

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: P333640-935

Luminaire Tested: **S125RDIW-S375D470U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333640-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S375D470U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2870.3 lumens
Efficiency: N/A
Efficacy: 124.8 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

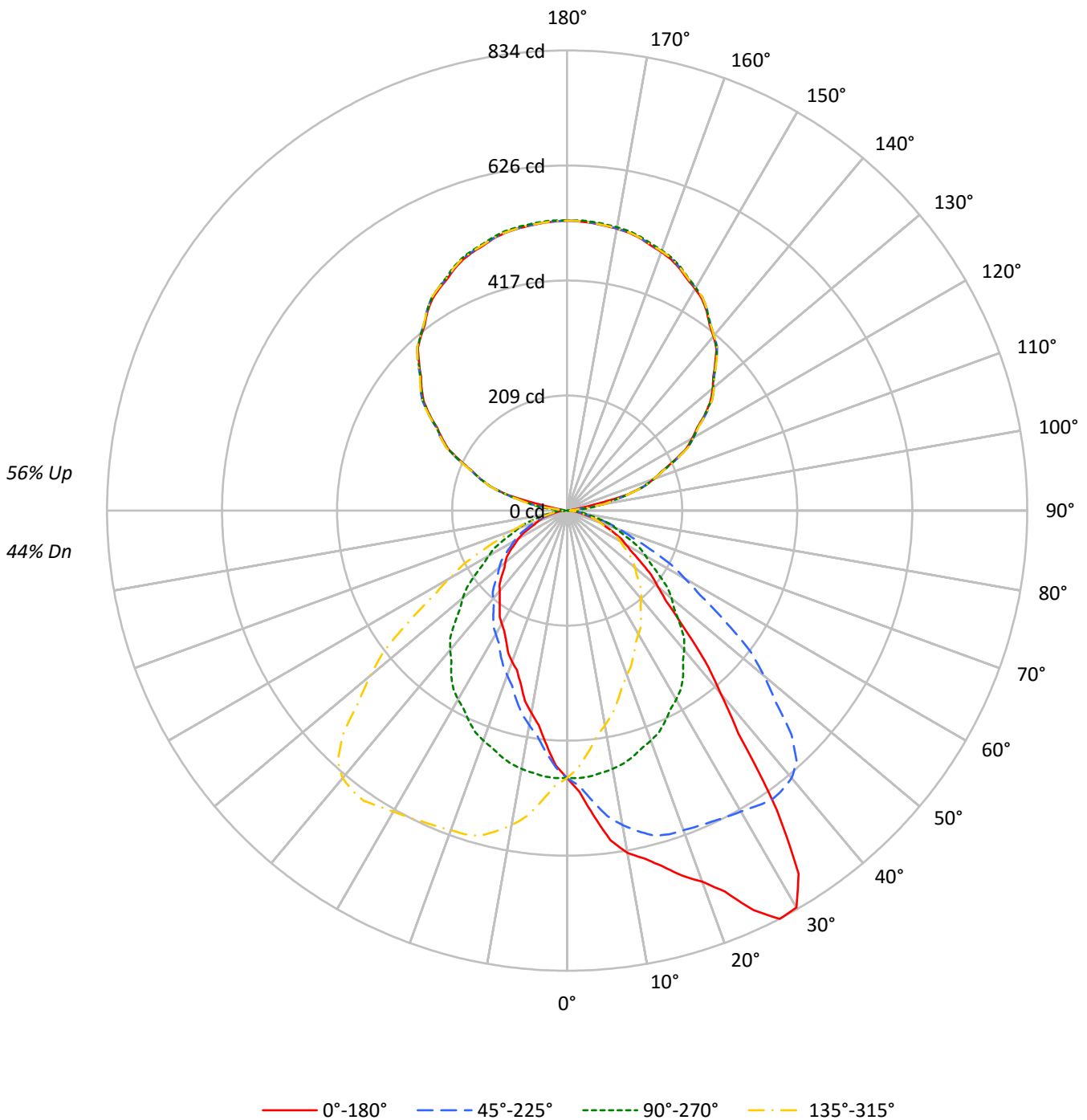
Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44
1	97	93	89	86	88	85	82	79	71	68	66	57	56	54	45	44	43	38
2	88	81	75	70	81	75	70	65	62	59	55	51	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24
5	68	57	49	43	62	52	45	40	44	39	35	36	32	29	29	26	24	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	26	24	21	18
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	15
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	18	15	13
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3130	3130	3130	3130
5°	3601	3135	2768	3135
10°	4131	3118	2443	3118
15°	4462	3086	2171	3086
20°	4920	3049	2004	3049
25°	5694	2999	1861	2999
30°	6196	2948	1766	2948
35°	5226	2888	1678	2888
40°	3650	2780	1604	2780
45°	2707	2633	1531	2633
50°	2159	2481	1467	2481
55°	1832	2291	1412	2291
60°	1582	2124	1321	2124
65°	1411	1939	1137	1939
70°	1241	1777	1037	1777
75°	1073	1537	973	1537
80°	815	1294	815	1294
85°	674	1015	763	1015



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	1.6
10°-20°	136.2	4.7
20°-30°	215.9	7.5
30°-40°	260.4	9.1
40°-50°	232.6	8.1
50°-60°	178.3	6.2
60°-70°	115.9	4.0
70°-80°	56.3	2.0
80°-90°	14.5	0.5
90°-100°	19.1	0.7
100°-110°	117.7	4.1
110°-120°	213.4	7.4
120°-130°	273.9	9.5
130°-140°	294.6	10.3
140°-150°	276.5	9.6
150°-160°	223.7	7.8
160°-170°	144.7	5.0
170°-180°	49.9	1.7
0°-30°	398.6	13.9
0°-40°	659.0	23.0
0°-60°	1069.9	37.3
0°-90°	1256.7	43.8
90°-120°	350.2	12.2
90°-150°	1195.3	41.6
90°-180°	1614.0	56.2
0°-180°	2870.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	555	484	427	484	555	55
15°	667	462	325	462	667	191
25°	799	421	261	421	799	367
35°	663	366	213	366	663	400
45°	296	288	168	288	296	237
55°	163	204	125	204	163	148
65°	92	127	74	127	92	92
75°	43	62	39	62	43	46
85°	9	14	10	14	9	11
90°	9	0	9	0	9	4
95°	8	22	8	22	8	7
105°	116	114	116	114	116	105
115°	213	215	213	215	213	212
125°	306	306	306	306	306	272
135°	380	381	380	381	380	293
145°	441	442	441	442	441	275
155°	483	487	483	487	483	223
165°	511	514	511	514	511	144
175°	523	526	523	526	523	50
180°	526	526	526	526	526	



TEST NUMBER: P333640-935

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	509.8	509.5	510.1	508.3	508.5	505.8	505.8	503.8	501.0	498.9	498.0
5°	555.4	555.9	555.1	552.1	550.1	547.1	543.7	537.8	532.8	528.0	524.3
7.5°	602.5	602.8	600.1	599.3	594.2	590.6	583.1	574.9	567.7	558.5	551.6
10°	629.9	629.6	626.9	624.7	620.4	614.8	607.3	597.9	588.9	578.9	569.4
12.5°	645.8	645.2	644.4	641.7	637.7	632.7	626.5	617.1	606.1	595.2	584.0
15°	667.3	665.9	663.3	659.9	654.1	648.3	641.4	633.1	622.5	610.2	599.9
17.5°	693.9	693.9	689.9	685.2	677.3	667.2	656.4	643.0	628.6	615.1	604.1
20°	715.8	715.2	711.3	702.1	693.1	680.4	668.0	651.5	634.0	616.3	602.6
22.5°	747.3	745.8	741.7	729.6	715.7	699.3	680.4	660.3	639.1	619.1	601.0
25°	799.0	797.8	789.6	775.7	756.2	730.9	706.3	678.6	648.2	621.7	599.9
27.5°	834.3	833.0	826.9	815.4	797.4	770.8	737.4	700.4	662.5	626.0	594.5
30°	830.8	833.8	833.0	827.6	814.1	790.2	759.4	717.8	672.6	629.9	592.3
32.5°	780.8	783.5	790.5	801.1	801.8	792.3	769.2	730.8	684.1	635.4	590.5
35°	662.9	666.5	680.0	701.3	729.2	752.4	757.2	736.5	694.5	642.2	587.9
37.5°	509.6	529.2	540.6	563.0	605.1	647.9	689.1	704.2	686.4	639.4	583.7
40°	432.9	437.6	458.0	483.3	518.7	563.2	621.9	664.3	665.6	633.1	577.0
42.5°	370.5	376.6	390.5	410.7	441.0	485.5	546.1	602.1	627.9	615.5	568.2
45°	296.4	301.0	311.2	326.7	349.9	386.8	438.9	503.5	554.8	575.0	544.8
47.5°	243.5	246.0	254.8	266.7	283.9	310.6	351.0	407.2	468.7	511.9	507.6
50°	214.9	217.7	224.4	233.3	247.9	270.5	302.8	349.6	413.0	465.7	476.3
52.5°	192.6	194.9	199.1	207.6	219.6	236.9	263.0	305.3	362.4	418.4	442.9
55°	162.7	164.4	167.7	172.5	182.0	194.6	217.1	246.3	292.5	349.0	384.8
57.5°	138.2	139.0	141.1	145.5	152.1	161.3	177.5	202.2	235.4	286.3	325.8
60°	122.5	123.4	126.1	129.2	134.3	142.7	155.4	172.7	204.5	246.5	286.5
62.5°	110.1	110.6	111.8	114.8	119.3	125.8	135.8	149.9	175.2	212.2	249.9
65°	92.3	92.5	92.9	95.3	98.1	102.9	109.4	119.3	138.4	166.3	199.8
67.5°	75.2	75.5	76.9	77.7	80.6	83.1	87.0	94.5	108.1	126.8	152.8
70°	65.7	65.4	66.8	67.8	68.8	71.8	74.4	80.6	88.9	103.2	124.9
