

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: P333504-940

Luminaire Tested: **S125RDIP-S375D810U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333504-940  
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-S375D810U940-4F0-1E-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: 3895.7 lumens  
Efficiency: N/A  
Efficacy: 124.9 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

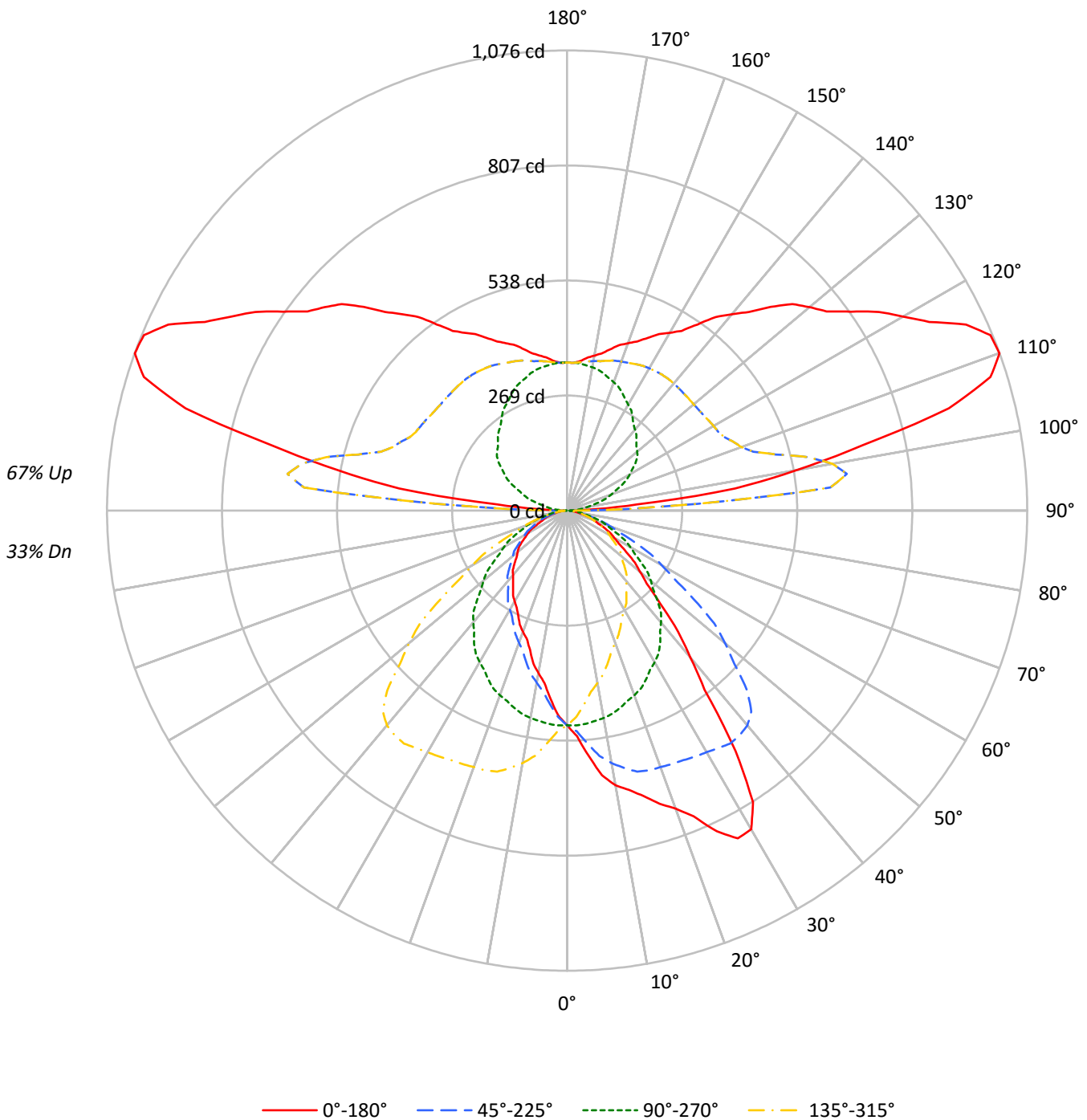
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3241	3241	3241	3241
5°	3729	3246	2867	3246
10°	4278	3229	2530	3229
15°	4621	3196	2249	3196
20°	5096	3158	2076	3158
25°	5897	3107	1927	3107
30°	6416	3053	1829	3053
35°	5412	2990	1738	2990
40°	3780	2878	1661	2878
45°	2804	2726	1585	2726
50°	2237	2569	1519	2569
55°	1897	2374	1462	2374
60°	1639	2198	1368	2198
65°	1461	2008	1177	2008
70°	1284	1841	1074	1841
75°	1110	1592	1008	1592
80°	841	1339	841	1339
85°	704	1052	793	1052



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.1	1.2
10°-20°	141.1	3.6
20°-30°	223.6	5.7
30°-40°	269.7	6.9
40°-50°	240.9	6.2
50°-60°	184.7	4.7
60°-70°	120.0	3.1
70°-80°	58.3	1.5
80°-90°	15.9	0.4
90°-100°	250.7	6.4
100°-110°	538.9	13.8
110°-120°	505.7	13.0
120°-130°	409.8	10.5
130°-140°	328.9	8.4
140°-150°	248.2	6.4
150°-160°	174.7	4.5
160°-170°	103.0	2.6
170°-180°	33.5	0.9
0°-30°	412.8	10.6
0°-40°	682.5	17.5
0°-60°	1108.1	28.4
0°-90°	1302.3	33.4
90°-120°	1295.2	33.2
90°-150°	2282.2	58.6
90°-180°	2593.0	66.6
0°-180°	3895.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	502	502	502	502	502	
5°	575	501	442	501	575	57
15°	691	478	336	478	691	198
25°	828	436	270	436	828	380
35°	686	379	220	379	686	415
45°	307	298	174	298	307	245
55°	168	211	130	211	168	153
65°	96	131	77	131	96	95
75°	44	64	40	64	44	47
85°	10	14	11	14	10	11
90°	16	1	16	1	16	11
95°	164	23	164	23	164	232
105°	924	79	924	79	924	918
115°	1029	141	1029	141	1029	1005
125°	811	195	811	195	811	734
135°	674	229	674	229	674	522
145°	531	266	531	266	531	338
155°	446	304	446	304	446	208
165°	390	332	390	332	390	112
175°	351	345	351	345	351	34
180°	346	346	346	346	346	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	528.0	527.6	528.3	526.5	526.6	523.9	523.9	521.7	518.9	516.7	515.8
5°	575.2	575.7	574.9	571.8	569.7	566.6	563.1	557.0	551.8	546.8	543.0
7.5°	624.0	624.3	621.5	620.6	615.4	611.6	603.9	595.4	588.0	578.5	571.2
10°	652.4	652.1	649.3	646.9	642.5	636.7	629.0	619.2	609.9	599.6	589.7
12.5°	668.8	668.2	667.4	664.6	660.4	655.3	648.8	639.1	627.7	616.4	604.8
15°	691.1	689.6	687.0	683.4	677.4	671.5	664.3	655.7	644.7	632.0	621.3
17.5°	718.6	718.6	714.5	709.6	701.5	691.0	679.8	665.9	651.0	637.0	625.6
20°	741.4	740.7	736.6	727.1	717.8	704.6	691.9	674.8	656.7	638.3	624.1
22.5°	774.0	772.4	768.1	755.6	741.3	724.2	704.7	683.9	661.9	641.1	622.4
25°	827.5	826.3	817.8	803.3	783.2	757.0	731.5	702.8	671.3	643.9	621.3
27.5°	864.1	862.7	856.4	844.5	825.8	798.3	763.8	725.4	686.1	648.4	615.7
30°	860.4	863.5	862.7	857.1	843.1	818.4	786.5	743.4	696.6	652.4	613.4
32.5°	808.7	811.5	818.7	829.6	830.5	820.6	796.7	756.9	708.5	658.1	611.5
35°	686.5	690.3	704.3	726.3	755.2	779.3	784.2	762.8	719.3	665.1	608.9
37.5°	527.8	548.0	559.9	583.1	626.7	671.0	713.6	729.3	710.9	662.2	604.5
40°	448.4	453.3	474.3	500.5	537.2	583.3	644.1	688.0	689.4	655.7	597.5
42.5°	383.7	390.0	404.4	425.3	456.7	502.8	565.6	623.6	650.3	637.5	588.4
45°	307.0	311.7	322.3	338.3	362.4	400.6	454.5	521.5	574.6	595.5	564.2
47.5°	252.2	254.8	263.9	276.2	294.0	321.7	363.6	421.7	485.4	530.1	525.8
50°	222.6	225.4	232.4	241.7	256.7	280.2	313.6	362.0	427.8	482.3	493.3
52.5°	199.5	201.9	206.3	215.0	227.4	245.4	272.4	316.2	375.3	433.4	458.7
55°	168.5	170.2	173.7	178.6	188.5	201.5	224.8	255.1	302.9	361.4	398.5
57.5°	143.1	143.9	146.2	150.7	157.6	167.0	183.9	209.5	243.8	296.5	337.4
60°	126.9	127.8	130.6	133.8	139.1	147.8	161.0	178.9	211.8	255.3	296.7
62.5°	114.0	114.6	115.8	118.9	123.6	130.3	140.6	155.2	181.5	219.7	258.8
65°	95.6	95.8	96.2	98.7	101.6	106.6	113.3	123.6	143.4	172.3	206.9
67.5°	77.8	78.2	79.6	80.5	83.5	86.1	90.1	97.9	111.9	131.3	158.3
70°	68.0	67.8	69.2	70.3	71.2	74.4	77.0	83.5	92.1	106.9	129.4
72.5°	58.8	58.2	58.9	59.2	60.5	62.7	65.4	69.3	76.0	86.1	103.3
75°	44.5	44.7	44.7	45.1	46.2	47.0	47.8	49.8	53.6	60.4	69.6
77.5°	31.2	30.9	31.7	31.9	32.5	33.4	34.2	35.0	36.5	39.2	44.1
80°	22.6	22.6	22.8	23.5	23.3	23.7	24.7	25.6	27.4	29.1	30.7
82.5°	17.4	17.2	17.4	17.6	17.5	17.9	18.3	18.5	19.2	20.0	21.1
85°	9.5	9.5	9.7	9.7	9.9	9.9	10.1	10.1	10.1	10.3	10.5
87.5°	6.9	6.7	6.3	6.3	6.5	6.6	6.2	6.0	5.8	5.7	5.6
90°	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6	11.9	11.1	9.7
92.5°	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6	182.0	224.8	228.4
