

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: P332865

Luminaire Tested: **S124RDIP-S350D365U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332865  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-S350D365U835-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2947.8 lumens  
Efficiency: N/A  
Efficacy: 145.2 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

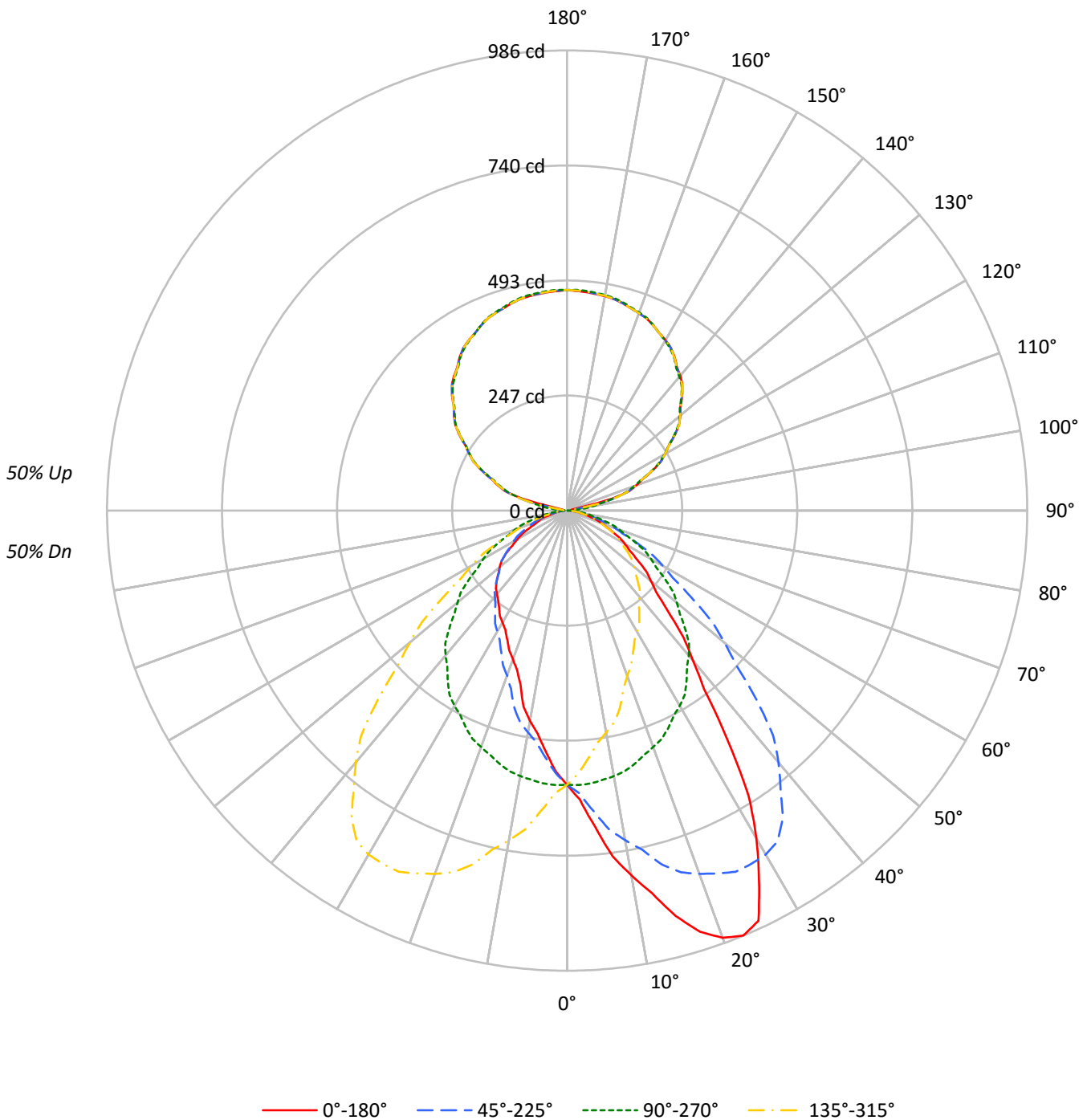
Input Watts (W): 20.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	57	57	57	50
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	42	37
3	82	73	66	60	76	68	62	57	58	53	50	49	45	43	40	38	36	32
4	75	65	57	51	70	60	54	48	52	47	43	44	40	37	36	34	31	28
5	69	58	50	44	64	54	47	42	47	41	37	39	35	32	33	30	28	24
6	64	52	44	39	59	49	42	37	42	37	32	36	32	28	30	27	24	22
7	59	47	39	34	55	44	37	32	38	33	29	33	28	25	27	24	22	19
8	55	43	35	30	51	40	33	29	35	29	26	30	26	23	25	22	20	17
9	51	39	32	27	47	37	30	26	32	27	23	28	23	20	23	20	18	16
10	48	36	29	24	44	34	27	23	30	24	21	26	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	4742	4742	4742	4742
5°	5501	4756	4204	4756
10°	6507	4736	3752	4736
15°	7516	4692	3224	4692
20°	8369	4631	2916	4631
25°	8639	4572	2707	4572
30°	7563	4501	2581	4501
35°	5887	4394	2505	4394
40°	4415	4272	2464	4272
45°	3486	4077	2442	4077
50°	2943	3852	2372	3852
55°	2564	3605	2245	3605
60°	2307	3347	1988	3347
65°	2034	3070	1710	3070
70°	1832	2783	1541	2783
75°	1535	2464	1313	2464
80°	1297	2101	1232	2101
85°	1093	1649	1093	1649



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.9	1.9
10°-20°	171.7	5.8
20°-30°	268.5	9.1
30°-40°	298.5	10.1
40°-50°	264.9	9.0
50°-60°	206.4	7.0
60°-70°	135.1	4.6
70°-80°	66.4	2.3
80°-90°	17.8	0.6
90°-100°	16.2	0.5
100°-110°	103.0	3.5
110°-120°	197.1	6.7
120°-130°	250.2	8.5
130°-140°	267.7	9.1
140°-150°	250.4	8.5
150°-160°	201.9	6.8
160°-170°	130.2	4.4
170°-180°	44.9	1.5
0°-30°	497.1	16.9
0°-40°	795.6	27.0
0°-60°	1266.9	43.0
0°-90°	1486.2	50.4
90°-120°	316.3	10.7
90°-150°	1084.6	36.8
90°-180°	1462.0	49.6
0°-180°	2947.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	587	587	587	587	587	
5°	679	587	519	587	679	69
15°	899	561	386	561	899	256
25°	970	513	304	513	970	430
35°	597	446	254	446	597	374
45°	305	357	214	357	305	242
55°	182	256	160	256	182	166
65°	106	161	90	161	106	107
75°	49	79	42	79	49	54
85°	12	18	12	18	12	14
90°	11	1	11	1	11	5
95°	10	19	10	19	10	8
105°	101	106	101	106	101	88
115°	200	199	200	199	200	198
125°	281	279	281	279	281	251
135°	349	346	349	346	349	268
145°	402	399	402	399	402	251
155°	438	438	438	438	438	202
165°	460	462	460	462	460	130
175°	470	472	470	472	470	45
180°	472	472	472	472	472	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	619.6	621.3	619.6	619.4	617.5	616.9	616.2	613.7	609.2	606.5	607.1
5°	678.8	684.7	681.4	680.9	675.7	670.5	667.2	659.6	651.5	646.1	641.6
7.5°	747.2	750.6	748.5	745.2	736.8	732.0	724.3	714.4	699.9	688.9	678.8
10°	793.8	796.6	795.7	789.5	783.4	770.8	763.7	749.8	731.5	717.1	703.6
12.5°	839.6	842.6	834.3	834.6	822.9	813.0	801.8	784.2	763.2	744.6	727.7
15°	899.3	895.5	895.5	890.8	877.8	864.1	852.5	834.0	807.5	785.3	761.8
17.5°	946.1	947.4	945.5	934.3	924.1	909.9	888.6	867.1	842.5	812.6	788.7
20°	974.1	974.1	972.0	964.4	951.2	936.0	913.1	889.6	858.4	828.3	801.4
22.5°	985.5	986.2	983.7	977.5	965.6	950.8	931.2	907.4	875.2	841.4	808.0
25°	969.9	974.4	974.8	973.2	969.6	960.6	943.8	919.5	890.6	853.9	817.9
27.5°	890.4	896.1	901.1	909.3	920.2	925.8	926.6	914.2	889.0	853.7	817.5
30°	811.3	816.0	831.4	851.5	867.1	881.3	893.7	897.0	882.8	851.1	813.0
32.5°	723.4	729.9	745.3	766.9	792.9	817.0	844.6	858.7	858.3	839.3	804.1
35°	597.3	602.1	616.3	639.0	670.2	706.0	749.8	783.8	807.0	805.4	783.8
37.5°	481.8	487.1	501.4	520.3	550.6	594.8	637.2	684.2	727.0	751.1	743.9
40°	418.9	419.1	433.1	452.5	480.9	519.5	565.6	617.7	665.5	704.6	712.1
42.5°	369.3	369.3	378.6	399.5	419.9	456.2	500.3	552.0	608.0	653.1	673.1
45°	305.3	307.4	315.0	327.5	343.6	374.4	409.7	457.7	520.4	573.9	607.3
47.5°	258.5	261.7	266.5	276.7	289.5	310.0	339.2	382.4	433.4	492.2	539.7
50°	234.3	234.8	240.9	246.6	257.7	274.1	299.6	335.6	382.5	439.0	491.8
52.5°	213.5	213.4	217.1	224.3	233.3	246.0	266.7	299.4	341.0	391.7	446.2
55°	182.2	183.4	186.3	191.9	198.8	207.8	224.1	248.7	281.4	324.7	374.2
57.5°	158.5	159.1	161.3	163.7	170.0	176.6	188.8	205.9	233.4	268.9	315.0
60°	142.9	143.2	143.9	147.4	152.4	158.6	166.9	181.3	204.5	236.9	273.4
62.5°	127.8	128.2	129.3	131.9	135.8	140.0	148.7	160.3	179.5	207.2	240.0
65°	106.5	106.7	108.4	109.3	112.4	116.2	122.6	130.4	143.7	166.9	191.7
