

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: P332908-927

Luminaire Tested: **S124RDIP-S575D810U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332908-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-S575D810U927-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4157.9 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

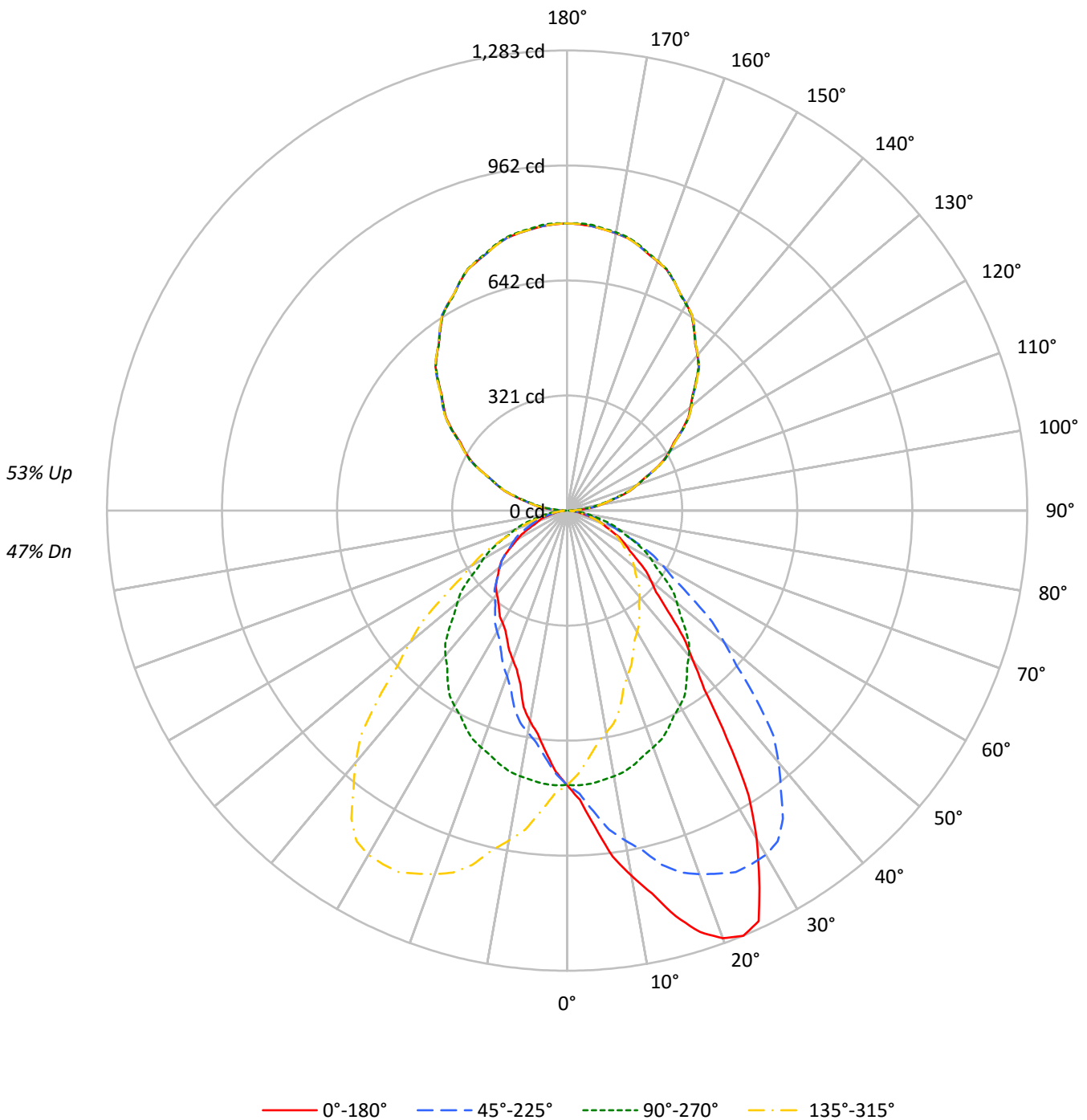
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332908-927

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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	98	98	98	98	81	81	81	67	67	67	53	53	53	47
1	97	93	90	86	89	86	83	80	72	70	68	59	58	56	47	46	46	40
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	42	41	39	34
3	81	72	65	60	75	67	61	56	56	52	48	47	44	41	38	36	34	29
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29	26
5	69	57	50	44	63	53	46	41	45	40	36	38	34	31	31	28	26	22
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	32	37	32	28	31	27	24	26	23	20	18
8	54	42	35	30	50	39	33	28	34	29	25	29	24	22	24	21	18	16
9	51	39	31	26	47	36	30	25	31	26	22	26	22	19	22	19	17	14
10	47	36	28	24	44	33	27	22	29	24	20	24	20	18	20	17	15	13

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

	0°	90°	180°	270°
0°	6176	6176	6176	6176
5°	7164	6195	5476	6195
10°	8475	6167	4887	6167
15°	9789	6110	4199	6110
20°	10899	6032	3797	6032
25°	11251	5955	3526	5955
30°	9849	5862	3361	5862
35°	7666	5723	3263	5723
40°	5750	5564	3209	5564
45°	4539	5310	3181	5310
50°	3832	5016	3090	5016
55°	3340	4694	2923	4694
60°	3006	4359	2588	4359
65°	2649	3998	2225	3998
70°	2386	3623	2009	3623
75°	1999	3213	1712	3213
80°	1692	2738	1604	2738
85°	1426	2140	1426	2140



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.1	1.8
10°-20°	223.6	5.4
20°-30°	349.7	8.4
30°-40°	388.8	9.4
40°-50°	344.9	8.3
50°-60°	268.8	6.5
60°-70°	176.0	4.2
70°-80°	86.5	2.1
80°-90°	23.7	0.6
90°-100°	52.8	1.3
100°-110°	156.5	3.8
110°-120°	265.6	6.4
120°-130°	350.2	8.4
130°-140°	393.3	9.5
140°-150°	386.4	9.3
150°-160°	325.0	7.8
160°-170°	216.2	5.2
170°-180°	75.7	1.8
0°-30°	647.4	15.6
0°-40°	1036.2	24.9
0°-60°	1649.9	39.7
0°-90°	1936.2	46.6
90°-120°	474.9	11.4
90°-150°	1604.7	38.6
90°-180°	2222.0	53.4
0°-180°	4157.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	765	765	765	765	765	
5°	884	764	676	764	884	89
15°	1171	731	502	731	1171	333
25°	1263	668	396	668	1263	560
35°	778	581	331	581	778	488
45°	398	465	279	465	398	315
55°	237	334	208	334	237	216
65°	139	209	116	209	139	140
75°	64	103	55	103	64	71
85°	15	23	15	23	15	18
90°	19	2	19	2	19	10
95°	49	37	49	37	49	51
105°	151	144	151	144	151	159
115°	268	270	268	270	268	264
125°	390	393	390	393	390	348
135°	508	507	508	507	508	392
145°	617	616	617	616	617	386
155°	705	706	705	706	705	325
165°	767	769	767	769	767	216
175°	796	800	796	800	796	76
180°	801	801	801	801	801	



