

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: P333640-930

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333640-930  
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-S375D470U930-4F0-1E-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: 2717.9 lumens  
Efficiency: N/A  
Efficacy: 118.2 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

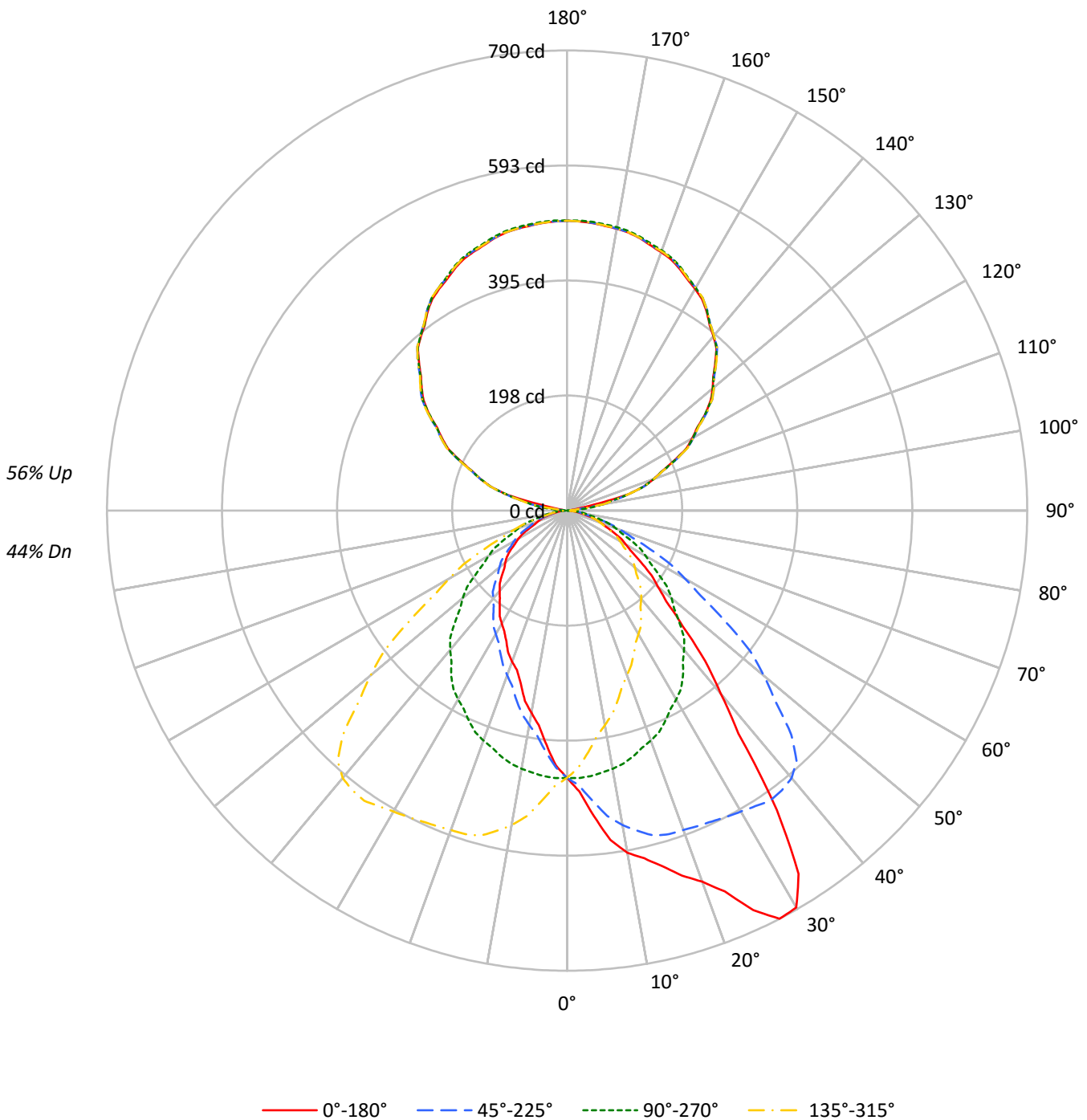
Input Watts (W): 23  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	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	1.6
10°-20°	129.0	4.7
20°-30°	204.5	7.5
30°-40°	246.6	9.1
40°-50°	220.2	8.1
50°-60°	168.9	6.2
60°-70°	109.7	4.0
70°-80°	53.3	2.0
80°-90°	13.8	0.5
90°-100°	18.1	0.7
100°-110°	111.4	4.1
110°-120°	202.1	7.4
120°-130°	259.4	9.5
130°-140°	279.0	10.3
140°-150°	261.9	9.6
150°-160°	211.8	7.8
160°-170°	137.0	5.0
170°-180°	47.3	1.7
0°-30°	377.5	13.9
0°-40°	624.0	23.0
0°-60°	1013.1	37.3
0°-90°	1190.0	43.8
90°-120°	331.6	12.2
90°-150°	1131.8	41.6
90°-180°	1528.0	56.2
0°-180°	2717.9	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	4
95°	8	21	8	21	8	6
105°	110	108	110	108	110	99
115°	202	204	202	204	202	201
125°	290	290	290	290	290	258
135°	360	361	360	361	360	278
145°	418	419	418	419	418	261
155°	458	461	458	461	458	211
165°	484	486	484	486	484	137
175°	495	498	495	498	495	47
180°	498	498	498	498	498	



