

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: P333116

Luminaire Tested: **S125DIP-S375D365U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333116  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S375D365U835-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2804.5 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

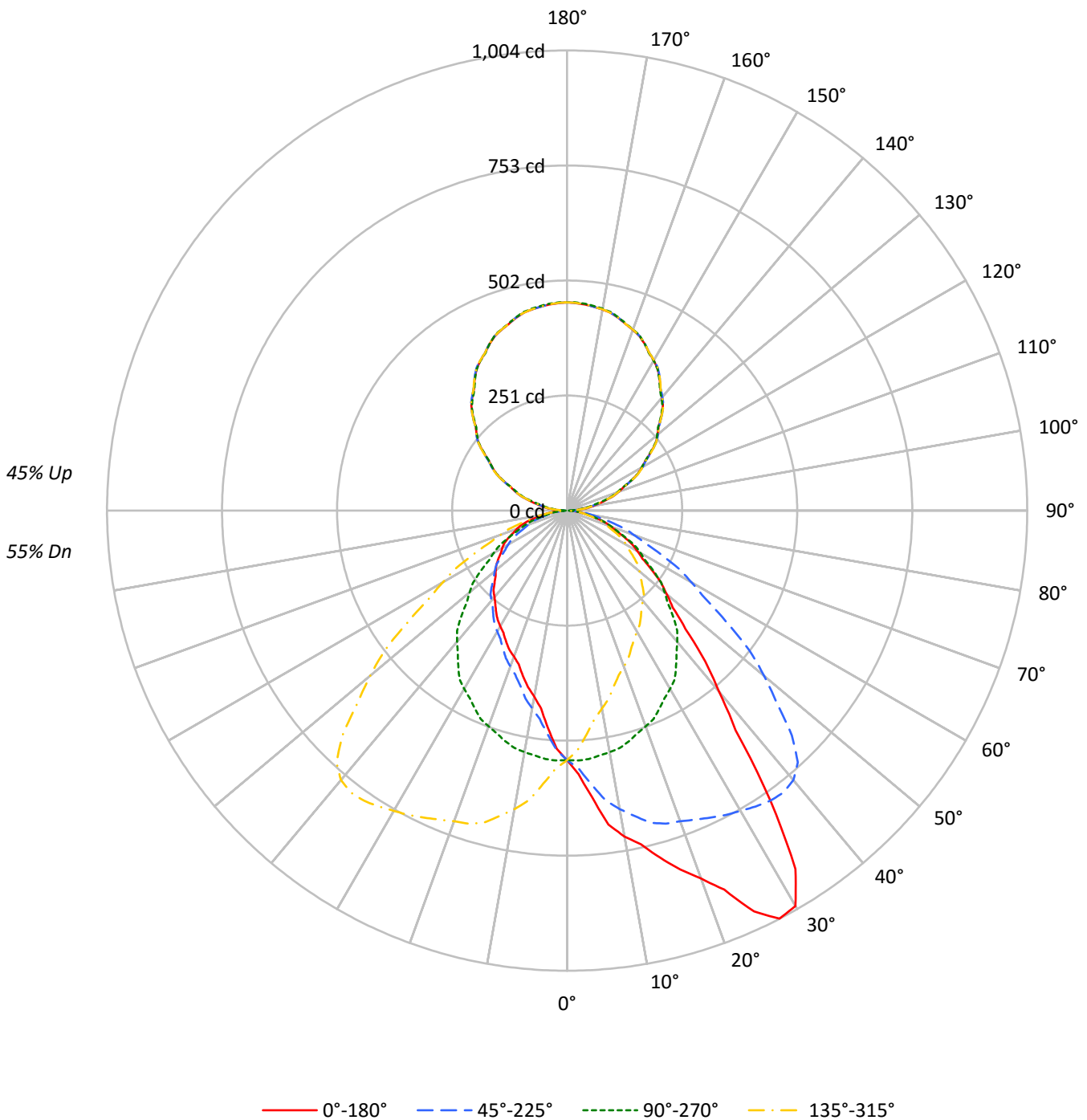
Input Watts (W): 20.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	41	37	40	36	33	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	33	55	44	37	32	39	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	29	25	31	26	23	26	23	20	18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	44	34	27	23	30	24	21	26	22	18	22	19	16	14

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

	0°	90°	180°	270°
0°	3516	3516	3516	3516
5°	4071	3528	3089	3528
10°	4737	3510	2706	3510
15°	5243	3484	2497	3484
20°	5869	3443	2328	3443
25°	6876	3397	2246	3397
30°	7427	3351	2175	3351
35°	6106	3266	2128	3266
40°	4340	3148	2076	3148
45°	3335	2988	2047	2988
50°	2846	2790	2043	2790
55°	2535	2597	2061	2597
60°	2286	2384	2113	2384
65°	2112	2172	2168	2172
70°	1920	1951	2200	1951
75°	1694	1719	2178	1719
80°	1428	1402	1993	1402
85°	1134	1008	1608	1008



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.4	1.9
10°-20°	156.0	5.6
20°-30°	253.4	9.0
30°-40°	309.1	11.0
40°-50°	281.2	10.0
50°-60°	224.0	8.0
60°-70°	156.0	5.6
70°-80°	83.2	3.0
80°-90°	22.0	0.8
90°-100°	30.4	1.1
100°-110°	89.8	3.2
110°-120°	152.1	5.4
120°-130°	200.2	7.1
130°-140°	224.4	8.0
140°-150°	219.9	7.8
150°-160°	184.7	6.6
160°-170°	122.8	4.4
170°-180°	43.0	1.5
0°-30°	461.8	16.5
0°-40°	770.9	27.5
0°-60°	1276.0	45.5
0°-90°	1537.2	54.8
90°-120°	272.4	9.7
90°-150°	916.9	32.7
90°-180°	1267.0	45.2
0°-180°	2804.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	628	544	476	544	628	63
15°	784	521	373	521	784	224
25°	965	477	315	477	965	441
35°	774	414	270	414	774	474
45°	365	327	224	327	365	292
55°	225	231	183	231	225	203
65°	138	142	142	142	138	137
75°	68	69	87	69	68	73
85°	15	14	22	14	15	18
90°	8	0	8	0	8	5
95°	30	23	30	23	30	31
105°	88	81	88	81	88	93
115°	154	152	154	152	154	152
125°	224	222	224	222	224	200
135°	290	289	290	289	290	224
145°	352	350	352	350	352	220
155°	401	401	401	401	401	184
165°	435	436	435	436	435	123
175°	451	453	451	453	451	43
180°	454	454	454	454	454	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	575.8	575.1	574.3	572.9	574.0	570.8	569.4	566.8	563.6	562.5	561.2
5°	628.0	629.2	630.4	625.5	626.0	622.7	615.3	609.3	604.5	598.2	593.8
7.5°	690.9	688.2	687.9	684.8	679.4	675.0	667.3	657.4	647.8	636.9	627.9
10°	722.3	722.6	720.5	716.8	711.0	706.8	696.7	687.0	675.2	661.3	651.4
12.5°	746.0	747.0	744.3	739.3	736.5	727.2	719.2	707.7	693.7	682.6	667.5
15°	784.2	781.7	779.9	773.6	768.8	759.1	746.4	734.3	719.1	705.0	690.9
17.5°	821.1	823.2	819.7	814.0	798.9	787.6	770.6	754.1	735.1	716.2	699.4
20°	854.0	855.9	850.6	840.6	822.6	811.3	788.9	767.6	745.7	721.4	702.9
22.5°	895.1	893.6	886.4	871.3	855.7	834.8	810.5	784.6	757.1	729.7	705.1
25°	964.9	955.2	950.8	932.1	911.6	880.8	847.6	809.7	775.5	739.2	707.8
27.5°	1003.7	1000.6	995.7	982.7	961.1	928.2	889.0	842.8	794.6	748.8	707.6
30°	995.9	996.4	996.8	992.7	978.8	954.1	915.0	865.4	808.0	756.5	708.9
32.5°	927.1	935.5	943.6	953.1	957.0	952.2	927.8	882.9	823.9	765.4	708.2
35°	774.5	777.1	803.2	829.1	864.2	891.5	909.7	889.8	840.2	772.9	707.3
37.5°	603.9	616.4	634.5	663.7	714.4	759.8	818.2	845.0	829.0	775.4	705.7
40°	514.8	526.4	538.2	568.0	610.7	665.7	732.0	788.6	801.8	767.6	700.1
42.5°	446.1	455.2	468.3	490.7	526.4	575.1	638.5	712.5	758.0	745.1	688.5
45°	365.1	370.9	381.0	398.8	424.7	462.8	518.7	599.6	670.1	693.4	660.9
47.5°	312.5	312.5	320.4	332.6	351.3	383.7	425.1	488.4	563.7	619.4	616.8
50°	283.3	282.1	288.4	299.0	313.8	335.3	374.8	425.4	497.7	560.8	578.4
52.5°	258.1	258.3	262.1	270.0	282.4	300.7	330.2	375.9	437.6	502.4	535.5
55°	225.1	224.1	228.5	233.8	242.9	254.9	276.1	311.0	361.2	424.9	467.9
57.5°	194.7	197.3	199.0	202.7	210.2	218.3	236.2	261.8	301.6	356.3	401.7
60°	177.0	179.5	180.9	184.6	190.6	197.6	211.4	232.2	265.7	312.9	357.9
62.5°	161.1	163.1	163.6	166.9	171.8	178.5	189.4	206.9	233.4	274.6	318.7
65°	138.2	138.2	139.1	142.6	144.9	150.9	159.2	171.9	193.2	225.3	263.0
67.5°	116.1	117.2	117.0	118.5	120.6	125.3	131.2	141.7	157.5	180.9	211.1
70°	101.7	102.6	102.4	103.5	105.8	108.8	113.7	123.6	134.9	155.0	180.9
72.5°	88.7	89.1	88.5	90.0	91.4	94.0	99.5	104.8	115.3	132.3	153.6
75°	67.9	68.4	68.9	69.8	71.2	72.6	75.3	80.6	87.6	100.3	113.9
