

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: P333492

Luminaire Tested: **S125RDIP-S375D365U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333492  
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-S375D365U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2773.8 lumens  
Efficiency: N/A  
Efficacy: 136.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

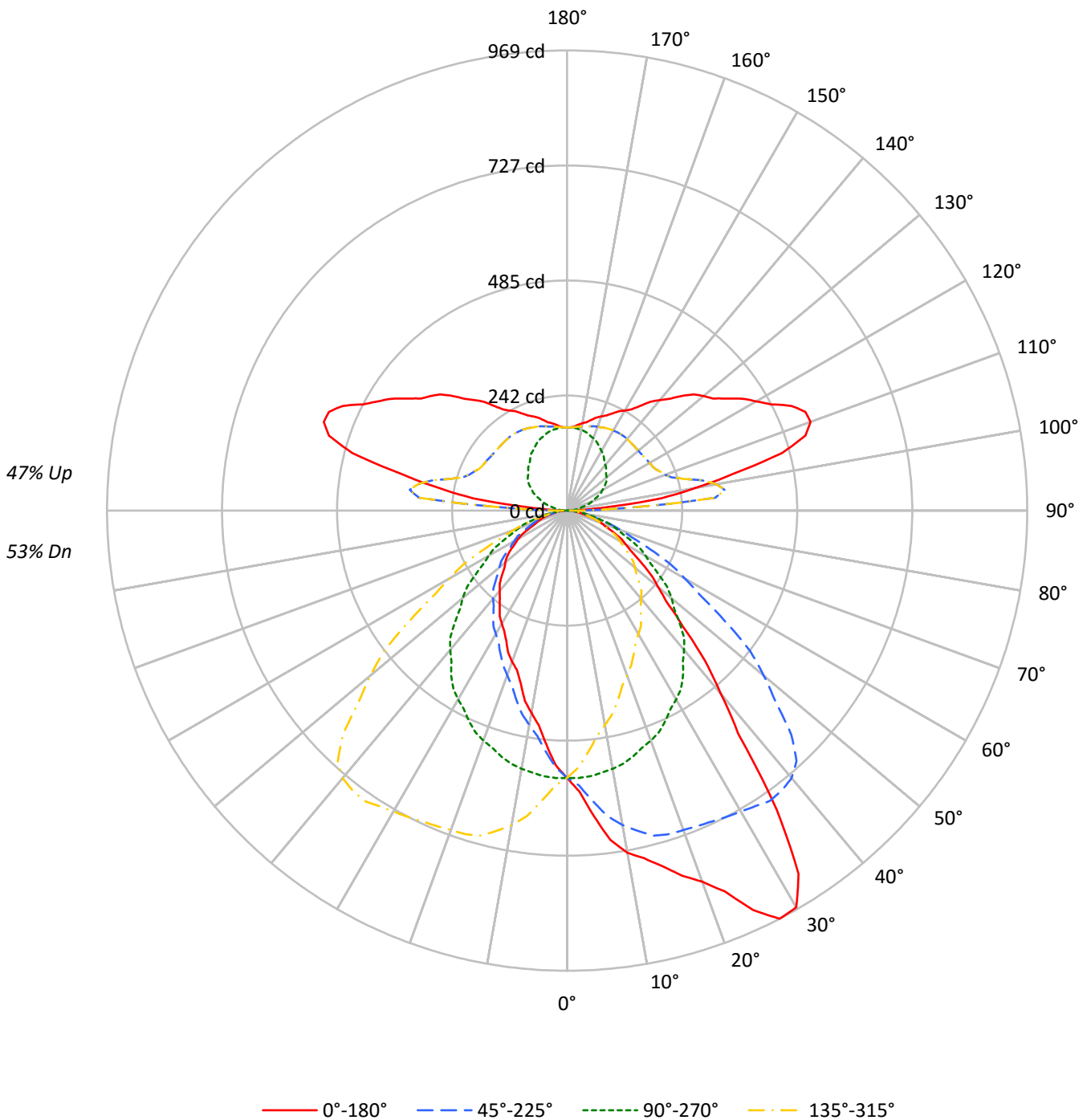
Input Watts (W): 20.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	95	91	88	91	88	85	82	75	73	71	63	62	60	52	51	50	45
2	90	83	77	72	83	77	72	68	66	62	59	56	53	51	47	45	43	39
3	83	73	66	61	76	68	62	57	59	54	50	50	46	43	42	39	37	33
4	76	65	57	52	70	61	54	49	52	47	43	45	41	38	37	35	32	29
5	70	58	50	44	64	54	47	42	47	42	37	40	36	33	34	31	28	25
6	64	52	44	39	59	49	42	37	42	37	33	36	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	33	29	26	28	25	22	20
8	55	43	35	30	51	40	33	29	35	30	26	30	26	23	26	22	20	18
9	51	39	32	27	48	37	30	26	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	22	19	16	14

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

	0°	90°	180°	270°
0°	3635	3635	3635	3635
5°	4182	3640	3215	3640
10°	4798	3621	2837	3621
15°	5182	3584	2521	3584
20°	5714	3542	2328	3542
25°	6613	3484	2161	3484
30°	7196	3424	2051	3424
35°	6070	3354	1949	3354
40°	4239	3228	1862	3228
45°	3145	3058	1777	3058
50°	2508	2882	1704	2882
55°	2128	2662	1639	2662
60°	1838	2466	1535	2466
65°	1638	2253	1320	2253
70°	1441	2064	1205	2064
75°	1245	1787	1130	1787
80°	945	1503	945	1503
85°	785	1178	889	1178



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.0	1.9
10°-20°	158.2	5.7
20°-30°	250.8	9.0
30°-40°	302.5	10.9
40°-50°	270.1	9.7
50°-60°	207.1	7.5
60°-70°	134.6	4.9
70°-80°	65.4	2.4
80°-90°	16.6	0.6
90°-100°	127.1	4.6
100°-110°	273.1	9.8
110°-120°	256.3	9.2
120°-130°	207.7	7.5
130°-140°	166.7	6.0
140°-150°	125.8	4.5
150°-160°	88.6	3.2
160°-170°	52.2	1.9
170°-180°	17.0	0.6
0°-30°	463.0	16.7
0°-40°	765.4	27.6
0°-60°	1242.7	44.8
0°-90°	1459.3	52.6
90°-120°	656.5	23.7
90°-150°	1156.8	41.7
90°-180°	1315.0	47.4
0°-180°	2773.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	563	563	563	563	563	
5°	645	562	496	562	645	64
15°	775	536	377	536	775	222
25°	928	489	303	489	928	426
35°	770	425	247	425	770	465
45°	344	335	195	335	344	275
55°	189	236	146	236	189	172
65°	107	147	86	147	107	107
75°	50	72	45	72	50	53
85°	11	16	12	16	11	12
90°	8	0	8	0	8	6
95°	83	12	83	12	83	118
105°	468	40	468	40	468	465
115°	522	71	522	71	522	510
125°	411	99	411	99	411	372
135°	341	116	341	116	341	265
145°	269	135	269	135	269	171
155°	226	154	226	154	226	105
165°	198	168	198	168	198	57
175°	178	175	178	175	178	17
180°	175	175	175	175	175	