67.5°	89.0	89.0	89.1	90.4	92.5	95.0	98.8	105.1	115.1	129.3	151.2
70°	77.6	77.6	78.1	78.8	80.0	82.1	84.3	89.0	96.3	107.9	124.7
72.5°	67.0	67.2	67.7	67.8	68.4	70.2	71.8	74.8	80.2	89.0	102.6
75°	49.2	49.9	51.1	52.1	53.3	53.0	54.7	56.6	58.2	63.4	71.2
77.5°	36.6	36.3	36.4	37.2	37.3	37.6	38.8	40.2	41.5	43.9	46.7
80°	27.9	27.9	28.6	28.9	28.6	28.9	30.1	30.8	31.2	32.2	34.8
82.5°	21.1	21.5	21.3	21.5	21.6	21.9	22.9	23.0	23.5	23.9	24.9
85°	11.8	12.1	12.3	11.8	11.8	11.8	12.3	12.5	13.0	12.8	13.3
87.5°	6.3	6.1	6.2	6.2	6.3	6.1	6.2	6.5	6.0	6.1	6.0
90°	10.6	10.4	10.3	10.1	10.0	9.7	9.2	8.7	8.2	7.8	7.1
92.5°	9.8	9.7	9.7	9.7	9.6	9.4	8.9	8.4	8.0	7.5	6.9
95°	10.2	10.2	10.1	10.0	9.9	9.7	9.2	8.7	8.2	7.8	7.7
97.5°	9.9	9.8	9.7	9.7	9.6	9.5	9.5	9.4	9.4	9.3	18.1
100°	9.9	9.8	9.7	9.7	9.6	10.2	11.5	12.9	14.2	15.6	26.4
102.5°	10.2	10.2	10.1	10.1	10.1	17.3	31.7	46.1	60.5	74.9	76.3
105°	100.7	103.5	106.4	109.2	112.0	113.1	112.4	111.7	111.0	110.3	109.9
107.5°	140.4	140.1	139.8	139.5	139.2	138.9	138.5	138.2	137.8	137.5	136.9
110°	157.6	157.4	157.2	156.9	156.7	156.5	156.3	156.2	156.0	155.9	155.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	174.9	174.6	174.3	174.0	173.7	173.5	173.6	173.6	173.6	173.7	173.4
115°	200.0	200.0	200.0	200.0	200.0	200.0	199.8	199.6	199.5	199.3	199.4
117.5°	225.6	225.7	225.7	225.7	225.7	225.8	225.8	225.8	225.9	225.9	225.7
120°	241.7	241.9	242.0	242.2	242.4	242.4	242.2	242.0	241.9	241.7	241.8
122.5°	257.6	257.7	257.9	258.0	258.2	258.2	258.1	258.0	257.9	257.9	257.7
125°	281.3	281.2	281.2	281.1	281.0	280.8	280.6	280.4	280.1	279.9	280.1
127.5°	302.2	302.2	302.3	302.4	302.4	302.5	302.5	302.6	302.6	302.7	302.3
130°	316.3	316.3	316.3	316.3	316.3	316.3	316.2	316.1	316.0	316.0	315.7
132.5°	329.3	329.4	329.4	329.5	329.6	329.6	329.5	329.4	329.3	329.2	328.9
135°	348.8	348.7	348.5	348.3	348.2	348.0	347.9	347.7	347.6	347.4	347.1
137.5°	365.5	365.5	365.6	365.6	365.7	365.6	365.5	365.3	365.1	364.9	364.6
140°	377.1	377.0	376.9	376.9	376.8	376.6	376.4	376.1	375.9	375.7	375.5
142.5°	386.7	386.7	386.7	386.7	386.6	386.5	386.4	386.2	386.0	385.9	385.8
145°	401.5	401.3	401.2	401.0	400.8	400.7	400.7	400.6	400.5	400.4	400.4
147.5°	413.7	413.6	413.5	413.5	413.4	413.3	413.3	413.2	413.1	413.1	413.1
150°	421.6	421.5	421.5	421.4	421.3	421.3	421.3	421.3	421.3	421.3	421.3
152.5°	428.4	428.5	428.5	428.5	428.6	428.6	428.4	428.3	428.2	428.1	428.2
155°	437.5	437.8	438.0	438.2	438.5	438.4	438.1	437.8	437.5	437.2	437.4
157.5°	445.2	445.6	446.0	446.4	446.8	446.8	446.4	446.0	445.6	445.2	445.4
160°	450.2	450.7	451.2	451.7	452.1	452.1	451.7	451.2	450.7	450.2	450.3
162.5°	454.2	454.7	455.3	455.8	456.3	456.4	455.9	455.4	455.0	454.5	454.6
165°	459.8	460.5	461.2	461.9	462.6	462.7	462.0	461.4	460.8	460.1	460.1
167.5°	464.0	464.7	465.5	466.3	467.1	467.1	466.5	465.8	465.1	464.4	464.4
170°	466.5	467.3	468.1	468.9	469.6	469.7	469.1	468.5	467.8	467.2	467.1
172.5°	467.9	468.8	469.6	470.5	471.3	471.4	470.8	470.2	469.5	468.9	468.8
175°	469.7	470.6	471.6	472.5	473.5	473.6	472.9	472.2	471.5	470.7	470.7
177.5°	470.8	471.6	472.3	473.1	473.8	474.0	473.5	473.0	472.5	471.9	471.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	605.2	602.6	601.2	598.2	594.6	592.7	591.0	588.5	585.3	581.9	579.5
5°	635.9	630.2	623.1	614.6	607.1	599.7	593.3	586.9	579.6	572.0	564.5
7.5°	667.4	656.3	644.2	630.2	616.7	604.3	592.9	582.1	569.8	558.7	548.7
10°	689.4	674.3	657.5	639.7	622.0	606.6	591.4	577.7	562.6	549.1	537.7
12.5°	707.2	689.4	669.2	647.1	625.7	607.1	589.7	571.8	554.6	540.0	524.8
15°	736.7	712.4	685.2	658.6	631.0	605.6	582.2	561.4	541.7	521.1	506.7
17.5°	757.1	728.1	695.0	663.2	630.5	600.6	573.6	548.8	526.1	505.1	487.9
20°	769.2	737.2	700.5	664.3	627.6	595.7	566.6	539.1	515.7	493.0	475.2
22.5°	776.0	740.6	700.5	662.6	624.6	590.0	558.1	529.5	504.0	481.2	461.6
25°	778.2	740.3	699.4	655.8	614.2	577.5	544.3	513.3	484.9	462.2	441.4
27.5°	775.1	730.5	688.6	643.9	600.9	562.3	527.5	494.9	466.5	442.1	420.7
30°	770.6	722.8	677.8	631.4	587.9	550.7	514.0	482.8	453.2	427.9	406.4
32.5°	760.7	713.3	664.9	617.4	573.3	535.0	500.2	468.8	439.8	413.9	391.0
35°	741.2	693.2	640.7	591.9	548.6	508.8	476.2	445.9	418.2	390.5	366.4
37.5°	715.5	666.5	614.2	560.8	517.4	479.9	450.0	421.5	394.5	369.2	342.5
40°	691.3	646.6	592.6	539.6	495.1	458.9	431.2	405.4	378.2	353.1	326.4
42.5°	662.0	623.9	569.3	516.1	472.2	437.3	411.5	386.3	361.5	337.2	309.3
45°	613.0	584.1	533.0	481.9	437.6	403.0	379.4	357.1	335.4	312.2	285.9
47.5°	556.8	537.3	493.2	440.8	399.9	368.8	345.9	327.7	309.3	286.1	263.1
