

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: P333504-840

Luminaire Tested: **S125RDIP-S375D810U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333504-840
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-S375D810U840-4F0-1E-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: 4411.9 lumens
Efficiency: N/A
Efficacy: 141.4 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

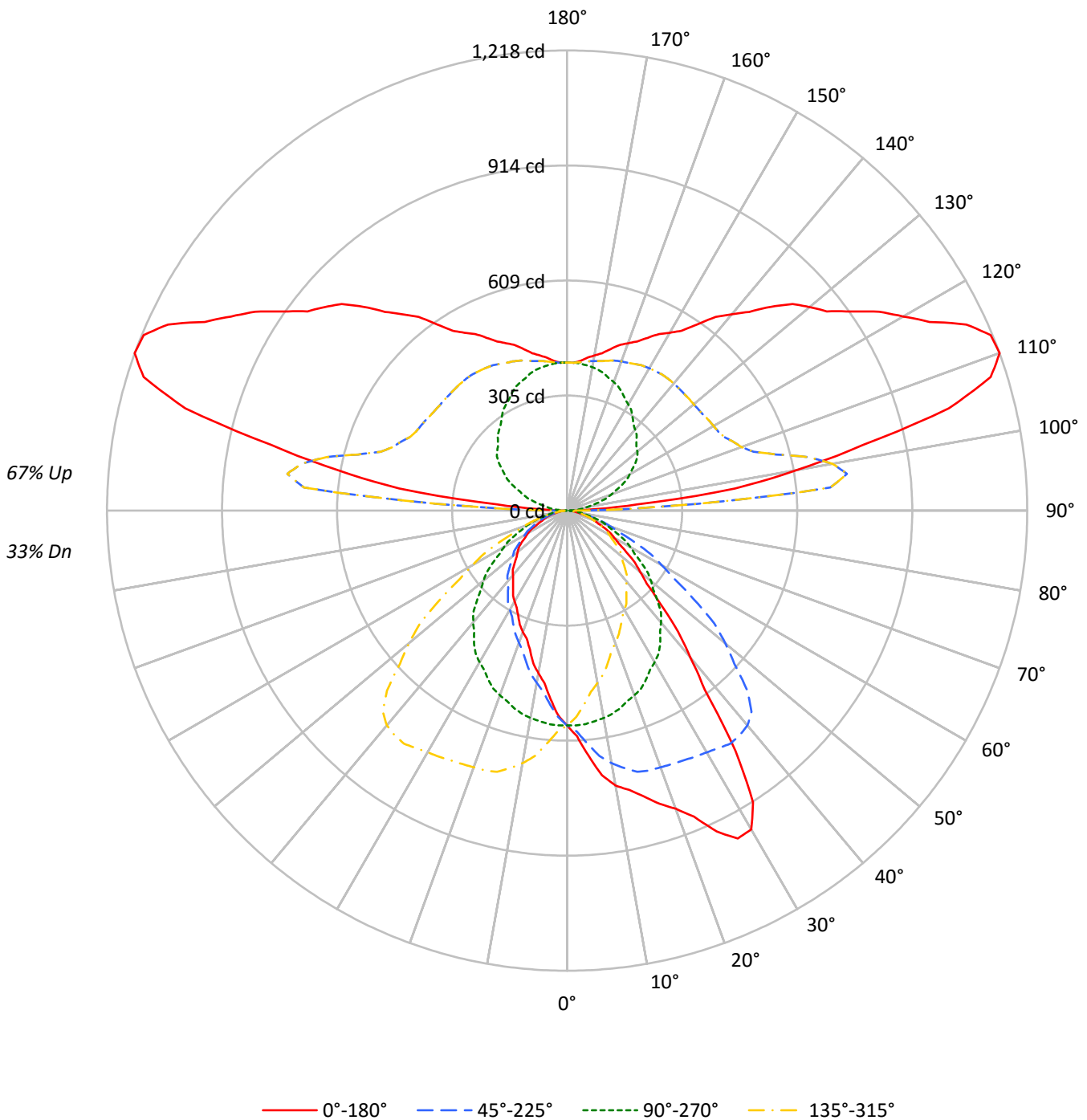
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	1.2
10°-20°	159.7	3.6
20°-30°	253.3	5.7
30°-40°	305.4	6.9
40°-50°	272.8	6.2
50°-60°	209.2	4.7
60°-70°	135.9	3.1
70°-80°	66.1	1.5
80°-90°	18.0	0.4
90°-100°	283.9	6.4
100°-110°	610.3	13.8
110°-120°	572.7	13.0
120°-130°	464.2	10.5
130°-140°	372.5	8.4
140°-150°	281.1	6.4
150°-160°	197.9	4.5
160°-170°	116.6	2.6
170°-180°	37.9	0.9
0°-30°	467.5	10.6
0°-40°	773.0	17.5
0°-60°	1254.9	28.4
0°-90°	1474.9	33.4
90°-120°	1466.9	33.2
90°-150°	2584.6	58.6
90°-180°	2937.0	66.6
0°-180°	4411.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
90°	18	1	18	1	18	13
95°	186	26	186	26	186	263
105°	1046	89	1046	89	1046	1040
115°	1166	160	1166	160	1166	1139
125°	918	221	918	221	918	831
135°	763	259	763	259	763	591
145°	602	302	602	302	602	382
155°	504	344	504	344	504	235
165°	442	376	442	376	442	126
175°	397	391	397	391	397	39
180°	392	392	392	392	392	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	7.8	7.6	7.2	7.2	7.4	7.5	7.1	6.8	6.6	6.5	6.4
90°	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2	13.4	12.6	11.0
92.5°	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0	206.1	254.6	258.6
95°	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7	684.6	699.6	570.9
97.5°	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6	866.2	747.1	509.8
100°	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2	910.4	713.1	454.8
102.5°	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5	883.9	653.0	413.1
105°	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6	799.1	572.5	372.7
107.5°	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5	712.6	517.1	355.7
110°	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8	663.3	491.1	350.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0	626.6	475.9	350.6
115°	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0	586.6	459.6	352.9
117.5°	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0	562.8	451.5	358.2
120°	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2	549.6	447.7	363.2
122.5°	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2	538.2	444.5	367.6
125°	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4	522.7	440.6	375.1
127.5°	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1	508.5	438.7	383.4
130°	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3	499.1	437.5	388.5
132.5°	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5	491.5	437.5	394.2
135°	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0	482.4	437.5	401.9
137.5°	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6	474.4	438.4	409.0
140°	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1	470.6	439.0	412.1
142.5°	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0	467.5	439.7	414.0
145°	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2	462.7	439.0	416.2
147.5°	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1	457.8	437.0	416.9
150°	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4	454.0	435.0	416.9
152.5°	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0	449.6	432.5	416.3
155°	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7	442.2	428.0	414.5
157.5°	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2	435.3	423.2	412.5
160°	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8	429.6	420.1	410.6
162.5°	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8	424.4	416.3	408.7
165°	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2	416.9	410.6	405.9
167.5°	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0	409.5	405.1	401.4
170°	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0	405.1	401.9	399.5
172.5°	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3	400.6	398.1	397.0
175°	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2	394.8	394.0	394.0