95°	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3	604.5	617.8	504.1
97.5°	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6	764.8	659.7	450.1
100°	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6	803.9	629.6	401.6
102.5°	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9	780.5	576.6	364.8
105°	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9	705.6	505.5	329.1
107.5°	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2	629.2	456.6	314.1
110°	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3	585.7	433.6	309.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5	553.3	420.3	309.6
115°	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1	518.0	405.8	311.7
117.5°	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0	497.0	398.7	316.3
120°	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9	485.3	395.3	320.7
122.5°	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9	475.2	392.5	324.6
125°	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0	461.5	389.1	331.2
127.5°	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7	449.0	387.4	338.6
130°	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7	440.7	386.3	343.0
132.5°	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7	434.0	386.3	348.0
135°	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6	426.0	386.3	354.9
137.5°	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3	418.9	387.1	361.1
140°	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9	415.5	387.6	363.9
142.5°	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7	412.8	388.3	365.6
145°	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2	408.6	387.6	367.5
147.5°	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2	404.2	385.8	368.1
150°	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3	400.9	384.1	368.1
152.5°	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6	397.0	381.9	367.6
155°	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3	390.5	377.9	366.0
157.5°	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0	384.3	373.7	364.3
160°	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3	379.3	371.0	362.6
162.5°	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2	374.8	367.6	360.9
165°	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7	368.1	362.6	358.4
167.5°	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6	361.6	357.7	354.5
170°	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1	357.7	354.9	352.8
172.5°	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1	353.7	351.5	350.5
175°	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7	348.6	347.9	347.9
177.5°	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0	346.3	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	515.8	514.6	512.5	510.5	508.0	505.9	504.4	502.6	500.2	497.5	495.2
5°	538.6	534.0	528.1	522.9	516.3	511.2	505.9	500.7	495.5	488.9	483.1
7.5°	563.9	554.6	545.5	534.0	523.6	514.3	505.4	496.4	487.6	478.2	469.2
10°	579.4	568.0	555.5	541.1	527.9	515.3	503.8	492.4	480.5	470.0	458.7
12.5°	593.9	579.3	564.9	546.7	530.8	515.5	500.8	486.7	473.9	460.3	448.1
15°	607.0	592.5	576.5	554.3	532.2	513.6	496.3	478.0	462.2	446.9	433.3
17.5°	612.1	596.9	578.3	556.9	532.8	509.4	487.1	467.1	448.4	430.6	415.4
20°	610.1	595.5	576.3	555.9	530.1	505.9	481.7	459.5	438.6	419.9	403.7
22.5°	605.3	590.2	571.7	550.1	525.7	499.9	474.1	450.4	428.6	409.2	391.5
25°	598.2	577.6	558.6	537.5	514.2	488.7	462.2	436.0	412.7	392.9	373.5
27.5°	590.7	565.0	540.8	520.0	495.3	472.6	446.9	420.1	395.7	375.5	355.6
30°	583.9	555.1	528.5	504.8	481.5	459.9	435.6	409.4	384.2	363.5	343.3
32.5°	575.5	544.8	515.7	488.3	465.8	444.4	422.4	397.3	372.9	351.4	330.9
35°	565.0	525.8	494.1	465.0	440.1	419.3	399.5	379.3	354.8	332.5	312.5
37.5°	551.2	506.7	470.0	438.4	412.1	391.2	375.5	357.0	334.7	313.4	294.9
40°	542.7	492.8	452.7	421.3	393.8	371.7	357.0	341.4	321.0	301.0	282.5
42.5°	531.5	480.2	435.2	402.6	374.8	353.6	338.8	325.1	308.0	289.2	269.3
45°	509.5	455.6	408.4	373.4	345.4	324.5	310.7	298.5	285.6	268.2	250.9
47.5°	481.0	429.9	380.5	342.2	314.9	295.5	282.1	272.5	263.2	248.5	231.8
50°	458.1	408.8	360.6	323.5	294.3	275.9	263.3	255.7	247.3	233.9	219.8
52.5°	431.0	387.0	339.8	301.9	274.3	257.1	245.0	237.4	230.4	219.5	206.2
55°	388.4	349.8	306.6	272.2	246.8	229.5	218.0	210.8	206.7	197.4	186.9
57.5°	339.2	311.7	273.5	240.3	217.8	200.8	192.3	186.2	181.6	175.0	167.6
60°	305.0	285.6	251.4	219.8	199.2	183.0	175.3	170.2	165.9	160.3	154.5
62.5°	270.2	256.1	226.3	199.2	180.3	166.7	159.5	154.9	149.9	146.2	140.5
65°	223.6	211.0	190.4	169.2	151.7	140.7	135.5	131.4	128.4	124.2	120.3
67.5°	173.9	168.8	154.5	139.9	127.3	117.6	113.2	110.3	106.6	104.2	101.5
