

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: P333504-935

Luminaire Tested: **S125RDIP-S375D810U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333504-935  
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-S375D810U935-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3761.5 lumens  
Efficiency: N/A  
Efficacy: 120.6 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: Semi-Indirect

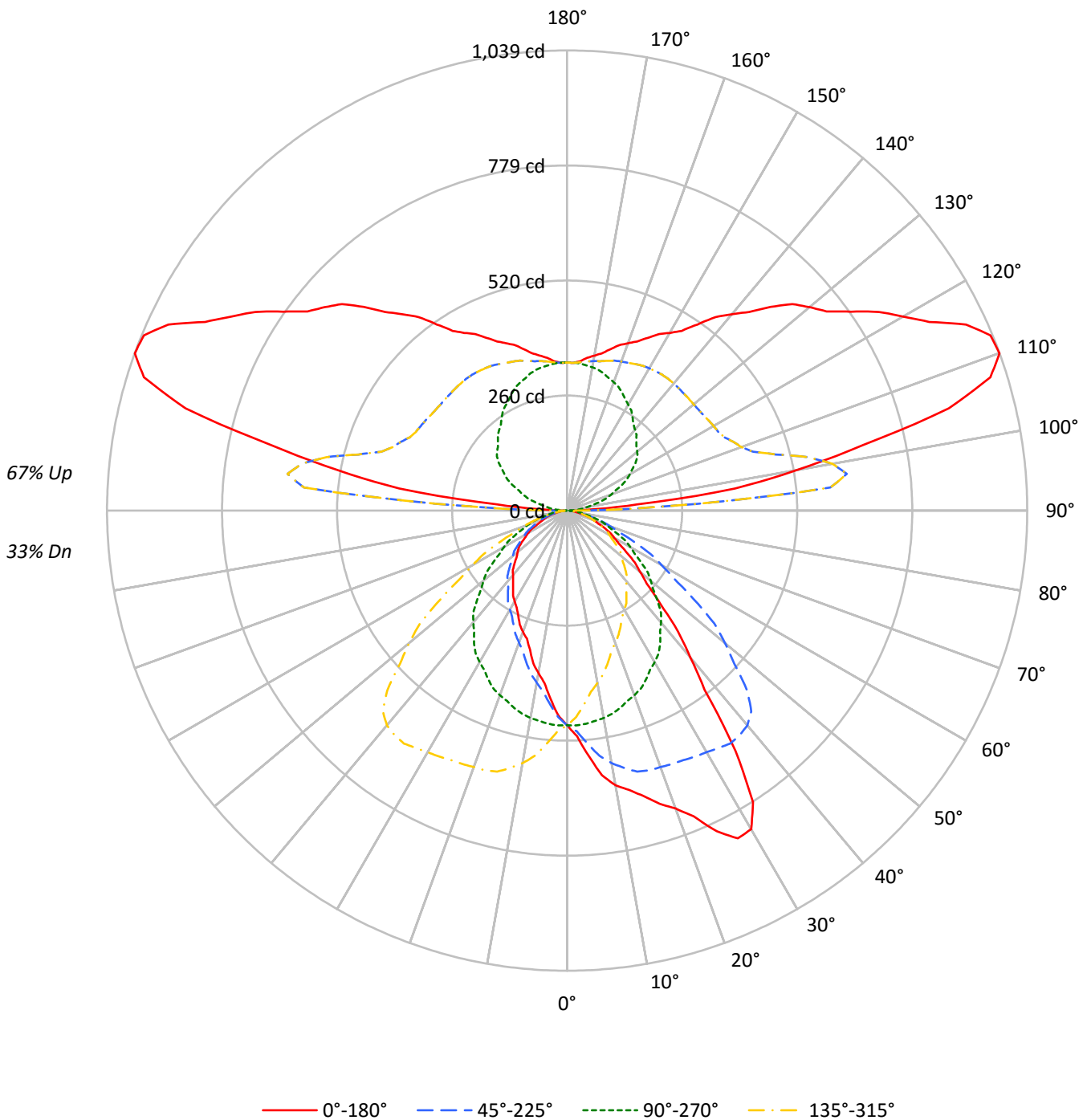
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	37	36	35
2	86	79	73	68	77	72	67	62	57	54	51	44	42	40	32	31	30
3	79	70	63	57	71	63	57	52	51	47	43	40	37	34	29	27	26
4	72	62	54	48	65	56	50	45	45	41	37	35	32	29	26	24	22
5	66	55	47	41	59	50	43	38	40	36	32	32	28	26	23	21	20
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	19	17	15
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	15	14
9	48	37	29	25	44	33	27	23	27	23	19	22	18	16	16	14	12
10	45	33	26	22	41	31	24	20	25	21	17	20	17	14	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	1.2
10°-20°	136.2	3.6
20°-30°	215.9	5.7
30°-40°	260.4	6.9
40°-50°	232.6	6.2
50°-60°	178.3	4.7
60°-70°	115.9	3.1
70°-80°	56.3	1.5
80°-90°	15.3	0.4
90°-100°	242.0	6.4
100°-110°	520.3	13.8
110°-120°	488.3	13.0
120°-130°	395.7	10.5
130°-140°	317.6	8.4
140°-150°	239.7	6.4
150°-160°	168.7	4.5
160°-170°	99.4	2.6
170°-180°	32.3	0.9
0°-30°	398.6	10.6
0°-40°	659.0	17.5
0°-60°	1069.9	28.4
0°-90°	1257.5	33.4
90°-120°	1250.6	33.2
90°-150°	2203.6	58.6
90°-180°	2504.0	66.6
0°-180°	3761.5	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°	16	1	16	1	16	11
95°	158	22	158	22	158	224
105°	892	76	892	76	892	887
115°	994	136	994	136	994	971
125°	783	188	783	188	783	708
135°	650	221	650	221	650	504
145°	513	257	513	257	513	326
155°	430	294	430	294	430	201
165°	377	320	377	320	377	108
175°	339	333	339	333	339	33
180°	334	334	334	334	334	



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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°	6.6	6.5	6.1	6.1	6.3	6.4	6.0	5.8	5.6	5.5	5.4
90°	15.5	15.5	14.8	14.8	14.8	13.4	12.8	12.1	11.5	10.8	9.4
92.5°	43.0	44.0	44.9	46.6	55.2	65.2	86.6	119.3	175.7	217.1	220.5
95°	158.2	169.0	174.4	194.6	242.4	298.9	381.7	484.1	583.7	596.5	486.7
97.5°	382.4	391.0	410.5	448.2	489.8	568.4	649.1	720.9	738.5	637.0	434.6
100°	525.1	535.9	560.8	609.2	655.7	725.7	795.0	828.0	776.2	608.0	387.8
102.5°	684.5	692.6	719.6	754.1	803.8	851.2	884.5	864.1	753.6	556.7	352.2
105°	892.0	900.1	913.5	935.7	957.3	964.8	935.1	842.8	681.3	488.1	317.8
107.5°	1002.1	1007.5	1011.9	1012.1	1001.2	966.0	890.0	766.9	607.5	440.8	303.2