77.5°	50.9	50.0	51.2	51.0	51.8	52.9	55.3	58.1	63.8	71.9	82.4
80°	38.4	38.6	38.6	38.8	40.0	40.7	42.7	44.8	49.2	55.2	62.6
82.5°	28.0	28.6	28.2	28.7	29.6	30.1	31.3	33.0	35.5	40.3	45.6
85°	15.3	14.1	14.6	15.0	15.0	15.3	16.2	16.9	18.3	20.1	22.2
87.5°	6.1	6.5	6.6	6.5	6.7	6.6	7.3	7.2	7.7	8.2	8.8
90°	8.5	8.2	8.0	7.8	7.5	7.2	6.8	6.4	6.0	5.7	5.1
92.5°	16.7	16.5	16.3	16.2	16.0	15.6	15.1	14.6	14.1	13.6	12.9
95°	30.4	30.2	30.1	29.9	29.8	29.4	28.9	28.3	27.8	27.2	26.4
97.5°	46.1	46.0	45.9	45.8	45.7	45.4	44.9	44.4	43.9	43.3	42.2
100°	58.0	57.8	57.7	57.5	57.3	56.9	56.2	55.5	54.8	54.1	53.1
102.5°	69.8	69.6	69.4	69.2	69.0	68.5	67.7	66.9	66.2	65.4	64.9
105°	87.7	87.4	87.2	86.9	86.7	86.4	85.9	85.4	84.9	84.5	84.0
107.5°	105.9	105.9	105.9	105.9	106.0	105.8	105.6	105.4	105.1	104.9	104.5
110°	119.5	119.5	119.6	119.7	119.8	119.7	119.5	119.2	119.0	118.8	118.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	132.8	132.9	133.0	133.2	133.3	133.3	133.2	133.1	133.0	132.9	132.6
115°	153.7	153.8	153.9	154.0	154.1	154.1	154.2	154.3	154.4	154.5	154.3
117.5°	174.2	174.6	174.9	175.2	175.5	175.6	175.6	175.5	175.4	175.4	175.2
120°	188.4	188.7	189.0	189.3	189.6	189.8	189.8	189.8	189.8	189.8	189.7
122.5°	202.5	202.8	203.0	203.3	203.5	203.7	203.7	203.8	203.9	203.9	203.7
125°	223.7	223.8	223.9	224.0	224.0	224.2	224.3	224.5	224.6	224.8	224.7
127.5°	244.1	244.2	244.4	244.6	244.7	244.8	244.9	245.0	245.1	245.1	245.1
130°	257.7	257.8	258.0	258.1	258.3	258.4	258.5	258.6	258.6	258.7	258.6
132.5°	270.4	270.6	270.8	271.0	271.3	271.4	271.5	271.6	271.6	271.7	271.8
135°	290.2	290.5	290.8	291.1	291.4	291.6	291.6	291.6	291.6	291.6	291.5
137.5°	309.5	309.9	310.3	310.7	311.1	311.3	311.2	311.1	311.0	310.9	310.7
140°	322.0	322.4	322.8	323.2	323.6	323.7	323.5	323.4	323.2	323.0	322.8
142.5°	333.9	334.3	334.6	335.0	335.4	335.6	335.5	335.4	335.3	335.2	334.9
145°	351.7	351.9	352.1	352.4	352.6	352.7	352.7	352.7	352.7	352.7	352.5
147.5°	366.9	367.4	367.9	368.5	369.0	369.2	369.0	368.8	368.6	368.4	368.2
150°	378.2	378.3	378.5	378.7	378.8	378.9	378.9	378.9	378.9	378.9	378.6
152.5°	387.5	387.8	388.1	388.4	388.6	388.7	388.5	388.3	388.1	387.9	387.8
155°	400.8	401.2	401.6	402.0	402.4	402.4	402.1	401.8	401.5	401.2	401.1
157.5°	411.9	412.4	412.9	413.5	414.0	414.1	413.8	413.4	413.1	412.8	412.7
160°	419.5	419.9	420.3	420.7	421.1	421.1	420.8	420.5	420.2	419.9	419.8
162.5°	426.0	426.5	426.9	427.4	427.9	427.9	427.5	427.1	426.8	426.4	426.4
165°	434.7	435.2	435.7	436.1	436.6	436.7	436.4	436.1	435.8	435.4	435.4
167.5°	441.7	442.1	442.6	443.1	443.6	443.6	443.1	442.7	442.2	441.7	441.7
170°	445.3	445.9	446.4	447.0	447.5	447.6	447.1	446.6	446.2	445.7	445.7
172.5°	448.4	448.9	449.4	449.9	450.4	450.4	449.9	449.5	449.0	448.5	448.5
175°	451.3	451.9	452.4	453.0	453.5	453.6	453.1	452.6	452.2	451.7	451.7
177.5°	453.0	453.5	453.9	454.4	454.8	454.8	454.5	454.1	453.7	453.3	453.4
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	560.1	558.8	557.3	554.7	551.6	549.9	547.4	545.7	542.4	539.6	536.6
5°	588.5	582.5	577.0	569.8	562.0	556.9	550.9	544.2	537.2	530.1	522.2
7.5°	618.0	607.3	595.8	583.4	571.2	560.0	549.3	538.9	529.1	517.2	507.2
10°	637.7	624.3	610.0	593.2	576.7	562.4	547.9	535.2	522.2	508.4	496.1
12.5°	657.5	639.7	619.4	600.9	581.2	563.9	546.8	530.5	514.3	498.9	484.6
15°	671.5	655.8	637.1	610.7	588.5	564.7	542.1	521.1	501.4	484.3	466.3
17.5°	680.7	660.4	640.3	615.1	586.0	559.4	533.7	509.6	487.5	465.8	448.5
20°	682.3	661.5	640.5	615.8	586.0	555.5	529.8	501.0	477.2	454.7	433.5
22.5°	681.8	658.2	635.3	609.9	580.8	552.7	521.7	492.3	466.4	444.4	422.2
25°	676.6	651.4	622.7	597.1	568.4	538.6	507.2	476.7	450.4	425.2	403.2
27.5°	672.2	639.6	607.1	577.2	549.5	522.2	492.1	460.9	431.7	406.2	385.5
30°	666.9	631.0	594.5	563.3	534.9	508.4	479.9	449.4	418.9	394.0	371.8
32.5°	662.1	620.3	581.8	547.8	517.7	491.9	465.7	436.7	406.7	381.4	359.2
35°	652.8	604.5	560.3	522.0	489.9	463.3	441.3	414.3	386.8	362.3	341.1
37.5°	641.0	583.7	536.3	496.1	460.9	432.9	412.5	391.7	365.3	341.7	322.5
40°	631.7	568.9	518.7	477.6	441.1	412.0	393.0	373.4	351.5	329.5	309.2
42.5°	620.1	555.6	501.0	456.7	420.6	392.2	372.3	355.7	336.3	315.8	297.0
45°	598.7	531.5	472.3	424.7	388.2	360.2	339.7	327.2	312.6	293.2	277.3
47.5°	567.2	502.5	441.3	392.2	354.5	328.6	309.3	297.3	287.1	272.7	258.2
50°	539.3	480.9	418.9	370.2	332.5	306.4	288.6	277.7	269.0	257.9	245.6
52.5°	508.1	453.7	396.9	348.7	311.4	285.7	268.3	258.7	251.4	243.5	231.4
55°	458.4	412.2	359.5	313.8	279.4	254.2	238.9	230.6	224.6	218.6	211.2
