

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: P333640-940

Luminaire Tested: **S125RDIW-S375D470U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333640-940  
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-S375D470U940-4F0-1E-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: 2972.6 lumens  
Efficiency: N/A  
Efficacy: 129.2 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

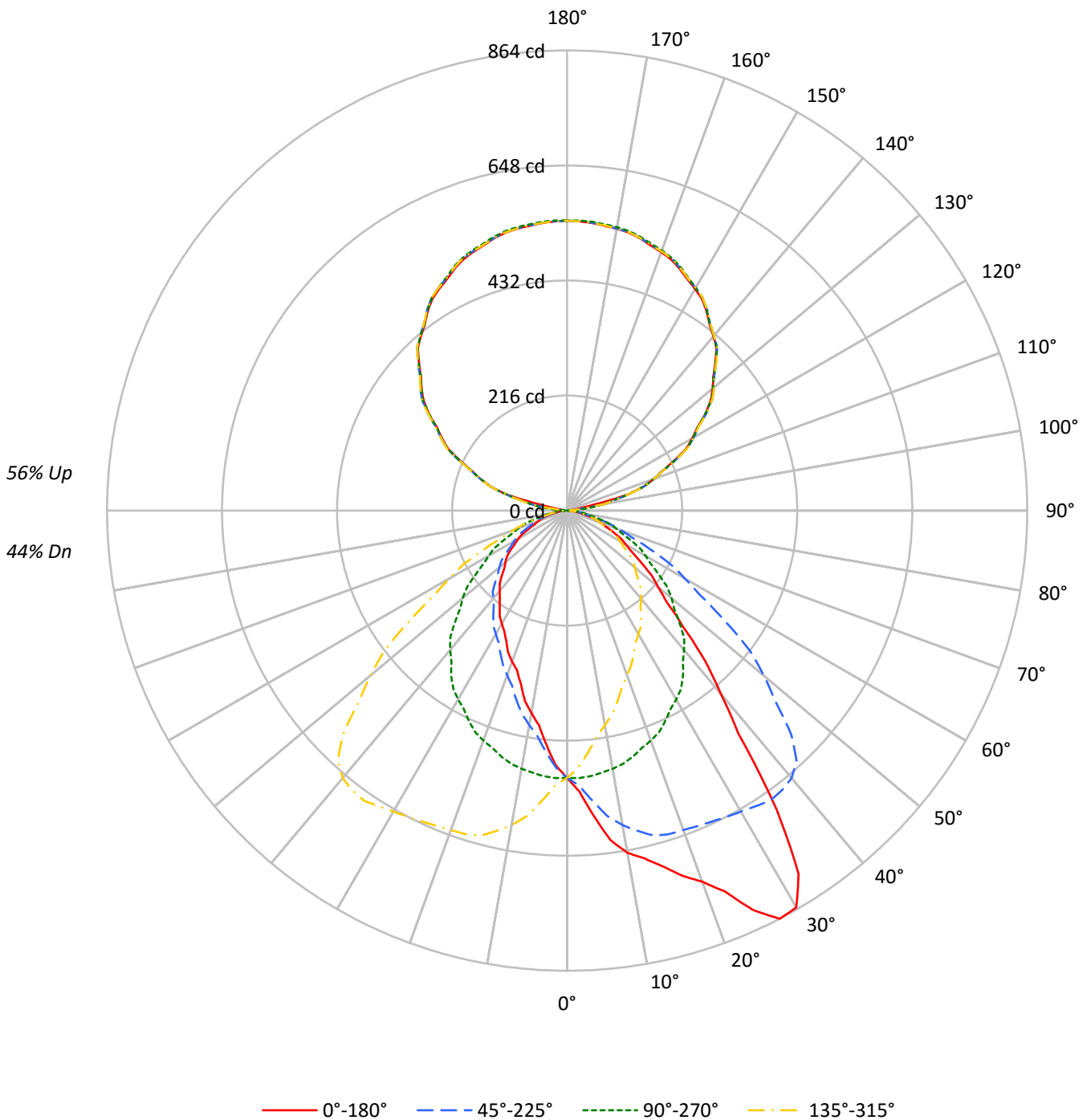
Input Watts (W): 23  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3241	3241	3241	3241
5°	3729	3246	2867	3246
10°	4278	3229	2530	3229
15°	4621	3196	2249	3196
20°	5096	3158	2076	3158
25°	5897	3107	1927	3107
30°	6416	3053	1829	3053
35°	5412	2990	1738	2990
40°	3780	2878	1661	2878
45°	2804	2726	1585	2726
50°	2237	2569	1519	2569
55°	1897	2374	1462	2374
60°	1639	2198	1368	2198
65°	1461	2008	1177	2008
70°	1284	1841	1074	1841
75°	1110	1592	1008	1592
80°	841	1339	841	1339
85°	704	1052	793	1052



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.1	1.6
10°-20°	141.1	4.7
20°-30°	223.6	7.5
30°-40°	269.7	9.1
40°-50°	240.9	8.1
50°-60°	184.7	6.2
60°-70°	120.0	4.0
70°-80°	58.3	2.0
80°-90°	15.1	0.5
90°-100°	19.8	0.7
100°-110°	121.9	4.1
110°-120°	221.0	7.4
120°-130°	283.7	9.5
130°-140°	305.1	10.3
140°-150°	286.4	9.6
150°-160°	231.7	7.8
160°-170°	149.8	5.0
170°-180°	51.7	1.7
0°-30°	412.8	13.9
0°-40°	682.5	23.0
0°-60°	1108.1	37.3
0°-90°	1301.5	43.8
90°-120°	362.7	12.2
90°-150°	1237.9	41.6
90°-180°	1671.0	56.2
0°-180°	2972.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	502	502	502	502	502	
5°	575	501	442	501	575	57
15°	691	478	336	478	691	198
25°	828	436	270	436	828	380
35°	686	379	220	379	686	415
45°	307	298	174	298	307	245
55°	168	211	130	211	168	153
65°	96	131	77	131	96	95
75°	44	64	40	64	44	47
85°	10	14	11	14	10	11
90°	10	0	10	0	10	5
95°	8	23	8	23	8	7
105°	120	119	120	119	120	108
115°	221	223	221	223	221	219
125°	317	317	317	317	317	282
135°	393	395	393	395	393	304
145°	457	458	457	458	457	285
155°	501	504	501	504	501	231
165°	529	532	529	532	529	149
175°	542	544	542	544	542	52
180°	544	544	544	544	544	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	528.0	527.6	528.3	526.5	526.6	523.9	523.9	521.7	518.9	516.7	515.8
5°	575.2	575.7	574.9	571.8	569.7	566.6	563.1	557.0	551.8	546.8	543.0
7.5°	624.0	624.3	621.5	620.6	615.4	611.6	603.9	595.4	588.0	578.5	571.2
10°	652.4	652.1	649.3	646.9	642.5	636.7	629.0	619.2	609.9	599.6	589.7
12.5°	668.8	668.2	667.4	664.6	660.4	655.3	648.8	639.1	627.7	616.4	604.8
15°	691.1	689.6	687.0	683.4	677.4	671.5	664.3	655.7	644.7	632.0	621.3
17.5°	718.6	718.6	714.5	709.6	701.5	691.0	679.8	665.9	651.0	637.0	625.6
20°	741.4	740.7	736.6	727.1	717.8	704.6	691.9	674.8	656.7	638.3	624.1
22.5°	774.0	772.4	768.1	755.6	741.3	724.2	704.7	683.9	661.9	641.1	622.4
25°	827.5	826.3	817.8	803.3	783.2	757.0	731.5	702.8	671.3	643.9	621.3
27.5°	864.1	862.7	856.4	844.5	825.8	798.3	763.8	725.4	686.1	648.4	615.7
30°	860.4	863.5	862.7	857.1	843.1	818.4	786.5	743.4	696.6	652.4	613.4
32.5°	808.7	811.5	818.7	829.6	830.5	820.6	796.7	756.9	708.5	658.1	611.5
35°	686.5	690.3	704.3	726.3	755.2	779.3	784.2	762.8	719.3	665.1	608.9
37.5°	527.8	548.0	559.9	583.1	626.7	671.0	713.6	729.3	710.9	662.2	604.5
40°	448.4	453.3	474.3	500.5	537.2	583.3	644.1	688.0	689.4	655.7	597.5
42.5°	383.7	390.0	404.4	425.3	456.7	502.8	565.6	623.6	650.3	637.5	588.4
45°	307.0	311.7	322.3	338.3	362.4	400.6	454.5	521.5	574.6	595.5	564.2
47.5°	252.2	254.8	263.9	276.2	294.0	321.7	363.6	421.7	485.4	530.1	525.8
50°	222.6	225.4	232.4	241.7	256.7	280.2	313.6	362.0	427.8	482.3	493.3
52.5°	199.5	201.9	206.3	215.0	227.4	245.4	272.4	316.2	375.3	433.4	458.7
55°	168.5	170.2	173.7	178.6	188.5	201.5	224.8	255.1	302.9	361.4	398.5
57.5°	143.1	143.9	146.2	150.7	157.6	167.0	183.9	209.5	243.8	296.5	337.4
60°	126.9	127.8	130.6	133.8	139.1	147.8	161.0	178.9	211.8	255.3	296.7
62.5°	114.0	114.6	115.8	118.9	123.6	130.3	140.6	155.2	181.5	219.7	258.8
65°	95.6	95.8	96.2	98.7	101.6	106.6	113.3	123.6	143.4	172.3	206.9
67.5°	77.8	78.2	79.6	80.5	83.5	86.1	90.1	97.9	111.9	131.3	158.3
70°	68.0	67.8	69.2	70.3	71.2	74.4	77.0	83.5	92.1	106.9	129.4
72.5°	58.8	58.2	58.9	59.2	60.5	62.7	65.4	69.3	76.0	86.1	103.3
75°	44.5	44.7	44.7	45.1	46.2	47.0	47.8	49.8	53.6	60.4	69.6