70°	143.4	140.9	130.8	121.2	109.4	102.8	98.7	97.5	92.9	90.4	88.6
72.5°	116.4	115.2	109.4	102.7	94.4	88.6	84.9	83.5	80.5	78.6	77.4
75°	79.7	80.2	79.1	74.8	71.7	68.0	64.7	63.8	61.8	60.2	59.1
77.5°	50.5	52.5	52.6	52.4	51.2	49.0	47.5	46.9	44.9	44.3	44.1
80°	34.6	36.9	39.0	38.7	38.3	37.7	36.6	36.0	35.0	34.4	34.0
82.5°	23.1	25.1	26.9	28.0	27.9	27.3	26.7	26.3	26.1	25.7	25.6
85°	10.9	11.3	11.9	13.4	14.4	14.6	14.4	14.2	13.6	13.8	14.0
87.5°	5.6	5.4	5.4	5.1	4.6	5.2	5.4	5.4	5.3	5.2	5.1
90°	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7	1.4	2.8	4.2
92.5°	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5	10.3	16.1	24.8
95°	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0	23.7	29.2	36.9
97.5°	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2	39.1	43.0	50.6
100°	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8	50.2	53.0	60.6
102.5°	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5	61.3	63.6	71.8
105°	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8	78.8	82.3	89.3
107.5°	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7	98.0	101.4	107.1
110°	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5	110.8	113.6	119.9





TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3	123.7	125.9	132.2
115°	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8	142.2	144.4	150.6
117.5°	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6	159.7	161.9	168.2
120°	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7	170.9	173.6	179.9
122.5°	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5	182.0	184.2	190.5
125°	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2	196.6	200.1	206.3
127.5°	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8	208.9	213.4	221.3
130°	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0	216.2	221.7	230.8
132.5°	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6	222.3	229.0	239.2
135°	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7	231.5	239.9	251.0
137.5°	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1	242.2	250.0	261.2
140°	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8	248.9	257.3	268.4
142.5°	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6	256.2	263.9	275.1
145°	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4	267.7	274.7	284.5
147.5°	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6	279.5	285.4	294.5
150°	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9	287.2	292.1	301.2
152.5°	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6	294.5	298.8	306.7
155°	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0	304.0	308.2	315.1
157.5°	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2	313.1	316.4	322.4
160°	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3	318.6	321.5	326.3
162.5°	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3	323.7	326.5	330.7
165°	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9	330.5	332.6	336.1
167.5°	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9	336.2	337.4	339.4
170°	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3	339.6	340.3	341.6
172.5°	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5	341.3	341.9	343.3
175°	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1	343.8	344.5	345.1
177.5°	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3	345.3	345.3	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	493.5	491.2	489.5	486.2	483.9	483.0	481.2	480.6	482.5	481.2	481.0
5°	478.8	472.9	468.1	463.4	458.3	455.0	450.0	449.2	447.9	446.1	445.7
7.5°	461.3	453.4	447.4	439.5	432.7	427.2	421.1	418.1	416.5	414.1	410.9
10°	449.4	440.1	431.9	424.0	415.6	408.8	402.6	397.9	394.8	391.9	390.7
12.5°	437.7	428.2	417.7	408.2	398.8	391.2	384.3	381.2	377.8	374.4	371.6
15°	419.5	407.0	395.4	384.5	376.5	368.2	361.6	357.0	352.0	350.4	344.9
17.5°	400.2	387.9	374.3	362.9	353.6	344.5	337.2	332.1	328.2	322.9	320.4
20°	388.2	373.5	360.3	349.8	339.6	328.9	321.5	317.1	313.4	309.1	307.0
22.5°	375.3	361.1	347.5	335.2	324.8	314.1	308.9	304.4	300.2	296.2	293.5
25°	356.4	342.1	327.8	315.0	304.2	296.5	290.3	285.2	282.9	279.0	276.1
27.5°	337.8	322.4	307.7	295.0	286.4	278.8	273.8	269.7	265.6	262.3	259.7
30°	325.7	310.1	294.0	283.9	274.8	267.7	262.1	258.2	255.1	252.0	250.1
32.5°	313.7	297.6	283.3	272.4	263.9	257.6	251.9	248.1	244.9	241.5	239.2
35°	294.4	277.9	266.4	255.7	247.3	241.5	237.6	232.2	229.5	227.0	224.8
37.5°	276.5	261.2	248.7	239.3	231.9	226.2	221.1	218.3	215.0	212.8	210.9
40°	263.3	249.3	238.0	228.1	222.7	216.3	211.6	207.9	205.5	202.5	200.5
42.5°	251.5	238.4	227.4	218.6	211.9	206.4	201.9	198.1	195.0	193.0	191.3
45°	234.7	221.7	211.0	202.8	196.5	191.5	186.6	184.9	180.7	178.3	177.4
