

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: P333641-930

Luminaire Tested: **S125RDIW-S375D470U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333641-930
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: S125RDIW-S375D470U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2515.0 lumens
Efficiency: N/A
Efficacy: 109.3 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

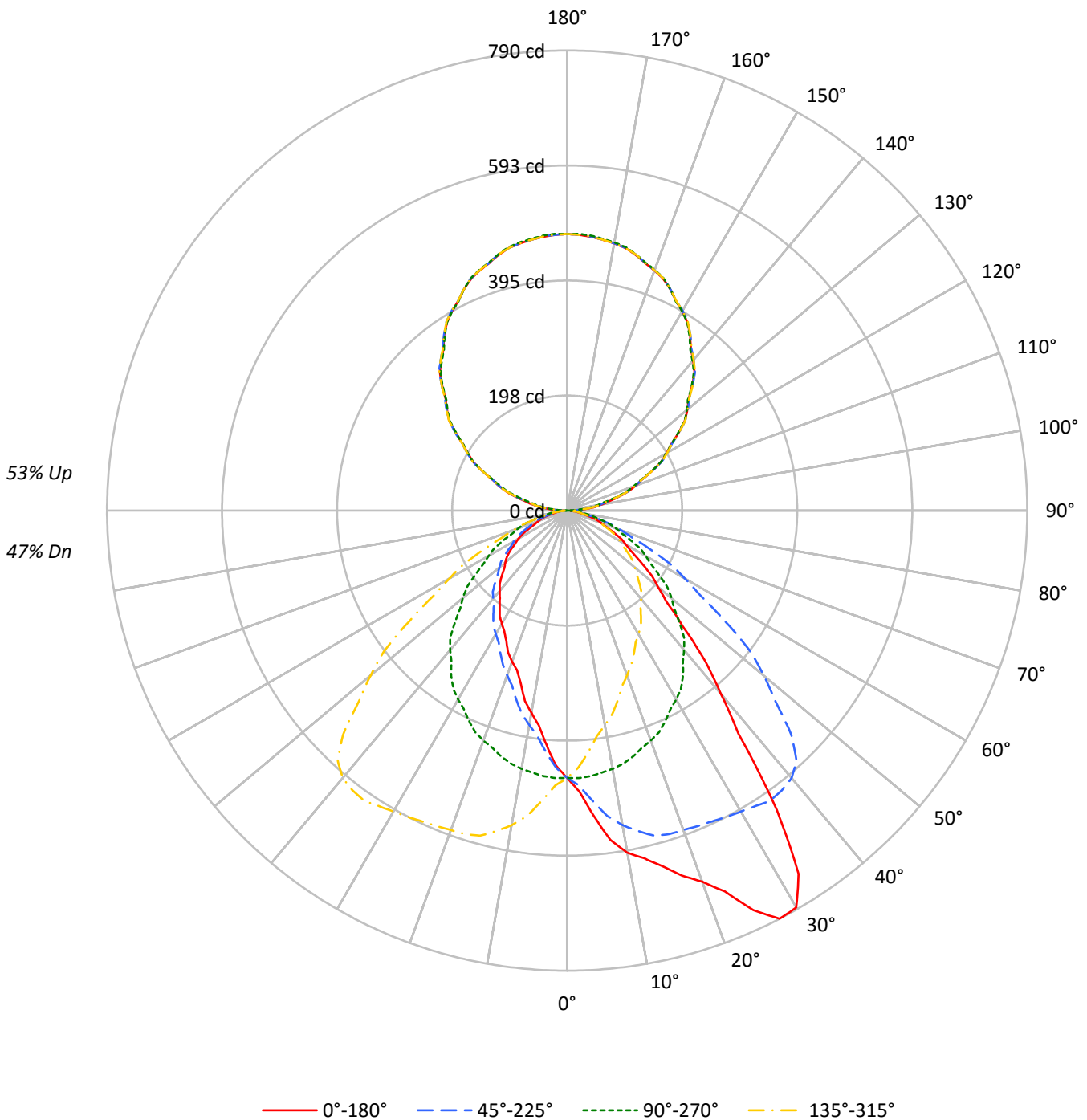
Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47																												
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41																												
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39	35																												
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30																												
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	32	29	26																												
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23																												
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20																												
7	59	46	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18																												
8	54	42	35	29	50	39	33	28	34	28	25	29	24	21	24	21	18	16																												
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	16	14																												
10	47	35	28	23	43	33	27	22	28	23	20	24	20	17	20	17	15	13																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2964	2964	2964	2964
5°	3409	2968	2621	2968
10°	3912	2952	2313	2952
15°	4225	2923	2055	2923
20°	4658	2887	1898	2887
25°	5392	2840	1762	2840
30°	5867	2791	1672	2791
35°	4949	2734	1589	2734
40°	3456	2632	1518	2632
45°	2564	2493	1449	2493
50°	2045	2349	1390	2349
55°	1735	2170	1337	2170
60°	1498	2010	1252	2010
65°	1336	1837	1076	1837
70°	1175	1682	982	1682
75°	1016	1457	921	1457
80°	770	1224	770	1224
85°	637	963	726	963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	1.7
10°-20°	129.0	5.1
20°-30°	204.5	8.1
30°-40°	246.6	9.8
40°-50°	220.2	8.8
50°-60°	168.9	6.7
60°-70°	109.7	4.4
70°-80°	53.3	2.1
80°-90°	13.8	0.5
90°-100°	31.8	1.3
100°-110°	93.9	3.7
110°-120°	159.1	6.3
120°-130°	209.4	8.3
130°-140°	234.6	9.3
140°-150°	229.9	9.1
150°-160°	193.1	7.7
160°-170°	128.4	5.1
170°-180°	44.9	1.8
0°-30°	377.5	15.0
0°-40°	624.0	24.8
0°-60°	1013.1	40.3
0°-90°	1190.0	47.3
90°-120°	284.8	11.3
90°-150°	958.7	38.1
90°-180°	1325.0	52.7
0°-180°	2515.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	459	459	459	459	459	
5°	526	458	404	458	526	53
15°	632	437	307	437	632	181
25°	757	399	247	399	757	347
35°	628	347	202	347	628	379
45°	281	273	159	273	281	224
55°	154	193	119	193	154	140
65°	87	120	70	120	87	87
75°	41	58	37	58	41	43
85°	9	13	10	13	9	10
90°	9	0	9	0	9	6
95°	32	24	32	24	32	32
105°	92	84	92	84	92	97
115°	161	159	161	159	161	159
125°	234	232	234	232	234	209
135°	303	302	303	302	303	234
145°	368	366	368	366	368	230
155°	419	419	419	419	419	193
165°	454	456	454	456	454	128
175°	472	474	472	474	472	45
180°	475	475	475	475	475	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	482.7	482.4	483.1	481.4	481.5	479.0	479.0	477.0	474.4	472.5	471.6
5°	525.9	526.4	525.6	522.8	520.9	518.0	514.9	509.2	504.5	499.9	496.4
7.5°	570.5	570.8	568.3	567.4	562.6	559.2	552.1	544.4	537.6	528.9	522.3
10°	596.5	596.2	593.6	591.5	587.4	582.1	575.1	566.1	557.7	548.2	539.2
12.5°	611.5	611.0	610.2	607.6	603.8	599.2	593.2	584.3	573.9	563.6	553.0
15°	631.9	630.6	628.1	624.8	619.4	613.9	607.4	599.5	589.5	577.8	568.0
17.5°	657.0	657.0	653.3	648.8	641.4	631.8	621.6	608.9	595.3	582.4	572.0
20°	677.8	677.3	673.5	664.8	656.3	644.2	632.6	616.9	600.4	583.6	570.6
22.5°	707.7	706.2	702.3	690.9	677.8	662.2	644.3	625.3	605.2	586.2	569.1
25°	756.6	755.5	747.7	734.5	716.1	692.1	668.8	642.6	613.8	588.7	568.0
27.5°	790.0	788.8	783.0	772.1	755.0	729.9	698.3	663.2	627.3	592.8	563.0
30°	786.7	789.5	788.8	783.7	770.9	748.3	719.1	679.7	636.9	596.5	560.8
32.5°	739.4	741.9	748.5	758.6	759.3	750.2	728.4	692.0	647.8	601.7	559.1
35°	627.7	631.1	643.9	664.1	690.5	712.5	717.0	697.4	657.6	608.1	556.7
37.5°	482.6	501.1	511.9	533.1	573.0	613.5	652.5	666.8	650.0	605.4	552.7
40°	409.9	414.4	433.7	457.6	491.1	533.3	588.9	629.0	630.3	599.5	546.3
42.5°	350.8	356.6	369.7	388.9	417.6	459.7	517.1	570.1	594.6	582.9	538.0
45°	280.7	285.0	294.6	309.3	331.3	366.2	415.6	476.8	525.4	544.5	515.8
47.5°	230.6	232.9	241.2	252.5	268.8	294.2	332.4	385.6	443.8	484.7	480.7
50°	203.5	206.1	212.5	220.9	234.7	256.2	286.7	331.0	391.1	441.0	451.0
52.5°	182.4	184.6	188.6	196.6	207.9	224.4	249.1	289.1	343.2	396.2	419.4