77.5°	31.2	30.9	31.7	31.9	32.5	33.4	34.2	35.0	36.5	39.2	44.1
80°	22.6	22.6	22.8	23.5	23.3	23.7	24.7	25.6	27.4	29.1	30.7
82.5°	17.4	17.2	17.4	17.6	17.5	17.9	18.3	18.5	19.2	20.0	21.1
85°	9.5	9.5	9.7	9.7	9.9	9.9	10.1	10.1	10.1	10.3	10.5
87.5°	5.5	5.4	5.1	5.1	5.2	5.4	5.2	4.9	4.8	4.7	4.8
90°	9.7	9.5	9.2	8.9	8.6	8.2	7.8	7.3	6.9	6.4	5.8
92.5°	9.0	8.9	8.8	8.6	8.6	8.2	7.8	7.3	6.9	6.4	5.9
95°	8.5	8.5	8.5	8.5	8.5	8.2	7.8	7.3	6.9	6.4	9.9
97.5°	8.5	8.5	8.5	8.5	8.5	9.7	12.3	14.8	17.3	19.9	26.6
100°	8.5	8.8	9.2	9.5	9.9	16.8	30.1	43.5	56.8	70.2	69.8
102.5°	50.7	56.8	63.0	69.0	75.2	79.5	81.9	84.5	87.0	89.5	89.3
105°	119.8	119.9	120.0	120.1	120.2	120.2	120.2	120.2	120.2	120.2	120.2
107.5°	151.1	151.3	151.6	151.9	152.1	152.2	152.2	152.2	152.2	152.1	151.9
110°	172.6	172.5	172.5	172.4	172.3	172.4	172.6	172.9	173.2	173.4	173.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	192.0	192.2	192.3	192.4	192.5	192.8	193.1	193.4	193.8	194.1	194.0
115°	221.1	221.6	222.1	222.7	223.2	223.6	224.0	224.4	224.7	225.1	225.0
117.5°	252.1	252.3	252.5	252.7	253.0	253.3	253.8	254.2	254.8	255.2	254.9
120°	271.1	271.5	272.0	272.4	272.9	273.2	273.4	273.6	273.8	273.9	273.7
122.5°	289.2	289.7	290.2	290.7	291.2	291.6	291.8	291.9	292.1	292.3	292.2
125°	316.6	316.9	317.2	317.4	317.7	318.1	318.4	318.8	319.1	319.5	319.5
127.5°	339.8	340.5	341.2	341.8	342.5	343.0	343.1	343.3	343.5	343.7	343.8
130°	356.6	357.0	357.5	357.9	358.4	358.7	359.0	359.3	359.5	359.8	359.7
132.5°	372.1	372.6	373.0	373.4	373.9	374.2	374.2	374.3	374.3	374.3	374.5
135°	393.3	393.9	394.4	394.9	395.5	395.8	396.0	396.2	396.4	396.5	396.7
137.5°	414.6	415.1	415.5	416.0	416.5	416.7	416.7	416.6	416.6	416.5	416.7
140°	427.2	427.8	428.3	428.8	429.4	429.5	429.4	429.2	429.0	428.8	428.9
142.5°	439.2	439.7	440.2	440.8	441.3	441.6	441.5	441.5	441.4	441.4	441.3
145°	456.6	457.2	457.7	458.3	458.8	459.1	459.0	458.9	458.8	458.7	458.7
147.5°	471.1	471.7	472.4	473.1	473.7	473.9	473.9	473.8	473.6	473.5	473.4
150°	480.5	481.2	481.9	482.6	483.3	483.6	483.4	483.2	483.0	482.9	482.7
152.5°	489.2	489.8	490.4	491.1	491.8	492.0	491.8	491.6	491.4	491.2	491.1
155°	500.6	501.3	502.0	502.7	503.5	503.7	503.5	503.2	502.9	502.7	502.5
157.5°	510.2	511.0	511.7	512.4	513.1	513.3	513.0	512.7	512.5	512.2	512.1
160°	516.4	517.1	517.8	518.5	519.2	519.4	519.1	518.7	518.4	518.0	517.9
162.5°	521.8	522.6	523.4	524.2	525.0	525.1	524.7	524.1	523.6	523.2	523.1
165°	529.2	529.9	530.7	531.5	532.2	532.3	531.7	531.2	530.6	530.0	529.9
167.5°	534.4	535.2	536.0	536.8	537.7	537.7	537.1	536.5	535.8	535.1	535.0
170°	537.3	538.1	539.0	539.8	540.6	540.6	539.9	539.1	538.4	537.7	537.6
172.5°	539.3	540.1	540.9	541.7	542.5	542.6	541.9	541.3	540.6	540.0	539.8
175°	541.8	542.6	543.4	544.2	545.0	545.0	544.3	543.6	542.9	542.2	542.1
177.5°	543.2	543.8	544.4	544.9	545.5	545.5	545.0	544.6	544.0	543.6	543.5
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	515.8	514.6	512.5	510.5	508.0	505.9	504.4	502.6	500.2	497.5	495.2
5°	538.6	534.0	528.1	522.9	516.3	511.2	505.9	500.7	495.5	488.9	483.1
7.5°	563.9	554.6	545.5	534.0	523.6	514.3	505.4	496.4	487.6	478.2	469.2
10°	579.4	568.0	555.5	541.1	527.9	515.3	503.8	492.4	480.5	470.0	458.7
12.5°	593.9	579.3	564.9	546.7	530.8	515.5	500.8	486.7	473.9	460.3	448.1
15°	607.0	592.5	576.5	554.3	532.2	513.6	496.3	478.0	462.2	446.9	433.3
17.5°	612.1	596.9	578.3	556.9	532.8	509.4	487.1	467.1	448.4	430.6	415.4
20°	610.1	595.5	576.3	555.9	530.1	505.9	481.7	459.5	438.6	419.9	403.7
22.5°	605.3	590.2	571.7	550.1	525.7	499.9	474.1	450.4	428.6	409.2	391.5
25°	598.2	577.6	558.6	537.5	514.2	488.7	462.2	436.0	412.7	392.9	373.5
27.5°	590.7	565.0	540.8	520.0	495.3	472.6	446.9	420.1	395.7	375.5	355.6
30°	583.9	555.1	528.5	504.8	481.5	459.9	435.6	409.4	384.2	363.5	343.3
32.5°	575.5	544.8	515.7	488.3	465.8	444.4	422.4	397.3	372.9	351.4	330.9
35°	565.0	525.8	494.1	465.0	440.1	419.3	399.5	379.3	354.8	332.5	312.5
37.5°	551.2	506.7	470.0	438.4	412.1	391.2	375.5	357.0	334.7	313.4	294.9
40°	542.7	492.8	452.7	421.3	393.8	371.7	357.0	341.4	321.0	301.0	282.5
42.5°	531.5	480.2	435.2	402.6	374.8	353.6	338.8	325.1	308.0	289.2	269.3
45°	509.5	455.6	408.4	373.4	345.4	324.5	310.7	298.5	285.6	268.2	250.9
47.5°	481.0	429.9	380.5	342.2	314.9	295.5	282.1	272.5	263.2	248.5	231.8
