

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: P333504-930

Luminaire Tested: **S125RDIP-S375D810U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333504-930  
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-S375D810U930-4F0-1E-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: 3561.9 lumens  
Efficiency: N/A  
Efficacy: 114.2 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

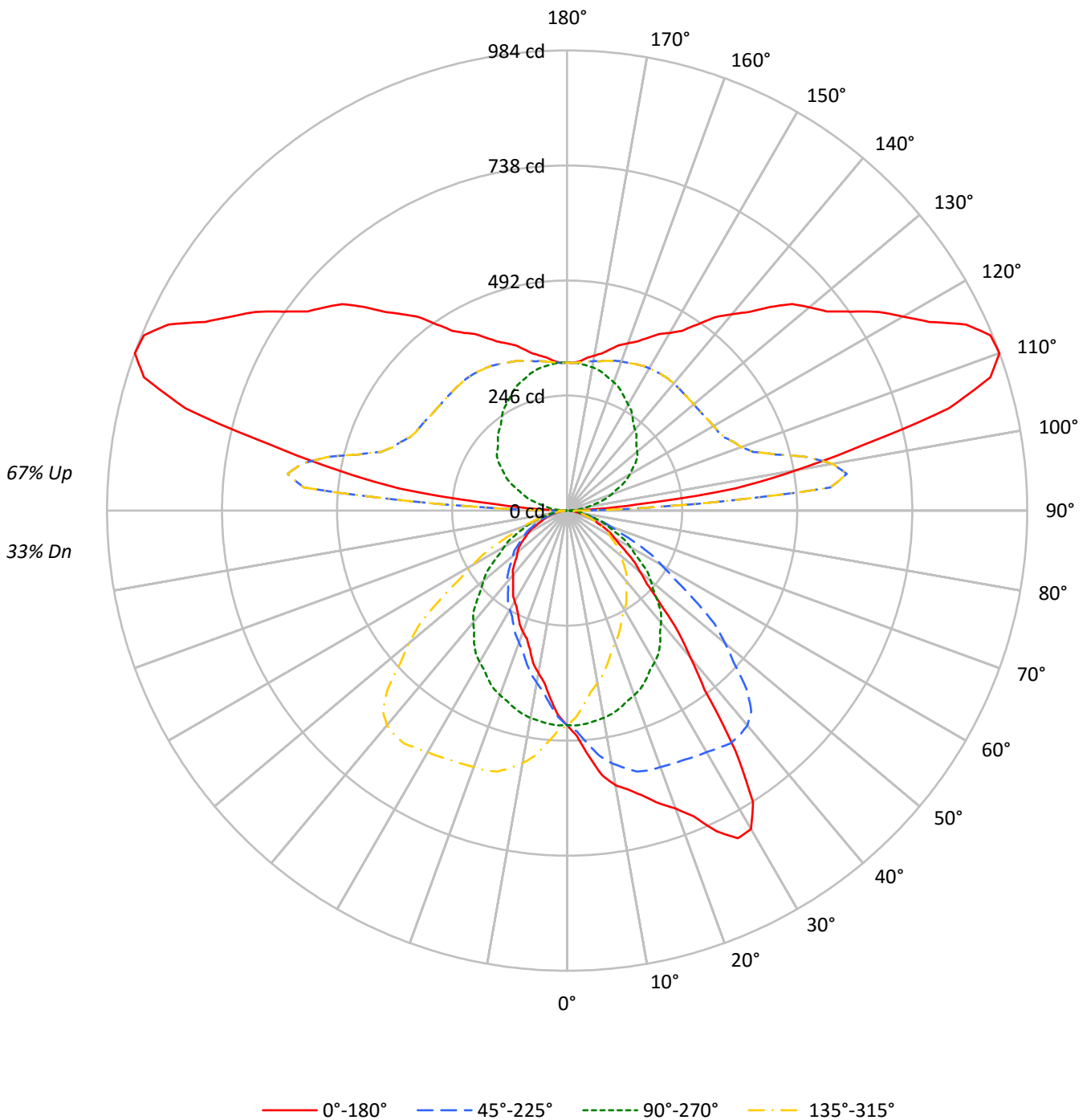
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	37	36	35	29
2	86	79	73	68	77	72	67	62	57	54	51	44	42	40	32	31	30	24
3	79	70	63	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	62	54	48	65	56	50	45	45	41	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	36	32	32	28	26	23	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	19	17	15	13
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	15	14	11
9	48	37	29	25	44	33	27	23	27	23	19	22	18	16	16	14	12	10
10	45	33	26	22	41	31	24	20	25	21	17	20	17	14	15	13	11	9

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

	0°	90°	180°	270°
0°	2964	2964	2964	2964
5°	3409	2968	2621	2968
10°	3912	2952	2313	2952
15°	4225	2923	2055	2923
20°	4658	2887	1898	2887
25°	5392	2840	1762	2840
30°	5867	2791	1672	2791
35°	4949	2734	1589	2734
40°	3456	2632	1518	2632
45°	2564	2493	1449	2493
50°	2045	2349	1390	2349
55°	1735	2170	1337	2170
60°	1498	2010	1252	2010
65°	1336	1837	1076	1837
70°	1175	1682	982	1682
75°	1016	1457	921	1457
80°	770	1224	770	1224
85°	637	963	726	963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.0	1.2
10°-20°	129.0	3.6
20°-30°	204.5	5.7
30°-40°	246.6	6.9
40°-50°	220.2	6.2
50°-60°	168.9	4.7
60°-70°	109.7	3.1
70°-80°	53.3	1.5
80°-90°	14.5	0.4
90°-100°	229.2	6.4
100°-110°	492.7	13.8
110°-120°	462.4	13.0
120°-130°	374.7	10.5
130°-140°	300.7	8.4
140°-150°	226.9	6.4
150°-160°	159.7	4.5
160°-170°	94.2	2.6
170°-180°	30.6	0.9
0°-30°	377.5	10.6
0°-40°	624.0	17.5
0°-60°	1013.1	28.4
0°-90°	1190.7	33.4
90°-120°	1184.3	33.2
90°-150°	2086.6	58.6
90°-180°	2371.0	66.6
0°-180°	3561.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	459	459	459	459	459	
5°	526	458	404	458	526	53
15°	632	437	307	437	632	181
25°	757	399	247	399	757	347
35°	628	347	202	347	628	379
45°	281	273	159	273	281	224
55°	154	193	119	193	154	140
65°	87	120	70	120	87	87
75°	41	58	37	58	41	43
85°	9	13	10	13	9	10
90°	15	1	15	1	15	10
95°	150	21	150	21	150	212
105°	845	72	845	72	845	840
115°	941	129	941	129	941	919
125°	741	178	741	178	741	671
135°	616	209	616	209	616	477
145°	486	244	486	244	486	309
155°	407	278	407	278	407	190
165°	357	304	357	304	357	102
175°	321	316	321	316	321	31
180°	316	316	316	316	316	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	482.7	482.4	483.1	481.4	481.5	479.0	479.0	477.0	474.4	472.5	471.6
5°	525.9	526.4	525.6	522.8	520.9	518.0	514.9	509.2	504.5	499.9	496.4
7.5°	570.5	570.8	568.3	567.4	562.6	559.2	552.1	544.4	537.6	528.9	522.3
10°	596.5	596.2	593.6	591.5	587.4	582.1	575.1	566.1	557.7	548.2	539.2
12.5°	611.5	611.0	610.2	607.6	603.8	599.2	593.2	584.3	573.9	563.6	553.0
15°	631.9	630.6	628.1	624.8	619.4	613.9	607.4	599.5	589.5	577.8	568.0
17.5°	657.0	657.0	653.3	648.8	641.4	631.8	621.6	608.9	595.3	582.4	572.0
20°	677.8	677.3	673.5	664.8	656.3	644.2	632.6	616.9	600.4	583.6	570.6
22.5°	707.7	706.2	702.3	690.9	677.8	662.2	644.3	625.3	605.2	586.2	569.1
25°	756.6	755.5	747.7	734.5	716.1	692.1	668.8	642.6	613.8	588.7	568.0
27.5°	790.0	788.8	783.0	772.1	755.0	729.9	698.3	663.2	627.3	592.8	563.0
30°	786.7	789.5	788.8	783.7	770.9	748.3	719.1	679.7	636.9	596.5	560.8
32.5°	739.4	741.9	748.5	758.6	759.3	750.2	728.4	692.0	647.8	601.7	559.1
35°	627.7	631.1	643.9	664.1	690.5	712.5	717.0	697.4	657.6	608.1	556.7
37.5°	482.6	501.1	511.9	533.1	573.0	613.5	652.5	666.8	650.0	605.4	552.7
40°	409.9	414.4	433.7	457.6	491.1	533.3	588.9	629.0	630.3	599.5	546.3
42.5°	350.8	356.6	369.7	388.9	417.6	459.7	517.1	570.1	594.6	582.9	538.0
45°	280.7	285.0	294.6	309.3	331.3	366.2	415.6	476.8	525.4	544.5	515.8
47.5°	230.6	232.9	241.2	252.5	268.8	294.2	332.4	385.6	443.8	484.7	480.7
50°	203.5	206.1	212.5	220.9	234.7	256.2	286.7	331.0	391.1	441.0	451.0
52.5°	182.4	184.6	188.6	196.6	207.9	224.4	249.1	289.1	343.2	396.2	419.4
55°	154.1	155.6	158.8	163.3	172.4	184.3	205.5	233.3	277.0	330.4	364.4
57.5°	130.9	131.6	133.6	137.8	144.1	152.7	168.1	191.5	222.9	271.1	308.5
60°	116.0	116.8	119.4	122.3	127.2	135.1	147.2	163.5	193.6	233.4	271.3
62.5°	104.3	104.8	105.9	108.7	113.0	119.1	128.6	141.9	165.9	200.9	236.6
65°	87.4	87.6	88.0	90.3	92.9	97.4	103.6	113.0	131.1	157.5	189.1