55°	154.1	155.6	158.8	163.3	172.4	184.3	205.5	233.3	277.0	330.4	364.4
57.5°	130.9	131.6	133.6	137.8	144.1	152.7	168.1	191.5	222.9	271.1	308.5
60°	116.0	116.8	119.4	122.3	127.2	135.1	147.2	163.5	193.6	233.4	271.3
62.5°	104.3	104.8	105.9	108.7	113.0	119.1	128.6	141.9	165.9	200.9	236.6
65°	87.4	87.6	88.0	90.3	92.9	97.4	103.6	113.0	131.1	157.5	189.1
67.5°	71.2	71.5	72.8	73.6	76.3	78.7	82.3	89.5	102.3	120.1	144.7
70°	62.2	62.0	63.3	64.2	65.1	68.0	70.4	76.3	84.2	97.8	118.3
72.5°	53.7	53.2	53.8	54.1	55.4	57.3	59.8	63.3	69.5	78.8	94.5
75°	40.7	40.8	40.8	41.3	42.2	43.0	43.7	45.6	49.0	55.2	63.7
77.5°	28.5	28.3	29.0	29.2	29.8	30.6	31.2	32.0	33.3	35.9	40.3
80°	20.7	20.7	20.9	21.4	21.3	21.7	22.6	23.4	25.0	26.6	28.0
82.5°	15.9	15.7	15.9	16.1	16.0	16.4	16.7	16.9	17.5	18.3	19.3
85°	8.6	8.6	8.9	8.9	9.0	9.0	9.2	9.2	9.2	9.5	9.6
87.5°	5.1	4.9	4.7	4.6	4.7	5.0	4.7	4.5	4.4	4.3	4.4
90°	8.9	8.6	8.4	8.2	7.9	7.6	7.2	6.8	6.4	6.0	5.3
92.5°	17.4	17.3	17.0	16.9	16.7	16.4	15.8	15.2	14.8	14.2	13.5
95°	31.8	31.6	31.5	31.3	31.1	30.7	30.2	29.6	29.0	28.5	27.6
97.5°	48.2	48.1	48.0	47.9	47.8	47.5	47.0	46.4	45.8	45.3	44.2
100°	60.6	60.4	60.3	60.1	59.9	59.5	58.8	58.0	57.3	56.5	55.4
102.5°	73.1	72.8	72.6	72.3	72.1	71.6	70.8	70.0	69.1	68.3	67.8
105°	91.6	91.4	91.2	90.9	90.7	90.3	89.8	89.3	88.8	88.3	87.8
107.5°	110.7	110.7	110.7	110.8	110.8	110.6	110.4	110.1	109.9	109.7	109.3
110°	124.9	125.0	125.1	125.1	125.2	125.1	124.9	124.7	124.4	124.2	123.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	138.8	138.9	139.1	139.3	139.4	139.4	139.3	139.2	139.1	138.9	138.6
115°	160.8	160.9	160.9	161.0	161.1	161.2	161.3	161.3	161.4	161.5	161.3
117.5°	182.1	182.5	182.9	183.2	183.5	183.6	183.5	183.5	183.4	183.4	183.2
120°	197.0	197.3	197.6	198.0	198.3	198.4	198.4	198.4	198.4	198.4	198.4
122.5°	211.7	212.0	212.3	212.5	212.8	213.0	213.0	213.1	213.1	213.2	213.0
125°	233.9	234.0	234.1	234.2	234.2	234.4	234.6	234.7	234.9	235.1	235.0
127.5°	255.2	255.4	255.5	255.7	255.8	256.0	256.1	256.2	256.2	256.3	256.2
130°	269.4	269.5	269.7	269.9	270.0	270.2	270.3	270.4	270.4	270.5	270.4
132.5°	282.7	282.9	283.2	283.4	283.6	283.7	283.8	283.9	284.0	284.1	284.1
135°	303.4	303.7	304.0	304.4	304.7	304.8	304.8	304.8	304.8	304.8	304.8
137.5°	323.6	324.0	324.5	324.9	325.3	325.5	325.3	325.2	325.1	325.1	324.8
140°	336.6	337.0	337.5	337.9	338.3	338.4	338.3	338.1	337.9	337.8	337.5
142.5°	349.0	349.4	349.8	350.3	350.7	350.8	350.7	350.7	350.6	350.5	350.2
145°	367.7	367.9	368.2	368.4	368.7	368.8	368.8	368.8	368.8	368.8	368.5
147.5°	383.6	384.1	384.7	385.2	385.8	386.0	385.8	385.6	385.4	385.2	385.0
150°	395.4	395.6	395.7	395.9	396.1	396.2	396.2	396.2	396.2	396.2	395.8
152.5°	405.1	405.4	405.8	406.0	406.3	406.3	406.2	406.0	405.8	405.6	405.4
155°	419.1	419.5	419.9	420.3	420.7	420.7	420.4	420.0	419.7	419.4	419.3
157.5°	430.6	431.2	431.7	432.3	432.8	432.9	432.6	432.3	431.9	431.6	431.5
160°	438.6	439.0	439.4	439.9	440.3	440.3	440.0	439.7	439.4	439.0	438.9
162.5°	445.4	445.9	446.4	446.9	447.4	447.4	446.9	446.6	446.2	445.8	445.8
165°	454.5	455.0	455.5	456.0	456.5	456.6	456.2	455.9	455.6	455.3	455.2
167.5°	461.8	462.3	462.8	463.3	463.8	463.8	463.3	462.8	462.4	461.9	461.9
170°	465.6	466.2	466.8	467.3	467.9	468.0	467.4	466.9	466.4	465.9	465.9
172.5°	468.9	469.4	469.9	470.3	470.9	470.9	470.4	469.9	469.4	469.0	469.0
175°	471.9	472.5	473.0	473.6	474.2	474.3	473.8	473.2	472.7	472.2	472.2
177.5°	473.7	474.1	474.6	475.1	475.5	475.6	475.2	474.7	474.3	473.9	474.0
180°	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	471.6	470.5	468.6	466.8	464.5	462.5	461.1	459.5	457.4	454.9	452.7
5°	492.4	488.3	482.8	478.1	472.1	467.4	462.5	457.8	453.1	447.0	441.7
7.5°	515.6	507.0	498.7	488.2	478.7	470.3	462.1	453.9	445.8	437.2	429.0
10°	529.8	519.3	507.9	494.7	482.7	471.2	460.6	450.2	439.3	429.7	419.4
12.5°	543.0	529.6	516.5	499.9	485.3	471.3	457.9	445.0	433.3	420.9	409.7
15°	555.0	541.8	527.1	506.8	486.6	469.6	453.8	437.1	422.6	408.6	396.2
17.5°	559.6	545.8	528.7	509.2	487.1	465.8	445.4	427.1	409.9	393.7	379.8
20°	557.8	544.5	526.9	508.3	484.7	462.5	440.4	420.1	401.0	383.9	369.1
22.5°	553.4	539.6	522.7	503.0	480.6	457.1	433.5	411.8	391.9	374.1	357.9
25°	546.9	528.1	510.7	491.5	470.2	446.9	422.6	398.6	377.3	359.2	341.5
27.5°	540.1	516.6	494.5	475.4	452.9	432.1	408.6	384.1	361.7	343.3	325.1
30°	533.9	507.5	483.2	461.5	440.3	420.4	398.3	374.3	351.3	332.3	313.9
32.5°	526.2	498.1	471.5	446.5	425.9	406.3	386.2	363.3	341.0	321.3	302.6
35°	516.6	480.8	451.8	425.2	402.4	383.4	365.3	346.8	324.4	304.0	285.8
37.5°	503.9	463.3	429.7	400.8	376.7	357.7	343.3	326.4	306.0	286.6	269.6