50°	458.1	408.8	360.6	323.5	294.3	275.9	263.3	255.7	247.3	233.9	219.8
52.5°	431.0	387.0	339.8	301.9	274.3	257.1	245.0	237.4	230.4	219.5	206.2
55°	388.4	349.8	306.6	272.2	246.8	229.5	218.0	210.8	206.7	197.4	186.9
57.5°	339.2	311.7	273.5	240.3	217.8	200.8	192.3	186.2	181.6	175.0	167.6
60°	305.0	285.6	251.4	219.8	199.2	183.0	175.3	170.2	165.9	160.3	154.5
62.5°	270.2	256.1	226.3	199.2	180.3	166.7	159.5	154.9	149.9	146.2	140.5
65°	223.6	211.0	190.4	169.2	151.7	140.7	135.5	131.4	128.4	124.2	120.3
67.5°	173.9	168.8	154.5	139.9	127.3	117.6	113.2	110.3	106.6	104.2	101.5
70°	143.4	140.9	130.8	121.2	109.4	102.8	98.7	97.5	92.9	90.4	88.6
72.5°	116.4	115.2	109.4	102.7	94.4	88.6	84.9	83.5	80.5	78.6	77.4
75°	79.7	80.2	79.1	74.8	71.7	68.0	64.7	63.8	61.8	60.2	59.1
77.5°	50.5	52.5	52.6	52.4	51.2	49.0	47.5	46.9	44.9	44.3	44.1
80°	34.6	36.9	39.0	38.7	38.3	37.7	36.6	36.0	35.0	34.4	34.0
82.5°	23.1	25.1	26.9	28.0	27.9	27.3	26.7	26.3	26.1	25.7	25.6
85°	10.9	11.3	11.9	13.4	14.4	14.6	14.4	14.2	13.6	13.8	14.0
87.5°	4.8	4.7	4.7	4.6	4.3	5.0	5.4	5.4	5.2	5.0	4.8
90°	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4	1.2	1.9	2.6
92.5°	5.4	4.8	4.2	4.2	4.7	5.2	5.7	6.2	5.7	5.2	4.7
95°	13.3	16.7	20.1	21.9	22.2	22.5	22.7	23.0	22.7	22.5	22.2
97.5°	33.3	40.0	46.8	49.9	49.5	49.0	48.5	48.0	48.5	49.0	49.5
100°	69.5	69.1	68.8	68.5	68.2	67.9	67.7	67.3	67.7	67.9	68.2
102.5°	89.1	88.9	88.7	88.5	88.1	87.7	87.4	87.0	87.4	87.7	88.1
105°	120.2	120.2	120.2	120.0	119.7	119.3	119.0	118.6	119.0	119.3	119.7
107.5°	151.8	151.6	151.4	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3
110°	173.1	172.9	172.7	172.6	172.6	172.6	172.6	172.6	172.6	172.6	172.6





TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	193.9	193.8	193.7	193.5	193.3	193.1	192.9	192.7	192.9	193.1	193.3
115°	224.9	224.8	224.7	224.4	224.0	223.6	223.1	222.7	223.1	223.6	224.0
117.5°	254.5	254.1	253.9	253.7	253.7	253.7	253.7	253.8	253.7	253.7	253.7
120°	273.4	273.1	272.9	272.8	272.9	273.0	273.0	273.1	273.0	273.0	272.9
122.5°	292.0	291.9	291.8	291.6	291.2	290.9	290.5	290.3	290.5	290.9	291.2
125°	319.5	319.5	319.5	319.1	318.5	317.9	317.3	316.6	317.3	317.9	318.5
127.5°	343.8	343.8	343.9	343.8	343.3	342.9	342.4	341.9	342.4	342.9	343.3
130°	359.6	359.5	359.4	359.2	358.7	358.3	357.8	357.4	357.8	358.3	358.7
132.5°	374.8	375.0	375.1	375.0	374.4	374.0	373.4	372.9	373.4	374.0	374.4
135°	396.9	397.1	397.3	397.1	396.5	396.0	395.5	394.9	395.5	396.0	396.5
137.5°	416.9	417.1	417.2	417.1	416.6	416.1	415.6	415.2	415.6	416.1	416.6
140°	429.0	429.1	429.2	429.1	428.9	428.7	428.6	428.4	428.6	428.7	428.9
142.5°	441.1	441.0	440.9	440.8	440.7	440.6	440.5	440.3	440.5	440.6	440.7
145°	458.7	458.7	458.7	458.6	458.4	458.3	458.1	457.9	458.1	458.3	458.4
147.5°	473.3	473.2	473.1	473.1	473.1	473.1	473.1	473.2	473.1	473.1	473.1
150°	482.5	482.3	482.1	482.1	482.3	482.5	482.7	482.9	482.7	482.5	482.3
152.5°	490.9	490.7	490.5	490.6	491.1	491.4	491.9	492.2	491.9	491.4	491.1
155°	502.3	502.1	501.9	502.1	502.7	503.2	503.7	504.3	503.7	503.2	502.7
157.5°	512.1	512.1	512.1	512.2	512.6	512.9	513.2	513.5	513.2	512.9	512.6
160°	517.8	517.7	517.6	517.8	518.4	518.9	519.4	520.0	519.4	518.9	518.4
162.5°	523.0	522.9	522.8	523.0	523.5	524.1	524.6	525.1	524.6	524.1	523.5
165°	529.9	529.8	529.7	529.9	530.5	531.0	531.5	532.1	531.5	531.0	530.5
167.5°	534.9	534.8	534.8	535.0	535.6	536.2	536.7	537.3	536.7	536.2	535.6
170°	537.5	537.4	537.3	537.6	538.2	538.9	539.6	540.2	539.6	538.9	538.2
172.5°	539.7	539.5	539.4	539.6	540.2	540.8	541.4	542.1	541.4	540.8	540.2
175°	542.0	541.9	541.8	542.1	542.6	543.1	543.7	544.2	543.7	543.1	542.6
177.5°	543.4	543.3	543.2	543.4	543.9	544.3	544.7	545.2	544.7	544.3	543.9
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	493.5	491.2	489.5	486.2	483.9	483.0	481.2	480.6	482.5	481.2	481.0
5°	478.8	472.9	468.1	463.4	458.3	455.0	450.0	449.2	447.9	446.1	445.7
7.5°	461.3	453.4	447.4	439.5	432.7	427.2	421.1	418.1	416.5	414.1	410.9
10°	449.4	440.1	431.9	424.0	415.6	408.8	402.6	397.9	394.8	391.9	390.7
12.5°	437.7	428.2	417.7	408.2	398.8	391.2	384.3	381.2	377.8	374.4	371.6
15°	419.5	407.0	395.4	384.5	376.5	368.2	361.6	357.0	352.0	350.4	344.9
17.5°	400.2	387.9	374.3	362.9	353.6	344.5	337.2	332.1	328.2	322.9	320.4
20°	388.2	373.5	360.3	349.8	339.6	328.9	321.5	317.1	313.4	309.1	307.0