TEST NUMBER: P333492

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	592.1	591.7	592.5	590.4	590.6	587.5	587.5	585.1	581.9	579.5	578.4
5°	645.1	645.6	644.7	641.2	638.9	635.4	631.5	624.6	618.8	613.2	608.9
7.5°	699.8	700.1	697.0	696.0	690.1	685.9	677.2	667.7	659.4	648.7	640.6
10°	731.6	731.3	728.1	725.5	720.5	714.0	705.4	694.4	684.0	672.4	661.3
12.5°	750.0	749.4	748.4	745.3	740.6	734.9	727.6	716.7	703.9	691.3	678.3
15°	775.0	773.4	770.4	766.4	759.7	753.0	745.0	735.3	723.0	708.7	696.7
17.5°	805.9	805.9	801.3	795.8	786.7	774.9	762.4	746.8	730.1	714.4	701.6
20°	831.4	830.7	826.1	815.4	805.0	790.2	775.9	756.7	736.4	715.8	699.9
22.5°	868.0	866.2	861.4	847.4	831.3	812.2	790.3	766.9	742.3	719.0	698.0
25°	928.0	926.6	917.1	900.9	878.3	848.9	820.3	788.2	752.8	722.1	696.7
27.5°	969.0	967.5	960.4	947.0	926.1	895.2	856.5	813.5	769.4	727.1	690.5
30°	964.9	968.4	967.5	961.2	945.5	917.8	882.0	833.7	781.2	731.6	687.9
32.5°	906.9	910.0	918.1	930.4	931.3	920.2	893.4	848.8	794.5	738.0	685.8
35°	769.9	774.1	789.8	814.5	846.9	873.9	879.4	855.4	806.6	745.9	682.8
37.5°	591.9	614.6	627.9	653.9	702.8	752.5	800.3	817.9	797.2	742.6	677.9
40°	502.8	508.3	531.9	561.3	602.4	654.1	722.3	771.5	773.1	735.3	670.1
42.5°	430.3	437.4	453.5	477.0	512.2	563.9	634.3	699.3	729.3	714.9	659.9
45°	344.3	349.6	361.4	379.4	406.4	449.2	509.7	584.8	644.4	667.8	632.7
47.5°	282.8	285.7	295.9	309.7	329.7	360.8	407.7	472.9	544.4	594.5	589.6
50°	249.6	252.8	260.6	271.0	287.9	314.2	351.7	406.0	479.7	540.9	553.2
52.5°	223.7	226.4	231.3	241.1	255.0	275.2	305.5	354.6	420.9	486.0	514.4
55°	189.0	190.9	194.8	200.3	211.4	226.0	252.1	286.1	339.7	405.3	446.9
57.5°	160.5	161.4	163.9	169.0	176.7	187.3	206.2	234.9	273.4	332.5	378.4
60°	142.3	143.3	146.5	150.0	156.0	165.7	180.5	200.6	237.5	286.3	332.7
62.5°	127.9	128.5	129.9	133.3	138.6	146.1	157.7	174.1	203.5	246.4	290.2
65°	107.2	107.4	107.9	110.7	113.9	119.5	127.1	138.6	160.8	193.2	232.0
67.5°	87.3	87.7	89.3	90.3	93.6	96.5	101.0	109.8	125.5	147.3	177.5
70°	76.3	76.0	77.6	78.8	79.9	83.4	86.4	93.6	103.3	119.9	145.1
72.5°	65.9	65.3	66.0	66.4	67.9	70.3	73.3	77.7	85.2	96.6	115.9
75°	49.9	50.1	50.1	50.6	51.8	52.7	53.6	55.9	60.1	67.7	78.1
77.5°	35.0	34.7	35.6	35.8	36.5	37.5	38.3	39.2	40.9	44.0	49.4
80°	25.4	25.4	25.6	26.3	26.1	26.6	27.7	28.7	30.7	32.6	34.4
82.5°	19.5	19.3	19.5	19.7	19.6	20.1	20.5	20.7	21.5	22.4	23.7
85°	10.6	10.6	10.9	10.9	11.1	11.1	11.3	11.3	11.3	11.6	11.8
87.5°	5.7	5.5	5.3	5.3	5.4	5.7	5.4	5.2	5.1	5.0	5.1
90°	8.1	8.1	7.8	7.8	7.8	7.1	6.7	6.4	6.0	5.7	4.9
92.5°	22.5	23.1	23.6	24.5	29.0	34.2	45.4	62.6	92.2	113.9	115.8
95°	83.1	88.7	91.5	102.1	127.2	156.9	200.4	254.1	306.4	313.1	255.5
97.5°	200.7	205.3	215.5	235.3	257.1	298.4	340.8	378.4	387.7	334.4	228.2
100°	275.7	281.3	294.4	319.8	344.2	381.0	417.4	434.7	407.5	319.1	203.6
102.5°	359.4	363.6	377.8	395.9	422.0	446.9	464.3	453.6	395.6	292.3	184.9
105°	468.3	472.5	479.6	491.2	502.6	506.4	490.9	442.5	357.7	256.2	166.8
107.5°	526.1	528.9	531.3	531.3	525.6	507.1	467.2	402.6	318.9	231.4	159.2
110°	545.3	545.3	542.8	536.1	520.2	490.2	440.4	373.2	296.9	219.8	156.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	543.1	540.5	534.4	522.8	499.6	464.2	413.8	350.0	280.5	213.0	156.9
115°	521.6	517.0	507.1	490.2	462.6	424.1	375.7	320.9	262.6	205.7	158.0
117.5°	484.1	481.3	471.5	453.9	426.4	391.0	349.3	302.1	251.9	202.1	160.3
120°	459.8	457.0	447.4	430.5	404.3	373.2	334.3	291.9	246.0	200.4	162.6
122.5°	438.3	435.8	426.2	410.7	387.3	358.2	323.6	284.3	240.9	199.0	164.5
125°	411.0	407.5	399.7	385.2	365.4	340.0	309.2	273.2	234.0	197.2	167.9
127.5°	387.7	386.1	378.8	366.0	348.0	324.2	295.5	261.9	227.6	196.4	171.6
130°	375.0	372.9	365.8	354.1	336.5	313.5	285.9	254.8	223.4	195.8	173.9
132.5°	362.2	359.8	353.3	341.7	324.0	301.9	276.9	247.7	220.0	195.8	176.4
135°	341.4	339.3	332.9	321.3	305.7	285.6	262.9	238.6	215.9	195.8	179.9
137.5°	319.1	316.8	310.9	300.3	286.4	269.3	250.5	230.8	212.3	196.2	183.1
140°	303.6	301.8	296.5	287.3	274.2	259.4	243.1	226.5	210.6	196.5	184.5
142.5°	289.2	287.7	282.7	274.9	263.8	250.9	236.9	222.9	209.2	196.8	185.3