50°	517.8	505.3	462.7	414.9	375.8	347.2	323.8	306.7	291.3	269.1	248.5
52.5°	476.2	469.5	433.5	387.8	350.1	322.0	302.0	286.7	271.1	252.6	233.4
55°	412.7	416.3	385.8	346.2	310.7	287.1	268.9	256.1	242.8	227.2	212.3
57.5°	347.9	360.9	340.4	305.7	272.4	250.5	236.8	226.1	214.9	202.0	189.2
60°	309.1	320.0	308.4	277.8	248.7	228.4	215.6	207.3	196.2	184.4	174.7
62.5°	271.2	282.9	276.0	251.3	224.3	206.8	195.5	187.8	179.5	169.2	159.1
65°	223.7	231.2	227.9	210.9	191.7	176.8	166.4	160.7	153.1	145.6	136.6
67.5°	171.3	185.9	184.0	174.9	158.4	146.7	139.9	134.9	128.0	122.4	116.3
70°	140.8	154.3	154.1	146.7	137.7	126.9	122.1	117.9	111.7	106.3	101.3
72.5°	115.3	127.6	129.5	123.8	117.7	109.4	104.9	102.0	96.0	92.3	88.2
75°	80.7	89.7	92.1	92.1	89.2	85.0	80.9	79.0	74.8	71.5	69.1
77.5°	52.9	58.6	62.3	63.1	63.6	62.1	58.8	57.5	54.2	53.1	50.8
80°	37.4	41.2	45.4	46.9	48.0	47.6	46.2	45.2	42.1	40.9	40.0
82.5°	25.8	27.9	31.4	34.6	34.2	35.5	34.2	33.5	31.1	30.7	29.8
85°	13.5	13.7	14.2	16.3	17.5	18.0	18.2	17.8	17.0	17.0	15.4
87.5°	5.8	5.5	5.8	5.6	5.7	6.2	6.6	6.6	6.3	5.9	5.5
90°	6.5	5.9	5.3	4.5	3.7	2.8	1.9	1.1	1.9	2.8	3.7
92.5°	6.2	5.6	5.0	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
95°	7.6	7.5	7.5	8.8	11.4	14.1	16.8	19.4	16.8	14.1	11.4
97.5°	26.9	35.6	44.4	47.9	46.3	44.6	42.9	41.3	42.9	44.6	46.3
100°	37.2	48.1	58.9	63.6	62.2	60.8	59.4	58.0	59.4	60.8	62.2
102.5°	77.8	79.2	80.6	80.8	79.7	78.7	77.7	76.6	77.7	78.7	79.7
105°	109.5	109.1	108.7	108.3	107.8	107.3	106.8	106.4	106.8	107.3	107.8
107.5°	136.4	135.9	135.3	135.0	134.7	134.5	134.2	134.0	134.2	134.5	134.7
110°	154.9	154.4	154.0	153.6	153.4	153.1	152.9	152.7	152.9	153.1	153.4





TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	173.2	173.0	172.8	172.5	172.0	171.6	171.2	170.8	171.2	171.6	172.0
115°	199.5	199.6	199.6	199.6	199.3	199.1	198.9	198.6	198.9	199.1	199.3
117.5°	225.6	225.4	225.2	225.0	224.7	224.3	224.0	223.7	224.0	224.3	224.7
120°	241.9	242.0	242.0	241.9	241.6	241.3	241.0	240.7	241.0	241.3	241.6
122.5°	257.6	257.5	257.4	257.3	257.1	256.9	256.7	256.5	256.7	256.9	257.1
125°	280.2	280.4	280.5	280.5	280.1	279.8	279.5	279.2	279.5	279.8	280.1
127.5°	301.9	301.6	301.2	301.0	300.9	300.8	300.8	300.7	300.8	300.8	300.9
130°	315.5	315.2	315.0	314.9	314.8	314.7	314.6	314.5	314.6	314.7	314.8
132.5°	328.6	328.3	328.0	327.8	327.7	327.5	327.4	327.3	327.4	327.5	327.7
135°	346.8	346.5	346.1	346.0	346.1	346.2	346.3	346.3	346.3	346.2	346.1
137.5°	364.2	363.9	363.6	363.4	363.3	363.3	363.3	363.2	363.3	363.3	363.3
140°	375.4	375.2	375.0	374.9	374.7	374.6	374.4	374.3	374.4	374.6	374.7
142.5°	385.7	385.6	385.5	385.3	385.0	384.7	384.4	384.2	384.4	384.7	385.0
145°	400.4	400.4	400.4	400.3	400.1	399.8	399.6	399.4	399.6	399.8	400.1
147.5°	413.2	413.3	413.4	413.2	412.8	412.3	411.9	411.4	411.9	412.3	412.8
150°	421.4	421.5	421.6	421.5	421.2	420.8	420.5	420.2	420.5	420.8	421.2
152.5°	428.3	428.5	428.6	428.6	428.3	428.1	427.8	427.6	427.8	428.1	428.3
155°	437.6	437.9	438.1	438.2	438.1	438.0	438.0	437.9	438.0	438.0	438.1
157.5°	445.7	446.0	446.2	446.4	446.4	446.5	446.5	446.6	446.5	446.5	446.4
160°	450.4	450.5	450.6	450.7	451.0	451.2	451.4	451.7	451.4	451.2	451.0
162.5°	454.6	454.7	454.8	455.0	455.3	455.6	455.9	456.2	455.9	455.6	455.3
165°	460.1	460.1	460.1	460.3	460.7	461.1	461.5	461.9	461.5	461.1	460.7
167.5°	464.5	464.5	464.6	464.8	465.2	465.6	466.0	466.4	466.0	465.6	465.2
170°	467.1	467.0	466.9	467.1	467.6	468.0	468.5	469.0	468.5	468.0	467.6
172.5°	468.8	468.7	468.6	468.8	469.3	469.7	470.2	470.7	470.2	469.7	469.3
175°	470.6	470.5	470.4	470.6	471.1	471.6	472.0	472.5	472.0	471.6	471.1
177.5°	471.7	471.6	471.4	471.6	472.0	472.5	472.9	473.4	472.9	472.5	472.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	576.8	574.9	572.5	569.6	566.2	563.2	561.8	563.0	563.6	562.0	561.8
5°	559.2	553.3	548.6	541.5	535.8	531.1	527.8	526.3	526.8	523.0	522.1
7.5°	539.5	532.5	524.7	516.3	508.5	501.5	497.9	495.9	491.8	490.1	487.2
10°	526.8	517.4	509.8	499.8	490.8	482.6	478.5	475.2	471.2	469.3	465.3
12.5°	513.8	502.8	494.4	484.1	474.9	465.0	461.1	455.0	448.7	444.7	439.5
15°	495.3	482.1	471.9	459.6	448.7	437.4	427.2	415.8	411.6	402.6	397.4
17.5°	473.8	460.4	447.8	431.3	414.5	400.3	389.5	378.6	372.1	366.4	363.7
20°	459.6	447.3	429.8	410.6	391.9	376.3	367.5	360.4	353.3	349.3	346.5
22.5°	446.2	430.4	410.1	389.4	370.7	358.5	351.1	343.8	338.0	334.2	330.4
25°	423.6	403.0	381.5	357.8	345.1	334.4	326.4	320.4	316.9	311.9	310.0
27.5°	400.5	375.5	351.8	335.9	322.6	312.8	305.8	301.4	296.9	293.7	291.2
30°	382.7	357.4	336.1	320.9	307.4	299.4	293.7	288.5	284.9	282.3	280.5