22.5°	375.3	361.1	347.5	335.2	324.8	314.1	308.9	304.4	300.2	296.2	293.5
25°	356.4	342.1	327.8	315.0	304.2	296.5	290.3	285.2	282.9	279.0	276.1
27.5°	337.8	322.4	307.7	295.0	286.4	278.8	273.8	269.7	265.6	262.3	259.7
30°	325.7	310.1	294.0	283.9	274.8	267.7	262.1	258.2	255.1	252.0	250.1
32.5°	313.7	297.6	283.3	272.4	263.9	257.6	251.9	248.1	244.9	241.5	239.2
35°	294.4	277.9	266.4	255.7	247.3	241.5	237.6	232.2	229.5	227.0	224.8
37.5°	276.5	261.2	248.7	239.3	231.9	226.2	221.1	218.3	215.0	212.8	210.9
40°	263.3	249.3	238.0	228.1	222.7	216.3	211.6	207.9	205.5	202.5	200.5
42.5°	251.5	238.4	227.4	218.6	211.9	206.4	201.9	198.1	195.0	193.0	191.3
45°	234.7	221.7	211.0	202.8	196.5	191.5	186.6	184.9	180.7	178.3	177.4
47.5°	217.3	205.7	195.4	187.8	181.5	176.6	172.1	168.4	166.0	163.6	162.3
50°	205.6	194.5	184.9	177.4	171.2	165.9	161.8	159.3	156.1	153.9	152.3
52.5°	193.9	183.6	174.0	166.8	161.5	156.1	151.5	149.1	146.2	144.7	143.6
55°	177.2	166.3	158.0	151.1	145.4	140.5	136.2	133.8	131.9	130.5	130.0
57.5°	158.3	149.6	142.0	135.6	129.8	125.2	121.4	119.0	117.4	117.2	115.9
60°	145.9	138.0	131.1	124.2	119.3	114.9	111.6	109.0	107.4	107.2	106.7
62.5°	133.5	126.0	119.5	113.5	109.1	105.0	101.7	98.8	97.8	96.8	95.9
65°	115.2	108.3	103.0	98.3	93.5	90.1	86.9	85.1	82.8	81.6	79.4
67.5°	97.2	91.9	86.8	82.8	79.0	75.7	73.1	70.4	68.8	67.9	66.3
70°	85.3	81.1	76.1	71.7	68.8	66.2	64.1	61.0	59.9	59.1	58.3
72.5°	74.1	70.4	66.2	62.6	59.7	57.2	54.8	53.4	52.3	51.5	51.1
75°	58.3	54.8	51.1	48.6	46.5	44.5	43.2	42.3	41.8	41.6	40.8
77.5°	42.8	40.9	38.0	36.0	34.7	33.8	32.7	32.2	32.1	31.2	30.9
80°	32.7	31.7	29.2	28.4	27.4	26.6	25.9	25.0	23.9	23.5	22.8
82.5°	24.3	23.4	22.3	21.0	20.2	19.6	19.1	18.6	18.8	18.2	17.9
85°	13.0	11.9	11.5	11.3	10.9	11.3	11.1	10.9	10.7	10.5	10.7
87.5°	4.8	4.9	4.9	5.4	5.0	5.3	5.4	5.3	5.4	5.4	5.4
90°	3.3	3.9	4.5	5.2	5.8	6.4	6.9	7.3	7.8	8.2	8.6
92.5°	4.2	4.2	4.8	5.4	5.9	6.4	6.9	7.3	7.8	8.2	8.6
95°	21.9	20.1	16.7	13.3	9.9	6.4	6.9	7.3	7.8	8.2	8.5
97.5°	49.9	46.8	40.0	33.3	26.6	19.9	17.3	14.8	12.3	9.7	8.5
100°	68.5	68.8	69.1	69.5	69.8	70.2	56.8	43.5	30.1	16.8	9.9
102.5°	88.5	88.7	88.9	89.1	89.3	89.5	87.0	84.5	81.9	79.5	75.2
105°	120.0	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2
107.5°	151.3	151.4	151.6	151.8	151.9	152.1	152.2	152.2	152.2	152.2	152.1
110°	172.6	172.7	172.9	173.1	173.3	173.4	173.2	172.9	172.6	172.4	172.3



TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	193.5	193.7	193.8	193.9	194.0	194.1	193.8	193.4	193.1	192.8	192.5
115°	224.4	224.7	224.8	224.9	225.0	225.1	224.7	224.4	224.0	223.6	223.2
117.5°	253.7	253.9	254.1	254.5	254.9	255.2	254.8	254.2	253.8	253.3	253.0
120°	272.8	272.9	273.1	273.4	273.7	273.9	273.8	273.6	273.4	273.2	272.9
122.5°	291.6	291.8	291.9	292.0	292.2	292.3	292.1	291.9	291.8	291.6	291.2
125°	319.1	319.5	319.5	319.5	319.5	319.5	319.1	318.8	318.4	318.1	317.7
127.5°	343.8	343.9	343.8	343.8	343.8	343.7	343.5	343.3	343.1	343.0	342.5
130°	359.2	359.4	359.5	359.6	359.7	359.8	359.5	359.3	359.0	358.7	358.4
132.5°	375.0	375.1	375.0	374.8	374.5	374.3	374.3	374.3	374.2	374.2	373.9
135°	397.1	397.3	397.1	396.9	396.7	396.5	396.4	396.2	396.0	395.8	395.5
137.5°	417.1	417.2	417.1	416.9	416.7	416.5	416.6	416.6	416.7	416.7	416.5
140°	429.1	429.2	429.1	429.0	428.9	428.8	429.0	429.2	429.4	429.5	429.4
142.5°	440.8	440.9	441.0	441.1	441.3	441.4	441.4	441.5	441.5	441.6	441.3
145°	458.6	458.7	458.7	458.7	458.7	458.7	458.8	458.9	459.0	459.1	458.8
147.5°	473.1	473.1	473.2	473.3	473.4	473.5	473.6	473.8	473.9	473.9	473.7
150°	482.1	482.1	482.3	482.5	482.7	482.9	483.0	483.2	483.4	483.6	483.3
152.5°	490.6	490.5	490.7	490.9	491.1	491.2	491.4	491.6	491.8	492.0	491.8
155°	502.1	501.9	502.1	502.3	502.5	502.7	502.9	503.2	503.5	503.7	503.5
157.5°	512.2	512.1	512.1	512.1	512.1	512.2	512.5	512.7	513.0	513.3	513.1
160°	517.8	517.6	517.7	517.8	517.9	518.0	518.4	518.7	519.1	519.4	519.2
162.5°	523.0	522.8	522.9	523.0	523.1	523.2	523.6	524.1	524.7	525.1	525.0
165°	529.9	529.7	529.8	529.9	529.9	530.0	530.6	531.2	531.7	532.3	532.2
167.5°	535.0	534.8	534.8	534.9	535.0	535.1	535.8	536.5	537.1	537.7	537.7
170°	537.6	537.3	537.4	537.5	537.6	537.7	538.4	539.1	539.9	540.6	540.6
172.5°	539.6	539.4	539.5	539.7	539.8	540.0	540.6	541.3	541.9	542.6	542.5