57.5°	403.8	367.6	321.0	279.1	247.4	224.5	210.3	202.2	197.5	194.4	190.1
60°	365.3	334.4	294.2	256.0	225.1	204.7	190.9	184.6	180.7	178.2	174.9
62.5°	329.6	304.2	267.0	232.2	205.1	185.9	173.5	167.4	163.7	162.4	159.8
65°	277.1	257.4	226.7	197.8	174.7	158.3	147.9	142.1	139.8	138.4	138.6
67.5°	225.2	213.3	188.6	164.0	145.5	131.8	123.4	119.0	117.8	116.0	116.0
70°	193.6	184.6	163.8	142.3	125.9	115.3	107.9	103.3	102.1	101.2	101.0
72.5°	165.7	157.8	139.8	122.6	107.8	98.5	92.4	89.6	87.7	87.2	87.1
75°	124.5	120.2	105.8	92.2	82.0	75.6	71.4	68.9	67.5	67.2	67.5
77.5°	88.5	84.7	75.6	65.9	59.5	54.6	51.1	50.2	48.7	48.7	48.5
80°	66.5	64.0	58.2	50.6	45.3	41.1	39.3	37.7	37.2	36.5	37.2
82.5°	48.2	45.5	41.6	36.7	32.3	29.9	28.0	27.5	27.2	26.9	27.0
85°	23.8	24.0	21.7	18.0	16.2	14.8	13.6	13.6	13.4	13.2	13.4
87.5°	9.0	8.6	7.7	7.0	6.0	5.3	5.0	5.1	4.6	4.6	4.9
90°	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4	1.0	1.6	2.2
92.5°	12.2	11.5	10.9	10.3	9.9	9.4	9.0	8.6	9.0	9.4	9.9
95°	25.6	24.9	24.1	23.6	23.4	23.3	23.1	23.0	23.1	23.3	23.4
97.5°	41.2	40.1	39.0	38.4	38.4	38.3	38.2	38.2	38.2	38.3	38.4
100°	52.0	51.0	50.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
102.5°	64.3	63.8	63.3	62.9	62.6	62.3	62.0	61.6	62.0	62.3	62.6
105°	83.5	83.1	82.6	82.2	81.8	81.4	81.0	80.6	81.0	81.4	81.8
107.5°	104.2	103.8	103.5	103.1	102.7	102.3	101.9	101.5	101.9	102.3	102.7
110°	118.3	118.0	117.8	117.5	117.1	116.7	116.3	115.9	116.3	116.7	117.1





TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	132.3	132.0	131.7	131.4	131.2	131.0	130.8	130.6	130.8	131.0	131.2
115°	154.1	154.0	153.8	153.6	153.3	153.0	152.6	152.3	152.6	153.0	153.3
117.5°	175.1	175.0	174.8	174.7	174.5	174.4	174.2	174.1	174.2	174.4	174.5
120°	189.6	189.6	189.5	189.2	188.9	188.5	188.1	187.7	188.1	188.5	188.9
122.5°	203.5	203.3	203.1	202.9	202.8	202.7	202.5	202.4	202.5	202.7	202.8
125°	224.6	224.6	224.5	224.2	223.7	223.3	222.8	222.3	222.8	223.3	223.7
127.5°	245.0	244.9	244.8	244.6	244.3	244.1	243.8	243.5	243.8	244.1	244.3
130°	258.4	258.2	258.1	257.8	257.4	257.0	256.6	256.2	256.6	257.0	257.4
132.5°	271.8	271.8	271.9	271.5	270.9	270.3	269.6	269.0	269.6	270.3	270.9
135°	291.4	291.4	291.3	291.0	290.5	290.1	289.6	289.1	289.6	290.1	290.5
137.5°	310.5	310.4	310.2	309.9	309.4	309.0	308.5	308.1	308.5	309.0	309.4
140°	322.6	322.3	322.1	321.8	321.4	321.0	320.6	320.2	320.6	321.0	321.4
142.5°	334.6	334.3	334.0	333.7	333.4	333.0	332.7	332.4	332.7	333.0	333.4
145°	352.3	352.0	351.8	351.5	351.2	350.9	350.6	350.3	350.6	350.9	351.2
147.5°	368.1	367.9	367.7	367.5	367.3	367.1	367.0	366.8	367.0	367.1	367.3
150°	378.3	377.9	377.6	377.5	377.6	377.7	377.8	377.8	377.8	377.7	377.6
152.5°	387.7	387.6	387.4	387.3	387.2	387.1	387.0	386.9	387.0	387.1	387.2
155°	401.0	400.9	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
157.5°	412.7	412.6	412.5	412.6	412.7	412.9	413.1	413.2	413.1	412.9	412.7
160°	419.7	419.7	419.6	419.7	419.9	420.1	420.4	420.6	420.4	420.1	419.9
162.5°	426.4	426.3	426.3	426.4	426.6	426.8	426.9	427.1	426.9	426.8	426.6
165°	435.3	435.2	435.1	435.2	435.3	435.5	435.6	435.8	435.6	435.5	435.3
167.5°	441.7	441.7	441.7	441.9	442.2	442.5	442.8	443.1	442.8	442.5	442.2
170°	445.7	445.7	445.7	445.8	446.2	446.5	446.8	447.1	446.8	446.5	446.2
172.5°	448.5	448.5	448.5	448.7	449.0	449.3	449.6	449.9	449.6	449.3	449.0
175°	451.7	451.7	451.7	451.9	452.2	452.5	452.8	453.1	452.8	452.5	452.2
177.5°	453.5	453.5	453.6	453.7	454.0	454.2	454.5	454.7	454.5	454.2	454.0
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	535.0	532.9	531.3	527.6	525.5	522.8	520.6	523.0	520.4	521.5	519.8
5°	518.3	511.8	507.2	500.5	494.7	489.4	485.5	484.8	482.9	482.0	479.2
7.5°	498.2	490.1	482.2	473.4	466.0	458.5	453.7	449.7	447.1	443.6	441.2
10°	486.4	475.5	466.3	455.7	446.4	438.3	431.9	428.6	425.6	421.2	419.6
12.5°	471.8	460.6	449.3	437.9	429.0	420.0	414.5	409.6	407.5	402.6	402.1
15°	454.3	437.4	426.3	414.8	402.5	395.1	390.5	385.2	382.9	379.4	376.9
17.5°	433.4	418.3	404.5	392.5	382.0	375.8	370.0	366.4	362.4	360.1	356.0
20°	418.2	403.9	390.0	377.3	369.2	362.1	357.5	354.0	349.8	348.7	344.5
22.5°	405.5	389.7	376.4	365.7	356.9	348.8	343.8	341.4	338.6	335.0	334.2
25°	384.7	368.3	357.0	346.4	338.5	331.1	327.7	324.7	321.9	319.3	318.4
27.5°	366.8	352.1	338.7	329.1	322.2	315.5	312.5	308.8	306.8	304.7	302.2
30°	354.2	339.2	327.4	318.2	310.8	304.8	301.5	299.0	297.2	295.3	293.9
32.5°	341.3	327.4	316.0	306.9	299.5	295.0	292.1	290.3	288.3	286.1	284.3
35°	324.2	308.9	297.8	290.0	284.2	280.7	277.5	275.9	273.6	273.6	271.7
37.5°	304.9	291.7	281.9	274.8	269.6	266.5	263.0	261.9	260.4	259.4	258.8