47.5°	217.3	205.7	195.4	187.8	181.5	176.6	172.1	168.4	166.0	163.6	162.3
50°	205.6	194.5	184.9	177.4	171.2	165.9	161.8	159.3	156.1	153.9	152.3
52.5°	193.9	183.6	174.0	166.8	161.5	156.1	151.5	149.1	146.2	144.7	143.6
55°	177.2	166.3	158.0	151.1	145.4	140.5	136.2	133.8	131.9	130.5	130.0
57.5°	158.3	149.6	142.0	135.6	129.8	125.2	121.4	119.0	117.4	117.2	115.9
60°	145.9	138.0	131.1	124.2	119.3	114.9	111.6	109.0	107.4	107.2	106.7
62.5°	133.5	126.0	119.5	113.5	109.1	105.0	101.7	98.8	97.8	96.8	95.9
65°	115.2	108.3	103.0	98.3	93.5	90.1	86.9	85.1	82.8	81.6	79.4
67.5°	97.2	91.9	86.8	82.8	79.0	75.7	73.1	70.4	68.8	67.9	66.3
70°	85.3	81.1	76.1	71.7	68.8	66.2	64.1	61.0	59.9	59.1	58.3
72.5°	74.1	70.4	66.2	62.6	59.7	57.2	54.8	53.4	52.3	51.5	51.1
75°	58.3	54.8	51.1	48.6	46.5	44.5	43.2	42.3	41.8	41.6	40.8
77.5°	42.8	40.9	38.0	36.0	34.7	33.8	32.7	32.2	32.1	31.2	30.9
80°	32.7	31.7	29.2	28.4	27.4	26.6	25.9	25.0	23.9	23.5	22.8
82.5°	24.3	23.4	22.3	21.0	20.2	19.6	19.1	18.6	18.8	18.2	17.9
85°	13.0	11.9	11.5	11.3	10.9	11.3	11.1	10.9	10.7	10.5	10.7
87.5°	5.3	5.5	5.5	6.1	5.7	6.2	6.3	6.3	6.4	6.6	6.7
90°	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6	13.3	13.9	15.3
92.5°	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6	89.7	67.5	57.2
95°	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3	395.3	309.6	251.0
97.5°	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6	672.3	588.7	507.3
100°	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6	823.4	751.6	679.1
102.5°	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9	916.1	881.5	832.5
105°	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9	968.5	999.2	991.5
107.5°	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2	921.8	1000.5	1036.9
110°	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3	868.7	967.1	1026.3



TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5	816.3	915.7	985.6
115°	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1	741.2	836.7	912.7
117.5°	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0	689.1	771.4	841.2
120°	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9	659.6	736.3	797.6
122.5°	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9	638.4	706.7	764.2
125°	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0	610.1	670.7	720.9
127.5°	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7	583.0	639.6	686.6
130°	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7	564.1	618.4	663.8
132.5°	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7	546.2	595.6	639.2
135°	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6	518.7	563.4	603.1
137.5°	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3	494.2	531.3	565.0
140°	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9	479.7	511.8	541.0
142.5°	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7	467.4	495.0	520.4
145°	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2	451.8	473.4	492.2
147.5°	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2	438.8	455.4	469.7
150°	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3	431.6	444.8	457.4
152.5°	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6	424.4	436.5	446.2
155°	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3	413.5	423.2	430.9
157.5°	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0	403.1	410.6	416.7
160°	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3	395.3	402.3	407.2
162.5°	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2	388.6	394.5	398.8
165°	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7	378.6	382.8	386.3
167.5°	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6	368.8	372.0	374.5
170°	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1	363.3	365.3	366.8
172.5°	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1	358.2	359.8	360.6
175°	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7	350.7	352.1	352.1
177.5°	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0	347.5	347.5	347.5
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	480.8	479.0	478.5	479.2	478.5	479.0	480.8	481.0	481.2	482.5	480.6
5°	443.6	441.6	442.6	442.2	442.6	441.6	443.6	445.7	446.1	447.9	449.2
7.5°	410.9	408.3	405.6	406.4	405.6	408.3	410.9	410.9	414.1	416.5	418.1
10°	388.0	385.9	384.7	385.8	384.7	385.9	388.0	390.7	391.9	394.8	397.9
12.5°	368.7	367.5	366.4	366.0	366.4	367.5	368.7	371.6	374.4	377.8	381.2
15°	342.4	340.0	338.9	336.3	338.9	340.0	342.4	344.9	350.4	352.0	357.0
17.5°	318.3	317.4	314.8	313.6	314.8	317.4	318.3	320.4	322.9	328.2	332.1
20°	303.9	303.1	300.4	302.0	300.4	303.1	303.9	307.0	309.1	313.4	317.1
22.5°	292.0	290.3	289.4	288.9	289.4	290.3	292.0	293.5	296.2	300.2	304.4
