

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: P333498-935

Luminaire Tested: **S125RDIP-S375D590U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333498-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S375D590U935-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3083.8 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

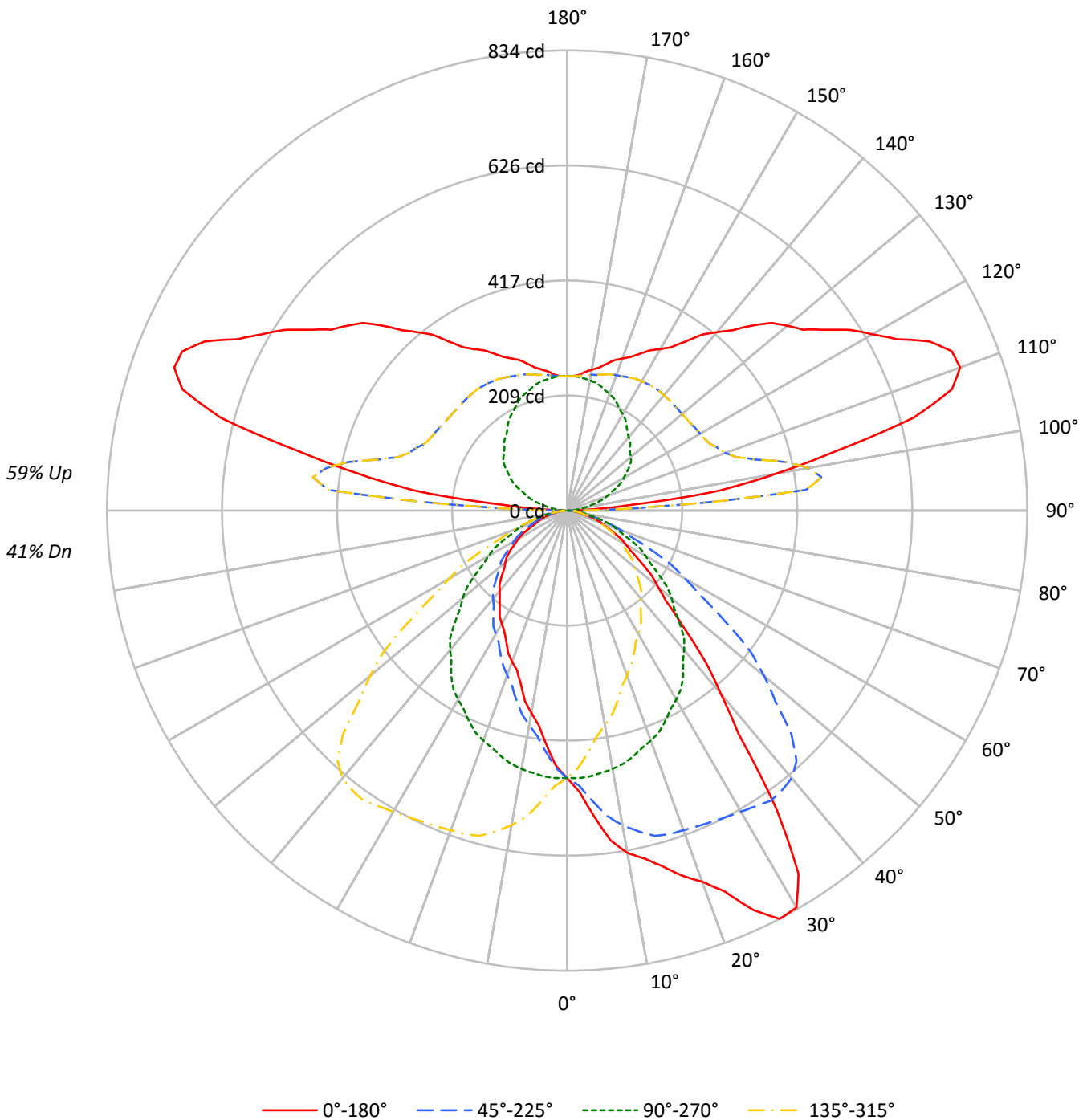
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41	35
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	34	32	30	26
4	73	63	55	50	67	58	51	46	48	43	39	39	35	33	30	28	26	22
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19
6	62	50	43	37	56	46	39	34	39	34	30	32	28	25	25	22	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	29	48	38	31	27	32	27	23	26	22	20	21	18	16	14
9	50	38	30	25	45	35	28	24	29	24	21	24	20	18	19	17	15	12
10	46	34	27	23	42	32	26	21	27	22	19	22	19	16	18	15	13	11

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

	0°	90°	180°	270°
0°	3130	3130	3130	3130
5°	3601	3135	2768	3135
10°	4131	3118	2443	3118
15°	4462	3086	2171	3086
20°	4920	3049	2004	3049
25°	5694	2999	1861	2999
30°	6196	2948	1766	2948
35°	5226	2888	1678	2888
40°	3650	2780	1604	2780
45°	2707	2633	1531	2633
50°	2159	2481	1467	2481
55°	1832	2291	1412	2291
60°	1582	2124	1321	2124
65°	1411	1939	1137	1939
70°	1241	1777	1037	1777
75°	1073	1537	973	1537
80°	815	1294	815	1294
85°	674	1015	763	1015



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.5	1.5
10°-20°	136.2	4.4
20°-30°	215.9	7.0
30°-40°	260.4	8.4
40°-50°	232.6	7.5
50°-60°	178.3	5.8
60°-70°	115.9	3.8
70°-80°	56.3	1.8
80°-90°	14.8	0.5
90°-100°	176.6	5.7
100°-110°	379.6	12.3
110°-120°	356.2	11.6
120°-130°	288.7	9.4
130°-140°	231.7	7.5
140°-150°	174.8	5.7
150°-160°	123.1	4.0
160°-170°	72.5	2.4
170°-180°	23.6	0.8
0°-30°	398.6	12.9
0°-40°	659.0	21.4
0°-60°	1069.9	34.7
0°-90°	1257.0	40.8
90°-120°	912.4	29.6
90°-150°	1607.6	52.1
90°-180°	1827.0	59.2
0°-180°	3083.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	555	484	427	484	555	55
15°	667	462	325	462	667	191
25°	799	421	261	421	799	367
35°	663	366	213	366	663	400
45°	296	288	168	288	296	237
55°	163	204	125	204	163	148
65°	92	127	74	127	92	92
75°	43	62	39	62	43	46
85°	9	14	10	14	9	11
90°	11	0	11	0	11	8
95°	116	16	116	16	116	164
105°	651	56	651	56	651	647
115°	725	99	725	99	725	708
125°	571	138	571	138	571	517
135°	474	161	474	161	474	368
145°	374	188	374	188	374	238
155°	314	214	314	214	314	146
165°	275	234	275	234	275	79
175°	247	243	247	243	247	24
180°	244	244	244	244	244	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	509.8	509.5	510.1	508.3	508.5	505.8	505.8	503.8	501.0	498.9	498.0
5°	555.4	555.9	555.1	552.1	550.1	547.1	543.7	537.8	532.8	528.0	524.3
7.5°	602.5	602.8	600.1	599.3	594.2	590.6	583.1	574.9	567.7	558.5	551.6
10°	629.9	629.6	626.9	624.7	620.4	614.8	607.3	597.9	588.9	578.9	569.4
12.5°	645.8	645.2	644.4	641.7	637.7	632.7	626.5	617.1	606.1	595.2	584.0
15°	667.3	665.9	663.3	659.9	654.1	648.3	641.4	633.1	622.5	610.2	599.9
17.5°	693.9	693.9	689.9	685.2	677.3	667.2	656.4	643.0	628.6	615.1	604.1
20°	715.8	715.2	711.3	702.1	693.1	680.4	668.0	651.5	634.0	616.3	602.6
22.5°	747.3	745.8	741.7	729.6	715.7	699.3	680.4	660.3	639.1	619.1	601.0
25°	799.0	797.8	789.6	775.7	756.2	730.9	706.3	678.6	648.2	621.7	599.9
27.5°	834.3	833.0	826.9	815.4	797.4	770.8	737.4	700.4	662.5	626.0	594.5
30°	830.8	833.8	833.0	827.6	814.1	790.2	759.4	717.8	672.6	629.9	592.3
32.5°	780.8	783.5	790.5	801.1	801.8	792.3	769.2	730.8	684.1	635.4	590.5
35°	662.9	666.5	680.0	701.3	729.2	752.4	757.2	736.5	694.5	642.2	587.9
37.5°	509.6	529.2	540.6	563.0	605.1	647.9	689.1	704.2	686.4	639.4	583.7
40°	432.9	437.6	458.0	483.3	518.7	563.2	621.9	664.3	665.6	633.1	577.0
42.5°	370.5	376.6	390.5	410.7	441.0	485.5	546.1	602.1	627.9	615.5	568.2
45°	296.4	301.0	311.2	326.7	349.9	386.8	438.9	503.5	554.8	575.0	544.8
47.5°	243.5	246.0	254.8	266.7	283.9	310.6	351.0	407.2	468.7	511.9	507.6
50°	214.9	217.7	224.4	233.3	247.9	270.5	302.8	349.6	413.0	465.7	476.3
52.5°	192.6	194.9	199.1	207.6	219.6	236.9	263.0	305.3	362.4	418.4	442.9
55°	162.7	164.4	167.7	172.5	182.0	194.6	217.1	246.3	292.5	349.0	384.8
57.5°	138.2	139.0	141.1	145.5	152.1	161.3	177.5	202.2	235.4	286.3	325.8
60°	122.5	123.4	126.1	129.2	134.3	142.7	155.4	172.7	204.5	246.5	286.5
62.5°	110.1	110.6	111.8	114.8	119.3	125.8	135.8	149.9	175.2	212.2	249.9
65°	92.3	92.5	92.9	95.3	98.1	102.9	109.4	119.3	138.4	166.3	199.8
67.5°	75.2	75.5	76.9	77.7	80.6	83.1	87.0	94.5	108.1	126.8	152.8
70°	65.7	65.4	66.8	67.8	68.8	71.8	74.4	80.6	88.9	103.2	124.9