110°	1038.8	1038.8	1034.1	1021.2	990.9	933.8	838.8	710.9	565.5	418.7	298.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1034.5	1029.6	1017.9	995.9	951.7	884.2	788.2	666.8	534.3	405.8	298.9
115°	993.7	984.9	966.0	933.8	881.2	807.9	715.7	611.3	500.2	391.8	300.9
117.5°	922.1	916.8	898.0	864.7	812.2	744.9	665.4	575.5	479.8	385.0	305.4
120°	875.8	870.5	852.3	819.9	770.2	710.9	636.9	556.0	468.6	381.7	309.7
122.5°	834.9	830.1	811.9	782.3	737.9	682.3	616.4	541.6	458.8	379.0	313.4
125°	782.9	776.2	761.4	733.8	696.1	647.6	589.1	520.4	445.7	375.7	319.8
127.5°	738.5	735.6	721.5	697.2	663.0	617.6	562.9	498.9	433.5	374.0	326.9
130°	714.3	710.2	696.8	674.6	640.9	597.1	544.7	485.3	425.5	373.0	331.2
132.5°	690.0	685.4	673.0	650.8	617.2	575.1	527.4	471.9	419.0	373.0	336.0
135°	650.3	646.3	634.1	611.9	582.3	544.0	500.8	454.4	411.3	373.0	342.7
137.5°	608.0	603.5	592.3	572.1	545.5	513.0	477.2	439.6	404.5	373.8	348.7
140°	578.2	574.9	564.8	547.3	522.4	494.1	463.1	431.5	401.2	374.3	351.4
142.5°	550.8	548.0	538.5	523.7	502.5	477.9	451.3	424.6	398.6	374.9	353.0
145°	513.0	510.3	502.9	491.5	475.3	457.1	436.3	415.3	394.5	374.3	354.8
147.5°	481.0	479.7	475.4	466.2	453.5	439.7	423.7	406.7	390.3	372.6	355.4
150°	463.1	462.5	459.8	451.8	441.6	429.5	416.7	401.9	387.1	370.9	355.4
152.5°	449.2	448.5	445.8	439.4	430.8	421.5	409.7	396.5	383.3	368.8	354.9
155°	430.2	429.5	427.5	422.8	416.0	408.6	399.2	388.5	377.0	364.9	353.4
157.5°	413.2	413.4	411.5	407.6	402.3	396.5	389.3	380.4	371.1	360.8	351.7
160°	401.9	402.6	401.2	397.9	393.1	388.5	381.7	375.0	366.3	358.2	350.1
162.5°	391.7	391.8	391.5	388.7	385.0	380.9	375.2	369.0	361.9	354.9	348.4
165°	377.0	377.0	377.0	375.7	373.0	369.6	365.6	360.8	355.4	350.1	346.0
167.5°	363.5	363.7	364.2	363.0	361.6	359.2	356.1	353.0	349.1	345.3	342.2
170°	355.4	356.1	356.1	355.4	354.1	352.8	350.8	348.7	345.3	342.7	340.6
172.5°	347.9	348.6	349.7	348.4	348.2	347.4	345.9	343.9	341.6	339.4	338.5
175°	338.6	339.3	340.6	340.0	340.0	340.0	338.6	338.6	336.6	336.0	336.0
177.5°	333.9	333.9	335.5	335.0	335.5	335.5	335.5	335.0	334.4	333.9	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



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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°	5.4	5.2	5.2	4.9	4.5	5.0	5.2	5.3	5.1	5.0	4.9
90°	8.8	7.4	6.7	5.4	4.0	2.7	1.4	0.7	1.4	2.7	4.0
92.5°	153.6	92.0	55.2	35.6	23.9	15.6	10.0	8.2	10.0	15.6	23.9
95°	300.9	152.8	80.8	50.5	35.6	28.2	22.9	22.2	22.9	28.2	35.6
97.5°	240.2	131.6	84.0	62.2	48.9	41.5	37.7	36.9	37.7	41.5	48.9
100°	218.1	130.6	91.5	71.4	58.5	51.1	48.5	47.1	48.5	51.1	58.5