67.5°	71.2	71.5	72.8	73.6	76.3	78.7	82.3	89.5	102.3	120.1	144.7
70°	62.2	62.0	63.3	64.2	65.1	68.0	70.4	76.3	84.2	97.8	118.3
72.5°	53.7	53.2	53.8	54.1	55.4	57.3	59.8	63.3	69.5	78.8	94.5
75°	40.7	40.8	40.8	41.3	42.2	43.0	43.7	45.6	49.0	55.2	63.7
77.5°	28.5	28.3	29.0	29.2	29.8	30.6	31.2	32.0	33.3	35.9	40.3
80°	20.7	20.7	20.9	21.4	21.3	21.7	22.6	23.4	25.0	26.6	28.0
82.5°	15.9	15.7	15.9	16.1	16.0	16.4	16.7	16.9	17.5	18.3	19.3
85°	8.6	8.6	8.9	8.9	9.0	9.0	9.2	9.2	9.2	9.5	9.6
87.5°	6.3	6.1	5.8	5.8	6.0	6.0	5.7	5.5	5.3	5.2	5.1
90°	14.7	14.7	14.0	14.0	14.0	12.7	12.1	11.5	10.8	10.2	8.9
92.5°	40.7	41.7	42.6	44.1	52.3	61.7	82.0	113.0	166.4	205.5	208.8
95°	149.8	160.0	165.1	184.3	229.5	283.1	361.4	458.4	552.7	564.8	460.9
97.5°	362.1	370.2	388.7	424.4	463.8	538.3	614.7	682.7	699.3	603.2	411.6
100°	497.3	507.4	531.0	576.9	620.9	687.2	752.8	784.1	735.0	575.7	367.2
102.5°	648.2	655.8	681.4	714.1	761.2	806.0	837.6	818.2	713.6	527.2	333.5
105°	844.7	852.3	865.0	886.1	906.5	913.5	885.5	798.1	645.1	462.2	300.9
107.5°	948.9	954.1	958.2	958.4	948.0	914.8	842.8	726.2	575.3	417.4	287.1
110°	983.7	983.7	979.2	967.0	938.3	884.2	794.3	673.2	535.5	396.5	283.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	979.6	974.9	963.8	943.1	901.2	837.2	746.3	631.4	505.9	384.3	283.1
115°	940.9	932.6	914.8	884.2	834.5	765.0	677.7	578.9	473.6	371.0	284.9
117.5°	873.2	868.1	850.4	818.8	769.1	705.3	630.1	544.9	454.4	364.5	289.2
120°	829.3	824.3	807.1	776.4	729.3	673.2	603.1	526.5	443.7	361.4	293.3
122.5°	790.6	786.0	768.8	740.8	698.7	646.1	583.7	512.8	434.5	358.9	296.8
125°	741.4	735.0	721.0	694.9	659.2	613.3	557.8	492.8	422.0	355.7	302.8
127.5°	699.3	696.5	683.2	660.1	627.8	584.8	533.0	472.4	410.5	354.2	309.6
130°	676.4	672.5	659.8	638.8	606.9	565.4	515.8	459.6	402.9	353.2	313.6
132.5°	653.4	649.1	637.3	616.3	584.4	544.5	499.4	446.9	396.8	353.2	318.2
135°	615.8	612.0	600.5	579.4	551.4	515.1	474.3	430.3	389.5	353.2	324.5
137.5°	575.7	571.4	560.8	541.8	516.6	485.8	451.8	416.3	383.0	353.9	330.2
140°	547.6	544.4	534.8	518.3	494.6	467.9	438.5	408.6	379.9	354.4	332.7
142.5°	521.5	518.9	509.9	495.9	475.8	452.6	427.4	402.0	377.4	355.0	334.3
145°	485.8	483.2	476.2	465.4	450.0	432.8	413.1	393.3	373.6	354.4	336.0
147.5°	455.4	454.3	450.2	441.5	429.4	416.4	401.2	385.1	369.6	352.8	336.6
150°	438.5	438.0	435.4	427.8	418.2	406.7	394.6	380.6	366.6	351.2	336.6
152.5°	425.3	424.7	422.2	416.0	408.0	399.1	388.0	375.4	363.0	349.2	336.1
155°	407.3	406.7	404.8	400.3	394.0	386.9	378.1	367.9	357.0	345.5	334.7
157.5°	391.3	391.4	389.6	386.0	381.0	375.4	368.6	360.2	351.4	341.7	333.0
160°	380.6	381.2	379.9	376.7	372.3	367.9	361.4	355.1	346.8	339.2	331.5
162.5°	370.9	371.0	370.7	368.1	364.6	360.7	355.3	349.4	342.7	336.1	330.0
165°	357.0	357.0	357.0	355.7	353.2	350.0	346.2	341.7	336.6	331.5	327.7
167.5°	344.2	344.4	344.9	343.7	342.4	340.1	337.2	334.3	330.6	327.0	324.1
170°	336.6	337.2	337.2	336.6	335.3	334.0	332.2	330.2	327.0	324.5	322.5
172.5°	329.5	330.1	331.1	330.0	329.7	329.0	327.5	325.6	323.4	321.4	320.5
175°	320.7	321.3	322.5	322.0	322.0	322.0	320.7	320.7	318.7	318.1	318.1
177.5°	316.2	316.2	317.7	317.2	317.7	317.7	317.7	317.2	316.7	316.2	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	471.6	470.5	468.6	466.8	464.5	462.5	461.1	459.5	457.4	454.9	452.7
5°	492.4	488.3	482.8	478.1	472.1	467.4	462.5	457.8	453.1	447.0	441.7
7.5°	515.6	507.0	498.7	488.2	478.7	470.3	462.1	453.9	445.8	437.2	429.0
10°	529.8	519.3	507.9	494.7	482.7	471.2	460.6	450.2	439.3	429.7	419.4
12.5°	543.0	529.6	516.5	499.9	485.3	471.3	457.9	445.0	433.3	420.9	409.7
15°	555.0	541.8	527.1	506.8	486.6	469.6	453.8	437.1	422.6	408.6	396.2
17.5°	559.6	545.8	528.7	509.2	487.1	465.8	445.4	427.1	409.9	393.7	379.8
20°	557.8	544.5	526.9	508.3	484.7	462.5	440.4	420.1	401.0	383.9	369.1
22.5°	553.4	539.6	522.7	503.0	480.6	457.1	433.5	411.8	391.9	374.1	357.9
25°	546.9	528.1	510.7	491.5	470.2	446.9	422.6	398.6	377.3	359.2	341.5
27.5°	540.1	516.6	494.5	475.4	452.9	432.1	408.6	384.1	361.7	343.3	325.1
30°	533.9	507.5	483.2	461.5	440.3	420.4	398.3	374.3	351.3	332.3	313.9
32.5°	526.2	498.1	471.5	446.5	425.9	406.3	386.2	363.3	341.0	321.3	302.6
35°	516.6	480.8	451.8	425.2	402.4	383.4	365.3	346.8	324.4	304.0	285.8
37.5°	503.9	463.3	429.7	400.8	376.7	357.7	343.3	326.4	306.0	286.6	269.6
40°	496.2	450.6	413.9	385.2	360.0	339.8	326.4	312.2	293.5	275.2	258.3
42.5°	486.0	439.0	397.9	368.1	342.7	323.3	309.7	297.3	281.6	264.4	246.2
45°	465.9	416.5	373.4	341.4	315.8	296.7	284.1	273.0	261.1	245.2	229.4
47.5°	439.8	393.1	347.9	312.9	287.9	270.2	258.0	249.2	240.7	227.2	211.9