32.5°	365.1	339.8	321.9	305.6	294.9	287.1	281.0	277.1	274.3	271.0	269.8
35°	339.6	317.1	301.5	286.8	276.0	268.9	264.1	260.1	257.7	256.8	256.1
37.5°	315.1	296.7	279.9	267.9	258.2	252.6	247.0	245.0	243.4	241.7	242.5
40°	299.6	282.3	267.4	254.7	246.8	240.7	237.4	235.0	233.6	233.6	233.6
42.5°	286.2	269.3	254.7	243.3	235.5	230.3	226.6	224.6	224.1	223.9	225.1
45°	265.3	249.7	235.0	225.5	218.9	213.7	211.6	209.9	209.9	210.9	211.1
47.5°	244.6	230.0	218.2	207.6	201.5	198.3	196.4	195.6	195.7	196.6	197.7
50°	231.9	217.5	205.9	196.4	190.8	187.7	186.0	185.5	186.0	186.0	187.7
52.5°	218.1	205.2	193.8	185.8	179.4	176.5	175.6	174.9	175.2	176.0	176.7
55°	197.9	186.3	175.4	167.8	163.1	161.2	159.0	159.3	158.8	159.3	159.3
57.5°	177.5	167.1	157.0	151.0	146.8	144.1	141.8	142.4	141.7	141.6	141.2
60°	164.5	153.1	145.1	139.6	134.9	132.5	130.4	130.9	130.2	129.7	128.7
62.5°	150.3	140.8	133.1	127.9	124.1	121.4	119.2	118.8	117.1	115.5	113.4
65°	129.7	121.9	115.0	110.1	106.5	104.4	102.7	101.3	97.7	94.0	92.1
67.5°	109.7	104.0	97.6	93.4	90.5	87.8	84.6	82.2	78.9	76.8	75.6
70°	96.8	91.4	85.9	81.9	78.8	76.2	72.7	71.0	68.6	67.7	66.5
72.5°	84.5	79.4	74.4	70.7	67.5	65.4	62.6	61.0	59.9	59.5	58.4
75°	65.8	61.8	58.0	54.7	52.1	50.6	49.5	48.3	47.8	45.7	44.5
77.5°	48.0	45.3	43.0	40.6	38.8	37.8	35.5	34.2	33.4	32.4	32.1
80°	37.4	35.5	33.1	31.7	29.1	28.2	27.2	27.0	26.7	26.5	26.3
82.5°	28.1	26.2	23.9	23.0	22.3	21.7	21.2	20.9	20.7	20.8	20.8
85°	14.2	13.3	13.3	13.0	12.8	12.5	12.3	12.3	12.1	12.3	12.1
87.5°	5.6	5.6	5.7	5.5	5.8	5.9	5.8	5.9	6.2	5.9	6.0
90°	4.5	5.3	5.9	6.5	7.1	7.8	8.2	8.7	9.2	9.7	10.0
92.5°	4.6	5.0	5.6	6.2	6.9	7.5	8.0	8.4	8.9	9.4	9.6
95°	8.8	7.5	7.5	7.6	7.7	7.8	8.2	8.7	9.2	9.7	9.9
97.5°	47.9	44.4	35.6	26.9	18.1	9.3	9.4	9.4	9.5	9.5	9.6
100°	63.6	58.9	48.1	37.2	26.4	15.6	14.2	12.9	11.5	10.2	9.6
102.5°	80.8	80.6	79.2	77.8	76.3	74.9	60.5	46.1	31.7	17.3	10.1
105°	108.3	108.7	109.1	109.5	109.9	110.3	111.0	111.7	112.4	113.1	112.0
107.5°	135.0	135.3	135.9	136.4	136.9	137.5	137.8	138.2	138.5	138.9	139.2
110°	153.6	154.0	154.4	154.9	155.4	155.9	156.0	156.2	156.3	156.5	156.7



TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	172.5	172.8	173.0	173.2	173.4	173.7	173.6	173.6	173.6	173.5	173.7
115°	199.6	199.6	199.6	199.5	199.4	199.3	199.5	199.6	199.8	200.0	200.0
117.5°	225.0	225.2	225.4	225.6	225.7	225.9	225.9	225.8	225.8	225.8	225.7
120°	241.9	242.0	242.0	241.9	241.8	241.7	241.9	242.0	242.2	242.4	242.4
122.5°	257.3	257.4	257.5	257.6	257.7	257.9	257.9	258.0	258.1	258.2	258.2
125°	280.5	280.5	280.4	280.2	280.1	279.9	280.1	280.4	280.6	280.8	281.0
127.5°	301.0	301.2	301.6	301.9	302.3	302.7	302.6	302.6	302.5	302.5	302.4
130°	314.9	315.0	315.2	315.5	315.7	316.0	316.0	316.1	316.2	316.3	316.3
132.5°	327.8	328.0	328.3	328.6	328.9	329.2	329.3	329.4	329.5	329.6	329.6
135°	346.0	346.1	346.5	346.8	347.1	347.4	347.6	347.7	347.9	348.0	348.2
137.5°	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.3	365.5	365.6	365.7
140°	374.9	375.0	375.2	375.4	375.5	375.7	375.9	376.1	376.4	376.6	376.8
142.5°	385.3	385.5	385.6	385.7	385.8	385.9	386.0	386.2	386.4	386.5	386.6
145°	400.3	400.4	400.4	400.4	400.4	400.4	400.5	400.6	400.7	400.7	400.8
147.5°	413.2	413.4	413.3	413.2	413.1	413.1	413.1	413.2	413.3	413.3	413.4
150°	421.5	421.6	421.5	421.4	421.3	421.3	421.3	421.3	421.3	421.3	421.3
152.5°	428.6	428.6	428.5	428.3	428.2	428.1	428.2	428.3	428.4	428.6	428.6
155°	438.2	438.1	437.9	437.6	437.4	437.2	437.5	437.8	438.1	438.4	438.5
157.5°	446.4	446.2	446.0	445.7	445.4	445.2	445.6	446.0	446.4	446.8	446.8
160°	450.7	450.6	450.5	450.4	450.3	450.2	450.7	451.2	451.7	452.1	452.1
162.5°	455.0	454.8	454.7	454.6	454.6	454.5	455.0	455.4	455.9	456.4	456.3
165°	460.3	460.1	460.1	460.1	460.1	460.1	460.8	461.4	462.0	462.7	462.6
167.5°	464.8	464.6	464.5	464.5	464.4	464.4	465.1	465.8	466.5	467.1	467.1
170°	467.1	466.9	467.0	467.1	467.1	467.2	467.8	468.5	469.1	469.7	469.6
172.5°	468.8	468.6	468.7	468.8	468.8	468.9	469.5	470.2	470.8	471.4	471.3
175°	470.6	470.4	470.5	470.6	470.7	470.7	471.5	472.2	472.9	473.6	473.5
177.5°	471.6	471.4	471.6	471.7	471.8	471.9	472.5	473.0	473.5	474.0	473.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	560.7	561.1	559.8	559.4	559.8	561.1	560.7	561.8	562.0	563.6	563.0
5°	520.2	519.7	518.5	518.8	518.5	519.7	520.2	522.1	523.0	526.8	526.3
7.5°	485.5	483.7	484.2	482.3	484.2	483.7	485.5	487.2	490.1	491.8	495.9
10°	464.3	461.7	459.6	457.7	459.6	461.7	464.3	465.3	469.3	471.2	475.2
12.5°	435.4	433.1	430.3	430.8	430.3	433.1	435.4	439.5	444.7	448.7	455.0