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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	4.6	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	7.5	7.1	6.7	6.3	5.9	5.3
92.5°	8.2	8.2	8.1	7.9	7.8	7.5	7.1	6.7	6.3	5.9	5.4
95°	7.7	7.7	7.7	7.7	7.7	7.5	7.1	6.7	6.3	5.9	9.0
97.5°	7.7	7.7	7.7	7.7	7.7	8.9	11.3	13.5	15.8	18.2	24.3
100°	7.7	8.1	8.4	8.7	9.0	15.3	27.6	39.8	51.9	64.2	63.8
102.5°	46.4	51.9	57.6	63.1	68.7	72.6	74.9	77.3	79.6	81.9	81.7
105°	109.6	109.7	109.7	109.8	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.1	138.4	138.6	138.8	139.1	139.2	139.2	139.2	139.2	139.1	138.9
110°	157.8	157.8	157.7	157.6	157.5	157.6	157.8	158.1	158.3	158.6	158.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	175.5	175.7	175.8	175.9	176.0	176.3	176.5	176.8	177.2	177.5	177.4
115°	202.1	202.6	203.1	203.6	204.1	204.5	204.8	205.1	205.5	205.8	205.7
117.5°	230.5	230.6	230.9	231.1	231.3	231.6	232.0	232.4	232.9	233.3	233.0
120°	247.9	248.3	248.7	249.1	249.5	249.8	250.0	250.1	250.3	250.5	250.2
122.5°	264.4	264.9	265.3	265.8	266.3	266.6	266.8	266.9	267.1	267.3	267.2
125°	289.5	289.8	290.0	290.2	290.5	290.8	291.1	291.5	291.8	292.1	292.1
127.5°	310.7	311.3	311.9	312.5	313.2	313.6	313.7	313.9	314.1	314.2	314.3
130°	326.0	326.4	326.9	327.3	327.7	328.0	328.2	328.5	328.7	329.0	328.9
132.5°	340.2	340.6	341.0	341.4	341.9	342.1	342.1	342.2	342.3	342.3	342.4
135°	359.6	360.1	360.6	361.1	361.6	361.9	362.1	362.2	362.4	362.6	362.7
137.5°	379.1	379.5	379.9	380.3	380.8	381.0	381.0	380.9	380.9	380.8	381.0
140°	390.6	391.1	391.6	392.1	392.6	392.7	392.6	392.4	392.2	392.1	392.2
142.5°	401.5	402.0	402.5	403.0	403.5	403.7	403.7	403.7	403.6	403.6	403.5
145°	417.5	418.0	418.5	419.0	419.5	419.7	419.6	419.6	419.5	419.4	419.4
147.5°	430.7	431.3	431.9	432.5	433.1	433.3	433.3	433.2	433.0	432.9	432.8
150°	439.3	439.9	440.6	441.2	441.9	442.1	442.0	441.8	441.6	441.5	441.3
152.5°	447.3	447.8	448.4	449.0	449.6	449.8	449.6	449.5	449.3	449.1	449.0
155°	457.7	458.4	459.0	459.7	460.3	460.6	460.3	460.1	459.8	459.6	459.4
157.5°	466.5	467.2	467.8	468.5	469.1	469.3	469.0	468.8	468.6	468.3	468.2
160°	472.1	472.8	473.4	474.1	474.7	474.9	474.6	474.3	473.9	473.6	473.5
162.5°	477.1	477.8	478.6	479.3	480.0	480.1	479.7	479.2	478.7	478.3	478.3
165°	483.9	484.5	485.2	485.9	486.6	486.7	486.2	485.7	485.1	484.6	484.5
167.5°	488.6	489.3	490.1	490.8	491.6	491.6	491.1	490.5	489.9	489.3	489.2
170°	491.3	492.0	492.8	493.5	494.2	494.3	493.7	492.9	492.3	491.6	491.5
172.5°	493.1	493.8	494.6	495.3	496.0	496.1	495.5	494.9	494.3	493.7	493.6
175°	495.4	496.1	496.8	497.6	498.3	498.3	497.7	497.0	496.4	495.7	495.6
177.5°	496.7	497.2	497.7	498.2	498.8	498.8	498.3	497.9	497.4	497.0	496.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



