35°	550	552	340	552	550	361
45°	294	443	268	443	294	231
55°	184	312	183	312	184	167
65°	106	192	115	192	106	104
75°	45	94	59	94	45	48
85°	11	22	21	22	11	13
90°	19	1	19	1	19	10
95°	50	38	50	38	50	51
105°	152	143	152	143	152	161
115°	272	271	272	271	272	269
125°	392	396	392	396	392	350
135°	514	514	514	514	514	395
145°	624	624	624	624	624	390
155°	713	714	713	714	713	328
165°	776	778	776	778	776	219
175°	806	810	806	810	806	77
180°	812	812	812	812	812	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	776.9	778.0	774.7	774.2	770.5	769.5	769.5	764.2	760.9	756.7	754.2
5°	866.3	871.2	868.8	863.2	853.8	851.6	845.6	836.3	825.7	812.5	806.3
7.5°	977.8	984.6	981.9	973.3	963.5	955.5	938.8	923.2	901.5	882.4	866.0
10°	1069.3	1062.0	1056.5	1048.0	1038.9	1024.3	1006.8	982.8	955.0	933.1	908.7
12.5°	1137.7	1136.5	1129.4	1120.7	1107.9	1094.0	1072.4	1043.2	1010.9	979.3	951.5
15°	1231.0	1232.9	1228.2	1219.1	1201.0	1176.3	1143.9	1131.7	1085.5	1051.1	1016.8
17.5°	1295.6	1295.2	1294.5	1282.0	1263.6	1245.9	1215.9	1183.8	1142.0	1093.6	1047.3
20°	1336.5	1333.4	1334.1	1320.0	1306.3	1286.0	1256.6	1210.1	1175.7	1119.8	1072.0
22.5°	1335.5	1334.9	1337.3	1332.4	1322.5	1306.9	1283.9	1244.6	1200.7	1144.3	1090.5
25°	1268.4	1266.0	1280.7	1284.7	1300.6	1303.4	1296.6	1275.0	1233.5	1175.4	1108.9
27.5°	1061.6	1060.2	1087.4	1121.5	1164.8	1198.4	1230.9	1246.5	1233.5	1191.9	1125.3
30°	871.2	900.6	914.4	963.7	1018.6	1084.2	1141.7	1196.3	1209.7	1191.6	1137.0
32.5°	723.3	748.9	760.4	802.8	854.0	930.8	1017.0	1094.4	1149.1	1162.9	1130.0
35°	550.2	550.6	576.7	595.5	642.9	721.9	805.7	909.3	1012.4	1090.5	1098.6
37.5°	439.0	440.6	456.5	475.2	510.8	552.5	626.2	712.4	831.4	951.3	1021.6
40°	379.1	381.9	393.8	412.2	437.8	469.4	526.8	608.0	707.3	840.7	949.7
42.5°	340.6	345.2	351.3	365.5	381.3	410.9	457.4	520.1	610.3	736.5	862.2
45°	293.5	296.0	300.7	307.3	321.6	342.3	373.5	415.6	490.6	592.1	718.0
47.5°	258.9	257.6	262.5	267.9	277.4	291.5	312.4	346.8	400.3	481.7	588.5
50°	235.5	235.1	238.6	242.6	251.7	262.0	279.2	305.1	347.6	415.0	512.7
52.5°	213.4	214.7	217.1	222.2	228.7	237.0	252.4	271.1	307.6	365.8	447.3
55°	184.3	185.2	188.6	191.4	196.1	204.6	214.3	229.8	254.8	295.4	362.6
57.5°	159.5	159.1	162.4	163.1	168.4	175.2	182.7	194.9	213.0	243.1	288.4
60°	143.0	142.1	144.9	147.1	149.9	155.5	161.8	173.7	188.0	210.2	248.9
62.5°	128.0	127.6	129.6	131.8	134.1	139.3	144.6	153.6	165.0	183.7	214.4
65°	106.2	107.1	108.0	109.0	110.2	113.3	118.4	124.6	132.4	145.5	167.7
67.5°	83.4	84.4	84.7	86.6	89.3	91.2	94.3	99.9	105.3	116.3	129.0
70°	67.4	67.1	67.4	68.4	71.8	75.3	79.3	83.4	86.8	94.7	105.3
72.5°	58.0	57.4	58.2	58.4	60.1	61.0	63.6	67.4	71.8	77.1	84.8
75°	45.0	45.0	45.0	45.0	46.2	46.9	47.8	48.8	50.3	52.7	58.4
77.5°	33.3	33.3	33.8	34.0	34.3	34.7	35.2	36.2	36.7	38.1	40.4
80°	26.3	26.6	26.3	26.6	26.6	27.1	27.5	28.5	28.7	30.3	31.2
82.5°	19.7	19.6	19.7	20.1	20.1	20.7	20.7	21.4	21.5	22.3	23.2
85°	10.6	10.0	10.6	10.3	10.9	10.3	10.6	11.3	11.3	11.6	12.8
87.5°	6.4	6.8	6.2	6.4	6.4	6.5	6.4	6.3	6.7	6.3	6.2
90°	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5	15.9	15.3	13.5
92.5°	25.8	25.9	26.1	26.3	26.4	26.3	25.8	25.4	24.9	24.5	23.4
95°	49.7	49.7	49.7	49.7	49.7	49.4	48.8	48.3	47.8	47.2	46.1
97.5°	76.5	76.6	76.6	76.6	76.7	76.4	75.7	75.1	74.4	73.8	73.0
100°	96.9	96.6	96.3	96.0	95.8	95.4	95.0	94.6	94.2	93.7	93.0
102.5°	117.8	117.9	117.9	118.0	118.1	117.8	117.4	117.0	116.6	116.2	115.2
105°	151.7	151.4	151.2	150.8	150.6	150.4	150.4	150.4	150.4	150.4	149.2
107.5°	187.0	187.2	187.4	187.5	187.7	187.6	187.1	186.6	186.2	185.7	185.2
110°	211.0	211.2	211.6	211.8	212.1	212.0	211.4	210.8	210.3	209.7	209.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	236.5	236.5	236.6	236.7	236.7	236.4	235.7	235.1	234.4	233.7	233.7
115°	271.6	271.7	271.8	272.0	272.1	272.1	272.0	271.8	271.7	271.6	271.8
117.5°	307.1	307.5	307.9	308.3	308.7	308.9	308.9	309.0	309.0	309.0	309.4
120°	332.1	332.4	332.6	333.0	333.2	333.5	333.6	333.7	333.9	334.0	334.8
122.5°	356.0	356.4	356.9	357.3	357.7	358.1	358.4	358.8	359.1	359.5	359.9
125°	392.0	392.6	393.1	393.7	394.3	394.8	395.4	396.0	396.6	397.1	397.4
127.5°	427.9	428.5	429.2	429.8	430.5	431.2	431.9	432.8	433.6	434.3	434.6
130°	451.3	452.3	453.3	454.3	455.3	456.1	456.6	457.2	457.7	458.3	458.8
132.5°	475.8	476.5	477.3	478.1	478.8	479.6	480.2	480.9	481.6	482.2	482.6