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	806.9	809.1	806.9	806.7	804.2	803.5	802.5	799.3	793.4	789.9	790.7
5°	884.0	891.7	887.4	886.8	880.0	873.2	868.9	859.0	848.5	841.5	835.6
7.5°	973.1	977.6	974.9	970.5	959.6	953.3	943.3	930.3	911.6	897.1	884.1
10°	1033.8	1037.4	1036.3	1028.3	1020.3	1003.9	994.7	976.4	952.7	933.9	916.3
12.5°	1093.4	1097.4	1086.6	1087.0	1071.7	1058.8	1044.2	1021.4	993.9	969.6	947.7
15°	1171.2	1166.3	1166.3	1160.2	1143.2	1125.3	1110.2	1086.2	1051.6	1022.7	992.2
17.5°	1232.2	1233.9	1231.4	1216.8	1203.5	1185.0	1157.3	1129.3	1097.2	1058.3	1027.1
20°	1268.7	1268.7	1265.9	1256.0	1238.7	1219.0	1189.1	1158.6	1117.9	1078.8	1043.6
22.5°	1283.4	1284.4	1281.2	1273.0	1257.5	1238.3	1212.8	1181.8	1139.9	1095.8	1052.3
25°	1263.1	1268.9	1269.6	1267.4	1262.8	1251.1	1229.2	1197.5	1159.8	1112.1	1065.2
27.5°	1159.7	1167.0	1173.5	1184.2	1198.3	1205.8	1206.7	1190.6	1157.8	1111.8	1064.7
30°	1056.6	1062.7	1082.8	1109.0	1129.3	1147.8	1163.9	1168.2	1149.7	1108.3	1058.8
32.5°	942.1	950.5	970.6	998.8	1032.7	1064.0	1100.0	1118.3	1117.8	1093.1	1047.2
35°	777.9	784.1	802.6	832.2	872.9	919.4	976.4	1020.8	1051.1	1048.8	1020.8
37.5°	627.4	634.4	653.1	677.6	717.1	774.7	829.9	891.0	946.9	978.3	968.8
40°	545.6	545.9	564.0	589.3	626.3	676.5	736.7	804.5	866.7	917.6	927.4
42.5°	480.9	481.0	493.1	520.3	546.9	594.2	651.6	718.9	791.8	850.5	876.6
45°	397.6	400.4	410.3	426.6	447.5	487.6	533.5	596.1	677.8	747.4	790.9
47.5°	336.7	340.8	347.1	360.4	377.1	403.8	441.7	498.0	564.4	641.0	702.9
50°	305.1	305.8	313.8	321.2	335.6	357.0	390.2	437.0	498.1	571.7	640.5
52.5°	278.1	277.9	282.7	292.1	303.9	320.4	347.3	390.0	444.1	510.1	581.1
55°	237.3	238.8	242.6	249.9	258.9	270.6	291.9	323.9	366.5	422.9	487.3
57.5°	206.4	207.2	210.1	213.3	221.4	230.0	245.9	268.2	304.0	350.2	410.3
60°	186.2	186.5	187.4	192.0	198.5	206.5	217.3	236.1	266.3	308.6	356.0
62.5°	166.4	167.0	168.4	171.8	176.8	182.4	193.6	208.7	233.8	269.8	312.6
65°	138.7	139.0	141.2	142.4	146.4	151.3	159.6	169.8	187.1	217.3	249.7
67.5°	115.9	115.9	116.0	117.7	120.5	123.7	128.7	136.9	149.9	168.4	196.9
70°	101.1	101.1	101.7	102.7	104.2	106.9	109.7	115.9	125.5	140.5	162.4
72.5°	87.3	87.5	88.2	88.3	89.1	91.4	93.5	97.4	104.5	115.9	133.6
75°	64.1	65.0	66.5	67.8	69.3	69.1	71.2	73.7	75.8	82.6	92.8
77.5°	47.7	47.2	47.4	48.5	48.6	49.0	50.5	52.4	54.0	57.2	60.8
80°	36.4	36.4	37.3	37.6	37.3	37.6	39.1	40.1	40.7	41.9	45.3
82.5°	27.5	28.0	27.6	28.0	28.2	28.5	29.8	29.9	30.6	31.1	32.5
85°	15.4	15.7	16.0	15.4	15.4	15.4	16.0	16.3	17.0	16.6	17.3
87.5°	9.1	8.9	9.0	9.0	9.2	8.8	8.9	9.2	8.6	8.6	8.4
90°	18.6	18.3	18.1	17.7	17.5	17.0	16.1	15.3	14.4	13.6	12.5
92.5°	27.5	27.3	27.2	27.0	26.9	26.5	26.0	25.5	25.0	24.6	23.8
95°	49.0	49.0	49.0	49.0	49.0	48.7	48.3	47.9	47.5	47.1	46.1
97.5°	76.7	76.7	76.7	76.7	76.7	76.4	75.9	75.4	74.9	74.5	73.3
100°	96.0	96.0	96.0	96.0	96.0	95.9	95.6	95.3	95.1	94.7	93.5
102.5°	117.8	117.7	117.6	117.5	117.3	117.1	116.7	116.4	116.0	115.6	114.5
105°	151.1	150.7	150.3	149.9	149.5	149.0	148.6	148.2	147.8	147.4	146.9
107.5°	183.5	183.6	183.6	183.6	183.7	183.5	183.1	182.8	182.4	182.0	181.9
110°	206.8	206.4	206.0	205.7	205.2	205.1	205.4	205.7	206.0	206.2	206.4