175°	542.1	541.8	541.9	542.0	542.1	542.2	542.9	543.6	544.3	545.0	545.0
177.5°	543.4	543.2	543.3	543.4	543.5	543.6	544.0	544.6	545.0	545.5	545.5
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	480.8	479.0	478.5	479.2	478.5	479.0	480.8	481.0	481.2	482.5	480.6
5°	443.6	441.6	442.6	442.2	442.6	441.6	443.6	445.7	446.1	447.9	449.2
7.5°	410.9	408.3	405.6	406.4	405.6	408.3	410.9	410.9	414.1	416.5	418.1
10°	388.0	385.9	384.7	385.8	384.7	385.9	388.0	390.7	391.9	394.8	397.9
12.5°	368.7	367.5	366.4	366.0	366.4	367.5	368.7	371.6	374.4	377.8	381.2
15°	342.4	340.0	338.9	336.3	338.9	340.0	342.4	344.9	350.4	352.0	357.0
17.5°	318.3	317.4	314.8	313.6	314.8	317.4	318.3	320.4	322.9	328.2	332.1
20°	303.9	303.1	300.4	302.0	300.4	303.1	303.9	307.0	309.1	313.4	317.1
22.5°	292.0	290.3	289.4	288.9	289.4	290.3	292.0	293.5	296.2	300.2	304.4
25°	275.3	272.6	271.5	270.4	271.5	272.6	275.3	276.1	279.0	282.9	285.2
27.5°	258.5	257.1	255.7	255.4	255.7	257.1	258.5	259.7	262.3	265.6	269.7
30°	247.6	246.2	245.2	245.2	245.2	246.2	247.6	250.1	252.0	255.1	258.2
32.5°	237.9	236.8	235.8	235.6	235.8	236.8	237.9	239.2	241.5	244.9	248.1
35°	223.7	222.1	221.7	220.4	221.7	222.1	223.7	224.8	227.0	229.5	232.2
37.5°	209.0	207.7	207.7	207.5	207.7	207.7	209.0	210.9	212.8	215.0	218.3
40°	199.7	198.6	198.4	197.0	198.4	198.6	199.7	200.5	202.5	205.5	207.9
42.5°	189.6	189.0	188.3	187.7	188.3	189.0	189.6	191.3	193.0	195.0	198.1
45°	175.9	174.5	174.5	173.5	174.5	174.5	175.9	177.4	178.3	180.7	184.9
47.5°	161.8	160.8	160.9	159.8	160.9	160.8	161.8	162.3	163.6	166.0	168.4
50°	152.5	151.9	151.7	151.2	151.7	151.9	152.5	152.3	153.9	156.1	159.3
52.5°	143.1	142.8	143.6	142.7	143.6	142.8	143.1	143.6	144.7	146.2	149.1
55°	130.5	129.8	131.1	129.8	131.1	129.8	130.5	130.0	130.5	131.9	133.8
57.5°	115.9	115.3	116.5	115.8	116.5	115.3	115.9	115.9	117.2	117.4	119.0
60°	106.3	105.0	105.7	105.9	105.7	105.0	106.3	106.7	107.2	107.4	109.0
62.5°	95.0	94.2	94.7	93.7	94.7	94.2	95.0	95.9	96.8	97.8	98.8
65°	78.9	78.3	77.5	77.0	77.5	78.3	78.9	79.4	81.6	82.8	85.1
67.5°	66.3	64.8	64.7	65.1	64.7	64.8	66.3	66.3	67.9	68.8	70.4
70°	57.1	57.1	56.9	56.9	56.9	57.1	57.1	58.3	59.1	59.9	61.0
72.5°	50.6	50.5	50.1	49.9	50.1	50.5	50.6	51.1	51.5	52.3	53.4
75°	40.8	41.0	40.6	40.4	40.6	41.0	40.8	40.8	41.6	41.8	42.3
77.5°	30.1	29.2	29.7	29.2	29.7	29.2	30.1	30.9	31.2	32.1	32.2
80°	22.8	22.6	23.3	22.6	23.3	22.6	22.8	22.8	23.5	23.9	25.0
82.5°	18.1	17.9	18.2	17.7	18.2	17.9	18.1	17.9	18.2	18.8	18.6
85°	10.9	10.7	10.5	10.7	10.5	10.7	10.9	10.7	10.5	10.7	10.9
87.5°	5.5	5.4	5.5	5.5	5.5	5.4	5.5	5.4	5.4	5.4	5.3
90°	8.9	9.2	9.5	9.7	9.5	9.2	8.9	8.6	8.2	7.8	7.3
92.5°	8.6	8.8	8.9	9.0	8.9	8.8	8.6	8.6	8.2	7.8	7.3
95°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.2	7.8	7.3
97.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.7	12.3	14.8
100°	9.5	9.2	8.8	8.5	8.8	9.2	9.5	9.9	16.8	30.1	43.5
102.5°	69.0	63.0	56.8	50.7	56.8	63.0	69.0	75.2	79.5	81.9	84.5
105°	120.1	120.0	119.9	119.8	119.9	120.0	120.1	120.2	120.2	120.2	120.2
107.5°	151.9	151.6	151.3	151.1	151.3	151.6	151.9	152.1	152.2	152.2	152.2
110°	172.4	172.5	172.5	172.6	172.5	172.5	172.4	172.3	172.4	172.6	172.9



TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	192.4	192.3	192.2	192.0	192.2	192.3	192.4	192.5	192.8	193.1	193.4
115°	222.7	222.1	221.6	221.1	221.6	222.1	222.7	223.2	223.6	224.0	224.4
117.5°	252.7	252.5	252.3	252.1	252.3	252.5	252.7	253.0	253.3	253.8	254.2
120°	272.4	272.0	271.5	271.1	271.5	272.0	272.4	272.9	273.2	273.4	273.6
122.5°	290.7	290.2	289.7	289.2	289.7	290.2	290.7	291.2	291.6	291.8	291.9
125°	317.4	317.2	316.9	316.6	316.9	317.2	317.4	317.7	318.1	318.4	318.8
127.5°	341.8	341.2	340.5	339.8	340.5	341.2	341.8	342.5	343.0	343.1	343.3
130°	357.9	357.5	357.0	356.6	357.0	357.5	357.9	358.4	358.7	359.0	359.3
132.5°	373.4	373.0	372.6	372.1	372.6	373.0	373.4	373.9	374.2	374.2	374.3
135°	394.9	394.4	393.9	393.3	393.9	394.4	394.9	395.5	395.8	396.0	396.2
137.5°	416.0	415.5	415.1	414.6	415.1	415.5	416.0	416.5	416.7	416.7	416.6
140°	428.8	428.3	427.8	427.2	427.8	428.3	428.8	429.4	429.5	429.4	429.2
142.5°	440.8	440.2	439.7	439.2	439.7	440.2	440.8	441.3	441.6	441.5	441.5
145°	458.3	457.7	457.2	456.6	457.2	457.7	458.3	458.8	459.1	459.0	458.9
147.5°	473.1	472.4	471.7	471.1	471.7	472.4	473.1	473.7	473.9	473.9	473.8