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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°	4.9	4.4	3.8	3.8	4.3	4.7	5.2	5.7	5.2	4.7	4.3
95°	12.1	15.2	18.3	20.1	20.3	20.5	20.8	21.0	20.8	20.5	20.3
97.5°	30.5	36.6	42.8	45.7	45.2	44.8	44.4	43.9	44.4	44.8	45.2
100°	63.5	63.2	62.9	62.6	62.4	62.1	61.9	61.6	61.9	62.1	62.4
102.5°	81.4	81.3	81.1	80.9	80.6	80.2	79.9	79.6	79.9	80.2	80.6
105°	109.9	109.9	109.9	109.7	109.4	109.1	108.8	108.4	108.8	109.1	109.4
107.5°	138.8	138.6	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4
110°	158.2	158.1	157.9	157.8	157.8	157.8	157.8	157.8	157.8	157.8	157.8





TEST NUMBER: P333640-930

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	177.3	177.2	177.1	176.9	176.8	176.5	176.3	176.2	176.3	176.5	176.8
115°	205.6	205.5	205.5	205.2	204.8	204.4	204.0	203.6	204.0	204.4	204.8
117.5°	232.7	232.4	232.1	232.0	232.0	232.0	232.0	232.0	232.0	232.0	232.0
120°	250.0	249.7	249.5	249.4	249.5	249.6	249.6	249.7	249.6	249.6	249.5
122.5°	267.0	266.9	266.8	266.6	266.3	266.0	265.6	265.4	265.6	266.0	266.3
125°	292.1	292.1	292.1	291.8	291.2	290.7	290.1	289.5	290.1	290.7	291.2
127.5°	314.4	314.4	314.5	314.3	313.9	313.5	313.1	312.6	313.1	313.5	313.9
130°	328.8	328.7	328.6	328.4	328.0	327.6	327.2	326.8	327.2	327.6	328.0
132.5°	342.7	342.8	343.0	342.8	342.3	341.9	341.4	341.0	341.4	341.9	342.3
135°	362.9	363.1	363.2	363.1	362.6	362.1	361.6	361.1	361.6	362.1	362.6
137.5°	381.2	381.3	381.5	381.3	380.9	380.4	380.0	379.6	380.0	380.4	380.9
140°	392.2	392.3	392.4	392.3	392.2	392.0	391.8	391.7	391.8	392.0	392.2
142.5°	403.3	403.2	403.1	403.0	402.9	402.8	402.8	402.6	402.8	402.8	402.9
145°	419.4	419.4	419.4	419.3	419.1	419.0	418.8	418.7	418.8	419.0	419.1
147.5°	432.8	432.7	432.5	432.5	432.5	432.6	432.6	432.7	432.6	432.6	432.5
150°	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5	441.3	441.2	441.0
152.5°	448.8	448.7	448.5	448.6	449.0	449.3	449.7	450.0	449.7	449.3	449.0
155°	459.3	459.1	458.9	459.1	459.6	460.1	460.6	461.1	460.6	460.1	459.6
157.5°	468.2	468.2	468.2	468.3	468.6	469.0	469.2	469.5	469.2	469.0	468.6
160°	473.4	473.4	473.3	473.4	473.9	474.4	474.9	475.4	474.9	474.4	473.9
162.5°	478.2	478.1	478.0	478.2	478.7	479.2	479.6	480.1	479.6	479.2	478.7
165°	484.5	484.4	484.3	484.5	485.0	485.5	486.0	486.5	486.0	485.5	485.0
167.5°	489.1	489.0	488.9	489.2	489.7	490.2	490.7	491.2	490.7	490.2	489.7
170°	491.5	491.4	491.3	491.5	492.1	492.7	493.3	493.9	493.3	492.7	492.1
172.5°	493.4	493.3	493.2	493.3	493.9	494.5	495.0	495.6	495.0	494.5	493.9
175°	495.5	495.5	495.4	495.6	496.1	496.6	497.1	497.6	497.1	496.6	496.1
177.5°	496.8	496.8	496.7	496.8	497.3	497.7	498.1	498.5	498.1	497.7	497.3
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333640-930