102.5°	209.0	135.4	100.7	81.0	69.3	61.4	59.2	58.5	59.2	61.4	69.3
105°	205.3	145.4	115.8	96.9	86.2	79.5	76.1	76.1	76.1	79.5	86.2
107.5°	211.5	160.2	131.6	114.6	103.4	97.9	94.6	93.3	94.6	97.9	103.4
110°	217.5	171.0	143.4	125.9	115.8	109.7	107.0	105.7	107.0	109.7	115.8





TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	225.0	181.2	154.7	137.8	127.6	121.6	119.4	118.0	119.4	121.6	127.6
115°	236.3	197.3	172.4	155.5	145.4	139.4	137.3	136.0	137.3	139.4	145.4
117.5°	249.3	213.7	190.1	173.8	162.4	156.4	154.2	152.1	154.2	156.4	162.4
120°	257.9	225.5	202.0	185.1	173.7	167.6	165.0	162.9	165.0	167.6	173.7
122.5°	267.5	236.9	213.3	196.5	183.9	177.9	175.7	174.3	175.7	177.9	183.9
125°	280.7	251.8	229.5	212.1	199.2	193.2	189.9	188.5	189.9	193.2	199.2
127.5°	292.8	266.2	244.8	227.3	213.7	206.0	201.7	199.7	201.7	206.0	213.7
130°	300.9	275.3	254.5	236.9	222.8	214.0	208.7	206.6	208.7	214.0	222.8
132.5°	307.9	284.0	263.1	245.6	230.9	221.1	214.6	212.1	214.6	221.1	230.9
135°	317.8	295.6	274.7	256.5	242.4	231.6	223.5	220.8	223.5	231.6	242.4
137.5°	325.0	303.8	284.7	266.0	252.2	241.4	233.8	231.9	233.8	241.4	252.2
140°	329.8	309.7	290.2	272.0	259.2	248.4	240.3	238.3	240.3	248.4	259.2
142.5°	332.6	313.4	295.0	277.9	265.6	254.9	247.4	245.8	247.4	254.9	265.6
145°	336.6	319.8	302.3	286.8	274.7	265.3	258.5	257.2	258.5	265.3	274.7
147.5°	339.1	323.8	308.5	294.9	284.4	275.6	269.8	269.0	269.8	275.6	284.4
150°	340.6	326.5	311.7	300.2	290.8	282.1	277.3	276.0	277.3	282.1	290.8
152.5°	341.7	329.2	315.5	305.1	296.2	288.5	284.4	283.5	284.4	288.5	296.2
155°	342.7	331.9	320.5	311.0	304.3	297.6	293.5	293.5	293.5	297.6	304.3
157.5°	343.4	334.2	324.3	317.2	311.3	305.5	302.3	302.4	302.3	305.5	311.3
160°	343.4	335.3	326.5	320.5	315.0	310.4	307.6	308.3	307.6	310.4	315.0
162.5°	342.8	336.3	328.6	323.6	319.3	315.2	312.5	313.1	312.5	315.2	319.3
165°	342.0	336.6	331.2	327.2	324.5	321.2	319.1	320.5	319.1	321.2	324.5
167.5°	340.4	336.6	332.2	329.6	327.7	325.8	324.6	325.3	324.6	325.8	327.7
170°	339.3	336.6	333.2	331.2	329.8	328.6	327.9	328.6	327.9	328.6	329.8
172.5°	338.2	336.0	333.2	332.3	331.5	330.1	329.5	330.7	329.5	330.1	331.5
175°	336.6	335.3	333.2	333.2	333.2	332.6	331.9	333.2	331.9	332.6	333.2
177.5°	335.0	334.4	333.4	333.4	333.9	333.4	333.4	334.4	333.4	333.4	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-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°	5.1	5.3	5.3	5.9	5.5	5.9	6.1	6.1	6.2	6.4	6.5
90°	5.4	6.7	7.4	8.8	9.4	10.8	11.5	12.1	12.8	13.4	14.8
92.5°	35.6	55.2	92.0	153.6	220.5	217.1	175.7	119.3	86.6	65.2	55.2
95°	50.5	80.8	152.8	300.9	486.7	596.5	583.7	484.1	381.7	298.9	242.4