150°	482.6	481.9	481.2	480.5	481.2	481.9	482.6	483.3	483.6	483.4	483.2
152.5°	491.1	490.4	489.8	489.2	489.8	490.4	491.1	491.8	492.0	491.8	491.6
155°	502.7	502.0	501.3	500.6	501.3	502.0	502.7	503.5	503.7	503.5	503.2
157.5°	512.4	511.7	511.0	510.2	511.0	511.7	512.4	513.1	513.3	513.0	512.7
160°	518.5	517.8	517.1	516.4	517.1	517.8	518.5	519.2	519.4	519.1	518.7
162.5°	524.2	523.4	522.6	521.8	522.6	523.4	524.2	525.0	525.1	524.7	524.1
165°	531.5	530.7	529.9	529.2	529.9	530.7	531.5	532.2	532.3	531.7	531.2
167.5°	536.8	536.0	535.2	534.4	535.2	536.0	536.8	537.7	537.7	537.1	536.5
170°	539.8	539.0	538.1	537.3	538.1	539.0	539.8	540.6	540.6	539.9	539.1
172.5°	541.7	540.9	540.1	539.3	540.1	540.9	541.7	542.5	542.6	541.9	541.3
175°	544.2	543.4	542.6	541.8	542.6	543.4	544.2	545.0	545.0	544.3	543.6
177.5°	544.9	544.4	543.8	543.2	543.8	544.4	544.9	545.5	545.5	545.0	544.6
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	481.2	483.0	483.9	486.2	489.5	491.2	493.5	495.2	497.5	500.2	502.6
5°	450.0	455.0	458.3	463.4	468.1	472.9	478.8	483.1	488.9	495.5	500.7
7.5°	421.1	427.2	432.7	439.5	447.4	453.4	461.3	469.2	478.2	487.6	496.4
10°	402.6	408.8	415.6	424.0	431.9	440.1	449.4	458.7	470.0	480.5	492.4
12.5°	384.3	391.2	398.8	408.2	417.7	428.2	437.7	448.1	460.3	473.9	486.7
15°	361.6	368.2	376.5	384.5	395.4	407.0	419.5	433.3	446.9	462.2	478.0
17.5°	337.2	344.5	353.6	362.9	374.3	387.9	400.2	415.4	430.6	448.4	467.1
20°	321.5	328.9	339.6	349.8	360.3	373.5	388.2	403.7	419.9	438.6	459.5
22.5°	308.9	314.1	324.8	335.2	347.5	361.1	375.3	391.5	409.2	428.6	450.4
25°	290.3	296.5	304.2	315.0	327.8	342.1	356.4	373.5	392.9	412.7	436.0
27.5°	273.8	278.8	286.4	295.0	307.7	322.4	337.8	355.6	375.5	395.7	420.1
30°	262.1	267.7	274.8	283.9	294.0	310.1	325.7	343.3	363.5	384.2	409.4
32.5°	251.9	257.6	263.9	272.4	283.3	297.6	313.7	330.9	351.4	372.9	397.3
35°	237.6	241.5	247.3	255.7	266.4	277.9	294.4	312.5	332.5	354.8	379.3
37.5°	221.1	226.2	231.9	239.3	248.7	261.2	276.5	294.9	313.4	334.7	357.0
40°	211.6	216.3	222.7	228.1	238.0	249.3	263.3	282.5	301.0	321.0	341.4
42.5°	201.9	206.4	211.9	218.6	227.4	238.4	251.5	269.3	289.2	308.0	325.1
45°	186.6	191.5	196.5	202.8	211.0	221.7	234.7	250.9	268.2	285.6	298.5
47.5°	172.1	176.6	181.5	187.8	195.4	205.7	217.3	231.8	248.5	263.2	272.5
50°	161.8	165.9	171.2	177.4	184.9	194.5	205.6	219.8	233.9	247.3	255.7
52.5°	151.5	156.1	161.5	166.8	174.0	183.6	193.9	206.2	219.5	230.4	237.4
55°	136.2	140.5	145.4	151.1	158.0	166.3	177.2	186.9	197.4	206.7	210.8
57.5°	121.4	125.2	129.8	135.6	142.0	149.6	158.3	167.6	175.0	181.6	186.2
60°	111.6	114.9	119.3	124.2	131.1	138.0	145.9	154.5	160.3	165.9	170.2
62.5°	101.7	105.0	109.1	113.5	119.5	126.0	133.5	140.5	146.2	149.9	154.9
65°	86.9	90.1	93.5	98.3	103.0	108.3	115.2	120.3	124.2	128.4	131.4
67.5°	73.1	75.7	79.0	82.8	86.8	91.9	97.2	101.5	104.2	106.6	110.3
70°	64.1	66.2	68.8	71.7	76.1	81.1	85.3	88.6	90.4	92.9	97.5
72.5°	54.8	57.2	59.7	62.6	66.2	70.4	74.1	77.4	78.6	80.5	83.5
75°	43.2	44.5	46.5	48.6	51.1	54.8	58.3	59.1	60.2	61.8	63.8
77.5°	32.7	33.8	34.7	36.0	38.0	40.9	42.8	44.1	44.3	44.9	46.9
80°	25.9	26.6	27.4	28.4	29.2	31.7	32.7	34.0	34.4	35.0	36.0
82.5°	19.1	19.6	20.2	21.0	22.3	23.4	24.3	25.6	25.7	26.1	26.3
85°	11.1	11.3	10.9	11.3	11.5	11.9	13.0	14.0	13.8	13.6	14.2
87.5°	5.4	5.3	5.0	5.4	4.9	4.9	4.8	4.8	5.0	5.2	5.4
90°	6.9	6.4	5.8	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4
92.5°	6.9	6.4	5.9	5.4	4.8	4.2	4.2	4.7	5.2	5.7	6.2
95°	6.9	6.4	9.9	13.3	16.7	20.1	21.9	22.2	22.5	22.7	23.0
97.5°	17.3	19.9	26.6	33.3	40.0	46.8	49.9	49.5	49.0	48.5	48.0
100°	56.8	70.2	69.8	69.5	69.1	68.8	68.5	68.2	67.9	67.7	67.3
102.5°	87.0	89.5	89.3	89.1	88.9	88.7	88.5	88.1	87.7	87.4	87.0
105°	120.2	120.2	120.2	120.2	120.2	120.2	120.0	119.7	119.3	119.0	118.6
107.5°	152.2	152.1	151.9	151.8	151.6	151.4	151.3	151.3	151.3	151.3	151.3
110°	173.2	173.4	173.3	173.1	172.9	172.7	172.6	172.6	172.6	172.6	172.6



TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	193.8	194.1	194.0	193.9	193.8	193.7	193.5	193.3	193.1	192.9	192.7
115°	224.7	225.1	225.0	224.9	224.8	224.7	224.4	224.0	223.6	223.1	222.7
117.5°	254.8	255.2	254.9	254.5	254.1	253.9	253.7	253.7	253.7	253.7	253.8
120°	273.8	273.9	273.7	273.4	273.1	272.9	272.8	272.9	273.0	273.0	273.1