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

**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	5.9	6.3	6.7	7.1	7.5	7.9
92.5°	3.8	3.8	4.4	4.9	5.4	5.9	6.3	6.7	7.1	7.5	7.8
95°	20.1	18.3	15.2	12.1	9.0	5.9	6.3	6.7	7.1	7.5	7.7
97.5°	45.7	42.8	36.6	30.5	24.3	18.2	15.8	13.5	11.3	8.9	7.7
100°	62.6	62.9	63.2	63.5	63.8	64.2	51.9	39.8	27.6	15.3	9.0
102.5°	80.9	81.1	81.3	81.4	81.7	81.9	79.6	77.3	74.9	72.6	68.7
105°	109.7	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.4	138.4	138.6	138.8	138.9	139.1	139.2	139.2	139.2	139.2	139.1
110°	157.8	157.9	158.1	158.2	158.4	158.6	158.3	158.1	157.8	157.6	157.5



TEST NUMBER: P333640-930

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

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	176.9	177.1	177.2	177.3	177.4	177.5	177.2	176.8	176.5	176.3	176.0
115°	205.2	205.5	205.5	205.6	205.7	205.8	205.5	205.1	204.8	204.5	204.1
117.5°	232.0	232.1	232.4	232.7	233.0	233.3	232.9	232.4	232.0	231.6	231.3
120°	249.4	249.5	249.7	250.0	250.2	250.5	250.3	250.1	250.0	249.8	249.5
122.5°	266.6	266.8	266.9	267.0	267.2	267.3	267.1	266.9	266.8	266.6	266.3
125°	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.5	291.1	290.8	290.5
127.5°	314.3	314.5	314.4	314.4	314.3	314.2	314.1	313.9	313.7	313.6	313.2
130°	328.4	328.6	328.7	328.8	328.9	329.0	328.7	328.5	328.2	328.0	327.7
132.5°	342.8	343.0	342.8	342.7	342.4	342.3	342.3	342.2	342.1	342.1	341.9
135°	363.1	363.2	363.1	362.9	362.7	362.6	362.4	362.2	362.1	361.9	361.6
137.5°	381.3	381.5	381.3	381.2	381.0	380.8	380.9	380.9	381.0	381.0	380.8
140°	392.3	392.4	392.3	392.2	392.2	392.1	392.2	392.4	392.6	392.7	392.6
142.5°	403.0	403.1	403.2	403.3	403.5	403.6	403.6	403.7	403.7	403.7	403.5
145°	419.3	419.4	419.4	419.4	419.4	419.4	419.5	419.6	419.6	419.7	419.5
147.5°	432.5	432.5	432.7	432.8	432.8	432.9	433.0	433.2	433.3	433.3	433.1
150°	440.8	440.8	441.0	441.2	441.3	441.5	441.6	441.8	442.0	442.1	441.9
152.5°	448.6	448.5	448.7	448.8	449.0	449.1	449.3	449.5	449.6	449.8	449.6
155°	459.1	458.9	459.1	459.3	459.4	459.6	459.8	460.1	460.3	460.6	460.3
157.5°	468.3	468.2	468.2	468.2	468.2	468.3	468.6	468.8	469.0	469.3	469.1
160°	473.4	473.3	473.4	473.4	473.5	473.6	473.9	474.3	474.6	474.9	474.7
162.5°	478.2	478.0	478.1	478.2	478.3	478.3	478.7	479.2	479.7	480.1	480.0
165°	484.5	484.3	484.4	484.5	484.5	484.6	485.1	485.7	486.2	486.7	486.6
167.5°	489.2	488.9	489.0	489.1	489.2	489.3	489.9	490.5	491.1	491.6	491.6
170°	491.5	491.3	491.4	491.5	491.5	491.6	492.3	492.9	493.7	494.3	494.2
172.5°	493.3	493.2	493.3	493.4	493.6	493.7	494.3	494.9	495.5	496.1	496.0
175°	495.6	495.4	495.5	495.5	495.6	495.7	496.4	497.0	497.7	498.3	498.3
177.5°	496.8	496.7	496.8	496.8	496.9	497.0	497.4	497.9	498.3	498.8	498.8
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333640-930