72.5°	56.7	56.2	56.8	57.2	58.5	60.5	63.1	66.9	73.4	83.2	99.8
75°	43.0	43.1	43.1	43.6	44.6	45.4	46.1	48.1	51.7	58.3	67.2
77.5°	30.1	29.9	30.7	30.8	31.4	32.3	33.0	33.8	35.2	37.9	42.5
80°	21.9	21.9	22.0	22.6	22.5	22.9	23.8	24.7	26.4	28.1	29.6
82.5°	16.8	16.6	16.8	17.0	16.9	17.3	17.7	17.8	18.5	19.3	20.4
85°	9.1	9.1	9.4	9.4	9.6	9.6	9.7	9.7	9.7	10.0	10.2
87.5°	5.3	5.2	4.9	4.9	5.0	5.3	5.0	4.7	4.6	4.6	4.6
90°	9.4	9.1	8.9	8.6	8.4	7.9	7.5	7.1	6.6	6.2	5.6
92.5°	8.7	8.6	8.5	8.4	8.3	7.9	7.5	7.1	6.6	6.2	5.7
95°	8.2	8.2	8.2	8.2	8.2	7.9	7.5	7.1	6.6	6.2	9.6
97.5°	8.2	8.2	8.2	8.2	8.2	9.4	11.9	14.3	16.7	19.2	25.7
100°	8.2	8.5	8.9	9.2	9.6	16.2	29.1	42.0	54.8	67.8	67.4
102.5°	49.0	54.8	60.8	66.6	72.6	76.7	79.1	81.6	84.0	86.4	86.3
105°	115.7	115.8	115.9	116.0	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	145.9	146.1	146.4	146.6	146.9	147.0	147.0	147.0	147.0	146.9	146.7
110°	166.7	166.6	166.5	166.4	166.3	166.4	166.7	166.9	167.2	167.5	167.3



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	185.4	185.5	185.6	185.8	185.9	186.1	186.4	186.8	187.1	187.4	187.4
115°	213.4	214.0	214.5	215.0	215.5	215.9	216.3	216.6	217.0	217.3	217.2
117.5°	243.4	243.6	243.8	244.0	244.3	244.6	245.0	245.5	246.0	246.4	246.1
120°	261.7	262.2	262.6	263.0	263.5	263.8	264.0	264.2	264.3	264.5	264.2
122.5°	279.2	279.7	280.2	280.7	281.2	281.5	281.7	281.9	282.1	282.2	282.1
125°	305.7	306.0	306.3	306.5	306.8	307.1	307.5	307.8	308.2	308.5	308.5
127.5°	328.1	328.7	329.4	330.0	330.7	331.1	331.3	331.5	331.7	331.8	331.9
130°	344.3	344.7	345.2	345.6	346.0	346.4	346.6	346.9	347.2	347.4	347.3
132.5°	359.3	359.7	360.2	360.6	361.0	361.3	361.3	361.4	361.4	361.4	361.6
135°	379.8	380.3	380.8	381.3	381.9	382.2	382.4	382.5	382.7	382.9	383.1
137.5°	400.4	400.8	401.2	401.7	402.2	402.3	402.3	402.3	402.3	402.2	402.3
140°	412.5	413.0	413.5	414.1	414.6	414.7	414.6	414.4	414.2	414.1	414.1
142.5°	424.0	424.6	425.1	425.6	426.1	426.4	426.3	426.3	426.2	426.2	426.1
145°	440.9	441.4	442.0	442.5	443.0	443.2	443.2	443.1	443.0	442.9	442.9
147.5°	454.9	455.5	456.2	456.8	457.4	457.6	457.5	457.4	457.3	457.2	457.1
150°	463.9	464.6	465.3	466.0	466.7	466.9	466.7	466.6	466.4	466.2	466.1
152.5°	472.3	472.9	473.6	474.2	474.8	475.0	474.8	474.7	474.5	474.3	474.2
155°	483.4	484.1	484.7	485.4	486.1	486.4	486.1	485.9	485.6	485.3	485.2
157.5°	492.7	493.4	494.0	494.7	495.4	495.6	495.3	495.1	494.8	494.6	494.5
160°	498.6	499.3	500.0	500.7	501.4	501.5	501.2	500.8	500.5	500.2	500.1
162.5°	503.9	504.6	505.4	506.2	507.0	507.0	506.6	506.1	505.6	505.1	505.1
165°	511.0	511.7	512.4	513.2	513.8	513.9	513.4	512.9	512.3	511.8	511.7
167.5°	516.0	516.8	517.5	518.3	519.2	519.2	518.6	518.0	517.4	516.7	516.6
170°	518.8	519.6	520.4	521.2	521.9	522.0	521.3	520.6	519.9	519.2	519.1
172.5°	520.7	521.5	522.3	523.1	523.8	523.9	523.2	522.6	522.0	521.4	521.2
175°	523.1	523.9	524.7	525.5	526.2	526.2	525.6	524.9	524.2	523.5	523.4
177.5°	524.5	525.0	525.6	526.2	526.8	526.8	526.2	525.8	525.3	524.9	524.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	498.0	496.9	494.8	492.9	490.5	488.4	487.0	485.3	483.0	480.4	478.1
5°	520.0	515.7	509.9	504.9	498.5	493.6	488.4	483.5	478.5	472.1	466.5
7.5°	544.5	535.5	526.7	515.6	505.6	496.6	488.0	479.3	470.8	461.8	453.1
10°	559.5	548.5	536.4	522.5	509.7	497.6	486.5	475.4	463.9	453.8	442.9
12.5°	573.4	559.3	545.4	527.9	512.6	497.7	483.5	469.9	457.6	444.4	432.7
15°	586.1	572.1	556.6	535.2	513.8	495.9	479.2	461.6	446.3	431.5	418.4
17.5°	591.0	576.4	558.4	537.7	514.4	491.9	470.4	451.0	432.9	415.8	401.1
20°	589.1	575.0	556.5	536.7	511.9	488.4	465.1	443.7	423.5	405.4	389.8
22.5°	584.4	569.9	552.0	531.2	507.6	482.7	457.8	434.9	413.9	395.1	378.0
25°	577.6	557.7	539.3	519.0	496.5	471.9	446.3	420.9	398.5	379.4	360.7
27.5°	570.3	545.5	522.2	502.0	478.3	456.3	431.5	405.6	382.0	362.6	343.4
30°	563.8	536.0	510.3	487.4	464.9	444.0	420.6	395.3	371.0	350.9	331.5
32.5°	555.7	526.1	497.9	471.5	449.8	429.1	407.9	383.7	360.1	339.3	319.5
35°	545.5	507.7	477.1	449.0	425.0	404.8	385.7	366.3	342.6	321.1	301.8
37.5°	532.2	489.2	453.8	423.3	397.9	377.7	362.6	344.7	323.1	302.6	284.7
40°	524.0	475.9	437.1	406.8	380.2	358.9	344.7	329.7	310.0	290.7	272.8
42.5°	513.2	463.6	420.3	388.7	361.9	341.4	327.1	313.9	297.4	279.2	260.0
45°	492.0	439.9	394.3	360.5	333.5	313.3	300.0	288.3	275.8	259.0	242.3
47.5°	464.4	415.1	367.4	330.5	304.0	285.3	272.4	263.1	254.2	240.0	223.8
50°	442.3	394.7	348.2	312.4	284.1	266.4	254.3	246.9	238.8	225.8	212.2
52.5°	416.1	373.7	328.1	291.5	264.8	248.2	236.6	229.2	222.5	212.0	199.1