72.5°	56.7	56.2	56.8	57.2	58.5	60.5	63.1	66.9	73.4	83.2	99.8
75°	43.0	43.1	43.1	43.6	44.6	45.4	46.1	48.1	51.7	58.3	67.2
77.5°	30.1	29.9	30.7	30.8	31.4	32.3	33.0	33.8	35.2	37.9	42.5
80°	21.9	21.9	22.0	22.6	22.5	22.9	23.8	24.7	26.4	28.1	29.6
82.5°	16.8	16.6	16.8	17.0	16.9	17.3	17.7	17.8	18.5	19.3	20.4
85°	9.1	9.1	9.4	9.4	9.6	9.6	9.7	9.7	9.7	10.0	10.2
87.5°	5.8	5.6	5.3	5.3	5.5	5.6	5.3	5.1	5.0	4.9	4.9
90°	11.3	11.3	10.8	10.8	10.8	9.8	9.3	8.9	8.4	7.8	6.9
92.5°	31.3	32.1	32.8	34.0	40.3	47.5	63.2	87.0	128.2	158.3	160.9
95°	115.5	123.3	127.2	142.0	176.8	218.1	278.4	353.1	425.9	435.1	355.1
97.5°	279.0	285.2	299.5	327.0	357.3	414.7	473.6	525.9	538.8	464.7	317.1
100°	383.1	391.0	409.1	444.4	478.4	529.4	580.1	604.1	566.3	443.5	282.9
102.5°	499.4	505.3	525.0	550.2	586.4	621.0	645.2	630.4	549.7	406.1	256.9
105°	650.7	656.7	666.5	682.7	698.4	703.8	682.2	614.9	497.1	356.1	231.8
107.5°	731.1	735.0	738.3	738.4	730.4	704.8	649.3	559.5	443.2	321.6	221.2
110°	757.9	757.9	754.4	745.0	723.0	681.2	612.0	518.7	412.6	305.5	218.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	754.7	751.1	742.6	726.6	694.3	645.1	575.1	486.5	389.8	296.1	218.1
115°	725.0	718.5	704.8	681.2	642.9	589.4	522.1	445.9	364.9	285.9	219.6
117.5°	672.8	668.8	655.2	630.9	592.5	543.4	485.4	419.8	350.1	280.9	222.7
120°	638.9	635.1	621.8	598.2	561.9	518.7	464.6	405.7	341.8	278.4	225.9
122.5°	609.1	605.5	592.3	570.7	538.3	497.8	449.7	395.1	334.8	276.6	228.7
125°	571.2	566.3	555.5	535.4	507.8	472.5	429.7	379.6	325.1	274.1	233.3
127.5°	538.8	536.6	526.4	508.6	483.7	450.6	410.7	363.9	316.3	272.9	238.5
130°	521.1	518.1	508.3	492.1	467.5	435.7	397.4	354.1	310.4	272.1	241.7
132.5°	503.4	500.1	491.0	474.8	450.3	419.6	384.8	344.3	305.7	272.1	245.2
135°	474.4	471.5	462.6	446.4	424.8	396.8	365.4	331.5	300.1	272.1	249.9
137.5°	443.5	440.2	432.1	417.3	398.0	374.3	348.1	320.7	295.1	272.7	254.4
140°	421.9	419.4	412.1	399.3	381.2	360.5	337.9	314.8	292.7	273.1	256.4
142.5°	401.8	399.8	392.8	382.0	366.6	348.7	329.2	309.7	290.8	273.5	257.5
145°	374.3	372.3	366.9	358.5	346.7	333.5	318.2	303.1	287.8	273.1	258.8
147.5°	350.9	350.0	346.8	340.2	330.8	320.8	309.1	296.8	284.7	271.8	259.3
150°	337.9	337.4	335.4	329.6	322.2	313.3	304.0	293.2	282.4	270.6	259.3
152.5°	327.7	327.2	325.2	320.6	314.4	307.5	298.9	289.3	279.7	269.1	258.9
155°	313.8	313.3	311.9	308.4	303.5	298.1	291.3	283.4	275.0	266.2	257.9
157.5°	301.4	301.5	300.1	297.3	293.5	289.3	284.0	277.5	270.7	263.2	256.6
160°	293.2	293.7	292.7	290.2	286.8	283.4	278.4	273.5	267.2	261.3	255.4
162.5°	285.8	285.9	285.7	283.6	280.9	277.8	273.8	269.2	264.1	258.9	254.3
165°	275.0	275.0	275.0	274.1	272.1	269.7	266.7	263.2	259.3	255.4	252.4
167.5°	265.2	265.3	265.7	264.8	263.8	262.1	259.8	257.5	254.7	251.9	249.7
170°	259.3	259.8	259.8	259.3	258.3	257.4	255.9	254.4	251.9	249.9	248.5
172.5°	253.8	254.3	255.1	254.3	254.0	253.4	252.4	250.9	249.2	247.6	246.9
175°	247.0	247.5	248.5	248.1	248.1	248.1	247.0	247.0	245.6	245.0	245.0
177.5°	243.6	243.6	244.8	244.4	244.8	244.8	244.8	244.4	244.0	243.6	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	498.0	496.9	494.8	492.9	490.5	488.4	487.0	485.3	483.0	480.4	478.1
5°	520.0	515.7	509.9	504.9	498.5	493.6	488.4	483.5	478.5	472.1	466.5
7.5°	544.5	535.5	526.7	515.6	505.6	496.6	488.0	479.3	470.8	461.8	453.1
10°	559.5	548.5	536.4	522.5	509.7	497.6	486.5	475.4	463.9	453.8	442.9
12.5°	573.4	559.3	545.4	527.9	512.6	497.7	483.5	469.9	457.6	444.4	432.7
15°	586.1	572.1	556.6	535.2	513.8	495.9	479.2	461.6	446.3	431.5	418.4
17.5°	591.0	576.4	558.4	537.7	514.4	491.9	470.4	451.0	432.9	415.8	401.1
20°	589.1	575.0	556.5	536.7	511.9	488.4	465.1	443.7	423.5	405.4	389.8
22.5°	584.4	569.9	552.0	531.2	507.6	482.7	457.8	434.9	413.9	395.1	378.0
25°	577.6	557.7	539.3	519.0	496.5	471.9	446.3	420.9	398.5	379.4	360.7
27.5°	570.3	545.5	522.2	502.0	478.3	456.3	431.5	405.6	382.0	362.6	343.4
30°	563.8	536.0	510.3	487.4	464.9	444.0	420.6	395.3	371.0	350.9	331.5
32.5°	555.7	526.1	497.9	471.5	449.8	429.1	407.9	383.7	360.1	339.3	319.5
35°	545.5	507.7	477.1	449.0	425.0	404.8	385.7	366.3	342.6	321.1	301.8
37.5°	532.2	489.2	453.8	423.3	397.9	377.7	362.6	344.7	323.1	302.6	284.7
40°	524.0	475.9	437.1	406.8	380.2	358.9	344.7	329.7	310.0	290.7	272.8
42.5°	513.2	463.6	420.3	388.7	361.9	341.4	327.1	313.9	297.4	279.2	260.0
45°	492.0	439.9	394.3	360.5	333.5	313.3	300.0	288.3	275.8	259.0	242.3
47.5°	464.4	415.1	367.4	330.5	304.0	285.3	272.4	263.1	254.2	240.0	223.8
50°	442.3	394.7	348.2	312.4	284.1	266.4	254.3	246.9	238.8	225.8	212.2