25°	275.3	272.6	271.5	270.4	271.5	272.6	275.3	276.1	279.0	282.9	285.2
27.5°	258.5	257.1	255.7	255.4	255.7	257.1	258.5	259.7	262.3	265.6	269.7
30°	247.6	246.2	245.2	245.2	245.2	246.2	247.6	250.1	252.0	255.1	258.2
32.5°	237.9	236.8	235.8	235.6	235.8	236.8	237.9	239.2	241.5	244.9	248.1
35°	223.7	222.1	221.7	220.4	221.7	222.1	223.7	224.8	227.0	229.5	232.2
37.5°	209.0	207.7	207.7	207.5	207.7	207.7	209.0	210.9	212.8	215.0	218.3
40°	199.7	198.6	198.4	197.0	198.4	198.6	199.7	200.5	202.5	205.5	207.9
42.5°	189.6	189.0	188.3	187.7	188.3	189.0	189.6	191.3	193.0	195.0	198.1
45°	175.9	174.5	174.5	173.5	174.5	174.5	175.9	177.4	178.3	180.7	184.9
47.5°	161.8	160.8	160.9	159.8	160.9	160.8	161.8	162.3	163.6	166.0	168.4
50°	152.5	151.9	151.7	151.2	151.7	151.9	152.5	152.3	153.9	156.1	159.3
52.5°	143.1	142.8	143.6	142.7	143.6	142.8	143.1	143.6	144.7	146.2	149.1
55°	130.5	129.8	131.1	129.8	131.1	129.8	130.5	130.0	130.5	131.9	133.8
57.5°	115.9	115.3	116.5	115.8	116.5	115.3	115.9	115.9	117.2	117.4	119.0
60°	106.3	105.0	105.7	105.9	105.7	105.0	106.3	106.7	107.2	107.4	109.0
62.5°	95.0	94.2	94.7	93.7	94.7	94.2	95.0	95.9	96.8	97.8	98.8
65°	78.9	78.3	77.5	77.0	77.5	78.3	78.9	79.4	81.6	82.8	85.1
67.5°	66.3	64.8	64.7	65.1	64.7	64.8	66.3	66.3	67.9	68.8	70.4
70°	57.1	57.1	56.9	56.9	56.9	57.1	57.1	58.3	59.1	59.9	61.0
72.5°	50.6	50.5	50.1	49.9	50.1	50.5	50.6	51.1	51.5	52.3	53.4
75°	40.8	41.0	40.6	40.4	40.6	41.0	40.8	40.8	41.6	41.8	42.3
77.5°	30.1	29.2	29.7	29.2	29.7	29.2	30.1	30.9	31.2	32.1	32.2
80°	22.8	22.6	23.3	22.6	23.3	22.6	22.8	22.8	23.5	23.9	25.0
82.5°	18.1	17.9	18.2	17.7	18.2	17.9	18.1	17.9	18.2	18.8	18.6
85°	10.9	10.7	10.5	10.7	10.5	10.7	10.9	10.7	10.5	10.7	10.9
87.5°	6.9	6.7	6.9	6.9	6.9	6.7	6.9	6.7	6.6	6.4	6.3
90°	15.3	15.3	16.1	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6
92.5°	48.2	46.5	45.6	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6
95°	201.5	180.6	175.0	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3
97.5°	464.2	425.2	404.9	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6
100°	631.0	580.8	555.0	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6
102.5°	781.0	745.3	717.3	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9
105°	969.1	946.1	932.2	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9
107.5°	1048.2	1048.0	1043.5	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2
110°	1057.7	1070.9	1075.8	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3



TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1031.4	1054.2	1066.3	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5
115°	967.1	1000.5	1020.0	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1
117.5°	895.5	930.1	949.5	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0
120°	849.2	882.7	901.5	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9
122.5°	810.2	840.9	859.7	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9
125°	760.0	788.5	803.9	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0
127.5°	722.0	747.3	761.8	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7
130°	698.7	721.7	735.6	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7
132.5°	674.0	697.1	709.9	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7
135°	633.7	656.7	669.3	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6
137.5°	592.5	613.4	625.0	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3
140°	566.9	585.0	595.4	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9
142.5°	542.3	557.7	567.6	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7
145°	509.0	520.8	528.5	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2
147.5°	482.9	492.4	496.9	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2
150°	467.9	476.2	479.0	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3
152.5°	455.0	461.7	464.5	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6
155°	437.8	442.7	444.8	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3
157.5°	422.1	426.1	428.1	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0
160°	412.1	415.5	417.0	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3
162.5°	402.6	405.5	405.8	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2
165°	389.1	390.5	390.5	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7
167.5°	375.9	377.2	376.7	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6
170°	368.1	368.8	368.8	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1
172.5°	360.9	362.1	361.1	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1
175°	352.1	352.8	351.4	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7
177.5°	347.0	347.5	345.8	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	481.2	483.0	483.9	486.2	489.5	491.2	493.5	495.2	497.5	500.2	502.6