40°	496.2	450.6	413.9	385.2	360.0	339.8	326.4	312.2	293.5	275.2	258.3
42.5°	486.0	439.0	397.9	368.1	342.7	323.3	309.7	297.3	281.6	264.4	246.2
45°	465.9	416.5	373.4	341.4	315.8	296.7	284.1	273.0	261.1	245.2	229.4
47.5°	439.8	393.1	347.9	312.9	287.9	270.2	258.0	249.2	240.7	227.2	211.9
50°	418.8	373.7	329.7	295.8	269.0	252.3	240.8	233.8	226.1	213.9	201.0
52.5°	394.0	353.8	310.7	276.1	250.8	235.1	224.0	217.0	210.7	200.7	188.5
55°	355.1	319.8	280.3	248.8	225.7	209.9	199.3	192.7	189.0	180.5	170.9
57.5°	310.1	284.9	250.1	219.7	199.2	183.6	175.9	170.2	166.0	160.0	153.2
60°	278.8	261.1	229.8	201.0	182.1	167.3	160.3	155.6	151.6	146.6	141.3
62.5°	247.0	234.2	206.9	182.1	164.9	152.4	145.9	141.6	137.1	133.6	128.5
65°	204.4	192.9	174.1	154.7	138.7	128.7	123.9	120.2	117.4	113.6	110.0
67.5°	159.0	154.3	141.3	127.9	116.4	107.5	103.5	100.9	97.5	95.2	92.8
70°	131.1	128.8	119.6	110.8	100.0	94.0	90.3	89.1	85.0	82.7	81.0
72.5°	106.4	105.3	100.0	93.9	86.3	81.0	77.6	76.3	73.6	71.8	70.8
75°	72.9	73.3	72.3	68.4	65.6	62.2	59.2	58.4	56.5	55.0	54.1
77.5°	46.1	48.0	48.1	47.9	46.8	44.8	43.5	42.9	41.1	40.5	40.3
80°	31.6	33.8	35.6	35.4	35.1	34.5	33.5	32.9	32.0	31.5	31.1
82.5°	21.1	23.0	24.6	25.6	25.5	24.9	24.4	24.1	23.9	23.5	23.4
85°	9.9	10.4	10.9	12.2	13.2	13.4	13.2	13.0	12.5	12.6	12.8
87.5°	4.4	4.3	4.3	4.2	3.9	4.6	4.9	4.9	4.7	4.6	4.4
90°	4.7	4.2	3.6	3.0	2.4	1.7	1.1	0.4	1.1	1.7	2.4
92.5°	12.8	12.1	11.3	10.8	10.4	9.9	9.4	9.0	9.4	9.9	10.4
95°	26.8	26.0	25.2	24.7	24.5	24.4	24.2	24.1	24.2	24.4	24.5
97.5°	43.0	41.9	40.8	40.2	40.1	40.0	39.9	39.9	39.9	40.0	40.1
100°	54.4	53.3	52.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
102.5°	67.3	66.8	66.2	65.8	65.5	65.1	64.7	64.4	64.7	65.1	65.5
105°	87.3	86.8	86.3	85.9	85.4	85.0	84.6	84.2	84.6	85.0	85.4
107.5°	108.9	108.5	108.2	107.8	107.4	107.0	106.6	106.2	106.6	107.0	107.4
110°	123.7	123.4	123.2	122.9	122.5	122.1	121.6	121.2	121.6	122.1	122.5



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	138.4	138.0	137.7	137.5	137.2	137.0	136.8	136.6	136.8	137.0	137.2
115°	161.2	161.0	160.9	160.6	160.3	160.0	159.6	159.2	159.6	160.0	160.3
117.5°	183.0	183.0	182.8	182.6	182.5	182.3	182.1	182.1	182.1	182.3	182.5
120°	198.3	198.2	198.1	197.9	197.5	197.1	196.7	196.2	196.7	197.1	197.5
122.5°	212.8	212.5	212.4	212.1	212.1	211.9	211.7	211.6	211.7	211.9	212.1
125°	234.9	234.8	234.7	234.4	233.9	233.4	232.9	232.4	232.9	233.4	233.9
127.5°	256.1	256.0	255.9	255.8	255.4	255.2	254.9	254.6	254.9	255.2	255.4
130°	270.2	270.0	269.9	269.5	269.1	268.7	268.3	267.9	268.3	268.7	269.1
132.5°	284.1	284.2	284.2	283.9	283.2	282.6	281.8	281.2	281.8	282.6	283.2
135°	304.7	304.6	304.5	304.3	303.8	303.3	302.8	302.2	302.8	303.3	303.8
137.5°	324.7	324.5	324.3	324.0	323.5	323.0	322.5	322.0	322.5	323.0	323.5
140°	337.3	337.0	336.8	336.4	336.0	335.6	335.2	334.8	335.2	335.6	336.0
142.5°	349.8	349.5	349.2	348.9	348.5	348.2	347.8	347.5	347.8	348.2	348.5
145°	368.3	368.0	367.8	367.5	367.2	366.9	366.6	366.2	366.6	366.9	367.2
147.5°	384.8	384.6	384.4	384.3	384.0	383.8	383.7	383.5	383.7	383.8	384.0
150°	395.5	395.2	394.8	394.7	394.8	394.8	394.9	395.0	394.9	394.8	394.8
152.5°	405.4	405.2	405.0	405.0	404.8	404.7	404.6	404.5	404.6	404.7	404.8
155°	419.2	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1
157.5°	431.5	431.4	431.3	431.3	431.5	431.7	431.9	432.0	431.9	431.7	431.5
160°	438.8	438.7	438.6	438.7	439.0	439.2	439.5	439.8	439.5	439.2	439.0
162.5°	445.7	445.7	445.7	445.8	446.0	446.2	446.4	446.5	446.4	446.2	446.0
165°	455.1	455.0	454.9	454.9	455.1	455.3	455.4	455.6	455.4	455.3	455.1
167.5°	461.9	461.9	461.9	462.0	462.4	462.7	463.0	463.3	463.0	462.7	462.4
170°	465.9	465.9	465.9	466.1	466.4	466.8	467.1	467.4	467.1	466.8	466.4
172.5°	469.0	469.0	469.0	469.1	469.4	469.8	470.1	470.4	470.1	469.8	469.4
175°	472.2	472.2	472.2	472.4	472.7	473.0	473.4	473.8	473.4	473.0	472.7
177.5°	474.1	474.2	474.2	474.3	474.7	474.9	475.2	475.4	475.2	474.9	474.7
180°	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	451.2	449.1	447.6	444.6	442.5	441.6	439.9	439.4	441.2	439.9	439.8
5°	437.8	432.4	428.0	423.7	419.0	416.0	411.4	410.7	409.5	407.9	407.5
7.5°	421.8	414.6	409.0	401.9	395.7	390.6	385.0	382.3	380.8	378.6	375.7
10°	410.9	402.4	394.8	387.7	380.0	373.7	368.1	363.8	360.9	358.3	357.2
12.5°	400.1	391.5	381.9	373.2	364.6	357.7	351.4	348.5	345.4	342.3	339.7
15°	383.5	372.1	361.5	351.6	344.2	336.6	330.6	326.4	321.8	320.4	315.4
17.5°	365.9	354.7	342.3	331.8	323.3	315.0	308.3	303.6	300.1	295.2	292.9
20°	354.9	341.5	329.5	319.8	310.5	300.7	293.9	289.9	286.6	282.6	280.7
22.5°	343.2	330.1	317.7	306.5	296.9	287.2	282.4	278.3	274.5	270.8	268.3