55°	375.1	337.8	296.0	262.8	238.3	221.6	210.5	203.5	199.6	190.6	180.5
57.5°	327.5	300.9	264.1	232.0	210.3	193.9	185.7	179.8	175.3	168.9	161.8
60°	294.5	275.8	242.7	212.2	192.3	176.7	169.3	164.4	160.1	154.8	149.2
62.5°	260.9	247.3	218.5	192.3	174.1	160.9	154.0	149.6	144.7	141.1	135.7
65°	215.9	203.7	183.8	163.3	146.5	135.9	130.9	126.9	124.0	119.9	116.1
67.5°	167.9	163.0	149.2	135.1	123.0	113.6	109.3	106.5	103.0	100.6	98.0
70°	138.4	136.0	126.3	117.0	105.6	99.3	95.3	94.1	89.7	87.3	85.6
72.5°	112.4	111.2	105.6	99.2	91.2	85.6	82.0	80.6	77.7	75.9	74.7
75°	77.0	77.4	76.4	72.2	69.2	65.7	62.5	61.6	59.7	58.1	57.1
77.5°	48.7	50.7	50.8	50.6	49.4	47.3	45.9	45.3	43.4	42.8	42.5
80°	33.4	35.6	37.6	37.4	37.0	36.4	35.4	34.8	33.8	33.2	32.8
82.5°	22.3	24.3	26.0	27.0	26.9	26.3	25.7	25.4	25.2	24.8	24.7
85°	10.5	10.9	11.5	12.9	13.9	14.1	13.9	13.7	13.2	13.3	13.5
87.5°	4.6	4.6	4.6	4.5	4.1	4.8	5.2	5.2	5.0	4.8	4.6
90°	5.0	4.4	3.8	3.2	2.5	1.8	1.1	0.4	1.1	1.8	2.5
92.5°	5.2	4.6	4.0	4.0	4.6	5.0	5.5	6.0	5.5	5.0	4.6
95°	12.8	16.1	19.4	21.2	21.4	21.7	22.0	22.2	22.0	21.7	21.4
97.5°	32.2	38.7	45.2	48.2	47.8	47.3	46.8	46.3	46.8	47.3	47.8
100°	67.1	66.7	66.4	66.1	65.9	65.6	65.3	65.0	65.3	65.6	65.9
102.5°	86.0	85.8	85.7	85.4	85.1	84.7	84.4	84.0	84.4	84.7	85.1
105°	116.1	116.1	116.1	115.9	115.5	115.2	114.9	114.5	114.9	115.2	115.5
107.5°	146.5	146.4	146.2	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1
110°	167.1	166.9	166.8	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	187.3	187.1	187.0	186.8	186.7	186.4	186.2	186.1	186.2	186.4	186.7
115°	217.1	217.1	217.0	216.7	216.3	215.9	215.4	215.0	215.4	215.9	216.3
117.5°	245.7	245.4	245.1	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
120°	264.0	263.7	263.5	263.4	263.5	263.6	263.6	263.7	263.6	263.6	263.5
122.5°	282.0	281.9	281.7	281.5	281.2	280.9	280.5	280.3	280.5	280.9	281.2
125°	308.5	308.5	308.5	308.2	307.5	306.9	306.3	305.7	306.3	306.9	307.5
127.5°	332.0	332.0	332.1	331.9	331.5	331.1	330.6	330.1	330.6	331.1	331.5
130°	347.2	347.2	347.1	346.8	346.4	345.9	345.5	345.1	345.5	345.9	346.4
132.5°	361.9	362.1	362.2	362.1	361.5	361.1	360.6	360.1	360.6	361.1	361.5
135°	383.2	383.4	383.6	383.4	382.9	382.4	381.9	381.3	381.9	382.4	382.9
137.5°	402.5	402.7	402.9	402.7	402.3	401.7	401.3	400.9	401.3	401.7	402.3
140°	414.2	414.3	414.4	414.3	414.1	414.0	413.8	413.6	413.8	414.0	414.1
142.5°	425.9	425.9	425.7	425.6	425.5	425.4	425.3	425.2	425.3	425.4	425.5
145°	442.9	442.9	442.9	442.8	442.6	442.5	442.3	442.1	442.3	442.5	442.6
147.5°	457.0	456.9	456.8	456.8	456.8	456.8	456.8	456.9	456.8	456.8	456.8
150°	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2	466.1	465.9	465.7
152.5°	474.0	473.8	473.6	473.7	474.2	474.5	474.9	475.3	474.9	474.5	474.2
155°	485.0	484.8	484.7	484.8	485.3	485.9	486.4	486.9	486.4	485.9	485.3
157.5°	494.5	494.5	494.5	494.6	494.9	495.2	495.5	495.8	495.5	495.2	494.9
160°	500.0	499.9	499.8	500.0	500.5	501.0	501.5	502.0	501.5	501.0	500.5
162.5°	505.0	504.9	504.8	505.0	505.5	506.0	506.5	507.0	506.5	506.0	505.5
165°	511.6	511.5	511.4	511.7	512.2	512.7	513.2	513.8	513.2	512.7	512.2
167.5°	516.5	516.4	516.3	516.6	517.1	517.7	518.2	518.8	518.2	517.7	517.1
170°	519.0	518.9	518.8	519.1	519.7	520.3	521.0	521.6	521.0	520.3	519.7
172.5°	521.1	520.9	520.8	521.0	521.6	522.2	522.8	523.4	522.8	522.2	521.6
175°	523.3	523.2	523.1	523.4	523.9	524.4	525.0	525.5	525.0	524.4	523.9
177.5°	524.7	524.6	524.5	524.7	525.1	525.6	526.0	526.4	526.0	525.6	525.1
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	476.5	474.3	472.7	469.5	467.3	466.3	464.6	464.1	465.9	464.6	464.4
5°	462.4	456.6	452.0	447.5	442.5	439.3	434.5	433.7	432.5	430.8	430.3
7.5°	445.4	437.8	432.0	424.4	417.8	412.5	406.6	403.7	402.2	399.8	396.7
10°	433.9	425.0	417.0	409.4	401.3	394.7	388.7	384.2	381.2	378.4	377.2
12.5°	422.6	413.5	403.3	394.2	385.0	377.7	371.1	368.1	364.8	361.5	358.8
15°	405.0	393.0	381.8	371.3	363.5	355.5	349.1	344.7	339.8	338.4	333.0
17.5°	386.4	374.5	361.4	350.4	341.4	332.6	325.6	320.6	316.9	311.8	309.4
20°	374.8	360.7	347.9	337.8	327.9	317.5	310.4	306.2	302.6	298.4	296.4
22.5°	362.4	348.6	335.5	323.6	313.6	303.3	298.3	293.9	289.9	286.0	283.4
25°	344.1	330.3	316.5	304.2	293.7	286.3	280.3	275.3	273.2	269.4	266.6
27.5°	326.1	311.3	297.1	284.8	276.6	269.2	264.3	260.5	256.5	253.2	250.7
30°	314.5	299.5	283.9	274.1	265.4	258.5	253.0	249.3	246.3	243.3	241.5
32.5°	302.9	287.3	273.5	263.0	254.8	248.7	243.2	239.5	236.4	233.2	231.0
35°	284.3	268.4	257.3	246.9	238.8	233.2	229.4	224.2	221.6	219.2	217.1