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

**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	7.5	7.1	6.7
92.5°	7.9	8.1	8.2	8.2	8.2	8.1	7.9	7.8	7.5	7.1	6.7
95°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.5	7.1	6.7
97.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	8.9	11.3	13.5
100°	8.7	8.4	8.1	7.7	8.1	8.4	8.7	9.0	15.3	27.6	39.8
102.5°	63.1	57.6	51.9	46.4	51.9	57.6	63.1	68.7	72.6	74.9	77.3
105°	109.8	109.7	109.7	109.6	109.7	109.7	109.8	109.9	109.9	109.9	109.9
107.5°	138.8	138.6	138.4	138.1	138.4	138.6	138.8	139.1	139.2	139.2	139.2
110°	157.6	157.7	157.8	157.8	157.8	157.7	157.6	157.5	157.6	157.8	158.1



TEST NUMBER: P333640-930

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	175.9	175.8	175.7	175.5	175.7	175.8	175.9	176.0	176.3	176.5	176.8
115°	203.6	203.1	202.6	202.1	202.6	203.1	203.6	204.1	204.5	204.8	205.1
117.5°	231.1	230.9	230.6	230.5	230.6	230.9	231.1	231.3	231.6	232.0	232.4
120°	249.1	248.7	248.3	247.9	248.3	248.7	249.1	249.5	249.8	250.0	250.1
122.5°	265.8	265.3	264.9	264.4	264.9	265.3	265.8	266.3	266.6	266.8	266.9
125°	290.2	290.0	289.8	289.5	289.8	290.0	290.2	290.5	290.8	291.1	291.5
127.5°	312.5	311.9	311.3	310.7	311.3	311.9	312.5	313.2	313.6	313.7	313.9
130°	327.3	326.9	326.4	326.0	326.4	326.9	327.3	327.7	328.0	328.2	328.5
132.5°	341.4	341.0	340.6	340.2	340.6	341.0	341.4	341.9	342.1	342.1	342.2
135°	361.1	360.6	360.1	359.6	360.1	360.6	361.1	361.6	361.9	362.1	362.2
137.5°	380.3	379.9	379.5	379.1	379.5	379.9	380.3	380.8	381.0	381.0	380.9
140°	392.1	391.6	391.1	390.6	391.1	391.6	392.1	392.6	392.7	392.6	392.4
142.5°	403.0	402.5	402.0	401.5	402.0	402.5	403.0	403.5	403.7	403.7	403.7
145°	419.0	418.5	418.0	417.5	418.0	418.5	419.0	419.5	419.7	419.6	419.6
147.5°	432.5	431.9	431.3	430.7	431.3	431.9	432.5	433.1	433.3	433.3	433.2
150°	441.2	440.6	439.9	439.3	439.9	440.6	441.2	441.9	442.1	442.0	441.8
152.5°	449.0	448.4	447.8	447.3	447.8	448.4	449.0	449.6	449.8	449.6	449.5
155°	459.7	459.0	458.4	457.7	458.4	459.0	459.7	460.3	460.6	460.3	460.1
157.5°	468.5	467.8	467.2	466.5	467.2	467.8	468.5	469.1	469.3	469.0	468.8
160°	474.1	473.4	472.8	472.1	472.8	473.4	474.1	474.7	474.9	474.6	474.3
162.5°	479.3	478.6	477.8	477.1	477.8	478.6	479.3	480.0	480.1	479.7	479.2
165°	485.9	485.2	484.5	483.9	484.5	485.2	485.9	486.6	486.7	486.2	485.7
167.5°	490.8	490.1	489.3	488.6	489.3	490.1	490.8	491.6	491.6	491.1	490.5
170°	493.5	492.8	492.0	491.3	492.0	492.8	493.5	494.2	494.3	493.7	492.9
172.5°	495.3	494.6	493.8	493.1	493.8	494.6	495.3	496.0	496.1	495.5	494.9
175°	497.6	496.8	496.1	495.4	496.1	496.8	497.6	498.3	498.3	497.7	497.0
177.5°	498.2	497.7	497.2	496.7	497.2	497.7	498.2	498.8	498.8	498.3	497.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333640-930