145°	269.3	267.9	264.0	258.0	249.5	240.0	229.0	218.1	207.1	196.5	186.2
147.5°	252.5	251.8	249.6	244.8	238.1	230.9	222.4	213.5	204.9	195.6	186.6
150°	243.1	242.8	241.4	237.1	231.8	225.5	218.8	211.0	203.2	194.7	186.6
152.5°	235.8	235.4	234.0	230.6	226.2	221.2	215.1	208.2	201.2	193.6	186.3
155°	225.8	225.5	224.4	221.9	218.4	214.5	209.6	203.9	197.9	191.6	185.5
157.5°	216.9	217.0	216.0	214.0	211.2	208.2	204.3	199.7	194.8	189.4	184.6
160°	211.0	211.3	210.6	208.9	206.4	203.9	200.4	196.9	192.3	188.0	183.8
162.5°	205.6	205.7	205.5	204.1	202.2	200.0	197.0	193.7	190.0	186.3	182.9
165°	197.9	197.9	197.9	197.2	195.8	194.0	191.9	189.4	186.6	183.8	181.7
167.5°	190.8	190.9	191.2	190.6	189.9	188.6	187.0	185.3	183.3	181.3	179.7
170°	186.6	187.0	187.0	186.6	185.9	185.2	184.1	183.1	181.3	179.9	178.8
172.5°	182.6	183.0	183.6	182.9	182.8	182.4	181.6	180.5	179.3	178.2	177.7
175°	177.8	178.1	178.8	178.5	178.5	178.5	177.8	177.8	176.7	176.4	176.4
177.5°	175.3	175.3	176.1	175.9	176.1	176.1	176.1	175.9	175.6	175.3	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	578.4	577.1	574.7	572.5	569.7	567.3	565.6	563.6	561.0	557.9	555.3
5°	604.0	598.9	592.2	586.4	579.0	573.3	567.3	561.5	555.7	548.3	541.8
7.5°	632.4	621.9	611.7	598.8	587.2	576.8	566.8	556.7	546.8	536.3	526.2
10°	649.8	637.0	623.0	606.8	592.0	577.9	565.0	552.2	538.8	527.1	514.4
12.5°	666.0	649.6	633.5	613.1	595.3	578.1	561.6	545.8	531.5	516.2	502.5
15°	680.7	664.5	646.5	621.6	596.8	576.0	556.6	536.1	518.3	501.2	485.9
17.5°	686.4	669.4	648.5	624.5	597.5	571.3	546.3	523.8	502.8	482.9	465.8
20°	684.2	667.8	646.3	623.4	594.5	567.3	540.2	515.3	491.9	470.9	452.7
22.5°	678.8	661.9	641.1	616.9	589.5	560.6	531.7	505.1	480.7	458.9	439.0
25°	670.8	647.7	626.4	602.8	576.7	548.1	518.3	488.9	462.8	440.6	418.9
27.5°	662.4	633.6	606.5	583.1	555.5	530.0	501.2	471.1	443.7	421.1	398.8
30°	654.8	622.5	592.7	566.1	540.0	515.7	488.5	459.1	430.9	407.6	385.0
32.5°	645.4	611.0	578.3	547.6	522.4	498.4	473.7	445.6	418.2	394.1	371.1
35°	633.6	589.7	554.1	521.5	493.6	470.2	448.0	425.4	397.9	372.9	350.5
37.5°	618.1	568.2	527.1	491.6	462.1	438.7	421.1	400.4	375.3	351.5	330.7
40°	608.6	552.7	507.7	472.5	441.6	416.8	400.4	382.9	360.0	337.6	316.8
42.5°	596.1	538.5	488.1	451.5	420.3	396.5	379.9	364.6	345.4	324.3	302.0
45°	571.4	510.9	458.0	418.7	387.3	363.9	348.4	334.8	320.3	300.8	281.4
47.5°	539.4	482.1	426.7	383.8	353.1	331.4	316.4	305.6	295.2	278.7	259.9
50°	513.7	458.4	404.4	362.8	330.0	309.4	295.3	286.8	277.3	262.3	246.5
52.5°	483.3	434.0	381.1	338.6	307.6	288.3	274.8	266.2	258.4	246.2	231.2
55°	435.6	392.3	343.8	305.2	276.8	257.4	244.5	236.4	231.8	221.4	209.6
57.5°	380.4	349.5	306.7	269.5	244.3	225.2	215.7	208.8	203.6	196.2	187.9
60°	342.0	320.3	281.9	246.5	223.4	205.2	196.6	190.9	186.0	179.8	173.3
62.5°	303.0	287.2	253.8	223.4	202.2	186.9	178.9	173.7	168.1	163.9	157.6
65°	250.7	236.6	213.5	189.7	170.1	157.8	152.0	147.4	144.0	139.3	134.9
67.5°	195.0	189.3	173.3	156.9	142.8	131.9	126.9	123.7	119.6	116.8	113.8
70°	160.8	158.0	146.7	135.9	122.7	115.3	110.7	109.3	104.2	101.4	99.4
72.5°	130.5	129.2	122.7	115.2	105.9	99.4	95.2	93.6	90.3	88.1	86.8
75°	89.4	89.9	88.7	83.9	80.4	76.3	72.6	71.6	69.3	67.5	66.3
77.5°	56.6	58.9	59.0	58.8	57.4	54.9	53.3	52.6	50.4	49.7	49.4
80°	38.8	41.4	43.7	43.4	43.0	42.3	41.1	40.4	39.3	38.6	38.1
82.5°	25.9	28.2	30.2	31.4	31.3	30.6	29.9	29.5	29.3	28.8	28.7
85°	12.2	12.7	13.4	15.0	16.2	16.4	16.2	15.9	15.3	15.5	15.7
87.5°	5.2	5.0	5.1	5.0	4.7	5.5	5.9	6.0	5.7	5.5	5.2
90°	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4	0.7	1.4	2.1
92.5°	80.6	48.3	29.0	18.7	12.6	8.2	5.2	4.3	5.2	8.2	12.6
95°	158.0	80.2	42.4	26.5	18.7	14.8	12.0	11.7	12.0	14.8	18.7
97.5°	126.1	69.1	44.1	32.7	25.7	21.8	19.8	19.4	19.8	21.8	25.7
100°	114.5	68.6	48.1	37.5	30.7	26.9	25.4	24.7	25.4	26.9	30.7
102.5°	109.7	71.1	52.9	42.6	36.4	32.2	31.1	30.7	31.1	32.2	36.4
105°	107.8	76.3	60.8	50.9	45.2	41.7	39.9	39.9	39.9	41.7	45.2
107.5°	111.0	84.1	69.1	60.2	54.3	51.4	49.7	49.0	49.7	51.4	54.3
110°	114.2	89.8	75.3	66.1	60.8	57.6	56.2	55.5	56.2	57.6	60.8





TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	118.1	95.1	81.2	72.3	67.0	63.8	62.7	62.0	62.7	63.8	67.0
115°	124.0	103.6	90.5	81.6	76.3	73.2	72.1	71.4	72.1	73.2	76.3
117.5°	130.8	112.2	99.8	91.3	85.2	82.1	80.9	79.9	80.9	82.1	85.2
120°	135.4	118.4	106.0	97.2	91.2	88.0	86.6	85.5	86.6	88.0	91.2
122.5°	140.4	124.3	112.0	103.1	96.6	93.4	92.2	91.5	92.2	93.4	96.6
125°	147.4	132.2	120.5	111.3	104.6	101.4	99.7	99.0	99.7	101.4	104.6
127.5°	153.7	139.7	128.5	119.3	112.2	108.1	105.9	104.8	105.9	108.1	112.2
130°	158.0	144.5	133.6	124.4	117.0	112.4	109.6	108.5	109.6	112.4	117.0
132.5°	161.7	149.1	138.1	128.9	121.2	116.1	112.7	111.3	112.7	116.1	121.2
135°	166.8	155.1	144.2	134.7	127.2	121.6	117.3	115.9	117.3	121.6	127.2
137.5°	170.6	159.5	149.5	139.7	132.4	126.7	122.8	121.7	122.8	126.7	132.4
140°	173.2	162.6	152.3	142.8	136.1	130.4	126.2	125.1	126.2	130.4	136.1
142.5°	174.6	164.5	154.9	145.9	139.5	133.8	129.8	129.1	129.8	133.8	139.5
145°	176.7	167.9	158.7	150.6	144.2	139.2	135.7	135.0	135.7	139.2	144.2
147.5°	178.0	170.0	161.9	154.8	149.3	144.7	141.6	141.2	141.6	144.7	149.3
150°	178.8	171.4	163.6	157.6	152.7	148.1	145.6	144.9	145.6	148.1	152.7
152.5°	179.4	172.8	165.6	160.2	155.5	151.5	149.3	148.9	149.3	151.5	155.5
155°	179.9	174.2	168.2	163.3	159.7	156.2	154.1	154.1	154.1	156.2	159.7
157.5°	180.2	175.4	170.3	166.5	163.4	160.4	158.7	158.8	158.7	160.4	163.4
160°	180.2	176.0	171.4	168.2	165.4	162.9	161.5	161.9	161.5	162.9	165.4
162.5°	180.0	176.6	172.5	169.9	167.7	165.5	164.1	164.4	164.1	165.5	167.7
165°	179.5	176.7	173.9	171.8	170.3	168.6	167.5	168.2	167.5	168.6	170.3
167.5°	178.7	176.7	174.4	173.0	172.0	171.1	170.4	170.8	170.4	171.1	172.0
170°	178.1	176.7	174.9	173.9	173.2	172.5	172.1	172.5	172.1	172.5	173.2
172.5°	177.6	176.4	174.9	174.4	174.0	173.3	173.0	173.6	173.0	173.3	174.0
175°	176.7	176.0	174.9	174.9	174.9	174.6	174.2	174.9	174.2	174.6	174.9
177.5°	175.9	175.6	175.0	175.0	175.3	175.0	175.0	175.6	175.0	175.0	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	553.4	550.9	549.0	545.3	542.7	541.6	539.6	539.0	541.1	539.6	539.4
5°	537.0	530.3	525.0	519.7	513.9	510.2	504.6	503.7	502.3	500.3	499.8
7.5°	517.3	508.5	501.7	492.9	485.3	479.1	472.2	468.9	467.1	464.4	460.8
10°	504.0	493.6	484.3	475.5	466.1	458.4	451.5	446.2	442.7	439.5	438.1
12.5°	490.8	480.2	468.4	457.8	447.2	438.7	431.0	427.5	423.7	419.9	416.7
15°	470.4	456.4	443.4	431.2	422.2	412.9	405.5	400.4	394.7	393.0	386.8
17.5°	448.8	435.0	419.8	407.0	396.5	386.3	378.2	372.4	368.1	362.1	359.3
20°	435.3	418.9	404.1	392.3	380.8	368.8	360.5	355.6	351.5	346.6	344.3
22.5°	420.9	404.9	389.7	375.9	364.2	352.3	346.4	341.4	336.7	332.2	329.1
25°	399.7	383.6	367.6	353.3	341.1	332.5	325.6	319.8	317.3	312.9	309.6
27.5°	378.8	361.6	345.1	330.8	321.2	312.7	307.0	302.5	297.9	294.1	291.2
30°	365.3	347.8	329.7	318.4	308.2	300.2	293.9	289.5	286.1	282.6	280.5
32.5°	351.8	333.7	317.7	305.5	295.9	288.9	282.5	278.2	274.6	270.8	268.3
35°	330.2	311.7	298.8	286.8	277.3	270.8	266.4	260.4	257.4	254.6	252.1
37.5°	310.1	292.9	278.9	268.4	260.1	253.7	248.0	244.8	241.1	238.6	236.5
40°	295.3	279.6	266.9	255.8	249.8	242.6	237.3	233.1	230.4	227.1	224.8
42.5°	282.0	267.4	255.0	245.1	237.6	231.5	226.4	222.2	218.7	216.4	214.5
45°	263.2	248.6	236.6	227.4	220.4	214.7	209.3	207.3	202.6	199.9	198.9
47.5°	243.7	230.7	219.1	210.6	203.5	198.0	193.0	188.8	186.2	183.5	182.0
50°	230.6	218.1	207.3	198.9	192.0	186.0	181.4	178.6	175.1	172.6	170.8
52.5°	217.5	205.9	195.1	187.1	181.1	175.1	169.9	167.2	163.9	162.3	161.0
55°	198.7	186.5	177.2	169.4	163.1	157.6	152.7	150.0	147.9	146.3	145.8
57.5°	177.5	167.8	159.2	152.1	145.6	140.4	136.1	133.5	131.7	131.4	130.0
60°	163.6	154.8	147.0	139.3	133.8	128.9	125.2	122.2	120.4	120.2	119.7
62.5°	149.7	141.3	134.0	127.3	122.3	117.7	114.1	110.8	109.7	108.5	107.5
65°	129.2	121.5	115.5	110.2	104.9	101.0	97.5	95.4	92.9	91.5	89.0
67.5°	109.0	103.1	97.3	92.8	88.6	84.9	82.0	78.9	77.2	76.1	74.3
70°	95.7	91.0	85.3	80.4	77.2	74.2	71.9	68.4	67.2	66.3	65.4
72.5°	83.1	79.0	74.2	70.2	67.0	64.2	61.5	59.9	58.7	57.8	57.3
75°	65.4	61.5	57.3	54.5	52.2	49.9	48.5	47.4	46.9	46.7	45.8
77.5°	48.0	45.9	42.6	40.4	38.9	37.9	36.7	36.1	36.0	35.0	34.7
80°	36.7	35.6	32.8	31.9	30.7	29.8	29.1	28.0	26.8	26.3	25.6
82.5°	27.3	26.2	25.0	23.6	22.6	22.0	21.4	20.9	21.1	20.4	20.1
85°	14.6	13.4	12.9	12.7	12.2	12.7	12.5	12.2	12.0	11.8	12.0
87.5°	5.2	5.3	5.2	5.7	5.2	5.6	5.6	5.5	5.6	5.7	5.6
90°	2.8	3.5	3.9	4.6	4.9	5.7	6.0	6.4	6.7	7.1	7.8
92.5°	18.7	29.0	48.3	80.6	115.8	113.9	92.2	62.6	45.4	34.2	29.0
95°	26.5	42.4	80.2	158.0	255.5	313.1	306.4	254.1	200.4	156.9	127.2
97.5°	32.7	44.1	69.1	126.1	228.2	334.4	387.7	378.4	340.8	298.4	257.1
100°	37.5	48.1	68.6	114.5	203.6	319.1	407.5	434.7	417.4	381.0	344.2
102.5°	42.6	52.9	71.1	109.7	184.9	292.3	395.6	453.6	464.3	446.9	422.0
105°	50.9	60.8	76.3	107.8	166.8	256.2	357.7	442.5	490.9	506.4	502.6
107.5°	60.2	69.1	84.1	111.0	159.2	231.4	318.9	402.6	467.2	507.1	525.6
110°	66.1	75.3	89.8	114.2	156.9	219.8	296.9	373.2	440.4	490.2	520.2



TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	72.3	81.2	95.1	118.1	156.9	213.0	280.5	350.0	413.8	464.2	499.6
115°	81.6	90.5	103.6	124.0	158.0	205.7	262.6	320.9	375.7	424.1	462.6
117.5°	91.3	99.8	112.2	130.8	160.3	202.1	251.9	302.1	349.3	391.0	426.4
120°	97.2	106.0	118.4	135.4	162.6	200.4	246.0	291.9	334.3	373.2	404.3
122.5°	103.1	112.0	124.3	140.4	164.5	199.0	240.9	284.3	323.6	358.2	387.3
125°	111.3	120.5	132.2	147.4	167.9	197.2	234.0	273.2	309.2	340.0	365.4
127.5°	119.3	128.5	139.7	153.7	171.6	196.4	227.6	261.9	295.5	324.2	348.0
130°	124.4	133.6	144.5	158.0	173.9	195.8	223.4	254.8	285.9	313.5	336.5
132.5°	128.9	138.1	149.1	161.7	176.4	195.8	220.0	247.7	276.9	301.9	324.0
135°	134.7	144.2	155.1	166.8	179.9	195.8	215.9	238.6	262.9	285.6	305.7
137.5°	139.7	149.5	159.5	170.6	183.1	196.2	212.3	230.8	250.5	269.3	286.4
140°	142.8	152.3	162.6	173.2	184.5	196.5	210.6	226.5	243.1	259.4	274.2
142.5°	145.9	154.9	164.5	174.6	185.3	196.8	209.2	222.9	236.9	250.9	263.8
145°	150.6	158.7	167.9	176.7	186.2	196.5	207.1	218.1	229.0	240.0	249.5
147.5°	154.8	161.9	170.0	178.0	186.6	195.6	204.9	213.5	222.4	230.9	238.1
150°	157.6	163.6	171.4	178.8	186.6	194.7	203.2	211.0	218.8	225.5	231.8
152.5°	160.2	165.6	172.8	179.4	186.3	193.6	201.2	208.2	215.1	221.2	226.2
155°	163.3	168.2	174.2	179.9	185.5	191.6	197.9	203.9	209.6	214.5	218.4
157.5°	166.5	170.3	175.4	180.2	184.6	189.4	194.8	199.7	204.3	208.2	211.2
160°	168.2	171.4	176.0	180.2	183.8	188.0	192.3	196.9	200.4	203.9	206.4
162.5°	169.9	172.5	176.6	180.0	182.9	186.3	190.0	193.7	197.0	200.0	202.2
165°	171.8	173.9	176.7	179.5	181.7	183.8	186.6	189.4	191.9	194.0	195.8
167.5°	173.0	174.4	176.7	178.7	179.7	181.3	183.3	185.3	187.0	188.6	189.9
170°	173.9	174.9	176.7	178.1	178.8	179.9	181.3	183.1	184.1	185.2	185.9
172.5°	174.4	174.9	176.4	177.6	177.7	178.2	179.3	180.5	181.6	182.4	182.8
175°	174.9	174.9	176.0	176.7	176.4	176.4	176.7	177.8	177.8	178.5	178.5
177.5°	175.0	175.0	175.6	175.9	175.3	175.3	175.6	175.9	176.1	176.1	176.1
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.2	537.2	536.6	537.4	536.6	537.2	539.2	539.4	539.6	541.1	539.0
5°	497.5	495.2	496.3	495.9	496.3	495.2	497.5	499.8	500.3	502.3	503.7
7.5°	460.8	457.9	454.9	455.8	454.9	457.9	460.8	460.8	464.4	467.1	468.9
10°	435.1	432.8	431.4	432.6	431.4	432.8	435.1	438.1	439.5	442.7	446.2
12.5°	413.5	412.1	410.9	410.4	410.9	412.1	413.5	416.7	419.9	423.7	427.5
15°	384.0	381.3	380.1	377.1	380.1	381.3	384.0	386.8	393.0	394.7	400.4
17.5°	356.9	356.0	353.0	351.7	353.0	356.0	356.9	359.3	362.1	368.1	372.4
20°	340.8	339.9	336.9	338.7	336.9	339.9	340.8	344.3	346.6	351.5	355.6
22.5°	327.5	325.5	324.5	324.0	324.5	325.5	327.5	329.1	332.2	336.7	341.4
25°	308.7	305.7	304.5	303.2	304.5	305.7	308.7	309.6	312.9	317.3	319.8
27.5°	289.9	288.3	286.8	286.4	286.8	288.3	289.9	291.2	294.1	297.9	302.5
30°	277.7	276.1	275.0	275.0	275.0	276.1	277.7	280.5	282.6	286.1	289.5
32.5°	266.8	265.6	264.4	264.2	264.4	265.6	266.8	268.3	270.8	274.6	278.2
35°	250.9	249.1	248.6	247.2	248.6	249.1	250.9	252.1	254.6	257.4	260.4
37.5°	234.4	232.9	232.9	232.7	232.9	232.9	234.4	236.5	238.6	241.1	244.8
40°	223.9	222.7	222.5	220.9	222.5	222.7	223.9	224.8	227.1	230.4	233.1
42.5°	212.6	212.0	211.2	210.5	211.2	212.0	212.6	214.5	216.4	218.7	222.2
45°	197.3	195.7	195.7	194.6	195.7	195.7	197.3	198.9	199.9	202.6	207.3
47.5°	181.5	180.3	180.4	179.2	180.4	180.3	181.5	182.0	183.5	186.2	188.8
50°	171.0	170.3	170.1	169.6	170.1	170.3	171.0	170.8	172.6	175.1	178.6
52.5°	160.5	160.1	161.0	160.0	161.0	160.1	160.5	161.0	162.3	163.9	167.2
55°	146.3	145.6	147.0	145.6	147.0	145.6	146.3	145.8	146.3	147.9	150.0
57.5°	130.0	129.3	130.6	129.9	130.6	129.3	130.0	130.0	131.4	131.7	133.5
60°	119.2	117.8	118.5	118.8	118.5	117.8	119.2	119.7	120.2	120.4	122.2
62.5°	106.5	105.6	106.2	105.1	106.2	105.6	106.5	107.5	108.5	109.7	110.8
65°	88.5	87.8	86.9	86.4	86.9	87.8	88.5	89.0	91.5	92.9	95.4
67.5°	74.4	72.7	72.6	73.0	72.6	72.7	74.4	74.3	76.1	77.2	78.9
70°	64.0	64.0	63.8	63.8	63.8	64.0	64.0	65.4	66.3	67.2	68.4
72.5°	56.8	56.6	56.2	56.0	56.2	56.6	56.8	57.3	57.8	58.7	59.9
75°	45.8	46.0	45.5	45.3	45.5	46.0	45.8	45.8	46.7	46.9	47.4
77.5°	33.8	32.8	33.3	32.8	33.3	32.8	33.8	34.7	35.0	36.0	36.1
80°	25.6	25.4	26.1	25.4	26.1	25.4	25.6	25.6	26.3	26.8	28.0
82.5°	20.3	20.1	20.4	19.9	20.4	20.1	20.3	20.1	20.4	21.1	20.9
85°	12.2	12.0	11.8	12.0	11.8	12.0	12.2	12.0	11.8	12.0	12.2
87.5°	5.8	5.6	5.7	5.7	5.7	5.6	5.8	5.6	5.7	5.6	5.5
90°	7.8	7.8	8.1	8.1	8.1	7.8	7.8	7.8	7.1	6.7	6.4
92.5°	24.5	23.6	23.1	22.5	23.1	23.6	24.5	29.0	34.2	45.4	62.6
95°	102.1	91.5	88.7	83.1	88.7	91.5	102.1	127.2	156.9	200.4	254.1
97.5°	235.3	215.5	205.3	200.7	205.3	215.5	235.3	257.1	298.4	340.8	378.4
100°	319.8	294.4	281.3	275.7	281.3	294.4	319.8	344.2	381.0	417.4	434.7
102.5°	395.9	377.8	363.6	359.4	363.6	377.8	395.9	422.0	446.9	464.3	453.6
105°	491.2	479.6	472.5	468.3	472.5	479.6	491.2	502.6	506.4	490.9	442.5
107.5°	531.3	531.3	528.9	526.1	528.9	531.3	531.3	525.6	507.1	467.2	402.6
110°	536.1	542.8	545.3	545.3	545.3	542.8	536.1	520.2	490.2	440.4	373.2



TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	522.8	534.4	540.5	543.1	540.5	534.4	522.8	499.6	464.2	413.8	350.0
115°	490.2	507.1	517.0	521.6	517.0	507.1	490.2	462.6	424.1	375.7	320.9
117.5°	453.9	471.5	481.3	484.1	481.3	471.5	453.9	426.4	391.0	349.3	302.1
120°	430.5	447.4	457.0	459.8	457.0	447.4	430.5	404.3	373.2	334.3	291.9
122.5°	410.7	426.2	435.8	438.3	435.8	426.2	410.7	387.3	358.2	323.6	284.3
125°	385.2	399.7	407.5	411.0	407.5	399.7	385.2	365.4	340.0	309.2	273.2
127.5°	366.0	378.8	386.1	387.7	386.1	378.8	366.0	348.0	324.2	295.5	261.9
130°	354.1	365.8	372.9	375.0	372.9	365.8	354.1	336.5	313.5	285.9	254.8
132.5°	341.7	353.3	359.8	362.2	359.8	353.3	341.7	324.0	301.9	276.9	247.7
135°	321.3	332.9	339.3	341.4	339.3	332.9	321.3	305.7	285.6	262.9	238.6
137.5°	300.3	310.9	316.8	319.1	316.8	310.9	300.3	286.4	269.3	250.5	230.8
140°	287.3	296.5	301.8	303.6	301.8	296.5	287.3	274.2	259.4	243.1	226.5
142.5°	274.9	282.7	287.7	289.2	287.7	282.7	274.9	263.8	250.9	236.9	222.9
145°	258.0	264.0	267.9	269.3	267.9	264.0	258.0	249.5	240.0	229.0	218.1
147.5°	244.8	249.6	251.8	252.5	251.8	249.6	244.8	238.1	230.9	222.4	213.5
150°	237.1	241.4	242.8	243.1	242.8	241.4	237.1	231.8	225.5	218.8	211.0
152.5°	230.6	234.0	235.4	235.8	235.4	234.0	230.6	226.2	221.2	215.1	208.2
155°	221.9	224.4	225.5	225.8	225.5	224.4	221.9	218.4	214.5	209.6	203.9
157.5°	214.0	216.0	217.0	216.9	217.0	216.0	214.0	211.2	208.2	204.3	199.7
160°	208.9	210.6	211.3	211.0	211.3	210.6	208.9	206.4	203.9	200.4	196.9
162.5°	204.1	205.5	205.7	205.6	205.7	205.5	204.1	202.2	200.0	197.0	193.7
165°	197.2	197.9	197.9	197.9	197.9	197.9	197.2	195.8	194.0	191.9	189.4
167.5°	190.6	191.2	190.9	190.8	190.9	191.2	190.6	189.9	188.6	187.0	185.3
170°	186.6	187.0	187.0	186.6	187.0	187.0	186.6	185.9	185.2	184.1	183.1
172.5°	182.9	183.6	183.0	182.6	183.0	183.6	182.9	182.8	182.4	181.6	180.5
175°	178.5	178.8	178.1	177.8	178.1	178.8	178.5	178.5	178.5	177.8	177.8
177.5°	175.9	176.1	175.3	175.3	175.3	176.1	175.9	176.1	176.1	176.1	175.9
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.6	541.6	542.7	545.3	549.0	550.9	553.4	555.3	557.9	561.0	563.6
5°	504.6	510.2	513.9	519.7	525.0	530.3	537.0	541.8	548.3	555.7	561.5
7.5°	472.2	479.1	485.3	492.9	501.7	508.5	517.3	526.2	536.3	546.8	556.7
10°	451.5	458.4	466.1	475.5	484.3	493.6	504.0	514.4	527.1	538.8	552.2
12.5°	431.0	438.7	447.2	457.8	468.4	480.2	490.8	502.5	516.2	531.5	545.8
15°	405.5	412.9	422.2	431.2	443.4	456.4	470.4	485.9	501.2	518.3	536.1
17.5°	378.2	386.3	396.5	407.0	419.8	435.0	448.8	465.8	482.9	502.8	523.8
20°	360.5	368.8	380.8	392.3	404.1	418.9	435.3	452.7	470.9	491.9	515.3
22.5°	346.4	352.3	364.2	375.9	389.7	404.9	420.9	439.0	458.9	480.7	505.1
25°	325.6	332.5	341.1	353.3	367.6	383.6	399.7	418.9	440.6	462.8	488.9
27.5°	307.0	312.7	321.2	330.8	345.1	361.6	378.8	398.8	421.1	443.7	471.1
30°	293.9	300.2	308.2	318.4	329.7	347.8	365.3	385.0	407.6	430.9	459.1
32.5°	282.5	288.9	295.9	305.5	317.7	333.7	351.8	371.1	394.1	418.2	445.6
35°	266.4	270.8	277.3	286.8	298.8	311.7	330.2	350.5	372.9	397.9	425.4
37.5°	248.0	253.7	260.1	268.4	278.9	292.9	310.1	330.7	351.5	375.3	400.4
40°	237.3	242.6	249.8	255.8	266.9	279.6	295.3	316.8	337.6	360.0	382.9
42.5°	226.4	231.5	237.6	245.1	255.0	267.4	282.0	302.0	324.3	345.4	364.6
45°	209.3	214.7	220.4	227.4	236.6	248.6	263.2	281.4	300.8	320.3	334.8
47.5°	193.0	198.0	203.5	210.6	219.1	230.7	243.7	259.9	278.7	295.2	305.6
50°	181.4	186.0	192.0	198.9	207.3	218.1	230.6	246.5	262.3	277.3	286.8
52.5°	169.9	175.1	181.1	187.1	195.1	205.9	217.5	231.2	246.2	258.4	266.2
55°	152.7	157.6	163.1	169.4	177.2	186.5	198.7	209.6	221.4	231.8	236.4
57.5°	136.1	140.4	145.6	152.1	159.2	167.8	177.5	187.9	196.2	203.6	208.8
60°	125.2	128.9	133.8	139.3	147.0	154.8	163.6	173.3	179.8	186.0	190.9
62.5°	114.1	117.7	122.3	127.3	134.0	141.3	149.7	157.6	163.9	168.1	173.7
65°	97.5	101.0	104.9	110.2	115.5	121.5	129.2	134.9	139.3	144.0	147.4
67.5°	82.0	84.9	88.6	92.8	97.3	103.1	109.0	113.8	116.8	119.6	123.7
70°	71.9	74.2	77.2	80.4	85.3	91.0	95.7	99.4	101.4	104.2	109.3
72.5°	61.5	64.2	67.0	70.2	74.2	79.0	83.1	86.8	88.1	90.3	93.6
75°	48.5	49.9	52.2	54.5	57.3	61.5	65.4	66.3	67.5	69.3	71.6
77.5°	36.7	37.9	38.9	40.4	42.6	45.9	48.0	49.4	49.7	50.4	52.6
80°	29.1	29.8	30.7	31.9	32.8	35.6	36.7	38.1	38.6	39.3	40.4
82.5°	21.4	22.0	22.6	23.6	25.0	26.2	27.3	28.7	28.8	29.3	29.5
85°	12.5	12.7	12.2	12.7	12.9	13.4	14.6	15.7	15.5	15.3	15.9
87.5°	5.6	5.6	5.2	5.7	5.2	5.3	5.2	5.2	5.5	5.7	6.0
90°	6.0	5.7	4.9	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4
92.5°	92.2	113.9	115.8	80.6	48.3	29.0	18.7	12.6	8.2	5.2	4.3
95°	306.4	313.1	255.5	158.0	80.2	42.4	26.5	18.7	14.8	12.0	11.7
97.5°	387.7	334.4	228.2	126.1	69.1	44.1	32.7	25.7	21.8	19.8	19.4
100°	407.5	319.1	203.6	114.5	68.6	48.1	37.5	30.7	26.9	25.4	24.7
102.5°	395.6	292.3	184.9	109.7	71.1	52.9	42.6	36.4	32.2	31.1	30.7
105°	357.7	256.2	166.8	107.8	76.3	60.8	50.9	45.2	41.7	39.9	39.9
107.5°	318.9	231.4	159.2	111.0	84.1	69.1	60.2	54.3	51.4	49.7	49.0
110°	296.9	219.8	156.9	114.2	89.8	75.3	66.1	60.8	57.6	56.2	55.5



TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	280.5	213.0	156.9	118.1	95.1	81.2	72.3	67.0	63.8	62.7	62.0
115°	262.6	205.7	158.0	124.0	103.6	90.5	81.6	76.3	73.2	72.1	71.4
117.5°	251.9	202.1	160.3	130.8	112.2	99.8	91.3	85.2	82.1	80.9	79.9
120°	246.0	200.4	162.6	135.4	118.4	106.0	97.2	91.2	88.0	86.6	85.5
122.5°	240.9	199.0	164.5	140.4	124.3	112.0	103.1	96.6	93.4	92.2	91.5
125°	234.0	197.2	167.9	147.4	132.2	120.5	111.3	104.6	101.4	99.7	99.0
127.5°	227.6	196.4	171.6	153.7	139.7	128.5	119.3	112.2	108.1	105.9	104.8
130°	223.4	195.8	173.9	158.0	144.5	133.6	124.4	117.0	112.4	109.6	108.5
132.5°	220.0	195.8	176.4	161.7	149.1	138.1	128.9	121.2	116.1	112.7	111.3
135°	215.9	195.8	179.9	166.8	155.1	144.2	134.7	127.2	121.6	117.3	115.9
137.5°	212.3	196.2	183.1	170.6	159.5	149.5	139.7	132.4	126.7	122.8	121.7
140°	210.6	196.5	184.5	173.2	162.6	152.3	142.8	136.1	130.4	126.2	125.1
142.5°	209.2	196.8	185.3	174.6	164.5	154.9	145.9	139.5	133.8	129.8	129.1
145°	207.1	196.5	186.2	176.7	167.9	158.7	150.6	144.2	139.2	135.7	135.0
147.5°	204.9	195.6	186.6	178.0	170.0	161.9	154.8	149.3	144.7	141.6	141.2
150°	203.2	194.7	186.6	178.8	171.4	163.6	157.6	152.7	148.1	145.6	144.9
152.5°	201.2	193.6	186.3	179.4	172.8	165.6	160.2	155.5	151.5	149.3	148.9
155°	197.9	191.6	185.5	179.9	174.2	168.2	163.3	159.7	156.2	154.1	154.1
157.5°	194.8	189.4	184.6	180.2	175.4	170.3	166.5	163.4	160.4	158.7	158.8
160°	192.3	188.0	183.8	180.2	176.0	171.4	168.2	165.4	162.9	161.5	161.9
162.5°	190.0	186.3	182.9	180.0	176.6	172.5	169.9	167.7	165.5	164.1	164.4
165°	186.6	183.8	181.7	179.5	176.7	173.9	171.8	170.3	168.6	167.5	168.2
167.5°	183.3	181.3	179.7	178.7	176.7	174.4	173.0	172.0	171.1	170.4	170.8
170°	181.3	179.9	178.8	178.1	176.7	174.9	173.9	173.2	172.5	172.1	172.5
172.5°	179.3	178.2	177.7	177.6	176.4	174.9	174.4	174.0	173.3	173.0	173.6
175°	176.7	176.4	176.4	176.7	176.0	174.9	174.9	174.9	174.6	174.2	174.9
177.5°	175.6	175.3	175.3	175.9	175.6	175.0	175.0	175.3	175.0	175.0	175.6
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	565.6	567.3	569.7	572.5	574.7	577.1	578.4	578.4	579.5	581.9	585.1
5°	567.3	573.3	579.0	586.4	592.2	598.9	604.0	608.9	613.2	618.8	624.6
7.5°	566.8	576.8	587.2	598.8	611.7	621.9	632.4	640.6	648.7	659.4	667.7
10°	565.0	577.9	592.0	606.8	623.0	637.0	649.8	661.3	672.4	684.0	694.4
12.5°	561.6	578.1	595.3	613.1	633.5	649.6	666.0	678.3	691.3	703.9	716.7
15°	556.6	576.0	596.8	621.6	646.5	664.5	680.7	696.7	708.7	723.0	735.3
17.5°	546.3	571.3	597.5	624.5	648.5	669.4	686.4	701.6	714.4	730.1	746.8
20°	540.2	567.3	594.5	623.4	646.3	667.8	684.2	699.9	715.8	736.4	756.7
22.5°	531.7	560.6	589.5	616.9	641.1	661.9	678.8	698.0	719.0	742.3	766.9
25°	518.3	548.1	576.7	602.8	626.4	647.7	670.8	696.7	722.1	752.8	788.2
27.5°	501.2	530.0	555.5	583.1	606.5	633.6	662.4	690.5	727.1	769.4	813.5
30°	488.5	515.7	540.0	566.1	592.7	622.5	654.8	687.9	731.6	781.2	833.7
32.5°	473.7	498.4	522.4	547.6	578.3	611.0	645.4	685.8	738.0	794.5	848.8
35°	448.0	470.2	493.6	521.5	554.1	589.7	633.6	682.8	745.9	806.6	855.4
37.5°	421.1	438.7	462.1	491.6	527.1	568.2	618.1	677.9	742.6	797.2	817.9
40°	400.4	416.8	441.6	472.5	507.7	552.7	608.6	670.1	735.3	773.1	771.5
42.5°	379.9	396.5	420.3	451.5	488.1	538.5	596.1	659.9	714.9	729.3	699.3
45°	348.4	363.9	387.3	418.7	458.0	510.9	571.4	632.7	667.8	644.4	584.8
47.5°	316.4	331.4	353.1	383.8	426.7	482.1	539.4	589.6	594.5	544.4	472.9
50°	295.3	309.4	330.0	362.8	404.4	458.4	513.7	553.2	540.9	479.7	406.0
52.5°	274.8	288.3	307.6	338.6	381.1	434.0	483.3	514.4	486.0	420.9	354.6
55°	244.5	257.4	276.8	305.2	343.8	392.3	435.6	446.9	405.3	339.7	286.1
57.5°	215.7	225.2	244.3	269.5	306.7	349.5	380.4	378.4	332.5	273.4	234.9
60°	196.6	205.2	223.4	246.5	281.9	320.3	342.0	332.7	286.3	237.5	200.6
62.5°	178.9	186.9	202.2	223.4	253.8	287.2	303.0	290.2	246.4	203.5	174.1
65°	152.0	157.8	170.1	189.7	213.5	236.6	250.7	232.0	193.2	160.8	138.6
67.5°	126.9	131.9	142.8	156.9	173.3	189.3	195.0	177.5	147.3	125.5	109.8
70°	110.7	115.3	122.7	135.9	146.7	158.0	160.8	145.1	119.9	103.3	93.6
72.5°	95.2	99.4	105.9	115.2	122.7	129.2	130.5	115.9	96.6	85.2	77.7
75°	72.6	76.3	80.4	83.9	88.7	89.9	89.4	78.1	67.7	60.1	55.9
77.5°	53.3	54.9	57.4	58.8	59.0	58.9	56.6	49.4	44.0	40.9	39.2
80°	41.1	42.3	43.0	43.4	43.7	41.4	38.8	34.4	32.6	30.7	28.7
82.5°	29.9	30.6	31.3	31.4	30.2	28.2	25.9	23.7	22.4	21.5	20.7
85°	16.2	16.4	16.2	15.0	13.4	12.7	12.2	11.8	11.6	11.3	11.3
87.5°	5.9	5.5	4.7	5.0	5.1	5.0	5.2	5.1	5.0	5.1	5.2
90°	0.7	1.4	2.1	2.8	3.5	3.9	4.6	4.9	5.7	6.0	6.4
92.5°	5.2	8.2	12.6	18.7	29.0	48.3	80.6	115.8	113.9	92.2	62.6
95°	12.0	14.8	18.7	26.5	42.4	80.2	158.0	255.5	313.1	306.4	254.1
97.5°	19.8	21.8	25.7	32.7	44.1	69.1	126.1	228.2	334.4	387.7	378.4
100°	25.4	26.9	30.7	37.5	48.1	68.6	114.5	203.6	319.1	407.5	434.7
102.5°	31.1	32.2	36.4	42.6	52.9	71.1	109.7	184.9	292.3	395.6	453.6
105°	39.9	41.7	45.2	50.9	60.8	76.3	107.8	166.8	256.2	357.7	442.5
107.5°	49.7	51.4	54.3	60.2	69.1	84.1	111.0	159.2	231.4	318.9	402.6
110°	56.2	57.6	60.8	66.1	75.3	89.8	114.2	156.9	219.8	296.9	373.2