15°	394.3	390.7	385.1	385.8	385.1	390.7	394.3	397.4	402.6	411.6	415.8
17.5°	359.5	359.5	356.9	357.6	356.9	359.5	359.5	363.7	366.4	372.1	378.6
20°	341.5	339.9	340.1	339.4	340.1	339.9	341.5	346.5	349.3	353.3	360.4
22.5°	329.0	327.0	325.3	323.9	325.3	327.0	329.0	330.4	334.2	338.0	343.8
25°	307.9	306.5	304.4	303.9	304.4	306.5	307.9	310.0	311.9	316.9	320.4
27.5°	289.3	289.1	288.2	287.1	288.2	289.1	289.3	291.2	293.7	296.9	301.4
30°	278.6	278.1	277.6	276.9	277.6	278.1	278.6	280.5	282.3	284.9	288.5
32.5°	268.9	268.6	268.1	268.2	268.1	268.6	268.9	269.8	271.0	274.3	277.1
35°	255.1	254.9	254.4	254.2	254.4	254.9	255.1	256.1	256.8	257.7	260.1
37.5°	242.3	242.9	242.6	242.5	242.6	242.9	242.3	242.5	241.7	243.4	245.0
40°	233.4	233.6	234.1	233.8	234.1	233.6	233.4	233.6	233.6	233.6	235.0
42.5°	226.0	226.0	226.7	225.9	226.7	226.0	226.0	225.1	223.9	224.1	224.6
45°	212.8	214.2	213.9	213.9	213.9	214.2	212.8	211.1	210.9	209.9	209.9
47.5°	198.3	199.6	199.9	199.8	199.9	199.6	198.3	197.7	196.6	195.7	195.6
50°	188.9	188.4	189.1	188.9	189.1	188.4	188.9	187.7	186.0	186.0	185.5
52.5°	177.3	177.4	177.4	177.1	177.4	177.4	177.3	176.7	176.0	175.2	174.9
55°	159.5	159.8	159.3	159.5	159.3	159.8	159.5	159.3	159.3	158.8	159.3
57.5°	140.2	139.1	139.5	139.0	139.5	139.1	140.2	141.2	141.6	141.7	142.4
60°	126.4	124.5	124.0	123.1	124.0	124.5	126.4	128.7	129.7	130.2	130.9
62.5°	110.9	109.5	107.9	108.7	107.9	109.5	110.9	113.4	115.5	117.1	118.8
65°	90.2	89.2	88.5	89.5	88.5	89.2	90.2	92.1	94.0	97.7	101.3
67.5°	74.6	74.1	74.1	73.7	74.1	74.1	74.6	75.6	76.8	78.9	82.2
70°	66.5	65.8	65.8	65.3	65.8	65.8	66.5	66.5	67.7	68.6	71.0
72.5°	58.2	57.5	57.7	57.4	57.7	57.5	58.2	58.4	59.5	59.9	61.0
75°	43.1	41.9	41.9	42.1	41.9	41.9	43.1	44.5	45.7	47.8	48.3
77.5°	32.1	31.9	32.2	31.8	32.2	31.9	32.1	32.1	32.4	33.4	34.2
80°	26.3	26.0	25.8	26.5	25.8	26.0	26.3	26.3	26.5	26.7	27.0
82.5°	20.4	20.4	20.3	21.2	20.3	20.4	20.4	20.8	20.8	20.7	20.9
85°	12.3	11.8	12.3	11.8	12.3	11.8	12.3	12.1	12.3	12.1	12.3
87.5°	6.4	6.2	6.1	6.3	6.1	6.2	6.4	6.0	5.9	6.2	5.9
90°	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.7	9.2	8.7
92.5°	9.7	9.7	9.7	9.8	9.7	9.7	9.7	9.6	9.4	8.9	8.4
95°	10.0	10.1	10.2	10.2	10.2	10.1	10.0	9.9	9.7	9.2	8.7
97.5°	9.7	9.7	9.8	9.9	9.8	9.7	9.7	9.6	9.5	9.5	9.4
100°	9.7	9.7	9.8	9.9	9.8	9.7	9.7	9.6	10.2	11.5	12.9
102.5°	10.1	10.1	10.2	10.2	10.2	10.1	10.1	10.1	17.3	31.7	46.1
105°	109.2	106.4	103.5	100.7	103.5	106.4	109.2	112.0	113.1	112.4	111.7
107.5°	139.5	139.8	140.1	140.4	140.1	139.8	139.5	139.2	138.9	138.5	138.2
110°	156.9	157.2	157.4	157.6	157.4	157.2	156.9	156.7	156.5	156.3	156.2



TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	174.0	174.3	174.6	174.9	174.6	174.3	174.0	173.7	173.5	173.6	173.6
115°	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	199.8	199.6
117.5°	225.7	225.7	225.7	225.6	225.7	225.7	225.7	225.7	225.8	225.8	225.8
120°	242.2	242.0	241.9	241.7	241.9	242.0	242.2	242.4	242.4	242.2	242.0
122.5°	258.0	257.9	257.7	257.6	257.7	257.9	258.0	258.2	258.2	258.1	258.0
125°	281.1	281.2	281.2	281.3	281.2	281.2	281.1	281.0	280.8	280.6	280.4
127.5°	302.4	302.3	302.2	302.2	302.2	302.3	302.4	302.4	302.5	302.5	302.6
130°	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.2	316.1
132.5°	329.5	329.4	329.4	329.3	329.4	329.4	329.5	329.6	329.6	329.5	329.4
135°	348.3	348.5	348.7	348.8	348.7	348.5	348.3	348.2	348.0	347.9	347.7
137.5°	365.6	365.6	365.5	365.5	365.5	365.6	365.6	365.7	365.6	365.5	365.3
140°	376.9	376.9	377.0	377.1	377.0	376.9	376.9	376.8	376.6	376.4	376.1
142.5°	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.6	386.5	386.4	386.2
145°	401.0	401.2	401.3	401.5	401.3	401.2	401.0	400.8	400.7	400.7	400.6
147.5°	413.5	413.5	413.6	413.7	413.6	413.5	413.5	413.4	413.3	413.3	413.2
150°	421.4	421.5	421.5	421.6	421.5	421.5	421.4	421.3	421.3	421.3	421.3
152.5°	428.5	428.5	428.5	428.4	428.5	428.5	428.5	428.6	428.6	428.4	428.3
155°	438.2	438.0	437.8	437.5	437.8	438.0	438.2	438.5	438.4	438.1	437.8
157.5°	446.4	446.0	445.6	445.2	445.6	446.0	446.4	446.8	446.8	446.4	446.0
160°	451.7	451.2	450.7	450.2	450.7	451.2	451.7	452.1	452.1	451.7	451.2
162.5°	455.8	455.3	454.7	454.2	454.7	455.3	455.8	456.3	456.4	455.9	455.4
165°	461.9	461.2	460.5	459.8	460.5	461.2	461.9	462.6	462.7	462.0	461.4
167.5°	466.3	465.5	464.7	464.0	464.7	465.5	466.3	467.1	467.1	466.5	465.8
170°	468.9	468.1	467.3	466.5	467.3	468.1	468.9	469.6	469.7	469.1	468.5
172.5°	470.5	469.6	468.8	467.9	468.8	469.6	470.5	471.3	471.4	470.8	470.2
175°	472.5	471.6	470.6	469.7	470.6	471.6	472.5	473.5	473.6	472.9	472.2