177.5°	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9	392.2	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	6.4	6.1	6.1	5.8	5.3	5.9	6.1	6.2	6.0	5.9	5.8
90°	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8	1.6	3.1	4.7
92.5°	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6	11.7	18.3	28.1
95°	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1	26.9	33.1	41.8
97.5°	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2	44.2	48.7	57.4
100°	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2	56.9	60.0	68.7
102.5°	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6	69.5	72.0	81.3
105°	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3	89.3	93.2	101.1
107.5°	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5	111.0	114.8	121.3
110°	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0	125.5	128.7	135.8



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5	140.1	142.6	149.7
115°	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5	161.1	163.5	170.6
117.5°	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4	180.9	183.4	190.5
120°	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1	193.5	196.6	203.7
122.5°	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4	206.1	208.6	215.7
125°	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1	222.7	226.6	233.7
127.5°	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2	236.6	241.7	250.6
130°	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4	244.8	251.1	261.4
132.5°	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7	251.8	259.3	270.8
135°	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0	262.2	271.7	284.3
137.5°	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0	274.3	283.2	295.8
140°	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5	281.9	291.3	304.0
142.5°	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3	290.1	298.9	311.5
145°	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6	303.2	311.1	322.1
147.5°	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5	316.5	323.3	333.6
150°	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8	325.3	330.8	341.1
152.5°	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5	333.6	338.4	347.4
155°	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3	344.3	349.0	356.9
157.5°	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7	354.6	358.3	365.1
160°	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6	360.8	364.1	369.5
162.5°	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3	366.6	369.7	374.6
165°	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9	374.3	376.7	380.6
167.5°	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5	380.7	382.1	384.4
170°	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4	384.6	385.4	386.9
172.5°	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9	386.5	387.2	388.8
175°	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8	389.3	390.1	390.8
177.5°	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2	391.0	391.0	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	6.0	6.3	6.3	6.9	6.5	7.0	7.2	7.2	7.3	7.5	7.6
90°	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2	15.0	15.8	17.4
92.5°	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0	101.6	76.4	64.7
95°	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7	447.7	350.6	284.3
97.5°	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6	761.3	666.7	574.5
100°	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2	932.5	851.2	769.1
102.5°	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5	1037.4	998.4	942.8
105°	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6	1096.8	1131.6	1122.9
107.5°	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5	1043.9	1133.1	1174.3
110°	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8	983.8	1095.2	1162.3



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0	924.4	1037.0	1116.2
115°	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0	839.4	947.6	1033.6
117.5°	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0	780.4	873.6	952.6
120°	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2	747.0	833.8	903.3