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

**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°	6.3	5.9	5.3	4.7	4.2	3.6	3.0	2.4	1.7	1.1	0.4
92.5°	6.3	5.9	5.4	4.9	4.4	3.8	3.8	4.3	4.7	5.2	5.7
95°	6.3	5.9	9.0	12.1	15.2	18.3	20.1	20.3	20.5	20.8	21.0
97.5°	15.8	18.2	24.3	30.5	36.6	42.8	45.7	45.2	44.8	44.4	43.9
100°	51.9	64.2	63.8	63.5	63.2	62.9	62.6	62.4	62.1	61.9	61.6
102.5°	79.6	81.9	81.7	81.4	81.3	81.1	80.9	80.6	80.2	79.9	79.6
105°	109.9	109.9	109.9	109.9	109.9	109.9	109.7	109.4	109.1	108.8	108.4
107.5°	139.2	139.1	138.9	138.8	138.6	138.4	138.4	138.4	138.4	138.4	138.4
110°	158.3	158.6	158.4	158.2	158.1	157.9	157.8	157.8	157.8	157.8	157.8



TEST NUMBER: P333640-930

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	177.2	177.5	177.4	177.3	177.2	177.1	176.9	176.8	176.5	176.3	176.2
115°	205.5	205.8	205.7	205.6	205.5	205.5	205.2	204.8	204.4	204.0	203.6
117.5°	232.9	233.3	233.0	232.7	232.4	232.1	232.0	232.0	232.0	232.0	232.0
120°	250.3	250.5	250.2	250.0	249.7	249.5	249.4	249.5	249.6	249.6	249.7
122.5°	267.1	267.3	267.2	267.0	266.9	266.8	266.6	266.3	266.0	265.6	265.4
125°	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.2	290.7	290.1	289.5
127.5°	314.1	314.2	314.3	314.4	314.4	314.5	314.3	313.9	313.5	313.1	312.6
130°	328.7	329.0	328.9	328.8	328.7	328.6	328.4	328.0	327.6	327.2	326.8
132.5°	342.3	342.3	342.4	342.7	342.8	343.0	342.8	342.3	341.9	341.4	341.0
135°	362.4	362.6	362.7	362.9	363.1	363.2	363.1	362.6	362.1	361.6	361.1
137.5°	380.9	380.8	381.0	381.2	381.3	381.5	381.3	380.9	380.4	380.0	379.6
140°	392.2	392.1	392.2	392.2	392.3	392.4	392.3	392.2	392.0	391.8	391.7
142.5°	403.6	403.6	403.5	403.3	403.2	403.1	403.0	402.9	402.8	402.8	402.6
145°	419.5	419.4	419.4	419.4	419.4	419.4	419.3	419.1	419.0	418.8	418.7
147.5°	433.0	432.9	432.8	432.8	432.7	432.5	432.5	432.5	432.6	432.6	432.7
150°	441.6	441.5	441.3	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5
152.5°	449.3	449.1	449.0	448.8	448.7	448.5	448.6	449.0	449.3	449.7	450.0
155°	459.8	459.6	459.4	459.3	459.1	458.9	459.1	459.6	460.1	460.6	461.1
157.5°	468.6	468.3	468.2	468.2	468.2	468.2	468.3	468.6	469.0	469.2	469.5
160°	473.9	473.6	473.5	473.4	473.4	473.3	473.4	473.9	474.4	474.9	475.4
162.5°	478.7	478.3	478.3	478.2	478.1	478.0	478.2	478.7	479.2	479.6	480.1
165°	485.1	484.6	484.5	484.5	484.4	484.3	484.5	485.0	485.5	486.0	486.5
167.5°	489.9	489.3	489.2	489.1	489.0	488.9	489.2	489.7	490.2	490.7	491.2
170°	492.3	491.6	491.5	491.5	491.4	491.3	491.5	492.1	492.7	493.3	493.9
172.5°	494.3	493.7	493.6	493.4	493.3	493.2	493.3	493.9	494.5	495.0	495.6
175°	496.4	495.7	495.6	495.5	495.5	495.4	495.6	496.1	496.6	497.1	497.6
177.5°	497.4	497.0	496.9	496.8	496.8	496.7	496.8	497.3	497.7	498.1	498.5
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333640-930