5°	450.0	455.0	458.3	463.4	468.1	472.9	478.8	483.1	488.9	495.5	500.7
7.5°	421.1	427.2	432.7	439.5	447.4	453.4	461.3	469.2	478.2	487.6	496.4
10°	402.6	408.8	415.6	424.0	431.9	440.1	449.4	458.7	470.0	480.5	492.4
12.5°	384.3	391.2	398.8	408.2	417.7	428.2	437.7	448.1	460.3	473.9	486.7
15°	361.6	368.2	376.5	384.5	395.4	407.0	419.5	433.3	446.9	462.2	478.0
17.5°	337.2	344.5	353.6	362.9	374.3	387.9	400.2	415.4	430.6	448.4	467.1
20°	321.5	328.9	339.6	349.8	360.3	373.5	388.2	403.7	419.9	438.6	459.5
22.5°	308.9	314.1	324.8	335.2	347.5	361.1	375.3	391.5	409.2	428.6	450.4
25°	290.3	296.5	304.2	315.0	327.8	342.1	356.4	373.5	392.9	412.7	436.0
27.5°	273.8	278.8	286.4	295.0	307.7	322.4	337.8	355.6	375.5	395.7	420.1
30°	262.1	267.7	274.8	283.9	294.0	310.1	325.7	343.3	363.5	384.2	409.4
32.5°	251.9	257.6	263.9	272.4	283.3	297.6	313.7	330.9	351.4	372.9	397.3
35°	237.6	241.5	247.3	255.7	266.4	277.9	294.4	312.5	332.5	354.8	379.3
37.5°	221.1	226.2	231.9	239.3	248.7	261.2	276.5	294.9	313.4	334.7	357.0
40°	211.6	216.3	222.7	228.1	238.0	249.3	263.3	282.5	301.0	321.0	341.4
42.5°	201.9	206.4	211.9	218.6	227.4	238.4	251.5	269.3	289.2	308.0	325.1
45°	186.6	191.5	196.5	202.8	211.0	221.7	234.7	250.9	268.2	285.6	298.5
47.5°	172.1	176.6	181.5	187.8	195.4	205.7	217.3	231.8	248.5	263.2	272.5
50°	161.8	165.9	171.2	177.4	184.9	194.5	205.6	219.8	233.9	247.3	255.7
52.5°	151.5	156.1	161.5	166.8	174.0	183.6	193.9	206.2	219.5	230.4	237.4
55°	136.2	140.5	145.4	151.1	158.0	166.3	177.2	186.9	197.4	206.7	210.8
57.5°	121.4	125.2	129.8	135.6	142.0	149.6	158.3	167.6	175.0	181.6	186.2
60°	111.6	114.9	119.3	124.2	131.1	138.0	145.9	154.5	160.3	165.9	170.2
62.5°	101.7	105.0	109.1	113.5	119.5	126.0	133.5	140.5	146.2	149.9	154.9
65°	86.9	90.1	93.5	98.3	103.0	108.3	115.2	120.3	124.2	128.4	131.4
67.5°	73.1	75.7	79.0	82.8	86.8	91.9	97.2	101.5	104.2	106.6	110.3
70°	64.1	66.2	68.8	71.7	76.1	81.1	85.3	88.6	90.4	92.9	97.5
72.5°	54.8	57.2	59.7	62.6	66.2	70.4	74.1	77.4	78.6	80.5	83.5
75°	43.2	44.5	46.5	48.6	51.1	54.8	58.3	59.1	60.2	61.8	63.8
77.5°	32.7	33.8	34.7	36.0	38.0	40.9	42.8	44.1	44.3	44.9	46.9
80°	25.9	26.6	27.4	28.4	29.2	31.7	32.7	34.0	34.4	35.0	36.0
82.5°	19.1	19.6	20.2	21.0	22.3	23.4	24.3	25.6	25.7	26.1	26.3
85°	11.1	11.3	10.9	11.3	11.5	11.9	13.0	14.0	13.8	13.6	14.2
87.5°	6.3	6.2	5.7	6.1	5.5	5.5	5.3	5.1	5.2	5.3	5.4
90°	11.9	11.1	9.7	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7
92.5°	182.0	224.8	228.4	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5
95°	604.5	617.8	504.1	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0
97.5°	764.8	659.7	450.1	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2
100°	803.9	629.6	401.6	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8
102.5°	780.5	576.6	364.8	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5
105°	705.6	505.5	329.1	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8
107.5°	629.2	456.6	314.1	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7
110°	585.7	433.6	309.6	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5



TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	553.3	420.3	309.6	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3
115°	518.0	405.8	311.7	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8
117.5°	497.0	398.7	316.3	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6
120°	485.3	395.3	320.7	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7
122.5°	475.2	392.5	324.6	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5
125°	461.5	389.1	331.2	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2
127.5°	449.0	387.4	338.6	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8
130°	440.7	386.3	343.0	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0
132.5°	434.0	386.3	348.0	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6
135°	426.0	386.3	354.9	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7
137.5°	418.9	387.1	361.1	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1
140°	415.5	387.6	363.9	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8
142.5°	412.8	388.3	365.6	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6
145°	408.6	387.6	367.5	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4
147.5°	404.2	385.8	368.1	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6
150°	400.9	384.1	368.1	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9
152.5°	397.0	381.9	367.6	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6
155°	390.5	377.9	366.0	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0
157.5°	384.3	373.7	364.3	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2
160°	379.3	371.0	362.6	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3