177.5°	473.1	472.3	471.6	470.8	471.6	472.3	473.1	473.8	474.0	473.5	473.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	561.8	563.2	566.2	569.6	572.5	574.9	576.8	579.5	581.9	585.3	588.5
5°	527.8	531.1	535.8	541.5	548.6	553.3	559.2	564.5	572.0	579.6	586.9
7.5°	497.9	501.5	508.5	516.3	524.7	532.5	539.5	548.7	558.7	569.8	582.1
10°	478.5	482.6	490.8	499.8	509.8	517.4	526.8	537.7	549.1	562.6	577.7
12.5°	461.1	465.0	474.9	484.1	494.4	502.8	513.8	524.8	540.0	554.6	571.8
15°	427.2	437.4	448.7	459.6	471.9	482.1	495.3	506.7	521.1	541.7	561.4
17.5°	389.5	400.3	414.5	431.3	447.8	460.4	473.8	487.9	505.1	526.1	548.8
20°	367.5	376.3	391.9	410.6	429.8	447.3	459.6	475.2	493.0	515.7	539.1
22.5°	351.1	358.5	370.7	389.4	410.1	430.4	446.2	461.6	481.2	504.0	529.5
25°	326.4	334.4	345.1	357.8	381.5	403.0	423.6	441.4	462.2	484.9	513.3
27.5°	305.8	312.8	322.6	335.9	351.8	375.5	400.5	420.7	442.1	466.5	494.9
30°	293.7	299.4	307.4	320.9	336.1	357.4	382.7	406.4	427.9	453.2	482.8
32.5°	281.0	287.1	294.9	305.6	321.9	339.8	365.1	391.0	413.9	439.8	468.8
35°	264.1	268.9	276.0	286.8	301.5	317.1	339.6	366.4	390.5	418.2	445.9
37.5°	247.0	252.6	258.2	267.9	279.9	296.7	315.1	342.5	369.2	394.5	421.5
40°	237.4	240.7	246.8	254.7	267.4	282.3	299.6	326.4	353.1	378.2	405.4
42.5°	226.6	230.3	235.5	243.3	254.7	269.3	286.2	309.3	337.2	361.5	386.3
45°	211.6	213.7	218.9	225.5	235.0	249.7	265.3	285.9	312.2	335.4	357.1
47.5°	196.4	198.3	201.5	207.6	218.2	230.0	244.6	263.1	286.1	309.3	327.7
50°	186.0	187.7	190.8	196.4	205.9	217.5	231.9	248.5	269.1	291.3	306.7
52.5°	175.6	176.5	179.4	185.8	193.8	205.2	218.1	233.4	252.6	271.1	286.7
55°	159.0	161.2	163.1	167.8	175.4	186.3	197.9	212.3	227.2	242.8	256.1
57.5°	141.8	144.1	146.8	151.0	157.0	167.1	177.5	189.2	202.0	214.9	226.1
60°	130.4	132.5	134.9	139.6	145.1	153.1	164.5	174.7	184.4	196.2	207.3
62.5°	119.2	121.4	124.1	127.9	133.1	140.8	150.3	159.1	169.2	179.5	187.8
65°	102.7	104.4	106.5	110.1	115.0	121.9	129.7	136.6	145.6	153.1	160.7
67.5°	84.6	87.8	90.5	93.4	97.6	104.0	109.7	116.3	122.4	128.0	134.9
70°	72.7	76.2	78.8	81.9	85.9	91.4	96.8	101.3	106.3	111.7	117.9
72.5°	62.6	65.4	67.5	70.7	74.4	79.4	84.5	88.2	92.3	96.0	102.0
75°	49.5	50.6	52.1	54.7	58.0	61.8	65.8	69.1	71.5	74.8	79.0
77.5°	35.5	37.8	38.8	40.6	43.0	45.3	48.0	50.8	53.1	54.2	57.5
80°	27.2	28.2	29.1	31.7	33.1	35.5	37.4	40.0	40.9	42.1	45.2
82.5°	21.2	21.7	22.3	23.0	23.9	26.2	28.1	29.8	30.7	31.1	33.5
85°	12.3	12.5	12.8	13.0	13.3	13.3	14.2	15.4	17.0	17.0	17.8
87.5°	5.8	5.9	5.8	5.5	5.7	5.6	5.6	5.5	5.9	6.3	6.6
90°	8.2	7.8	7.1	6.5	5.9	5.3	4.5	3.7	2.8	1.9	1.1
92.5°	8.0	7.5	6.9	6.2	5.6	5.0	4.6	4.6	4.5	4.5	4.5
95°	8.2	7.8	7.7	7.6	7.5	7.5	8.8	11.4	14.1	16.8	19.4
97.5°	9.4	9.3	18.1	26.9	35.6	44.4	47.9	46.3	44.6	42.9	41.3
100°	14.2	15.6	26.4	37.2	48.1	58.9	63.6	62.2	60.8	59.4	58.0
102.5°	60.5	74.9	76.3	77.8	79.2	80.6	80.8	79.7	78.7	77.7	76.6
105°	111.0	110.3	109.9	109.5	109.1	108.7	108.3	107.8	107.3	106.8	106.4
107.5°	137.8	137.5	136.9	136.4	135.9	135.3	135.0	134.7	134.5	134.2	134.0
110°	156.0	155.9	155.4	154.9	154.4	154.0	153.6	153.4	153.1	152.9	152.7



TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	173.6	173.7	173.4	173.2	173.0	172.8	172.5	172.0	171.6	171.2	170.8
115°	199.5	199.3	199.4	199.5	199.6	199.6	199.6	199.3	199.1	198.9	198.6
117.5°	225.9	225.9	225.7	225.6	225.4	225.2	225.0	224.7	224.3	224.0	223.7
120°	241.9	241.7	241.8	241.9	242.0	242.0	241.9	241.6	241.3	241.0	240.7
122.5°	257.9	257.9	257.7	257.6	257.5	257.4	257.3	257.1	256.9	256.7	256.5
125°	280.1	279.9	280.1	280.2	280.4	280.5	280.5	280.1	279.8	279.5	279.2
127.5°	302.6	302.7	302.3	301.9	301.6	301.2	301.0	300.9	300.8	300.8	300.7
130°	316.0	316.0	315.7	315.5	315.2	315.0	314.9	314.8	314.7	314.6	314.5
132.5°	329.3	329.2	328.9	328.6	328.3	328.0	327.8	327.7	327.5	327.4	327.3
135°	347.6	347.4	347.1	346.8	346.5	346.1	346.0	346.1	346.2	346.3	346.3
137.5°	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.3	363.3	363.3	363.2
140°	375.9	375.7	375.5	375.4	375.2	375.0	374.9	374.7	374.6	374.4	374.3
142.5°	386.0	385.9	385.8	385.7	385.6	385.5	385.3	385.0	384.7	384.4	384.2
145°	400.5	400.4	400.4	400.4	400.4	400.4	400.3	400.1	399.8	399.6	399.4
147.5°	413.1	413.1	413.1	413.2	413.3	413.4	413.2	412.8	412.3	411.9	411.4
150°	421.3	421.3	421.3	421.4	421.5	421.6	421.5	421.2	420.8	420.5	420.2
152.5°	428.2	428.1	428.2	428.3	428.5	428.6	428.6	428.3	428.1	427.8	427.6
155°	437.5	437.2	437.4	437.6	437.9	438.1	438.2	438.1	438.0	438.0	437.9
157.5°	445.6	445.2	445.4	445.7	446.0	446.2	446.4	446.4	446.5	446.5	446.6