135°	513.8	514.0	514.4	514.6	514.9	515.4	515.9	516.5	517.1	517.6	517.7
137.5°	547.3	547.9	548.4	548.9	549.4	550.0	550.7	551.2	551.8	552.4	552.0
140°	569.2	570.2	571.2	572.2	573.2	573.7	573.9	574.1	574.2	574.3	574.2
142.5°	591.7	592.4	593.2	593.9	594.8	595.2	595.3	595.5	595.6	595.7	595.5
145°	624.0	624.6	625.2	625.7	626.3	626.6	626.8	627.0	627.1	627.2	626.8
147.5°	652.9	653.7	654.5	655.4	656.2	656.7	656.7	656.7	656.7	656.7	656.3
150°	671.2	672.1	672.9	673.8	674.7	675.1	675.1	675.1	675.1	675.1	674.7
152.5°	689.1	689.8	690.6	691.3	692.0	692.3	692.0	691.8	691.6	691.4	691.2
155°	713.3	714.3	715.3	716.2	717.2	717.5	716.9	716.3	715.8	715.2	715.1
157.5°	735.3	736.1	736.9	737.8	738.5	738.6	738.0	737.4	736.9	736.2	736.1
160°	749.6	750.2	750.7	751.3	751.9	751.8	751.1	750.4	749.7	749.0	749.0
162.5°	760.3	761.2	762.1	763.0	763.9	764.1	763.4	762.6	761.9	761.2	761.1
165°	775.8	776.7	777.7	778.8	779.8	779.8	778.9	778.1	777.2	776.4	776.4
167.5°	788.9	789.8	790.7	791.5	792.4	792.4	791.5	790.7	789.8	788.9	788.8
170°	795.5	796.5	797.5	798.5	799.5	799.5	798.5	797.5	796.5	795.5	795.5
172.5°	800.6	801.6	802.6	803.6	804.6	804.6	803.8	802.9	802.0	801.1	801.1
175°	806.3	807.3	808.4	809.3	810.3	810.4	809.5	808.7	807.9	807.0	807.0
177.5°	809.4	810.2	811.0	811.8	812.6	812.6	812.0	811.3	810.6	809.9	809.9
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	753.2	752.4	748.9	744.9	739.7	736.2	733.4	732.0	727.5	721.9	718.2
5°	799.7	790.4	780.4	768.2	756.9	745.4	738.3	729.8	719.5	707.9	699.8
7.5°	849.5	831.2	811.4	791.0	770.8	752.7	736.7	723.0	706.6	690.1	678.4
10°	887.8	861.0	833.2	804.7	778.8	754.5	735.7	717.3	697.7	678.6	664.2
12.5°	922.5	887.2	855.2	820.2	787.1	758.0	731.0	709.3	685.7	665.4	649.0
15°	966.5	930.3	891.5	838.5	794.4	757.6	724.8	696.3	667.6	642.7	626.7
17.5°	1007.5	953.1	901.1	856.7	799.6	753.5	713.5	679.5	648.0	621.5	601.9
20°	1024.6	971.8	915.3	858.8	802.6	751.1	704.5	667.0	634.2	604.2	586.1
22.5°	1034.8	975.0	915.5	854.8	795.1	741.5	695.5	654.3	618.7	590.3	567.9
25°	1046.8	975.5	910.0	850.0	789.1	731.0	676.4	632.7	594.3	563.9	540.2
27.5°	1054.6	970.9	893.3	826.7	764.9	707.1	657.0	610.7	571.7	539.6	514.2
30°	1056.1	967.1	880.6	808.5	745.7	692.6	639.5	595.2	554.0	519.9	496.2
32.5°	1058.1	957.9	863.4	786.8	722.5	669.9	621.8	579.4	537.2	503.7	479.5
35°	1049.9	952.8	837.2	749.2	684.9	633.9	590.5	551.5	510.0	477.4	452.8
37.5°	1014.4	932.5	810.1	706.8	639.5	592.4	557.0	523.0	484.9	449.9	426.6
40°	978.7	912.5	789.1	681.1	610.8	562.4	530.5	502.8	465.9	433.1	408.1
42.5°	925.4	885.3	769.2	654.1	578.3	531.7	504.8	478.7	446.5	413.1	389.6
45°	827.9	833.2	728.2	611.1	533.4	486.5	461.2	443.1	414.4	386.9	362.9
47.5°	705.4	755.0	680.2	565.3	486.0	442.0	419.9	404.1	384.7	357.8	335.8
50°	625.5	696.3	641.7	534.6	456.2	412.5	390.7	377.9	361.0	339.7	318.9
52.5°	551.8	627.9	595.3	500.3	424.0	384.0	362.6	352.1	338.8	318.8	299.9
55°	450.0	527.1	519.6	448.7	375.7	339.7	323.5	311.7	302.6	287.6	272.6
57.5°	363.9	437.1	441.0	391.3	333.0	297.6	283.6	274.7	268.7	257.5	243.6
60°	309.8	376.9	390.0	352.5	302.6	271.3	257.6	250.5	245.7	236.7	226.1
62.5°	264.8	322.0	336.8	309.8	273.4	244.1	233.4	226.5	223.3	215.5	206.1
65°	202.7	250.1	264.5	249.5	230.5	207.0	198.3	192.3	189.6	185.2	178.3
67.5°	152.4	187.0	202.8	192.2	185.3	170.5	164.9	161.8	159.2	156.3	150.5
70°	122.4	148.1	164.3	161.4	155.8	148.1	144.0	141.8	139.3	136.8	131.8
72.5°	98.4	116.0	131.3	132.7	128.1	126.5	122.9	122.1	120.5	117.6	114.8
75°	65.3	77.5	88.1	92.1	94.0	95.6	94.0	93.7	93.4	90.9	89.3
77.5°	42.8	49.3	56.0	62.9	65.9	68.0	68.5	69.6	68.8	67.5	66.8
80°	32.8	34.3	39.1	45.0	49.7	51.5	52.7	53.4	53.1	52.7	51.5
82.5°	23.8	25.1	27.3	31.5	35.4	38.6	39.3	39.1	39.9	40.0	39.1
85°	12.8	13.1	13.8	14.3	16.6	20.0	21.0	21.5	22.2	22.2	20.3
87.5°	6.4	5.7	5.9	5.5	6.0	6.0	7.2	8.2	8.6	7.9	8.2
90°	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7	2.0	3.5	4.9
92.5°	22.4	21.4	20.3	19.2	18.3	17.4	16.4	15.4	16.4	17.4	18.3
95°	44.9	43.8	42.6	41.6	40.6	39.6	38.6	37.6	38.6	39.6	40.6
97.5°	72.2	71.3	70.5	69.8	69.0	68.2	67.5	66.8	67.5	68.2	69.0
100°	92.3	91.6	90.9	90.1	89.3	88.4	87.6	86.7	87.6	88.4	89.3
102.5°	114.3	113.3	112.4	111.7	111.2	110.6	110.1	109.7	110.1	110.6	111.2
105°	147.9	146.6	145.4	144.6	144.3	144.0	143.7	143.4	143.7	144.0	144.3
107.5°	184.7	184.3	183.7	183.4	183.2	183.0	182.9	182.7	182.9	183.0	183.2