50°	418.8	373.7	329.7	295.8	269.0	252.3	240.8	233.8	226.1	213.9	201.0
52.5°	394.0	353.8	310.7	276.1	250.8	235.1	224.0	217.0	210.7	200.7	188.5
55°	355.1	319.8	280.3	248.8	225.7	209.9	199.3	192.7	189.0	180.5	170.9
57.5°	310.1	284.9	250.1	219.7	199.2	183.6	175.9	170.2	166.0	160.0	153.2
60°	278.8	261.1	229.8	201.0	182.1	167.3	160.3	155.6	151.6	146.6	141.3
62.5°	247.0	234.2	206.9	182.1	164.9	152.4	145.9	141.6	137.1	133.6	128.5
65°	204.4	192.9	174.1	154.7	138.7	128.7	123.9	120.2	117.4	113.6	110.0
67.5°	159.0	154.3	141.3	127.9	116.4	107.5	103.5	100.9	97.5	95.2	92.8
70°	131.1	128.8	119.6	110.8	100.0	94.0	90.3	89.1	85.0	82.7	81.0
72.5°	106.4	105.3	100.0	93.9	86.3	81.0	77.6	76.3	73.6	71.8	70.8
75°	72.9	73.3	72.3	68.4	65.6	62.2	59.2	58.4	56.5	55.0	54.1
77.5°	46.1	48.0	48.1	47.9	46.8	44.8	43.5	42.9	41.1	40.5	40.3
80°	31.6	33.8	35.6	35.4	35.1	34.5	33.5	32.9	32.0	31.5	31.1
82.5°	21.1	23.0	24.6	25.6	25.5	24.9	24.4	24.1	23.9	23.5	23.4
85°	9.9	10.4	10.9	12.2	13.2	13.4	13.2	13.0	12.5	12.6	12.8
87.5°	5.1	4.9	4.9	4.6	4.2	4.7	4.9	5.0	4.8	4.7	4.6
90°	8.3	7.0	6.4	5.1	3.8	2.5	1.3	0.7	1.3	2.5	3.8
92.5°	145.4	87.1	52.3	33.7	22.7	14.8	9.5	7.7	9.5	14.8	22.7
95°	284.9	144.7	76.5	47.8	33.8	26.7	21.7	21.0	21.7	26.7	33.8
97.5°	227.5	124.7	79.6	58.9	46.3	39.3	35.7	34.9	35.7	39.3	46.3
100°	206.5	123.7	86.7	67.6	55.4	48.4	45.9	44.6	45.9	48.4	55.4
102.5°	197.9	128.2	95.4	76.7	65.6	58.1	56.1	55.4	56.1	58.1	65.6
105°	194.4	137.7	109.7	91.8	81.6	75.3	72.1	72.1	72.1	75.3	81.6
107.5°	200.3	151.7	124.6	108.5	97.9	92.7	89.6	88.4	89.6	92.7	97.9
110°	205.9	161.9	135.7	119.2	109.7	103.9	101.3	100.1	101.3	103.9	109.7





TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	213.0	171.6	146.5	130.4	120.8	115.1	113.1	111.8	113.1	115.1	120.8
115°	223.7	186.8	163.2	147.2	137.7	132.0	130.0	128.7	130.0	132.0	137.7
117.5°	236.0	202.4	180.0	164.6	153.8	148.1	146.0	144.1	146.0	148.1	153.8
120°	244.2	213.5	191.3	175.3	164.4	158.7	156.2	154.3	156.2	158.7	164.4
122.5°	253.3	224.3	201.9	186.1	174.1	168.4	166.4	165.0	166.4	168.4	174.1
125°	265.8	238.4	217.4	200.8	188.7	183.0	179.8	178.5	179.8	183.0	188.7
127.5°	277.3	252.1	231.8	215.2	202.4	195.1	191.0	189.1	191.0	195.1	202.4
130°	284.9	260.7	241.0	224.4	211.0	202.7	197.6	195.7	197.6	202.7	211.0
132.5°	291.6	268.9	249.2	232.5	218.7	209.4	203.3	200.8	203.3	209.4	218.7
135°	300.9	279.9	260.1	242.9	229.5	219.3	211.7	209.1	211.7	219.3	229.5
137.5°	307.8	287.6	269.6	251.9	238.8	228.6	221.4	219.6	221.4	228.6	238.8
140°	312.3	293.3	274.8	257.6	245.4	235.2	227.6	225.7	227.6	235.2	245.4
142.5°	315.0	296.8	279.3	263.2	251.5	241.3	234.2	232.8	234.2	241.3	251.5
145°	318.7	302.8	286.3	271.6	260.1	251.2	244.8	243.5	244.8	251.2	260.1
147.5°	321.1	306.6	292.1	279.2	269.3	261.0	255.5	254.7	255.5	261.0	269.3
150°	322.5	309.2	295.1	284.3	275.4	267.1	262.6	261.4	262.6	267.1	275.4
152.5°	323.6	311.7	298.7	288.9	280.5	273.2	269.3	268.5	269.3	273.2	280.5
155°	324.5	314.3	303.5	294.5	288.1	281.8	277.9	277.9	277.9	281.8	288.1
157.5°	325.1	316.4	307.1	300.4	294.7	289.3	286.3	286.3	286.3	289.3	294.7
160°	325.1	317.5	309.2	303.5	298.3	293.9	291.3	292.0	291.3	293.9	298.3
162.5°	324.6	318.5	311.2	306.5	302.4	298.5	296.0	296.5	296.0	298.5	302.4
165°	323.8	318.7	313.6	309.8	307.3	304.1	302.1	303.5	302.1	304.1	307.3
167.5°	322.3	318.7	314.5	312.1	310.3	308.5	307.4	308.0	307.4	308.5	310.3
170°	321.3	318.7	315.5	313.6	312.3	311.1	310.5	311.1	310.5	311.1	312.3
172.5°	320.2	318.2	315.5	314.6	313.9	312.6	312.0	313.2	312.0	312.6	313.9
175°	318.7	317.5	315.5	315.5	315.5	315.0	314.3	315.5	314.3	315.0	315.5
177.5°	317.2	316.7	315.7	315.7	316.2	315.7	315.7	316.7	315.7	315.7	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	451.2	449.1	447.6	444.6	442.5	441.6	439.9	439.4	441.2	439.9	439.8
5°	437.8	432.4	428.0	423.7	419.0	416.0	411.4	410.7	409.5	407.9	407.5
7.5°	421.8	414.6	409.0	401.9	395.7	390.6	385.0	382.3	380.8	378.6	375.7
10°	410.9	402.4	394.8	387.7	380.0	373.7	368.1	363.8	360.9	358.3	357.2
12.5°	400.1	391.5	381.9	373.2	364.6	357.7	351.4	348.5	345.4	342.3	339.7
15°	383.5	372.1	361.5	351.6	344.2	336.6	330.6	326.4	321.8	320.4	315.4
17.5°	365.9	354.7	342.3	331.8	323.3	315.0	308.3	303.6	300.1	295.2	292.9
20°	354.9	341.5	329.5	319.8	310.5	300.7	293.9	289.9	286.6	282.6	280.7
22.5°	343.2	330.1	317.7	306.5	296.9	287.2	282.4	278.3	274.5	270.8	268.3
25°	325.9	312.7	299.7	288.0	278.1	271.1	265.5	260.7	258.7	255.1	252.4
27.5°	308.8	294.8	281.4	269.7	261.9	254.9	250.3	246.6	242.9	239.8	237.4
30°	297.8	283.6	268.8	259.6	251.3	244.8	239.6	236.0	233.3	230.4	228.7