25°	325.9	312.7	299.7	288.0	278.1	271.1	265.5	260.7	258.7	255.1	252.4
27.5°	308.8	294.8	281.4	269.7	261.9	254.9	250.3	246.6	242.9	239.8	237.4
30°	297.8	283.6	268.8	259.6	251.3	244.8	239.6	236.0	233.3	230.4	228.7
32.5°	286.8	272.1	259.0	249.1	241.2	235.5	230.3	226.8	223.9	220.8	218.7
35°	269.2	254.1	243.6	233.8	226.1	220.8	217.2	212.3	209.9	207.6	205.5
37.5°	252.8	238.8	227.4	218.8	212.1	206.8	202.2	199.6	196.6	194.5	192.8
40°	240.8	228.0	217.6	208.6	203.7	197.8	193.5	190.0	187.8	185.2	183.3
42.5°	229.9	218.0	207.9	199.8	193.7	188.7	184.6	181.2	178.3	176.4	174.9
45°	214.6	202.7	192.9	185.4	179.7	175.0	170.6	169.0	165.2	163.0	162.2
47.5°	198.7	188.1	178.6	171.7	165.9	161.4	157.4	153.9	151.8	149.6	148.4
50°	188.0	177.8	169.0	162.2	156.5	151.6	147.9	145.6	142.8	140.7	139.3
52.5°	177.3	167.9	159.1	152.5	147.7	142.8	138.5	136.3	133.6	132.3	131.3
55°	162.0	152.1	144.5	138.1	133.0	128.5	124.5	122.3	120.6	119.3	118.9
57.5°	144.7	136.8	129.8	124.0	118.7	114.5	111.0	108.8	107.4	107.1	106.0
60°	133.4	126.2	119.8	113.6	109.1	105.1	102.1	99.6	98.2	98.0	97.6
62.5°	122.1	115.2	109.3	103.8	99.7	96.0	93.0	90.3	89.4	88.5	87.6
65°	105.3	99.1	94.2	89.8	85.5	82.3	79.5	77.8	75.7	74.6	72.6
67.5°	88.9	84.1	79.3	75.7	72.2	69.2	66.9	64.3	62.9	62.0	60.6
70°	78.0	74.2	69.5	65.6	62.9	60.5	58.6	55.8	54.8	54.1	53.3
72.5°	67.8	64.4	60.5	57.2	54.6	52.3	50.1	48.8	47.9	47.1	46.7
75°	53.3	50.1	46.7	44.4	42.6	40.7	39.5	38.6	38.2	38.1	37.3
77.5°	39.1	37.4	34.7	32.9	31.7	30.9	29.9	29.4	29.4	28.5	28.3
80°	29.9	29.0	26.7	26.0	25.0	24.3	23.7	22.8	21.9	21.4	20.9
82.5°	22.3	21.4	20.4	19.2	18.4	17.9	17.4	17.0	17.2	16.6	16.4
85°	11.9	10.9	10.5	10.4	9.9	10.4	10.2	9.9	9.8	9.6	9.8
87.5°	4.4	4.5	4.5	4.9	4.6	4.8	4.9	4.8	4.9	5.0	4.9
90°	3.0	3.6	4.2	4.7	5.3	6.0	6.4	6.8	7.2	7.6	7.9
92.5°	10.8	11.3	12.1	12.8	13.5	14.2	14.8	15.2	15.8	16.4	16.7
95°	24.7	25.2	26.0	26.8	27.6	28.5	29.0	29.6	30.2	30.7	31.1
97.5°	40.2	40.8	41.9	43.0	44.2	45.3	45.8	46.4	47.0	47.5	47.8
100°	51.8	52.3	53.3	54.4	55.4	56.5	57.3	58.0	58.8	59.5	59.9
102.5°	65.8	66.2	66.8	67.3	67.8	68.3	69.1	70.0	70.8	71.6	72.1
105°	85.9	86.3	86.8	87.3	87.8	88.3	88.8	89.3	89.8	90.3	90.7
107.5°	107.8	108.2	108.5	108.9	109.3	109.7	109.9	110.1	110.4	110.6	110.8
110°	122.9	123.2	123.4	123.7	123.9	124.2	124.4	124.7	124.9	125.1	125.2



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	137.5	137.7	138.0	138.4	138.6	138.9	139.1	139.2	139.3	139.4	139.4
115°	160.6	160.9	161.0	161.2	161.3	161.5	161.4	161.3	161.3	161.2	161.1
117.5°	182.6	182.8	183.0	183.0	183.2	183.4	183.4	183.5	183.5	183.6	183.5
120°	197.9	198.1	198.2	198.3	198.4	198.4	198.4	198.4	198.4	198.4	198.3
122.5°	212.1	212.4	212.5	212.8	213.0	213.2	213.1	213.1	213.0	213.0	212.8
125°	234.4	234.7	234.8	234.9	235.0	235.1	234.9	234.7	234.6	234.4	234.2
127.5°	255.8	255.9	256.0	256.1	256.2	256.3	256.2	256.2	256.1	256.0	255.8
130°	269.5	269.9	270.0	270.2	270.4	270.5	270.4	270.4	270.3	270.2	270.0
132.5°	283.9	284.2	284.2	284.1	284.1	284.1	284.0	283.9	283.8	283.7	283.6
135°	304.3	304.5	304.6	304.7	304.8	304.8	304.8	304.8	304.8	304.8	304.7
137.5°	324.0	324.3	324.5	324.7	324.8	325.1	325.1	325.2	325.3	325.5	325.3
140°	336.4	336.8	337.0	337.3	337.5	337.8	337.9	338.1	338.3	338.4	338.3
142.5°	348.9	349.2	349.5	349.8	350.2	350.5	350.6	350.7	350.7	350.8	350.7
145°	367.5	367.8	368.0	368.3	368.5	368.8	368.8	368.8	368.8	368.8	368.7
147.5°	384.3	384.4	384.6	384.8	385.0	385.2	385.4	385.6	385.8	386.0	385.8
150°	394.7	394.8	395.2	395.5	395.8	396.2	396.2	396.2	396.2	396.2	396.1
152.5°	405.0	405.0	405.2	405.4	405.4	405.6	405.8	406.0	406.2	406.3	406.3
155°	419.1	419.1	419.1	419.2	419.3	419.4	419.7	420.0	420.4	420.7	420.7
157.5°	431.3	431.3	431.4	431.5	431.5	431.6	431.9	432.3	432.6	432.9	432.8
160°	438.7	438.6	438.7	438.8	438.9	439.0	439.4	439.7	440.0	440.3	440.3
162.5°	445.8	445.7	445.7	445.7	445.8	445.8	446.2	446.6	446.9	447.4	447.4
165°	454.9	454.9	455.0	455.1	455.2	455.3	455.6	455.9	456.2	456.6	456.5
167.5°	462.0	461.9	461.9	461.9	461.9	461.9	462.4	462.8	463.3	463.8	463.8
170°	466.1	465.9	465.9	465.9	465.9	465.9	466.4	466.9	467.4	468.0	467.9
172.5°	469.1	469.0	469.0	469.0	469.0	469.0	469.4	469.9	470.4	470.9	470.9
175°	472.4	472.2	472.2	472.2	472.2	472.2	472.7	473.2	473.8	474.3	474.2
177.5°	474.3	474.2	474.2	474.1	474.0	473.9	474.3	474.7	475.2	475.6	475.5
180°	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.6	438.0	437.5	438.1	437.5	438.0	439.6	439.8	439.9	441.2	439.4
5°	405.6	403.7	404.6	404.3	404.6	403.7	405.6	407.5	407.9	409.5	410.7
7.5°	375.7	373.3	370.9	371.6	370.9	373.3	375.7	375.7	378.6	380.8	382.3