122.5°	292.1	292.3	292.2	292.0	291.9	291.8	291.6	291.2	290.9	290.5	290.3
125°	319.1	319.5	319.5	319.5	319.5	319.5	319.1	318.5	317.9	317.3	316.6
127.5°	343.5	343.7	343.8	343.8	343.8	343.9	343.8	343.3	342.9	342.4	341.9
130°	359.5	359.8	359.7	359.6	359.5	359.4	359.2	358.7	358.3	357.8	357.4
132.5°	374.3	374.3	374.5	374.8	375.0	375.1	375.0	374.4	374.0	373.4	372.9
135°	396.4	396.5	396.7	396.9	397.1	397.3	397.1	396.5	396.0	395.5	394.9
137.5°	416.6	416.5	416.7	416.9	417.1	417.2	417.1	416.6	416.1	415.6	415.2
140°	429.0	428.8	428.9	429.0	429.1	429.2	429.1	428.9	428.7	428.6	428.4
142.5°	441.4	441.4	441.3	441.1	441.0	440.9	440.8	440.7	440.6	440.5	440.3
145°	458.8	458.7	458.7	458.7	458.7	458.7	458.6	458.4	458.3	458.1	457.9
147.5°	473.6	473.5	473.4	473.3	473.2	473.1	473.1	473.1	473.1	473.1	473.2
150°	483.0	482.9	482.7	482.5	482.3	482.1	482.1	482.3	482.5	482.7	482.9
152.5°	491.4	491.2	491.1	490.9	490.7	490.5	490.6	491.1	491.4	491.9	492.2
155°	502.9	502.7	502.5	502.3	502.1	501.9	502.1	502.7	503.2	503.7	504.3
157.5°	512.5	512.2	512.1	512.1	512.1	512.1	512.2	512.6	512.9	513.2	513.5
160°	518.4	518.0	517.9	517.8	517.7	517.6	517.8	518.4	518.9	519.4	520.0
162.5°	523.6	523.2	523.1	523.0	522.9	522.8	523.0	523.5	524.1	524.6	525.1
165°	530.6	530.0	529.9	529.9	529.8	529.7	529.9	530.5	531.0	531.5	532.1
167.5°	535.8	535.1	535.0	534.9	534.8	534.8	535.0	535.6	536.2	536.7	537.3
170°	538.4	537.7	537.6	537.5	537.4	537.3	537.6	538.2	538.9	539.6	540.2
172.5°	540.6	540.0	539.8	539.7	539.5	539.4	539.6	540.2	540.8	541.4	542.1
175°	542.9	542.2	542.1	542.0	541.9	541.8	542.1	542.6	543.1	543.7	544.2
177.5°	544.0	543.6	543.5	543.4	543.3	543.2	543.4	543.9	544.3	544.7	545.2
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	504.4	505.9	508.0	510.5	512.5	514.6	515.8	515.8	516.7	518.9	521.7
5°	505.9	511.2	516.3	522.9	528.1	534.0	538.6	543.0	546.8	551.8	557.0
7.5°	505.4	514.3	523.6	534.0	545.5	554.6	563.9	571.2	578.5	588.0	595.4
10°	503.8	515.3	527.9	541.1	555.5	568.0	579.4	589.7	599.6	609.9	619.2
12.5°	500.8	515.5	530.8	546.7	564.9	579.3	593.9	604.8	616.4	627.7	639.1
15°	496.3	513.6	532.2	554.3	576.5	592.5	607.0	621.3	632.0	644.7	655.7
17.5°	487.1	509.4	532.8	556.9	578.3	596.9	612.1	625.6	637.0	651.0	665.9
20°	481.7	505.9	530.1	555.9	576.3	595.5	610.1	624.1	638.3	656.7	674.8
22.5°	474.1	499.9	525.7	550.1	571.7	590.2	605.3	622.4	641.1	661.9	683.9
25°	462.2	488.7	514.2	537.5	558.6	577.6	598.2	621.3	643.9	671.3	702.8
27.5°	446.9	472.6	495.3	520.0	540.8	565.0	590.7	615.7	648.4	686.1	725.4
30°	435.6	459.9	481.5	504.8	528.5	555.1	583.9	613.4	652.4	696.6	743.4
32.5°	422.4	444.4	465.8	488.3	515.7	544.8	575.5	611.5	658.1	708.5	756.9
35°	399.5	419.3	440.1	465.0	494.1	525.8	565.0	608.9	665.1	719.3	762.8
37.5°	375.5	391.2	412.1	438.4	470.0	506.7	551.2	604.5	662.2	710.9	729.3
40°	357.0	371.7	393.8	421.3	452.7	492.8	542.7	597.5	655.7	689.4	688.0
42.5°	338.8	353.6	374.8	402.6	435.2	480.2	531.5	588.4	637.5	650.3	623.6
45°	310.7	324.5	345.4	373.4	408.4	455.6	509.5	564.2	595.5	574.6	521.5
47.5°	282.1	295.5	314.9	342.2	380.5	429.9	481.0	525.8	530.1	485.4	421.7
50°	263.3	275.9	294.3	323.5	360.6	408.8	458.1	493.3	482.3	427.8	362.0
52.5°	245.0	257.1	274.3	301.9	339.8	387.0	431.0	458.7	433.4	375.3	316.2
55°	218.0	229.5	246.8	272.2	306.6	349.8	388.4	398.5	361.4	302.9	255.1
57.5°	192.3	200.8	217.8	240.3	273.5	311.7	339.2	337.4	296.5	243.8	209.5
60°	175.3	183.0	199.2	219.8	251.4	285.6	305.0	296.7	255.3	211.8	178.9
62.5°	159.5	166.7	180.3	199.2	226.3	256.1	270.2	258.8	219.7	181.5	155.2
65°	135.5	140.7	151.7	169.2	190.4	211.0	223.6	206.9	172.3	143.4	123.6
67.5°	113.2	117.6	127.3	139.9	154.5	168.8	173.9	158.3	131.3	111.9	97.9
70°	98.7	102.8	109.4	121.2	130.8	140.9	143.4	129.4	106.9	92.1	83.5
72.5°	84.9	88.6	94.4	102.7	109.4	115.2	116.4	103.3	86.1	76.0	69.3
75°	64.7	68.0	71.7	74.8	79.1	80.2	79.7	69.6	60.4	53.6	49.8
77.5°	47.5	49.0	51.2	52.4	52.6	52.5	50.5	44.1	39.2	36.5	35.0
80°	36.6	37.7	38.3	38.7	39.0	36.9	34.6	30.7	29.1	27.4	25.6
82.5°	26.7	27.3	27.9	28.0	26.9	25.1	23.1	21.1	20.0	19.2	18.5
85°	14.4	14.6	14.4	13.4	11.9	11.3	10.9	10.5	10.3	10.1	10.1
87.5°	5.4	5.0	4.3	4.6	4.7	4.7	4.8	4.8	4.7	4.8	4.9
90°	1.2	1.9	2.6	3.3	3.9	4.5	5.2	5.8	6.4	6.9	7.3
92.5°	5.7	5.2	4.7	4.2	4.2	4.8	5.4	5.9	6.4	6.9	7.3