52.5°	416.1	373.7	328.1	291.5	264.8	248.2	236.6	229.2	222.5	212.0	199.1
55°	375.1	337.8	296.0	262.8	238.3	221.6	210.5	203.5	199.6	190.6	180.5
57.5°	327.5	300.9	264.1	232.0	210.3	193.9	185.7	179.8	175.3	168.9	161.8
60°	294.5	275.8	242.7	212.2	192.3	176.7	169.3	164.4	160.1	154.8	149.2
62.5°	260.9	247.3	218.5	192.3	174.1	160.9	154.0	149.6	144.7	141.1	135.7
65°	215.9	203.7	183.8	163.3	146.5	135.9	130.9	126.9	124.0	119.9	116.1
67.5°	167.9	163.0	149.2	135.1	123.0	113.6	109.3	106.5	103.0	100.6	98.0
70°	138.4	136.0	126.3	117.0	105.6	99.3	95.3	94.1	89.7	87.3	85.6
72.5°	112.4	111.2	105.6	99.2	91.2	85.6	82.0	80.6	77.7	75.9	74.7
75°	77.0	77.4	76.4	72.2	69.2	65.7	62.5	61.6	59.7	58.1	57.1
77.5°	48.7	50.7	50.8	50.6	49.4	47.3	45.9	45.3	43.4	42.8	42.5
80°	33.4	35.6	37.6	37.4	37.0	36.4	35.4	34.8	33.8	33.2	32.8
82.5°	22.3	24.3	26.0	27.0	26.9	26.3	25.7	25.4	25.2	24.8	24.7
85°	10.5	10.9	11.5	12.9	13.9	14.1	13.9	13.7	13.2	13.3	13.5
87.5°	4.9	4.7	4.8	4.6	4.2	4.8	5.2	5.2	5.0	4.8	4.7
90°	6.4	5.4	4.9	4.0	2.9	2.0	0.9	0.5	0.9	2.0	2.9
92.5°	112.1	67.1	40.3	25.9	17.5	11.4	7.2	6.0	7.2	11.4	17.5
95°	219.6	111.5	59.0	36.9	26.0	20.7	16.7	16.2	16.7	20.7	26.0
97.5°	175.2	96.1	61.3	45.4	35.6	30.2	27.5	26.9	27.5	30.2	35.6
100°	159.1	95.3	66.8	52.1	42.7	37.4	35.4	34.4	35.4	37.4	42.7
102.5°	152.5	98.8	73.4	59.2	50.6	44.8	43.2	42.6	43.2	44.8	50.6
105°	149.8	106.1	84.5	70.7	62.9	57.9	55.5	55.5	55.5	57.9	62.9
107.5°	154.3	116.9	96.0	83.6	75.4	71.4	69.1	68.1	69.1	71.4	75.4
110°	158.6	124.8	104.6	91.9	84.5	80.1	78.1	77.1	78.1	80.1	84.5





TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	164.1	132.2	112.9	100.5	93.2	88.7	87.1	86.2	87.1	88.7	93.2
115°	172.4	143.9	125.7	113.5	106.1	101.7	100.2	99.2	100.2	101.7	106.1
117.5°	181.8	155.9	138.7	126.8	118.5	114.1	112.4	111.0	112.4	114.1	118.5
120°	188.1	164.5	147.3	135.1	126.7	122.3	120.4	118.8	120.4	122.3	126.7
122.5°	195.2	172.8	155.6	143.4	134.1	129.8	128.2	127.1	128.2	129.8	134.1
125°	204.8	183.7	167.5	154.7	145.3	140.9	138.5	137.5	138.5	140.9	145.3
127.5°	213.6	194.2	178.6	165.8	155.9	150.3	147.1	145.7	147.1	150.3	155.9
130°	219.6	200.9	185.6	172.9	162.6	156.2	152.2	150.8	152.2	156.2	162.6
132.5°	224.6	207.2	191.9	179.2	168.5	161.3	156.6	154.7	156.6	161.3	168.5
135°	231.8	215.6	200.4	187.1	176.8	168.9	163.1	161.1	163.1	168.9	176.8
137.5°	237.1	221.6	207.8	194.1	184.0	176.2	170.7	169.2	170.7	176.2	184.0
140°	240.6	225.9	211.7	198.5	189.1	181.2	175.3	173.8	175.3	181.2	189.1
142.5°	242.6	228.7	215.2	202.8	193.8	186.0	180.5	179.3	180.5	186.0	193.8
145°	245.6	233.3	220.5	209.2	200.4	193.5	188.6	187.6	188.6	193.5	200.4
147.5°	247.4	236.3	225.1	215.1	207.4	201.0	196.8	196.2	196.8	201.0	207.4
150°	248.5	238.2	227.4	219.0	212.2	205.8	202.3	201.4	202.3	205.8	212.2
152.5°	249.3	240.1	230.1	222.6	216.1	210.5	207.4	206.9	207.4	210.5	216.1
155°	249.9	242.1	233.8	226.9	222.0	217.1	214.1	214.1	214.1	217.1	222.0
157.5°	250.5	243.8	236.6	231.4	227.1	222.9	220.5	220.6	220.5	222.9	227.1
160°	250.5	244.6	238.2	233.8	229.9	226.4	224.5	225.0	224.5	226.4	229.9
162.5°	250.1	245.4	239.8	236.2	233.0	230.0	228.0	228.5	228.0	230.0	233.0
165°	249.5	245.6	241.7	238.7	236.7	234.3	232.8	233.8	232.8	234.3	236.7
167.5°	248.3	245.6	242.3	240.5	239.1	237.7	236.9	237.3	236.9	237.7	239.1
170°	247.5	245.6	243.1	241.7	240.6	239.7	239.2	239.7	239.2	239.7	240.6
172.5°	246.8	245.2	243.1	242.5	241.9	240.8	240.4	241.3	240.4	240.8	241.9
175°	245.6	244.6	243.1	243.1	243.1	242.6	242.1	243.1	242.1	242.6	243.1
177.5°	244.4	244.0	243.2	243.2	243.6	243.2	243.2	244.0	243.2	243.2	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	476.5	474.3	472.7	469.5	467.3	466.3	464.6	464.1	465.9	464.6	464.4
5°	462.4	456.6	452.0	447.5	442.5	439.3	434.5	433.7	432.5	430.8	430.3
7.5°	445.4	437.8	432.0	424.4	417.8	412.5	406.6	403.7	402.2	399.8	396.7
10°	433.9	425.0	417.0	409.4	401.3	394.7	388.7	384.2	381.2	378.4	377.2
12.5°	422.6	413.5	403.3	394.2	385.0	377.7	371.1	368.1	364.8	361.5	358.8
15°	405.0	393.0	381.8	371.3	363.5	355.5	349.1	344.7	339.8	338.4	333.0
17.5°	386.4	374.5	361.4	350.4	341.4	332.6	325.6	320.6	316.9	311.8	309.4
20°	374.8	360.7	347.9	337.8	327.9	317.5	310.4	306.2	302.6	298.4	296.4
22.5°	362.4	348.6	335.5	323.6	313.6	303.3	298.3	293.9	289.9	286.0	283.4
25°	344.1	330.3	316.5	304.2	293.7	286.3	280.3	275.3	273.2	269.4	266.6
27.5°	326.1	311.3	297.1	284.8	276.6	269.2	264.3	260.5	256.5	253.2	250.7
30°	314.5	299.5	283.9	274.1	265.4	258.5	253.0	249.3	246.3	243.3	241.5
32.5°	302.9	287.3	273.5	263.0	254.8	248.7	243.2	239.5	236.4	233.2	231.0
35°	284.3	268.4	257.3	246.9	238.8	233.2	229.4	224.2	221.6	219.2	217.1