160°	450.7	450.2	450.3	450.4	450.5	450.6	450.7	451.0	451.2	451.4	451.7
162.5°	455.0	454.5	454.6	454.6	454.7	454.8	455.0	455.3	455.6	455.9	456.2
165°	460.8	460.1	460.1	460.1	460.1	460.1	460.3	460.7	461.1	461.5	461.9
167.5°	465.1	464.4	464.4	464.5	464.5	464.6	464.8	465.2	465.6	466.0	466.4
170°	467.8	467.2	467.1	467.1	467.0	466.9	467.1	467.6	468.0	468.5	469.0
172.5°	469.5	468.9	468.8	468.8	468.7	468.6	468.8	469.3	469.7	470.2	470.7
175°	471.5	470.7	470.7	470.6	470.5	470.4	470.6	471.1	471.6	472.0	472.5
177.5°	472.5	471.9	471.8	471.7	471.6	471.4	471.6	472.0	472.5	472.9	473.4
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	591.0	592.7	594.6	598.2	601.2	602.6	605.2	607.1	606.5	609.2	613.7
5°	593.3	599.7	607.1	614.6	623.1	630.2	635.9	641.6	646.1	651.5	659.6
7.5°	592.9	604.3	616.7	630.2	644.2	656.3	667.4	678.8	688.9	699.9	714.4
10°	591.4	606.6	622.0	639.7	657.5	674.3	689.4	703.6	717.1	731.5	749.8
12.5°	589.7	607.1	625.7	647.1	669.2	689.4	707.2	727.7	744.6	763.2	784.2
15°	582.2	605.6	631.0	658.6	685.2	712.4	736.7	761.8	785.3	807.5	834.0
17.5°	573.6	600.6	630.5	663.2	695.0	728.1	757.1	788.7	812.6	842.5	867.1
20°	566.6	595.7	627.6	664.3	700.5	737.2	769.2	801.4	828.3	858.4	889.6
22.5°	558.1	590.0	624.6	662.6	700.5	740.6	776.0	808.0	841.4	875.2	907.4
25°	544.3	577.5	614.2	655.8	699.4	740.3	778.2	817.9	853.9	890.6	919.5
27.5°	527.5	562.3	600.9	643.9	688.6	730.5	775.1	817.5	853.7	889.0	914.2
30°	514.0	550.7	587.9	631.4	677.8	722.8	770.6	813.0	851.1	882.8	897.0
32.5°	500.2	535.0	573.3	617.4	664.9	713.3	760.7	804.1	839.3	858.3	858.7
35°	476.2	508.8	548.6	591.9	640.7	693.2	741.2	783.8	805.4	807.0	783.8
37.5°	450.0	479.9	517.4	560.8	614.2	666.5	715.5	743.9	751.1	727.0	684.2
40°	431.2	458.9	495.1	539.6	592.6	646.6	691.3	712.1	704.6	665.5	617.7
42.5°	411.5	437.3	472.2	516.1	569.3	623.9	662.0	673.1	653.1	608.0	552.0
45°	379.4	403.0	437.6	481.9	533.0	584.1	613.0	607.3	573.9	520.4	457.7
47.5°	345.9	368.8	399.9	440.8	493.2	537.3	556.8	539.7	492.2	433.4	382.4
50°	323.8	347.2	375.8	414.9	462.7	505.3	517.8	491.8	439.0	382.5	335.6
52.5°	302.0	322.0	350.1	387.8	433.5	469.5	476.2	446.2	391.7	341.0	299.4
55°	268.9	287.1	310.7	346.2	385.8	416.3	412.7	374.2	324.7	281.4	248.7
57.5°	236.8	250.5	272.4	305.7	340.4	360.9	347.9	315.0	268.9	233.4	205.9
60°	215.6	228.4	248.7	277.8	308.4	320.0	309.1	273.4	236.9	204.5	181.3
62.5°	195.5	206.8	224.3	251.3	276.0	282.9	271.2	240.0	207.2	179.5	160.3
65°	166.4	176.8	191.7	210.9	227.9	231.2	223.7	191.7	166.9	143.7	130.4
67.5°	139.9	146.7	158.4	174.9	184.0	185.9	171.3	151.2	129.3	115.1	105.1
70°	122.1	126.9	137.7	146.7	154.1	154.3	140.8	124.7	107.9	96.3	89.0
72.5°	104.9	109.4	117.7	123.8	129.5	127.6	115.3	102.6	89.0	80.2	74.8
75°	80.9	85.0	89.2	92.1	92.1	89.7	80.7	71.2	63.4	58.2	56.6
77.5°	58.8	62.1	63.6	63.1	62.3	58.6	52.9	46.7	43.9	41.5	40.2
80°	46.2	47.6	48.0	46.9	45.4	41.2	37.4	34.8	32.2	31.2	30.8
82.5°	34.2	35.5	34.2	34.6	31.4	27.9	25.8	24.9	23.9	23.5	23.0
85°	18.2	18.0	17.5	16.3	14.2	13.7	13.5	13.3	12.8	13.0	12.5
87.5°	6.6	6.2	5.7	5.6	5.8	5.5	5.8	6.0	6.1	6.0	6.5
90°	1.9	2.8	3.7	4.5	5.3	5.9	6.5	7.1	7.8	8.2	8.7
92.5°	4.5	4.5	4.6	4.6	5.0	5.6	6.2	6.9	7.5	8.0	8.4
95°	16.8	14.1	11.4	8.8	7.5	7.5	7.6	7.7	7.8	8.2	8.7
97.5°	42.9	44.6	46.3	47.9	44.4	35.6	26.9	18.1	9.3	9.4	9.4
100°	59.4	60.8	62.2	63.6	58.9	48.1	37.2	26.4	15.6	14.2	12.9
102.5°	77.7	78.7	79.7	80.8	80.6	79.2	77.8	76.3	74.9	60.5	46.1
105°	106.8	107.3	107.8	108.3	108.7	109.1	109.5	109.9	110.3	111.0	111.7
107.5°	134.2	134.5	134.7	135.0	135.3	135.9	136.4	136.9	137.5	137.8	138.2
110°	152.9	153.1	153.4	153.6	154.0	154.4	154.9	155.4	155.9	156.0	156.2





TEST NUMBER: P332865

CATALOG NUMBER: S124RDIP-S350D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	171.2	171.6	172.0	172.5	172.8	173.0	173.2	173.4	173.7	173.6	173.6
115°	198.9	199.1	199.3	199.6	199.6	199.6	199.5	199.4	199.3	199.5	199.6
117.5°	224.0	224.3	224.7	225.0	225.2	225.4	225.6	225.7	225.9	225.9	225.8
120°	241.0	241.3	241.6	241.9	242.0	242.0	241.9	241.8	241.7	241.9	242.0
122.5°	256.7	256.9	257.1	257.3	257.4	257.5	257.6	257.7	257.9	257.9	258.0
125°	279.5	279.8	280.1	280.5	280.5	280.4	280.2	280.1	279.9	280.1	280.4
127.5°	300.8	300.8	300.9	301.0	301.2	301.6	301.9	302.3	302.7	302.6	302.6
130°	314.6	314.7	314.8	314.9	315.0	315.2	315.5	315.7	316.0	316.0	316.1
132.5°	327.4	327.5	327.7	327.8	328.0	328.3	328.6	328.9	329.2	329.3	329.4
135°	346.3	346.2	346.1	346.0	346.1	346.5	346.8	347.1	347.4	347.6	347.7
137.5°	363.3	363.3	363.3	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.3
140°	374.4	374.6	374.7	374.9	375.0	375.2	375.4	375.5	375.7	375.9	376.1
