

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: P333497-830

Luminaire Tested: **S125RDIP-S375D590U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333497-830  
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: S125RDIP-S375D590U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3304.0 lumens  
Efficiency: N/A  
Efficacy: 129.1 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

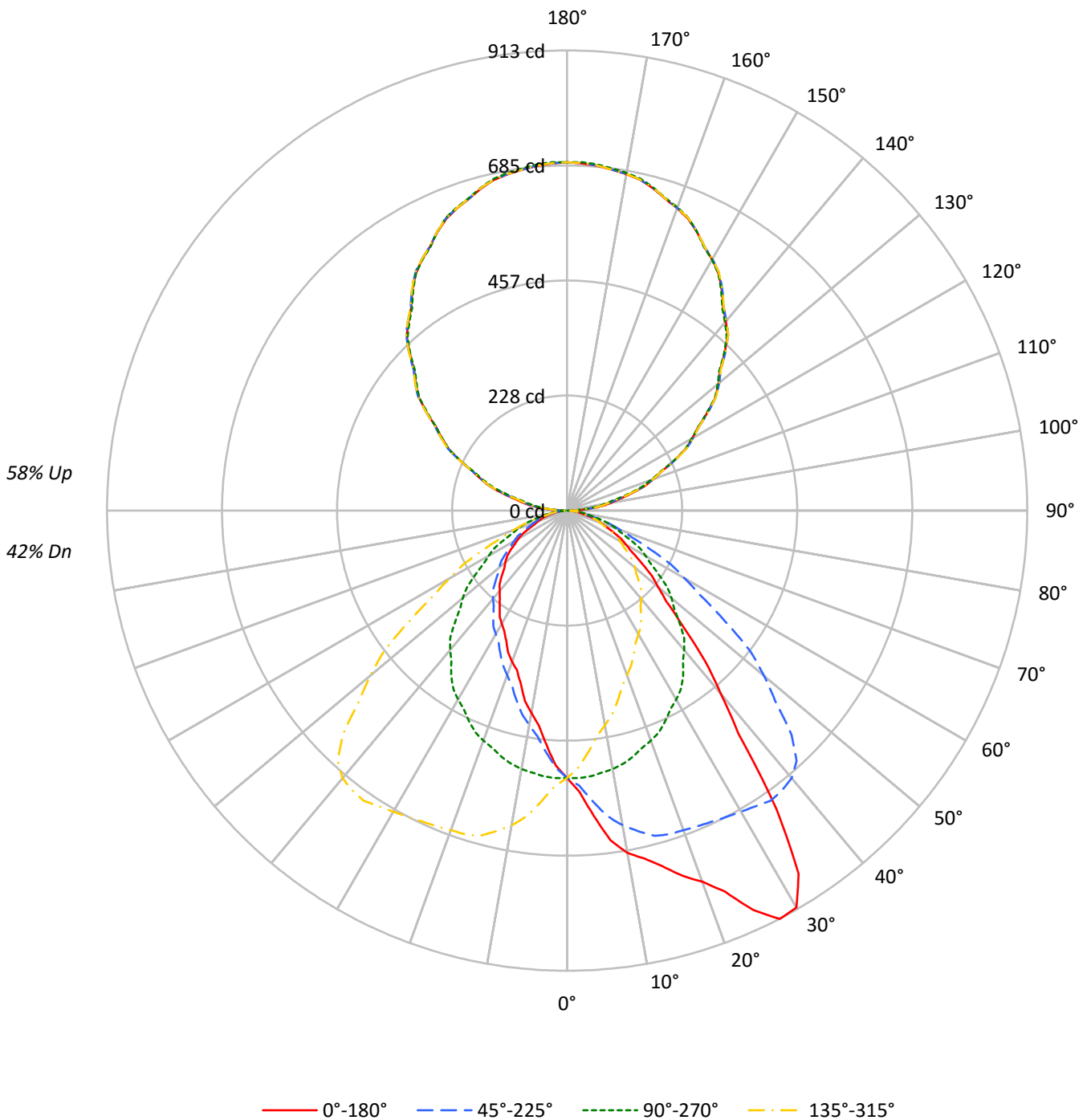
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	42	36
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	39	37	36	31
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	31	26
4	74	63	56	50	67	58	51	46	48	43	40	39	36	33	31	29	27	23
5	68	56	48	43	62	52	45	40	43	38	34	35	32	29	28	25	23	20
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	21	18
7	58	46	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16
8	53	41	34	29	49	38	32	27	32	27	23	27	23	20	21	18	16	14
9	50	38	30	26	45	35	28	24	30	24	21	24	21	18	20	17	15	13
10	46	35	28	23	42	32	26	21	27	22	19	23	19	16	18	15	13	11