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

**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	5.9	6.3	6.7
92.5°	5.2	4.7	4.3	3.8	3.8	4.4	4.9	5.4	5.9	6.3	6.7
95°	20.8	20.5	20.3	20.1	18.3	15.2	12.1	9.0	5.9	6.3	6.7
97.5°	44.4	44.8	45.2	45.7	42.8	36.6	30.5	24.3	18.2	15.8	13.5
100°	61.9	62.1	62.4	62.6	62.9	63.2	63.5	63.8	64.2	51.9	39.8
102.5°	79.9	80.2	80.6	80.9	81.1	81.3	81.4	81.7	81.9	79.6	77.3
105°	108.8	109.1	109.4	109.7	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.4	138.4	138.4	138.4	138.4	138.6	138.8	138.9	139.1	139.2	139.2
110°	157.8	157.8	157.8	157.8	157.9	158.1	158.2	158.4	158.6	158.3	158.1





TEST NUMBER: P333640-930

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

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	176.3	176.5	176.8	176.9	177.1	177.2	177.3	177.4	177.5	177.2	176.8
115°	204.0	204.4	204.8	205.2	205.5	205.5	205.6	205.7	205.8	205.5	205.1
117.5°	232.0	232.0	232.0	232.0	232.1	232.4	232.7	233.0	233.3	232.9	232.4
120°	249.6	249.6	249.5	249.4	249.5	249.7	250.0	250.2	250.5	250.3	250.1
122.5°	265.6	266.0	266.3	266.6	266.8	266.9	267.0	267.2	267.3	267.1	266.9
125°	290.1	290.7	291.2	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.5
127.5°	313.1	313.5	313.9	314.3	314.5	314.4	314.4	314.3	314.2	314.1	313.9
130°	327.2	327.6	328.0	328.4	328.6	328.7	328.8	328.9	329.0	328.7	328.5
132.5°	341.4	341.9	342.3	342.8	343.0	342.8	342.7	342.4	342.3	342.3	342.2
135°	361.6	362.1	362.6	363.1	363.2	363.1	362.9	362.7	362.6	362.4	362.2
137.5°	380.0	380.4	380.9	381.3	381.5	381.3	381.2	381.0	380.8	380.9	380.9
140°	391.8	392.0	392.2	392.3	392.4	392.3	392.2	392.2	392.1	392.2	392.4
142.5°	402.8	402.8	402.9	403.0	403.1	403.2	403.3	403.5	403.6	403.6	403.7
145°	418.8	419.0	419.1	419.3	419.4	419.4	419.4	419.4	419.4	419.5	419.6
147.5°	432.6	432.6	432.5	432.5	432.5	432.7	432.8	432.8	432.9	433.0	433.2
150°	441.3	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5	441.6	441.8
152.5°	449.7	449.3	449.0	448.6	448.5	448.7	448.8	449.0	449.1	449.3	449.5
155°	460.6	460.1	459.6	459.1	458.9	459.1	459.3	459.4	459.6	459.8	460.1
157.5°	469.2	469.0	468.6	468.3	468.2	468.2	468.2	468.2	468.3	468.6	468.8
160°	474.9	474.4	473.9	473.4	473.3	473.4	473.4	473.5	473.6	473.9	474.3
162.5°	479.6	479.2	478.7	478.2	478.0	478.1	478.2	478.3	478.3	478.7	479.2
165°	486.0	485.5	485.0	484.5	484.3	484.4	484.5	484.5	484.6	485.1	485.7
167.5°	490.7	490.2	489.7	489.2	488.9	489.0	489.1	489.2	489.3	489.9	490.5
170°	493.3	492.7	492.1	491.5	491.3	491.4	491.5	491.5	491.6	492.3	492.9
172.5°	495.0	494.5	493.9	493.3	493.2	493.3	493.4	493.6	493.7	494.3	494.9
175°	497.1	496.6	496.1	495.6	495.4	495.5	495.5	495.6	495.7	496.4	497.0
177.5°	498.1	497.7	497.3	496.8	496.7	496.8	496.8	496.9	497.0	497.4	497.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