37.5°	267.0	252.2	240.1	231.1	223.9	218.4	213.5	210.8	207.6	205.4	203.6
40°	254.3	240.7	229.8	220.2	215.1	208.9	204.3	200.7	198.4	195.5	193.6
42.5°	242.8	230.2	219.6	211.0	204.6	199.3	194.9	191.3	188.3	186.3	184.7
45°	226.6	214.0	203.7	195.8	189.8	184.9	180.2	178.5	174.4	172.1	171.3
47.5°	209.8	198.6	188.6	181.3	175.2	170.5	166.2	162.6	160.3	158.0	156.7
50°	198.5	187.8	178.5	171.3	165.3	160.1	156.2	153.8	150.8	148.6	147.1
52.5°	187.3	177.3	168.0	161.1	155.9	150.8	146.3	144.0	141.1	139.7	138.6
55°	171.1	160.6	152.6	145.9	140.4	135.7	131.5	129.2	127.3	126.0	125.5
57.5°	152.8	144.5	137.1	131.0	125.4	120.9	117.2	114.9	113.4	113.1	111.9
60°	140.9	133.3	126.6	119.9	115.2	111.0	107.8	105.2	103.7	103.5	103.1
62.5°	128.9	121.7	115.4	109.6	105.3	101.3	98.2	95.4	94.5	93.4	92.6
65°	111.2	104.6	99.4	94.9	90.3	87.0	83.9	82.1	80.0	78.8	76.6
67.5°	93.8	88.8	83.8	79.9	76.3	73.1	70.6	67.9	66.5	65.5	64.0
70°	82.4	78.4	73.4	69.2	66.5	63.9	61.9	58.9	57.9	57.1	56.3
72.5°	71.5	68.0	63.9	60.4	57.7	55.3	53.0	51.6	50.5	49.8	49.3
75°	56.3	53.0	49.3	46.9	44.9	43.0	41.8	40.8	40.4	40.2	39.4
77.5°	41.3	39.5	36.7	34.8	33.5	32.6	31.6	31.1	31.0	30.1	29.9
80°	31.6	30.7	28.2	27.5	26.4	25.7	25.1	24.1	23.1	22.6	22.0
82.5°	23.5	22.6	21.5	20.3	19.5	18.9	18.4	18.0	18.2	17.6	17.3
85°	12.6	11.5	11.1	10.9	10.5	10.9	10.8	10.5	10.3	10.2	10.3
87.5°	4.6	4.7	4.7	5.2	4.8	5.1	5.2	5.1	5.2	5.3	5.2
90°	3.2	3.8	4.4	5.0	5.6	6.2	6.6	7.1	7.5	7.9	8.4
92.5°	4.0	4.0	4.6	5.2	5.7	6.2	6.6	7.1	7.5	7.9	8.3
95°	21.2	19.4	16.1	12.8	9.6	6.2	6.6	7.1	7.5	7.9	8.2
97.5°	48.2	45.2	38.7	32.2	25.7	19.2	16.7	14.3	11.9	9.4	8.2
100°	66.1	66.4	66.7	67.1	67.4	67.8	54.8	42.0	29.1	16.2	9.6
102.5°	85.4	85.7	85.8	86.0	86.3	86.4	84.0	81.6	79.1	76.7	72.6
105°	115.9	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	146.1	146.2	146.4	146.5	146.7	146.9	147.0	147.0	147.0	147.0	146.9
110°	166.7	166.8	166.9	167.1	167.3	167.5	167.2	166.9	166.7	166.4	166.3



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	186.8	187.0	187.1	187.3	187.4	187.4	187.1	186.8	186.4	186.1	185.9
115°	216.7	217.0	217.1	217.1	217.2	217.3	217.0	216.6	216.3	215.9	215.5
117.5°	245.0	245.1	245.4	245.7	246.1	246.4	246.0	245.5	245.0	244.6	244.3
120°	263.4	263.5	263.7	264.0	264.2	264.5	264.3	264.2	264.0	263.8	263.5
122.5°	281.5	281.7	281.9	282.0	282.1	282.2	282.1	281.9	281.7	281.5	281.2
125°	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.8	307.5	307.1	306.8
127.5°	331.9	332.1	332.0	332.0	331.9	331.8	331.7	331.5	331.3	331.1	330.7
130°	346.8	347.1	347.2	347.2	347.3	347.4	347.2	346.9	346.6	346.4	346.0
132.5°	362.1	362.2	362.1	361.9	361.6	361.4	361.4	361.4	361.3	361.3	361.0
135°	383.4	383.6	383.4	383.2	383.1	382.9	382.7	382.5	382.4	382.2	381.9
137.5°	402.7	402.9	402.7	402.5	402.3	402.2	402.3	402.3	402.3	402.3	402.2
140°	414.3	414.4	414.3	414.2	414.1	414.1	414.2	414.4	414.6	414.7	414.6
142.5°	425.6	425.7	425.9	425.9	426.1	426.2	426.2	426.3	426.3	426.4	426.1
145°	442.8	442.9	442.9	442.9	442.9	442.9	443.0	443.1	443.2	443.2	443.0
147.5°	456.8	456.8	456.9	457.0	457.1	457.2	457.3	457.4	457.5	457.6	457.4
150°	465.5	465.5	465.7	465.9	466.1	466.2	466.4	466.6	466.7	466.9	466.7
152.5°	473.7	473.6	473.8	474.0	474.2	474.3	474.5	474.7	474.8	475.0	474.8
155°	484.8	484.7	484.8	485.0	485.2	485.3	485.6	485.9	486.1	486.4	486.1
157.5°	494.6	494.5	494.5	494.5	494.5	494.6	494.8	495.1	495.3	495.6	495.4
160°	500.0	499.8	499.9	500.0	500.1	500.2	500.5	500.8	501.2	501.5	501.4
162.5°	505.0	504.8	504.9	505.0	505.1	505.1	505.6	506.1	506.6	507.0	507.0
165°	511.7	511.4	511.5	511.6	511.7	511.8	512.3	512.9	513.4	513.9	513.8
167.5°	516.6	516.3	516.4	516.5	516.6	516.7	517.4	518.0	518.6	519.2	519.2
170°	519.1	518.8	518.9	519.0	519.1	519.2	519.9	520.6	521.3	522.0	521.9
172.5°	521.0	520.8	520.9	521.1	521.2	521.4	522.0	522.6	523.2	523.9	523.8
175°	523.4	523.1	523.2	523.3	523.4	523.5	524.2	524.9	525.6	526.2	526.2
177.5°	524.7	524.5	524.6	524.7	524.8	524.9	525.3	525.8	526.2	526.8	526.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	464.3	462.5	462.0	462.7	462.0	462.5	464.3	464.4	464.6	465.9	464.1
5°	428.3	426.4	427.3	427.0	427.3	426.4	428.3	430.3	430.8	432.5	433.7
7.5°	396.7	394.3	391.7	392.4	391.7	394.3	396.7	396.7	399.8	402.2	403.7
10°	374.6	372.6	371.4	372.5	371.4	372.6	374.6	377.2	378.4	381.2	384.2
12.5°	356.0	354.8	353.8	353.4	353.8	354.8	356.0	358.8	361.5	364.8	368.1
15°	330.6	328.3	327.3	324.7	327.3	328.3	330.6	333.0	338.4	339.8	344.7
17.5°	307.3	306.5	303.9	302.8	303.9	306.5	307.3	309.4	311.8	316.9	320.6