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

	0°	90°	180°	270°
0°	3427	3427	3427	3427
5°	3942	3431	3030	3431
10°	4522	3413	2674	3413
15°	4884	3379	2376	3379
20°	5386	3338	2194	3338
25°	6233	3284	2037	3284
30°	6783	3227	1933	3227
35°	5722	3162	1837	3162
40°	3995	3043	1755	3043
45°	2964	2883	1675	2883
50°	2364	2716	1607	2716
55°	2005	2509	1545	2509
60°	1732	2324	1447	2324
65°	1543	2123	1244	2123
70°	1358	1945	1135	1945
75°	1173	1684	1065	1684
80°	889	1417	889	1417
85°	741	1112	837	1112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.9	1.5
10°-20°	149.1	4.5
20°-30°	236.4	7.2
30°-40°	285.1	8.6
40°-50°	254.6	7.7
50°-60°	195.2	5.9
60°-70°	126.9	3.8
70°-80°	61.7	1.9
80°-90°	16.2	0.5
90°-100°	46.3	1.4
100°-110°	136.7	4.1
110°-120°	231.5	7.0
120°-130°	304.6	9.2
130°-140°	341.3	10.3
140°-150°	334.5	10.1
150°-160°	281.0	8.5
160°-170°	186.8	5.7
170°-180°	65.4	2.0
0°-30°	436.4	13.2
0°-40°	721.4	21.8
0°-60°	1171.3	35.4
0°-90°	1376.0	41.6
90°-120°	414.4	12.5
90°-150°	1394.9	42.2
90°-180°	1928.0	58.4
0°-180°	3304.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	531	531	531	531	531	
5°	608	529	467	529	608	61
15°	730	505	355	505	730	209
25°	875	461	286	461	875	402
35°	726	401	233	401	726	438
45°	324	316	183	316	324	259
55°	178	223	137	223	178	162
65°	101	139	81	139	101	101
75°	47	68	43	68	47	50
85°	10	15	11	15	10	12
90°	13	1	13	1	13	8
95°	46	35	46	35	46	47
105°	133	123	133	123	133	141
115°	234	232	234	232	234	231
125°	340	338	340	338	340	304
135°	442	440	442	440	442	341
145°	535	533	535	533	535	334
155°	610	610	610	610	610	281
165°	661	663	661	663	661	186
175°	687	689	687	689	687	65
180°	691	691	691	691	691	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	558.1	557.7	558.5	556.5	556.7	553.7	553.7	551.5	548.5	546.2	545.2
5°	608.0	608.5	607.7	604.4	602.2	598.9	595.2	588.7	583.2	578.0	573.9
7.5°	659.6	659.9	657.0	656.0	650.4	646.5	638.3	629.3	621.5	611.4	603.8
10°	689.6	689.3	686.3	683.8	679.1	673.0	664.9	654.5	644.7	633.8	623.3
12.5°	706.9	706.3	705.4	702.5	698.0	692.7	685.8	675.5	663.5	651.6	639.3
15°	730.5	729.0	726.1	722.4	716.0	709.7	702.2	693.1	681.5	668.0	656.7
17.5°	759.6	759.6	755.3	750.1	741.5	730.4	718.6	703.9	688.2	673.4	661.3
20°	783.6	783.0	778.6	768.5	758.7	744.8	731.3	713.2	694.1	674.7	659.7
22.5°	818.1	816.4	811.9	798.7	783.5	765.5	744.9	722.8	699.6	677.7	657.9
25°	874.7	873.4	864.4	849.1	827.8	800.1	773.2	742.9	709.5	680.6	656.7
27.5°	913.3	911.9	905.2	892.6	872.9	843.8	807.3	766.8	725.2	685.3	650.8
30°	909.5	912.8	911.9	906.0	891.2	865.1	831.3	785.8	736.3	689.6	648.4
32.5°	854.8	857.7	865.3	876.9	877.8	867.3	842.1	800.0	748.9	695.6	646.4
35°	725.7	729.6	744.4	767.7	798.2	823.7	828.9	806.3	760.3	703.0	643.6
37.5°	557.9	579.3	591.8	616.3	662.4	709.3	754.3	770.9	751.4	699.9	638.9
40°	473.9	479.1	501.3	529.0	567.8	616.5	680.8	727.2	728.7	693.1	631.6
42.5°	405.6	412.3	427.4	449.6	482.8	531.5	597.9	659.1	687.4	673.8	622.0
45°	324.5	329.5	340.6	357.6	383.0	423.4	480.4	551.2	607.4	629.4	596.3
47.5°	266.6	269.3	278.9	291.9	310.8	340.1	384.3	445.7	513.1	560.3	555.7
50°	235.3	238.3	245.6	255.4	271.4	296.1	331.5	382.7	452.1	509.8	521.4
52.5°	210.8	213.4	218.0	227.2	240.3	259.4	287.9	334.2	396.7	458.1	484.8
55°	178.1	179.9	183.6	188.8	199.3	213.0	237.6	269.7	320.2	382.0	421.2
57.5°	151.3	152.1	154.5	159.3	166.5	176.5	194.4	221.4	257.7	313.4	356.7
60°	134.1	135.1	138.1	141.4	147.0	156.2	170.1	189.1	223.9	269.8	313.6
62.5°	120.6	121.1	122.4	125.6	130.6	137.7	148.6	164.1	191.8	232.2	273.5
65°	101.0	101.2	101.7	104.3	107.4	112.6	119.8	130.6	151.6	182.1	218.7
67.5°	82.3	82.7	84.2	85.1	88.2	91.0	95.2	103.5	118.3	138.8	167.3
70°	71.9	71.6	73.1	74.3	75.3	78.6	81.4	88.2	97.4	113.0	136.8
72.5°	62.1	61.5	62.2	62.6	64.0	66.3	69.1	73.2	80.3	91.0	109.2
75°	47.0	47.2	47.2	47.7	48.8	49.7	50.5	52.7	56.6	63.8	73.6
77.5°	33.0	32.7	33.6	33.7	34.4	35.3	36.1	36.9	38.5	41.5	46.6
80°	23.9	23.9	24.1	24.8	24.6	25.1	26.1	27.1	28.9	30.7	32.4
82.5°	18.4	18.2	18.4	18.6	18.5	18.9	19.3	19.5	20.3	21.1	22.3
85°	10.0	10.0	10.3	10.3	10.5	10.5	10.7	10.7	10.7	10.9	11.1
87.5°	6.4	6.1	5.9	5.8	5.9	6.2	5.9	5.7	5.5	5.4	5.4
90°	12.9	12.5	12.2	11.9	11.5	11.0	10.4	9.8	9.2	8.6	7.7
92.5°	25.4	25.1	24.9	24.6	24.3	23.8	23.0	22.2	21.4	20.6	19.6
95°	46.3	46.0	45.8	45.5	45.2	44.8	43.9	43.1	42.2	41.4	40.2
97.5°	70.1	69.9	69.8	69.7	69.6	69.1	68.3	67.5	66.7	65.9	64.3
100°	88.2	87.9	87.8	87.5	87.2	86.5	85.5	84.5	83.3	82.3	80.7
102.5°	106.2	105.9	105.6	105.3	104.9	104.2	103.0	101.8	100.7	99.4	98.7
105°	133.4	133.0	132.6	132.2	132.0	131.4	130.6	130.0	129.2	128.5	127.8
107.5°	161.1	161.1	161.2	161.2	161.2	161.0	160.7	160.3	159.9	159.6	159.0
110°	181.7	181.8	182.0	182.1	182.2	182.1	181.7	181.3	181.1	180.7	180.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	202.0	202.2	202.4	202.6	202.8	202.8	202.6	202.6	202.4	202.2	201.7
115°	233.9	234.0	234.1	234.2	234.4	234.5	234.6	234.7	234.9	235.0	234.7
117.5°	265.0	265.6	266.1	266.6	267.0	267.2	267.1	267.0	266.9	266.8	266.6
120°	286.6	287.1	287.6	288.0	288.5	288.7	288.7	288.7	288.7	288.7	288.6
122.5°	308.1	308.5	308.9	309.2	309.6	309.9	310.0	310.1	310.2	310.3	309.9
125°	340.4	340.4	340.6	340.7	340.8	341.0	341.3	341.5	341.8	342.0	341.9
127.5°	371.4	371.6	371.8	372.0	372.3	372.5	372.6	372.7	372.9	373.0	372.8
130°	392.0	392.2	392.5	392.7	392.9	393.1	393.2	393.3	393.5	393.6	393.3
132.5°	411.3	411.7	412.0	412.4	412.6	412.9	413.0	413.1	413.3	413.4	413.4
135°	441.5	442.0	442.4	442.9	443.4	443.6	443.6	443.6	443.6	443.6	443.5
137.5°	470.9	471.6	472.1	472.7	473.3	473.5	473.3	473.3	473.1	473.0	472.7
140°	489.8	490.4	491.1	491.6	492.2	492.4	492.2	491.9	491.7	491.4	491.1
142.5°	507.9	508.5	509.1	509.7	510.3	510.5	510.4	510.2	510.1	509.9	509.5
145°	535.0	535.4	535.7	536.1	536.4	536.6	536.6	536.6	536.6	536.6	536.3
147.5°	558.2	558.9	559.8	560.5	561.4	561.7	561.4	561.1	560.8	560.5	560.2
150°	575.3	575.6	575.8	576.1	576.3	576.4	576.4	576.4	576.4	576.4	575.9
152.5°	589.6	589.9	590.4	590.8	591.3	591.4	591.1	590.8	590.5	590.2	589.9
155°	609.7	610.3	611.0	611.5	612.2	612.2	611.7	611.2	610.8	610.3	610.2
157.5°	626.6	627.5	628.2	629.0	629.8	629.9	629.4	629.0	628.5	628.0	627.9
160°	638.3	638.9	639.4	640.1	640.6	640.6	640.2	639.7	639.2	638.8	638.7
162.5°	648.1	648.8	649.5	650.3	650.9	651.0	650.4	649.8	649.2	648.7	648.7
165°	661.4	662.0	662.8	663.5	664.2	664.4	663.8	663.4	662.9	662.4	662.3
167.5°	671.9	672.6	673.4	674.1	674.9	674.9	674.2	673.4	672.7	672.0	672.0
170°	677.5	678.3	679.2	680.0	680.8	680.9	680.1	679.5	678.7	678.1	678.1
172.5°	682.2	683.0	683.7	684.5	685.2	685.2	684.5	683.8	683.1	682.3	682.3
175°	686.6	687.5	688.3	689.2	689.9	690.0	689.3	688.6	687.9	687.2	687.2
177.5°	689.2	689.8	690.6	691.3	691.9	691.9	691.4	690.8	690.2	689.7	689.8
180°	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	545.2	543.9	541.7	539.6	537.0	534.7	533.1	531.2	528.8	525.8	523.4
5°	569.3	564.5	558.2	552.7	545.7	540.4	534.7	529.2	523.8	516.8	510.7
7.5°	596.1	586.2	576.6	564.4	553.5	543.7	534.2	524.7	515.4	505.5	496.0
10°	612.5	600.4	587.2	571.9	558.0	544.7	532.5	520.5	507.8	496.8	484.8
12.5°	627.7	612.3	597.1	577.9	561.1	544.9	529.3	514.4	501.0	486.5	473.6
15°	641.6	626.3	609.4	585.9	562.5	542.9	524.6	505.3	488.5	472.4	458.0
17.5°	647.0	630.9	611.2	588.6	563.2	538.5	514.9	493.7	473.9	455.2	439.0
20°	644.9	629.4	609.2	587.6	560.3	534.7	509.2	485.7	463.6	443.8	426.7
22.5°	639.8	623.9	604.3	581.5	555.6	528.4	501.1	476.1	453.1	432.5	413.8
25°	632.3	610.5	590.4	568.2	543.6	516.6	488.5	460.8	436.2	415.3	394.8
27.5°	624.3	597.2	571.7	549.6	523.6	499.5	472.4	444.0	418.2	396.9	375.9
30°	617.2	586.7	558.6	533.6	509.0	486.1	460.4	432.7	406.1	384.2	362.9
32.5°	608.3	575.9	545.1	516.1	492.4	469.8	446.5	420.0	394.2	371.5	349.8
35°	597.2	555.8	522.3	491.5	465.2	443.2	422.3	401.0	375.0	351.5	330.4
37.5°	582.6	535.6	496.8	463.4	435.5	413.5	396.9	377.4	353.7	331.3	311.7
40°	573.6	520.9	478.5	445.4	416.2	392.9	377.4	360.9	339.3	318.2	298.6
42.5°	561.8	507.6	460.1	425.6	396.2	373.7	358.1	343.7	325.6	305.7	284.6
45°	538.6	481.5	431.7	394.6	365.0	343.0	328.4	315.6	301.9	283.5	265.2
47.5°	508.4	454.4	402.2	361.7	332.8	312.4	298.2	288.0	278.2	262.7	245.0
50°	484.2	432.1	381.2	342.0	311.0	291.6	278.3	270.3	261.4	247.2	232.3
52.5°	455.5	409.1	359.2	319.1	289.9	271.7	259.0	250.9	243.6	232.1	217.9
55°	410.6	369.8	324.0	287.7	260.9	242.6	230.5	222.8	218.5	208.7	197.6
57.5°	358.5	329.4	289.1	254.0	230.3	212.3	203.3	196.8	191.9	184.9	177.1
60°	322.3	301.9	265.7	232.3	210.6	193.4	185.3	179.9	175.3	169.5	163.3
62.5°	285.6	270.7	239.2	210.6	190.6	176.2	168.6	163.7	158.4	154.5	148.5
65°	236.3	223.0	201.2	178.8	160.3	148.7	143.3	138.9	135.7	131.3	127.1
67.5°	183.8	178.4	163.3	147.9	134.6	124.3	119.6	116.6	112.7	110.1	107.3
70°	151.6	148.9	138.3	128.1	115.6	108.7	104.3	103.0	98.2	95.6	93.7
72.5°	123.0	121.8	115.6	108.6	99.8	93.7	89.7	88.2	85.1	83.0	81.8
75°	84.3	84.7	83.6	79.1	75.8	71.9	68.4	67.5	65.3	63.6	62.5
77.5°	53.3	55.5	55.6	55.4	54.1	51.7	50.2	49.6	47.5	46.8	46.6
80°	36.6	39.0	41.2	40.9	40.5	39.9	38.7	38.1	37.0	36.4	35.9
82.5°	24.4	26.6	28.5	29.6	29.5	28.8	28.2	27.8	27.6	27.1	27.1
85°	11.5	12.0	12.6	14.1	15.3	15.5	15.3	15.0	14.4	14.6	14.8
87.5°	5.4	5.2	5.3	5.1	4.7	5.4	5.7	5.7	5.6	5.4	5.2
90°	7.0	6.1	5.3	4.3	3.4	2.5	1.5	0.6	1.5	2.5	3.4
92.5°	18.6	17.5	16.5	15.6	15.0	14.3	13.7	13.0	13.7	14.3	15.0
95°	39.0	37.8	36.7	35.9	35.6	35.4	35.2	35.0	35.2	35.4	35.6
97.5°	62.6	61.0	59.3	58.4	58.3	58.2	58.2	58.1	58.2	58.2	58.3
100°	79.2	77.6	76.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
102.5°	97.9	97.1	96.3	95.7	95.2	94.7	94.3	93.8	94.3	94.7	95.2
105°	127.1	126.4	125.6	125.0	124.4	123.8	123.2	122.6	123.2	123.8	124.4
107.5°	158.4	158.0	157.4	156.8	156.2	155.6	155.0	154.4	155.0	155.6	156.2
110°	179.9	179.6	179.3	178.8	178.1	177.6	176.9	176.3	176.9	177.6	178.1





TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	201.2	200.9	200.4	200.0	199.6	199.3	199.1	198.7	199.1	199.3	199.6
115°	234.5	234.2	234.0	233.7	233.2	232.7	232.2	231.8	232.2	232.7	233.2
117.5°	266.4	266.2	266.0	265.7	265.5	265.3	265.0	264.9	265.0	265.3	265.5
120°	288.5	288.4	288.2	287.9	287.3	286.7	286.2	285.5	286.2	286.7	287.3
122.5°	309.6	309.3	309.0	308.8	308.5	308.3	308.1	307.9	308.1	308.3	308.5
125°	341.8	341.6	341.5	341.1	340.4	339.6	338.9	338.2	338.9	339.6	340.4
127.5°	372.7	372.5	372.4	372.1	371.6	371.3	370.9	370.5	370.9	371.3	371.6
130°	393.1	392.9	392.7	392.2	391.6	391.1	390.4	389.8	390.4	391.1	391.6
132.5°	413.5	413.5	413.6	413.1	412.1	411.1	410.2	409.2	410.2	411.1	412.1
135°	443.4	443.3	443.1	442.7	442.0	441.3	440.5	439.8	440.5	441.3	442.0
137.5°	472.4	472.2	471.9	471.5	470.7	470.0	469.4	468.6	469.4	470.0	470.7
140°	490.8	490.4	490.0	489.6	488.9	488.3	487.8	487.1	487.8	488.3	488.9
142.5°	509.1	508.6	508.1	507.7	507.2	506.6	506.1	505.7	506.1	506.6	507.2
145°	535.9	535.6	535.2	534.8	534.3	533.9	533.3	532.8	533.3	533.9	534.3
147.5°	560.0	559.6	559.3	559.1	558.8	558.6	558.3	558.0	558.3	558.6	558.8
150°	575.4	575.0	574.5	574.3	574.5	574.6	574.7	574.8	574.7	574.6	574.5
152.5°	589.7	589.6	589.4	589.2	589.1	588.9	588.7	588.5	588.7	588.9	589.1
155°	610.0	609.9	609.8	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7
157.5°	627.8	627.6	627.5	627.6	627.9	628.1	628.4	628.7	628.4	628.1	627.9
160°	638.6	638.4	638.3	638.4	638.8	639.1	639.5	639.9	639.5	639.1	638.8
162.5°	648.7	648.6	648.6	648.7	648.9	649.2	649.5	649.8	649.5	649.2	648.9
165°	662.2	662.0	661.9	662.0	662.2	662.5	662.7	663.0	662.7	662.5	662.2
167.5°	672.0	672.0	672.0	672.2	672.7	673.2	673.7	674.2	673.7	673.2	672.7
170°	678.1	678.1	678.1	678.3	678.7	679.2	679.7	680.1	679.7	679.2	678.7
172.5°	682.3	682.3	682.3	682.6	683.1	683.5	684.0	684.5	684.0	683.5	683.1
175°	687.2	687.2	687.2	687.4	687.9	688.3	688.8	689.3	688.8	688.3	687.9
177.5°	689.8	689.9	690.0	690.2	690.7	691.1	691.4	691.8	691.4	691.1	690.7
180°	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0



TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	521.6	519.2	517.5	514.0	511.5	510.5	508.6	508.0	510.0	508.6	508.4
5°	506.1	499.8	494.8	489.8	484.4	480.9	475.6	474.8	473.4	471.6	471.1
7.5°	487.6	479.3	472.9	464.6	457.4	451.6	445.1	442.0	440.3	437.7	434.3
10°	475.0	465.2	456.5	448.2	439.3	432.1	425.6	420.6	417.3	414.2	412.9
12.5°	462.6	452.6	441.5	431.5	421.5	413.5	406.2	402.9	399.4	395.8	392.8
15°	443.4	430.2	417.9	406.4	397.9	389.2	382.2	377.4	372.0	370.4	364.6
17.5°	423.0	410.0	395.7	383.6	373.7	364.1	356.5	351.0	346.9	341.3	338.7
20°	410.3	394.8	380.9	369.8	358.9	347.6	339.8	335.2	331.3	326.7	324.5
22.5°	396.7	381.6	367.3	354.3	343.3	332.1	326.5	321.8	317.4	313.1	310.2
25°	376.7	361.6	346.5	333.0	321.5	313.4	306.9	301.4	299.1	294.9	291.8
27.5°	357.0	340.8	325.3	311.8	302.7	294.7	289.4	285.1	280.8	277.2	274.5
30°	344.3	327.8	310.8	300.1	290.5	283.0	277.0	272.9	269.7	266.4	264.4
32.5°	331.6	314.5	299.4	287.9	278.9	272.3	266.3	262.2	258.8	255.2	252.9
35°	311.2	293.8	281.6	270.3	261.4	255.2	251.1	245.4	242.6	240.0	237.6
37.5°	292.3	276.1	262.9	253.0	245.2	239.1	233.8	230.7	227.2	224.9	222.9
40°	278.3	263.5	251.6	241.1	235.4	228.7	223.7	219.7	217.2	214.1	211.9
42.5°	265.8	252.0	240.3	231.0	223.9	218.2	213.4	209.4	206.1	204.0	202.2
45°	248.1	234.3	223.0	214.3	207.7	202.4	197.3	195.4	191.0	188.4	187.5
47.5°	229.7	217.4	206.5	198.5	191.8	186.6	181.9	178.0	175.5	173.0	171.5
50°	217.4	205.6	195.4	187.5	181.0	175.3	171.0	168.3	165.0	162.7	161.0
52.5°	205.0	194.1	183.9	176.3	170.7	165.0	160.1	157.6	154.5	153.0	151.7
55°	187.3	175.8	167.0	159.7	153.7	148.5	143.9	141.4	139.4	137.9	137.4
57.5°	167.3	158.2	150.1	143.4	137.2	132.3	128.3	125.8	124.1	123.9	122.5
60°	154.2	145.9	138.6	131.3	126.1	121.5	118.0	115.2	113.5	113.3	112.8
62.5°	141.1	133.2	126.3	120.0	115.3	110.9	107.5	104.4	103.4	102.3	101.3
65°	121.8	114.5	108.9	103.9	98.9	95.2	91.9	89.9	87.6	86.2	83.9
67.5°	102.7	97.2	91.7	87.5	83.5	80.0	77.3	74.4	72.8	71.7	70.0
70°	90.2	85.8	80.4	75.8	72.8	69.9	67.8	64.5	63.3	62.5	61.6
72.5°	78.3	74.5	69.9	66.2	63.2	60.5	58.0	56.5	55.3	54.5	54.0
75°	61.6	58.0	54.0	51.4	49.2	47.0	45.7	44.7	44.2	44.0	43.2
77.5°	45.2	43.3	40.2	38.1	36.7	35.7	34.6	34.0	33.9	33.0	32.7
80°	34.6	33.6	30.9	30.1	28.9	28.1	27.4	26.4	25.3	24.8	24.1
82.5°	25.7	24.7	23.6	22.2	21.3	20.7	20.2	19.7	19.9	19.2	18.9
85°	13.8	12.6	12.2	12.0	11.5	12.0	11.8	11.5	11.3	11.1	11.3
87.5°	5.2	5.4	5.4	5.9	5.6	5.9	6.0	5.9	6.1	6.2	6.1
90°	4.3	5.3	6.1	7.0	7.7	8.6	9.2	9.8	10.4	11.0	11.5
92.5°	15.6	16.5	17.5	18.6	19.6	20.6	21.4	22.2	23.0	23.8	24.3
95°	35.9	36.7	37.8	39.0	40.2	41.4	42.2	43.1	43.9	44.8	45.2
97.5°	58.4	59.3	61.0	62.6	64.3	65.9	66.7	67.5	68.3	69.1	69.6
100°	75.3	76.1	77.6	79.2	80.7	82.3	83.3	84.5	85.5	86.5	87.2
102.5°	95.7	96.3	97.1	97.9	98.7	99.4	100.7	101.8	103.0	104.2	104.9
105°	125.0	125.6	126.4	127.1	127.8	128.5	129.2	130.0	130.6	131.4	132.0
107.5°	156.8	157.4	158.0	158.4	159.0	159.6	159.9	160.3	160.7	161.0	161.2
110°	178.8	179.3	179.6	179.9	180.3	180.7	181.1	181.3	181.7	182.1	182.2



TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	200.0	200.4	200.9	201.2	201.7	202.2	202.4	202.6	202.6	202.8	202.8
115°	233.7	234.0	234.2	234.5	234.7	235.0	234.9	234.7	234.6	234.5	234.4
117.5°	265.7	266.0	266.2	266.4	266.6	266.8	266.9	267.0	267.1	267.2	267.0
120°	287.9	288.2	288.4	288.5	288.6	288.7	288.7	288.7	288.7	288.7	288.5
122.5°	308.8	309.0	309.3	309.6	309.9	310.3	310.2	310.1	310.0	309.9	309.6
125°	341.1	341.5	341.6	341.8	341.9	342.0	341.8	341.5	341.3	341.0	340.8
127.5°	372.1	372.4	372.5	372.7	372.8	373.0	372.9	372.7	372.6	372.5	372.3
130°	392.2	392.7	392.9	393.1	393.3	393.6	393.5	393.3	393.2	393.1	392.9
132.5°	413.1	413.6	413.5	413.5	413.4	413.4	413.3	413.1	413.0	412.9	412.6
135°	442.7	443.1	443.3	443.4	443.5	443.6	443.6	443.6	443.6	443.6	443.4
137.5°	471.5	471.9	472.2	472.4	472.7	473.0	473.1	473.3	473.3	473.5	473.3
140°	489.6	490.0	490.4	490.8	491.1	491.4	491.7	491.9	492.2	492.4	492.2
142.5°	507.7	508.1	508.6	509.1	509.5	509.9	510.1	510.2	510.4	510.5	510.3
145°	534.8	535.2	535.6	535.9	536.3	536.6	536.6	536.6	536.6	536.6	536.4
147.5°	559.1	559.3	559.6	560.0	560.2	560.5	560.8	561.1	561.4	561.7	561.4
150°	574.3	574.5	575.0	575.4	575.9	576.4	576.4	576.4	576.4	576.4	576.3
152.5°	589.2	589.4	589.6	589.7	589.9	590.2	590.5	590.8	591.1	591.4	591.3
155°	609.7	609.8	609.9	610.0	610.2	610.3	610.8	611.2	611.7	612.2	612.2
157.5°	627.6	627.5	627.6	627.8	627.9	628.0	628.5	629.0	629.4	629.9	629.8
160°	638.4	638.3	638.4	638.6	638.7	638.8	639.2	639.7	640.2	640.6	640.6
162.5°	648.7	648.6	648.6	648.7	648.7	648.7	649.2	649.8	650.4	651.0	650.9
165°	662.0	661.9	662.0	662.2	662.3	662.4	662.9	663.4	663.8	664.4	664.2
167.5°	672.2	672.0	672.0	672.0	672.0	672.0	672.7	673.4	674.2	674.9	674.9
170°	678.3	678.1	678.1	678.1	678.1	678.1	678.7	679.5	680.1	680.9	680.8
172.5°	682.6	682.3	682.3	682.3	682.3	682.3	683.1	683.8	684.5	685.2	685.2
175°	687.4	687.2	687.2	687.2	687.2	687.2	687.9	688.6	689.3	690.0	689.9
177.5°	690.2	690.0	689.9	689.8	689.8	689.7	690.2	690.8	691.4	691.9	691.9
180°	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0



TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	508.2	506.3	505.8	506.5	505.8	506.3	508.2	508.4	508.6	510.0	508.0
5°	468.9	466.7	467.8	467.4	467.8	466.7	468.9	471.1	471.6	473.4	474.8
7.5°	434.3	431.6	428.8	429.6	428.8	431.6	434.3	434.3	437.7	440.3	442.0
10°	410.1	407.9	406.6	407.7	406.6	407.9	410.1	412.9	414.2	417.3	420.6
12.5°	389.7	388.4	387.3	386.8	387.3	388.4	389.7	392.8	395.8	399.4	402.9
15°	361.9	359.4	358.3	355.4	358.3	359.4	361.9	364.6	370.4	372.0	377.4
17.5°	336.4	335.5	332.7	331.5	332.7	335.5	336.4	338.7	341.3	346.9	351.0
20°	321.2	320.4	317.5	319.2	317.5	320.4	321.2	324.5	326.7	331.3	335.2
22.5°	308.7	306.8	305.9	305.4	305.9	306.8	308.7	310.2	313.1	317.4	321.8
25°	291.0	288.1	287.0	285.8	287.0	288.1	291.0	291.8	294.9	299.1	301.4
27.5°	273.2	271.7	270.3	269.9	270.3	271.7	273.2	274.5	277.2	280.8	285.1
30°	261.7	260.2	259.2	259.2	259.2	260.2	261.7	264.4	266.4	269.7	272.9
32.5°	251.5	250.3	249.2	249.0	249.2	250.3	251.5	252.9	255.2	258.8	262.2
35°	236.5	234.8	234.3	233.0	234.3	234.8	236.5	237.6	240.0	242.6	245.4
37.5°	220.9	219.5	219.5	219.3	219.5	219.5	220.9	222.9	224.9	227.2	230.7
40°	211.0	209.9	209.7	208.2	209.7	209.9	211.0	211.9	214.1	217.2	219.7
42.5°	200.4	199.8	199.1	198.4	199.1	199.8	200.4	202.2	204.0	206.1	209.4
45°	186.0	184.5	184.5	183.4	184.5	184.5	186.0	187.5	188.4	191.0	195.4
47.5°	171.1	169.9	170.0	168.9	170.0	169.9	171.1	171.5	173.0	175.5	178.0
50°	161.2	160.5	160.3	159.9	160.3	160.5	161.2	161.0	162.7	165.0	168.3
52.5°	151.3	150.9	151.7	150.8	151.7	150.9	151.3	151.7	153.0	154.5	157.6
55°	137.9	137.2	138.6	137.2	138.6	137.2	137.9	137.4	137.9	139.4	141.4
57.5°	122.5	121.9	123.1	122.4	123.1	121.9	122.5	122.5	123.9	124.1	125.8
60°	112.4	111.0	111.7	112.0	111.7	111.0	112.4	112.8	113.3	113.5	115.2
62.5°	100.4	99.5	100.1	99.1	100.1	99.5	100.4	101.3	102.3	103.4	104.4
65°	83.4	82.8	81.9	81.4	81.9	82.8	83.4	83.9	86.2	87.6	89.9
67.5°	70.1	68.5	68.4	68.8	68.4	68.5	70.1	70.0	71.7	72.8	74.4
70°	60.3	60.3	60.1	60.1	60.1	60.3	60.3	61.6	62.5	63.3	64.5
72.5°	53.5	53.3	53.0	52.8	53.0	53.3	53.5	54.0	54.5	55.3	56.5
75°	43.2	43.4	42.9	42.7	42.9	43.4	43.2	43.2	44.0	44.2	44.7
77.5°	31.9	30.9	31.4	30.9	31.4	30.9	31.9	32.7	33.0	33.9	34.0
80°	24.1	23.9	24.6	23.9	24.6	23.9	24.1	24.1	24.8	25.3	26.4
82.5°	19.1	18.9	19.2	18.8	19.2	18.9	19.1	18.9	19.2	19.9	19.7
85°	11.5	11.3	11.1	11.3	11.1	11.3	11.5	11.3	11.1	11.3	11.5
87.5°	6.4	6.3	6.3	6.4	6.3	6.3	6.4	6.1	6.2	6.1	5.9
90°	11.9	12.2	12.5	12.9	12.5	12.2	11.9	11.5	11.0	10.4	9.8
92.5°	24.6	24.9	25.1	25.4	25.1	24.9	24.6	24.3	23.8	23.0	22.2
95°	45.5	45.8	46.0	46.3	46.0	45.8	45.5	45.2	44.8	43.9	43.1
97.5°	69.7	69.8	69.9	70.1	69.9	69.8	69.7	69.6	69.1	68.3	67.5
100°	87.5	87.8	87.9	88.2	87.9	87.8	87.5	87.2	86.5	85.5	84.5
102.5°	105.3	105.6	105.9	106.2	105.9	105.6	105.3	104.9	104.2	103.0	101.8
105°	132.2	132.6	133.0	133.4	133.0	132.6	132.2	132.0	131.4	130.6	130.0
107.5°	161.2	161.2	161.1	161.1	161.1	161.2	161.2	161.2	161.0	160.7	160.3
110°	182.1	182.0	181.8	181.7	181.8	182.0	182.1	182.2	182.1	181.7	181.3



TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	202.6	202.4	202.2	202.0	202.2	202.4	202.6	202.8	202.8	202.6	202.6
115°	234.2	234.1	234.0	233.9	234.0	234.1	234.2	234.4	234.5	234.6	234.7
117.5°	266.6	266.1	265.6	265.0	265.6	266.1	266.6	267.0	267.2	267.1	267.0
120°	288.0	287.6	287.1	286.6	287.1	287.6	288.0	288.5	288.7	288.7	288.7
122.5°	309.2	308.9	308.5	308.1	308.5	308.9	309.2	309.6	309.9	310.0	310.1
125°	340.7	340.6	340.4	340.4	340.4	340.6	340.7	340.8	341.0	341.3	341.5
127.5°	372.0	371.8	371.6	371.4	371.6	371.8	372.0	372.3	372.5	372.6	372.7
130°	392.7	392.5	392.2	392.0	392.2	392.5	392.7	392.9	393.1	393.2	393.3
132.5°	412.4	412.0	411.7	411.3	411.7	412.0	412.4	412.6	412.9	413.0	413.1
135°	442.9	442.4	442.0	441.5	442.0	442.4	442.9	443.4	443.6	443.6	443.6
137.5°	472.7	472.1	471.6	470.9	471.6	472.1	472.7	473.3	473.5	473.3	473.3
140°	491.6	491.1	490.4	489.8	490.4	491.1	491.6	492.2	492.4	492.2	491.9
142.5°	509.7	509.1	508.5	507.9	508.5	509.1	509.7	510.3	510.5	510.4	510.2
145°	536.1	535.7	535.4	535.0	535.4	535.7	536.1	536.4	536.6	536.6	536.6
147.5°	560.5	559.8	558.9	558.2	558.9	559.8	560.5	561.4	561.7	561.4	561.1
150°	576.1	575.8	575.6	575.3	575.6	575.8	576.1	576.3	576.4	576.4	576.4
152.5°	590.8	590.4	589.9	589.6	589.9	590.4	590.8	591.3	591.4	591.1	590.8
155°	611.5	611.0	610.3	609.7	610.3	611.0	611.5	612.2	612.2	611.7	611.2
157.5°	629.0	628.2	627.5	626.6	627.5	628.2	629.0	629.8	629.9	629.4	629.0
160°	640.1	639.4	638.9	638.3	638.9	639.4	640.1	640.6	640.6	640.2	639.7
162.5°	650.3	649.5	648.8	648.1	648.8	649.5	650.3	650.9	651.0	650.4	649.8
165°	663.5	662.8	662.0	661.4	662.0	662.8	663.5	664.2	664.4	663.8	663.4
167.5°	674.1	673.4	672.6	671.9	672.6	673.4	674.1	674.9	674.9	674.2	673.4
170°	680.0	679.2	678.3	677.5	678.3	679.2	680.0	680.8	680.9	680.1	679.5
172.5°	684.5	683.7	683.0	682.2	683.0	683.7	684.5	685.2	685.2	684.5	683.8
175°	689.2	688.3	687.5	686.6	687.5	688.3	689.2	689.9	690.0	689.3	688.6
177.5°	691.3	690.6	689.8	689.2	689.8	690.6	691.3	691.9	691.9	691.4	690.8
180°	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0



TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	508.6	510.5	511.5	514.0	517.5	519.2	521.6	523.4	525.8	528.8	531.2
5°	475.6	480.9	484.4	489.8	494.8	499.8	506.1	510.7	516.8	523.8	529.2
7.5°	445.1	451.6	457.4	464.6	472.9	479.3	487.6	496.0	505.5	515.4	524.7
10°	425.6	432.1	439.3	448.2	456.5	465.2	475.0	484.8	496.8	507.8	520.5
12.5°	406.2	413.5	421.5	431.5	441.5	452.6	462.6	473.6	486.5	501.0	514.4
15°	382.2	389.2	397.9	406.4	417.9	430.2	443.4	458.0	472.4	488.5	505.3
17.5°	356.5	364.1	373.7	383.6	395.7	410.0	423.0	439.0	455.2	473.9	493.7
20°	339.8	347.6	358.9	369.8	380.9	394.8	410.3	426.7	443.8	463.6	485.7
22.5°	326.5	332.1	343.3	354.3	367.3	381.6	396.7	413.8	432.5	453.1	476.1
25°	306.9	313.4	321.5	333.0	346.5	361.6	376.7	394.8	415.3	436.2	460.8
27.5°	289.4	294.7	302.7	311.8	325.3	340.8	357.0	375.9	396.9	418.2	444.0
30°	277.0	283.0	290.5	300.1	310.8	327.8	344.3	362.9	384.2	406.1	432.7
32.5°	266.3	272.3	278.9	287.9	299.4	314.5	331.6	349.8	371.5	394.2	420.0
35°	251.1	255.2	261.4	270.3	281.6	293.8	311.2	330.4	351.5	375.0	401.0
37.5°	233.8	239.1	245.2	253.0	262.9	276.1	292.3	311.7	331.3	353.7	377.4
40°	223.7	228.7	235.4	241.1	251.6	263.5	278.3	298.6	318.2	339.3	360.9
42.5°	213.4	218.2	223.9	231.0	240.3	252.0	265.8	284.6	305.7	325.6	343.7
45°	197.3	202.4	207.7	214.3	223.0	234.3	248.1	265.2	283.5	301.9	315.6
47.5°	181.9	186.6	191.8	198.5	206.5	217.4	229.7	245.0	262.7	278.2	288.0
50°	171.0	175.3	181.0	187.5	195.4	205.6	217.4	232.3	247.2	261.4	270.3
52.5°	160.1	165.0	170.7	176.3	183.9	194.1	205.0	217.9	232.1	243.6	250.9
55°	143.9	148.5	153.7	159.7	167.0	175.8	187.3	197.6	208.7	218.5	222.8
57.5°	128.3	132.3	137.2	143.4	150.1	158.2	167.3	177.1	184.9	191.9	196.8
60°	118.0	121.5	126.1	131.3	138.6	145.9	154.2	163.3	169.5	175.3	179.9
62.5°	107.5	110.9	115.3	120.0	126.3	133.2	141.1	148.5	154.5	158.4	163.7
65°	91.9	95.2	98.9	103.9	108.9	114.5	121.8	127.1	131.3	135.7	138.9
67.5°	77.3	80.0	83.5	87.5	91.7	97.2	102.7	107.3	110.1	112.7	116.6
70°	67.8	69.9	72.8	75.8	80.4	85.8	90.2	93.7	95.6	98.2	103.0
72.5°	58.0	60.5	63.2	66.2	69.9	74.5	78.3	81.8	83.0	85.1	88.2
75°	45.7	47.0	49.2	51.4	54.0	58.0	61.6	62.5	63.6	65.3	67.5
77.5°	34.6	35.7	36.7	38.1	40.2	43.3	45.2	46.6	46.8	47.5	49.6
80°	27.4	28.1	28.9	30.1	30.9	33.6	34.6	35.9	36.4	37.0	38.1
82.5°	20.2	20.7	21.3	22.2	23.6	24.7	25.7	27.1	27.1	27.6	27.8
85°	11.8	12.0	11.5	12.0	12.2	12.6	13.8	14.8	14.6	14.4	15.0
87.5°	6.0	5.9	5.6	5.9	5.4	5.4	5.2	5.2	5.4	5.6	5.7
90°	9.2	8.6	7.7	7.0	6.1	5.3	4.3	3.4	2.5	1.5	0.6
92.5°	21.4	20.6	19.6	18.6	17.5	16.5	15.6	15.0	14.3	13.7	13.0
95°	42.2	41.4	40.2	39.0	37.8	36.7	35.9	35.6	35.4	35.2	35.0
97.5°	66.7	65.9	64.3	62.6	61.0	59.3	58.4	58.3	58.2	58.2	58.1
100°	83.3	82.3	80.7	79.2	77.6	76.1	75.3	75.3	75.3	75.3	75.3
102.5°	100.7	99.4	98.7	97.9	97.1	96.3	95.7	95.2	94.7	94.3	93.8
105°	129.2	128.5	127.8	127.1	126.4	125.6	125.0	124.4	123.8	123.2	122.6
107.5°	159.9	159.6	159.0	158.4	158.0	157.4	156.8	156.2	155.6	155.0	154.4
110°	181.1	180.7	180.3	179.9	179.6	179.3	178.8	178.1	177.6	176.9	176.3



TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	202.4	202.2	201.7	201.2	200.9	200.4	200.0	199.6	199.3	199.1	198.7
115°	234.9	235.0	234.7	234.5	234.2	234.0	233.7	233.2	232.7	232.2	231.8
117.5°	266.9	266.8	266.6	266.4	266.2	266.0	265.7	265.5	265.3	265.0	264.9
120°	288.7	288.7	288.6	288.5	288.4	288.2	287.9	287.3	286.7	286.2	285.5
122.5°	310.2	310.3	309.9	309.6	309.3	309.0	308.8	308.5	308.3	308.1	307.9
125°	341.8	342.0	341.9	341.8	341.6	341.5	341.1	340.4	339.6	338.9	338.2
127.5°	372.9	373.0	372.8	372.7	372.5	372.4	372.1	371.6	371.3	370.9	370.5
130°	393.5	393.6	393.3	393.1	392.9	392.7	392.2	391.6	391.1	390.4	389.8
132.5°	413.3	413.4	413.4	413.5	413.5	413.6	413.1	412.1	411.1	410.2	409.2
135°	443.6	443.6	443.5	443.4	443.3	443.1	442.7	442.0	441.3	440.5	439.8
137.5°	473.1	473.0	472.7	472.4	472.2	471.9	471.5	470.7	470.0	469.4	468.6
140°	491.7	491.4	491.1	490.8	490.4	490.0	489.6	488.9	488.3	487.8	487.1
142.5°	510.1	509.9	509.5	509.1	508.6	508.1	507.7	507.2	506.6	506.1	505.7
145°	536.6	536.6	536.3	535.9	535.6	535.2	534.8	534.3	533.9	533.3	532.8
147.5°	560.8	560.5	560.2	560.0	559.6	559.3	559.1	558.8	558.6	558.3	558.0
150°	576.4	576.4	575.9	575.4	575.0	574.5	574.3	574.5	574.6	574.7	574.8
152.5°	590.5	590.2	589.9	589.7	589.6	589.4	589.2	589.1	588.9	588.7	588.5
155°	610.8	610.3	610.2	610.0	609.9	609.8	609.7	609.7	609.7	609.7	609.7
157.5°	628.5	628.0	627.9	627.8	627.6	627.5	627.6	627.9	628.1	628.4	628.7
160°	639.2	638.8	638.7	638.6	638.4	638.3	638.4	638.8	639.1	639.5	639.9
162.5°	649.2	648.7	648.7	648.7	648.6	648.6	648.7	648.9	649.2	649.5	649.8
165°	662.9	662.4	662.3	662.2	662.0	661.9	662.0	662.2	662.5	662.7	663.0
167.5°	672.7	672.0	672.0	672.0	672.0	672.0	672.2	672.7	673.2	673.7	674.2
170°	678.7	678.1	678.1	678.1	678.1	678.1	678.3	678.7	679.2	679.7	680.1
172.5°	683.1	682.3	682.3	682.3	682.3	682.3	682.6	683.1	683.5	684.0	684.5
175°	687.9	687.2	687.2	687.2	687.2	687.2	687.4	687.9	688.3	688.8	689.3
177.5°	690.2	689.7	689.8	689.8	689.9	690.0	690.2	690.7	691.1	691.4	691.8
180°	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0



TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	533.1	534.7	537.0	539.6	541.7	543.9	545.2	545.2	546.2	548.5	551.5
5°	534.7	540.4	545.7	552.7	558.2	564.5	569.3	573.9	578.0	583.2	588.7
7.5°	534.2	543.7	553.5	564.4	576.6	586.2	596.1	603.8	611.4	621.5	629.3
10°	532.5	544.7	558.0	571.9	587.2	600.4	612.5	623.3	633.8	644.7	654.5
12.5°	529.3	544.9	561.1	577.9	597.1	612.3	627.7	639.3	651.6	663.5	675.5
15°	524.6	542.9	562.5	585.9	609.4	626.3	641.6	656.7	668.0	681.5	693.1
17.5°	514.9	538.5	563.2	588.6	611.2	630.9	647.0	661.3	673.4	688.2	703.9
20°	509.2	534.7	560.3	587.6	609.2	629.4	644.9	659.7	674.7	694.1	713.2
22.5°	501.1	528.4	555.6	581.5	604.3	623.9	639.8	657.9	677.7	699.6	722.8
25°	488.5	516.6	543.6	568.2	590.4	610.5	632.3	656.7	680.6	709.5	742.9
27.5°	472.4	499.5	523.6	549.6	571.7	597.2	624.3	650.8	685.3	725.2	766.8
30°	460.4	486.1	509.0	533.6	558.6	586.7	617.2	648.4	689.6	736.3	785.8
32.5°	446.5	469.8	492.4	516.1	545.1	575.9	608.3	646.4	695.6	748.9	800.0
35°	422.3	443.2	465.2	491.5	522.3	555.8	597.2	643.6	703.0	760.3	806.3
37.5°	396.9	413.5	435.5	463.4	496.8	535.6	582.6	638.9	699.9	751.4	770.9
40°	377.4	392.9	416.2	445.4	478.5	520.9	573.6	631.6	693.1	728.7	727.2
42.5°	358.1	373.7	396.2	425.6	460.1	507.6	561.8	622.0	673.8	687.4	659.1
45°	328.4	343.0	365.0	394.6	431.7	481.5	538.6	596.3	629.4	607.4	551.2
47.5°	298.2	312.4	332.8	361.7	402.2	454.4	508.4	555.7	560.3	513.1	445.7
50°	278.3	291.6	311.0	342.0	381.2	432.1	484.2	521.4	509.8	452.1	382.7
52.5°	259.0	271.7	289.9	319.1	359.2	409.1	455.5	484.8	458.1	396.7	334.2
55°	230.5	242.6	260.9	287.7	324.0	369.8	410.6	421.2	382.0	320.2	269.7
57.5°	203.3	212.3	230.3	254.0	289.1	329.4	358.5	356.7	313.4	257.7	221.4
60°	185.3	193.4	210.6	232.3	265.7	301.9	322.3	313.6	269.8	223.9	189.1
62.5°	168.6	176.2	190.6	210.6	239.2	270.7	285.6	273.5	232.2	191.8	164.1
65°	143.3	148.7	160.3	178.8	201.2	223.0	236.3	218.7	182.1	151.6	130.6
67.5°	119.6	124.3	134.6	147.9	163.3	178.4	183.8	167.3	138.8	118.3	103.5
70°	104.3	108.7	115.6	128.1	138.3	148.9	151.6	136.8	113.0	97.4	88.2
72.5°	89.7	93.7	99.8	108.6	115.6	121.8	123.0	109.2	91.0	80.3	73.2
75°	68.4	71.9	75.8	79.1	83.6	84.7	84.3	73.6	63.8	56.6	52.7
77.5°	50.2	51.7	54.1	55.4	55.6	55.5	53.3	46.6	41.5	38.5	36.9
80°	38.7	39.9	40.5	40.9	41.2	39.0	36.6	32.4	30.7	28.9	27.1
82.5°	28.2	28.8	29.5	29.6	28.5	26.6	24.4	22.3	21.1	20.3	19.5
85°	15.3	15.5	15.3	14.1	12.6	12.0	11.5	11.1	10.9	10.7	10.7
87.5°	5.7	5.4	4.7	5.1	5.3	5.2	5.4	5.4	5.4	5.5	5.7
90°	1.5	2.5	3.4	4.3	5.3	6.1	7.0	7.7	8.6	9.2	9.8
92.5°	13.7	14.3	15.0	15.6	16.5	17.5	18.6	19.6	20.6	21.4	22.2
95°	35.2	35.4	35.6	35.9	36.7	37.8	39.0	40.2	41.4	42.2	43.1
97.5°	58.2	58.2	58.3	58.4	59.3	61.0	62.6	64.3	65.9	66.7	67.5
100°	75.3	75.3	75.3	75.3	76.1	77.6	79.2	80.7	82.3	83.3	84.5
102.5°	94.3	94.7	95.2	95.7	96.3	97.1	97.9	98.7	99.4	100.7	101.8
105°	123.2	123.8	124.4	125.0	125.6	126.4	127.1	127.8	128.5	129.2	130.0
107.5°	155.0	155.6	156.2	156.8	157.4	158.0	158.4	159.0	159.6	159.9	160.3
110°	176.9	177.6	178.1	178.8	179.3	179.6	179.9	180.3	180.7	181.1	181.3