TEST NUMBER: P333492

CATALOG NUMBER: S125RDIP-S375D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	62.7	63.8	67.0	72.3	81.2	95.1	118.1	156.9	213.0	280.5	350.0
115°	72.1	73.2	76.3	81.6	90.5	103.6	124.0	158.0	205.7	262.6	320.9
117.5°	80.9	82.1	85.2	91.3	99.8	112.2	130.8	160.3	202.1	251.9	302.1
120°	86.6	88.0	91.2	97.2	106.0	118.4	135.4	162.6	200.4	246.0	291.9
122.5°	92.2	93.4	96.6	103.1	112.0	124.3	140.4	164.5	199.0	240.9	284.3
125°	99.7	101.4	104.6	111.3	120.5	132.2	147.4	167.9	197.2	234.0	273.2
127.5°	105.9	108.1	112.2	119.3	128.5	139.7	153.7	171.6	196.4	227.6	261.9
130°	109.6	112.4	117.0	124.4	133.6	144.5	158.0	173.9	195.8	223.4	254.8
132.5°	112.7	116.1	121.2	128.9	138.1	149.1	161.7	176.4	195.8	220.0	247.7
135°	117.3	121.6	127.2	134.7	144.2	155.1	166.8	179.9	195.8	215.9	238.6
137.5°	122.8	126.7	132.4	139.7	149.5	159.5	170.6	183.1	196.2	212.3	230.8
140°	126.2	130.4	136.1	142.8	152.3	162.6	173.2	184.5	196.5	210.6	226.5
142.5°	129.8	133.8	139.5	145.9	154.9	164.5	174.6	185.3	196.8	209.2	222.9
145°	135.7	139.2	144.2	150.6	158.7	167.9	176.7	186.2	196.5	207.1	218.1
147.5°	141.6	144.7	149.3	154.8	161.9	170.0	178.0	186.6	195.6	204.9	213.5
150°	145.6	148.1	152.7	157.6	163.6	171.4	178.8	186.6	194.7	203.2	211.0
152.5°	149.3	151.5	155.5	160.2	165.6	172.8	179.4	186.3	193.6	201.2	208.2
155°	154.1	156.2	159.7	163.3	168.2	174.2	179.9	185.5	191.6	197.9	203.9
157.5°	158.7	160.4	163.4	166.5	170.3	175.4	180.2	184.6	189.4	194.8	199.7
160°	161.5	162.9	165.4	168.2	171.4	176.0	180.2	183.8	188.0	192.3	196.9
162.5°	164.1	165.5	167.7	169.9	172.5	176.6	180.0	182.9	186.3	190.0	193.7
165°	167.5	168.6	170.3	171.8	173.9	176.7	179.5	181.7	183.8	186.6	189.4
167.5°	170.4	171.1	172.0	173.0	174.4	176.7	178.7	179.7	181.3	183.3	185.3
170°	172.1	172.5	173.2	173.9	174.9	176.7	178.1	178.8	179.9	181.3	183.1
172.5°	173.0	173.3	174.0	174.4	174.9	176.4	177.6	177.7	178.2	179.3	180.5
175°	174.2	174.6	174.9	174.9	174.9	176.0	176.7	176.4	176.4	176.7	177.8
177.5°	175.0	175.0	175.3	175.0	175.0	175.6	175.9	175.3	175.3	175.6	175.9
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333492

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	587.5	587.5	590.6	590.4	592.5	591.7	592.1
5°	631.5	635.4	638.9	641.2	644.7	645.6	645.1
7.5°	677.2	685.9	690.1	696.0	697.0	700.1	699.8
10°	705.4	714.0	720.5	725.5	728.1	731.3	731.6
12.5°	727.6	734.9	740.6	745.3	748.4	749.4	750.0
15°	745.0	753.0	759.7	766.4	770.4	773.4	775.0
17.5°	762.4	774.9	786.7	795.8	801.3	805.9	805.9
20°	775.9	790.2	805.0	815.4	826.1	830.7	831.4
22.5°	790.3	812.2	831.3	847.4	861.4	866.2	868.0
25°	820.3	848.9	878.3	900.9	917.1	926.6	928.0
27.5°	856.5	895.2	926.1	947.0	960.4	967.5	969.0
30°	882.0	917.8	945.5	961.2	967.5	968.4	964.9
32.5°	893.4	920.2	931.3	930.4	918.1	910.0	906.9
35°	879.4	873.9	846.9	814.5	789.8	774.1	769.9
37.5°	800.3	752.5	702.8	653.9	627.9	614.6	591.9
40°	722.3	654.1	602.4	561.3	531.9	508.3	502.8
42.5°	634.3	563.9	512.2	477.0	453.5	437.4	430.3
45°	509.7	449.2	406.4	379.4	361.4	349.6	344.3
47.5°	407.7	360.8	329.7	309.7	295.9	285.7	282.8
50°	351.7	314.2	287.9	271.0	260.6	252.8	249.6
52.5°	305.5	275.2	255.0	241.1	231.3	226.4	223.7
55°	252.1	226.0	211.4	200.3	194.8	190.9	189.0
57.5°	206.2	187.3	176.7	169.0	163.9	161.4	160.5
60°	180.5	165.7	156.0	150.0	146.5	143.3	142.3
62.5°	157.7	146.1	138.6	133.3	129.9	128.5	127.9
65°	127.1	119.5	113.9	110.7	107.9	107.4	107.2
67.5°	101.0	96.5	93.6	90.3	89.3	87.7	87.3
70°	86.4	83.4	79.9	78.8	77.6	76.0	76.3
72.5°	73.3	70.3	67.9	66.4	66.0	65.3	65.9
75°	53.6	52.7	51.8	50.6	50.1	50.1	49.9
77.5°	38.3	37.5	36.5	35.8	35.6	34.7	35.0
80°	27.7	26.6	26.1	26.3	25.6	25.4	25.4
82.5°	20.5	20.1	19.6	19.7	19.5	19.3	19.5
85°	11.3	11.1	11.1	10.9	10.9	10.6	10.6
87.5°	5.4	5.7	5.4	5.3	5.3	5.5	5.7
90°	6.7	7.1	7.8	7.8	7.8	8.1	8.1
92.5°	45.4	34.2	29.0	24.5	23.6	23.1	22.5
95°	200.4	156.9	127.2	102.1	91.5	88.7	83.1
97.5°	340.8	298.4	257.1	235.3	215.5	205.3	200.7
100°	417.4	381.0	344.2	319.8	294.4	281.3	275.7
102.5°	464.3	446.9	422.0	395.9	377.8	363.6	359.4
105°	490.9	506.4	502.6	491.2	479.6	472.5	468.3
107.5°	467.2	507.1	525.6	531.3	531.3	528.9	526.1
110°	440.4	490.2	520.2	536.1	542.8	545.3	545.3



TEST NUMBER: P333492

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	413.8	464.2	499.6	522.8	534.4	540.5	543.1
115°	375.7	424.1	462.6	490.2	507.1	517.0	521.6
117.5°	349.3	391.0	426.4	453.9	471.5	481.3	484.1
120°	334.3	373.2	404.3	430.5	447.4	457.0	459.8
122.5°	323.6	358.2	387.3	410.7	426.2	435.8	438.3
125°	309.2	340.0	365.4	385.2	399.7	407.5	411.0
127.5°	295.5	324.2	348.0	366.0	378.8	386.1	387.7
130°	285.9	313.5	336.5	354.1	365.8	372.9	375.0
132.5°	276.9	301.9	324.0	341.7	353.3	359.8	362.2
135°	262.9	285.6	305.7	321.3	332.9	339.3	341.4
137.5°	250.5	269.3	286.4	300.3	310.9	316.8	319.1
140°	243.1	259.4	274.2	287.3	296.5	301.8	303.6
142.5°	236.9	250.9	263.8	274.9	282.7	287.7	289.2
145°	229.0	240.0	249.5	258.0	264.0	267.9	269.3
147.5°	222.4	230.9	238.1	244.8	249.6	251.8	252.5
150°	218.8	225.5	231.8	237.1	241.4	242.8	243.1
152.5°	215.1	221.2	226.2	230.6	234.0	235.4	235.8
155°	209.6	214.5	218.4	221.9	224.4	225.5	225.8
157.5°	204.3	208.2	211.2	214.0	216.0	217.0	216.9
160°	200.4	203.9	206.4	208.9	210.6	211.3	211.0
162.5°	197.0	200.0	202.2	204.1	205.5	205.7	205.6
165°	191.9	194.0	195.8	197.2	197.9	197.9	197.9
167.5°	187.0	188.6	189.9	190.6	191.2	190.9	190.8
170°	184.1	185.2	185.9	186.6	187.0	187.0	186.6
172.5°	181.6	182.4	182.8	182.9	183.6	183.0	182.6
175°	177.8	178.5	178.5	178.5	178.8	178.1	177.8
177.5°	176.1	176.1	176.1	175.9	176.1	175.3	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3

(END OF REPORT)