110°	209.1	208.9	208.6	208.3	208.0	207.7	207.4	207.2	207.4	207.7	208.0





TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	233.6	233.5	233.4	233.3	233.2	233.0	232.8	232.7	232.8	233.0	233.2
115°	272.1	272.4	272.7	272.6	272.1	271.7	271.3	270.9	271.3	271.7	272.1
117.5°	309.7	310.1	310.5	310.5	310.2	310.0	309.7	309.4	309.7	310.0	310.2
120°	335.4	336.1	336.9	336.8	335.9	335.1	334.2	333.4	334.2	335.1	335.9
122.5°	360.3	360.6	361.0	360.9	360.2	359.6	359.0	358.4	359.0	359.6	360.2
125°	397.7	397.9	398.3	398.2	397.8	397.3	396.9	396.5	396.9	397.3	397.8
127.5°	435.0	435.3	435.6	435.3	434.4	433.5	432.6	431.7	432.6	433.5	434.4
130°	459.2	459.6	460.0	459.7	458.5	457.4	456.2	455.1	456.2	457.4	458.5
132.5°	482.9	483.2	483.6	483.1	482.0	480.9	479.7	478.6	479.7	480.9	482.0
135°	517.9	518.0	518.2	517.8	517.0	516.1	515.3	514.4	515.3	516.1	517.0
137.5°	551.6	551.3	550.9	550.4	549.7	548.9	548.3	547.6	548.3	548.9	549.7
140°	574.1	573.9	573.7	573.3	572.7	571.9	571.2	570.5	571.2	571.9	572.7
142.5°	595.3	595.0	594.8	594.3	593.5	592.8	592.2	591.4	592.2	592.8	593.5
145°	626.4	626.0	625.5	625.2	624.9	624.6	624.4	624.0	624.4	624.6	624.9
147.5°	655.9	655.5	655.1	654.7	654.1	653.6	653.1	652.6	653.1	653.6	654.1
150°	674.5	674.2	673.9	673.6	673.4	673.0	672.8	672.5	672.8	673.0	673.4
152.5°	691.0	690.9	690.7	690.4	690.0	689.6	689.2	688.8	689.2	689.6	690.0
155°	714.9	714.8	714.6	714.5	714.5	714.5	714.5	714.5	714.5	714.5	714.5
157.5°	736.1	735.9	735.8	735.8	736.0	736.1	736.3	736.5	736.3	736.1	736.0
160°	749.0	749.0	749.0	749.1	749.4	749.7	750.0	750.2	750.0	749.7	749.4
162.5°	761.0	760.9	760.8	760.9	761.3	761.7	762.1	762.5	762.1	761.7	761.3
165°	776.4	776.4	776.4	776.6	777.1	777.5	777.9	778.3	777.9	777.5	777.1
167.5°	788.6	788.6	788.5	788.6	789.2	789.8	790.4	790.9	790.4	789.8	789.2
170°	795.5	795.5	795.5	795.8	796.4	797.0	797.5	798.1	797.5	797.0	796.4
172.5°	801.1	801.1	801.1	801.4	802.0	802.6	803.2	803.6	803.2	802.6	802.0
175°	807.0	807.0	807.0	807.3	807.9	808.5	808.9	809.5	808.9	808.5	807.9
177.5°	809.9	809.9	809.9	810.2	810.6	811.1	811.5	812.0	811.5	811.1	810.6
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	717.0	713.7	711.5	706.5	703.3	699.8	696.3	698.5	698.2	698.0	698.0
5°	692.9	685.7	679.2	670.7	665.4	658.9	653.9	653.3	654.5	650.1	647.7
7.5°	669.1	659.3	650.0	640.7	630.8	622.9	618.0	615.7	612.5	609.8	607.0
10°	652.3	640.8	631.7	620.2	609.6	600.2	594.3	590.2	588.0	585.8	581.8
12.5°	635.1	623.8	612.2	599.2	589.1	578.2	573.8	569.2	565.0	562.6	557.0
15°	609.8	595.2	583.0	569.2	558.1	547.4	541.2	532.1	530.8	527.7	522.1
17.5°	584.6	568.7	551.9	541.7	529.0	518.0	508.4	505.4	496.4	493.1	488.2
20°	564.6	549.9	537.1	523.7	505.2	495.0	487.5	483.4	476.2	471.8	468.7
22.5°	547.4	532.4	517.6	502.0	486.7	475.2	469.7	463.4	459.5	453.4	450.0
25°	522.8	506.5	488.7	471.8	460.9	452.2	443.4	437.8	432.2	429.3	423.1
27.5°	494.2	477.2	460.6	447.8	434.3	425.7	417.8	412.8	406.0	401.3	397.9
30°	478.4	458.4	444.1	432.5	415.3	407.2	401.3	395.0	390.0	385.1	381.6
32.5°	460.2	441.9	428.3	414.0	400.8	392.0	384.3	378.8	374.5	369.8	366.4
35°	431.5	416.3	402.2	387.8	378.1	369.1	360.0	355.4	351.3	346.9	343.8
37.5°	405.7	391.4	378.1	364.4	352.5	345.0	337.8	334.2	328.7	325.8	322.6
40°	389.7	375.7	361.3	348.2	335.7	330.1	323.5	318.2	313.2	311.0	307.6
42.5°	372.3	358.2	346.1	331.9	321.7	314.1	308.0	302.2	298.5	295.3	293.3
45°	346.3	333.8	322.0	307.9	298.2	291.6	284.8	279.5	276.1	273.9	270.4
47.5°	321.1	308.7	296.6	284.4	275.0	267.5	260.7	256.9	252.4	249.7	247.4
50°	302.9	291.6	278.8	267.6	258.3	250.8	245.2	240.4	236.4	232.9	231.4
52.5°	286.2	274.2	263.1	252.7	242.8	234.2	229.2	224.2	221.2	217.2	215.4
55°	258.5	247.0	237.7	227.3	217.7	210.5	204.2	199.8	196.7	192.3	189.9
57.5°	232.6	222.3	211.1	202.2	192.2	186.1	180.9	175.0	171.2	167.8	165.3
60°	215.2	203.3	193.6	185.2	176.4	168.6	164.0	159.2	155.2	151.7	149.6
62.5°	196.9	186.5	177.4	168.2	160.2	153.4	148.0	144.0	140.5	138.3	136.1
65°	168.9	160.9	151.5	144.0	136.5	131.5	127.1	123.7	121.2	119.6	117.7
67.5°	143.2	135.3	127.2	119.8	114.8	111.0	108.1	105.2	104.0	101.9	100.7
70°	126.5	118.4	111.2	105.6	100.5	97.8	95.9	93.7	92.5	89.9	88.7
72.5°	108.3	102.4	97.2	92.5	88.5	86.0	83.6	81.0	78.9	76.2	74.9
75°	85.3	80.0	75.9	72.7	70.3	66.9	63.4	60.6	59.7	58.7	58.4
77.5°	63.1	59.8	56.8	54.2	51.1	48.6	47.9	47.2	47.0	46.6	46.6
80°	49.7	46.6	44.4	41.3	39.4	39.4	39.4	38.7	39.1	39.1	39.1