10°	354.7	352.9	351.7	352.7	351.7	352.9	354.7	357.2	358.3	360.9	363.8
12.5°	337.1	336.0	335.0	334.6	335.0	336.0	337.1	339.7	342.3	345.4	348.5
15°	313.1	310.9	309.9	307.4	309.9	310.9	313.1	315.4	320.4	321.8	326.4
17.5°	291.0	290.2	287.8	286.7	287.8	290.2	291.0	292.9	295.2	300.1	303.6
20°	277.9	277.1	274.7	276.1	274.7	277.1	277.9	280.7	282.6	286.6	289.9
22.5°	267.0	265.4	264.6	264.2	264.6	265.4	267.0	268.3	270.8	274.5	278.3
25°	251.7	249.2	248.3	247.2	248.3	249.2	251.7	252.4	255.1	258.7	260.7
27.5°	236.4	235.1	233.8	233.5	233.8	235.1	236.4	237.4	239.8	242.9	246.6
30°	226.4	225.1	224.2	224.2	224.2	225.1	226.4	228.7	230.4	233.3	236.0
32.5°	217.5	216.5	215.6	215.4	215.6	216.5	217.5	218.7	220.8	223.9	226.8
35°	204.6	203.1	202.7	201.5	202.7	203.1	204.6	205.5	207.6	209.9	212.3
37.5°	191.1	189.9	189.9	189.7	189.9	189.9	191.1	192.8	194.5	196.6	199.6
40°	182.5	181.6	181.4	180.1	181.4	181.6	182.5	183.3	185.2	187.8	190.0
42.5°	173.3	172.8	172.2	171.6	172.2	172.8	173.3	174.9	176.4	178.3	181.2
45°	160.9	159.6	159.6	158.7	159.6	159.6	160.9	162.2	163.0	165.2	169.0
47.5°	148.0	147.0	147.1	146.1	147.1	147.0	148.0	148.4	149.6	151.8	153.9
50°	139.4	138.8	138.7	138.3	138.7	138.8	139.4	139.3	140.7	142.8	145.6
52.5°	130.9	130.5	131.3	130.4	131.3	130.5	130.9	131.3	132.3	133.6	136.3
55°	119.3	118.7	119.8	118.7	119.8	118.7	119.3	118.9	119.3	120.6	122.3
57.5°	106.0	105.4	106.5	105.9	106.5	105.4	106.0	106.0	107.1	107.4	108.8
60°	97.2	96.0	96.6	96.9	96.6	96.0	97.2	97.6	98.0	98.2	99.6
62.5°	86.8	86.1	86.6	85.7	86.6	86.1	86.8	87.6	88.5	89.4	90.3
65°	72.2	71.6	70.8	70.4	70.8	71.6	72.2	72.6	74.6	75.7	77.8
67.5°	60.7	59.3	59.2	59.5	59.2	59.3	60.7	60.6	62.0	62.9	64.3
70°	52.2	52.2	52.0	52.0	52.0	52.2	52.2	53.3	54.1	54.8	55.8
72.5°	46.3	46.1	45.8	45.7	45.8	46.1	46.3	46.7	47.1	47.9	48.8
75°	37.3	37.5	37.1	36.9	37.1	37.5	37.3	37.3	38.1	38.2	38.6
77.5°	27.6	26.7	27.1	26.7	27.1	26.7	27.6	28.3	28.5	29.4	29.4
80°	20.9	20.7	21.3	20.7	21.3	20.7	20.9	20.9	21.4	21.9	22.8
82.5°	16.6	16.4	16.6	16.2	16.6	16.4	16.6	16.4	16.6	17.2	17.0
85°	9.9	9.8	9.6	9.8	9.6	9.8	9.9	9.8	9.6	9.8	9.9
87.5°	5.1	5.0	5.1	5.1	5.1	5.0	5.1	4.9	5.0	4.9	4.8
90°	8.2	8.4	8.6	8.9	8.6	8.4	8.2	7.9	7.6	7.2	6.8
92.5°	16.9	17.0	17.3	17.4	17.3	17.0	16.9	16.7	16.4	15.8	15.2
95°	31.3	31.5	31.6	31.8	31.6	31.5	31.3	31.1	30.7	30.2	29.6
97.5°	47.9	48.0	48.1	48.2	48.1	48.0	47.9	47.8	47.5	47.0	46.4
100°	60.1	60.3	60.4	60.6	60.4	60.3	60.1	59.9	59.5	58.8	58.0
102.5°	72.3	72.6	72.8	73.1	72.8	72.6	72.3	72.1	71.6	70.8	70.0
105°	90.9	91.2	91.4	91.6	91.4	91.2	90.9	90.7	90.3	89.8	89.3
107.5°	110.8	110.7	110.7	110.7	110.7	110.7	110.8	110.8	110.6	110.4	110.1
110°	125.1	125.1	125.0	124.9	125.0	125.1	125.1	125.2	125.1	124.9	124.7



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	139.3	139.1	138.9	138.8	138.9	139.1	139.3	139.4	139.4	139.3	139.2
115°	161.0	160.9	160.9	160.8	160.9	160.9	161.0	161.1	161.2	161.3	161.3
117.5°	183.2	182.9	182.5	182.1	182.5	182.9	183.2	183.5	183.6	183.5	183.5
120°	198.0	197.6	197.3	197.0	197.3	197.6	198.0	198.3	198.4	198.4	198.4
122.5°	212.5	212.3	212.0	211.7	212.0	212.3	212.5	212.8	213.0	213.0	213.1
125°	234.2	234.1	234.0	233.9	234.0	234.1	234.2	234.2	234.4	234.6	234.7
127.5°	255.7	255.5	255.4	255.2	255.4	255.5	255.7	255.8	256.0	256.1	256.2
130°	269.9	269.7	269.5	269.4	269.5	269.7	269.9	270.0	270.2	270.3	270.4
132.5°	283.4	283.2	282.9	282.7	282.9	283.2	283.4	283.6	283.7	283.8	283.9
135°	304.4	304.0	303.7	303.4	303.7	304.0	304.4	304.7	304.8	304.8	304.8
137.5°	324.9	324.5	324.0	323.6	324.0	324.5	324.9	325.3	325.5	325.3	325.2
140°	337.9	337.5	337.0	336.6	337.0	337.5	337.9	338.3	338.4	338.3	338.1
142.5°	350.3	349.8	349.4	349.0	349.4	349.8	350.3	350.7	350.8	350.7	350.7
145°	368.4	368.2	367.9	367.7	367.9	368.2	368.4	368.7	368.8	368.8	368.8
147.5°	385.2	384.7	384.1	383.6	384.1	384.7	385.2	385.8	386.0	385.8	385.6
150°	395.9	395.7	395.6	395.4	395.6	395.7	395.9	396.1	396.2	396.2	396.2
152.5°	406.0	405.8	405.4	405.1	405.4	405.8	406.0	406.3	406.3	406.2	406.0
155°	420.3	419.9	419.5	419.1	419.5	419.9	420.3	420.7	420.7	420.4	420.0
157.5°	432.3	431.7	431.2	430.6	431.2	431.7	432.3	432.8	432.9	432.6	432.3
160°	439.9	439.4	439.0	438.6	439.0	439.4	439.9	440.3	440.3	440.0	439.7
162.5°	446.9	446.4	445.9	445.4	445.9	446.4	446.9	447.4	447.4	446.9	446.6
165°	456.0	455.5	455.0	454.5	455.0	455.5	456.0	456.5	456.6	456.2	455.9
167.5°	463.3	462.8	462.3	461.8	462.3	462.8	463.3	463.8	463.8	463.3	462.8
170°	467.3	466.8	466.2	465.6	466.2	466.8	467.3	467.9	468.0	467.4	466.9
172.5°	470.3	469.9	469.4	468.9	469.4	469.9	470.3	470.9	470.9	470.4	469.9