40°	293.5	281.2	272.0	264.8	259.3	256.7	253.9	252.1	251.2	250.0	249.6
42.5°	281.6	269.9	261.1	254.5	249.6	247.5	244.9	243.6	241.7	240.2	239.9
45°	263.6	252.3	244.2	238.9	234.8	232.2	230.6	227.8	226.9	225.1	224.8
47.5°	246.6	235.7	227.8	223.4	219.8	217.7	215.2	212.4	211.3	210.4	210.3
50°	233.8	223.9	216.5	212.4	208.9	205.9	203.3	201.5	200.8	200.8	201.3
52.5°	220.9	212.4	206.2	201.1	197.8	194.6	192.2	191.1	190.1	191.2	192.0
55°	202.0	193.4	188.8	183.9	180.7	177.0	175.8	175.4	174.7	176.5	177.5
57.5°	181.9	175.9	170.5	165.7	162.8	160.6	159.1	158.8	160.1	161.0	164.0
60°	169.1	162.2	157.4	153.7	150.2	148.8	148.3	147.9	148.8	151.3	155.3
62.5°	155.1	149.5	144.2	141.5	138.9	136.6	136.5	136.8	138.6	141.6	145.5
65°	134.5	129.6	126.2	122.9	120.8	119.5	119.9	120.8	122.9	126.9	131.2
67.5°	113.5	110.2	107.1	104.5	102.5	102.5	103.0	104.4	106.8	111.3	115.3
70°	100.1	96.4	93.8	92.7	91.0	90.1	91.5	93.8	95.9	100.1	103.5
72.5°	86.6	83.4	81.4	80.6	79.9	79.2	79.7	82.2	85.0	89.1	93.2
75°	66.5	65.4	64.0	63.1	62.4	62.9	63.3	65.6	67.9	72.3	76.9
77.5°	48.6	47.4	46.5	46.3	45.9	46.2	47.5	49.2	51.4	54.6	58.1
80°	36.7	36.3	35.8	35.6	35.6	35.8	37.7	38.8	40.9	43.9	46.7
82.5°	26.8	26.5	26.4	26.3	26.5	26.6	27.7	29.2	30.9	33.2	35.6
85°	14.1	13.6	14.3	14.6	14.1	14.8	15.3	16.2	16.9	18.0	19.2
87.5°	5.2	5.7	5.6	5.9	6.0	6.5	6.4	7.2	7.7	8.1	8.0
90°	2.9	3.5	4.0	4.6	5.1	5.7	6.0	6.4	6.8	7.2	7.5
92.5°	10.3	10.9	11.5	12.2	12.9	13.6	14.1	14.6	15.1	15.6	16.0
95°	23.6	24.1	24.9	25.6	26.4	27.2	27.8	28.3	28.9	29.4	29.8
97.5°	38.4	39.0	40.1	41.2	42.2	43.3	43.9	44.4	44.9	45.4	45.7
100°	49.5	50.0	51.0	52.0	53.1	54.1	54.8	55.5	56.2	56.9	57.3
102.5°	62.9	63.3	63.8	64.3	64.9	65.4	66.2	66.9	67.7	68.5	69.0
105°	82.2	82.6	83.1	83.5	84.0	84.5	84.9	85.4	85.9	86.4	86.7
107.5°	103.1	103.5	103.8	104.2	104.5	104.9	105.1	105.4	105.6	105.8	106.0
110°	117.5	117.8	118.0	118.3	118.5	118.8	119.0	119.2	119.5	119.7	119.8



TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	131.4	131.7	132.0	132.3	132.6	132.9	133.0	133.1	133.2	133.3	133.3
115°	153.6	153.8	154.0	154.1	154.3	154.5	154.4	154.3	154.2	154.1	154.1
117.5°	174.7	174.8	175.0	175.1	175.2	175.4	175.4	175.5	175.6	175.6	175.5
120°	189.2	189.5	189.6	189.6	189.7	189.8	189.8	189.8	189.8	189.8	189.6
122.5°	202.9	203.1	203.3	203.5	203.7	203.9	203.9	203.8	203.7	203.7	203.5
125°	224.2	224.5	224.6	224.6	224.7	224.8	224.6	224.5	224.3	224.2	224.0
127.5°	244.6	244.8	244.9	245.0	245.1	245.1	245.1	245.0	244.9	244.8	244.7
130°	257.8	258.1	258.2	258.4	258.6	258.7	258.6	258.6	258.5	258.4	258.3
132.5°	271.5	271.9	271.8	271.8	271.8	271.7	271.6	271.6	271.5	271.4	271.3
135°	291.0	291.3	291.4	291.4	291.5	291.6	291.6	291.6	291.6	291.6	291.4
137.5°	309.9	310.2	310.4	310.5	310.7	310.9	311.0	311.1	311.2	311.3	311.1
140°	321.8	322.1	322.3	322.6	322.8	323.0	323.2	323.4	323.5	323.7	323.6
142.5°	333.7	334.0	334.3	334.6	334.9	335.2	335.3	335.4	335.5	335.6	335.4
145°	351.5	351.8	352.0	352.3	352.5	352.7	352.7	352.7	352.7	352.7	352.6
147.5°	367.5	367.7	367.9	368.1	368.2	368.4	368.6	368.8	369.0	369.2	369.0
150°	377.5	377.6	377.9	378.3	378.6	378.9	378.9	378.9	378.9	378.9	378.8
152.5°	387.3	387.4	387.6	387.7	387.8	387.9	388.1	388.3	388.5	388.7	388.6
155°	400.8	400.8	400.9	401.0	401.1	401.2	401.5	401.8	402.1	402.4	402.4
157.5°	412.6	412.5	412.6	412.7	412.7	412.8	413.1	413.4	413.8	414.1	414.0
160°	419.7	419.6	419.7	419.7	419.8	419.9	420.2	420.5	420.8	421.1	421.1
162.5°	426.4	426.3	426.3	426.4	426.4	426.4	426.8	427.1	427.5	427.9	427.9
165°	435.2	435.1	435.2	435.3	435.4	435.4	435.8	436.1	436.4	436.7	436.6
167.5°	441.9	441.7	441.7	441.7	441.7	441.7	442.2	442.7	443.1	443.6	443.6
170°	445.8	445.7	445.7	445.7	445.7	445.7	446.2	446.6	447.1	447.6	447.5
172.5°	448.7	448.5	448.5	448.5	448.5	448.5	449.0	449.5	449.9	450.4	450.4
175°	451.9	451.7	451.7	451.7	451.7	451.7	452.2	452.6	453.1	453.6	453.5
177.5°	453.7	453.6	453.5	453.5	453.4	453.3	453.7	454.1	454.5	454.8	454.8
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	518.7	520.0	518.9	520.4	518.9	520.0	518.7	519.8	521.5	520.4	523.0
5°	478.1	476.0	477.4	476.5	477.4	476.0	478.1	479.2	482.0	482.9	484.8
7.5°	440.6	438.6	436.3	435.2	436.3	438.6	440.6	441.2	443.6	447.1	449.7
10°	417.1	414.5	414.3	412.7	414.3	414.5	417.1	419.6	421.2	425.6	428.6
12.5°	399.9	397.5	394.9	394.2	394.9	397.5	399.9	402.1	402.6	407.5	409.6
15°	375.5	373.6	372.0	373.4	372.0	373.6	375.5	376.9	379.4	382.9	385.2
17.5°	355.2	353.7	353.4	351.7	353.4	353.7	355.2	356.0	360.1	362.4	366.4