37.5°	267.0	252.2	240.1	231.1	223.9	218.4	213.5	210.8	207.6	205.4	203.6
40°	254.3	240.7	229.8	220.2	215.1	208.9	204.3	200.7	198.4	195.5	193.6
42.5°	242.8	230.2	219.6	211.0	204.6	199.3	194.9	191.3	188.3	186.3	184.7
45°	226.6	214.0	203.7	195.8	189.8	184.9	180.2	178.5	174.4	172.1	171.3
47.5°	209.8	198.6	188.6	181.3	175.2	170.5	166.2	162.6	160.3	158.0	156.7
50°	198.5	187.8	178.5	171.3	165.3	160.1	156.2	153.8	150.8	148.6	147.1
52.5°	187.3	177.3	168.0	161.1	155.9	150.8	146.3	144.0	141.1	139.7	138.6
55°	171.1	160.6	152.6	145.9	140.4	135.7	131.5	129.2	127.3	126.0	125.5
57.5°	152.8	144.5	137.1	131.0	125.4	120.9	117.2	114.9	113.4	113.1	111.9
60°	140.9	133.3	126.6	119.9	115.2	111.0	107.8	105.2	103.7	103.5	103.1
62.5°	128.9	121.7	115.4	109.6	105.3	101.3	98.2	95.4	94.5	93.4	92.6
65°	111.2	104.6	99.4	94.9	90.3	87.0	83.9	82.1	80.0	78.8	76.6
67.5°	93.8	88.8	83.8	79.9	76.3	73.1	70.6	67.9	66.5	65.5	64.0
70°	82.4	78.4	73.4	69.2	66.5	63.9	61.9	58.9	57.9	57.1	56.3
72.5°	71.5	68.0	63.9	60.4	57.7	55.3	53.0	51.6	50.5	49.8	49.3
75°	56.3	53.0	49.3	46.9	44.9	43.0	41.8	40.8	40.4	40.2	39.4
77.5°	41.3	39.5	36.7	34.8	33.5	32.6	31.6	31.1	31.0	30.1	29.9
80°	31.6	30.7	28.2	27.5	26.4	25.7	25.1	24.1	23.1	22.6	22.0
82.5°	23.5	22.6	21.5	20.3	19.5	18.9	18.4	18.0	18.2	17.6	17.3
85°	12.6	11.5	11.1	10.9	10.5	10.9	10.8	10.5	10.3	10.2	10.3
87.5°	4.7	5.0	4.9	5.4	5.0	5.4	5.5	5.4	5.5	5.6	5.7
90°	4.0	4.9	5.4	6.4	6.9	7.8	8.4	8.9	9.3	9.8	10.8
92.5°	25.9	40.3	67.1	112.1	160.9	158.3	128.2	87.0	63.2	47.5	40.3
95°	36.9	59.0	111.5	219.6	355.1	435.1	425.9	353.1	278.4	218.1	176.8
97.5°	45.4	61.3	96.1	175.2	317.1	464.7	538.8	525.9	473.6	414.7	357.3
100°	52.1	66.8	95.3	159.1	282.9	443.5	566.3	604.1	580.1	529.4	478.4
102.5°	59.2	73.4	98.8	152.5	256.9	406.1	549.7	630.4	645.2	621.0	586.4
105°	70.7	84.5	106.1	149.8	231.8	356.1	497.1	614.9	682.2	703.8	698.4
107.5°	83.6	96.0	116.9	154.3	221.2	321.6	443.2	559.5	649.3	704.8	730.4
110°	91.9	104.6	124.8	158.6	218.1	305.5	412.6	518.7	612.0	681.2	723.0



TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	100.5	112.9	132.2	164.1	218.1	296.1	389.8	486.5	575.1	645.1	694.3
115°	113.5	125.7	143.9	172.4	219.6	285.9	364.9	445.9	522.1	589.4	642.9
117.5°	126.8	138.7	155.9	181.8	222.7	280.9	350.1	419.8	485.4	543.4	592.5
120°	135.1	147.3	164.5	188.1	225.9	278.4	341.8	405.7	464.6	518.7	561.9
122.5°	143.4	155.6	172.8	195.2	228.7	276.6	334.8	395.1	449.7	497.8	538.3
125°	154.7	167.5	183.7	204.8	233.3	274.1	325.1	379.6	429.7	472.5	507.8
127.5°	165.8	178.6	194.2	213.6	238.5	272.9	316.3	363.9	410.7	450.6	483.7
130°	172.9	185.6	200.9	219.6	241.7	272.1	310.4	354.1	397.4	435.7	467.5
132.5°	179.2	191.9	207.2	224.6	245.2	272.1	305.7	344.3	384.8	419.6	450.3
135°	187.1	200.4	215.6	231.8	249.9	272.1	300.1	331.5	365.4	396.8	424.8
137.5°	194.1	207.8	221.6	237.1	254.4	272.7	295.1	320.7	348.1	374.3	398.0
140°	198.5	211.7	225.9	240.6	256.4	273.1	292.7	314.8	337.9	360.5	381.2
142.5°	202.8	215.2	228.7	242.6	257.5	273.5	290.8	309.7	329.2	348.7	366.6
145°	209.2	220.5	233.3	245.6	258.8	273.1	287.8	303.1	318.2	333.5	346.7
147.5°	215.1	225.1	236.3	247.4	259.3	271.8	284.7	296.8	309.1	320.8	330.8
150°	219.0	227.4	238.2	248.5	259.3	270.6	282.4	293.2	304.0	313.3	322.2
152.5°	222.6	230.1	240.1	249.3	258.9	269.1	279.7	289.3	298.9	307.5	314.4
155°	226.9	233.8	242.1	249.9	257.9	266.2	275.0	283.4	291.3	298.1	303.5
157.5°	231.4	236.6	243.8	250.5	256.6	263.2	270.7	277.5	284.0	289.3	293.5
160°	233.8	238.2	244.6	250.5	255.4	261.3	267.2	273.5	278.4	283.4	286.8
162.5°	236.2	239.8	245.4	250.1	254.3	258.9	264.1	269.2	273.8	277.8	280.9
165°	238.7	241.7	245.6	249.5	252.4	255.4	259.3	263.2	266.7	269.7	272.1
167.5°	240.5	242.3	245.6	248.3	249.7	251.9	254.7	257.5	259.8	262.1	263.8
170°	241.7	243.1	245.6	247.5	248.5	249.9	251.9	254.4	255.9	257.4	258.3
172.5°	242.5	243.1	245.2	246.8	246.9	247.6	249.2	250.9	252.4	253.4	254.0
175°	243.1	243.1	244.6	245.6	245.0	245.0	245.6	247.0	247.0	248.1	248.1
177.5°	243.2	243.2	244.0	244.4	243.6	243.6	244.0	244.4	244.8	244.8	244.8
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	464.3	462.5	462.0	462.7	462.0	462.5	464.3	464.4	464.6	465.9	464.1
5°	428.3	426.4	427.3	427.0	427.3	426.4	428.3	430.3	430.8	432.5	433.7
7.5°	396.7	394.3	391.7	392.4	391.7	394.3	396.7	396.7	399.8	402.2	403.7
10°	374.6	372.6	371.4	372.5	371.4	372.6	374.6	377.2	378.4	381.2	384.2
12.5°	356.0	354.8	353.8	353.4	353.8	354.8	356.0	358.8	361.5	364.8	368.1
15°	330.6	328.3	327.3	324.7	327.3	328.3	330.6	333.0	338.4	339.8	344.7