32.5°	286.8	272.1	259.0	249.1	241.2	235.5	230.3	226.8	223.9	220.8	218.7
35°	269.2	254.1	243.6	233.8	226.1	220.8	217.2	212.3	209.9	207.6	205.5
37.5°	252.8	238.8	227.4	218.8	212.1	206.8	202.2	199.6	196.6	194.5	192.8
40°	240.8	228.0	217.6	208.6	203.7	197.8	193.5	190.0	187.8	185.2	183.3
42.5°	229.9	218.0	207.9	199.8	193.7	188.7	184.6	181.2	178.3	176.4	174.9
45°	214.6	202.7	192.9	185.4	179.7	175.0	170.6	169.0	165.2	163.0	162.2
47.5°	198.7	188.1	178.6	171.7	165.9	161.4	157.4	153.9	151.8	149.6	148.4
50°	188.0	177.8	169.0	162.2	156.5	151.6	147.9	145.6	142.8	140.7	139.3
52.5°	177.3	167.9	159.1	152.5	147.7	142.8	138.5	136.3	133.6	132.3	131.3
55°	162.0	152.1	144.5	138.1	133.0	128.5	124.5	122.3	120.6	119.3	118.9
57.5°	144.7	136.8	129.8	124.0	118.7	114.5	111.0	108.8	107.4	107.1	106.0
60°	133.4	126.2	119.8	113.6	109.1	105.1	102.1	99.6	98.2	98.0	97.6
62.5°	122.1	115.2	109.3	103.8	99.7	96.0	93.0	90.3	89.4	88.5	87.6
65°	105.3	99.1	94.2	89.8	85.5	82.3	79.5	77.8	75.7	74.6	72.6
67.5°	88.9	84.1	79.3	75.7	72.2	69.2	66.9	64.3	62.9	62.0	60.6
70°	78.0	74.2	69.5	65.6	62.9	60.5	58.6	55.8	54.8	54.1	53.3
72.5°	67.8	64.4	60.5	57.2	54.6	52.3	50.1	48.8	47.9	47.1	46.7
75°	53.3	50.1	46.7	44.4	42.6	40.7	39.5	38.6	38.2	38.1	37.3
77.5°	39.1	37.4	34.7	32.9	31.7	30.9	29.9	29.4	29.4	28.5	28.3
80°	29.9	29.0	26.7	26.0	25.0	24.3	23.7	22.8	21.9	21.4	20.9
82.5°	22.3	21.4	20.4	19.2	18.4	17.9	17.4	17.0	17.2	16.6	16.4
85°	11.9	10.9	10.5	10.4	9.9	10.4	10.2	9.9	9.8	9.6	9.8
87.5°	4.8	5.1	5.1	5.5	5.2	5.6	5.8	5.8	5.9	6.0	6.1
90°	5.1	6.4	7.0	8.3	8.9	10.2	10.8	11.5	12.1	12.7	14.0
92.5°	33.7	52.3	87.1	145.4	208.8	205.5	166.4	113.0	82.0	61.7	52.3
95°	47.8	76.5	144.7	284.9	460.9	564.8	552.7	458.4	361.4	283.1	229.5
97.5°	58.9	79.6	124.7	227.5	411.6	603.2	699.3	682.7	614.7	538.3	463.8
100°	67.6	86.7	123.7	206.5	367.2	575.7	735.0	784.1	752.8	687.2	620.9
102.5°	76.7	95.4	128.2	197.9	333.5	527.2	713.6	818.2	837.6	806.0	761.2
105°	91.8	109.7	137.7	194.4	300.9	462.2	645.1	798.1	885.5	913.5	906.5
107.5°	108.5	124.6	151.7	200.3	287.1	417.4	575.3	726.2	842.8	914.8	948.0
110°	119.2	135.7	161.9	205.9	283.1	396.5	535.5	673.2	794.3	884.2	938.3



TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	130.4	146.5	171.6	213.0	283.1	384.3	505.9	631.4	746.3	837.2	901.2
115°	147.2	163.2	186.8	223.7	284.9	371.0	473.6	578.9	677.7	765.0	834.5
117.5°	164.6	180.0	202.4	236.0	289.2	364.5	454.4	544.9	630.1	705.3	769.1
120°	175.3	191.3	213.5	244.2	293.3	361.4	443.7	526.5	603.1	673.2	729.3
122.5°	186.1	201.9	224.3	253.3	296.8	358.9	434.5	512.8	583.7	646.1	698.7
125°	200.8	217.4	238.4	265.8	302.8	355.7	422.0	492.8	557.8	613.3	659.2
127.5°	215.2	231.8	252.1	277.3	309.6	354.2	410.5	472.4	533.0	584.8	627.8
130°	224.4	241.0	260.7	284.9	313.6	353.2	402.9	459.6	515.8	565.4	606.9
132.5°	232.5	249.2	268.9	291.6	318.2	353.2	396.8	446.9	499.4	544.5	584.4
135°	242.9	260.1	279.9	300.9	324.5	353.2	389.5	430.3	474.3	515.1	551.4
137.5°	251.9	269.6	287.6	307.8	330.2	353.9	383.0	416.3	451.8	485.8	516.6
140°	257.6	274.8	293.3	312.3	332.7	354.4	379.9	408.6	438.5	467.9	494.6
142.5°	263.2	279.3	296.8	315.0	334.3	355.0	377.4	402.0	427.4	452.6	475.8
145°	271.6	286.3	302.8	318.7	336.0	354.4	373.6	393.3	413.1	432.8	450.0
147.5°	279.2	292.1	306.6	321.1	336.6	352.8	369.6	385.1	401.2	416.4	429.4
150°	284.3	295.1	309.2	322.5	336.6	351.2	366.6	380.6	394.6	406.7	418.2
152.5°	288.9	298.7	311.7	323.6	336.1	349.2	363.0	375.4	388.0	399.1	408.0
155°	294.5	303.5	314.3	324.5	334.7	345.5	357.0	367.9	378.1	386.9	394.0
157.5°	300.4	307.1	316.4	325.1	333.0	341.7	351.4	360.2	368.6	375.4	381.0
160°	303.5	309.2	317.5	325.1	331.5	339.2	346.8	355.1	361.4	367.9	372.3
162.5°	306.5	311.2	318.5	324.6	330.0	336.1	342.7	349.4	355.3	360.7	364.6
165°	309.8	313.6	318.7	323.8	327.7	331.5	336.6	341.7	346.2	350.0	353.2
167.5°	312.1	314.5	318.7	322.3	324.1	327.0	330.6	334.3	337.2	340.1	342.4
170°	313.6	315.5	318.7	321.3	322.5	324.5	327.0	330.2	332.2	334.0	335.3
172.5°	314.6	315.5	318.2	320.2	320.5	321.4	323.4	325.6	327.5	329.0	329.7
175°	315.5	315.5	317.5	318.7	318.1	318.1	318.7	320.7	320.7	322.0	322.0
177.5°	315.7	315.7	316.7	317.2	316.2	316.2	316.7	317.2	317.7	317.7	317.7
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.6	438.0	437.5	438.1	437.5	438.0	439.6	439.8	439.9	441.2	439.4
5°	405.6	403.7	404.6	404.3	404.6	403.7	405.6	407.5	407.9	409.5	410.7
7.5°	375.7	373.3	370.9	371.6	370.9	373.3	375.7	375.7	378.6	380.8	382.3
10°	354.7	352.9	351.7	352.7	351.7	352.9	354.7	357.2	358.3	360.9	363.8
12.5°	337.1	336.0	335.0	334.6	335.0	336.0	337.1	339.7	342.3	345.4	348.5
15°	313.1	310.9	309.9	307.4	309.9	310.9	313.1	315.4	320.4	321.8	326.4