20°	293.4	292.7	290.1	291.6	290.1	292.7	293.4	296.4	298.4	302.6	306.2
22.5°	282.0	280.3	279.4	279.0	279.4	280.3	282.0	283.4	286.0	289.9	293.9
25°	265.8	263.2	262.2	261.1	262.2	263.2	265.8	266.6	269.4	273.2	275.3
27.5°	249.6	248.2	246.9	246.6	246.9	248.2	249.6	250.7	253.2	256.5	260.5
30°	239.1	237.7	236.8	236.8	236.8	237.7	239.1	241.5	243.3	246.3	249.3
32.5°	229.7	228.7	227.6	227.5	227.6	228.7	229.7	231.0	233.2	236.4	239.5
35°	216.0	214.5	214.0	212.8	214.0	214.5	216.0	217.1	219.2	221.6	224.2
37.5°	201.8	200.5	200.5	200.4	200.5	200.5	201.8	203.6	205.4	207.6	210.8
40°	192.8	191.7	191.6	190.2	191.6	191.7	192.8	193.6	195.5	198.4	200.7
42.5°	183.0	182.5	181.8	181.2	181.8	182.5	183.0	184.7	186.3	188.3	191.3
45°	169.9	168.5	168.5	167.6	168.5	168.5	169.9	171.3	172.1	174.4	178.5
47.5°	156.3	155.2	155.3	154.3	155.3	155.2	156.3	156.7	158.0	160.3	162.6
50°	147.2	146.6	146.5	146.0	146.5	146.6	147.2	147.1	148.6	150.8	153.8
52.5°	138.2	137.8	138.6	137.8	138.6	137.8	138.2	138.6	139.7	141.1	144.0
55°	126.0	125.4	126.6	125.4	126.6	125.4	126.0	125.5	126.0	127.3	129.2
57.5°	111.9	111.3	112.4	111.8	112.4	111.3	111.9	111.9	113.1	113.4	114.9
60°	102.6	101.4	102.0	102.3	102.0	101.4	102.6	103.1	103.5	103.7	105.2
62.5°	91.7	90.9	91.4	90.5	91.4	90.9	91.7	92.6	93.4	94.5	95.4
65°	76.2	75.6	74.8	74.4	74.8	75.6	76.2	76.6	78.8	80.0	82.1
67.5°	64.1	62.6	62.5	62.9	62.5	62.6	64.1	64.0	65.5	66.5	67.9
70°	55.1	55.1	54.9	54.9	54.9	55.1	55.1	56.3	57.1	57.9	58.9
72.5°	48.9	48.7	48.4	48.2	48.4	48.7	48.9	49.3	49.8	50.5	51.6
75°	39.4	39.6	39.2	39.0	39.2	39.6	39.4	39.4	40.2	40.4	40.8
77.5°	29.1	28.2	28.7	28.2	28.7	28.2	29.1	29.9	30.1	31.0	31.1
80°	22.0	21.9	22.5	21.9	22.5	21.9	22.0	22.0	22.6	23.1	24.1
82.5°	17.5	17.3	17.6	17.1	17.6	17.3	17.5	17.3	17.6	18.2	18.0
85°	10.5	10.3	10.2	10.3	10.2	10.3	10.5	10.3	10.2	10.3	10.5
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.3	5.2	5.1
90°	8.6	8.9	9.1	9.4	9.1	8.9	8.6	8.4	7.9	7.5	7.1
92.5°	8.4	8.5	8.6	8.7	8.6	8.5	8.4	8.3	7.9	7.5	7.1
95°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.5	7.1
97.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.4	11.9	14.3
100°	9.2	8.9	8.5	8.2	8.5	8.9	9.2	9.6	16.2	29.1	42.0
102.5°	66.6	60.8	54.8	49.0	54.8	60.8	66.6	72.6	76.7	79.1	81.6
105°	116.0	115.9	115.8	115.7	115.8	115.9	116.0	116.1	116.1	116.1	116.1
107.5°	146.6	146.4	146.1	145.9	146.1	146.4	146.6	146.9	147.0	147.0	147.0
110°	166.4	166.5	166.6	166.7	166.6	166.5	166.4	166.3	166.4	166.7	166.9



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	185.8	185.6	185.5	185.4	185.5	185.6	185.8	185.9	186.1	186.4	186.8
115°	215.0	214.5	214.0	213.4	214.0	214.5	215.0	215.5	215.9	216.3	216.6
117.5°	244.0	243.8	243.6	243.4	243.6	243.8	244.0	244.3	244.6	245.0	245.5
120°	263.0	262.6	262.2	261.7	262.2	262.6	263.0	263.5	263.8	264.0	264.2
122.5°	280.7	280.2	279.7	279.2	279.7	280.2	280.7	281.2	281.5	281.7	281.9
125°	306.5	306.3	306.0	305.7	306.0	306.3	306.5	306.8	307.1	307.5	307.8
127.5°	330.0	329.4	328.7	328.1	328.7	329.4	330.0	330.7	331.1	331.3	331.5
130°	345.6	345.2	344.7	344.3	344.7	345.2	345.6	346.0	346.4	346.6	346.9
132.5°	360.6	360.2	359.7	359.3	359.7	360.2	360.6	361.0	361.3	361.3	361.4
135°	381.3	380.8	380.3	379.8	380.3	380.8	381.3	381.9	382.2	382.4	382.5
137.5°	401.7	401.2	400.8	400.4	400.8	401.2	401.7	402.2	402.3	402.3	402.3
140°	414.1	413.5	413.0	412.5	413.0	413.5	414.1	414.6	414.7	414.6	414.4
142.5°	425.6	425.1	424.6	424.0	424.6	425.1	425.6	426.1	426.4	426.3	426.3
145°	442.5	442.0	441.4	440.9	441.4	442.0	442.5	443.0	443.2	443.2	443.1
147.5°	456.8	456.2	455.5	454.9	455.5	456.2	456.8	457.4	457.6	457.5	457.4
150°	466.0	465.3	464.6	463.9	464.6	465.3	466.0	466.7	466.9	466.7	466.6
152.5°	474.2	473.6	472.9	472.3	472.9	473.6	474.2	474.8	475.0	474.8	474.7
155°	485.4	484.7	484.1	483.4	484.1	484.7	485.4	486.1	486.4	486.1	485.9
157.5°	494.7	494.0	493.4	492.7	493.4	494.0	494.7	495.4	495.6	495.3	495.1
160°	500.7	500.0	499.3	498.6	499.3	500.0	500.7	501.4	501.5	501.2	500.8
162.5°	506.2	505.4	504.6	503.9	504.6	505.4	506.2	507.0	507.0	506.6	506.1
165°	513.2	512.4	511.7	511.0	511.7	512.4	513.2	513.8	513.9	513.4	512.9
167.5°	518.3	517.5	516.8	516.0	516.8	517.5	518.3	519.2	519.2	518.6	518.0
170°	521.2	520.4	519.6	518.8	519.6	520.4	521.2	521.9	522.0	521.3	520.6
172.5°	523.1	522.3	521.5	520.7	521.5	522.3	523.1	523.8	523.9	523.2	522.6
175°	525.5	524.7	523.9	523.1	523.9	524.7	525.5	526.2	526.2	525.6	524.9
177.5°	526.2	525.6	525.0	524.5	525.0	525.6	526.2	526.8	526.8	526.2	525.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	464.6	466.3	467.3	469.5	472.7	474.3	476.5	478.1	480.4	483.0	485.3