82.5°	36.9	34.0	32.9	31.7	31.4	31.6	31.6	31.7	31.6	32.0	31.8
85°	19.1	19.3	20.0	19.6	20.0	20.0	20.6	20.3	20.6	20.0	20.6
87.5°	8.2	9.3	9.9	10.6	11.2	11.3	11.7	11.7	12.1	12.2	12.3
90°	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5	17.0	17.5	18.0
92.5°	19.2	20.3	21.4	22.4	23.4	24.5	24.9	25.4	25.8	26.3	26.4
95°	41.6	42.6	43.8	44.9	46.1	47.2	47.8	48.3	48.8	49.4	49.7
97.5°	69.8	70.5	71.3	72.2	73.0	73.8	74.4	75.1	75.7	76.4	76.7
100°	90.1	90.9	91.6	92.3	93.0	93.7	94.2	94.6	95.0	95.4	95.8
102.5°	111.7	112.4	113.3	114.3	115.2	116.2	116.6	117.0	117.4	117.8	118.1
105°	144.6	145.4	146.6	147.9	149.2	150.4	150.4	150.4	150.4	150.4	150.6
107.5°	183.4	183.7	184.3	184.7	185.2	185.7	186.2	186.6	187.1	187.6	187.7
110°	208.3	208.6	208.9	209.1	209.5	209.7	210.3	210.8	211.4	212.0	212.1



TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	233.3	233.4	233.5	233.6	233.7	233.7	234.4	235.1	235.7	236.4	236.7
115°	272.6	272.7	272.4	272.1	271.8	271.6	271.7	271.8	272.0	272.1	272.1
117.5°	310.5	310.5	310.1	309.7	309.4	309.0	309.0	309.0	308.9	308.9	308.7
120°	336.8	336.9	336.1	335.4	334.8	334.0	333.9	333.7	333.6	333.5	333.2
122.5°	360.9	361.0	360.6	360.3	359.9	359.5	359.1	358.8	358.4	358.1	357.7
125°	398.2	398.3	397.9	397.7	397.4	397.1	396.6	396.0	395.4	394.8	394.3
127.5°	435.3	435.6	435.3	435.0	434.6	434.3	433.6	432.8	431.9	431.2	430.5
130°	459.7	460.0	459.6	459.2	458.8	458.3	457.7	457.2	456.6	456.1	455.3
132.5°	483.1	483.6	483.2	482.9	482.6	482.2	481.6	480.9	480.2	479.6	478.8
135°	517.8	518.2	518.0	517.9	517.7	517.6	517.1	516.5	515.9	515.4	514.9
137.5°	550.4	550.9	551.3	551.6	552.0	552.4	551.8	551.2	550.7	550.0	549.4
140°	573.3	573.7	573.9	574.1	574.2	574.3	574.2	574.1	573.9	573.7	573.2
142.5°	594.3	594.8	595.0	595.3	595.5	595.7	595.6	595.5	595.3	595.2	594.8
145°	625.2	625.5	626.0	626.4	626.8	627.2	627.1	627.0	626.8	626.6	626.3
147.5°	654.7	655.1	655.5	655.9	656.3	656.7	656.7	656.7	656.7	656.7	656.2
150°	673.6	673.9	674.2	674.5	674.7	675.1	675.1	675.1	675.1	675.1	674.7
152.5°	690.4	690.7	690.9	691.0	691.2	691.4	691.6	691.8	692.0	692.3	692.0
155°	714.5	714.6	714.8	714.9	715.1	715.2	715.8	716.3	716.9	717.5	717.2
157.5°	735.8	735.8	735.9	736.1	736.1	736.2	736.9	737.4	738.0	738.6	738.5
160°	749.1	749.0	749.0	749.0	749.0	749.0	749.7	750.4	751.1	751.8	751.9
162.5°	760.9	760.8	760.9	761.0	761.1	761.2	761.9	762.6	763.4	764.1	763.9
165°	776.6	776.4	776.4	776.4	776.4	776.4	777.2	778.1	778.9	779.8	779.8
167.5°	788.6	788.5	788.6	788.6	788.8	788.9	789.8	790.7	791.5	792.4	792.4
170°	795.8	795.5	795.5	795.5	795.5	795.5	796.5	797.5	798.5	799.5	799.5
172.5°	801.4	801.1	801.1	801.1	801.1	801.1	802.0	802.9	803.8	804.6	804.6
175°	807.3	807.0	807.0	807.0	807.0	807.0	807.9	808.7	809.5	810.4	810.3
177.5°	810.2	809.9	809.9	809.9	809.9	809.9	810.6	811.3	812.0	812.6	812.6
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	695.0	694.7	695.0	694.0	695.0	694.7	695.0	698.0	698.0	698.2	698.5
5°	646.7	646.4	645.5	642.7	645.5	646.4	646.7	647.7	650.1	654.5	653.3
7.5°	604.5	604.1	601.4	601.4	601.4	604.1	604.5	607.0	609.8	612.5	615.7
10°	579.6	579.9	576.2	574.0	576.2	579.9	579.6	581.8	585.8	588.0	590.2
12.5°	555.4	553.9	550.9	548.5	550.9	553.9	555.4	557.0	562.6	565.0	569.2
15°	523.3	520.2	512.7	513.4	512.7	520.2	523.3	522.1	527.7	530.8	532.1
17.5°	485.7	483.4	483.3	478.9	483.3	483.4	485.7	488.2	493.1	496.4	505.4
20°	463.7	462.2	462.8	458.4	462.8	462.2	463.7	468.7	471.8	476.2	483.4
22.5°	446.5	444.9	442.3	440.9	442.3	444.9	446.5	450.0	453.4	459.5	463.4
25°	421.3	418.7	416.3	417.8	416.3	418.7	421.3	423.1	429.3	432.2	437.8
27.5°	396.0	394.1	391.7	391.3	391.7	394.1	396.0	397.9	401.3	406.0	412.8
30°	380.0	378.1	376.9	375.4	376.9	378.1	380.0	381.6	385.1	390.0	395.0
32.5°	363.8	363.5	361.2	360.9	361.2	363.5	363.8	366.4	369.8	374.5	378.8
35°	342.6	340.7	340.1	340.4	340.1	340.7	342.6	343.8	346.9	351.3	355.4
37.5°	322.4	319.9	318.8	317.6	318.8	319.9	322.4	322.6	325.8	328.7	334.2
40°	307.9	305.4	304.8	304.2	304.8	305.4	307.9	307.6	311.0	313.2	318.2
42.5°	291.6	290.7	290.3	289.2	290.3	290.7	291.6	293.3	295.3	298.5	302.2
45°	269.5	269.2	267.3	267.9	267.3	269.2	269.5	270.4	273.9	276.1	279.5
47.5°	246.1	244.8	243.4	244.3	243.4	244.8	246.1	247.4	249.7	252.4	256.9
50°	230.2	229.5	226.7	227.3	226.7	229.5	230.2	231.4	232.9	236.4	240.4
52.5°	214.2	211.8	210.8	210.3	210.8	211.8	214.2	215.4	217.2	221.2	224.2