17.5°	291.0	290.2	287.8	286.7	287.8	290.2	291.0	292.9	295.2	300.1	303.6
20°	277.9	277.1	274.7	276.1	274.7	277.1	277.9	280.7	282.6	286.6	289.9
22.5°	267.0	265.4	264.6	264.2	264.6	265.4	267.0	268.3	270.8	274.5	278.3
25°	251.7	249.2	248.3	247.2	248.3	249.2	251.7	252.4	255.1	258.7	260.7
27.5°	236.4	235.1	233.8	233.5	233.8	235.1	236.4	237.4	239.8	242.9	246.6
30°	226.4	225.1	224.2	224.2	224.2	225.1	226.4	228.7	230.4	233.3	236.0
32.5°	217.5	216.5	215.6	215.4	215.6	216.5	217.5	218.7	220.8	223.9	226.8
35°	204.6	203.1	202.7	201.5	202.7	203.1	204.6	205.5	207.6	209.9	212.3
37.5°	191.1	189.9	189.9	189.7	189.9	189.9	191.1	192.8	194.5	196.6	199.6
40°	182.5	181.6	181.4	180.1	181.4	181.6	182.5	183.3	185.2	187.8	190.0
42.5°	173.3	172.8	172.2	171.6	172.2	172.8	173.3	174.9	176.4	178.3	181.2
45°	160.9	159.6	159.6	158.7	159.6	159.6	160.9	162.2	163.0	165.2	169.0
47.5°	148.0	147.0	147.1	146.1	147.1	147.0	148.0	148.4	149.6	151.8	153.9
50°	139.4	138.8	138.7	138.3	138.7	138.8	139.4	139.3	140.7	142.8	145.6
52.5°	130.9	130.5	131.3	130.4	131.3	130.5	130.9	131.3	132.3	133.6	136.3
55°	119.3	118.7	119.8	118.7	119.8	118.7	119.3	118.9	119.3	120.6	122.3
57.5°	106.0	105.4	106.5	105.9	106.5	105.4	106.0	106.0	107.1	107.4	108.8
60°	97.2	96.0	96.6	96.9	96.6	96.0	97.2	97.6	98.0	98.2	99.6
62.5°	86.8	86.1	86.6	85.7	86.6	86.1	86.8	87.6	88.5	89.4	90.3
65°	72.2	71.6	70.8	70.4	70.8	71.6	72.2	72.6	74.6	75.7	77.8
67.5°	60.7	59.3	59.2	59.5	59.2	59.3	60.7	60.6	62.0	62.9	64.3
70°	52.2	52.2	52.0	52.0	52.0	52.2	52.2	53.3	54.1	54.8	55.8
72.5°	46.3	46.1	45.8	45.7	45.8	46.1	46.3	46.7	47.1	47.9	48.8
75°	37.3	37.5	37.1	36.9	37.1	37.5	37.3	37.3	38.1	38.2	38.6
77.5°	27.6	26.7	27.1	26.7	27.1	26.7	27.6	28.3	28.5	29.4	29.4
80°	20.9	20.7	21.3	20.7	21.3	20.7	20.9	20.9	21.4	21.9	22.8
82.5°	16.6	16.4	16.6	16.2	16.6	16.4	16.6	16.4	16.6	17.2	17.0
85°	9.9	9.8	9.6	9.8	9.6	9.8	9.9	9.8	9.6	9.8	9.9
87.5°	6.3	6.1	6.3	6.3	6.3	6.1	6.3	6.1	6.0	5.9	5.8
90°	14.0	14.0	14.7	14.7	14.7	14.0	14.0	14.0	12.7	12.1	11.5
92.5°	44.1	42.6	41.7	40.7	41.7	42.6	44.1	52.3	61.7	82.0	113.0
95°	184.3	165.1	160.0	149.8	160.0	165.1	184.3	229.5	283.1	361.4	458.4
97.5°	424.4	388.7	370.2	362.1	370.2	388.7	424.4	463.8	538.3	614.7	682.7
100°	576.9	531.0	507.4	497.3	507.4	531.0	576.9	620.9	687.2	752.8	784.1
102.5°	714.1	681.4	655.8	648.2	655.8	681.4	714.1	761.2	806.0	837.6	818.2
105°	886.1	865.0	852.3	844.7	852.3	865.0	886.1	906.5	913.5	885.5	798.1
107.5°	958.4	958.2	954.1	948.9	954.1	958.2	958.4	948.0	914.8	842.8	726.2
110°	967.0	979.2	983.7	983.7	983.7	979.2	967.0	938.3	884.2	794.3	673.2



TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	943.1	963.8	974.9	979.6	974.9	963.8	943.1	901.2	837.2	746.3	631.4
115°	884.2	914.8	932.6	940.9	932.6	914.8	884.2	834.5	765.0	677.7	578.9
117.5°	818.8	850.4	868.1	873.2	868.1	850.4	818.8	769.1	705.3	630.1	544.9
120°	776.4	807.1	824.3	829.3	824.3	807.1	776.4	729.3	673.2	603.1	526.5
122.5°	740.8	768.8	786.0	790.6	786.0	768.8	740.8	698.7	646.1	583.7	512.8
125°	694.9	721.0	735.0	741.4	735.0	721.0	694.9	659.2	613.3	557.8	492.8
127.5°	660.1	683.2	696.5	699.3	696.5	683.2	660.1	627.8	584.8	533.0	472.4
130°	638.8	659.8	672.5	676.4	672.5	659.8	638.8	606.9	565.4	515.8	459.6
132.5°	616.3	637.3	649.1	653.4	649.1	637.3	616.3	584.4	544.5	499.4	446.9
135°	579.4	600.5	612.0	615.8	612.0	600.5	579.4	551.4	515.1	474.3	430.3
137.5°	541.8	560.8	571.4	575.7	571.4	560.8	541.8	516.6	485.8	451.8	416.3
140°	518.3	534.8	544.4	547.6	544.4	534.8	518.3	494.6	467.9	438.5	408.6
142.5°	495.9	509.9	518.9	521.5	518.9	509.9	495.9	475.8	452.6	427.4	402.0
145°	465.4	476.2	483.2	485.8	483.2	476.2	465.4	450.0	432.8	413.1	393.3
147.5°	441.5	450.2	454.3	455.4	454.3	450.2	441.5	429.4	416.4	401.2	385.1
150°	427.8	435.4	438.0	438.5	438.0	435.4	427.8	418.2	406.7	394.6	380.6
152.5°	416.0	422.2	424.7	425.3	424.7	422.2	416.0	408.0	399.1	388.0	375.4
155°	400.3	404.8	406.7	407.3	406.7	404.8	400.3	394.0	386.9	378.1	367.9
157.5°	386.0	389.6	391.4	391.3	391.4	389.6	386.0	381.0	375.4	368.6	360.2
160°	376.7	379.9	381.2	380.6	381.2	379.9	376.7	372.3	367.9	361.4	355.1
162.5°	368.1	370.7	371.0	370.9	371.0	370.7	368.1	364.6	360.7	355.3	349.4
165°	355.7	357.0	357.0	357.0	357.0	357.0	355.7	353.2	350.0	346.2	341.7
167.5°	343.7	344.9	344.4	344.2	344.4	344.9	343.7	342.4	340.1	337.2	334.3
170°	336.6	337.2	337.2	336.6	337.2	337.2	336.6	335.3	334.0	332.2	330.2
172.5°	330.0	331.1	330.1	329.5	330.1	331.1	330.0	329.7	329.0	327.5	325.6
175°	322.0	322.5	321.3	320.7	321.3	322.5	322.0	322.0	322.0	320.7	320.7