142.5°	384.4	384.7	385.0	385.3	385.5	385.6	385.7	385.8	385.9	386.0	386.2
145°	399.6	399.8	400.1	400.3	400.4	400.4	400.4	400.4	400.4	400.5	400.6
147.5°	411.9	412.3	412.8	413.2	413.4	413.3	413.2	413.1	413.1	413.1	413.2
150°	420.5	420.8	421.2	421.5	421.6	421.5	421.4	421.3	421.3	421.3	421.3
152.5°	427.8	428.1	428.3	428.6	428.6	428.5	428.3	428.2	428.1	428.2	428.3
155°	438.0	438.0	438.1	438.2	438.1	437.9	437.6	437.4	437.2	437.5	437.8
157.5°	446.5	446.5	446.4	446.4	446.2	446.0	445.7	445.4	445.2	445.6	446.0
160°	451.4	451.2	451.0	450.7	450.6	450.5	450.4	450.3	450.2	450.7	451.2
162.5°	455.9	455.6	455.3	455.0	454.8	454.7	454.6	454.6	454.5	455.0	455.4
165°	461.5	461.1	460.7	460.3	460.1	460.1	460.1	460.1	460.1	460.8	461.4
167.5°	466.0	465.6	465.2	464.8	464.6	464.5	464.5	464.4	464.4	465.1	465.8
170°	468.5	468.0	467.6	467.1	466.9	467.0	467.1	467.1	467.2	467.8	468.5
172.5°	470.2	469.7	469.3	468.8	468.6	468.7	468.8	468.8	468.9	469.5	470.2
175°	472.0	471.6	471.1	470.6	470.4	470.5	470.6	470.7	470.7	471.5	472.2
177.5°	472.9	472.5	472.0	471.6	471.4	471.6	471.7	471.8	471.9	472.5	473.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	616.2	616.9	617.5	619.4	619.6	621.3	619.6
5°	667.2	670.5	675.7	680.9	681.4	684.7	678.8
7.5°	724.3	732.0	736.8	745.2	748.5	750.6	747.2
10°	763.7	770.8	783.4	789.5	795.7	796.6	793.8
12.5°	801.8	813.0	822.9	834.6	834.3	842.6	839.6
15°	852.5	864.1	877.8	890.8	895.5	895.5	899.3
17.5°	888.6	909.9	924.1	934.3	945.5	947.4	946.1
20°	913.1	936.0	951.2	964.4	972.0	974.1	974.1
22.5°	931.2	950.8	965.6	977.5	983.7	986.2	985.5
25°	943.8	960.6	969.6	973.2	974.8	974.4	969.9
27.5°	926.6	925.8	920.2	909.3	901.1	896.1	890.4
30°	893.7	881.3	867.1	851.5	831.4	816.0	811.3
32.5°	844.6	817.0	792.9	766.9	745.3	729.9	723.4
35°	749.8	706.0	670.2	639.0	616.3	602.1	597.3
37.5°	637.2	594.8	550.6	520.3	501.4	487.1	481.8
40°	565.6	519.5	480.9	452.5	433.1	419.1	418.9
42.5°	500.3	456.2	419.9	399.5	378.6	369.3	369.3
45°	409.7	374.4	343.6	327.5	315.0	307.4	305.3
47.5°	339.2	310.0	289.5	276.7	266.5	261.7	258.5
50°	299.6	274.1	257.7	246.6	240.9	234.8	234.3
52.5°	266.7	246.0	233.3	224.3	217.1	213.4	213.5
55°	224.1	207.8	198.8	191.9	186.3	183.4	182.2
57.5°	188.8	176.6	170.0	163.7	161.3	159.1	158.5
60°	166.9	158.6	152.4	147.4	143.9	143.2	142.9
62.5°	148.7	140.0	135.8	131.9	129.3	128.2	127.8
65°	122.6	116.2	112.4	109.3	108.4	106.7	106.5
67.5°	98.8	95.0	92.5	90.4	89.1	89.0	89.0
70°	84.3	82.1	80.0	78.8	78.1	77.6	77.6
72.5°	71.8	70.2	68.4	67.8	67.7	67.2	67.0
75°	54.7	53.0	53.3	52.1	51.1	49.9	49.2
77.5°	38.8	37.6	37.3	37.2	36.4	36.3	36.6
80°	30.1	28.9	28.6	28.9	28.6	27.9	27.9
82.5°	22.9	21.9	21.6	21.5	21.3	21.5	21.1
85°	12.3	11.8	11.8	11.8	12.3	12.1	11.8
87.5°	6.2	6.1	6.3	6.2	6.2	6.1	6.3
90°	9.2	9.7	10.0	10.1	10.3	10.4	10.6
92.5°	8.9	9.4	9.6	9.7	9.7	9.7	9.8
95°	9.2	9.7	9.9	10.0	10.1	10.2	10.2
97.5°	9.5	9.5	9.6	9.7	9.7	9.8	9.9
100°	11.5	10.2	9.6	9.7	9.7	9.8	9.9
102.5°	31.7	17.3	10.1	10.1	10.1	10.2	10.2
105°	112.4	113.1	112.0	109.2	106.4	103.5	100.7
107.5°	138.5	138.9	139.2	139.5	139.8	140.1	140.4
110°	156.3	156.5	156.7	156.9	157.2	157.4	157.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	173.6	173.5	173.7	174.0	174.3	174.6	174.9
115°	199.8	200.0	200.0	200.0	200.0	200.0	200.0
117.5°	225.8	225.8	225.7	225.7	225.7	225.7	225.6
120°	242.2	242.4	242.4	242.2	242.0	241.9	241.7
122.5°	258.1	258.2	258.2	258.0	257.9	257.7	257.6
125°	280.6	280.8	281.0	281.1	281.2	281.2	281.3
127.5°	302.5	302.5	302.4	302.4	302.3	302.2	302.2
130°	316.2	316.3	316.3	316.3	316.3	316.3	316.3
132.5°	329.5	329.6	329.6	329.5	329.4	329.4	329.3
135°	347.9	348.0	348.2	348.3	348.5	348.7	348.8
137.5°	365.5	365.6	365.7	365.6	365.6	365.5	365.5
140°	376.4	376.6	376.8	376.9	376.9	377.0	377.1
142.5°	386.4	386.5	386.6	386.7	386.7	386.7	386.7
145°	400.7	400.7	400.8	401.0	401.2	401.3	401.5
147.5°	413.3	413.3	413.4	413.5	413.5	413.6	413.7
150°	421.3	421.3	421.3	421.4	421.5	421.5	421.6
152.5°	428.4	428.6	428.6	428.5	428.5	428.5	428.4
155°	438.1	438.4	438.5	438.2	438.0	437.8	437.5
157.5°	446.4	446.8	446.8	446.4	446.0	445.6	445.2
160°	451.7	452.1	452.1	451.7	451.2	450.7	450.2
162.5°	455.9	456.4	456.3	455.8	455.3	454.7	454.2
165°	462.0	462.7	462.6	461.9	461.2	460.5	459.8
167.5°	466.5	467.1	467.1	466.3	465.5	464.7	464.0
170°	469.1	469.7	469.6	468.9	468.1	467.3	466.5
172.5°	470.8	471.4	471.3	470.5	469.6	468.8	467.9
175°	472.9	473.6	473.5	472.5	471.6	470.6	469.7
177.5°	473.5	474.0	473.8	473.1	472.3	471.6	470.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5

(END OF REPORT)