17.5°	307.3	306.5	303.9	302.8	303.9	306.5	307.3	309.4	311.8	316.9	320.6
20°	293.4	292.7	290.1	291.6	290.1	292.7	293.4	296.4	298.4	302.6	306.2
22.5°	282.0	280.3	279.4	279.0	279.4	280.3	282.0	283.4	286.0	289.9	293.9
25°	265.8	263.2	262.2	261.1	262.2	263.2	265.8	266.6	269.4	273.2	275.3
27.5°	249.6	248.2	246.9	246.6	246.9	248.2	249.6	250.7	253.2	256.5	260.5
30°	239.1	237.7	236.8	236.8	236.8	237.7	239.1	241.5	243.3	246.3	249.3
32.5°	229.7	228.7	227.6	227.5	227.6	228.7	229.7	231.0	233.2	236.4	239.5
35°	216.0	214.5	214.0	212.8	214.0	214.5	216.0	217.1	219.2	221.6	224.2
37.5°	201.8	200.5	200.5	200.4	200.5	200.5	201.8	203.6	205.4	207.6	210.8
40°	192.8	191.7	191.6	190.2	191.6	191.7	192.8	193.6	195.5	198.4	200.7
42.5°	183.0	182.5	181.8	181.2	181.8	182.5	183.0	184.7	186.3	188.3	191.3
45°	169.9	168.5	168.5	167.6	168.5	168.5	169.9	171.3	172.1	174.4	178.5
47.5°	156.3	155.2	155.3	154.3	155.3	155.2	156.3	156.7	158.0	160.3	162.6
50°	147.2	146.6	146.5	146.0	146.5	146.6	147.2	147.1	148.6	150.8	153.8
52.5°	138.2	137.8	138.6	137.8	138.6	137.8	138.2	138.6	139.7	141.1	144.0
55°	126.0	125.4	126.6	125.4	126.6	125.4	126.0	125.5	126.0	127.3	129.2
57.5°	111.9	111.3	112.4	111.8	112.4	111.3	111.9	111.9	113.1	113.4	114.9
60°	102.6	101.4	102.0	102.3	102.0	101.4	102.6	103.1	103.5	103.7	105.2
62.5°	91.7	90.9	91.4	90.5	91.4	90.9	91.7	92.6	93.4	94.5	95.4
65°	76.2	75.6	74.8	74.4	74.8	75.6	76.2	76.6	78.8	80.0	82.1
67.5°	64.1	62.6	62.5	62.9	62.5	62.6	64.1	64.0	65.5	66.5	67.9
70°	55.1	55.1	54.9	54.9	54.9	55.1	55.1	56.3	57.1	57.9	58.9
72.5°	48.9	48.7	48.4	48.2	48.4	48.7	48.9	49.3	49.8	50.5	51.6
75°	39.4	39.6	39.2	39.0	39.2	39.6	39.4	39.4	40.2	40.4	40.8
77.5°	29.1	28.2	28.7	28.2	28.7	28.2	29.1	29.9	30.1	31.0	31.1
80°	22.0	21.9	22.5	21.9	22.5	21.9	22.0	22.0	22.6	23.1	24.1
82.5°	17.5	17.3	17.6	17.1	17.6	17.3	17.5	17.3	17.6	18.2	18.0
85°	10.5	10.3	10.2	10.3	10.2	10.3	10.5	10.3	10.2	10.3	10.5
87.5°	5.9	5.7	5.8	5.8	5.8	5.7	5.9	5.7	5.6	5.5	5.4
90°	10.8	10.8	11.3	11.3	11.3	10.8	10.8	10.8	9.8	9.3	8.9
92.5°	34.0	32.8	32.1	31.3	32.1	32.8	34.0	40.3	47.5	63.2	87.0
95°	142.0	127.2	123.3	115.5	123.3	127.2	142.0	176.8	218.1	278.4	353.1
97.5°	327.0	299.5	285.2	279.0	285.2	299.5	327.0	357.3	414.7	473.6	525.9
100°	444.4	409.1	391.0	383.1	391.0	409.1	444.4	478.4	529.4	580.1	604.1
102.5°	550.2	525.0	505.3	499.4	505.3	525.0	550.2	586.4	621.0	645.2	630.4
105°	682.7	666.5	656.7	650.7	656.7	666.5	682.7	698.4	703.8	682.2	614.9
107.5°	738.4	738.3	735.0	731.1	735.0	738.3	738.4	730.4	704.8	649.3	559.5
110°	745.0	754.4	757.9	757.9	757.9	754.4	745.0	723.0	681.2	612.0	518.7



TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	726.6	742.6	751.1	754.7	751.1	742.6	726.6	694.3	645.1	575.1	486.5
115°	681.2	704.8	718.5	725.0	718.5	704.8	681.2	642.9	589.4	522.1	445.9
117.5°	630.9	655.2	668.8	672.8	668.8	655.2	630.9	592.5	543.4	485.4	419.8
120°	598.2	621.8	635.1	638.9	635.1	621.8	598.2	561.9	518.7	464.6	405.7
122.5°	570.7	592.3	605.5	609.1	605.5	592.3	570.7	538.3	497.8	449.7	395.1
125°	535.4	555.5	566.3	571.2	566.3	555.5	535.4	507.8	472.5	429.7	379.6
127.5°	508.6	526.4	536.6	538.8	536.6	526.4	508.6	483.7	450.6	410.7	363.9
130°	492.1	508.3	518.1	521.1	518.1	508.3	492.1	467.5	435.7	397.4	354.1
132.5°	474.8	491.0	500.1	503.4	500.1	491.0	474.8	450.3	419.6	384.8	344.3
135°	446.4	462.6	471.5	474.4	471.5	462.6	446.4	424.8	396.8	365.4	331.5
137.5°	417.3	432.1	440.2	443.5	440.2	432.1	417.3	398.0	374.3	348.1	320.7
140°	399.3	412.1	419.4	421.9	419.4	412.1	399.3	381.2	360.5	337.9	314.8
142.5°	382.0	392.8	399.8	401.8	399.8	392.8	382.0	366.6	348.7	329.2	309.7
145°	358.5	366.9	372.3	374.3	372.3	366.9	358.5	346.7	333.5	318.2	303.1
147.5°	340.2	346.8	350.0	350.9	350.0	346.8	340.2	330.8	320.8	309.1	296.8
150°	329.6	335.4	337.4	337.9	337.4	335.4	329.6	322.2	313.3	304.0	293.2
152.5°	320.6	325.2	327.2	327.7	327.2	325.2	320.6	314.4	307.5	298.9	289.3
155°	308.4	311.9	313.3	313.8	313.3	311.9	308.4	303.5	298.1	291.3	283.4
157.5°	297.3	300.1	301.5	301.4	301.5	300.1	297.3	293.5	289.3	284.0	277.5
160°	290.2	292.7	293.7	293.2	293.7	292.7	290.2	286.8	283.4	278.4	273.5
162.5°	283.6	285.7	285.9	285.8	285.9	285.7	283.6	280.9	277.8	273.8	269.2
165°	274.1	275.0	275.0	275.0	275.0	275.0	274.1	272.1	269.7	266.7	263.2
167.5°	264.8	265.7	265.3	265.2	265.3	265.7	264.8	263.8	262.1	259.8	257.5
170°	259.3	259.8	259.8	259.3	259.8	259.8	259.3	258.3	257.4	255.9	254.4
172.5°	254.3	255.1	254.3	253.8	254.3	255.1	254.3	254.0	253.4	252.4	250.9
175°	248.1	248.5	247.5	247.0	247.5	248.5	248.1	248.1	248.1	247.0	247.0
177.5°	244.4	244.8	243.6	243.6	243.6	244.8	244.4	244.8	244.8	244.8	244.4