177.5°	317.2	317.7	316.2	316.2	316.2	317.7	317.2	317.7	317.7	317.7	317.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.9	441.6	442.5	444.6	447.6	449.1	451.2	452.7	454.9	457.4	459.5
5°	411.4	416.0	419.0	423.7	428.0	432.4	437.8	441.7	447.0	453.1	457.8
7.5°	385.0	390.6	395.7	401.9	409.0	414.6	421.8	429.0	437.2	445.8	453.9
10°	368.1	373.7	380.0	387.7	394.8	402.4	410.9	419.4	429.7	439.3	450.2
12.5°	351.4	357.7	364.6	373.2	381.9	391.5	400.1	409.7	420.9	433.3	445.0
15°	330.6	336.6	344.2	351.6	361.5	372.1	383.5	396.2	408.6	422.6	437.1
17.5°	308.3	315.0	323.3	331.8	342.3	354.7	365.9	379.8	393.7	409.9	427.1
20°	293.9	300.7	310.5	319.8	329.5	341.5	354.9	369.1	383.9	401.0	420.1
22.5°	282.4	287.2	296.9	306.5	317.7	330.1	343.2	357.9	374.1	391.9	411.8
25°	265.5	271.1	278.1	288.0	299.7	312.7	325.9	341.5	359.2	377.3	398.6
27.5°	250.3	254.9	261.9	269.7	281.4	294.8	308.8	325.1	343.3	361.7	384.1
30°	239.6	244.8	251.3	259.6	268.8	283.6	297.8	313.9	332.3	351.3	374.3
32.5°	230.3	235.5	241.2	249.1	259.0	272.1	286.8	302.6	321.3	341.0	363.3
35°	217.2	220.8	226.1	233.8	243.6	254.1	269.2	285.8	304.0	324.4	346.8
37.5°	202.2	206.8	212.1	218.8	227.4	238.8	252.8	269.6	286.6	306.0	326.4
40°	193.5	197.8	203.7	208.6	217.6	228.0	240.8	258.3	275.2	293.5	312.2
42.5°	184.6	188.7	193.7	199.8	207.9	218.0	229.9	246.2	264.4	281.6	297.3
45°	170.6	175.0	179.7	185.4	192.9	202.7	214.6	229.4	245.2	261.1	273.0
47.5°	157.4	161.4	165.9	171.7	178.6	188.1	198.7	211.9	227.2	240.7	249.2
50°	147.9	151.6	156.5	162.2	169.0	177.8	188.0	201.0	213.9	226.1	233.8
52.5°	138.5	142.8	147.7	152.5	159.1	167.9	177.3	188.5	200.7	210.7	217.0
55°	124.5	128.5	133.0	138.1	144.5	152.1	162.0	170.9	180.5	189.0	192.7
57.5°	111.0	114.5	118.7	124.0	129.8	136.8	144.7	153.2	160.0	166.0	170.2
60°	102.1	105.1	109.1	113.6	119.8	126.2	133.4	141.3	146.6	151.6	155.6
62.5°	93.0	96.0	99.7	103.8	109.3	115.2	122.1	128.5	133.6	137.1	141.6
65°	79.5	82.3	85.5	89.8	94.2	99.1	105.3	110.0	113.6	117.4	120.2
67.5°	66.9	69.2	72.2	75.7	79.3	84.1	88.9	92.8	95.2	97.5	100.9
70°	58.6	60.5	62.9	65.6	69.5	74.2	78.0	81.0	82.7	85.0	89.1
72.5°	50.1	52.3	54.6	57.2	60.5	64.4	67.8	70.8	71.8	73.6	76.3
75°	39.5	40.7	42.6	44.4	46.7	50.1	53.3	54.1	55.0	56.5	58.4
77.5°	29.9	30.9	31.7	32.9	34.7	37.4	39.1	40.3	40.5	41.1	42.9
80°	23.7	24.3	25.0	26.0	26.7	29.0	29.9	31.1	31.5	32.0	32.9
82.5°	17.4	17.9	18.4	19.2	20.4	21.4	22.3	23.4	23.5	23.9	24.1
85°	10.2	10.4	9.9	10.4	10.5	10.9	11.9	12.8	12.6	12.5	13.0
87.5°	5.8	5.6	5.2	5.5	5.1	5.1	4.8	4.6	4.7	4.8	5.0
90°	10.8	10.2	8.9	8.3	7.0	6.4	5.1	3.8	2.5	1.3	0.7
92.5°	166.4	205.5	208.8	145.4	87.1	52.3	33.7	22.7	14.8	9.5	7.7
95°	552.7	564.8	460.9	284.9	144.7	76.5	47.8	33.8	26.7	21.7	21.0
97.5°	699.3	603.2	411.6	227.5	124.7	79.6	58.9	46.3	39.3	35.7	34.9
100°	735.0	575.7	367.2	206.5	123.7	86.7	67.6	55.4	48.4	45.9	44.6
102.5°	713.6	527.2	333.5	197.9	128.2	95.4	76.7	65.6	58.1	56.1	55.4
105°	645.1	462.2	300.9	194.4	137.7	109.7	91.8	81.6	75.3	72.1	72.1
107.5°	575.3	417.4	287.1	200.3	151.7	124.6	108.5	97.9	92.7	89.6	88.4
110°	535.5	396.5	283.1	205.9	161.9	135.7	119.2	109.7	103.9	101.3	100.1



TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	505.9	384.3	283.1	213.0	171.6	146.5	130.4	120.8	115.1	113.1	111.8
115°	473.6	371.0	284.9	223.7	186.8	163.2	147.2	137.7	132.0	130.0	128.7
117.5°	454.4	364.5	289.2	236.0	202.4	180.0	164.6	153.8	148.1	146.0	144.1
120°	443.7	361.4	293.3	244.2	213.5	191.3	175.3	164.4	158.7	156.2	154.3
122.5°	434.5	358.9	296.8	253.3	224.3	201.9	186.1	174.1	168.4	166.4	165.0
125°	422.0	355.7	302.8	265.8	238.4	217.4	200.8	188.7	183.0	179.8	178.5
127.5°	410.5	354.2	309.6	277.3	252.1	231.8	215.2	202.4	195.1	191.0	189.1
130°	402.9	353.2	313.6	284.9	260.7	241.0	224.4	211.0	202.7	197.6	195.7
132.5°	396.8	353.2	318.2	291.6	268.9	249.2	232.5	218.7	209.4	203.3	200.8
135°	389.5	353.2	324.5	300.9	279.9	260.1	242.9	229.5	219.3	211.7	209.1
137.5°	383.0	353.9	330.2	307.8	287.6	269.6	251.9	238.8	228.6	221.4	219.6
140°	379.9	354.4	332.7	312.3	293.3	274.8	257.6	245.4	235.2	227.6	225.7
142.5°	377.4	355.0	334.3	315.0	296.8	279.3	263.2	251.5	241.3	234.2	232.8
145°	373.6	354.4	336.0	318.7	302.8	286.3	271.6	260.1	251.2	244.8	243.5
147.5°	369.6	352.8	336.6	321.1	306.6	292.1	279.2	269.3	261.0	255.5	254.7
150°	366.6	351.2	336.6	322.5	309.2	295.1	284.3	275.4	267.1	262.6	261.4
152.5°	363.0	349.2	336.1	323.6	311.7	298.7	288.9	280.5	273.2	269.3	268.5
155°	357.0	345.5	334.7	324.5	314.3	303.5	294.5	288.1	281.8	277.9	277.9
157.5°	351.4	341.7	333.0	325.1	316.4	307.1	300.4	294.7	289.3	286.3	286.3
160°	346.8	339.2	331.5	325.1	317.5	309.2	303.5	298.3	293.9	291.3	292.0