97.5°	62.2	84.0	131.6	240.2	434.6	637.0	738.5	720.9	649.1	568.4	489.8
100°	71.4	91.5	130.6	218.1	387.8	608.0	776.2	828.0	795.0	725.7	655.7
102.5°	81.0	100.7	135.4	209.0	352.2	556.7	753.6	864.1	884.5	851.2	803.8
105°	96.9	115.8	145.4	205.3	317.8	488.1	681.3	842.8	935.1	964.8	957.3
107.5°	114.6	131.6	160.2	211.5	303.2	440.8	607.5	766.9	890.0	966.0	1001.2
110°	125.9	143.4	171.0	217.5	298.9	418.7	565.5	710.9	838.8	933.8	990.9



TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	137.8	154.7	181.2	225.0	298.9	405.8	534.3	666.8	788.2	884.2	951.7
115°	155.5	172.4	197.3	236.3	300.9	391.8	500.2	611.3	715.7	807.9	881.2
117.5°	173.8	190.1	213.7	249.3	305.4	385.0	479.8	575.5	665.4	744.9	812.2
120°	185.1	202.0	225.5	257.9	309.7	381.7	468.6	556.0	636.9	710.9	770.2
122.5°	196.5	213.3	236.9	267.5	313.4	379.0	458.8	541.6	616.4	682.3	737.9
125°	212.1	229.5	251.8	280.7	319.8	375.7	445.7	520.4	589.1	647.6	696.1
127.5°	227.3	244.8	266.2	292.8	326.9	374.0	433.5	498.9	562.9	617.6	663.0
130°	236.9	254.5	275.3	300.9	331.2	373.0	425.5	485.3	544.7	597.1	640.9
132.5°	245.6	263.1	284.0	307.9	336.0	373.0	419.0	471.9	527.4	575.1	617.2
135°	256.5	274.7	295.6	317.8	342.7	373.0	411.3	454.4	500.8	544.0	582.3
137.5°	266.0	284.7	303.8	325.0	348.7	373.8	404.5	439.6	477.2	513.0	545.5
140°	272.0	290.2	309.7	329.8	351.4	374.3	401.2	431.5	463.1	494.1	522.4
142.5°	277.9	295.0	313.4	332.6	353.0	374.9	398.6	424.6	451.3	477.9	502.5
145°	286.8	302.3	319.8	336.6	354.8	374.3	394.5	415.3	436.3	457.1	475.3
147.5°	294.9	308.5	323.8	339.1	355.4	372.6	390.3	406.7	423.7	439.7	453.5
150°	300.2	311.7	326.5	340.6	355.4	370.9	387.1	401.9	416.7	429.5	441.6
152.5°	305.1	315.5	329.2	341.7	354.9	368.8	383.3	396.5	409.7	421.5	430.8
155°	311.0	320.5	331.9	342.7	353.4	364.9	377.0	388.5	399.2	408.6	416.0
157.5°	317.2	324.3	334.2	343.4	351.7	360.8	371.1	380.4	389.3	396.5	402.3
160°	320.5	326.5	335.3	343.4	350.1	358.2	366.3	375.0	381.7	388.5	393.1
162.5°	323.6	328.6	336.3	342.8	348.4	354.9	361.9	369.0	375.2	380.9	385.0
165°	327.2	331.2	336.6	342.0	346.0	350.1	355.4	360.8	365.6	369.6	373.0
167.5°	329.6	332.2	336.6	340.4	342.2	345.3	349.1	353.0	356.1	359.2	361.6
170°	331.2	333.2	336.6	339.3	340.6	342.7	345.3	348.7	350.8	352.8	354.1
172.5°	332.3	333.2	336.0	338.2	338.5	339.4	341.6	343.9	345.9	347.4	348.2
175°	333.2	333.2	335.3	336.6	336.0	336.0	336.6	338.6	338.6	340.0	340.0
177.5°	333.4	333.4	334.4	335.0	333.9	333.9	334.4	335.0	335.5	335.5	335.5
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-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°	6.6	6.5	6.6	6.6	6.6	6.5	6.6	6.5	6.4	6.2	6.1