20°	342.4	341.3	341.8	338.7	341.8	341.3	342.4	344.5	348.7	349.8	354.0
22.5°	332.3	330.0	329.7	329.1	329.7	330.0	332.3	334.2	335.0	338.6	341.4
25°	316.3	315.2	314.0	315.2	314.0	315.2	316.3	318.4	319.3	321.9	324.7
27.5°	302.4	301.0	300.7	300.9	300.7	301.0	302.4	302.2	304.7	306.8	308.8
30°	293.9	291.6	291.8	291.6	291.8	291.6	293.9	293.9	295.3	297.2	299.0
32.5°	284.7	283.1	282.8	282.4	282.8	283.1	284.7	284.3	286.1	288.3	290.3
35°	271.0	271.0	269.9	269.9	269.9	271.0	271.0	271.7	273.6	273.6	275.9
37.5°	258.2	258.0	257.3	257.4	257.3	258.0	258.2	258.8	259.4	260.4	261.9
40°	248.6	248.4	247.7	246.3	247.7	248.4	248.6	249.6	250.0	251.2	252.1
42.5°	239.4	238.6	238.3	237.8	238.3	238.6	239.4	239.9	240.2	241.7	243.6
45°	224.8	224.8	224.4	224.1	224.4	224.8	224.8	224.8	225.1	226.9	227.8
47.5°	210.7	211.1	212.0	211.8	212.0	211.1	210.7	210.3	210.4	211.3	212.4
50°	202.2	202.4	203.1	203.3	203.1	202.4	202.2	201.3	200.8	200.8	201.5
52.5°	192.8	194.1	195.0	194.8	195.0	194.1	192.8	192.0	191.2	190.1	191.1
55°	179.5	181.2	182.8	183.0	182.8	181.2	179.5	177.5	176.5	174.7	175.4
57.5°	166.5	168.7	170.4	171.0	170.4	168.7	166.5	164.0	161.0	160.1	158.8
60°	157.6	160.6	162.7	163.6	162.7	160.6	157.6	155.3	151.3	148.8	147.9
62.5°	149.1	152.5	154.5	154.7	154.5	152.5	149.1	145.5	141.6	138.6	136.8
65°	135.2	138.6	140.5	141.9	140.5	138.6	135.2	131.2	126.9	122.9	120.8
67.5°	120.2	123.7	125.7	126.8	125.7	123.7	120.2	115.3	111.3	106.8	104.4
70°	109.3	112.8	115.5	116.5	115.5	112.8	109.3	103.5	100.1	95.9	93.8
72.5°	98.6	101.7	103.9	105.0	103.9	101.7	98.6	93.2	89.1	85.0	82.2
75°	79.9	84.1	86.2	87.3	86.2	84.1	79.9	76.9	72.3	67.9	65.6
77.5°	61.6	65.4	66.7	67.3	66.7	65.4	61.6	58.1	54.6	51.4	49.2
80°	49.4	51.8	53.4	53.6	53.4	51.8	49.4	46.7	43.9	40.9	38.8
82.5°	38.0	39.9	40.4	41.0	40.4	39.9	38.0	35.6	33.2	30.9	29.2
85°	20.8	21.7	22.0	21.7	22.0	21.7	20.8	19.2	18.0	16.9	16.2
87.5°	8.4	8.3	8.3	8.7	8.3	8.3	8.4	8.0	8.1	7.7	7.2
90°	7.8	8.0	8.2	8.5	8.2	8.0	7.8	7.5	7.2	6.8	6.4
92.5°	16.2	16.3	16.5	16.7	16.5	16.3	16.2	16.0	15.6	15.1	14.6
95°	29.9	30.1	30.2	30.4	30.2	30.1	29.9	29.8	29.4	28.9	28.3
97.5°	45.8	45.9	46.0	46.1	46.0	45.9	45.8	45.7	45.4	44.9	44.4
100°	57.5	57.7	57.8	58.0	57.8	57.7	57.5	57.3	56.9	56.2	55.5
102.5°	69.2	69.4	69.6	69.8	69.6	69.4	69.2	69.0	68.5	67.7	66.9
105°	86.9	87.2	87.4	87.7	87.4	87.2	86.9	86.7	86.4	85.9	85.4
107.5°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	106.0	105.8	105.6	105.4
110°	119.7	119.6	119.5	119.5	119.5	119.6	119.7	119.8	119.7	119.5	119.2



TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	133.2	133.0	132.9	132.8	132.9	133.0	133.2	133.3	133.3	133.2	133.1
115°	154.0	153.9	153.8	153.7	153.8	153.9	154.0	154.1	154.1	154.2	154.3
117.5°	175.2	174.9	174.6	174.2	174.6	174.9	175.2	175.5	175.6	175.6	175.5
120°	189.3	189.0	188.7	188.4	188.7	189.0	189.3	189.6	189.8	189.8	189.8
122.5°	203.3	203.0	202.8	202.5	202.8	203.0	203.3	203.5	203.7	203.7	203.8
125°	224.0	223.9	223.8	223.7	223.8	223.9	224.0	224.0	224.2	224.3	224.5
127.5°	244.6	244.4	244.2	244.1	244.2	244.4	244.6	244.7	244.8	244.9	245.0
130°	258.1	258.0	257.8	257.7	257.8	258.0	258.1	258.3	258.4	258.5	258.6
132.5°	271.0	270.8	270.6	270.4	270.6	270.8	271.0	271.3	271.4	271.5	271.6
135°	291.1	290.8	290.5	290.2	290.5	290.8	291.1	291.4	291.6	291.6	291.6
137.5°	310.7	310.3	309.9	309.5	309.9	310.3	310.7	311.1	311.3	311.2	311.1
140°	323.2	322.8	322.4	322.0	322.4	322.8	323.2	323.6	323.7	323.5	323.4
142.5°	335.0	334.6	334.3	333.9	334.3	334.6	335.0	335.4	335.6	335.5	335.4
145°	352.4	352.1	351.9	351.7	351.9	352.1	352.4	352.6	352.7	352.7	352.7
147.5°	368.5	367.9	367.4	366.9	367.4	367.9	368.5	369.0	369.2	369.0	368.8
150°	378.7	378.5	378.3	378.2	378.3	378.5	378.7	378.8	378.9	378.9	378.9
152.5°	388.4	388.1	387.8	387.5	387.8	388.1	388.4	388.6	388.7	388.5	388.3
155°	402.0	401.6	401.2	400.8	401.2	401.6	402.0	402.4	402.4	402.1	401.8
157.5°	413.5	412.9	412.4	411.9	412.4	412.9	413.5	414.0	414.1	413.8	413.4
160°	420.7	420.3	419.9	419.5	419.9	420.3	420.7	421.1	421.1	420.8	420.5
162.5°	427.4	426.9	426.5	426.0	426.5	426.9	427.4	427.9	427.9	427.5	427.1
165°	436.1	435.7	435.2	434.7	435.2	435.7	436.1	436.6	436.7	436.4	436.1
167.5°	443.1	442.6	442.1	441.7	442.1	442.6	443.1	443.6	443.6	443.1	442.7
170°	447.0	446.4	445.9	445.3	445.9	446.4	447.0	447.5	447.6	447.1	446.6
172.5°	449.9	449.4	448.9	448.4	448.9	449.4	449.9	450.4	450.4	449.9	449.5
175°	453.0	452.4	451.9	451.3	451.9	452.4	453.0	453.5	453.6	453.1	452.6
177.5°	454.4	453.9	453.5	453.0	453.5	453.9	454.4	454.8	454.8	454.5	454.1