162.5°	374.8	367.6	360.9	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3
165°	368.1	362.6	358.4	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9
167.5°	361.6	357.7	354.5	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9
170°	357.7	354.9	352.8	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3
172.5°	353.7	351.5	350.5	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5
175°	348.6	347.9	347.9	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1
177.5°	346.3	345.8	345.8	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	504.4	505.9	508.0	510.5	512.5	514.6	515.8	515.8	516.7	518.9	521.7
5°	505.9	511.2	516.3	522.9	528.1	534.0	538.6	543.0	546.8	551.8	557.0
7.5°	505.4	514.3	523.6	534.0	545.5	554.6	563.9	571.2	578.5	588.0	595.4
10°	503.8	515.3	527.9	541.1	555.5	568.0	579.4	589.7	599.6	609.9	619.2
12.5°	500.8	515.5	530.8	546.7	564.9	579.3	593.9	604.8	616.4	627.7	639.1
15°	496.3	513.6	532.2	554.3	576.5	592.5	607.0	621.3	632.0	644.7	655.7
17.5°	487.1	509.4	532.8	556.9	578.3	596.9	612.1	625.6	637.0	651.0	665.9
20°	481.7	505.9	530.1	555.9	576.3	595.5	610.1	624.1	638.3	656.7	674.8
22.5°	474.1	499.9	525.7	550.1	571.7	590.2	605.3	622.4	641.1	661.9	683.9
25°	462.2	488.7	514.2	537.5	558.6	577.6	598.2	621.3	643.9	671.3	702.8
27.5°	446.9	472.6	495.3	520.0	540.8	565.0	590.7	615.7	648.4	686.1	725.4
30°	435.6	459.9	481.5	504.8	528.5	555.1	583.9	613.4	652.4	696.6	743.4
32.5°	422.4	444.4	465.8	488.3	515.7	544.8	575.5	611.5	658.1	708.5	756.9
35°	399.5	419.3	440.1	465.0	494.1	525.8	565.0	608.9	665.1	719.3	762.8
37.5°	375.5	391.2	412.1	438.4	470.0	506.7	551.2	604.5	662.2	710.9	729.3
40°	357.0	371.7	393.8	421.3	452.7	492.8	542.7	597.5	655.7	689.4	688.0
42.5°	338.8	353.6	374.8	402.6	435.2	480.2	531.5	588.4	637.5	650.3	623.6
45°	310.7	324.5	345.4	373.4	408.4	455.6	509.5	564.2	595.5	574.6	521.5
47.5°	282.1	295.5	314.9	342.2	380.5	429.9	481.0	525.8	530.1	485.4	421.7
50°	263.3	275.9	294.3	323.5	360.6	408.8	458.1	493.3	482.3	427.8	362.0
52.5°	245.0	257.1	274.3	301.9	339.8	387.0	431.0	458.7	433.4	375.3	316.2
55°	218.0	229.5	246.8	272.2	306.6	349.8	388.4	398.5	361.4	302.9	255.1
57.5°	192.3	200.8	217.8	240.3	273.5	311.7	339.2	337.4	296.5	243.8	209.5
60°	175.3	183.0	199.2	219.8	251.4	285.6	305.0	296.7	255.3	211.8	178.9
62.5°	159.5	166.7	180.3	199.2	226.3	256.1	270.2	258.8	219.7	181.5	155.2
65°	135.5	140.7	151.7	169.2	190.4	211.0	223.6	206.9	172.3	143.4	123.6
67.5°	113.2	117.6	127.3	139.9	154.5	168.8	173.9	158.3	131.3	111.9	97.9
70°	98.7	102.8	109.4	121.2	130.8	140.9	143.4	129.4	106.9	92.1	83.5
72.5°	84.9	88.6	94.4	102.7	109.4	115.2	116.4	103.3	86.1	76.0	69.3
75°	64.7	68.0	71.7	74.8	79.1	80.2	79.7	69.6	60.4	53.6	49.8
77.5°	47.5	49.0	51.2	52.4	52.6	52.5	50.5	44.1	39.2	36.5	35.0
80°	36.6	37.7	38.3	38.7	39.0	36.9	34.6	30.7	29.1	27.4	25.6
82.5°	26.7	27.3	27.9	28.0	26.9	25.1	23.1	21.1	20.0	19.2	18.5
85°	14.4	14.6	14.4	13.4	11.9	11.3	10.9	10.5	10.3	10.1	10.1
87.5°	5.4	5.2	4.6	5.1	5.4	5.4	5.6	5.6	5.7	5.8	6.0
90°	1.4	2.8	4.2	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6
92.5°	10.3	16.1	24.8	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6
95°	23.7	29.2	36.9	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3
97.5°	39.1	43.0	50.6	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6
100°	50.2	53.0	60.6	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6
102.5°	61.3	63.6	71.8	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9
105°	78.8	82.3	89.3	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9
107.5°	98.0	101.4	107.1	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2
110°	110.8	113.6	119.9	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3





TEST NUMBER: P333504-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.7	125.9	132.2	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5
115°	142.2	144.4	150.6	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1
117.5°	159.7	161.9	168.2	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0
120°	170.9	173.6	179.9	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9
122.5°	182.0	184.2	190.5	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9
125°	196.6	200.1	206.3	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0
127.5°	208.9	213.4	221.3	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7
130°	216.2	221.7	230.8	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7
132.5°	222.3	229.0	239.2	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7
135°	231.5	239.9	251.0	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6
137.5°	242.2	250.0	261.2	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3