90°	14.8	14.8	15.5	15.5	15.5	14.8	14.8	14.8	13.4	12.8	12.1
92.5°	46.6	44.9	44.0	43.0	44.0	44.9	46.6	55.2	65.2	86.6	119.3
95°	194.6	174.4	169.0	158.2	169.0	174.4	194.6	242.4	298.9	381.7	484.1
97.5°	448.2	410.5	391.0	382.4	391.0	410.5	448.2	489.8	568.4	649.1	720.9
100°	609.2	560.8	535.9	525.1	535.9	560.8	609.2	655.7	725.7	795.0	828.0
102.5°	754.1	719.6	692.6	684.5	692.6	719.6	754.1	803.8	851.2	884.5	864.1
105°	935.7	913.5	900.1	892.0	900.1	913.5	935.7	957.3	964.8	935.1	842.8
107.5°	1012.1	1011.9	1007.5	1002.1	1007.5	1011.9	1012.1	1001.2	966.0	890.0	766.9
110°	1021.2	1034.1	1038.8	1038.8	1038.8	1034.1	1021.2	990.9	933.8	838.8	710.9



TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	995.9	1017.9	1029.6	1034.5	1029.6	1017.9	995.9	951.7	884.2	788.2	666.8
115°	933.8	966.0	984.9	993.7	984.9	966.0	933.8	881.2	807.9	715.7	611.3
117.5°	864.7	898.0	916.8	922.1	916.8	898.0	864.7	812.2	744.9	665.4	575.5
120°	819.9	852.3	870.5	875.8	870.5	852.3	819.9	770.2	710.9	636.9	556.0
122.5°	782.3	811.9	830.1	834.9	830.1	811.9	782.3	737.9	682.3	616.4	541.6
125°	733.8	761.4	776.2	782.9	776.2	761.4	733.8	696.1	647.6	589.1	520.4
127.5°	697.2	721.5	735.6	738.5	735.6	721.5	697.2	663.0	617.6	562.9	498.9
130°	674.6	696.8	710.2	714.3	710.2	696.8	674.6	640.9	597.1	544.7	485.3
132.5°	650.8	673.0	685.4	690.0	685.4	673.0	650.8	617.2	575.1	527.4	471.9
135°	611.9	634.1	646.3	650.3	646.3	634.1	611.9	582.3	544.0	500.8	454.4
137.5°	572.1	592.3	603.5	608.0	603.5	592.3	572.1	545.5	513.0	477.2	439.6
140°	547.3	564.8	574.9	578.2	574.9	564.8	547.3	522.4	494.1	463.1	431.5
142.5°	523.7	538.5	548.0	550.8	548.0	538.5	523.7	502.5	477.9	451.3	424.6
145°	491.5	502.9	510.3	513.0	510.3	502.9	491.5	475.3	457.1	436.3	415.3
147.5°	466.2	475.4	479.7	481.0	479.7	475.4	466.2	453.5	439.7	423.7	406.7
150°	451.8	459.8	462.5	463.1	462.5	459.8	451.8	441.6	429.5	416.7	401.9
152.5°	439.4	445.8	448.5	449.2	448.5	445.8	439.4	430.8	421.5	409.7	396.5
155°	422.8	427.5	429.5	430.2	429.5	427.5	422.8	416.0	408.6	399.2	388.5
157.5°	407.6	411.5	413.4	413.2	413.4	411.5	407.6	402.3	396.5	389.3	380.4
160°	397.9	401.2	402.6	401.9	402.6	401.2	397.9	393.1	388.5	381.7	375.0
162.5°	388.7	391.5	391.8	391.7	391.8	391.5	388.7	385.0	380.9	375.2	369.0
165°	375.7	377.0	377.0	377.0	377.0	377.0	375.7	373.0	369.6	365.6	360.8
167.5°	363.0	364.2	363.7	363.5	363.7	364.2	363.0	361.6	359.2	356.1	353.0
170°	355.4	356.1	356.1	355.4	356.1	356.1	355.4	354.1	352.8	350.8	348.7
172.5°	348.4	349.7	348.6	347.9	348.6	349.7	348.4	348.2	347.4	345.9	343.9