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	520.6	522.8	525.5	527.6	531.3	532.9	535.0	536.6	539.6	542.4	545.7
5°	485.5	489.4	494.7	500.5	507.2	511.8	518.3	522.2	530.1	537.2	544.2
7.5°	453.7	458.5	466.0	473.4	482.2	490.1	498.2	507.2	517.2	529.1	538.9
10°	431.9	438.3	446.4	455.7	466.3	475.5	486.4	496.1	508.4	522.2	535.2
12.5°	414.5	420.0	429.0	437.9	449.3	460.6	471.8	484.6	498.9	514.3	530.5
15°	390.5	395.1	402.5	414.8	426.3	437.4	454.3	466.3	484.3	501.4	521.1
17.5°	370.0	375.8	382.0	392.5	404.5	418.3	433.4	448.5	465.8	487.5	509.6
20°	357.5	362.1	369.2	377.3	390.0	403.9	418.2	433.5	454.7	477.2	501.0
22.5°	343.8	348.8	356.9	365.7	376.4	389.7	405.5	422.2	444.4	466.4	492.3
25°	327.7	331.1	338.5	346.4	357.0	368.3	384.7	403.2	425.2	450.4	476.7
27.5°	312.5	315.5	322.2	329.1	338.7	352.1	366.8	385.5	406.2	431.7	460.9
30°	301.5	304.8	310.8	318.2	327.4	339.2	354.2	371.8	394.0	418.9	449.4
32.5°	292.1	295.0	299.5	306.9	316.0	327.4	341.3	359.2	381.4	406.7	436.7
35°	277.5	280.7	284.2	290.0	297.8	308.9	324.2	341.1	362.3	386.8	414.3
37.5°	263.0	266.5	269.6	274.8	281.9	291.7	304.9	322.5	341.7	365.3	391.7
40°	253.9	256.7	259.3	264.8	272.0	281.2	293.5	309.2	329.5	351.5	373.4
42.5°	244.9	247.5	249.6	254.5	261.1	269.9	281.6	297.0	315.8	336.3	355.7
45°	230.6	232.2	234.8	238.9	244.2	252.3	263.6	277.3	293.2	312.6	327.2
47.5°	215.2	217.7	219.8	223.4	227.8	235.7	246.6	258.2	272.7	287.1	297.3
50°	203.3	205.9	208.9	212.4	216.5	223.9	233.8	245.6	257.9	269.0	277.7
52.5°	192.2	194.6	197.8	201.1	206.2	212.4	220.9	231.4	243.5	251.4	258.7
55°	175.8	177.0	180.7	183.9	188.8	193.4	202.0	211.2	218.6	224.6	230.6
57.5°	159.1	160.6	162.8	165.7	170.5	175.9	181.9	190.1	194.4	197.5	202.2
60°	148.3	148.8	150.2	153.7	157.4	162.2	169.1	174.9	178.2	180.7	184.6
62.5°	136.5	136.6	138.9	141.5	144.2	149.5	155.1	159.8	162.4	163.7	167.4
65°	119.9	119.5	120.8	122.9	126.2	129.6	134.5	138.6	138.4	139.8	142.1
67.5°	103.0	102.5	102.5	104.5	107.1	110.2	113.5	116.0	116.0	117.8	119.0
70°	91.5	90.1	91.0	92.7	93.8	96.4	100.1	101.0	101.2	102.1	103.3
72.5°	79.7	79.2	79.9	80.6	81.4	83.4	86.6	87.1	87.2	87.7	89.6
75°	63.3	62.9	62.4	63.1	64.0	65.4	66.5	67.5	67.2	67.5	68.9
77.5°	47.5	46.2	45.9	46.3	46.5	47.4	48.6	48.5	48.7	48.7	50.2
80°	37.7	35.8	35.6	35.6	35.8	36.3	36.7	37.2	36.5	37.2	37.7
82.5°	27.7	26.6	26.5	26.3	26.4	26.5	26.8	27.0	26.9	27.2	27.5
85°	15.3	14.8	14.1	14.6	14.3	13.6	14.1	13.4	13.2	13.4	13.6
87.5°	6.4	6.5	6.0	5.9	5.6	5.7	5.2	4.9	4.6	4.6	5.1
90°	6.0	5.7	5.1	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4
92.5°	14.1	13.6	12.9	12.2	11.5	10.9	10.3	9.9	9.4	9.0	8.6
95°	27.8	27.2	26.4	25.6	24.9	24.1	23.6	23.4	23.3	23.1	23.0
97.5°	43.9	43.3	42.2	41.2	40.1	39.0	38.4	38.4	38.3	38.2	38.2
100°	54.8	54.1	53.1	52.0	51.0	50.0	49.5	49.5	49.5	49.5	49.5
102.5°	66.2	65.4	64.9	64.3	63.8	63.3	62.9	62.6	62.3	62.0	61.6
105°	84.9	84.5	84.0	83.5	83.1	82.6	82.2	81.8	81.4	81.0	80.6
107.5°	105.1	104.9	104.5	104.2	103.8	103.5	103.1	102.7	102.3	101.9	101.5
110°	119.0	118.8	118.5	118.3	118.0	117.8	117.5	117.1	116.7	116.3	115.9



TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	133.0	132.9	132.6	132.3	132.0	131.7	131.4	131.2	131.0	130.8	130.6
115°	154.4	154.5	154.3	154.1	154.0	153.8	153.6	153.3	153.0	152.6	152.3
117.5°	175.4	175.4	175.2	175.1	175.0	174.8	174.7	174.5	174.4	174.2	174.1
120°	189.8	189.8	189.7	189.6	189.6	189.5	189.2	188.9	188.5	188.1	187.7
122.5°	203.9	203.9	203.7	203.5	203.3	203.1	202.9	202.8	202.7	202.5	202.4
125°	224.6	224.8	224.7	224.6	224.6	224.5	224.2	223.7	223.3	222.8	222.3
127.5°	245.1	245.1	245.1	245.0	244.9	244.8	244.6	244.3	244.1	243.8	243.5
130°	258.6	258.7	258.6	258.4	258.2	258.1	257.8	257.4	257.0	256.6	256.2
132.5°	271.6	271.7	271.8	271.8	271.8	271.9	271.5	270.9	270.3	269.6	269.0
135°	291.6	291.6	291.5	291.4	291.4	291.3	291.0	290.5	290.1	289.6	289.1
137.5°	311.0	310.9	310.7	310.5	310.4	310.2	309.9	309.4	309.0	308.5	308.1
140°	323.2	323.0	322.8	322.6	322.3	322.1	321.8	321.4	321.0	320.6	320.2
142.5°	335.3	335.2	334.9	334.6	334.3	334.0	333.7	333.4	333.0	332.7	332.4
145°	352.7	352.7	352.5	352.3	352.0	351.8	351.5	351.2	350.9	350.6	350.3
147.5°	368.6	368.4	368.2	368.1	367.9	367.7	367.5	367.3	367.1	367.0	366.8
150°	378.9	378.9	378.6	378.3	377.9	377.6	377.5	377.6	377.7	377.8	377.8
152.5°	388.1	387.9	387.8	387.7	387.6	387.4	387.3	387.2	387.1	387.0	386.9
155°	401.5	401.2	401.1	401.0	400.9	400.8	400.8	400.8	400.8	400.8	400.8
157.5°	413.1	412.8	412.7	412.7	412.6	412.5	412.6	412.7	412.9	413.1	413.2
160°	420.2	419.9	419.8	419.7	419.7	419.6	419.7	419.9	420.1	420.4	420.6