122.5°	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2	723.0	800.3	865.5
125°	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4	690.9	759.6	816.5
127.5°	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1	660.2	724.4	777.6
130°	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3	638.8	700.3	751.7
132.5°	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5	618.5	674.5	723.9
135°	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0	587.4	638.0	683.0
137.5°	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6	559.7	601.7	639.9
140°	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1	543.2	579.6	612.7
142.5°	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0	529.4	560.6	589.4
145°	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2	511.7	536.1	557.4
147.5°	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1	497.0	515.7	531.9
150°	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4	488.8	503.7	518.0
152.5°	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0	480.6	494.3	505.3
155°	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7	468.3	479.3	488.0
157.5°	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2	456.6	465.0	471.9
160°	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8	447.7	455.7	461.1
162.5°	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8	440.1	446.8	451.6
165°	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2	428.8	433.5	437.5
167.5°	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0	417.7	421.3	424.1
170°	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0	411.4	413.7	415.4
172.5°	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3	405.7	407.5	408.4
175°	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2	397.2	398.8	398.8
177.5°	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9	393.5	393.5	393.5
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	7.8	7.6	7.8	7.8	7.8	7.6	7.8	7.6	7.5	7.3	7.2
90°	17.4	17.4	18.2	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2
92.5°	54.6	52.7	51.6	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0
95°	228.2	204.5	198.2	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7
97.5°	525.7	481.5	458.6	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6
100°	714.6	657.7	628.5	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2
102.5°	884.5	844.0	812.3	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5
105°	1097.5	1071.5	1055.7	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6
107.5°	1187.1	1186.9	1181.7	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5
110°	1197.8	1212.8	1218.4	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1168.1	1193.9	1207.6	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0
115°	1095.2	1133.1	1155.2	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0
117.5°	1014.2	1053.3	1075.3	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0
120°	961.7	999.7	1021.0	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2
122.5°	917.6	952.3	973.6	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2
125°	860.7	893.0	910.4	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4
127.5°	817.7	846.3	862.7	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1
130°	791.2	817.3	833.0	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3
132.5°	763.4	789.4	804.0	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5
135°	717.7	743.8	758.0	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0
137.5°	671.1	694.7	707.8	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6
140°	642.0	662.5	674.3	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1
142.5°	614.2	631.6	642.8	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0
145°	576.4	589.9	598.5	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2
147.5°	546.8	557.6	562.7	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1
150°	529.9	539.3	542.5	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4
152.5°	515.3	522.9	526.0	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0
155°	495.8	501.4	503.7	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7
157.5°	478.1	482.6	484.8	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2