5°	434.5	439.3	442.5	447.5	452.0	456.6	462.4	466.5	472.1	478.5	483.5
7.5°	406.6	412.5	417.8	424.4	432.0	437.8	445.4	453.1	461.8	470.8	479.3
10°	388.7	394.7	401.3	409.4	417.0	425.0	433.9	442.9	453.8	463.9	475.4
12.5°	371.1	377.7	385.0	394.2	403.3	413.5	422.6	432.7	444.4	457.6	469.9
15°	349.1	355.5	363.5	371.3	381.8	393.0	405.0	418.4	431.5	446.3	461.6
17.5°	325.6	332.6	341.4	350.4	361.4	374.5	386.4	401.1	415.8	432.9	451.0
20°	310.4	317.5	327.9	337.8	347.9	360.7	374.8	389.8	405.4	423.5	443.7
22.5°	298.3	303.3	313.6	323.6	335.5	348.6	362.4	378.0	395.1	413.9	434.9
25°	280.3	286.3	293.7	304.2	316.5	330.3	344.1	360.7	379.4	398.5	420.9
27.5°	264.3	269.2	276.6	284.8	297.1	311.3	326.1	343.4	362.6	382.0	405.6
30°	253.0	258.5	265.4	274.1	283.9	299.5	314.5	331.5	350.9	371.0	395.3
32.5°	243.2	248.7	254.8	263.0	273.5	287.3	302.9	319.5	339.3	360.1	383.7
35°	229.4	233.2	238.8	246.9	257.3	268.4	284.3	301.8	321.1	342.6	366.3
37.5°	213.5	218.4	223.9	231.1	240.1	252.2	267.0	284.7	302.6	323.1	344.7
40°	204.3	208.9	215.1	220.2	229.8	240.7	254.3	272.8	290.7	310.0	329.7
42.5°	194.9	199.3	204.6	211.0	219.6	230.2	242.8	260.0	279.2	297.4	313.9
45°	180.2	184.9	189.8	195.8	203.7	214.0	226.6	242.3	259.0	275.8	288.3
47.5°	166.2	170.5	175.2	181.3	188.6	198.6	209.8	223.8	240.0	254.2	263.1
50°	156.2	160.1	165.3	171.3	178.5	187.8	198.5	212.2	225.8	238.8	246.9
52.5°	146.3	150.8	155.9	161.1	168.0	177.3	187.3	199.1	212.0	222.5	229.2
55°	131.5	135.7	140.4	145.9	152.6	160.6	171.1	180.5	190.6	199.6	203.5
57.5°	117.2	120.9	125.4	131.0	137.1	144.5	152.8	161.8	168.9	175.3	179.8
60°	107.8	111.0	115.2	119.9	126.6	133.3	140.9	149.2	154.8	160.1	164.4
62.5°	98.2	101.3	105.3	109.6	115.4	121.7	128.9	135.7	141.1	144.7	149.6
65°	83.9	87.0	90.3	94.9	99.4	104.6	111.2	116.1	119.9	124.0	126.9
67.5°	70.6	73.1	76.3	79.9	83.8	88.8	93.8	98.0	100.6	103.0	106.5
70°	61.9	63.9	66.5	69.2	73.4	78.4	82.4	85.6	87.3	89.7	94.1
72.5°	53.0	55.3	57.7	60.4	63.9	68.0	71.5	74.7	75.9	77.7	80.6
75°	41.8	43.0	44.9	46.9	49.3	53.0	56.3	57.1	58.1	59.7	61.6
77.5°	31.6	32.6	33.5	34.8	36.7	39.5	41.3	42.5	42.8	43.4	45.3
80°	25.1	25.7	26.4	27.5	28.2	30.7	31.6	32.8	33.2	33.8	34.8
82.5°	18.4	18.9	19.5	20.3	21.5	22.6	23.5	24.7	24.8	25.2	25.4
85°	10.8	10.9	10.5	10.9	11.1	11.5	12.6	13.5	13.3	13.2	13.7
87.5°	5.2	5.1	4.8	5.2	4.7	4.7	4.6	4.6	4.8	5.0	5.2
90°	6.6	6.2	5.6	5.0	4.4	3.8	3.2	2.5	1.8	1.1	0.4
92.5°	6.6	6.2	5.7	5.2	4.6	4.0	4.0	4.6	5.0	5.5	6.0
95°	6.6	6.2	9.6	12.8	16.1	19.4	21.2	21.4	21.7	22.0	22.2
97.5°	16.7	19.2	25.7	32.2	38.7	45.2	48.2	47.8	47.3	46.8	46.3
100°	54.8	67.8	67.4	67.1	66.7	66.4	66.1	65.9	65.6	65.3	65.0
102.5°	84.0	86.4	86.3	86.0	85.8	85.7	85.4	85.1	84.7	84.4	84.0
105°	116.1	116.1	116.1	116.1	116.1	116.1	115.9	115.5	115.2	114.9	114.5
107.5°	147.0	146.9	146.7	146.5	146.4	146.2	146.1	146.1	146.1	146.1	146.1
110°	167.2	167.5	167.3	167.1	166.9	166.8	166.7	166.7	166.7	166.7	166.7



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	187.1	187.4	187.4	187.3	187.1	187.0	186.8	186.7	186.4	186.2	186.1
115°	217.0	217.3	217.2	217.1	217.1	217.0	216.7	216.3	215.9	215.4	215.0
117.5°	246.0	246.4	246.1	245.7	245.4	245.1	245.0	245.0	245.0	245.0	245.0
120°	264.3	264.5	264.2	264.0	263.7	263.5	263.4	263.5	263.6	263.6	263.7
122.5°	282.1	282.2	282.1	282.0	281.9	281.7	281.5	281.2	280.9	280.5	280.3
125°	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.5	306.9	306.3	305.7
127.5°	331.7	331.8	331.9	332.0	332.0	332.1	331.9	331.5	331.1	330.6	330.1
130°	347.2	347.4	347.3	347.2	347.2	347.1	346.8	346.4	345.9	345.5	345.1
132.5°	361.4	361.4	361.6	361.9	362.1	362.2	362.1	361.5	361.1	360.6	360.1
135°	382.7	382.9	383.1	383.2	383.4	383.6	383.4	382.9	382.4	381.9	381.3
137.5°	402.3	402.2	402.3	402.5	402.7	402.9	402.7	402.3	401.7	401.3	400.9
140°	414.2	414.1	414.1	414.2	414.3	414.4	414.3	414.1	414.0	413.8	413.6
142.5°	426.2	426.2	426.1	425.9	425.9	425.7	425.6	425.5	425.4	425.3	425.2
145°	443.0	442.9	442.9	442.9	442.9	442.9	442.8	442.6	442.5	442.3	442.1
147.5°	457.3	457.2	457.1	457.0	456.9	456.8	456.8	456.8	456.8	456.8	456.9
150°	466.4	466.2	466.1	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2
152.5°	474.5	474.3	474.2	474.0	473.8	473.6	473.7	474.2	474.5	474.9	475.3
155°	485.6	485.3	485.2	485.0	484.8	484.7	484.8	485.3	485.9	486.4	486.9
157.5°	494.8	494.6	494.5	494.5	494.5	494.5	494.6	494.9	495.2	495.5	495.8
160°	500.5	500.2	500.1	500.0	499.9	499.8	500.0	500.5	501.0	501.5	502.0