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	230.6	230.5	230.4	230.4	230.3	230.3	230.4	230.4	230.4	230.5	230.8
115°	267.5	267.7	267.8	268.0	268.1	268.2	268.4	268.5	268.6	268.8	269.0
117.5°	302.7	303.0	303.2	303.6	303.8	304.2	304.7	305.1	305.6	306.1	306.3
120°	329.5	329.2	328.9	328.7	328.4	328.6	329.2	329.9	330.7	331.4	331.8
122.5°	351.8	352.3	352.8	353.2	353.8	354.3	354.7	355.1	355.6	356.1	356.3
125°	390.1	390.5	390.7	391.0	391.3	391.6	391.8	392.1	392.4	392.7	392.8
127.5°	425.7	426.0	426.2	426.4	426.6	426.8	427.1	427.4	427.7	427.9	428.2
130°	449.0	449.6	450.1	450.7	451.2	451.6	451.9	452.2	452.4	452.7	452.7
132.5°	473.8	474.0	474.2	474.4	474.7	474.9	475.2	475.5	475.7	476.0	476.1
135°	507.9	508.3	508.7	509.1	509.5	509.8	510.1	510.4	510.6	511.0	511.0
137.5°	543.7	543.5	543.4	543.4	543.3	543.4	543.8	544.2	544.5	544.9	544.6
140°	565.5	565.5	565.7	565.9	566.0	566.1	566.3	566.4	566.6	566.6	566.6
142.5°	587.2	587.2	587.3	587.3	587.3	587.4	587.4	587.4	587.5	587.5	587.6
145°	616.9	617.3	617.7	618.1	618.5	618.8	618.9	619.0	619.2	619.3	619.2
147.5°	646.8	647.0	647.1	647.2	647.4	647.5	647.6	647.7	647.8	647.9	648.0
150°	665.1	665.3	665.4	665.6	665.7	665.7	665.7	665.7	665.7	665.7	665.7
152.5°	682.0	682.4	682.7	683.1	683.4	683.4	683.1	682.8	682.5	682.1	682.0
155°	705.4	705.9	706.5	707.0	707.6	707.6	707.0	706.5	705.9	705.4	705.5
157.5°	726.4	726.8	727.3	727.8	728.2	728.3	727.9	727.4	727.0	726.6	726.6
160°	738.2	738.9	739.6	740.3	741.0	741.1	740.7	740.3	739.9	739.5	739.6
162.5°	750.6	751.3	752.0	752.7	753.4	753.4	752.6	751.9	751.1	750.4	750.5
165°	766.8	767.2	767.8	768.3	768.9	768.8	767.9	767.1	766.3	765.5	765.7
167.5°	778.2	779.1	779.9	780.8	781.6	781.6	780.9	780.0	779.2	778.3	778.3
170°	784.7	785.6	786.6	787.6	788.5	788.6	787.7	787.0	786.1	785.3	785.1
172.5°	790.1	791.1	792.0	793.1	794.0	794.0	793.1	792.1	791.2	790.3	790.2
175°	795.8	796.8	797.7	798.7	799.7	799.7	798.7	797.7	796.8	795.8	796.0
177.5°	798.8	799.7	800.6	801.5	802.3	802.4	801.6	800.8	800.0	799.3	799.3
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	788.2	784.7	783.0	779.0	774.4	771.9	769.7	766.5	762.3	757.9	754.6
5°	828.2	820.8	811.5	800.4	790.6	781.0	772.7	764.4	754.9	745.0	735.1
7.5°	869.3	854.7	839.0	820.8	803.1	787.0	772.2	758.0	742.0	727.6	714.5
10°	897.9	878.1	856.3	833.1	810.0	790.0	770.2	752.3	732.6	715.1	700.3
12.5°	921.1	897.9	871.6	842.7	814.9	790.7	768.0	744.7	722.3	703.2	683.5
15°	959.5	927.7	892.3	857.8	821.7	788.8	758.2	731.1	705.5	678.7	659.9
17.5°	986.0	948.2	905.2	863.7	821.1	782.2	747.0	714.7	685.2	657.8	635.4
20°	1001.7	960.1	912.4	865.1	817.4	775.8	737.9	702.1	671.6	642.1	618.9
22.5°	1010.6	964.6	912.4	862.9	813.5	768.4	726.8	689.6	656.3	626.8	601.2
25°	1013.4	964.1	910.8	854.1	799.9	752.1	708.9	668.5	631.5	602.0	574.8
27.5°	1009.5	951.4	896.8	838.6	782.7	732.3	687.0	644.5	607.5	575.8	548.0
30°	1003.5	941.4	882.7	822.4	765.6	717.2	669.5	628.8	590.3	557.3	529.3
32.5°	990.8	929.0	866.0	804.1	746.6	696.8	651.5	610.5	572.7	539.0	509.2
35°	965.4	902.8	834.3	770.9	714.5	662.7	620.1	580.7	544.6	508.6	477.1
37.5°	931.8	868.0	799.9	730.4	673.9	625.0	586.0	549.0	513.7	480.9	446.0
40°	900.3	842.1	771.8	702.7	644.8	597.6	561.6	528.0	492.6	459.9	425.0
42.5°	862.1	812.5	741.5	672.2	615.0	569.5	535.9	503.1	470.9	439.2	402.8
45°	798.3	760.7	694.1	627.6	569.9	524.9	494.1	465.1	436.7	406.5	372.3
47.5°	725.2	699.7	642.3	574.1	520.8	480.3	450.5	426.8	402.8	372.6	342.6
50°	674.4	658.1	602.6	540.3	489.5	452.2	421.7	399.4	379.5	350.5	323.6
52.5°	620.1	611.5	564.6	505.0	455.9	419.4	393.3	373.4	353.1	329.0	303.9
55°	537.6	542.2	502.4	450.9	404.7	373.9	350.1	333.5	316.2	295.9	276.5
57.5°	453.0	470.0	443.3	398.1	354.7	326.3	308.4	294.4	280.0	263.0	246.4
60°	402.5	416.7	401.6	361.9	323.9	297.5	280.8	270.0	255.5	240.1	227.4
62.5°	353.2	368.4	359.4	327.3	292.2	269.3	254.7	244.6	233.9	220.4	207.2
65°	291.3	301.1	296.8	274.6	249.7	230.2	216.7	209.3	199.4	189.6	177.8
67.5°	223.1	242.2	239.6	227.8	206.3	191.1	182.2	175.7	166.7	159.4	151.4
70°	183.4	201.0	200.7	191.1	179.4	165.2	159.1	153.5	145.4	138.4	131.9
72.5°	150.1	166.2	168.6	161.3	153.3	142.5	136.6	132.8	125.0	120.2	114.9
75°	105.1	116.8	119.9	119.9	116.2	110.7	105.4	103.0	97.4	93.1	90.0
77.5°	68.9	76.3	81.1	82.2	82.8	81.0	76.6	74.9	70.7	69.1	66.1
80°	48.7	53.6	59.2	61.0	62.6	61.9	60.1	58.9	54.9	53.3	52.1
82.5°	33.7	36.4	41.0	45.0	44.6	46.2	44.6	43.6	40.6	40.0	38.7
85°	17.6	17.9	18.5	21.2	22.8	23.4	23.8	23.1	22.2	22.2	20.0
87.5°	8.2	7.8	8.0	7.8	7.7	8.4	8.8	8.8	8.3	7.8	7.4
90°	11.4	10.3	9.2	7.9	6.4	4.9	3.4	1.8	3.4	4.9	6.4
92.5°	23.0	22.2	21.5	20.2	18.5	16.7	15.0	13.2	15.0	16.7	18.5
95°	45.2	44.2	43.3	42.1	40.9	39.6	38.4	37.2	38.4	39.6	40.9
97.5°	72.2	71.1	69.9	68.8	67.9	66.9	65.9	64.9	65.9	66.9	67.9
100°	92.3	91.0	89.8	88.9	88.3	87.8	87.2	86.7	87.2	87.8	88.3
102.5°	113.3	112.2	111.1	110.4	110.2	110.0	109.7	109.5	109.7	110.0	110.2
105°	146.3	145.8	145.2	144.9	144.7	144.6	144.4	144.3	144.4	144.6	144.7
107.5°	181.8	181.7	181.6	181.5	181.3	181.2	181.0	180.9	181.0	181.2	181.3
110°	206.5	206.7	206.8	206.7	206.4	206.1	205.9	205.7	205.9	206.1	206.4





TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	231.0	231.2	231.5	231.6	231.6	231.5	231.4	231.4	231.4	231.5	231.6
115°	269.3	269.6	269.9	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
117.5°	306.4	306.7	306.8	306.9	306.7	306.7	306.6	306.4	306.6	306.7	306.7
120°	332.2	332.6	333.0	333.0	332.4	331.8	331.3	330.7	331.3	331.8	332.4
122.5°	356.5	356.7	356.9	356.9	356.6	356.4	356.2	356.0	356.2	356.4	356.6
125°	392.9	393.1	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2
127.5°	428.4	428.6	428.8	428.7	428.3	427.9	427.5	427.1	427.5	427.9	428.3
130°	452.7	452.7	452.7	452.5	452.1	451.7	451.3	450.8	451.3	451.7	452.1
132.5°	476.3	476.3	476.4	476.3	476.0	475.8	475.5	475.2	475.5	475.8	476.0
135°	511.0	511.0	511.0	510.6	509.7	508.9	508.0	507.2	508.0	508.9	509.7
137.5°	544.5	544.2	544.0	543.7	543.3	542.9	542.6	542.2	542.6	542.9	543.3
140°	566.6	566.6	566.6	566.6	566.3	566.0	565.7	565.5	565.7	566.0	566.3
142.5°	587.7	587.8	588.0	587.9	587.6	587.3	587.0	586.8	587.0	587.3	587.6
145°	619.0	618.9	618.8	618.5	617.9	617.3	616.8	616.2	616.8	617.3	617.9
147.5°	648.2	648.2	648.4	648.1	647.5	646.7	646.1	645.5	646.1	646.7	647.5
150°	665.7	665.7	665.7	665.5	665.0	664.4	663.8	663.3	663.8	664.4	665.0
152.5°	681.9	681.8	681.7	681.4	681.1	680.8	680.5	680.2	680.5	680.8	681.1
155°	705.7	705.8	705.9	706.0	706.0	706.0	706.0	706.0	706.0	706.0	706.0
157.5°	726.7	726.7	726.7	726.8	727.1	727.3	727.5	727.9	727.5	727.3	727.1
160°	739.7	739.9	740.0	740.1	740.3	740.5	740.5	740.7	740.5	740.5	740.3
162.5°	750.7	750.8	750.9	751.1	751.5	751.9	752.3	752.6	752.3	751.9	751.5
165°	766.0	766.3	766.6	766.9	767.3	767.8	768.2	768.6	768.2	767.8	767.3
167.5°	778.3	778.2	778.2	778.6	779.1	779.7	780.2	780.9	780.2	779.7	779.1
170°	785.1	784.9	784.7	785.1	785.7	786.4	787.1	787.7	787.1	786.4	785.7
172.5°	790.2	790.2	790.1	790.4	791.0	791.5	792.2	792.7	792.2	791.5	791.0
175°	796.1	796.2	796.4	796.8	797.5	798.1	798.8	799.5	798.8	798.1	797.5
177.5°	799.3	799.3	799.3	799.5	800.1	800.7	801.2	801.8	801.2	800.7	800.1
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	751.2	748.8	745.5	741.8	737.4	733.5	731.7	733.2	734.0	732.0	731.7
5°	728.3	720.6	714.5	705.2	697.8	691.7	687.3	685.5	686.1	681.2	679.9
7.5°	702.6	693.5	683.4	672.4	662.2	653.2	648.4	645.8	640.6	638.3	634.5
10°	686.1	673.8	663.9	650.9	639.3	628.4	623.2	618.9	613.7	611.2	605.9
12.5°	669.1	654.8	644.0	630.5	618.5	605.5	600.6	592.6	584.3	579.2	572.4
15°	645.1	627.9	614.6	598.6	584.4	569.6	556.3	541.5	536.0	524.3	517.5
17.5°	617.0	599.5	583.1	561.7	539.8	521.4	507.2	493.1	484.6	477.1	473.6
20°	598.6	582.6	559.8	534.8	510.4	490.0	478.6	469.4	460.2	455.0	451.2
22.5°	581.1	560.6	534.1	507.2	482.8	466.9	457.2	447.7	440.2	435.2	430.3
25°	551.8	524.9	496.9	466.0	449.4	435.5	425.0	417.3	412.7	406.2	403.8
27.5°	521.6	489.1	458.1	437.4	420.1	407.4	398.3	392.5	386.7	382.5	379.3
30°	498.4	465.4	437.7	418.0	400.4	389.9	382.5	375.7	371.1	367.7	365.3
32.5°	475.5	442.5	419.1	398.0	384.1	373.9	366.0	360.9	357.3	352.9	351.4
35°	442.3	413.0	392.7	373.6	359.4	350.1	344.0	338.7	335.6	334.5	333.5
37.5°	410.4	386.4	364.6	348.9	336.3	329.0	321.7	319.2	317.0	314.8	315.8
40°	390.2	367.7	348.3	331.7	321.5	313.5	309.1	306.1	304.2	304.2	304.2
42.5°	372.7	350.7	331.8	316.9	306.7	299.9	295.1	292.5	291.9	291.6	293.1
45°	345.5	325.2	306.1	293.7	285.1	278.3	275.5	273.4	273.4	274.6	275.0
47.5°	318.6	299.5	284.2	270.4	262.4	258.3	255.8	254.7	254.8	256.0	257.5
50°	302.1	283.3	268.2	255.8	248.4	244.4	242.2	241.6	242.2	242.2	244.4
52.5°	284.1	267.2	252.4	242.0	233.6	229.9	228.7	227.8	228.2	229.2	230.1
55°	257.7	242.6	228.4	218.6	212.4	209.9	207.2	207.5	206.8	207.5	207.5
57.5°	231.2	217.7	204.5	196.6	191.2	187.7	184.7	185.4	184.6	184.4	183.9
60°	214.2	199.4	188.9	181.9	175.7	172.6	169.8	170.5	169.5	168.9	167.7
62.5°	195.7	183.4	173.4	166.6	161.6	158.0	155.3	154.6	152.5	150.4	147.7
65°	168.9	158.8	149.8	143.3	138.7	135.9	133.8	131.9	127.3	122.4	119.9
67.5°	142.8	135.5	127.1	121.7	118.0	114.3	110.2	107.0	102.7	100.0	98.5
70°	126.0	119.0	111.9	106.6	102.7	99.3	94.6	92.4	89.4	88.2	86.6
72.5°	110.0	103.5	96.8	92.1	87.9	85.2	81.6	79.4	78.0	77.6	76.0
75°	85.7	80.5	75.5	71.2	67.8	66.0	64.4	62.9	62.3	59.5	57.9
77.5°	62.5	59.0	56.0	52.9	50.5	49.3	46.3	44.5	43.5	42.1	41.8
80°	48.7	46.3	43.2	41.3	37.9	36.7	35.4	35.2	34.9	34.5	34.2
82.5°	36.6	34.1	31.1	29.9	29.1	28.3	27.6	27.3	26.9	27.1	27.1
85°	18.5	17.3	17.3	17.0	16.6	16.3	16.0	16.0	15.7	16.0	15.7
87.5°	7.8	7.8	8.0	7.7	8.2	8.4	8.3	8.5	8.9	8.6	8.6
90°	7.9	9.2	10.3	11.4	12.5	13.6	14.4	15.3	16.1	17.0	17.5
92.5°	20.2	21.5	22.2	23.0	23.8	24.6	25.0	25.5	26.0	26.5	26.9
95°	42.1	43.3	44.2	45.2	46.1	47.1	47.5	47.9	48.3	48.7	49.0
97.5°	68.8	69.9	71.1	72.2	73.3	74.5	74.9	75.4	75.9	76.4	76.7
100°	88.9	89.8	91.0	92.3	93.5	94.7	95.1	95.3	95.6	95.9	96.0
102.5°	110.4	111.1	112.2	113.3	114.5	115.6	116.0	116.4	116.7	117.1	117.3
105°	144.9	145.2	145.8	146.3	146.9	147.4	147.8	148.2	148.6	149.0	149.5
107.5°	181.5	181.6	181.7	181.8	181.9	182.0	182.4	182.8	183.1	183.5	183.7
110°	206.7	206.8	206.7	206.5	206.4	206.2	206.0	205.7	205.4	205.1	205.2