162.5°	426.8	426.4	426.4	426.4	426.3	426.3	426.4	426.6	426.8	426.9	427.1
165°	435.8	435.4	435.4	435.3	435.2	435.1	435.2	435.3	435.5	435.6	435.8
167.5°	442.2	441.7	441.7	441.7	441.7	441.7	441.9	442.2	442.5	442.8	443.1
170°	446.2	445.7	445.7	445.7	445.7	445.7	445.8	446.2	446.5	446.8	447.1
172.5°	449.0	448.5	448.5	448.5	448.5	448.5	448.7	449.0	449.3	449.6	449.9
175°	452.2	451.7	451.7	451.7	451.7	451.7	451.9	452.2	452.5	452.8	453.1
177.5°	453.7	453.3	453.4	453.5	453.5	453.6	453.7	454.0	454.2	454.5	454.7
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	547.4	549.9	551.6	554.7	557.3	558.8	560.1	561.2	562.5	563.6	566.8
5°	550.9	556.9	562.0	569.8	577.0	582.5	588.5	593.8	598.2	604.5	609.3
7.5°	549.3	560.0	571.2	583.4	595.8	607.3	618.0	627.9	636.9	647.8	657.4
10°	547.9	562.4	576.7	593.2	610.0	624.3	637.7	651.4	661.3	675.2	687.0
12.5°	546.8	563.9	581.2	600.9	619.4	639.7	657.5	667.5	682.6	693.7	707.7
15°	542.1	564.7	588.5	610.7	637.1	655.8	671.5	690.9	705.0	719.1	734.3
17.5°	533.7	559.4	586.0	615.1	640.3	660.4	680.7	699.4	716.2	735.1	754.1
20°	529.8	555.5	586.0	615.8	640.5	661.5	682.3	702.9	721.4	745.7	767.6
22.5°	521.7	552.7	580.8	609.9	635.3	658.2	681.8	705.1	729.7	757.1	784.6
25°	507.2	538.6	568.4	597.1	622.7	651.4	676.6	707.8	739.2	775.5	809.7
27.5°	492.1	522.2	549.5	577.2	607.1	639.6	672.2	707.6	748.8	794.6	842.8
30°	479.9	508.4	534.9	563.3	594.5	631.0	666.9	708.9	756.5	808.0	865.4
32.5°	465.7	491.9	517.7	547.8	581.8	620.3	662.1	708.2	765.4	823.9	882.9
35°	441.3	463.3	489.9	522.0	560.3	604.5	652.8	707.3	772.9	840.2	889.8
37.5°	412.5	432.9	460.9	496.1	536.3	583.7	641.0	705.7	775.4	829.0	845.0
40°	393.0	412.0	441.1	477.6	518.7	568.9	631.7	700.1	767.6	801.8	788.6
42.5°	372.3	392.2	420.6	456.7	501.0	555.6	620.1	688.5	745.1	758.0	712.5
45°	339.7	360.2	388.2	424.7	472.3	531.5	598.7	660.9	693.4	670.1	599.6
47.5°	309.3	328.6	354.5	392.2	441.3	502.5	567.2	616.8	619.4	563.7	488.4
50°	288.6	306.4	332.5	370.2	418.9	480.9	539.3	578.4	560.8	497.7	425.4
52.5°	268.3	285.7	311.4	348.7	396.9	453.7	508.1	535.5	502.4	437.6	375.9
55°	238.9	254.2	279.4	313.8	359.5	412.2	458.4	467.9	424.9	361.2	311.0
57.5°	210.3	224.5	247.4	279.1	321.0	367.6	403.8	401.7	356.3	301.6	261.8
60°	190.9	204.7	225.1	256.0	294.2	334.4	365.3	357.9	312.9	265.7	232.2
62.5°	173.5	185.9	205.1	232.2	267.0	304.2	329.6	318.7	274.6	233.4	206.9
65°	147.9	158.3	174.7	197.8	226.7	257.4	277.1	263.0	225.3	193.2	171.9
67.5°	123.4	131.8	145.5	164.0	188.6	213.3	225.2	211.1	180.9	157.5	141.7
70°	107.9	115.3	125.9	142.3	163.8	184.6	193.6	180.9	155.0	134.9	123.6
72.5°	92.4	98.5	107.8	122.6	139.8	157.8	165.7	153.6	132.3	115.3	104.8
75°	71.4	75.6	82.0	92.2	105.8	120.2	124.5	113.9	100.3	87.6	80.6
77.5°	51.1	54.6	59.5	65.9	75.6	84.7	88.5	82.4	71.9	63.8	58.1
80°	39.3	41.1	45.3	50.6	58.2	64.0	66.5	62.6	55.2	49.2	44.8
82.5°	28.0	29.9	32.3	36.7	41.6	45.5	48.2	45.6	40.3	35.5	33.0
85°	13.6	14.8	16.2	18.0	21.7	24.0	23.8	22.2	20.1	18.3	16.9
87.5°	5.0	5.3	6.0	7.0	7.7	8.6	9.0	8.8	8.2	7.7	7.2
90°	1.0	1.6	2.2	2.9	3.5	4.0	4.6	5.1	5.7	6.0	6.4
92.5°	9.0	9.4	9.9	10.3	10.9	11.5	12.2	12.9	13.6	14.1	14.6
95°	23.1	23.3	23.4	23.6	24.1	24.9	25.6	26.4	27.2	27.8	28.3
97.5°	38.2	38.3	38.4	38.4	39.0	40.1	41.2	42.2	43.3	43.9	44.4
100°	49.5	49.5	49.5	49.5	50.0	51.0	52.0	53.1	54.1	54.8	55.5
102.5°	62.0	62.3	62.6	62.9	63.3	63.8	64.3	64.9	65.4	66.2	66.9
105°	81.0	81.4	81.8	82.2	82.6	83.1	83.5	84.0	84.5	84.9	85.4
107.5°	101.9	102.3	102.7	103.1	103.5	103.8	104.2	104.5	104.9	105.1	105.4
110°	116.3	116.7	117.1	117.5	117.8	118.0	118.3	118.5	118.8	119.0	119.2





TEST NUMBER: P333116

CATALOG NUMBER: S125DIP-S375D365U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	130.8	131.0	131.2	131.4	131.7	132.0	132.3	132.6	132.9	133.0	133.1
115°	152.6	153.0	153.3	153.6	153.8	154.0	154.1	154.3	154.5	154.4	154.3
117.5°	174.2	174.4	174.5	174.7	174.8	175.0	175.1	175.2	175.4	175.4	175.5
120°	188.1	188.5	188.9	189.2	189.5	189.6	189.6	189.7	189.8	189.8	189.8
122.5°	202.5	202.7	202.8	202.9	203.1	203.3	203.5	203.7	203.9	203.9	203.8
125°	222.8	223.3	223.7	224.2	224.5	224.6	224.6	224.7	224.8	224.6	224.5
127.5°	243.8	244.1	244.3	244.6	244.8	244.9	245.0	245.1	245.1	245.1	245.0
130°	256.6	257.0	257.4	257.8	258.1	258.2	258.4	258.6	258.7	258.6	258.6
132.5°	269.6	270.3	270.9	271.5	271.9	271.8	271.8	271.8	271.7	271.6	271.6
135°	289.6	290.1	290.5	291.0	291.3	291.4	291.4	291.5	291.6	291.6	291.6
137.5°	308.5	309.0	309.4	309.9	310.2	310.4	310.5	310.7	310.9	311.0	311.1
140°	320.6	321.0	321.4	321.8	322.1	322.3	322.6	322.8	323.0	323.2	323.4