140°	248.9	257.3	268.4	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9
142.5°	256.2	263.9	275.1	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7
145°	267.7	274.7	284.5	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2
147.5°	279.5	285.4	294.5	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2
150°	287.2	292.1	301.2	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3
152.5°	294.5	298.8	306.7	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6
155°	304.0	308.2	315.1	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3
157.5°	313.1	316.4	322.4	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0
160°	318.6	321.5	326.3	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3
162.5°	323.7	326.5	330.7	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2
165°	330.5	332.6	336.1	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7
167.5°	336.2	337.4	339.4	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6
170°	339.6	340.3	341.6	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1
172.5°	341.3	341.9	343.3	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1
175°	343.8	344.5	345.1	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7
177.5°	345.3	345.3	345.8	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	523.9	523.9	526.6	526.5	528.3	527.6	528.0
5°	563.1	566.6	569.7	571.8	574.9	575.7	575.2
7.5°	603.9	611.6	615.4	620.6	621.5	624.3	624.0
10°	629.0	636.7	642.5	646.9	649.3	652.1	652.4
12.5°	648.8	655.3	660.4	664.6	667.4	668.2	668.8
15°	664.3	671.5	677.4	683.4	687.0	689.6	691.1
17.5°	679.8	691.0	701.5	709.6	714.5	718.6	718.6
20°	691.9	704.6	717.8	727.1	736.6	740.7	741.4
22.5°	704.7	724.2	741.3	755.6	768.1	772.4	774.0
25°	731.5	757.0	783.2	803.3	817.8	826.3	827.5
27.5°	763.8	798.3	825.8	844.5	856.4	862.7	864.1
30°	786.5	818.4	843.1	857.1	862.7	863.5	860.4
32.5°	796.7	820.6	830.5	829.6	818.7	811.5	808.7
35°	784.2	779.3	755.2	726.3	704.3	690.3	686.5
37.5°	713.6	671.0	626.7	583.1	559.9	548.0	527.8
40°	644.1	583.3	537.2	500.5	474.3	453.3	448.4
42.5°	565.6	502.8	456.7	425.3	404.4	390.0	383.7
45°	454.5	400.6	362.4	338.3	322.3	311.7	307.0
47.5°	363.6	321.7	294.0	276.2	263.9	254.8	252.2
50°	313.6	280.2	256.7	241.7	232.4	225.4	222.6
52.5°	272.4	245.4	227.4	215.0	206.3	201.9	199.5
55°	224.8	201.5	188.5	178.6	173.7	170.2	168.5
57.5°	183.9	167.0	157.6	150.7	146.2	143.9	143.1
60°	161.0	147.8	139.1	133.8	130.6	127.8	126.9
62.5°	140.6	130.3	123.6	118.9	115.8	114.6	114.0
65°	113.3	106.6	101.6	98.7	96.2	95.8	95.6
67.5°	90.1	86.1	83.5	80.5	79.6	78.2	77.8
70°	77.0	74.4	71.2	70.3	69.2	67.8	68.0
72.5°	65.4	62.7	60.5	59.2	58.9	58.2	58.8
75°	47.8	47.0	46.2	45.1	44.7	44.7	44.5
77.5°	34.2	33.4	32.5	31.9	31.7	30.9	31.2
80°	24.7	23.7	23.3	23.5	22.8	22.6	22.6
82.5°	18.3	17.9	17.5	17.6	17.4	17.2	17.4
85°	10.1	9.9	9.9	9.7	9.7	9.5	9.5
87.5°	6.2	6.6	6.5	6.3	6.3	6.7	6.9
90°	13.3	13.9	15.3	15.3	15.3	16.1	16.1
92.5°	89.7	67.5	57.2	48.2	46.5	45.6	44.5
95°	395.3	309.6	251.0	201.5	180.6	175.0	163.8
97.5°	672.3	588.7	507.3	464.2	425.2	404.9	396.0
100°	823.4	751.6	679.1	631.0	580.8	555.0	543.9
102.5°	916.1	881.5	832.5	781.0	745.3	717.3	708.9
105°	968.5	999.2	991.5	969.1	946.1	932.2	923.8
107.5°	921.8	1000.5	1036.9	1048.2	1048.0	1043.5	1037.9
110°	868.7	967.1	1026.3	1057.7	1070.9	1075.8	1075.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	816.3	915.7	985.6	1031.4	1054.2	1066.3	1071.4
115°	741.2	836.7	912.7	967.1	1000.5	1020.0	1029.1
117.5°	689.1	771.4	841.2	895.5	930.1	949.5	955.0
120°	659.6	736.3	797.6	849.2	882.7	901.5	907.0
122.5°	638.4	706.7	764.2	810.2	840.9	859.7	864.7
125°	610.1	670.7	720.9	760.0	788.5	803.9	810.8
127.5°	583.0	639.6	686.6	722.0	747.3	761.8	764.8
130°	564.1	618.4	663.8	698.7	721.7	735.6	739.8
132.5°	546.2	595.6	639.2	674.0	697.1	709.9	714.6
135°	518.7	563.4	603.1	633.7	656.7	669.3	673.5
137.5°	494.2	531.3	565.0	592.5	613.4	625.0	629.6
140°	479.7	511.8	541.0	566.9	585.0	595.4	598.9
142.5°	467.4	495.0	520.4	542.3	557.7	567.6	570.4
145°	451.8	473.4	492.2	509.0	520.8	528.5	531.3
147.5°	438.8	455.4	469.7	482.9	492.4	496.9	498.1
150°	431.6	444.8	457.4	467.9	476.2	479.0	479.7
152.5°	424.4	436.5	446.2	455.0	461.7	464.5	465.2
155°	413.5	423.2	430.9	437.8	442.7	444.8	445.5
157.5°	403.1	410.6	416.7	422.1	426.1	428.1	427.9
160°	395.3	402.3	407.2	412.1	415.5	417.0	416.3
162.5°	388.6	394.5	398.8	402.6	405.5	405.8	405.6
165°	378.6	382.8	386.3	389.1	390.5	390.5	390.5
167.5°	368.8	372.0	374.5	375.9	377.2	376.7	376.5
170°	363.3	365.3	366.8	368.1	368.8	368.8	368.1
172.5°	358.2	359.8	360.6	360.9	362.1	361.1	360.3
175°	350.7	352.1	352.1	352.1	352.8	351.4	350.7
177.5°	347.5	347.5	347.5	347.0	347.5	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8

(END OF REPORT)