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	231.6	231.5	231.2	231.0	230.8	230.5	230.4	230.4	230.4	230.3	230.3
115°	270.1	269.9	269.6	269.3	269.0	268.8	268.6	268.5	268.4	268.2	268.1
117.5°	306.9	306.8	306.7	306.4	306.3	306.1	305.6	305.1	304.7	304.2	303.8
120°	333.0	333.0	332.6	332.2	331.8	331.4	330.7	329.9	329.2	328.6	328.4
122.5°	356.9	356.9	356.7	356.5	356.3	356.1	355.6	355.1	354.7	354.3	353.8
125°	393.2	393.2	393.1	392.9	392.8	392.7	392.4	392.1	391.8	391.6	391.3
127.5°	428.7	428.8	428.6	428.4	428.2	427.9	427.7	427.4	427.1	426.8	426.6
130°	452.5	452.7	452.7	452.7	452.7	452.7	452.4	452.2	451.9	451.6	451.2
132.5°	476.3	476.4	476.3	476.3	476.1	476.0	475.7	475.5	475.2	474.9	474.7
135°	510.6	511.0	511.0	511.0	511.0	511.0	510.6	510.4	510.1	509.8	509.5
137.5°	543.7	544.0	544.2	544.5	544.6	544.9	544.5	544.2	543.8	543.4	543.3
140°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.4	566.3	566.1	566.0
142.5°	587.9	588.0	587.8	587.7	587.6	587.5	587.5	587.4	587.4	587.4	587.3
145°	618.5	618.8	618.9	619.0	619.2	619.3	619.2	619.0	618.9	618.8	618.5
147.5°	648.1	648.4	648.2	648.2	648.0	647.9	647.8	647.7	647.6	647.5	647.4
150°	665.5	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7
152.5°	681.4	681.7	681.8	681.9	682.0	682.1	682.5	682.8	683.1	683.4	683.4
155°	706.0	705.9	705.8	705.7	705.5	705.4	705.9	706.5	707.0	707.6	707.6
157.5°	726.8	726.7	726.7	726.7	726.6	726.6	727.0	727.4	727.9	728.3	728.2
160°	740.1	740.0	739.9	739.7	739.6	739.5	739.9	740.3	740.7	741.1	741.0
162.5°	751.1	750.9	750.8	750.7	750.5	750.4	751.1	751.9	752.6	753.4	753.4
165°	766.9	766.6	766.3	766.0	765.7	765.5	766.3	767.1	767.9	768.8	768.9
167.5°	778.6	778.2	778.2	778.3	778.3	778.3	779.2	780.0	780.9	781.6	781.6
170°	785.1	784.7	784.9	785.1	785.1	785.3	786.1	787.0	787.7	788.6	788.5
172.5°	790.4	790.1	790.2	790.2	790.2	790.3	791.2	792.1	793.1	794.0	794.0
175°	796.8	796.4	796.2	796.1	796.0	795.8	796.8	797.7	798.7	799.7	799.7
177.5°	799.5	799.3	799.3	799.3	799.3	799.3	800.0	800.8	801.6	802.4	802.3
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	730.2	730.7	729.0	728.5	729.0	730.7	730.2	731.7	732.0	734.0	733.2
5°	677.5	676.8	675.3	675.7	675.3	676.8	677.5	679.9	681.2	686.1	685.5
7.5°	632.3	629.9	630.7	628.1	630.7	629.9	632.3	634.5	638.3	640.6	645.8
10°	604.8	601.3	598.6	596.1	598.6	601.3	604.8	605.9	611.2	613.7	618.9
12.5°	567.0	564.1	560.3	561.1	560.3	564.1	567.0	572.4	579.2	584.3	592.6
15°	513.5	508.9	501.5	502.4	501.5	508.9	513.5	517.5	524.3	536.0	541.5
17.5°	468.2	468.3	464.9	465.6	464.9	468.3	468.2	473.6	477.1	484.6	493.1
20°	444.7	442.6	442.9	442.0	442.9	442.6	444.7	451.2	455.0	460.2	469.4
22.5°	428.5	425.9	423.7	421.8	423.7	425.9	428.5	430.3	435.2	440.2	447.7
25°	401.0	399.2	396.4	395.8	396.4	399.2	401.0	403.8	406.2	412.7	417.3
27.5°	376.8	376.4	375.3	373.9	375.3	376.4	376.8	379.3	382.5	386.7	392.5
30°	362.7	362.2	361.6	360.6	361.6	362.2	362.7	365.3	367.7	371.1	375.7
32.5°	350.2	349.8	349.2	349.3	349.2	349.8	350.2	351.4	352.9	357.3	360.9
35°	332.2	331.9	331.4	331.1	331.4	331.9	332.2	333.5	334.5	335.6	338.7
37.5°	315.5	316.3	315.9	315.8	315.9	316.3	315.5	315.8	314.8	317.0	319.2
40°	303.9	304.2	304.8	304.5	304.8	304.2	303.9	304.2	304.2	304.2	306.1
42.5°	294.3	294.4	295.2	294.1	295.2	294.4	294.3	293.1	291.6	291.9	292.5
45°	277.1	278.9	278.6	278.6	278.6	278.9	277.1	275.0	274.6	273.4	273.4
47.5°	258.3	259.9	260.3	260.2	260.3	259.9	258.3	257.5	256.0	254.8	254.7
50°	246.0	245.3	246.3	246.0	246.3	245.3	246.0	244.4	242.2	242.2	241.6
52.5°	230.9	231.1	231.0	230.7	231.0	231.1	230.9	230.1	229.2	228.2	227.8
55°	207.7	208.0	207.5	207.7	207.5	208.0	207.7	207.5	207.5	206.8	207.5
57.5°	182.6	181.1	181.7	181.0	181.7	181.1	182.6	183.9	184.4	184.6	185.4
60°	164.6	162.2	161.5	160.3	161.5	162.2	164.6	167.7	168.9	169.5	170.5
62.5°	144.3	142.7	140.5	141.6	140.5	142.7	144.3	147.7	150.4	152.5	154.6
65°	117.4	116.2	115.3	116.5	115.3	116.2	117.4	119.9	122.4	127.3	131.9
67.5°	97.2	96.6	96.6	95.9	96.6	96.6	97.2	98.5	100.0	102.7	107.0
70°	86.6	85.7	85.7	85.1	85.7	85.7	86.6	86.6	88.2	89.4	92.4
72.5°	75.7	74.9	75.1	74.7	75.1	74.9	75.7	76.0	77.6	78.0	79.4
75°	56.1	54.6	54.6	54.9	54.6	54.6	56.1	57.9	59.5	62.3	62.9
77.5°	41.8	41.5	42.0	41.4	42.0	41.5	41.8	41.8	42.1	43.5	44.5
80°	34.2	33.9	33.6	34.5	33.6	33.9	34.2	34.2	34.5	34.9	35.2
82.5°	26.5	26.5	26.5	27.6	26.5	26.5	26.5	27.1	27.1	26.9	27.3
85°	16.0	15.4	16.0	15.4	16.0	15.4	16.0	15.7	16.0	15.7	16.0
87.5°	9.2	9.0	8.9	9.1	8.9	9.0	9.2	8.6	8.6	8.9	8.5
90°	17.7	18.1	18.3	18.6	18.3	18.1	17.7	17.5	17.0	16.1	15.3
92.5°	27.0	27.2	27.3	27.5	27.3	27.2	27.0	26.9	26.5	26.0	25.5
95°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	48.7	48.3	47.9
97.5°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.4	75.9	75.4
100°	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	95.9	95.6	95.3
102.5°	117.5	117.6	117.7	117.8	117.7	117.6	117.5	117.3	117.1	116.7	116.4
105°	149.9	150.3	150.7	151.1	150.7	150.3	149.9	149.5	149.0	148.6	148.2
107.5°	183.6	183.6	183.6	183.5	183.6	183.6	183.6	183.7	183.5	183.1	182.8
110°	205.7	206.0	206.4	206.8	206.4	206.0	205.7	205.2	205.1	205.4	205.7