160°	466.7	470.6	472.2	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8
162.5°	456.0	459.2	459.6	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8
165°	440.6	442.2	442.2	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2
167.5°	425.8	427.2	426.6	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0
170°	416.9	417.7	417.7	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0
172.5°	408.7	410.1	408.9	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3
175°	398.8	399.5	398.0	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2
177.5°	392.9	393.5	391.6	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	7.2	7.0	6.5	6.9	6.3	6.3	6.0	5.8	5.9	6.0	6.2
90°	13.4	12.6	11.0	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8
92.5°	206.1	254.6	258.6	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6
95°	684.6	699.6	570.9	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1
97.5°	866.2	747.1	509.8	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2
100°	910.4	713.1	454.8	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2
102.5°	883.9	653.0	413.1	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6
105°	799.1	572.5	372.7	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3
107.5°	712.6	517.1	355.7	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5
110°	663.3	491.1	350.6	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	626.6	475.9	350.6	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5
115°	586.6	459.6	352.9	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5
117.5°	562.8	451.5	358.2	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4
120°	549.6	447.7	363.2	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1
122.5°	538.2	444.5	367.6	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4
125°	522.7	440.6	375.1	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1
127.5°	508.5	438.7	383.4	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2
130°	499.1	437.5	388.5	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4
132.5°	491.5	437.5	394.2	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7
135°	482.4	437.5	401.9	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0
137.5°	474.4	438.4	409.0	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0
140°	470.6	439.0	412.1	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5
142.5°	467.5	439.7	414.0	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3
145°	462.7	439.0	416.2	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6
147.5°	457.8	437.0	416.9	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5
150°	454.0	435.0	416.9	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8
152.5°	449.6	432.5	416.3	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5
155°	442.2	428.0	414.5	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3
157.5°	435.3	423.2	412.5	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7
160°	429.6	420.1	410.6	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6
162.5°	424.4	416.3	408.7	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3
165°	416.9	410.6	405.9	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9
167.5°	409.5	405.1	401.4	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5
170°	405.1	401.9	399.5	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4
172.5°	400.6	398.1	397.0	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9
175°	394.8	394.0	394.0	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8
177.5°	392.2	391.6	391.6	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.1	5.9	5.3	5.8	6.1	6.1	6.4	6.4	6.5	6.6	6.8
90°	1.6	3.1	4.7	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2
92.5°	11.7	18.3	28.1	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0
95°	26.9	33.1	41.8	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7
97.5°	44.2	48.7	57.4	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6
100°	56.9	60.0	68.7	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2
102.5°	69.5	72.0	81.3	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5
105°	89.3	93.2	101.1	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6
107.5°	111.0	114.8	121.3	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5