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	464.6	466.3	467.3	469.5	472.7	474.3	476.5	478.1	480.4	483.0	485.3
5°	434.5	439.3	442.5	447.5	452.0	456.6	462.4	466.5	472.1	478.5	483.5
7.5°	406.6	412.5	417.8	424.4	432.0	437.8	445.4	453.1	461.8	470.8	479.3
10°	388.7	394.7	401.3	409.4	417.0	425.0	433.9	442.9	453.8	463.9	475.4
12.5°	371.1	377.7	385.0	394.2	403.3	413.5	422.6	432.7	444.4	457.6	469.9
15°	349.1	355.5	363.5	371.3	381.8	393.0	405.0	418.4	431.5	446.3	461.6
17.5°	325.6	332.6	341.4	350.4	361.4	374.5	386.4	401.1	415.8	432.9	451.0
20°	310.4	317.5	327.9	337.8	347.9	360.7	374.8	389.8	405.4	423.5	443.7
22.5°	298.3	303.3	313.6	323.6	335.5	348.6	362.4	378.0	395.1	413.9	434.9
25°	280.3	286.3	293.7	304.2	316.5	330.3	344.1	360.7	379.4	398.5	420.9
27.5°	264.3	269.2	276.6	284.8	297.1	311.3	326.1	343.4	362.6	382.0	405.6
30°	253.0	258.5	265.4	274.1	283.9	299.5	314.5	331.5	350.9	371.0	395.3
32.5°	243.2	248.7	254.8	263.0	273.5	287.3	302.9	319.5	339.3	360.1	383.7
35°	229.4	233.2	238.8	246.9	257.3	268.4	284.3	301.8	321.1	342.6	366.3
37.5°	213.5	218.4	223.9	231.1	240.1	252.2	267.0	284.7	302.6	323.1	344.7
40°	204.3	208.9	215.1	220.2	229.8	240.7	254.3	272.8	290.7	310.0	329.7
42.5°	194.9	199.3	204.6	211.0	219.6	230.2	242.8	260.0	279.2	297.4	313.9
45°	180.2	184.9	189.8	195.8	203.7	214.0	226.6	242.3	259.0	275.8	288.3
47.5°	166.2	170.5	175.2	181.3	188.6	198.6	209.8	223.8	240.0	254.2	263.1
50°	156.2	160.1	165.3	171.3	178.5	187.8	198.5	212.2	225.8	238.8	246.9
52.5°	146.3	150.8	155.9	161.1	168.0	177.3	187.3	199.1	212.0	222.5	229.2
55°	131.5	135.7	140.4	145.9	152.6	160.6	171.1	180.5	190.6	199.6	203.5
57.5°	117.2	120.9	125.4	131.0	137.1	144.5	152.8	161.8	168.9	175.3	179.8
60°	107.8	111.0	115.2	119.9	126.6	133.3	140.9	149.2	154.8	160.1	164.4
62.5°	98.2	101.3	105.3	109.6	115.4	121.7	128.9	135.7	141.1	144.7	149.6
65°	83.9	87.0	90.3	94.9	99.4	104.6	111.2	116.1	119.9	124.0	126.9
67.5°	70.6	73.1	76.3	79.9	83.8	88.8	93.8	98.0	100.6	103.0	106.5
70°	61.9	63.9	66.5	69.2	73.4	78.4	82.4	85.6	87.3	89.7	94.1
72.5°	53.0	55.3	57.7	60.4	63.9	68.0	71.5	74.7	75.9	77.7	80.6
75°	41.8	43.0	44.9	46.9	49.3	53.0	56.3	57.1	58.1	59.7	61.6
77.5°	31.6	32.6	33.5	34.8	36.7	39.5	41.3	42.5	42.8	43.4	45.3
80°	25.1	25.7	26.4	27.5	28.2	30.7	31.6	32.8	33.2	33.8	34.8
82.5°	18.4	18.9	19.5	20.3	21.5	22.6	23.5	24.7	24.8	25.2	25.4
85°	10.8	10.9	10.5	10.9	11.1	11.5	12.6	13.5	13.3	13.2	13.7
87.5°	5.5	5.4	5.0	5.4	4.9	5.0	4.7	4.7	4.8	5.0	5.2
90°	8.4	7.8	6.9	6.4	5.4	4.9	4.0	2.9	2.0	0.9	0.5
92.5°	128.2	158.3	160.9	112.1	67.1	40.3	25.9	17.5	11.4	7.2	6.0
95°	425.9	435.1	355.1	219.6	111.5	59.0	36.9	26.0	20.7	16.7	16.2
97.5°	538.8	464.7	317.1	175.2	96.1	61.3	45.4	35.6	30.2	27.5	26.9
100°	566.3	443.5	282.9	159.1	95.3	66.8	52.1	42.7	37.4	35.4	34.4
102.5°	549.7	406.1	256.9	152.5	98.8	73.4	59.2	50.6	44.8	43.2	42.6
105°	497.1	356.1	231.8	149.8	106.1	84.5	70.7	62.9	57.9	55.5	55.5
107.5°	443.2	321.6	221.2	154.3	116.9	96.0	83.6	75.4	71.4	69.1	68.1
110°	412.6	305.5	218.1	158.6	124.8	104.6	91.9	84.5	80.1	78.1	77.1



TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	389.8	296.1	218.1	164.1	132.2	112.9	100.5	93.2	88.7	87.1	86.2
115°	364.9	285.9	219.6	172.4	143.9	125.7	113.5	106.1	101.7	100.2	99.2
117.5°	350.1	280.9	222.7	181.8	155.9	138.7	126.8	118.5	114.1	112.4	111.0
120°	341.8	278.4	225.9	188.1	164.5	147.3	135.1	126.7	122.3	120.4	118.8
122.5°	334.8	276.6	228.7	195.2	172.8	155.6	143.4	134.1	129.8	128.2	127.1
125°	325.1	274.1	233.3	204.8	183.7	167.5	154.7	145.3	140.9	138.5	137.5
127.5°	316.3	272.9	238.5	213.6	194.2	178.6	165.8	155.9	150.3	147.1	145.7
130°	310.4	272.1	241.7	219.6	200.9	185.6	172.9	162.6	156.2	152.2	150.8
132.5°	305.7	272.1	245.2	224.6	207.2	191.9	179.2	168.5	161.3	156.6	154.7
135°	300.1	272.1	249.9	231.8	215.6	200.4	187.1	176.8	168.9	163.1	161.1
137.5°	295.1	272.7	254.4	237.1	221.6	207.8	194.1	184.0	176.2	170.7	169.2
140°	292.7	273.1	256.4	240.6	225.9	211.7	198.5	189.1	181.2	175.3	173.8
142.5°	290.8	273.5	257.5	242.6	228.7	215.2	202.8	193.8	186.0	180.5	179.3
145°	287.8	273.1	258.8	245.6	233.3	220.5	209.2	200.4	193.5	188.6	187.6
147.5°	284.7	271.8	259.3	247.4	236.3	225.1	215.1	207.4	201.0	196.8	196.2
150°	282.4	270.6	259.3	248.5	238.2	227.4	219.0	212.2	205.8	202.3	201.4
152.5°	279.7	269.1	258.9	249.3	240.1	230.1	222.6	216.1	210.5	207.4	206.9
155°	275.0	266.2	257.9	249.9	242.1	233.8	226.9	222.0	217.1	214.1	214.1
157.5°	270.7	263.2	256.6	250.5	243.8	236.6	231.4	227.1	222.9	220.5	220.6
160°	267.2	261.3	255.4	250.5	244.6	238.2	233.8	229.9	226.4	224.5	225.0