162.5°	505.6	505.1	505.1	505.0	504.9	504.8	505.0	505.5	506.0	506.5	507.0
165°	512.3	511.8	511.7	511.6	511.5	511.4	511.7	512.2	512.7	513.2	513.8
167.5°	517.4	516.7	516.6	516.5	516.4	516.3	516.6	517.1	517.7	518.2	518.8
170°	519.9	519.2	519.1	519.0	518.9	518.8	519.1	519.7	520.3	521.0	521.6
172.5°	522.0	521.4	521.2	521.1	520.9	520.8	521.0	521.6	522.2	522.8	523.4
175°	524.2	523.5	523.4	523.3	523.2	523.1	523.4	523.9	524.4	525.0	525.5
177.5°	525.3	524.9	524.8	524.7	524.6	524.5	524.7	525.1	525.6	526.0	526.4
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	487.0	488.4	490.5	492.9	494.8	496.9	498.0	498.0	498.9	501.0	503.8
5°	488.4	493.6	498.5	504.9	509.9	515.7	520.0	524.3	528.0	532.8	537.8
7.5°	488.0	496.6	505.6	515.6	526.7	535.5	544.5	551.6	558.5	567.7	574.9
10°	486.5	497.6	509.7	522.5	536.4	548.5	559.5	569.4	578.9	588.9	597.9
12.5°	483.5	497.7	512.6	527.9	545.4	559.3	573.4	584.0	595.2	606.1	617.1
15°	479.2	495.9	513.8	535.2	556.6	572.1	586.1	599.9	610.2	622.5	633.1
17.5°	470.4	491.9	514.4	537.7	558.4	576.4	591.0	604.1	615.1	628.6	643.0
20°	465.1	488.4	511.9	536.7	556.5	575.0	589.1	602.6	616.3	634.0	651.5
22.5°	457.8	482.7	507.6	531.2	552.0	569.9	584.4	601.0	619.1	639.1	660.3
25°	446.3	471.9	496.5	519.0	539.3	557.7	577.6	599.9	621.7	648.2	678.6
27.5°	431.5	456.3	478.3	502.0	522.2	545.5	570.3	594.5	626.0	662.5	700.4
30°	420.6	444.0	464.9	487.4	510.3	536.0	563.8	592.3	629.9	672.6	717.8
32.5°	407.9	429.1	449.8	471.5	497.9	526.1	555.7	590.5	635.4	684.1	730.8
35°	385.7	404.8	425.0	449.0	477.1	507.7	545.5	587.9	642.2	694.5	736.5
37.5°	362.6	377.7	397.9	423.3	453.8	489.2	532.2	583.7	639.4	686.4	704.2
40°	344.7	358.9	380.2	406.8	437.1	475.9	524.0	577.0	633.1	665.6	664.3
42.5°	327.1	341.4	361.9	388.7	420.3	463.6	513.2	568.2	615.5	627.9	602.1
45°	300.0	313.3	333.5	360.5	394.3	439.9	492.0	544.8	575.0	554.8	503.5
47.5°	272.4	285.3	304.0	330.5	367.4	415.1	464.4	507.6	511.9	468.7	407.2
50°	254.3	266.4	284.1	312.4	348.2	394.7	442.3	476.3	465.7	413.0	349.6
52.5°	236.6	248.2	264.8	291.5	328.1	373.7	416.1	442.9	418.4	362.4	305.3
55°	210.5	221.6	238.3	262.8	296.0	337.8	375.1	384.8	349.0	292.5	246.3
57.5°	185.7	193.9	210.3	232.0	264.1	300.9	327.5	325.8	286.3	235.4	202.2
60°	169.3	176.7	192.3	212.2	242.7	275.8	294.5	286.5	246.5	204.5	172.7
62.5°	154.0	160.9	174.1	192.3	218.5	247.3	260.9	249.9	212.2	175.2	149.9
65°	130.9	135.9	146.5	163.3	183.8	203.7	215.9	199.8	166.3	138.4	119.3
67.5°	109.3	113.6	123.0	135.1	149.2	163.0	167.9	152.8	126.8	108.1	94.5
70°	95.3	99.3	105.6	117.0	126.3	136.0	138.4	124.9	103.2	88.9	80.6
72.5°	82.0	85.6	91.2	99.2	105.6	111.2	112.4	99.8	83.2	73.4	66.9
75°	62.5	65.7	69.2	72.2	76.4	77.4	77.0	67.2	58.3	51.7	48.1
77.5°	45.9	47.3	49.4	50.6	50.8	50.7	48.7	42.5	37.9	35.2	33.8
80°	35.4	36.4	37.0	37.4	37.6	35.6	33.4	29.6	28.1	26.4	24.7
82.5°	25.7	26.3	26.9	27.0	26.0	24.3	22.3	20.4	19.3	18.5	17.8
85°	13.9	14.1	13.9	12.9	11.5	10.9	10.5	10.2	10.0	9.7	9.7
87.5°	5.2	4.8	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.7
90°	1.1	1.8	2.5	3.2	3.8	4.4	5.0	5.6	6.2	6.6	7.1
92.5°	5.5	5.0	4.6	4.0	4.0	4.6	5.2	5.7	6.2	6.6	7.1
95°	22.0	21.7	21.4	21.2	19.4	16.1	12.8	9.6	6.2	6.6	7.1
97.5°	46.8	47.3	47.8	48.2	45.2	38.7	32.2	25.7	19.2	16.7	14.3
100°	65.3	65.6	65.9	66.1	66.4	66.7	67.1	67.4	67.8	54.8	42.0
102.5°	84.4	84.7	85.1	85.4	85.7	85.8	86.0	86.3	86.4	84.0	81.6
105°	114.9	115.2	115.5	115.9	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	146.1	146.1	146.1	146.1	146.2	146.4	146.5	146.7	146.9	147.0	147.0
110°	166.7	166.7	166.7	166.7	166.8	166.9	167.1	167.3	167.5	167.2	166.9



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	186.2	186.4	186.7	186.8	187.0	187.1	187.3	187.4	187.4	187.1	186.8
115°	215.4	215.9	216.3	216.7	217.0	217.1	217.1	217.2	217.3	217.0	216.6
117.5°	245.0	245.0	245.0	245.0	245.1	245.4	245.7	246.1	246.4	246.0	245.5
120°	263.6	263.6	263.5	263.4	263.5	263.7	264.0	264.2	264.5	264.3	264.2
122.5°	280.5	280.9	281.2	281.5	281.7	281.9	282.0	282.1	282.2	282.1	281.9
125°	306.3	306.9	307.5	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.8
127.5°	330.6	331.1	331.5	331.9	332.1	332.0	332.0	331.9	331.8	331.7	331.5
130°	345.5	345.9	346.4	346.8	347.1	347.2	347.2	347.3	347.4	347.2	346.9
132.5°	360.6	361.1	361.5	362.1	362.2	362.1	361.9	361.6	361.4	361.4	361.4
135°	381.9	382.4	382.9	383.4	383.6	383.4	383.2	383.1	382.9	382.7	382.5
137.5°	401.3	401.7	402.3	402.7	402.9	402.7	402.5	402.3	402.2	402.3	402.3
140°	413.8	414.0	414.1	414.3	414.4	414.3	414.2	414.1	414.1	414.2	414.4
142.5°	425.3	425.4	425.5	425.6	425.7	425.9	425.9	426.1	426.2	426.2	426.3