TEST NUMBER: P333497-830

CATALOG NUMBER: S125RDIP-S375D590U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	199.1	199.3	199.6	200.0	200.4	200.9	201.2	201.7	202.2	202.4	202.6
115°	232.2	232.7	233.2	233.7	234.0	234.2	234.5	234.7	235.0	234.9	234.7
117.5°	265.0	265.3	265.5	265.7	266.0	266.2	266.4	266.6	266.8	266.9	267.0
120°	286.2	286.7	287.3	287.9	288.2	288.4	288.5	288.6	288.7	288.7	288.7
122.5°	308.1	308.3	308.5	308.8	309.0	309.3	309.6	309.9	310.3	310.2	310.1
125°	338.9	339.6	340.4	341.1	341.5	341.6	341.8	341.9	342.0	341.8	341.5
127.5°	370.9	371.3	371.6	372.1	372.4	372.5	372.7	372.8	373.0	372.9	372.7
130°	390.4	391.1	391.6	392.2	392.7	392.9	393.1	393.3	393.6	393.5	393.3
132.5°	410.2	411.1	412.1	413.1	413.6	413.5	413.5	413.4	413.4	413.3	413.1
135°	440.5	441.3	442.0	442.7	443.1	443.3	443.4	443.5	443.6	443.6	443.6
137.5°	469.4	470.0	470.7	471.5	471.9	472.2	472.4	472.7	473.0	473.1	473.3
140°	487.8	488.3	488.9	489.6	490.0	490.4	490.8	491.1	491.4	491.7	491.9
142.5°	506.1	506.6	507.2	507.7	508.1	508.6	509.1	509.5	509.9	510.1	510.2
145°	533.3	533.9	534.3	534.8	535.2	535.6	535.9	536.3	536.6	536.6	536.6
147.5°	558.3	558.6	558.8	559.1	559.3	559.6	560.0	560.2	560.5	560.8	561.1
150°	574.7	574.6	574.5	574.3	574.5	575.0	575.4	575.9	576.4	576.4	576.4
152.5°	588.7	588.9	589.1	589.2	589.4	589.6	589.7	589.9	590.2	590.5	590.8
155°	609.7	609.7	609.7	609.7	609.8	609.9	610.0	610.2	610.3	610.8	611.2
157.5°	628.4	628.1	627.9	627.6	627.5	627.6	627.8	627.9	628.0	628.5	629.0
160°	639.5	639.1	638.8	638.4	638.3	638.4	638.6	638.7	638.8	639.2	639.7
162.5°	649.5	649.2	648.9	648.7	648.6	648.6	648.7	648.7	648.7	649.2	649.8
165°	662.7	662.5	662.2	662.0	661.9	662.0	662.2	662.3	662.4	662.9	663.4
167.5°	673.7	673.2	672.7	672.2	672.0	672.0	672.0	672.0	672.0	672.7	673.4
170°	679.7	679.2	678.7	678.3	678.1	678.1	678.1	678.1	678.1	678.7	679.5
172.5°	684.0	683.5	683.1	682.6	682.3	682.3	682.3	682.3	682.3	683.1	683.8
175°	688.8	688.3	687.9	687.4	687.2	687.2	687.2	687.2	687.2	687.9	688.6
177.5°	691.4	691.1	690.7	690.2	690.0	689.9	689.8	689.8	689.7	690.2	690.8
180°	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0	691.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	553.7	553.7	556.7	556.5	558.5	557.7	558.1
5°	595.2	598.9	602.2	604.4	607.7	608.5	608.0
7.5°	638.3	646.5	650.4	656.0	657.0	659.9	659.6
10°	664.9	673.0	679.1	683.8	686.3	689.3	689.6
12.5°	685.8	692.7	698.0	702.5	705.4	706.3	706.9
15°	702.2	709.7	716.0	722.4	726.1	729.0	730.5
17.5°	718.6	730.4	741.5	750.1	755.3	759.6	759.6
20°	731.3	744.8	758.7	768.5	778.6	783.0	783.6
22.5°	744.9	765.5	783.5	798.7	811.9	816.4	818.1
25°	773.2	800.1	827.8	849.1	864.4	873.4	874.7
27.5°	807.3	843.8	872.9	892.6	905.2	911.9	913.3
30°	831.3	865.1	891.2	906.0	911.9	912.8	909.5
32.5°	842.1	867.3	877.8	876.9	865.3	857.7	854.8
35°	828.9	823.7	798.2	767.7	744.4	729.6	725.7
37.5°	754.3	709.3	662.4	616.3	591.8	579.3	557.9
40°	680.8	616.5	567.8	529.0	501.3	479.1	473.9
42.5°	597.9	531.5	482.8	449.6	427.4	412.3	405.6
45°	480.4	423.4	383.0	357.6	340.6	329.5	324.5
47.5°	384.3	340.1	310.8	291.9	278.9	269.3	266.6
50°	331.5	296.1	271.4	255.4	245.6	238.3	235.3
52.5°	287.9	259.4	240.3	227.2	218.0	213.4	210.8
55°	237.6	213.0	199.3	188.8	183.6	179.9	178.1
57.5°	194.4	176.5	166.5	159.3	154.5	152.1	151.3
60°	170.1	156.2	147.0	141.4	138.1	135.1	134.1
62.5°	148.6	137.7	130.6	125.6	122.4	121.1	120.6
65°	119.8	112.6	107.4	104.3	101.7	101.2	101.0
67.5°	95.2	91.0	88.2	85.1	84.2	82.7	82.3
70°	81.4	78.6	75.3	74.3	73.1	71.6	71.9
72.5°	69.1	66.3	64.0	62.6	62.2	61.5	62.1
75°	50.5	49.7	48.8	47.7	47.2	47.2	47.0
77.5°	36.1	35.3	34.4	33.7	33.6	32.7	33.0
80°	26.1	25.1	24.6	24.8	24.1	23.9	23.9
82.5°	19.3	18.9	18.5	18.6	18.4	18.2	18.4
85°	10.7	10.5	10.5	10.3	10.3	10.0	10.0
87.5°	5.9	6.2	5.9	5.8	5.9	6.1	6.4
90°	10.4	11.0	11.5	11.9	12.2	12.5	12.9
92.5°	23.0	23.8	24.3	24.6	24.9	25.1	25.4
95°	43.9	44.8	45.2	45.5	45.8	46.0	46.3
97.5°	68.3	69.1	69.6	69.7	69.8	69.9	70.1
100°	85.5	86.5	87.2	87.5	87.8	87.9	88.2
102.5°	103.0	104.2	104.9	105.3	105.6	105.9	106.2
105°	130.6	131.4	132.0	132.2	132.6	133.0	133.4
107.5°	160.7	161.0	161.2	161.2	161.2	161.1	161.1
110°	181.7	182.1	182.2	182.1	182.0	181.8	181.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	202.6	202.8	202.8	202.6	202.4	202.2	202.0
115°	234.6	234.5	234.4	234.2	234.1	234.0	233.9
117.5°	267.1	267.2	267.0	266.6	266.1	265.6	265.0
120°	288.7	288.7	288.5	288.0	287.6	287.1	286.6
122.5°	310.0	309.9	309.6	309.2	308.9	308.5	308.1
125°	341.3	341.0	340.8	340.7	340.6	340.4	340.4
127.5°	372.6	372.5	372.3	372.0	371.8	371.6	371.4
130°	393.2	393.1	392.9	392.7	392.5	392.2	392.0
132.5°	413.0	412.9	412.6	412.4	412.0	411.7	411.3
135°	443.6	443.6	443.4	442.9	442.4	442.0	441.5
137.5°	473.3	473.5	473.3	472.7	472.1	471.6	470.9
140°	492.2	492.4	492.2	491.6	491.1	490.4	489.8
142.5°	510.4	510.5	510.3	509.7	509.1	508.5	507.9
145°	536.6	536.6	536.4	536.1	535.7	535.4	535.0
147.5°	561.4	561.7	561.4	560.5	559.8	558.9	558.2
150°	576.4	576.4	576.3	576.1	575.8	575.6	575.3
152.5°	591.1	591.4	591.3	590.8	590.4	589.9	589.6
155°	611.7	612.2	612.2	611.5	611.0	610.3	609.7
157.5°	629.4	629.9	629.8	629.0	628.2	627.5	626.6
160°	640.2	640.6	640.6	640.1	639.4	638.9	638.3
162.5°	650.4	651.0	650.9	650.3	649.5	648.8	648.1
165°	663.8	664.4	664.2	663.5	662.8	662.0	661.4
167.5°	674.2	674.9	674.9	674.1	673.4	672.6	671.9
170°	680.1	680.9	680.8	680.0	679.2	678.3	677.5
172.5°	684.5	685.2	685.2	684.5	683.7	683.0	682.2
175°	689.3	690.0	689.9	689.2	688.3	687.5	686.6
177.5°	691.4	691.9	691.9	691.3	690.6	689.8	689.2
180°	691.0	691.0	691.0	691.0	691.0	691.0	691.0

(END OF REPORT)