175°	340.0	340.6	339.3	338.6	339.3	340.6	340.0	340.0	340.0	338.6	338.6
177.5°	335.0	335.5	333.9	333.9	333.9	335.5	335.0	335.5	335.5	335.5	335.0
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-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°	6.1	5.9	5.5	5.9	5.3	5.3	5.1	4.9	5.0	5.1	5.3
90°	11.5	10.8	9.4	8.8	7.4	6.7	5.4	4.0	2.7	1.4	0.7
92.5°	175.7	217.1	220.5	153.6	92.0	55.2	35.6	23.9	15.6	10.0	8.2
95°	583.7	596.5	486.7	300.9	152.8	80.8	50.5	35.6	28.2	22.9	22.2
97.5°	738.5	637.0	434.6	240.2	131.6	84.0	62.2	48.9	41.5	37.7	36.9
100°	776.2	608.0	387.8	218.1	130.6	91.5	71.4	58.5	51.1	48.5	47.1
102.5°	753.6	556.7	352.2	209.0	135.4	100.7	81.0	69.3	61.4	59.2	58.5
105°	681.3	488.1	317.8	205.3	145.4	115.8	96.9	86.2	79.5	76.1	76.1
107.5°	607.5	440.8	303.2	211.5	160.2	131.6	114.6	103.4	97.9	94.6	93.3
110°	565.5	418.7	298.9	217.5	171.0	143.4	125.9	115.8	109.7	107.0	105.7



TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	534.3	405.8	298.9	225.0	181.2	154.7	137.8	127.6	121.6	119.4	118.0
115°	500.2	391.8	300.9	236.3	197.3	172.4	155.5	145.4	139.4	137.3	136.0
117.5°	479.8	385.0	305.4	249.3	213.7	190.1	173.8	162.4	156.4	154.2	152.1
120°	468.6	381.7	309.7	257.9	225.5	202.0	185.1	173.7	167.6	165.0	162.9
122.5°	458.8	379.0	313.4	267.5	236.9	213.3	196.5	183.9	177.9	175.7	174.3
125°	445.7	375.7	319.8	280.7	251.8	229.5	212.1	199.2	193.2	189.9	188.5
127.5°	433.5	374.0	326.9	292.8	266.2	244.8	227.3	213.7	206.0	201.7	199.7
130°	425.5	373.0	331.2	300.9	275.3	254.5	236.9	222.8	214.0	208.7	206.6
132.5°	419.0	373.0	336.0	307.9	284.0	263.1	245.6	230.9	221.1	214.6	212.1
135°	411.3	373.0	342.7	317.8	295.6	274.7	256.5	242.4	231.6	223.5	220.8
137.5°	404.5	373.8	348.7	325.0	303.8	284.7	266.0	252.2	241.4	233.8	231.9
140°	401.2	374.3	351.4	329.8	309.7	290.2	272.0	259.2	248.4	240.3	238.3
142.5°	398.6	374.9	353.0	332.6	313.4	295.0	277.9	265.6	254.9	247.4	245.8
145°	394.5	374.3	354.8	336.6	319.8	302.3	286.8	274.7	265.3	258.5	257.2
147.5°	390.3	372.6	355.4	339.1	323.8	308.5	294.9	284.4	275.6	269.8	269.0
150°	387.1	370.9	355.4	340.6	326.5	311.7	300.2	290.8	282.1	277.3	276.0
152.5°	383.3	368.8	354.9	341.7	329.2	315.5	305.1	296.2	288.5	284.4	283.5
155°	377.0	364.9	353.4	342.7	331.9	320.5	311.0	304.3	297.6	293.5	293.5
157.5°	371.1	360.8	351.7	343.4	334.2	324.3	317.2	311.3	305.5	302.3	302.4
160°	366.3	358.2	350.1	343.4	335.3	326.5	320.5	315.0	310.4	307.6	308.3
162.5°	361.9	354.9	348.4	342.8	336.3	328.6	323.6	319.3	315.2	312.5	313.1
165°	355.4	350.1	346.0	342.0	336.6	331.2	327.2	324.5	321.2	319.1	320.5
167.5°	349.1	345.3	342.2	340.4	336.6	332.2	329.6	327.7	325.8	324.6	325.3