55°	187.7	184.8	183.6	183.0	183.6	184.8	187.7	189.9	192.3	196.7	199.8
57.5°	161.7	160.9	160.0	160.6	160.0	160.9	161.7	165.3	167.8	171.2	175.0
60°	146.4	146.4	146.4	146.2	146.4	146.4	146.4	149.6	151.7	155.2	159.2
62.5°	134.7	134.0	133.7	134.1	133.7	134.0	134.7	136.1	138.3	140.5	144.0
65°	116.8	116.5	115.2	115.0	115.2	116.5	116.8	117.7	119.6	121.2	123.7
67.5°	99.9	98.7	98.4	97.9	98.4	98.7	99.9	100.7	101.9	104.0	105.2
70°	87.2	86.5	84.6	85.0	84.6	86.5	87.2	88.7	89.9	92.5	93.7
72.5°	73.4	72.7	72.4	71.9	72.4	72.7	73.4	74.9	76.2	78.9	81.0
75°	58.0	57.8	57.5	58.7	57.5	57.8	58.0	58.4	58.7	59.7	60.6
77.5°	46.6	46.6	46.7	46.2	46.7	46.6	46.6	46.6	46.6	47.0	47.2
80°	39.1	39.1	38.7	38.7	38.7	39.1	39.1	39.1	39.1	39.1	38.7
82.5°	31.3	31.6	31.7	31.2	31.7	31.6	31.3	31.8	32.0	31.6	31.7
85°	20.6	20.3	21.0	20.6	21.0	20.3	20.6	20.6	20.0	20.6	20.3
87.5°	12.9	12.5	12.5	12.8	12.5	12.5	12.9	12.3	12.2	12.1	11.7
90°	18.3	18.6	18.8	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5
92.5°	26.3	26.1	25.9	25.8	25.9	26.1	26.3	26.4	26.3	25.8	25.4
95°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.4	48.8	48.3
97.5°	76.6	76.6	76.6	76.5	76.6	76.6	76.6	76.7	76.4	75.7	75.1
100°	96.0	96.3	96.6	96.9	96.6	96.3	96.0	95.8	95.4	95.0	94.6
102.5°	118.0	117.9	117.9	117.8	117.9	117.9	118.0	118.1	117.8	117.4	117.0
105°	150.8	151.2	151.4	151.7	151.4	151.2	150.8	150.6	150.4	150.4	150.4
107.5°	187.5	187.4	187.2	187.0	187.2	187.4	187.5	187.7	187.6	187.1	186.6
110°	211.8	211.6	211.2	211.0	211.2	211.6	211.8	212.1	212.0	211.4	210.8



TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	236.7	236.6	236.5	236.5	236.5	236.6	236.7	236.7	236.4	235.7	235.1
115°	272.0	271.8	271.7	271.6	271.7	271.8	272.0	272.1	272.1	272.0	271.8
117.5°	308.3	307.9	307.5	307.1	307.5	307.9	308.3	308.7	308.9	308.9	309.0
120°	333.0	332.6	332.4	332.1	332.4	332.6	333.0	333.2	333.5	333.6	333.7
122.5°	357.3	356.9	356.4	356.0	356.4	356.9	357.3	357.7	358.1	358.4	358.8
125°	393.7	393.1	392.6	392.0	392.6	393.1	393.7	394.3	394.8	395.4	396.0
127.5°	429.8	429.2	428.5	427.9	428.5	429.2	429.8	430.5	431.2	431.9	432.8
130°	454.3	453.3	452.3	451.3	452.3	453.3	454.3	455.3	456.1	456.6	457.2
132.5°	478.1	477.3	476.5	475.8	476.5	477.3	478.1	478.8	479.6	480.2	480.9
135°	514.6	514.4	514.0	513.8	514.0	514.4	514.6	514.9	515.4	515.9	516.5
137.5°	548.9	548.4	547.9	547.3	547.9	548.4	548.9	549.4	550.0	550.7	551.2
140°	572.2	571.2	570.2	569.2	570.2	571.2	572.2	573.2	573.7	573.9	574.1
142.5°	593.9	593.2	592.4	591.7	592.4	593.2	593.9	594.8	595.2	595.3	595.5
145°	625.7	625.2	624.6	624.0	624.6	625.2	625.7	626.3	626.6	626.8	627.0
147.5°	655.4	654.5	653.7	652.9	653.7	654.5	655.4	656.2	656.7	656.7	656.7
150°	673.8	672.9	672.1	671.2	672.1	672.9	673.8	674.7	675.1	675.1	675.1
152.5°	691.3	690.6	689.8	689.1	689.8	690.6	691.3	692.0	692.3	692.0	691.8
155°	716.2	715.3	714.3	713.3	714.3	715.3	716.2	717.2	717.5	716.9	716.3
157.5°	737.8	736.9	736.1	735.3	736.1	736.9	737.8	738.5	738.6	738.0	737.4
160°	751.3	750.7	750.2	749.6	750.2	750.7	751.3	751.9	751.8	751.1	750.4
162.5°	763.0	762.1	761.2	760.3	761.2	762.1	763.0	763.9	764.1	763.4	762.6
165°	778.8	777.7	776.7	775.8	776.7	777.7	778.8	779.8	779.8	778.9	778.1
167.5°	791.5	790.7	789.8	788.9	789.8	790.7	791.5	792.4	792.4	791.5	790.7
170°	798.5	797.5	796.5	795.5	796.5	797.5	798.5	799.5	799.5	798.5	797.5
172.5°	803.6	802.6	801.6	800.6	801.6	802.6	803.6	804.6	804.6	803.8	802.9
175°	809.3	808.4	807.3	806.3	807.3	808.4	809.3	810.3	810.4	809.5	808.7
177.5°	811.8	811.0	810.2	809.4	810.2	811.0	811.8	812.6	812.6	812.0	811.3
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	696.3	699.8	703.3	706.5	711.5	713.7	717.0	718.2	721.9	727.5	732.0
5°	653.9	658.9	665.4	670.7	679.2	685.7	692.9	699.8	707.9	719.5	729.8
7.5°	618.0	622.9	630.8	640.7	650.0	659.3	669.1	678.4	690.1	706.6	723.0
10°	594.3	600.2	609.6	620.2	631.7	640.8	652.3	664.2	678.6	697.7	717.3
12.5°	573.8	578.2	589.1	599.2	612.2	623.8	635.1	649.0	665.4	685.7	709.3
15°	541.2	547.4	558.1	569.2	583.0	595.2	609.8	626.7	642.7	667.6	696.3
17.5°	508.4	518.0	529.0	541.7	551.9	568.7	584.6	601.9	621.5	648.0	679.5
20°	487.5	495.0	505.2	523.7	537.1	549.9	564.6	586.1	604.2	634.2	667.0
22.5°	469.7	475.2	486.7	502.0	517.6	532.4	547.4	567.9	590.3	618.7	654.3
25°	443.4	452.2	460.9	471.8	488.7	506.5	522.8	540.2	563.9	594.3	632.7