145°	442.3	442.5	442.6	442.8	442.9	442.9	442.9	442.9	442.9	443.0	443.1
147.5°	456.8	456.8	456.8	456.8	456.8	456.9	457.0	457.1	457.2	457.3	457.4
150°	466.1	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2	466.4	466.6
152.5°	474.9	474.5	474.2	473.7	473.6	473.8	474.0	474.2	474.3	474.5	474.7
155°	486.4	485.9	485.3	484.8	484.7	484.8	485.0	485.2	485.3	485.6	485.9
157.5°	495.5	495.2	494.9	494.6	494.5	494.5	494.5	494.5	494.6	494.8	495.1
160°	501.5	501.0	500.5	500.0	499.8	499.9	500.0	500.1	500.2	500.5	500.8
162.5°	506.5	506.0	505.5	505.0	504.8	504.9	505.0	505.1	505.1	505.6	506.1
165°	513.2	512.7	512.2	511.7	511.4	511.5	511.6	511.7	511.8	512.3	512.9
167.5°	518.2	517.7	517.1	516.6	516.3	516.4	516.5	516.6	516.7	517.4	518.0
170°	521.0	520.3	519.7	519.1	518.8	518.9	519.0	519.1	519.2	519.9	520.6
172.5°	522.8	522.2	521.6	521.0	520.8	520.9	521.1	521.2	521.4	522.0	522.6
175°	525.0	524.4	523.9	523.4	523.1	523.2	523.3	523.4	523.5	524.2	524.9
177.5°	526.0	525.6	525.1	524.7	524.5	524.6	524.7	524.8	524.9	525.3	525.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	505.8	505.8	508.5	508.3	510.1	509.5	509.8
5°	543.7	547.1	550.1	552.1	555.1	555.9	555.4
7.5°	583.1	590.6	594.2	599.3	600.1	602.8	602.5
10°	607.3	614.8	620.4	624.7	626.9	629.6	629.9
12.5°	626.5	632.7	637.7	641.7	644.4	645.2	645.8
15°	641.4	648.3	654.1	659.9	663.3	665.9	667.3
17.5°	656.4	667.2	677.3	685.2	689.9	693.9	693.9
20°	668.0	680.4	693.1	702.1	711.3	715.2	715.8
22.5°	680.4	699.3	715.7	729.6	741.7	745.8	747.3
25°	706.3	730.9	756.2	775.7	789.6	797.8	799.0
27.5°	737.4	770.8	797.4	815.4	826.9	833.0	834.3
30°	759.4	790.2	814.1	827.6	833.0	833.8	830.8
32.5°	769.2	792.3	801.8	801.1	790.5	783.5	780.8
35°	757.2	752.4	729.2	701.3	680.0	666.5	662.9
37.5°	689.1	647.9	605.1	563.0	540.6	529.2	509.6
40°	621.9	563.2	518.7	483.3	458.0	437.6	432.9
42.5°	546.1	485.5	441.0	410.7	390.5	376.6	370.5
45°	438.9	386.8	349.9	326.7	311.2	301.0	296.4
47.5°	351.0	310.6	283.9	266.7	254.8	246.0	243.5
50°	302.8	270.5	247.9	233.3	224.4	217.7	214.9
52.5°	263.0	236.9	219.6	207.6	199.1	194.9	192.6
55°	217.1	194.6	182.0	172.5	167.7	164.4	162.7
57.5°	177.5	161.3	152.1	145.5	141.1	139.0	138.2
60°	155.4	142.7	134.3	129.2	126.1	123.4	122.5
62.5°	135.8	125.8	119.3	114.8	111.8	110.6	110.1
65°	109.4	102.9	98.1	95.3	92.9	92.5	92.3
67.5°	87.0	83.1	80.6	77.7	76.9	75.5	75.2
70°	74.4	71.8	68.8	67.8	66.8	65.4	65.7
72.5°	63.1	60.5	58.5	57.2	56.8	56.2	56.7
75°	46.1	45.4	44.6	43.6	43.1	43.1	43.0
77.5°	33.0	32.3	31.4	30.8	30.7	29.9	30.1
80°	23.8	22.9	22.5	22.6	22.0	21.9	21.9
82.5°	17.7	17.3	16.9	17.0	16.8	16.6	16.8
85°	9.7	9.6	9.6	9.4	9.4	9.1	9.1
87.5°	5.0	5.3	5.0	4.9	4.9	5.2	5.3
90°	7.5	7.9	8.4	8.6	8.9	9.1	9.4
92.5°	7.5	7.9	8.3	8.4	8.5	8.6	8.7
95°	7.5	7.9	8.2	8.2	8.2	8.2	8.2
97.5°	11.9	9.4	8.2	8.2	8.2	8.2	8.2
100°	29.1	16.2	9.6	9.2	8.9	8.5	8.2
102.5°	79.1	76.7	72.6	66.6	60.8	54.8	49.0
105°	116.1	116.1	116.1	116.0	115.9	115.8	115.7
107.5°	147.0	147.0	146.9	146.6	146.4	146.1	145.9
110°	166.7	166.4	166.3	166.4	166.5	166.6	166.7



TEST NUMBER: P333640-935

CATALOG NUMBER: S125RDIW-S375D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	186.4	186.1	185.9	185.8	185.6	185.5	185.4
115°	216.3	215.9	215.5	215.0	214.5	214.0	213.4
117.5°	245.0	244.6	244.3	244.0	243.8	243.6	243.4
120°	264.0	263.8	263.5	263.0	262.6	262.2	261.7
122.5°	281.7	281.5	281.2	280.7	280.2	279.7	279.2
125°	307.5	307.1	306.8	306.5	306.3	306.0	305.7
127.5°	331.3	331.1	330.7	330.0	329.4	328.7	328.1
130°	346.6	346.4	346.0	345.6	345.2	344.7	344.3
132.5°	361.3	361.3	361.0	360.6	360.2	359.7	359.3
135°	382.4	382.2	381.9	381.3	380.8	380.3	379.8
137.5°	402.3	402.3	402.2	401.7	401.2	400.8	400.4
140°	414.6	414.7	414.6	414.1	413.5	413.0	412.5
142.5°	426.3	426.4	426.1	425.6	425.1	424.6	424.0
145°	443.2	443.2	443.0	442.5	442.0	441.4	440.9
147.5°	457.5	457.6	457.4	456.8	456.2	455.5	454.9
150°	466.7	466.9	466.7	466.0	465.3	464.6	463.9
152.5°	474.8	475.0	474.8	474.2	473.6	472.9	472.3
155°	486.1	486.4	486.1	485.4	484.7	484.1	483.4
157.5°	495.3	495.6	495.4	494.7	494.0	493.4	492.7
160°	501.2	501.5	501.4	500.7	500.0	499.3	498.6
162.5°	506.6	507.0	507.0	506.2	505.4	504.6	503.9
165°	513.4	513.9	513.8	513.2	512.4	511.7	511.0
167.5°	518.6	519.2	519.2	518.3	517.5	516.8	516.0
170°	521.3	522.0	521.9	521.2	520.4	519.6	518.8
172.5°	523.2	523.9	523.8	523.1	522.3	521.5	520.7
175°	525.6	526.2	526.2	525.5	524.7	523.9	523.1
177.5°	526.2	526.8	526.8	526.2	525.6	525.0	524.5
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5

(END OF REPORT)