162.5°	342.7	336.1	330.0	324.6	318.5	311.2	306.5	302.4	298.5	296.0	296.5
165°	336.6	331.5	327.7	323.8	318.7	313.6	309.8	307.3	304.1	302.1	303.5
167.5°	330.6	327.0	324.1	322.3	318.7	314.5	312.1	310.3	308.5	307.4	308.0
170°	327.0	324.5	322.5	321.3	318.7	315.5	313.6	312.3	311.1	310.5	311.1
172.5°	323.4	321.4	320.5	320.2	318.2	315.5	314.6	313.9	312.6	312.0	313.2
175°	318.7	318.1	318.1	318.7	317.5	315.5	315.5	315.5	315.0	314.3	315.5
177.5°	316.7	316.2	316.2	317.2	316.7	315.7	315.7	316.2	315.7	315.7	316.7
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	461.1	462.5	464.5	466.8	468.6	470.5	471.6	471.6	472.5	474.4	477.0
5°	462.5	467.4	472.1	478.1	482.8	488.3	492.4	496.4	499.9	504.5	509.2
7.5°	462.1	470.3	478.7	488.2	498.7	507.0	515.6	522.3	528.9	537.6	544.4
10°	460.6	471.2	482.7	494.7	507.9	519.3	529.8	539.2	548.2	557.7	566.1
12.5°	457.9	471.3	485.3	499.9	516.5	529.6	543.0	553.0	563.6	573.9	584.3
15°	453.8	469.6	486.6	506.8	527.1	541.8	555.0	568.0	577.8	589.5	599.5
17.5°	445.4	465.8	487.1	509.2	528.7	545.8	559.6	572.0	582.4	595.3	608.9
20°	440.4	462.5	484.7	508.3	526.9	544.5	557.8	570.6	583.6	600.4	616.9
22.5°	433.5	457.1	480.6	503.0	522.7	539.6	553.4	569.1	586.2	605.2	625.3
25°	422.6	446.9	470.2	491.5	510.7	528.1	546.9	568.0	588.7	613.8	642.6
27.5°	408.6	432.1	452.9	475.4	494.5	516.6	540.1	563.0	592.8	627.3	663.2
30°	398.3	420.4	440.3	461.5	483.2	507.5	533.9	560.8	596.5	636.9	679.7
32.5°	386.2	406.3	425.9	446.5	471.5	498.1	526.2	559.1	601.7	647.8	692.0
35°	365.3	383.4	402.4	425.2	451.8	480.8	516.6	556.7	608.1	657.6	697.4
37.5°	343.3	357.7	376.7	400.8	429.7	463.3	503.9	552.7	605.4	650.0	666.8
40°	326.4	339.8	360.0	385.2	413.9	450.6	496.2	546.3	599.5	630.3	629.0
42.5°	309.7	323.3	342.7	368.1	397.9	439.0	486.0	538.0	582.9	594.6	570.1
45°	284.1	296.7	315.8	341.4	373.4	416.5	465.9	515.8	544.5	525.4	476.8
47.5°	258.0	270.2	287.9	312.9	347.9	393.1	439.8	480.7	484.7	443.8	385.6
50°	240.8	252.3	269.0	295.8	329.7	373.7	418.8	451.0	441.0	391.1	331.0
52.5°	224.0	235.1	250.8	276.1	310.7	353.8	394.0	419.4	396.2	343.2	289.1
55°	199.3	209.9	225.7	248.8	280.3	319.8	355.1	364.4	330.4	277.0	233.3
57.5°	175.9	183.6	199.2	219.7	250.1	284.9	310.1	308.5	271.1	222.9	191.5
60°	160.3	167.3	182.1	201.0	229.8	261.1	278.8	271.3	233.4	193.6	163.5
62.5°	145.9	152.4	164.9	182.1	206.9	234.2	247.0	236.6	200.9	165.9	141.9
65°	123.9	128.7	138.7	154.7	174.1	192.9	204.4	189.1	157.5	131.1	113.0
67.5°	103.5	107.5	116.4	127.9	141.3	154.3	159.0	144.7	120.1	102.3	89.5
70°	90.3	94.0	100.0	110.8	119.6	128.8	131.1	118.3	97.8	84.2	76.3
72.5°	77.6	81.0	86.3	93.9	100.0	105.3	106.4	94.5	78.8	69.5	63.3
75°	59.2	62.2	65.6	68.4	72.3	73.3	72.9	63.7	55.2	49.0	45.6
77.5°	43.5	44.8	46.8	47.9	48.1	48.0	46.1	40.3	35.9	33.3	32.0
80°	33.5	34.5	35.1	35.4	35.6	33.8	31.6	28.0	26.6	25.0	23.4
82.5°	24.4	24.9	25.5	25.6	24.6	23.0	21.1	19.3	18.3	17.5	16.9
85°	13.2	13.4	13.2	12.2	10.9	10.4	9.9	9.6	9.5	9.2	9.2
87.5°	4.9	4.7	4.2	4.6	4.9	4.9	5.1	5.1	5.2	5.3	5.5
90°	1.3	2.5	3.8	5.1	6.4	7.0	8.3	8.9	10.2	10.8	11.5
92.5°	9.5	14.8	22.7	33.7	52.3	87.1	145.4	208.8	205.5	166.4	113.0
95°	21.7	26.7	33.8	47.8	76.5	144.7	284.9	460.9	564.8	552.7	458.4
97.5°	35.7	39.3	46.3	58.9	79.6	124.7	227.5	411.6	603.2	699.3	682.7
100°	45.9	48.4	55.4	67.6	86.7	123.7	206.5	367.2	575.7	735.0	784.1
102.5°	56.1	58.1	65.6	76.7	95.4	128.2	197.9	333.5	527.2	713.6	818.2
105°	72.1	75.3	81.6	91.8	109.7	137.7	194.4	300.9	462.2	645.1	798.1
107.5°	89.6	92.7	97.9	108.5	124.6	151.7	200.3	287.1	417.4	575.3	726.2
110°	101.3	103.9	109.7	119.2	135.7	161.9	205.9	283.1	396.5	535.5	673.2





TEST NUMBER: P333504-930

CATALOG NUMBER: S125RDIP-S375D810U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	113.1	115.1	120.8	130.4	146.5	171.6	213.0	283.1	384.3	505.9	631.4
115°	130.0	132.0	137.7	147.2	163.2	186.8	223.7	284.9	371.0	473.6	578.9
117.5°	146.0	148.1	153.8	164.6	180.0	202.4	236.0	289.2	364.5	454.4	544.9
120°	156.2	158.7	164.4	175.3	191.3	213.5	244.2	293.3	361.4	443.7	526.5
122.5°	166.4	168.4	174.1	186.1	201.9	224.3	253.3	296.8	358.9	434.5	512.8
125°	179.8	183.0	188.7	200.8	217.4	238.4	265.8	302.8	355.7	422.0	492.8
127.5°	191.0	195.1	202.4	215.2	231.8	252.1	277.3	309.6	354.2	410.5	472.4
130°	197.6	202.7	211.0	224.4	241.0	260.7	284.9	313.6	353.2	402.9	459.6
132.5°	203.3	209.4	218.7	232.5	249.2	268.9	291.6	318.2	353.2	396.8	446.9
135°	211.7	219.3	229.5	242.9	260.1	279.9	300.9	324.5	353.2	389.5	430.3
137.5°	221.4	228.6	238.8	251.9	269.6	287.6	307.8	330.2	353.9	383.0	416.3
140°	227.6	235.2	245.4	257.6	274.8	293.3	312.3	332.7	354.4	379.9	408.6