175°	473.6	473.0	472.5	471.9	472.5	473.0	473.6	474.2	474.3	473.8	473.2
177.5°	475.1	474.6	474.1	473.7	474.1	474.6	475.1	475.5	475.6	475.2	474.7
180°	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.9	441.6	442.5	444.6	447.6	449.1	451.2	452.7	454.9	457.4	459.5
5°	411.4	416.0	419.0	423.7	428.0	432.4	437.8	441.7	447.0	453.1	457.8
7.5°	385.0	390.6	395.7	401.9	409.0	414.6	421.8	429.0	437.2	445.8	453.9
10°	368.1	373.7	380.0	387.7	394.8	402.4	410.9	419.4	429.7	439.3	450.2
12.5°	351.4	357.7	364.6	373.2	381.9	391.5	400.1	409.7	420.9	433.3	445.0
15°	330.6	336.6	344.2	351.6	361.5	372.1	383.5	396.2	408.6	422.6	437.1
17.5°	308.3	315.0	323.3	331.8	342.3	354.7	365.9	379.8	393.7	409.9	427.1
20°	293.9	300.7	310.5	319.8	329.5	341.5	354.9	369.1	383.9	401.0	420.1
22.5°	282.4	287.2	296.9	306.5	317.7	330.1	343.2	357.9	374.1	391.9	411.8
25°	265.5	271.1	278.1	288.0	299.7	312.7	325.9	341.5	359.2	377.3	398.6
27.5°	250.3	254.9	261.9	269.7	281.4	294.8	308.8	325.1	343.3	361.7	384.1
30°	239.6	244.8	251.3	259.6	268.8	283.6	297.8	313.9	332.3	351.3	374.3
32.5°	230.3	235.5	241.2	249.1	259.0	272.1	286.8	302.6	321.3	341.0	363.3
35°	217.2	220.8	226.1	233.8	243.6	254.1	269.2	285.8	304.0	324.4	346.8
37.5°	202.2	206.8	212.1	218.8	227.4	238.8	252.8	269.6	286.6	306.0	326.4
40°	193.5	197.8	203.7	208.6	217.6	228.0	240.8	258.3	275.2	293.5	312.2
42.5°	184.6	188.7	193.7	199.8	207.9	218.0	229.9	246.2	264.4	281.6	297.3
45°	170.6	175.0	179.7	185.4	192.9	202.7	214.6	229.4	245.2	261.1	273.0
47.5°	157.4	161.4	165.9	171.7	178.6	188.1	198.7	211.9	227.2	240.7	249.2
50°	147.9	151.6	156.5	162.2	169.0	177.8	188.0	201.0	213.9	226.1	233.8
52.5°	138.5	142.8	147.7	152.5	159.1	167.9	177.3	188.5	200.7	210.7	217.0
55°	124.5	128.5	133.0	138.1	144.5	152.1	162.0	170.9	180.5	189.0	192.7
57.5°	111.0	114.5	118.7	124.0	129.8	136.8	144.7	153.2	160.0	166.0	170.2
60°	102.1	105.1	109.1	113.6	119.8	126.2	133.4	141.3	146.6	151.6	155.6
62.5°	93.0	96.0	99.7	103.8	109.3	115.2	122.1	128.5	133.6	137.1	141.6
65°	79.5	82.3	85.5	89.8	94.2	99.1	105.3	110.0	113.6	117.4	120.2
67.5°	66.9	69.2	72.2	75.7	79.3	84.1	88.9	92.8	95.2	97.5	100.9
70°	58.6	60.5	62.9	65.6	69.5	74.2	78.0	81.0	82.7	85.0	89.1
72.5°	50.1	52.3	54.6	57.2	60.5	64.4	67.8	70.8	71.8	73.6	76.3
75°	39.5	40.7	42.6	44.4	46.7	50.1	53.3	54.1	55.0	56.5	58.4
77.5°	29.9	30.9	31.7	32.9	34.7	37.4	39.1	40.3	40.5	41.1	42.9
80°	23.7	24.3	25.0	26.0	26.7	29.0	29.9	31.1	31.5	32.0	32.9
82.5°	17.4	17.9	18.4	19.2	20.4	21.4	22.3	23.4	23.5	23.9	24.1
85°	10.2	10.4	9.9	10.4	10.5	10.9	11.9	12.8	12.6	12.5	13.0
87.5°	4.9	4.8	4.6	4.9	4.5	4.5	4.4	4.4	4.6	4.7	4.9
90°	6.4	6.0	5.3	4.7	4.2	3.6	3.0	2.4	1.7	1.1	0.4
92.5°	14.8	14.2	13.5	12.8	12.1	11.3	10.8	10.4	9.9	9.4	9.0
95°	29.0	28.5	27.6	26.8	26.0	25.2	24.7	24.5	24.4	24.2	24.1
97.5°	45.8	45.3	44.2	43.0	41.9	40.8	40.2	40.1	40.0	39.9	39.9
100°	57.3	56.5	55.4	54.4	53.3	52.3	51.8	51.8	51.8	51.8	51.8
102.5°	69.1	68.3	67.8	67.3	66.8	66.2	65.8	65.5	65.1	64.7	64.4
105°	88.8	88.3	87.8	87.3	86.8	86.3	85.9	85.4	85.0	84.6	84.2
107.5°	109.9	109.7	109.3	108.9	108.5	108.2	107.8	107.4	107.0	106.6	106.2
110°	124.4	124.2	123.9	123.7	123.4	123.2	122.9	122.5	122.1	121.6	121.2



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	139.1	138.9	138.6	138.4	138.0	137.7	137.5	137.2	137.0	136.8	136.6
115°	161.4	161.5	161.3	161.2	161.0	160.9	160.6	160.3	160.0	159.6	159.2
117.5°	183.4	183.4	183.2	183.0	183.0	182.8	182.6	182.5	182.3	182.1	182.1
120°	198.4	198.4	198.4	198.3	198.2	198.1	197.9	197.5	197.1	196.7	196.2
122.5°	213.1	213.2	213.0	212.8	212.5	212.4	212.1	212.1	211.9	211.7	211.6
125°	234.9	235.1	235.0	234.9	234.8	234.7	234.4	233.9	233.4	232.9	232.4
127.5°	256.2	256.3	256.2	256.1	256.0	255.9	255.8	255.4	255.2	254.9	254.6
130°	270.4	270.5	270.4	270.2	270.0	269.9	269.5	269.1	268.7	268.3	267.9
132.5°	284.0	284.1	284.1	284.1	284.2	284.2	283.9	283.2	282.6	281.8	281.2
135°	304.8	304.8	304.8	304.7	304.6	304.5	304.3	303.8	303.3	302.8	302.2
137.5°	325.1	325.1	324.8	324.7	324.5	324.3	324.0	323.5	323.0	322.5	322.0
140°	337.9	337.8	337.5	337.3	337.0	336.8	336.4	336.0	335.6	335.2	334.8
142.5°	350.6	350.5	350.2	349.8	349.5	349.2	348.9	348.5	348.2	347.8	347.5
145°	368.8	368.8	368.5	368.3	368.0	367.8	367.5	367.2	366.9	366.6	366.2
147.5°	385.4	385.2	385.0	384.8	384.6	384.4	384.3	384.0	383.8	383.7	383.5
150°	396.2	396.2	395.8	395.5	395.2	394.8	394.7	394.8	394.8	394.9	395.0
152.5°	405.8	405.6	405.4	405.4	405.2	405.0	405.0	404.8	404.7	404.6	404.5
155°	419.7	419.4	419.3	419.2	419.1	419.1	419.1	419.1	419.1	419.1	419.1
157.5°	431.9	431.6	431.5	431.5	431.4	431.3	431.3	431.5	431.7	431.9	432.0