142.5°	332.7	333.0	333.4	333.7	334.0	334.3	334.6	334.9	335.2	335.3	335.4
145°	350.6	350.9	351.2	351.5	351.8	352.0	352.3	352.5	352.7	352.7	352.7
147.5°	367.0	367.1	367.3	367.5	367.7	367.9	368.1	368.2	368.4	368.6	368.8
150°	377.8	377.7	377.6	377.5	377.6	377.9	378.3	378.6	378.9	378.9	378.9
152.5°	387.0	387.1	387.2	387.3	387.4	387.6	387.7	387.8	387.9	388.1	388.3
155°	400.8	400.8	400.8	400.8	400.8	400.9	401.0	401.1	401.2	401.5	401.8
157.5°	413.1	412.9	412.7	412.6	412.5	412.6	412.7	412.7	412.8	413.1	413.4
160°	420.4	420.1	419.9	419.7	419.6	419.7	419.7	419.8	419.9	420.2	420.5
162.5°	426.9	426.8	426.6	426.4	426.3	426.3	426.4	426.4	426.4	426.8	427.1
165°	435.6	435.5	435.3	435.2	435.1	435.2	435.3	435.4	435.4	435.8	436.1
167.5°	442.8	442.5	442.2	441.9	441.7	441.7	441.7	441.7	441.7	442.2	442.7
170°	446.8	446.5	446.2	445.8	445.7	445.7	445.7	445.7	445.7	446.2	446.6
172.5°	449.6	449.3	449.0	448.7	448.5	448.5	448.5	448.5	448.5	449.0	449.5
175°	452.8	452.5	452.2	451.9	451.7	451.7	451.7	451.7	451.7	452.2	452.6
177.5°	454.5	454.2	454.0	453.7	453.6	453.5	453.5	453.4	453.3	453.7	454.1
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	569.4	570.8	574.0	572.9	574.3	575.1	575.8
5°	615.3	622.7	626.0	625.5	630.4	629.2	628.0
7.5°	667.3	675.0	679.4	684.8	687.9	688.2	690.9
10°	696.7	706.8	711.0	716.8	720.5	722.6	722.3
12.5°	719.2	727.2	736.5	739.3	744.3	747.0	746.0
15°	746.4	759.1	768.8	773.6	779.9	781.7	784.2
17.5°	770.6	787.6	798.9	814.0	819.7	823.2	821.1
20°	788.9	811.3	822.6	840.6	850.6	855.9	854.0
22.5°	810.5	834.8	855.7	871.3	886.4	893.6	895.1
25°	847.6	880.8	911.6	932.1	950.8	955.2	964.9
27.5°	889.0	928.2	961.1	982.7	995.7	1000.6	1003.7
30°	915.0	954.1	978.8	992.7	996.8	996.4	995.9
32.5°	927.8	952.2	957.0	953.1	943.6	935.5	927.1
35°	909.7	891.5	864.2	829.1	803.2	777.1	774.5
37.5°	818.2	759.8	714.4	663.7	634.5	616.4	603.9
40°	732.0	665.7	610.7	568.0	538.2	526.4	514.8
42.5°	638.5	575.1	526.4	490.7	468.3	455.2	446.1
45°	518.7	462.8	424.7	398.8	381.0	370.9	365.1
47.5°	425.1	383.7	351.3	332.6	320.4	312.5	312.5
50°	374.8	335.3	313.8	299.0	288.4	282.1	283.3
52.5°	330.2	300.7	282.4	270.0	262.1	258.3	258.1
55°	276.1	254.9	242.9	233.8	228.5	224.1	225.1
57.5°	236.2	218.3	210.2	202.7	199.0	197.3	194.7
60°	211.4	197.6	190.6	184.6	180.9	179.5	177.0
62.5°	189.4	178.5	171.8	166.9	163.6	163.1	161.1
65°	159.2	150.9	144.9	142.6	139.1	138.2	138.2
67.5°	131.2	125.3	120.6	118.5	117.0	117.2	116.1
70°	113.7	108.8	105.8	103.5	102.4	102.6	101.7
72.5°	99.5	94.0	91.4	90.0	88.5	89.1	88.7
75°	75.3	72.6	71.2	69.8	68.9	68.4	67.9
77.5°	55.3	52.9	51.8	51.0	51.2	50.0	50.9
80°	42.7	40.7	40.0	38.8	38.6	38.6	38.4
82.5°	31.3	30.1	29.6	28.7	28.2	28.6	28.0
85°	16.2	15.3	15.0	15.0	14.6	14.1	15.3
87.5°	7.3	6.6	6.7	6.5	6.6	6.5	6.1
90°	6.8	7.2	7.5	7.8	8.0	8.2	8.5
92.5°	15.1	15.6	16.0	16.2	16.3	16.5	16.7
95°	28.9	29.4	29.8	29.9	30.1	30.2	30.4
97.5°	44.9	45.4	45.7	45.8	45.9	46.0	46.1
100°	56.2	56.9	57.3	57.5	57.7	57.8	58.0
102.5°	67.7	68.5	69.0	69.2	69.4	69.6	69.8
105°	85.9	86.4	86.7	86.9	87.2	87.4	87.7
107.5°	105.6	105.8	106.0	105.9	105.9	105.9	105.9
110°	119.5	119.7	119.8	119.7	119.6	119.5	119.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	133.2	133.3	133.3	133.2	133.0	132.9	132.8
115°	154.2	154.1	154.1	154.0	153.9	153.8	153.7
117.5°	175.6	175.6	175.5	175.2	174.9	174.6	174.2
120°	189.8	189.8	189.6	189.3	189.0	188.7	188.4
122.5°	203.7	203.7	203.5	203.3	203.0	202.8	202.5
125°	224.3	224.2	224.0	224.0	223.9	223.8	223.7
127.5°	244.9	244.8	244.7	244.6	244.4	244.2	244.1
130°	258.5	258.4	258.3	258.1	258.0	257.8	257.7
132.5°	271.5	271.4	271.3	271.0	270.8	270.6	270.4
135°	291.6	291.6	291.4	291.1	290.8	290.5	290.2
137.5°	311.2	311.3	311.1	310.7	310.3	309.9	309.5
140°	323.5	323.7	323.6	323.2	322.8	322.4	322.0
142.5°	335.5	335.6	335.4	335.0	334.6	334.3	333.9
145°	352.7	352.7	352.6	352.4	352.1	351.9	351.7
147.5°	369.0	369.2	369.0	368.5	367.9	367.4	366.9
150°	378.9	378.9	378.8	378.7	378.5	378.3	378.2
152.5°	388.5	388.7	388.6	388.4	388.1	387.8	387.5
155°	402.1	402.4	402.4	402.0	401.6	401.2	400.8
157.5°	413.8	414.1	414.0	413.5	412.9	412.4	411.9
160°	420.8	421.1	421.1	420.7	420.3	419.9	419.5
162.5°	427.5	427.9	427.9	427.4	426.9	426.5	426.0
165°	436.4	436.7	436.6	436.1	435.7	435.2	434.7
167.5°	443.1	443.6	443.6	443.1	442.6	442.1	441.7
170°	447.1	447.6	447.5	447.0	446.4	445.9	445.3
172.5°	449.9	450.4	450.4	449.9	449.4	448.9	448.4
175°	453.1	453.6	453.5	453.0	452.4	451.9	451.3
177.5°	454.5	454.8	454.8	454.4	453.9	453.5	453.0
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2

(END OF REPORT)