170°	345.3	342.7	340.6	339.3	336.6	333.2	331.2	329.8	328.6	327.9	328.6
172.5°	341.6	339.4	338.5	338.2	336.0	333.2	332.3	331.5	330.1	329.5	330.7
175°	336.6	336.0	336.0	336.6	335.3	333.2	333.2	333.2	332.6	331.9	333.2
177.5°	334.4	333.9	333.9	335.0	334.4	333.4	333.4	333.9	333.4	333.4	334.4
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-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	5.0	4.5	4.9	5.2	5.2	5.4	5.4	5.5	5.6	5.8
90°	1.4	2.7	4.0	5.4	6.7	7.4	8.8	9.4	10.8	11.5	12.1
92.5°	10.0	15.6	23.9	35.6	55.2	92.0	153.6	220.5	217.1	175.7	119.3
95°	22.9	28.2	35.6	50.5	80.8	152.8	300.9	486.7	596.5	583.7	484.1
97.5°	37.7	41.5	48.9	62.2	84.0	131.6	240.2	434.6	637.0	738.5	720.9
100°	48.5	51.1	58.5	71.4	91.5	130.6	218.1	387.8	608.0	776.2	828.0
102.5°	59.2	61.4	69.3	81.0	100.7	135.4	209.0	352.2	556.7	753.6	864.1
105°	76.1	79.5	86.2	96.9	115.8	145.4	205.3	317.8	488.1	681.3	842.8
107.5°	94.6	97.9	103.4	114.6	131.6	160.2	211.5	303.2	440.8	607.5	766.9
110°	107.0	109.7	115.8	125.9	143.4	171.0	217.5	298.9	418.7	565.5	710.9





TEST NUMBER: P333504-935

CATALOG NUMBER: S125RDIP-S375D810U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	119.4	121.6	127.6	137.8	154.7	181.2	225.0	298.9	405.8	534.3	666.8
115°	137.3	139.4	145.4	155.5	172.4	197.3	236.3	300.9	391.8	500.2	611.3
117.5°	154.2	156.4	162.4	173.8	190.1	213.7	249.3	305.4	385.0	479.8	575.5
120°	165.0	167.6	173.7	185.1	202.0	225.5	257.9	309.7	381.7	468.6	556.0
122.5°	175.7	177.9	183.9	196.5	213.3	236.9	267.5	313.4	379.0	458.8	541.6
125°	189.9	193.2	199.2	212.1	229.5	251.8	280.7	319.8	375.7	445.7	520.4
127.5°	201.7	206.0	213.7	227.3	244.8	266.2	292.8	326.9	374.0	433.5	498.9
130°	208.7	214.0	222.8	236.9	254.5	275.3	300.9	331.2	373.0	425.5	485.3
132.5°	214.6	221.1	230.9	245.6	263.1	284.0	307.9	336.0	373.0	419.0	471.9
135°	223.5	231.6	242.4	256.5	274.7	295.6	317.8	342.7	373.0	411.3	454.4
137.5°	233.8	241.4	252.2	266.0	284.7	303.8	325.0	348.7	373.8	404.5	439.6
140°	240.3	248.4	259.2	272.0	290.2	309.7	329.8	351.4	374.3	401.2	431.5
142.5°	247.4	254.9	265.6	277.9	295.0	313.4	332.6	353.0	374.9	398.6	424.6
145°	258.5	265.3	274.7	286.8	302.3	319.8	336.6	354.8	374.3	394.5	415.3
147.5°	269.8	275.6	284.4	294.9	308.5	323.8	339.1	355.4	372.6	390.3	406.7
150°	277.3	282.1	290.8	300.2	311.7	326.5	340.6	355.4	370.9	387.1	401.9
152.5°	284.4	288.5	296.2	305.1	315.5	329.2	341.7	354.9	368.8	383.3	396.5
155°	293.5	297.6	304.3	311.0	320.5	331.9	342.7	353.4	364.9	377.0	388.5
157.5°	302.3	305.5	311.3	317.2	324.3	334.2	343.4	351.7	360.8	371.1	380.4
160°	307.6	310.4	315.0	320.5	326.5	335.3	343.4	350.1	358.2	366.3	375.0