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	230.4	230.4	230.5	230.6	230.5	230.4	230.4	230.3	230.3	230.4	230.4
115°	268.0	267.8	267.7	267.5	267.7	267.8	268.0	268.1	268.2	268.4	268.5
117.5°	303.6	303.2	303.0	302.7	303.0	303.2	303.6	303.8	304.2	304.7	305.1
120°	328.7	328.9	329.2	329.5	329.2	328.9	328.7	328.4	328.6	329.2	329.9
122.5°	353.2	352.8	352.3	351.8	352.3	352.8	353.2	353.8	354.3	354.7	355.1
125°	391.0	390.7	390.5	390.1	390.5	390.7	391.0	391.3	391.6	391.8	392.1
127.5°	426.4	426.2	426.0	425.7	426.0	426.2	426.4	426.6	426.8	427.1	427.4
130°	450.7	450.1	449.6	449.0	449.6	450.1	450.7	451.2	451.6	451.9	452.2
132.5°	474.4	474.2	474.0	473.8	474.0	474.2	474.4	474.7	474.9	475.2	475.5
135°	509.1	508.7	508.3	507.9	508.3	508.7	509.1	509.5	509.8	510.1	510.4
137.5°	543.4	543.4	543.5	543.7	543.5	543.4	543.4	543.3	543.4	543.8	544.2
140°	565.9	565.7	565.5	565.5	565.5	565.7	565.9	566.0	566.1	566.3	566.4
142.5°	587.3	587.3	587.2	587.2	587.2	587.3	587.3	587.3	587.4	587.4	587.4
145°	618.1	617.7	617.3	616.9	617.3	617.7	618.1	618.5	618.8	618.9	619.0
147.5°	647.2	647.1	647.0	646.8	647.0	647.1	647.2	647.4	647.5	647.6	647.7
150°	665.6	665.4	665.3	665.1	665.3	665.4	665.6	665.7	665.7	665.7	665.7
152.5°	683.1	682.7	682.4	682.0	682.4	682.7	683.1	683.4	683.4	683.1	682.8
155°	707.0	706.5	705.9	705.4	705.9	706.5	707.0	707.6	707.6	707.0	706.5
157.5°	727.8	727.3	726.8	726.4	726.8	727.3	727.8	728.2	728.3	727.9	727.4
160°	740.3	739.6	738.9	738.2	738.9	739.6	740.3	741.0	741.1	740.7	740.3
162.5°	752.7	752.0	751.3	750.6	751.3	752.0	752.7	753.4	753.4	752.6	751.9
165°	768.3	767.8	767.2	766.8	767.2	767.8	768.3	768.9	768.8	767.9	767.1
167.5°	780.8	779.9	779.1	778.2	779.1	779.9	780.8	781.6	781.6	780.9	780.0
170°	787.6	786.6	785.6	784.7	785.6	786.6	787.6	788.5	788.6	787.7	787.0
172.5°	793.1	792.0	791.1	790.1	791.1	792.0	793.1	794.0	794.0	793.1	792.1
175°	798.7	797.7	796.8	795.8	796.8	797.7	798.7	799.7	799.7	798.7	797.7
177.5°	801.5	800.6	799.7	798.8	799.7	800.6	801.5	802.3	802.4	801.6	800.8
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	731.7	733.5	737.4	741.8	745.5	748.8	751.2	754.6	757.9	762.3	766.5
5°	687.3	691.7	697.8	705.2	714.5	720.6	728.3	735.1	745.0	754.9	764.4
7.5°	648.4	653.2	662.2	672.4	683.4	693.5	702.6	714.5	727.6	742.0	758.0
10°	623.2	628.4	639.3	650.9	663.9	673.8	686.1	700.3	715.1	732.6	752.3
12.5°	600.6	605.5	618.5	630.5	644.0	654.8	669.1	683.5	703.2	722.3	744.7
15°	556.3	569.6	584.4	598.6	614.6	627.9	645.1	659.9	678.7	705.5	731.1
17.5°	507.2	521.4	539.8	561.7	583.1	599.5	617.0	635.4	657.8	685.2	714.7
20°	478.6	490.0	510.4	534.8	559.8	582.6	598.6	618.9	642.1	671.6	702.1
22.5°	457.2	466.9	482.8	507.2	534.1	560.6	581.1	601.2	626.8	656.3	689.6
25°	425.0	435.5	449.4	466.0	496.9	524.9	551.8	574.8	602.0	631.5	668.5
27.5°	398.3	407.4	420.1	437.4	458.1	489.1	521.6	548.0	575.8	607.5	644.5
30°	382.5	389.9	400.4	418.0	437.7	465.4	498.4	529.3	557.3	590.3	628.8
32.5°	366.0	373.9	384.1	398.0	419.1	442.5	475.5	509.2	539.0	572.7	610.5
35°	344.0	350.1	359.4	373.6	392.7	413.0	442.3	477.1	508.6	544.6	580.7
37.5°	321.7	329.0	336.3	348.9	364.6	386.4	410.4	446.0	480.9	513.7	549.0
40°	309.1	313.5	321.5	331.7	348.3	367.7	390.2	425.0	459.9	492.6	528.0
42.5°	295.1	299.9	306.7	316.9	331.8	350.7	372.7	402.8	439.2	470.9	503.1
45°	275.5	278.3	285.1	293.7	306.1	325.2	345.5	372.3	406.5	436.7	465.1
47.5°	255.8	258.3	262.4	270.4	284.2	299.5	318.6	342.6	372.6	402.8	426.8
50°	242.2	244.4	248.4	255.8	268.2	283.3	302.1	323.6	350.5	379.5	399.4
52.5°	228.7	229.9	233.6	242.0	252.4	267.2	284.1	303.9	329.0	353.1	373.4
55°	207.2	209.9	212.4	218.6	228.4	242.6	257.7	276.5	295.9	316.2	333.5
57.5°	184.7	187.7	191.2	196.6	204.5	217.7	231.2	246.4	263.0	280.0	294.4
60°	169.8	172.6	175.7	181.9	188.9	199.4	214.2	227.4	240.1	255.5	270.0
62.5°	155.3	158.0	161.6	166.6	173.4	183.4	195.7	207.2	220.4	233.9	244.6
65°	133.8	135.9	138.7	143.3	149.8	158.8	168.9	177.8	189.6	199.4	209.3
67.5°	110.2	114.3	118.0	121.7	127.1	135.5	142.8	151.4	159.4	166.7	175.7
70°	94.6	99.3	102.7	106.6	111.9	119.0	126.0	131.9	138.4	145.4	153.5
72.5°	81.6	85.2	87.9	92.1	96.8	103.5	110.0	114.9	120.2	125.0	132.8
75°	64.4	66.0	67.8	71.2	75.5	80.5	85.7	90.0	93.1	97.4	103.0
77.5°	46.3	49.3	50.5	52.9	56.0	59.0	62.5	66.1	69.1	70.7	74.9
80°	35.4	36.7	37.9	41.3	43.2	46.3	48.7	52.1	53.3	54.9	58.9
82.5°	27.6	28.3	29.1	29.9	31.1	34.1	36.6	38.7	40.0	40.6	43.6
85°	16.0	16.3	16.6	17.0	17.3	17.3	18.5	20.0	22.2	22.2	23.1
87.5°	8.3	8.4	8.2	7.7	8.0	7.8	7.8	7.4	7.8	8.3	8.8
90°	14.4	13.6	12.5	11.4	10.3	9.2	7.9	6.4	4.9	3.4	1.8
92.5°	25.0	24.6	23.8	23.0	22.2	21.5	20.2	18.5	16.7	15.0	13.2
95°	47.5	47.1	46.1	45.2	44.2	43.3	42.1	40.9	39.6	38.4	37.2
97.5°	74.9	74.5	73.3	72.2	71.1	69.9	68.8	67.9	66.9	65.9	64.9
100°	95.1	94.7	93.5	92.3	91.0	89.8	88.9	88.3	87.8	87.2	86.7
102.5°	116.0	115.6	114.5	113.3	112.2	111.1	110.4	110.2	110.0	109.7	109.5
105°	147.8	147.4	146.9	146.3	145.8	145.2	144.9	144.7	144.6	144.4	144.3
107.5°	182.4	182.0	181.9	181.8	181.7	181.6	181.5	181.3	181.2	181.0	180.9
110°	206.0	206.2	206.4	206.5	206.7	206.8	206.7	206.4	206.1	205.9	205.7