160°	439.4	439.0	438.9	438.8	438.7	438.6	438.7	439.0	439.2	439.5	439.8
162.5°	446.2	445.8	445.8	445.7	445.7	445.7	445.8	446.0	446.2	446.4	446.5
165°	455.6	455.3	455.2	455.1	455.0	454.9	454.9	455.1	455.3	455.4	455.6
167.5°	462.4	461.9	461.9	461.9	461.9	461.9	462.0	462.4	462.7	463.0	463.3
170°	466.4	465.9	465.9	465.9	465.9	465.9	466.1	466.4	466.8	467.1	467.4
172.5°	469.4	469.0	469.0	469.0	469.0	469.0	469.1	469.4	469.8	470.1	470.4
175°	472.7	472.2	472.2	472.2	472.2	472.2	472.4	472.7	473.0	473.4	473.8
177.5°	474.3	473.9	474.0	474.1	474.2	474.2	474.3	474.7	474.9	475.2	475.4
180°	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	461.1	462.5	464.5	466.8	468.6	470.5	471.6	471.6	472.5	474.4	477.0
5°	462.5	467.4	472.1	478.1	482.8	488.3	492.4	496.4	499.9	504.5	509.2
7.5°	462.1	470.3	478.7	488.2	498.7	507.0	515.6	522.3	528.9	537.6	544.4
10°	460.6	471.2	482.7	494.7	507.9	519.3	529.8	539.2	548.2	557.7	566.1
12.5°	457.9	471.3	485.3	499.9	516.5	529.6	543.0	553.0	563.6	573.9	584.3
15°	453.8	469.6	486.6	506.8	527.1	541.8	555.0	568.0	577.8	589.5	599.5
17.5°	445.4	465.8	487.1	509.2	528.7	545.8	559.6	572.0	582.4	595.3	608.9
20°	440.4	462.5	484.7	508.3	526.9	544.5	557.8	570.6	583.6	600.4	616.9
22.5°	433.5	457.1	480.6	503.0	522.7	539.6	553.4	569.1	586.2	605.2	625.3
25°	422.6	446.9	470.2	491.5	510.7	528.1	546.9	568.0	588.7	613.8	642.6
27.5°	408.6	432.1	452.9	475.4	494.5	516.6	540.1	563.0	592.8	627.3	663.2
30°	398.3	420.4	440.3	461.5	483.2	507.5	533.9	560.8	596.5	636.9	679.7
32.5°	386.2	406.3	425.9	446.5	471.5	498.1	526.2	559.1	601.7	647.8	692.0
35°	365.3	383.4	402.4	425.2	451.8	480.8	516.6	556.7	608.1	657.6	697.4
37.5°	343.3	357.7	376.7	400.8	429.7	463.3	503.9	552.7	605.4	650.0	666.8
40°	326.4	339.8	360.0	385.2	413.9	450.6	496.2	546.3	599.5	630.3	629.0
42.5°	309.7	323.3	342.7	368.1	397.9	439.0	486.0	538.0	582.9	594.6	570.1
45°	284.1	296.7	315.8	341.4	373.4	416.5	465.9	515.8	544.5	525.4	476.8
47.5°	258.0	270.2	287.9	312.9	347.9	393.1	439.8	480.7	484.7	443.8	385.6
50°	240.8	252.3	269.0	295.8	329.7	373.7	418.8	451.0	441.0	391.1	331.0
52.5°	224.0	235.1	250.8	276.1	310.7	353.8	394.0	419.4	396.2	343.2	289.1
55°	199.3	209.9	225.7	248.8	280.3	319.8	355.1	364.4	330.4	277.0	233.3
57.5°	175.9	183.6	199.2	219.7	250.1	284.9	310.1	308.5	271.1	222.9	191.5
60°	160.3	167.3	182.1	201.0	229.8	261.1	278.8	271.3	233.4	193.6	163.5
62.5°	145.9	152.4	164.9	182.1	206.9	234.2	247.0	236.6	200.9	165.9	141.9
65°	123.9	128.7	138.7	154.7	174.1	192.9	204.4	189.1	157.5	131.1	113.0
67.5°	103.5	107.5	116.4	127.9	141.3	154.3	159.0	144.7	120.1	102.3	89.5
70°	90.3	94.0	100.0	110.8	119.6	128.8	131.1	118.3	97.8	84.2	76.3
72.5°	77.6	81.0	86.3	93.9	100.0	105.3	106.4	94.5	78.8	69.5	63.3
75°	59.2	62.2	65.6	68.4	72.3	73.3	72.9	63.7	55.2	49.0	45.6
77.5°	43.5	44.8	46.8	47.9	48.1	48.0	46.1	40.3	35.9	33.3	32.0
80°	33.5	34.5	35.1	35.4	35.6	33.8	31.6	28.0	26.6	25.0	23.4
82.5°	24.4	24.9	25.5	25.6	24.6	23.0	21.1	19.3	18.3	17.5	16.9
85°	13.2	13.4	13.2	12.2	10.9	10.4	9.9	9.6	9.5	9.2	9.2
87.5°	4.9	4.6	3.9	4.2	4.3	4.3	4.4	4.4	4.3	4.4	4.5
90°	1.1	1.7	2.4	3.0	3.6	4.2	4.7	5.3	6.0	6.4	6.8
92.5°	9.4	9.9	10.4	10.8	11.3	12.1	12.8	13.5	14.2	14.8	15.2
95°	24.2	24.4	24.5	24.7	25.2	26.0	26.8	27.6	28.5	29.0	29.6
97.5°	39.9	40.0	40.1	40.2	40.8	41.9	43.0	44.2	45.3	45.8	46.4
100°	51.8	51.8	51.8	51.8	52.3	53.3	54.4	55.4	56.5	57.3	58.0
102.5°	64.7	65.1	65.5	65.8	66.2	66.8	67.3	67.8	68.3	69.1	70.0
105°	84.6	85.0	85.4	85.9	86.3	86.8	87.3	87.8	88.3	88.8	89.3
107.5°	106.6	107.0	107.4	107.8	108.2	108.5	108.9	109.3	109.7	109.9	110.1
110°	121.6	122.1	122.5	122.9	123.2	123.4	123.7	123.9	124.2	124.4	124.7



TEST NUMBER: P333641-930

CATALOG NUMBER: S125RDIW-S375D470U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	136.8	137.0	137.2	137.5	137.7	138.0	138.4	138.6	138.9	139.1	139.2
115°	159.6	160.0	160.3	160.6	160.9	161.0	161.2	161.3	161.5	161.4	161.3
117.5°	182.1	182.3	182.5	182.6	182.8	183.0	183.0	183.2	183.4	183.4	183.5
120°	196.7	197.1	197.5	197.9	198.1	198.2	198.3	198.4	198.4	198.4	198.4
122.5°	211.7	211.9	212.1	212.1	212.4	212.5	212.8	213.0	213.2	213.1	213.1
125°	232.9	233.4	233.9	234.4	234.7	234.8	234.9	235.0	235.1	234.9	234.7
127.5°	254.9	255.2	255.4	255.8	255.9	256.0	256.1	256.2	256.3	256.2	256.2
130°	268.3	268.7	269.1	269.5	269.9	270.0	270.2	270.4	270.5	270.4	270.4
132.5°	281.8	282.6	283.2	283.9	284.2	284.2	284.1	284.1	284.1	284.0	283.9
135°	302.8	303.3	303.8	304.3	304.5	304.6	304.7	304.8	304.8	304.8	304.8
137.5°	322.5	323.0	323.5	324.0	324.3	324.5	324.7	324.8	325.1	325.1	325.2