27.5°	417.8	425.7	434.3	447.8	460.6	477.2	494.2	514.2	539.6	571.7	610.7
30°	401.3	407.2	415.3	432.5	444.1	458.4	478.4	496.2	519.9	554.0	595.2
32.5°	384.3	392.0	400.8	414.0	428.3	441.9	460.2	479.5	503.7	537.2	579.4
35°	360.0	369.1	378.1	387.8	402.2	416.3	431.5	452.8	477.4	510.0	551.5
37.5°	337.8	345.0	352.5	364.4	378.1	391.4	405.7	426.6	449.9	484.9	523.0
40°	323.5	330.1	335.7	348.2	361.3	375.7	389.7	408.1	433.1	465.9	502.8
42.5°	308.0	314.1	321.7	331.9	346.1	358.2	372.3	389.6	413.1	446.5	478.7
45°	284.8	291.6	298.2	307.9	322.0	333.8	346.3	362.9	386.9	414.4	443.1
47.5°	260.7	267.5	275.0	284.4	296.6	308.7	321.1	335.8	357.8	384.7	404.1
50°	245.2	250.8	258.3	267.6	278.8	291.6	302.9	318.9	339.7	361.0	377.9
52.5°	229.2	234.2	242.8	252.7	263.1	274.2	286.2	299.9	318.8	338.8	352.1
55°	204.2	210.5	217.7	227.3	237.7	247.0	258.5	272.6	287.6	302.6	311.7
57.5°	180.9	186.1	192.2	202.2	211.1	222.3	232.6	243.6	257.5	268.7	274.7
60°	164.0	168.6	176.4	185.2	193.6	203.3	215.2	226.1	236.7	245.7	250.5
62.5°	148.0	153.4	160.2	168.2	177.4	186.5	196.9	206.1	215.5	223.3	226.5
65°	127.1	131.5	136.5	144.0	151.5	160.9	168.9	178.3	185.2	189.6	192.3
67.5°	108.1	111.0	114.8	119.8	127.2	135.3	143.2	150.5	156.3	159.2	161.8
70°	95.9	97.8	100.5	105.6	111.2	118.4	126.5	131.8	136.8	139.3	141.8
72.5°	83.6	86.0	88.5	92.5	97.2	102.4	108.3	114.8	117.6	120.5	122.1
75°	63.4	66.9	70.3	72.7	75.9	80.0	85.3	89.3	90.9	93.4	93.7
77.5°	47.9	48.6	51.1	54.2	56.8	59.8	63.1	66.8	67.5	68.8	69.6
80°	39.4	39.4	39.4	41.3	44.4	46.6	49.7	51.5	52.7	53.1	53.4
82.5°	31.6	31.6	31.4	31.7	32.9	34.0	36.9	39.1	40.0	39.9	39.1
85°	20.6	20.0	20.0	19.6	20.0	19.3	19.1	20.3	22.2	22.2	21.5
87.5°	11.7	11.3	11.2	10.6	9.9	9.3	8.2	8.2	7.9	8.6	8.2
90°	15.9	15.3	13.5	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7
92.5°	24.9	24.5	23.4	22.4	21.4	20.3	19.2	18.3	17.4	16.4	15.4
95°	47.8	47.2	46.1	44.9	43.8	42.6	41.6	40.6	39.6	38.6	37.6
97.5°	74.4	73.8	73.0	72.2	71.3	70.5	69.8	69.0	68.2	67.5	66.8
100°	94.2	93.7	93.0	92.3	91.6	90.9	90.1	89.3	88.4	87.6	86.7
102.5°	116.6	116.2	115.2	114.3	113.3	112.4	111.7	111.2	110.6	110.1	109.7
105°	150.4	150.4	149.2	147.9	146.6	145.4	144.6	144.3	144.0	143.7	143.4
107.5°	186.2	185.7	185.2	184.7	184.3	183.7	183.4	183.2	183.0	182.9	182.7
110°	210.3	209.7	209.5	209.1	208.9	208.6	208.3	208.0	207.7	207.4	207.2



TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	234.4	233.7	233.7	233.6	233.5	233.4	233.3	233.2	233.0	232.8	232.7
115°	271.7	271.6	271.8	272.1	272.4	272.7	272.6	272.1	271.7	271.3	270.9
117.5°	309.0	309.0	309.4	309.7	310.1	310.5	310.5	310.2	310.0	309.7	309.4
120°	333.9	334.0	334.8	335.4	336.1	336.9	336.8	335.9	335.1	334.2	333.4
122.5°	359.1	359.5	359.9	360.3	360.6	361.0	360.9	360.2	359.6	359.0	358.4
125°	396.6	397.1	397.4	397.7	397.9	398.3	398.2	397.8	397.3	396.9	396.5
127.5°	433.6	434.3	434.6	435.0	435.3	435.6	435.3	434.4	433.5	432.6	431.7
130°	457.7	458.3	458.8	459.2	459.6	460.0	459.7	458.5	457.4	456.2	455.1
132.5°	481.6	482.2	482.6	482.9	483.2	483.6	483.1	482.0	480.9	479.7	478.6
135°	517.1	517.6	517.7	517.9	518.0	518.2	517.8	517.0	516.1	515.3	514.4
137.5°	551.8	552.4	552.0	551.6	551.3	550.9	550.4	549.7	548.9	548.3	547.6
140°	574.2	574.3	574.2	574.1	573.9	573.7	573.3	572.7	571.9	571.2	570.5
142.5°	595.6	595.7	595.5	595.3	595.0	594.8	594.3	593.5	592.8	592.2	591.4
145°	627.1	627.2	626.8	626.4	626.0	625.5	625.2	624.9	624.6	624.4	624.0
147.5°	656.7	656.7	656.3	655.9	655.5	655.1	654.7	654.1	653.6	653.1	652.6
150°	675.1	675.1	674.7	674.5	674.2	673.9	673.6	673.4	673.0	672.8	672.5
152.5°	691.6	691.4	691.2	691.0	690.9	690.7	690.4	690.0	689.6	689.2	688.8
155°	715.8	715.2	715.1	714.9	714.8	714.6	714.5	714.5	714.5	714.5	714.5
157.5°	736.9	736.2	736.1	736.1	735.9	735.8	735.8	736.0	736.1	736.3	736.5
160°	749.7	749.0	749.0	749.0	749.0	749.0	749.1	749.4	749.7	750.0	750.2
162.5°	761.9	761.2	761.1	761.0	760.9	760.8	760.9	761.3	761.7	762.1	762.5
165°	777.2	776.4	776.4	776.4	776.4	776.4	776.6	777.1	777.5	777.9	778.3
167.5°	789.8	788.9	788.8	788.6	788.6	788.5	788.6	789.2	789.8	790.4	790.9
170°	796.5	795.5	795.5	795.5	795.5	795.5	795.8	796.4	797.0	797.5	798.1
172.5°	802.0	801.1	801.1	801.1	801.1	801.1	801.4	802.0	802.6	803.2	803.6
175°	807.9	807.0	807.0	807.0	807.0	807.0	807.3	807.9	808.5	808.9	809.5
177.5°	810.6	809.9	809.9	809.9	809.9	809.9	810.2	810.6	811.1	811.5	812.0