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	230.4	230.5	230.8	231.0	231.2	231.5	231.6	231.6	231.5	231.4	231.4
115°	268.6	268.8	269.0	269.3	269.6	269.9	270.1	270.1	270.1	270.1	270.1
117.5°	305.6	306.1	306.3	306.4	306.7	306.8	306.9	306.7	306.7	306.6	306.4
120°	330.7	331.4	331.8	332.2	332.6	333.0	333.0	332.4	331.8	331.3	330.7
122.5°	355.6	356.1	356.3	356.5	356.7	356.9	356.9	356.6	356.4	356.2	356.0
125°	392.4	392.7	392.8	392.9	393.1	393.2	393.2	393.2	393.2	393.2	393.2
127.5°	427.7	427.9	428.2	428.4	428.6	428.8	428.7	428.3	427.9	427.5	427.1
130°	452.4	452.7	452.7	452.7	452.7	452.7	452.5	452.1	451.7	451.3	450.8
132.5°	475.7	476.0	476.1	476.3	476.3	476.4	476.3	476.0	475.8	475.5	475.2
135°	510.6	511.0	511.0	511.0	511.0	511.0	510.6	509.7	508.9	508.0	507.2
137.5°	544.5	544.9	544.6	544.5	544.2	544.0	543.7	543.3	542.9	542.6	542.2
140°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.3	566.0	565.7	565.5
142.5°	587.5	587.5	587.6	587.7	587.8	588.0	587.9	587.6	587.3	587.0	586.8
145°	619.2	619.3	619.2	619.0	618.9	618.8	618.5	617.9	617.3	616.8	616.2
147.5°	647.8	647.9	648.0	648.2	648.2	648.4	648.1	647.5	646.7	646.1	645.5
150°	665.7	665.7	665.7	665.7	665.7	665.7	665.5	665.0	664.4	663.8	663.3
152.5°	682.5	682.1	682.0	681.9	681.8	681.7	681.4	681.1	680.8	680.5	680.2
155°	705.9	705.4	705.5	705.7	705.8	705.9	706.0	706.0	706.0	706.0	706.0
157.5°	727.0	726.6	726.6	726.7	726.7	726.7	726.8	727.1	727.3	727.5	727.9
160°	739.9	739.5	739.6	739.7	739.9	740.0	740.1	740.3	740.5	740.5	740.7
162.5°	751.1	750.4	750.5	750.7	750.8	750.9	751.1	751.5	751.9	752.3	752.6
165°	766.3	765.5	765.7	766.0	766.3	766.6	766.9	767.3	767.8	768.2	768.6
167.5°	779.2	778.3	778.3	778.3	778.2	778.2	778.6	779.1	779.7	780.2	780.9
170°	786.1	785.3	785.1	785.1	784.9	784.7	785.1	785.7	786.4	787.1	787.7
172.5°	791.2	790.3	790.2	790.2	790.2	790.1	790.4	791.0	791.5	792.2	792.7
175°	796.8	795.8	796.0	796.1	796.2	796.4	796.8	797.5	798.1	798.8	799.5
177.5°	800.0	799.3	799.3	799.3	799.3	799.3	799.5	800.1	800.7	801.2	801.8
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	769.7	771.9	774.4	779.0	783.0	784.7	788.2	790.7	789.9	793.4	799.3
5°	772.7	781.0	790.6	800.4	811.5	820.8	828.2	835.6	841.5	848.5	859.0
7.5°	772.2	787.0	803.1	820.8	839.0	854.7	869.3	884.1	897.1	911.6	930.3
10°	770.2	790.0	810.0	833.1	856.3	878.1	897.9	916.3	933.9	952.7	976.4
12.5°	768.0	790.7	814.9	842.7	871.6	897.9	921.1	947.7	969.6	993.9	1021.4
15°	758.2	788.8	821.7	857.8	892.3	927.7	959.5	992.2	1022.7	1051.6	1086.2
17.5°	747.0	782.2	821.1	863.7	905.2	948.2	986.0	1027.1	1058.3	1097.2	1129.3
20°	737.9	775.8	817.4	865.1	912.4	960.1	1001.7	1043.6	1078.8	1117.9	1158.6
22.5°	726.8	768.4	813.5	862.9	912.4	964.6	1010.6	1052.3	1095.8	1139.9	1181.8
25°	708.9	752.1	799.9	854.1	910.8	964.1	1013.4	1065.2	1112.1	1159.8	1197.5
27.5°	687.0	732.3	782.7	838.6	896.8	951.4	1009.5	1064.7	1111.8	1157.8	1190.6
30°	669.5	717.2	765.6	822.4	882.7	941.4	1003.5	1058.8	1108.3	1149.7	1168.2
32.5°	651.5	696.8	746.6	804.1	866.0	929.0	990.8	1047.2	1093.1	1117.8	1118.3
35°	620.1	662.7	714.5	770.9	834.3	902.8	965.4	1020.8	1048.8	1051.1	1020.8
37.5°	586.0	625.0	673.9	730.4	799.9	868.0	931.8	968.8	978.3	946.9	891.0
40°	561.6	597.6	644.8	702.7	771.8	842.1	900.3	927.4	917.6	866.7	804.5
42.5°	535.9	569.5	615.0	672.2	741.5	812.5	862.1	876.6	850.5	791.8	718.9
45°	494.1	524.9	569.9	627.6	694.1	760.7	798.3	790.9	747.4	677.8	596.1
47.5°	450.5	480.3	520.8	574.1	642.3	699.7	725.2	702.9	641.0	564.4	498.0
50°	421.7	452.2	489.5	540.3	602.6	658.1	674.4	640.5	571.7	498.1	437.0
52.5°	393.3	419.4	455.9	505.0	564.6	611.5	620.1	581.1	510.1	444.1	390.0
55°	350.1	373.9	404.7	450.9	502.4	542.2	537.6	487.3	422.9	366.5	323.9
57.5°	308.4	326.3	354.7	398.1	443.3	470.0	453.0	410.3	350.2	304.0	268.2
60°	280.8	297.5	323.9	361.9	401.6	416.7	402.5	356.0	308.6	266.3	236.1
62.5°	254.7	269.3	292.2	327.3	359.4	368.4	353.2	312.6	269.8	233.8	208.7
65°	216.7	230.2	249.7	274.6	296.8	301.1	291.3	249.7	217.3	187.1	169.8
67.5°	182.2	191.1	206.3	227.8	239.6	242.2	223.1	196.9	168.4	149.9	136.9
70°	159.1	165.2	179.4	191.1	200.7	201.0	183.4	162.4	140.5	125.5	115.9
72.5°	136.6	142.5	153.3	161.3	168.6	166.2	150.1	133.6	115.9	104.5	97.4
75°	105.4	110.7	116.2	119.9	119.9	116.8	105.1	92.8	82.6	75.8	73.7
77.5°	76.6	81.0	82.8	82.2	81.1	76.3	68.9	60.8	57.2	54.0	52.4
80°	60.1	61.9	62.6	61.0	59.2	53.6	48.7	45.3	41.9	40.7	40.1
82.5°	44.6	46.2	44.6	45.0	41.0	36.4	33.7	32.5	31.1	30.6	29.9
85°	23.8	23.4	22.8	21.2	18.5	17.9	17.6	17.3	16.6	17.0	16.3
87.5°	8.8	8.4	7.7	7.8	8.0	7.8	8.2	8.4	8.6	8.6	9.2
90°	3.4	4.9	6.4	7.9	9.2	10.3	11.4	12.5	13.6	14.4	15.3
92.5°	15.0	16.7	18.5	20.2	21.5	22.2	23.0	23.8	24.6	25.0	25.5
95°	38.4	39.6	40.9	42.1	43.3	44.2	45.2	46.1	47.1	47.5	47.9
97.5°	65.9	66.9	67.9	68.8	69.9	71.1	72.2	73.3	74.5	74.9	75.4
100°	87.2	87.8	88.3	88.9	89.8	91.0	92.3	93.5	94.7	95.1	95.3
102.5°	109.7	110.0	110.2	110.4	111.1	112.2	113.3	114.5	115.6	116.0	116.4
105°	144.4	144.6	144.7	144.9	145.2	145.8	146.3	146.9	147.4	147.8	148.2
107.5°	181.0	181.2	181.3	181.5	181.6	181.7	181.8	181.9	182.0	182.4	182.8
110°	205.9	206.1	206.4	206.7	206.8	206.7	206.5	206.4	206.2	206.0	205.7





TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	231.4	231.5	231.6	231.6	231.5	231.2	231.0	230.8	230.5	230.4	230.4
115°	270.1	270.1	270.1	270.1	269.9	269.6	269.3	269.0	268.8	268.6	268.5
117.5°	306.6	306.7	306.7	306.9	306.8	306.7	306.4	306.3	306.1	305.6	305.1
120°	331.3	331.8	332.4	333.0	333.0	332.6	332.2	331.8	331.4	330.7	329.9
122.5°	356.2	356.4	356.6	356.9	356.9	356.7	356.5	356.3	356.1	355.6	355.1
125°	393.2	393.2	393.2	393.2	393.2	393.1	392.9	392.8	392.7	392.4	392.1
127.5°	427.5	427.9	428.3	428.7	428.8	428.6	428.4	428.2	427.9	427.7	427.4
130°	451.3	451.7	452.1	452.5	452.7	452.7	452.7	452.7	452.7	452.4	452.2
132.5°	475.5	475.8	476.0	476.3	476.4	476.3	476.3	476.1	476.0	475.7	475.5
135°	508.0	508.9	509.7	510.6	511.0	511.0	511.0	511.0	511.0	510.6	510.4
137.5°	542.6	542.9	543.3	543.7	544.0	544.2	544.5	544.6	544.9	544.5	544.2
140°	565.7	566.0	566.3	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.4
142.5°	587.0	587.3	587.6	587.9	588.0	587.8	587.7	587.6	587.5	587.5	587.4
145°	616.8	617.3	617.9	618.5	618.8	618.9	619.0	619.2	619.3	619.2	619.0
147.5°	646.1	646.7	647.5	648.1	648.4	648.2	648.2	648.0	647.9	647.8	647.7
150°	663.8	664.4	665.0	665.5	665.7	665.7	665.7	665.7	665.7	665.7	665.7
152.5°	680.5	680.8	681.1	681.4	681.7	681.8	681.9	682.0	682.1	682.5	682.8
155°	706.0	706.0	706.0	706.0	705.9	705.8	705.7	705.5	705.4	705.9	706.5
157.5°	727.5	727.3	727.1	726.8	726.7	726.7	726.7	726.6	726.6	727.0	727.4
160°	740.5	740.5	740.3	740.1	740.0	739.9	739.7	739.6	739.5	739.9	740.3
162.5°	752.3	751.9	751.5	751.1	750.9	750.8	750.7	750.5	750.4	751.1	751.9
165°	768.2	767.8	767.3	766.9	766.6	766.3	766.0	765.7	765.5	766.3	767.1
167.5°	780.2	779.7	779.1	778.6	778.2	778.2	778.3	778.3	778.3	779.2	780.0
170°	787.1	786.4	785.7	785.1	784.7	784.9	785.1	785.1	785.3	786.1	787.0
172.5°	792.2	791.5	791.0	790.4	790.1	790.2	790.2	790.2	790.3	791.2	792.1
175°	798.8	798.1	797.5	796.8	796.4	796.2	796.1	796.0	795.8	796.8	797.7
177.5°	801.2	800.7	800.1	799.5	799.3	799.3	799.3	799.3	799.3	800.0	800.8
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	802.5	803.5	804.2	806.7	806.9	809.1	806.9
5°	868.9	873.2	880.0	886.8	887.4	891.7	884.0
7.5°	943.3	953.3	959.6	970.5	974.9	977.6	973.1
10°	994.7	1003.9	1020.3	1028.3	1036.3	1037.4	1033.8
12.5°	1044.2	1058.8	1071.7	1087.0	1086.6	1097.4	1093.4
15°	1110.2	1125.3	1143.2	1160.2	1166.3	1166.3	1171.2
17.5°	1157.3	1185.0	1203.5	1216.8	1231.4	1233.9	1232.2
20°	1189.1	1219.0	1238.7	1256.0	1265.9	1268.7	1268.7
22.5°	1212.8	1238.3	1257.5	1273.0	1281.2	1284.4	1283.4
25°	1229.2	1251.1	1262.8	1267.4	1269.6	1268.9	1263.1
27.5°	1206.7	1205.8	1198.3	1184.2	1173.5	1167.0	1159.7
30°	1163.9	1147.8	1129.3	1109.0	1082.8	1062.7	1056.6
32.5°	1100.0	1064.0	1032.7	998.8	970.6	950.5	942.1
35°	976.4	919.4	872.9	832.2	802.6	784.1	777.9
37.5°	829.9	774.7	717.1	677.6	653.1	634.4	627.4
40°	736.7	676.5	626.3	589.3	564.0	545.9	545.6
42.5°	651.6	594.2	546.9	520.3	493.1	481.0	480.9
45°	533.5	487.6	447.5	426.6	410.3	400.4	397.6
47.5°	441.7	403.8	377.1	360.4	347.1	340.8	336.7
50°	390.2	357.0	335.6	321.2	313.8	305.8	305.1
52.5°	347.3	320.4	303.9	292.1	282.7	277.9	278.1
55°	291.9	270.6	258.9	249.9	242.6	238.8	237.3
57.5°	245.9	230.0	221.4	213.3	210.1	207.2	206.4
60°	217.3	206.5	198.5	192.0	187.4	186.5	186.2
62.5°	193.6	182.4	176.8	171.8	168.4	167.0	166.4
65°	159.6	151.3	146.4	142.4	141.2	139.0	138.7
67.5°	128.7	123.7	120.5	117.7	116.0	115.9	115.9
70°	109.7	106.9	104.2	102.7	101.7	101.1	101.1
72.5°	93.5	91.4	89.1	88.3	88.2	87.5	87.3
75°	71.2	69.1	69.3	67.8	66.5	65.0	64.1
77.5°	50.5	49.0	48.6	48.5	47.4	47.2	47.7
80°	39.1	37.6	37.3	37.6	37.3	36.4	36.4
82.5°	29.8	28.5	28.2	28.0	27.6	28.0	27.5
85°	16.0	15.4	15.4	15.4	16.0	15.7	15.4
87.5°	8.9	8.8	9.2	9.0	9.0	8.9	9.1
90°	16.1	17.0	17.5	17.7	18.1	18.3	18.6
92.5°	26.0	26.5	26.9	27.0	27.2	27.3	27.5
95°	48.3	48.7	49.0	49.0	49.0	49.0	49.0
97.5°	75.9	76.4	76.7	76.7	76.7	76.7	76.7
100°	95.6	95.9	96.0	96.0	96.0	96.0	96.0
102.5°	116.7	117.1	117.3	117.5	117.6	117.7	117.8
105°	148.6	149.0	149.5	149.9	150.3	150.7	151.1
107.5°	183.1	183.5	183.7	183.6	183.6	183.6	183.5
110°	205.4	205.1	205.2	205.7	206.0	206.4	206.8



TEST NUMBER: P332908-927

CATALOG NUMBER: S124RDIP-S575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	230.4	230.3	230.3	230.4	230.4	230.5	230.6
115°	268.4	268.2	268.1	268.0	267.8	267.7	267.5
117.5°	304.7	304.2	303.8	303.6	303.2	303.0	302.7
120°	329.2	328.6	328.4	328.7	328.9	329.2	329.5
122.5°	354.7	354.3	353.8	353.2	352.8	352.3	351.8
125°	391.8	391.6	391.3	391.0	390.7	390.5	390.1
127.5°	427.1	426.8	426.6	426.4	426.2	426.0	425.7
130°	451.9	451.6	451.2	450.7	450.1	449.6	449.0
132.5°	475.2	474.9	474.7	474.4	474.2	474.0	473.8
135°	510.1	509.8	509.5	509.1	508.7	508.3	507.9
137.5°	543.8	543.4	543.3	543.4	543.4	543.5	543.7
140°	566.3	566.1	566.0	565.9	565.7	565.5	565.5
142.5°	587.4	587.4	587.3	587.3	587.3	587.2	587.2
145°	618.9	618.8	618.5	618.1	617.7	617.3	616.9
147.5°	647.6	647.5	647.4	647.2	647.1	647.0	646.8
150°	665.7	665.7	665.7	665.6	665.4	665.3	665.1
152.5°	683.1	683.4	683.4	683.1	682.7	682.4	682.0
155°	707.0	707.6	707.6	707.0	706.5	705.9	705.4
157.5°	727.9	728.3	728.2	727.8	727.3	726.8	726.4
160°	740.7	741.1	741.0	740.3	739.6	738.9	738.2
162.5°	752.6	753.4	753.4	752.7	752.0	751.3	750.6
165°	767.9	768.8	768.9	768.3	767.8	767.2	766.8
167.5°	780.9	781.6	781.6	780.8	779.9	779.1	778.2
170°	787.7	788.6	788.5	787.6	786.6	785.6	784.7
172.5°	793.1	794.0	794.0	793.1	792.0	791.1	790.1
175°	798.7	799.7	799.7	798.7	797.7	796.8	795.8
177.5°	801.6	802.4	802.3	801.5	800.6	799.7	798.8
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7

(END OF REPORT)