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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	4.6	4.9	5.1
90°	7.1	7.5	7.9	8.2	8.4	8.6	8.9
92.5°	7.1	7.5	7.8	7.9	8.1	8.2	8.2
95°	7.1	7.5	7.7	7.7	7.7	7.7	7.7
97.5°	11.3	8.9	7.7	7.7	7.7	7.7	7.7
100°	27.6	15.3	9.0	8.7	8.4	8.1	7.7
102.5°	74.9	72.6	68.7	63.1	57.6	51.9	46.4
105°	109.9	109.9	109.9	109.8	109.7	109.7	109.6
107.5°	139.2	139.2	139.1	138.8	138.6	138.4	138.1
110°	157.8	157.6	157.5	157.6	157.7	157.8	157.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	176.5	176.3	176.0	175.9	175.8	175.7	175.5
115°	204.8	204.5	204.1	203.6	203.1	202.6	202.1
117.5°	232.0	231.6	231.3	231.1	230.9	230.6	230.5
120°	250.0	249.8	249.5	249.1	248.7	248.3	247.9
122.5°	266.8	266.6	266.3	265.8	265.3	264.9	264.4
125°	291.1	290.8	290.5	290.2	290.0	289.8	289.5
127.5°	313.7	313.6	313.2	312.5	311.9	311.3	310.7
130°	328.2	328.0	327.7	327.3	326.9	326.4	326.0
132.5°	342.1	342.1	341.9	341.4	341.0	340.6	340.2
135°	362.1	361.9	361.6	361.1	360.6	360.1	359.6
137.5°	381.0	381.0	380.8	380.3	379.9	379.5	379.1
140°	392.6	392.7	392.6	392.1	391.6	391.1	390.6
142.5°	403.7	403.7	403.5	403.0	402.5	402.0	401.5
145°	419.6	419.7	419.5	419.0	418.5	418.0	417.5
147.5°	433.3	433.3	433.1	432.5	431.9	431.3	430.7
150°	442.0	442.1	441.9	441.2	440.6	439.9	439.3
152.5°	449.6	449.8	449.6	449.0	448.4	447.8	447.3
155°	460.3	460.6	460.3	459.7	459.0	458.4	457.7
157.5°	469.0	469.3	469.1	468.5	467.8	467.2	466.5
160°	474.6	474.9	474.7	474.1	473.4	472.8	472.1
162.5°	479.7	480.1	480.0	479.3	478.6	477.8	477.1
165°	486.2	486.7	486.6	485.9	485.2	484.5	483.9
167.5°	491.1	491.6	491.6	490.8	490.1	489.3	488.6
170°	493.7	494.3	494.2	493.5	492.8	492.0	491.3
172.5°	495.5	496.1	496.0	495.3	494.6	493.8	493.1
175°	497.7	498.3	498.3	497.6	496.8	496.1	495.4
177.5°	498.3	498.8	498.8	498.2	497.7	497.2	496.7
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6

(END OF REPORT)