162.5°	312.5	315.2	319.3	323.6	328.6	336.3	342.8	348.4	354.9	361.9	369.0
165°	319.1	321.2	324.5	327.2	331.2	336.6	342.0	346.0	350.1	355.4	360.8
167.5°	324.6	325.8	327.7	329.6	332.2	336.6	340.4	342.2	345.3	349.1	353.0
170°	327.9	328.6	329.8	331.2	333.2	336.6	339.3	340.6	342.7	345.3	348.7
172.5°	329.5	330.1	331.5	332.3	333.2	336.0	338.2	338.5	339.4	341.6	343.9
175°	331.9	332.6	333.2	333.2	333.2	335.3	336.6	336.0	336.0	336.6	338.6
177.5°	333.4	333.4	333.9	333.4	333.4	334.4	335.0	333.9	333.9	334.4	335.0
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



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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°	6.0	6.4	6.3	6.1	6.1	6.5	6.6
90°	12.8	13.4	14.8	14.8	14.8	15.5	15.5
92.5°	86.6	65.2	55.2	46.6	44.9	44.0	43.0
95°	381.7	298.9	242.4	194.6	174.4	169.0	158.2
97.5°	649.1	568.4	489.8	448.2	410.5	391.0	382.4
100°	795.0	725.7	655.7	609.2	560.8	535.9	525.1
102.5°	884.5	851.2	803.8	754.1	719.6	692.6	684.5
105°	935.1	964.8	957.3	935.7	913.5	900.1	892.0
107.5°	890.0	966.0	1001.2	1012.1	1011.9	1007.5	1002.1
110°	838.8	933.8	990.9	1021.2	1034.1	1038.8	1038.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	788.2	884.2	951.7	995.9	1017.9	1029.6	1034.5
115°	715.7	807.9	881.2	933.8	966.0	984.9	993.7
117.5°	665.4	744.9	812.2	864.7	898.0	916.8	922.1
120°	636.9	710.9	770.2	819.9	852.3	870.5	875.8
122.5°	616.4	682.3	737.9	782.3	811.9	830.1	834.9
125°	589.1	647.6	696.1	733.8	761.4	776.2	782.9
127.5°	562.9	617.6	663.0	697.2	721.5	735.6	738.5
130°	544.7	597.1	640.9	674.6	696.8	710.2	714.3
132.5°	527.4	575.1	617.2	650.8	673.0	685.4	690.0
135°	500.8	544.0	582.3	611.9	634.1	646.3	650.3
137.5°	477.2	513.0	545.5	572.1	592.3	603.5	608.0
140°	463.1	494.1	522.4	547.3	564.8	574.9	578.2
142.5°	451.3	477.9	502.5	523.7	538.5	548.0	550.8
145°	436.3	457.1	475.3	491.5	502.9	510.3	513.0
147.5°	423.7	439.7	453.5	466.2	475.4	479.7	481.0
150°	416.7	429.5	441.6	451.8	459.8	462.5	463.1
152.5°	409.7	421.5	430.8	439.4	445.8	448.5	449.2
155°	399.2	408.6	416.0	422.8	427.5	429.5	430.2
157.5°	389.3	396.5	402.3	407.6	411.5	413.4	413.2
160°	381.7	388.5	393.1	397.9	401.2	402.6	401.9
162.5°	375.2	380.9	385.0	388.7	391.5	391.8	391.7
165°	365.6	369.6	373.0	375.7	377.0	377.0	377.0
167.5°	356.1	359.2	361.6	363.0	364.2	363.7	363.5
170°	350.8	352.8	354.1	355.4	356.1	356.1	355.4
172.5°	345.9	347.4	348.2	348.4	349.7	348.6	347.9
175°	338.6	340.0	340.0	340.0	340.6	339.3	338.6
177.5°	335.5	335.5	335.5	335.0	335.5	333.9	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9

(END OF REPORT)