162.5°	264.1	258.9	254.3	250.1	245.4	239.8	236.2	233.0	230.0	228.0	228.5
165°	259.3	255.4	252.4	249.5	245.6	241.7	238.7	236.7	234.3	232.8	233.8
167.5°	254.7	251.9	249.7	248.3	245.6	242.3	240.5	239.1	237.7	236.9	237.3
170°	251.9	249.9	248.5	247.5	245.6	243.1	241.7	240.6	239.7	239.2	239.7
172.5°	249.2	247.6	246.9	246.8	245.2	243.1	242.5	241.9	240.8	240.4	241.3
175°	245.6	245.0	245.0	245.6	244.6	243.1	243.1	243.1	242.6	242.1	243.1
177.5°	244.0	243.6	243.6	244.4	244.0	243.2	243.2	243.6	243.2	243.2	244.0
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	487.0	488.4	490.5	492.9	494.8	496.9	498.0	498.0	498.9	501.0	503.8
5°	488.4	493.6	498.5	504.9	509.9	515.7	520.0	524.3	528.0	532.8	537.8
7.5°	488.0	496.6	505.6	515.6	526.7	535.5	544.5	551.6	558.5	567.7	574.9
10°	486.5	497.6	509.7	522.5	536.4	548.5	559.5	569.4	578.9	588.9	597.9
12.5°	483.5	497.7	512.6	527.9	545.4	559.3	573.4	584.0	595.2	606.1	617.1
15°	479.2	495.9	513.8	535.2	556.6	572.1	586.1	599.9	610.2	622.5	633.1
17.5°	470.4	491.9	514.4	537.7	558.4	576.4	591.0	604.1	615.1	628.6	643.0
20°	465.1	488.4	511.9	536.7	556.5	575.0	589.1	602.6	616.3	634.0	651.5
22.5°	457.8	482.7	507.6	531.2	552.0	569.9	584.4	601.0	619.1	639.1	660.3
25°	446.3	471.9	496.5	519.0	539.3	557.7	577.6	599.9	621.7	648.2	678.6
27.5°	431.5	456.3	478.3	502.0	522.2	545.5	570.3	594.5	626.0	662.5	700.4
30°	420.6	444.0	464.9	487.4	510.3	536.0	563.8	592.3	629.9	672.6	717.8
32.5°	407.9	429.1	449.8	471.5	497.9	526.1	555.7	590.5	635.4	684.1	730.8
35°	385.7	404.8	425.0	449.0	477.1	507.7	545.5	587.9	642.2	694.5	736.5
37.5°	362.6	377.7	397.9	423.3	453.8	489.2	532.2	583.7	639.4	686.4	704.2
40°	344.7	358.9	380.2	406.8	437.1	475.9	524.0	577.0	633.1	665.6	664.3
42.5°	327.1	341.4	361.9	388.7	420.3	463.6	513.2	568.2	615.5	627.9	602.1
45°	300.0	313.3	333.5	360.5	394.3	439.9	492.0	544.8	575.0	554.8	503.5
47.5°	272.4	285.3	304.0	330.5	367.4	415.1	464.4	507.6	511.9	468.7	407.2
50°	254.3	266.4	284.1	312.4	348.2	394.7	442.3	476.3	465.7	413.0	349.6
52.5°	236.6	248.2	264.8	291.5	328.1	373.7	416.1	442.9	418.4	362.4	305.3
55°	210.5	221.6	238.3	262.8	296.0	337.8	375.1	384.8	349.0	292.5	246.3
57.5°	185.7	193.9	210.3	232.0	264.1	300.9	327.5	325.8	286.3	235.4	202.2
60°	169.3	176.7	192.3	212.2	242.7	275.8	294.5	286.5	246.5	204.5	172.7
62.5°	154.0	160.9	174.1	192.3	218.5	247.3	260.9	249.9	212.2	175.2	149.9
65°	130.9	135.9	146.5	163.3	183.8	203.7	215.9	199.8	166.3	138.4	119.3
67.5°	109.3	113.6	123.0	135.1	149.2	163.0	167.9	152.8	126.8	108.1	94.5
70°	95.3	99.3	105.6	117.0	126.3	136.0	138.4	124.9	103.2	88.9	80.6
72.5°	82.0	85.6	91.2	99.2	105.6	111.2	112.4	99.8	83.2	73.4	66.9
75°	62.5	65.7	69.2	72.2	76.4	77.4	77.0	67.2	58.3	51.7	48.1
77.5°	45.9	47.3	49.4	50.6	50.8	50.7	48.7	42.5	37.9	35.2	33.8
80°	35.4	36.4	37.0	37.4	37.6	35.6	33.4	29.6	28.1	26.4	24.7
82.5°	25.7	26.3	26.9	27.0	26.0	24.3	22.3	20.4	19.3	18.5	17.8
85°	13.9	14.1	13.9	12.9	11.5	10.9	10.5	10.2	10.0	9.7	9.7
87.5°	5.2	4.8	4.2	4.6	4.8	4.7	4.9	4.9	4.9	5.0	5.1
90°	0.9	2.0	2.9	4.0	4.9	5.4	6.4	6.9	7.8	8.4	8.9
92.5°	7.2	11.4	17.5	25.9	40.3	67.1	112.1	160.9	158.3	128.2	87.0
95°	16.7	20.7	26.0	36.9	59.0	111.5	219.6	355.1	435.1	425.9	353.1
97.5°	27.5	30.2	35.6	45.4	61.3	96.1	175.2	317.1	464.7	538.8	525.9
100°	35.4	37.4	42.7	52.1	66.8	95.3	159.1	282.9	443.5	566.3	604.1
102.5°	43.2	44.8	50.6	59.2	73.4	98.8	152.5	256.9	406.1	549.7	630.4
105°	55.5	57.9	62.9	70.7	84.5	106.1	149.8	231.8	356.1	497.1	614.9
107.5°	69.1	71.4	75.4	83.6	96.0	116.9	154.3	221.2	321.6	443.2	559.5
110°	78.1	80.1	84.5	91.9	104.6	124.8	158.6	218.1	305.5	412.6	518.7





TEST NUMBER: P333498-935

CATALOG NUMBER: S125RDIP-S375D590U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	87.1	88.7	93.2	100.5	112.9	132.2	164.1	218.1	296.1	389.8	486.5
115°	100.2	101.7	106.1	113.5	125.7	143.9	172.4	219.6	285.9	364.9	445.9
117.5°	112.4	114.1	118.5	126.8	138.7	155.9	181.8	222.7	280.9	350.1	419.8
120°	120.4	122.3	126.7	135.1	147.3	164.5	188.1	225.9	278.4	341.8	405.7
122.5°	128.2	129.8	134.1	143.4	155.6	172.8	195.2	228.7	276.6	334.8	395.1
125°	138.5	140.9	145.3	154.7	167.5	183.7	204.8	233.3	274.1	325.1	379.6
127.5°	147.1	150.3	155.9	165.8	178.6	194.2	213.6	238.5	272.9	316.3	363.9
130°	152.2	156.2	162.6	172.9	185.6	200.9	219.6	241.7	272.1	310.4	354.1
132.5°	156.6	161.3	168.5	179.2	191.9	207.2	224.6	245.2	272.1	305.7	344.3
135°	163.1	168.9	176.8	187.1	200.4	215.6	231.8	249.9	272.1	300.1	331.5
137.5°	170.7	176.2	184.0	194.1	207.8	221.6	237.1	254.4	272.7	295.1	320.7
140°	175.3	181.2	189.1	198.5	211.7	225.9	240.6	256.4	273.1	292.7	314.8