140°	335.2	335.6	336.0	336.4	336.8	337.0	337.3	337.5	337.8	337.9	338.1
142.5°	347.8	348.2	348.5	348.9	349.2	349.5	349.8	350.2	350.5	350.6	350.7
145°	366.6	366.9	367.2	367.5	367.8	368.0	368.3	368.5	368.8	368.8	368.8
147.5°	383.7	383.8	384.0	384.3	384.4	384.6	384.8	385.0	385.2	385.4	385.6
150°	394.9	394.8	394.8	394.7	394.8	395.2	395.5	395.8	396.2	396.2	396.2
152.5°	404.6	404.7	404.8	405.0	405.0	405.2	405.4	405.4	405.6	405.8	406.0
155°	419.1	419.1	419.1	419.1	419.1	419.1	419.2	419.3	419.4	419.7	420.0
157.5°	431.9	431.7	431.5	431.3	431.3	431.4	431.5	431.5	431.6	431.9	432.3
160°	439.5	439.2	439.0	438.7	438.6	438.7	438.8	438.9	439.0	439.4	439.7
162.5°	446.4	446.2	446.0	445.8	445.7	445.7	445.7	445.8	445.8	446.2	446.6
165°	455.4	455.3	455.1	454.9	454.9	455.0	455.1	455.2	455.3	455.6	455.9
167.5°	463.0	462.7	462.4	462.0	461.9	461.9	461.9	461.9	461.9	462.4	462.8
170°	467.1	466.8	466.4	466.1	465.9	465.9	465.9	465.9	465.9	466.4	466.9
172.5°	470.1	469.8	469.4	469.1	469.0	469.0	469.0	469.0	469.0	469.4	469.9
175°	473.4	473.0	472.7	472.4	472.2	472.2	472.2	472.2	472.2	472.7	473.2
177.5°	475.2	474.9	474.7	474.3	474.2	474.2	474.1	474.0	473.9	474.3	474.7
180°	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	479.0	479.0	481.5	481.4	483.1	482.4	482.7
5°	514.9	518.0	520.9	522.8	525.6	526.4	525.9
7.5°	552.1	559.2	562.6	567.4	568.3	570.8	570.5
10°	575.1	582.1	587.4	591.5	593.6	596.2	596.5
12.5°	593.2	599.2	603.8	607.6	610.2	611.0	611.5
15°	607.4	613.9	619.4	624.8	628.1	630.6	631.9
17.5°	621.6	631.8	641.4	648.8	653.3	657.0	657.0
20°	632.6	644.2	656.3	664.8	673.5	677.3	677.8
22.5°	644.3	662.2	677.8	690.9	702.3	706.2	707.7
25°	668.8	692.1	716.1	734.5	747.7	755.5	756.6
27.5°	698.3	729.9	755.0	772.1	783.0	788.8	790.0
30°	719.1	748.3	770.9	783.7	788.8	789.5	786.7
32.5°	728.4	750.2	759.3	758.6	748.5	741.9	739.4
35°	717.0	712.5	690.5	664.1	643.9	631.1	627.7
37.5°	652.5	613.5	573.0	533.1	511.9	501.1	482.6
40°	588.9	533.3	491.1	457.6	433.7	414.4	409.9
42.5°	517.1	459.7	417.6	388.9	369.7	356.6	350.8
45°	415.6	366.2	331.3	309.3	294.6	285.0	280.7
47.5°	332.4	294.2	268.8	252.5	241.2	232.9	230.6
50°	286.7	256.2	234.7	220.9	212.5	206.1	203.5
52.5°	249.1	224.4	207.9	196.6	188.6	184.6	182.4
55°	205.5	184.3	172.4	163.3	158.8	155.6	154.1
57.5°	168.1	152.7	144.1	137.8	133.6	131.6	130.9
60°	147.2	135.1	127.2	122.3	119.4	116.8	116.0
62.5°	128.6	119.1	113.0	108.7	105.9	104.8	104.3
65°	103.6	97.4	92.9	90.3	88.0	87.6	87.4
67.5°	82.3	78.7	76.3	73.6	72.8	71.5	71.2
70°	70.4	68.0	65.1	64.2	63.3	62.0	62.2
72.5°	59.8	57.3	55.4	54.1	53.8	53.2	53.7
75°	43.7	43.0	42.2	41.3	40.8	40.8	40.7
77.5°	31.2	30.6	29.8	29.2	29.0	28.3	28.5
80°	22.6	21.7	21.3	21.4	20.9	20.7	20.7
82.5°	16.7	16.4	16.0	16.1	15.9	15.7	15.9
85°	9.2	9.0	9.0	8.9	8.9	8.6	8.6
87.5°	4.7	5.0	4.7	4.6	4.7	4.9	5.1
90°	7.2	7.6	7.9	8.2	8.4	8.6	8.9
92.5°	15.8	16.4	16.7	16.9	17.0	17.3	17.4
95°	30.2	30.7	31.1	31.3	31.5	31.6	31.8
97.5°	47.0	47.5	47.8	47.9	48.0	48.1	48.2
100°	58.8	59.5	59.9	60.1	60.3	60.4	60.6
102.5°	70.8	71.6	72.1	72.3	72.6	72.8	73.1
105°	89.8	90.3	90.7	90.9	91.2	91.4	91.6
107.5°	110.4	110.6	110.8	110.8	110.7	110.7	110.7
110°	124.9	125.1	125.2	125.1	125.1	125.0	124.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	139.3	139.4	139.4	139.3	139.1	138.9	138.8
115°	161.3	161.2	161.1	161.0	160.9	160.9	160.8
117.5°	183.5	183.6	183.5	183.2	182.9	182.5	182.1
120°	198.4	198.4	198.3	198.0	197.6	197.3	197.0
122.5°	213.0	213.0	212.8	212.5	212.3	212.0	211.7
125°	234.6	234.4	234.2	234.2	234.1	234.0	233.9
127.5°	256.1	256.0	255.8	255.7	255.5	255.4	255.2
130°	270.3	270.2	270.0	269.9	269.7	269.5	269.4
132.5°	283.8	283.7	283.6	283.4	283.2	282.9	282.7
135°	304.8	304.8	304.7	304.4	304.0	303.7	303.4
137.5°	325.3	325.5	325.3	324.9	324.5	324.0	323.6
140°	338.3	338.4	338.3	337.9	337.5	337.0	336.6
142.5°	350.7	350.8	350.7	350.3	349.8	349.4	349.0
145°	368.8	368.8	368.7	368.4	368.2	367.9	367.7
147.5°	385.8	386.0	385.8	385.2	384.7	384.1	383.6
150°	396.2	396.2	396.1	395.9	395.7	395.6	395.4
152.5°	406.2	406.3	406.3	406.0	405.8	405.4	405.1
155°	420.4	420.7	420.7	420.3	419.9	419.5	419.1
157.5°	432.6	432.9	432.8	432.3	431.7	431.2	430.6
160°	440.0	440.3	440.3	439.9	439.4	439.0	438.6
162.5°	446.9	447.4	447.4	446.9	446.4	445.9	445.4
165°	456.2	456.6	456.5	456.0	455.5	455.0	454.5
167.5°	463.3	463.8	463.8	463.3	462.8	462.3	461.8
170°	467.4	468.0	467.9	467.3	466.8	466.2	465.6
172.5°	470.4	470.9	470.9	470.3	469.9	469.4	468.9
175°	473.8	474.3	474.2	473.6	473.0	472.5	471.9
177.5°	475.2	475.6	475.5	475.1	474.6	474.1	473.7
180°	474.8	474.8	474.8	474.8	474.8	474.8	474.8

(END OF REPORT)