110°	125.5	128.7	135.8	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8



TEST NUMBER: P333504-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	140.1	142.6	149.7	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0
115°	161.1	163.5	170.6	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0
117.5°	180.9	183.4	190.5	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0
120°	193.5	196.6	203.7	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2
122.5°	206.1	208.6	215.7	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2
125°	222.7	226.6	233.7	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4
127.5°	236.6	241.7	250.6	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1
130°	244.8	251.1	261.4	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3
132.5°	251.8	259.3	270.8	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5
135°	262.2	271.7	284.3	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0
137.5°	274.3	283.2	295.8	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6
140°	281.9	291.3	304.0	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1
142.5°	290.1	298.9	311.5	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0
145°	303.2	311.1	322.1	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2
147.5°	316.5	323.3	333.6	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1
150°	325.3	330.8	341.1	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4
152.5°	333.6	338.4	347.4	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0
155°	344.3	349.0	356.9	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7
157.5°	354.6	358.3	365.1	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2
160°	360.8	364.1	369.5	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8
162.5°	366.6	369.7	374.6	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8
165°	374.3	376.7	380.6	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2
167.5°	380.7	382.1	384.4	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0
170°	384.6	385.4	386.9	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0
172.5°	386.5	387.2	388.8	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3
175°	389.3	390.1	390.8	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2
177.5°	391.0	391.0	391.6	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	7.1	7.5	7.4	7.2	7.2	7.6	7.8
90°	15.0	15.8	17.4	17.4	17.4	18.2	18.2
92.5°	101.6	76.4	64.7	54.6	52.7	51.6	50.4
95°	447.7	350.6	284.3	228.2	204.5	198.2	185.5
97.5°	761.3	666.7	574.5	525.7	481.5	458.6	448.5
100°	932.5	851.2	769.1	714.6	657.7	628.5	615.9
102.5°	1037.4	998.4	942.8	884.5	844.0	812.3	802.8
105°	1096.8	1131.6	1122.9	1097.5	1071.5	1055.7	1046.2
107.5°	1043.9	1133.1	1174.3	1187.1	1186.9	1181.7	1175.4
110°	983.8	1095.2	1162.3	1197.8	1212.8	1218.4	1218.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	924.4	1037.0	1116.2	1168.1	1193.9	1207.6	1213.4
115°	839.4	947.6	1033.6	1095.2	1133.1	1155.2	1165.5
117.5°	780.4	873.6	952.6	1014.2	1053.3	1075.3	1081.6
120°	747.0	833.8	903.3	961.7	999.7	1021.0	1027.2
122.5°	723.0	800.3	865.5	917.6	952.3	973.6	979.3
125°	690.9	759.6	816.5	860.7	893.0	910.4	918.3
127.5°	660.2	724.4	777.6	817.7	846.3	862.7	866.2
130°	638.8	700.3	751.7	791.2	817.3	833.0	837.8
132.5°	618.5	674.5	723.9	763.4	789.4	804.0	809.3
135°	587.4	638.0	683.0	717.7	743.8	758.0	762.8
137.5°	559.7	601.7	639.9	671.1	694.7	707.8	713.1
140°	543.2	579.6	612.7	642.0	662.5	674.3	678.2
142.5°	529.4	560.6	589.4	614.2	631.6	642.8	646.0
145°	511.7	536.1	557.4	576.4	589.9	598.5	601.7
147.5°	497.0	515.7	531.9	546.8	557.6	562.7	564.1
150°	488.8	503.7	518.0	529.9	539.3	542.5	543.2
152.5°	480.6	494.3	505.3	515.3	522.9	526.0	526.8
155°	468.3	479.3	488.0	495.8	501.4	503.7	504.5
157.5°	456.6	465.0	471.9	478.1	482.6	484.8	484.6
160°	447.7	455.7	461.1	466.7	470.6	472.2	471.4
162.5°	440.1	446.8	451.6	456.0	459.2	459.6	459.4
165°	428.8	433.5	437.5	440.6	442.2	442.2	442.2
167.5°	417.7	421.3	424.1	425.8	427.2	426.6	426.4
170°	411.4	413.7	415.4	416.9	417.7	417.7	416.9
172.5°	405.7	407.5	408.4	408.7	410.1	408.9	408.1
175°	397.2	398.8	398.8	398.8	399.5	398.0	397.2
177.5°	393.5	393.5	393.5	392.9	393.5	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6

(END OF REPORT)