142.5°	180.5	186.0	193.8	202.8	215.2	228.7	242.6	257.5	273.5	290.8	309.7
145°	188.6	193.5	200.4	209.2	220.5	233.3	245.6	258.8	273.1	287.8	303.1
147.5°	196.8	201.0	207.4	215.1	225.1	236.3	247.4	259.3	271.8	284.7	296.8
150°	202.3	205.8	212.2	219.0	227.4	238.2	248.5	259.3	270.6	282.4	293.2
152.5°	207.4	210.5	216.1	222.6	230.1	240.1	249.3	258.9	269.1	279.7	289.3
155°	214.1	217.1	222.0	226.9	233.8	242.1	249.9	257.9	266.2	275.0	283.4
157.5°	220.5	222.9	227.1	231.4	236.6	243.8	250.5	256.6	263.2	270.7	277.5
160°	224.5	226.4	229.9	233.8	238.2	244.6	250.5	255.4	261.3	267.2	273.5
162.5°	228.0	230.0	233.0	236.2	239.8	245.4	250.1	254.3	258.9	264.1	269.2
165°	232.8	234.3	236.7	238.7	241.7	245.6	249.5	252.4	255.4	259.3	263.2
167.5°	236.9	237.7	239.1	240.5	242.3	245.6	248.3	249.7	251.9	254.7	257.5
170°	239.2	239.7	240.6	241.7	243.1	245.6	247.5	248.5	249.9	251.9	254.4
172.5°	240.4	240.8	241.9	242.5	243.1	245.2	246.8	246.9	247.6	249.2	250.9
175°	242.1	242.6	243.1	243.1	243.1	244.6	245.6	245.0	245.0	245.6	247.0
177.5°	243.2	243.2	243.6	243.2	243.2	244.0	244.4	243.6	243.6	244.0	244.4
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	505.8	505.8	508.5	508.3	510.1	509.5	509.8
5°	543.7	547.1	550.1	552.1	555.1	555.9	555.4
7.5°	583.1	590.6	594.2	599.3	600.1	602.8	602.5
10°	607.3	614.8	620.4	624.7	626.9	629.6	629.9
12.5°	626.5	632.7	637.7	641.7	644.4	645.2	645.8
15°	641.4	648.3	654.1	659.9	663.3	665.9	667.3
17.5°	656.4	667.2	677.3	685.2	689.9	693.9	693.9
20°	668.0	680.4	693.1	702.1	711.3	715.2	715.8
22.5°	680.4	699.3	715.7	729.6	741.7	745.8	747.3
25°	706.3	730.9	756.2	775.7	789.6	797.8	799.0
27.5°	737.4	770.8	797.4	815.4	826.9	833.0	834.3
30°	759.4	790.2	814.1	827.6	833.0	833.8	830.8
32.5°	769.2	792.3	801.8	801.1	790.5	783.5	780.8
35°	757.2	752.4	729.2	701.3	680.0	666.5	662.9
37.5°	689.1	647.9	605.1	563.0	540.6	529.2	509.6
40°	621.9	563.2	518.7	483.3	458.0	437.6	432.9
42.5°	546.1	485.5	441.0	410.7	390.5	376.6	370.5
45°	438.9	386.8	349.9	326.7	311.2	301.0	296.4
47.5°	351.0	310.6	283.9	266.7	254.8	246.0	243.5
50°	302.8	270.5	247.9	233.3	224.4	217.7	214.9
52.5°	263.0	236.9	219.6	207.6	199.1	194.9	192.6
55°	217.1	194.6	182.0	172.5	167.7	164.4	162.7
57.5°	177.5	161.3	152.1	145.5	141.1	139.0	138.2
60°	155.4	142.7	134.3	129.2	126.1	123.4	122.5
62.5°	135.8	125.8	119.3	114.8	111.8	110.6	110.1
65°	109.4	102.9	98.1	95.3	92.9	92.5	92.3
67.5°	87.0	83.1	80.6	77.7	76.9	75.5	75.2
70°	74.4	71.8	68.8	67.8	66.8	65.4	65.7
72.5°	63.1	60.5	58.5	57.2	56.8	56.2	56.7
75°	46.1	45.4	44.6	43.6	43.1	43.1	43.0
77.5°	33.0	32.3	31.4	30.8	30.7	29.9	30.1
80°	23.8	22.9	22.5	22.6	22.0	21.9	21.9
82.5°	17.7	17.3	16.9	17.0	16.8	16.6	16.8
85°	9.7	9.6	9.6	9.4	9.4	9.1	9.1
87.5°	5.3	5.6	5.5	5.3	5.3	5.6	5.8
90°	9.3	9.8	10.8	10.8	10.8	11.3	11.3
92.5°	63.2	47.5	40.3	34.0	32.8	32.1	31.3
95°	278.4	218.1	176.8	142.0	127.2	123.3	115.5
97.5°	473.6	414.7	357.3	327.0	299.5	285.2	279.0
100°	580.1	529.4	478.4	444.4	409.1	391.0	383.1
102.5°	645.2	621.0	586.4	550.2	525.0	505.3	499.4
105°	682.2	703.8	698.4	682.7	666.5	656.7	650.7
107.5°	649.3	704.8	730.4	738.4	738.3	735.0	731.1
110°	612.0	681.2	723.0	745.0	754.4	757.9	757.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	575.1	645.1	694.3	726.6	742.6	751.1	754.7
115°	522.1	589.4	642.9	681.2	704.8	718.5	725.0
117.5°	485.4	543.4	592.5	630.9	655.2	668.8	672.8
120°	464.6	518.7	561.9	598.2	621.8	635.1	638.9
122.5°	449.7	497.8	538.3	570.7	592.3	605.5	609.1
125°	429.7	472.5	507.8	535.4	555.5	566.3	571.2
127.5°	410.7	450.6	483.7	508.6	526.4	536.6	538.8
130°	397.4	435.7	467.5	492.1	508.3	518.1	521.1
132.5°	384.8	419.6	450.3	474.8	491.0	500.1	503.4
135°	365.4	396.8	424.8	446.4	462.6	471.5	474.4
137.5°	348.1	374.3	398.0	417.3	432.1	440.2	443.5
140°	337.9	360.5	381.2	399.3	412.1	419.4	421.9
142.5°	329.2	348.7	366.6	382.0	392.8	399.8	401.8
145°	318.2	333.5	346.7	358.5	366.9	372.3	374.3
147.5°	309.1	320.8	330.8	340.2	346.8	350.0	350.9
150°	304.0	313.3	322.2	329.6	335.4	337.4	337.9
152.5°	298.9	307.5	314.4	320.6	325.2	327.2	327.7
155°	291.3	298.1	303.5	308.4	311.9	313.3	313.8
157.5°	284.0	289.3	293.5	297.3	300.1	301.5	301.4
160°	278.4	283.4	286.8	290.2	292.7	293.7	293.2
162.5°	273.8	277.8	280.9	283.6	285.7	285.9	285.8
165°	266.7	269.7	272.1	274.1	275.0	275.0	275.0
167.5°	259.8	262.1	263.8	264.8	265.7	265.3	265.2
170°	255.9	257.4	258.3	259.3	259.8	259.8	259.3
172.5°	252.4	253.4	254.0	254.3	255.1	254.3	253.8
175°	247.0	248.1	248.1	248.1	248.5	247.5	247.0
177.5°	244.8	244.8	244.8	244.4	244.8	243.6	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6

(END OF REPORT)