142.5°	234.2	241.3	251.5	263.2	279.3	296.8	315.0	334.3	355.0	377.4	402.0
145°	244.8	251.2	260.1	271.6	286.3	302.8	318.7	336.0	354.4	373.6	393.3
147.5°	255.5	261.0	269.3	279.2	292.1	306.6	321.1	336.6	352.8	369.6	385.1
150°	262.6	267.1	275.4	284.3	295.1	309.2	322.5	336.6	351.2	366.6	380.6
152.5°	269.3	273.2	280.5	288.9	298.7	311.7	323.6	336.1	349.2	363.0	375.4
155°	277.9	281.8	288.1	294.5	303.5	314.3	324.5	334.7	345.5	357.0	367.9
157.5°	286.3	289.3	294.7	300.4	307.1	316.4	325.1	333.0	341.7	351.4	360.2
160°	291.3	293.9	298.3	303.5	309.2	317.5	325.1	331.5	339.2	346.8	355.1
162.5°	296.0	298.5	302.4	306.5	311.2	318.5	324.6	330.0	336.1	342.7	349.4
165°	302.1	304.1	307.3	309.8	313.6	318.7	323.8	327.7	331.5	336.6	341.7
167.5°	307.4	308.5	310.3	312.1	314.5	318.7	322.3	324.1	327.0	330.6	334.3
170°	310.5	311.1	312.3	313.6	315.5	318.7	321.3	322.5	324.5	327.0	330.2
172.5°	312.0	312.6	313.9	314.6	315.5	318.2	320.2	320.5	321.4	323.4	325.6
175°	314.3	315.0	315.5	315.5	315.5	317.5	318.7	318.1	318.1	318.7	320.7
177.5°	315.7	315.7	316.2	315.7	315.7	316.7	317.2	316.2	316.2	316.7	317.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	479.0	479.0	481.5	481.4	483.1	482.4	482.7
5°	514.9	518.0	520.9	522.8	525.6	526.4	525.9
7.5°	552.1	559.2	562.6	567.4	568.3	570.8	570.5
10°	575.1	582.1	587.4	591.5	593.6	596.2	596.5
12.5°	593.2	599.2	603.8	607.6	610.2	611.0	611.5
15°	607.4	613.9	619.4	624.8	628.1	630.6	631.9
17.5°	621.6	631.8	641.4	648.8	653.3	657.0	657.0
20°	632.6	644.2	656.3	664.8	673.5	677.3	677.8
22.5°	644.3	662.2	677.8	690.9	702.3	706.2	707.7
25°	668.8	692.1	716.1	734.5	747.7	755.5	756.6
27.5°	698.3	729.9	755.0	772.1	783.0	788.8	790.0
30°	719.1	748.3	770.9	783.7	788.8	789.5	786.7
32.5°	728.4	750.2	759.3	758.6	748.5	741.9	739.4
35°	717.0	712.5	690.5	664.1	643.9	631.1	627.7
37.5°	652.5	613.5	573.0	533.1	511.9	501.1	482.6
40°	588.9	533.3	491.1	457.6	433.7	414.4	409.9
42.5°	517.1	459.7	417.6	388.9	369.7	356.6	350.8
45°	415.6	366.2	331.3	309.3	294.6	285.0	280.7
47.5°	332.4	294.2	268.8	252.5	241.2	232.9	230.6
50°	286.7	256.2	234.7	220.9	212.5	206.1	203.5
52.5°	249.1	224.4	207.9	196.6	188.6	184.6	182.4
55°	205.5	184.3	172.4	163.3	158.8	155.6	154.1
57.5°	168.1	152.7	144.1	137.8	133.6	131.6	130.9
60°	147.2	135.1	127.2	122.3	119.4	116.8	116.0
62.5°	128.6	119.1	113.0	108.7	105.9	104.8	104.3
65°	103.6	97.4	92.9	90.3	88.0	87.6	87.4
67.5°	82.3	78.7	76.3	73.6	72.8	71.5	71.2
70°	70.4	68.0	65.1	64.2	63.3	62.0	62.2
72.5°	59.8	57.3	55.4	54.1	53.8	53.2	53.7
75°	43.7	43.0	42.2	41.3	40.8	40.8	40.7
77.5°	31.2	30.6	29.8	29.2	29.0	28.3	28.5
80°	22.6	21.7	21.3	21.4	20.9	20.7	20.7
82.5°	16.7	16.4	16.0	16.1	15.9	15.7	15.9
85°	9.2	9.0	9.0	8.9	8.9	8.6	8.6
87.5°	5.7	6.0	6.0	5.8	5.8	6.1	6.3
90°	12.1	12.7	14.0	14.0	14.0	14.7	14.7
92.5°	82.0	61.7	52.3	44.1	42.6	41.7	40.7
95°	361.4	283.1	229.5	184.3	165.1	160.0	149.8
97.5°	614.7	538.3	463.8	424.4	388.7	370.2	362.1
100°	752.8	687.2	620.9	576.9	531.0	507.4	497.3
102.5°	837.6	806.0	761.2	714.1	681.4	655.8	648.2
105°	885.5	913.5	906.5	886.1	865.0	852.3	844.7
107.5°	842.8	914.8	948.0	958.4	958.2	954.1	948.9
110°	794.3	884.2	938.3	967.0	979.2	983.7	983.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	746.3	837.2	901.2	943.1	963.8	974.9	979.6
115°	677.7	765.0	834.5	884.2	914.8	932.6	940.9
117.5°	630.1	705.3	769.1	818.8	850.4	868.1	873.2
120°	603.1	673.2	729.3	776.4	807.1	824.3	829.3
122.5°	583.7	646.1	698.7	740.8	768.8	786.0	790.6
125°	557.8	613.3	659.2	694.9	721.0	735.0	741.4
127.5°	533.0	584.8	627.8	660.1	683.2	696.5	699.3
130°	515.8	565.4	606.9	638.8	659.8	672.5	676.4
132.5°	499.4	544.5	584.4	616.3	637.3	649.1	653.4
135°	474.3	515.1	551.4	579.4	600.5	612.0	615.8
137.5°	451.8	485.8	516.6	541.8	560.8	571.4	575.7
140°	438.5	467.9	494.6	518.3	534.8	544.4	547.6
142.5°	427.4	452.6	475.8	495.9	509.9	518.9	521.5
145°	413.1	432.8	450.0	465.4	476.2	483.2	485.8
147.5°	401.2	416.4	429.4	441.5	450.2	454.3	455.4
150°	394.6	406.7	418.2	427.8	435.4	438.0	438.5
152.5°	388.0	399.1	408.0	416.0	422.2	424.7	425.3
155°	378.1	386.9	394.0	400.3	404.8	406.7	407.3
157.5°	368.6	375.4	381.0	386.0	389.6	391.4	391.3
160°	361.4	367.9	372.3	376.7	379.9	381.2	380.6
162.5°	355.3	360.7	364.6	368.1	370.7	371.0	370.9
165°	346.2	350.0	353.2	355.7	357.0	357.0	357.0
167.5°	337.2	340.1	342.4	343.7	344.9	344.4	344.2
170°	332.2	334.0	335.3	336.6	337.2	337.2	336.6
172.5°	327.5	329.0	329.7	330.0	331.1	330.1	329.5
175°	320.7	322.0	322.0	322.0	322.5	321.3	320.7
177.5°	317.7	317.7	317.7	317.2	317.7	316.2	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2

(END OF REPORT)