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	733.4	736.2	739.7	744.9	748.9	752.4	753.2	754.2	756.7	760.9	764.2
5°	738.3	745.4	756.9	768.2	780.4	790.4	799.7	806.3	812.5	825.7	836.3
7.5°	736.7	752.7	770.8	791.0	811.4	831.2	849.5	866.0	882.4	901.5	923.2
10°	735.7	754.5	778.8	804.7	833.2	861.0	887.8	908.7	933.1	955.0	982.8
12.5°	731.0	758.0	787.1	820.2	855.2	887.2	922.5	951.5	979.3	1010.9	1043.2
15°	724.8	757.6	794.4	838.5	891.5	930.3	966.5	1016.8	1051.1	1085.5	1131.7
17.5°	713.5	753.5	799.6	856.7	901.1	953.1	1007.5	1047.3	1093.6	1142.0	1183.8
20°	704.5	751.1	802.6	858.8	915.3	971.8	1024.6	1072.0	1119.8	1175.7	1210.1
22.5°	695.5	741.5	795.1	854.8	915.5	975.0	1034.8	1090.5	1144.3	1200.7	1244.6
25°	676.4	731.0	789.1	850.0	910.0	975.5	1046.8	1108.9	1175.4	1233.5	1275.0
27.5°	657.0	707.1	764.9	826.7	893.3	970.9	1054.6	1125.3	1191.9	1233.5	1246.5
30°	639.5	692.6	745.7	808.5	880.6	967.1	1056.1	1137.0	1191.6	1209.7	1196.3
32.5°	621.8	669.9	722.5	786.8	863.4	957.9	1058.1	1130.0	1162.9	1149.1	1094.4
35°	590.5	633.9	684.9	749.2	837.2	952.8	1049.9	1098.6	1090.5	1012.4	909.3
37.5°	557.0	592.4	639.5	706.8	810.1	932.5	1014.4	1021.6	951.3	831.4	712.4
40°	530.5	562.4	610.8	681.1	789.1	912.5	978.7	949.7	840.7	707.3	608.0
42.5°	504.8	531.7	578.3	654.1	769.2	885.3	925.4	862.2	736.5	610.3	520.1
45°	461.2	486.5	533.4	611.1	728.2	833.2	827.9	718.0	592.1	490.6	415.6
47.5°	419.9	442.0	486.0	565.3	680.2	755.0	705.4	588.5	481.7	400.3	346.8
50°	390.7	412.5	456.2	534.6	641.7	696.3	625.5	512.7	415.0	347.6	305.1
52.5°	362.6	384.0	424.0	500.3	595.3	627.9	551.8	447.3	365.8	307.6	271.1
55°	323.5	339.7	375.7	448.7	519.6	527.1	450.0	362.6	295.4	254.8	229.8
57.5°	283.6	297.6	333.0	391.3	441.0	437.1	363.9	288.4	243.1	213.0	194.9
60°	257.6	271.3	302.6	352.5	390.0	376.9	309.8	248.9	210.2	188.0	173.7
62.5°	233.4	244.1	273.4	309.8	336.8	322.0	264.8	214.4	183.7	165.0	153.6
65°	198.3	207.0	230.5	249.5	264.5	250.1	202.7	167.7	145.5	132.4	124.6
67.5°	164.9	170.5	185.3	192.2	202.8	187.0	152.4	129.0	116.3	105.3	99.9
70°	144.0	148.1	155.8	161.4	164.3	148.1	122.4	105.3	94.7	86.8	83.4
72.5°	122.9	126.5	128.1	132.7	131.3	116.0	98.4	84.8	77.1	71.8	67.4
75°	94.0	95.6	94.0	92.1	88.1	77.5	65.3	58.4	52.7	50.3	48.8
77.5°	68.5	68.0	65.9	62.9	56.0	49.3	42.8	40.4	38.1	36.7	36.2
80°	52.7	51.5	49.7	45.0	39.1	34.3	32.8	31.2	30.3	28.7	28.5
82.5°	39.3	38.6	35.4	31.5	27.3	25.1	23.8	23.2	22.3	21.5	21.4
85°	21.0	20.0	16.6	14.3	13.8	13.1	12.8	12.8	11.6	11.3	11.3
87.5°	7.2	6.0	6.0	5.5	5.9	5.7	6.4	6.2	6.3	6.7	6.3
90°	2.0	3.5	4.9	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5
92.5°	16.4	17.4	18.3	19.2	20.3	21.4	22.4	23.4	24.5	24.9	25.4
95°	38.6	39.6	40.6	41.6	42.6	43.8	44.9	46.1	47.2	47.8	48.3
97.5°	67.5	68.2	69.0	69.8	70.5	71.3	72.2	73.0	73.8	74.4	75.1
100°	87.6	88.4	89.3	90.1	90.9	91.6	92.3	93.0	93.7	94.2	94.6
102.5°	110.1	110.6	111.2	111.7	112.4	113.3	114.3	115.2	116.2	116.6	117.0
105°	143.7	144.0	144.3	144.6	145.4	146.6	147.9	149.2	150.4	150.4	150.4
107.5°	182.9	183.0	183.2	183.4	183.7	184.3	184.7	185.2	185.7	186.2	186.6
110°	207.4	207.7	208.0	208.3	208.6	208.9	209.1	209.5	209.7	210.3	210.8





TEST NUMBER: P332283-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	232.8	233.0	233.2	233.3	233.4	233.5	233.6	233.7	233.7	234.4	235.1
115°	271.3	271.7	272.1	272.6	272.7	272.4	272.1	271.8	271.6	271.7	271.8
117.5°	309.7	310.0	310.2	310.5	310.5	310.1	309.7	309.4	309.0	309.0	309.0
120°	334.2	335.1	335.9	336.8	336.9	336.1	335.4	334.8	334.0	333.9	333.7
122.5°	359.0	359.6	360.2	360.9	361.0	360.6	360.3	359.9	359.5	359.1	358.8
125°	396.9	397.3	397.8	398.2	398.3	397.9	397.7	397.4	397.1	396.6	396.0
127.5°	432.6	433.5	434.4	435.3	435.6	435.3	435.0	434.6	434.3	433.6	432.8
130°	456.2	457.4	458.5	459.7	460.0	459.6	459.2	458.8	458.3	457.7	457.2
132.5°	479.7	480.9	482.0	483.1	483.6	483.2	482.9	482.6	482.2	481.6	480.9
135°	515.3	516.1	517.0	517.8	518.2	518.0	517.9	517.7	517.6	517.1	516.5
137.5°	548.3	548.9	549.7	550.4	550.9	551.3	551.6	552.0	552.4	551.8	551.2
140°	571.2	571.9	572.7	573.3	573.7	573.9	574.1	574.2	574.3	574.2	574.1
142.5°	592.2	592.8	593.5	594.3	594.8	595.0	595.3	595.5	595.7	595.6	595.5
145°	624.4	624.6	624.9	625.2	625.5	626.0	626.4	626.8	627.2	627.1	627.0
147.5°	653.1	653.6	654.1	654.7	655.1	655.5	655.9	656.3	656.7	656.7	656.7
150°	672.8	673.0	673.4	673.6	673.9	674.2	674.5	674.7	675.1	675.1	675.1
152.5°	689.2	689.6	690.0	690.4	690.7	690.9	691.0	691.2	691.4	691.6	691.8
155°	714.5	714.5	714.5	714.5	714.6	714.8	714.9	715.1	715.2	715.8	716.3
157.5°	736.3	736.1	736.0	735.8	735.8	735.9	736.1	736.1	736.2	736.9	737.4
160°	750.0	749.7	749.4	749.1	749.0	749.0	749.0	749.0	749.0	749.7	750.4
162.5°	762.1	761.7	761.3	760.9	760.8	760.9	761.0	761.1	761.2	761.9	762.6
165°	777.9	777.5	777.1	776.6	776.4	776.4	776.4	776.4	776.4	777.2	778.1
167.5°	790.4	789.8	789.2	788.6	788.5	788.6	788.6	788.8	788.9	789.8	790.7
170°	797.5	797.0	796.4	795.8	795.5	795.5	795.5	795.5	795.5	796.5	797.5
172.5°	803.2	802.6	802.0	801.4	801.1	801.1	801.1	801.1	801.1	802.0	802.9
175°	808.9	808.5	807.9	807.3	807.0	807.0	807.0	807.0	807.0	807.9	808.7
177.5°	811.5	811.1	810.6	810.2	809.9	809.9	809.9	809.9	809.9	810.6	811.3
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	769.5	769.5	770.5	774.2	774.7	778.0	776.9
5°	845.6	851.6	853.8	863.2	868.8	871.2	866.3
7.5°	938.8	955.5	963.5	973.3	981.9	984.6	977.8
10°	1006.8	1024.3	1038.9	1048.0	1056.5	1062.0	1069.3
12.5°	1072.4	1094.0	1107.9	1120.7	1129.4	1136.5	1137.7
15°	1143.9	1176.3	1201.0	1219.1	1228.2	1232.9	1231.0
17.5°	1215.9	1245.9	1263.6	1282.0	1294.5	1295.2	1295.6
20°	1256.6	1286.0	1306.3	1320.0	1334.1	1333.4	1336.5
22.5°	1283.9	1306.9	1322.5	1332.4	1337.3	1334.9	1335.5
25°	1296.6	1303.4	1300.6	1284.7	1280.7	1266.0	1268.4
27.5°	1230.9	1198.4	1164.8	1121.5	1087.4	1060.2	1061.6
30°	1141.7	1084.2	1018.6	963.7	914.4	900.6	871.2
32.5°	1017.0	930.8	854.0	802.8	760.4	748.9	723.3
35°	805.7	721.9	642.9	595.5	576.7	550.6	550.2
37.5°	626.2	552.5	510.8	475.2	456.5	440.6	439.0
40°	526.8	469.4	437.8	412.2	393.8	381.9	379.1
42.5°	457.4	410.9	381.3	365.5	351.3	345.2	340.6
45°	373.5	342.3	321.6	307.3	300.7	296.0	293.5
47.5°	312.4	291.5	277.4	267.9	262.5	257.6	258.9
50°	279.2	262.0	251.7	242.6	238.6	235.1	235.5
52.5°	252.4	237.0	228.7	222.2	217.1	214.7	213.4
55°	214.3	204.6	196.1	191.4	188.6	185.2	184.3
57.5°	182.7	175.2	168.4	163.1	162.4	159.1	159.5
60°	161.8	155.5	149.9	147.1	144.9	142.1	143.0
62.5°	144.6	139.3	134.1	131.8	129.6	127.6	128.0
65°	118.4	113.3	110.2	109.0	108.0	107.1	106.2
67.5°	94.3	91.2	89.3	86.6	84.7	84.4	83.4
70°	79.3	75.3	71.8	68.4	67.4	67.1	67.4
72.5°	63.6	61.0	60.1	58.4	58.2	57.4	58.0
75°	47.8	46.9	46.2	45.0	45.0	45.0	45.0
77.5°	35.2	34.7	34.3	34.0	33.8	33.3	33.3
80°	27.5	27.1	26.6	26.6	26.3	26.6	26.3
82.5°	20.7	20.7	20.1	20.1	19.7	19.6	19.7
85°	10.6	10.3	10.9	10.3	10.6	10.0	10.6
87.5°	6.4	6.5	6.4	6.4	6.2	6.8	6.4
90°	17.0	17.5	18.0	18.3	18.6	18.8	19.2
92.5°	25.8	26.3	26.4	26.3	26.1	25.9	25.8
95°	48.8	49.4	49.7	49.7	49.7	49.7	49.7
97.5°	75.7	76.4	76.7	76.6	76.6	76.6	76.5
100°	95.0	95.4	95.8	96.0	96.3	96.6	96.9
102.5°	117.4	117.8	118.1	118.0	117.9	117.9	117.8
105°	150.4	150.4	150.6	150.8	151.2	151.4	151.7
107.5°	187.1	187.6	187.7	187.5	187.4	187.2	187.0
110°	211.4	212.0	212.1	211.8	211.6	211.2	211.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	235.7	236.4	236.7	236.7	236.6	236.5	236.5
115°	272.0	272.1	272.1	272.0	271.8	271.7	271.6
117.5°	308.9	308.9	308.7	308.3	307.9	307.5	307.1
120°	333.6	333.5	333.2	333.0	332.6	332.4	332.1
122.5°	358.4	358.1	357.7	357.3	356.9	356.4	356.0
125°	395.4	394.8	394.3	393.7	393.1	392.6	392.0
127.5°	431.9	431.2	430.5	429.8	429.2	428.5	427.9
130°	456.6	456.1	455.3	454.3	453.3	452.3	451.3
132.5°	480.2	479.6	478.8	478.1	477.3	476.5	475.8
135°	515.9	515.4	514.9	514.6	514.4	514.0	513.8
137.5°	550.7	550.0	549.4	548.9	548.4	547.9	547.3
140°	573.9	573.7	573.2	572.2	571.2	570.2	569.2
142.5°	595.3	595.2	594.8	593.9	593.2	592.4	591.7
145°	626.8	626.6	626.3	625.7	625.2	624.6	624.0
147.5°	656.7	656.7	656.2	655.4	654.5	653.7	652.9
150°	675.1	675.1	674.7	673.8	672.9	672.1	671.2
152.5°	692.0	692.3	692.0	691.3	690.6	689.8	689.1
155°	716.9	717.5	717.2	716.2	715.3	714.3	713.3
157.5°	738.0	738.6	738.5	737.8	736.9	736.1	735.3
160°	751.1	751.8	751.9	751.3	750.7	750.2	749.6
162.5°	763.4	764.1	763.9	763.0	762.1	761.2	760.3
165°	778.9	779.8	779.8	778.8	777.7	776.7	775.8
167.5°	791.5	792.4	792.4	791.5	790.7	789.8	788.9
170°	798.5	799.5	799.5	798.5	797.5	796.5	795.5
172.5°	803.8	804.6	804.6	803.6	802.6	801.6	800.6
175°	809.5	810.4	810.3	809.3	808.4	807.3	806.3
177.5°	812.0	812.6	812.6	811.8	811.0	810.2	809.4
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5

(END OF REPORT)