95°	22.7	22.5	22.2	21.9	20.1	16.7	13.3	9.9	6.4	6.9	7.3
97.5°	48.5	49.0	49.5	49.9	46.8	40.0	33.3	26.6	19.9	17.3	14.8
100°	67.7	67.9	68.2	68.5	68.8	69.1	69.5	69.8	70.2	56.8	43.5
102.5°	87.4	87.7	88.1	88.5	88.7	88.9	89.1	89.3	89.5	87.0	84.5
105°	119.0	119.3	119.7	120.0	120.2	120.2	120.2	120.2	120.2	120.2	120.2
107.5°	151.3	151.3	151.3	151.3	151.4	151.6	151.8	151.9	152.1	152.2	152.2
110°	172.6	172.6	172.6	172.6	172.7	172.9	173.1	173.3	173.4	173.2	172.9





TEST NUMBER: P333640-940

CATALOG NUMBER: S125RDIW-S375D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	192.9	193.1	193.3	193.5	193.7	193.8	193.9	194.0	194.1	193.8	193.4
115°	223.1	223.6	224.0	224.4	224.7	224.8	224.9	225.0	225.1	224.7	224.4
117.5°	253.7	253.7	253.7	253.7	253.9	254.1	254.5	254.9	255.2	254.8	254.2
120°	273.0	273.0	272.9	272.8	272.9	273.1	273.4	273.7	273.9	273.8	273.6
122.5°	290.5	290.9	291.2	291.6	291.8	291.9	292.0	292.2	292.3	292.1	291.9
125°	317.3	317.9	318.5	319.1	319.5	319.5	319.5	319.5	319.5	319.1	318.8
127.5°	342.4	342.9	343.3	343.8	343.9	343.8	343.8	343.8	343.7	343.5	343.3
130°	357.8	358.3	358.7	359.2	359.4	359.5	359.6	359.7	359.8	359.5	359.3
132.5°	373.4	374.0	374.4	375.0	375.1	375.0	374.8	374.5	374.3	374.3	374.3
135°	395.5	396.0	396.5	397.1	397.3	397.1	396.9	396.7	396.5	396.4	396.2
137.5°	415.6	416.1	416.6	417.1	417.2	417.1	416.9	416.7	416.5	416.6	416.6
140°	428.6	428.7	428.9	429.1	429.2	429.1	429.0	428.9	428.8	429.0	429.2
142.5°	440.5	440.6	440.7	440.8	440.9	441.0	441.1	441.3	441.4	441.4	441.5
145°	458.1	458.3	458.4	458.6	458.7	458.7	458.7	458.7	458.7	458.8	458.9
147.5°	473.1	473.1	473.1	473.1	473.1	473.2	473.3	473.4	473.5	473.6	473.8
150°	482.7	482.5	482.3	482.1	482.1	482.3	482.5	482.7	482.9	483.0	483.2
152.5°	491.9	491.4	491.1	490.6	490.5	490.7	490.9	491.1	491.2	491.4	491.6
155°	503.7	503.2	502.7	502.1	501.9	502.1	502.3	502.5	502.7	502.9	503.2
157.5°	513.2	512.9	512.6	512.2	512.1	512.1	512.1	512.1	512.2	512.5	512.7
160°	519.4	518.9	518.4	517.8	517.6	517.7	517.8	517.9	518.0	518.4	518.7
162.5°	524.6	524.1	523.5	523.0	522.8	522.9	523.0	523.1	523.2	523.6	524.1
165°	531.5	531.0	530.5	529.9	529.7	529.8	529.9	529.9	530.0	530.6	531.2
167.5°	536.7	536.2	535.6	535.0	534.8	534.8	534.9	535.0	535.1	535.8	536.5
170°	539.6	538.9	538.2	537.6	537.3	537.4	537.5	537.6	537.7	538.4	539.1
172.5°	541.4	540.8	540.2	539.6	539.4	539.5	539.7	539.8	540.0	540.6	541.3
175°	543.7	543.1	542.6	542.1	541.8	541.9	542.0	542.1	542.2	542.9	543.6
177.5°	544.7	544.3	543.9	543.4	543.2	543.3	543.4	543.5	543.6	544.0	544.6
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	523.9	523.9	526.6	526.5	528.3	527.6	528.0
5°	563.1	566.6	569.7	571.8	574.9	575.7	575.2
7.5°	603.9	611.6	615.4	620.6	621.5	624.3	624.0
10°	629.0	636.7	642.5	646.9	649.3	652.1	652.4
12.5°	648.8	655.3	660.4	664.6	667.4	668.2	668.8
15°	664.3	671.5	677.4	683.4	687.0	689.6	691.1
17.5°	679.8	691.0	701.5	709.6	714.5	718.6	718.6
20°	691.9	704.6	717.8	727.1	736.6	740.7	741.4
22.5°	704.7	724.2	741.3	755.6	768.1	772.4	774.0
25°	731.5	757.0	783.2	803.3	817.8	826.3	827.5
27.5°	763.8	798.3	825.8	844.5	856.4	862.7	864.1
30°	786.5	818.4	843.1	857.1	862.7	863.5	860.4
32.5°	796.7	820.6	830.5	829.6	818.7	811.5	808.7
35°	784.2	779.3	755.2	726.3	704.3	690.3	686.5
37.5°	713.6	671.0	626.7	583.1	559.9	548.0	527.8
40°	644.1	583.3	537.2	500.5	474.3	453.3	448.4
42.5°	565.6	502.8	456.7	425.3	404.4	390.0	383.7
45°	454.5	400.6	362.4	338.3	322.3	311.7	307.0
47.5°	363.6	321.7	294.0	276.2	263.9	254.8	252.2
50°	313.6	280.2	256.7	241.7	232.4	225.4	222.6
52.5°	272.4	245.4	227.4	215.0	206.3	201.9	199.5
55°	224.8	201.5	188.5	178.6	173.7	170.2	168.5
57.5°	183.9	167.0	157.6	150.7	146.2	143.9	143.1
60°	161.0	147.8	139.1	133.8	130.6	127.8	126.9
62.5°	140.6	130.3	123.6	118.9	115.8	114.6	114.0
65°	113.3	106.6	101.6	98.7	96.2	95.8	95.6
67.5°	90.1	86.1	83.5	80.5	79.6	78.2	77.8
70°	77.0	74.4	71.2	70.3	69.2	67.8	68.0
72.5°	65.4	62.7	60.5	59.2	58.9	58.2	58.8
75°	47.8	47.0	46.2	45.1	44.7	44.7	44.5
77.5°	34.2	33.4	32.5	31.9	31.7	30.9	31.2
80°	24.7	23.7	23.3	23.5	22.8	22.6	22.6
82.5°	18.3	17.9	17.5	17.6	17.4	17.2	17.4
85°	10.1	9.9	9.9	9.7	9.7	9.5	9.5
87.5°	5.2	5.4	5.2	5.1	5.1	5.4	5.5
90°	7.8	8.2	8.6	8.9	9.2	9.5	9.7
92.5°	7.8	8.2	8.6	8.6	8.8	8.9	9.0
95°	7.8	8.2	8.5	8.5	8.5	8.5	8.5
97.5°	12.3	9.7	8.5	8.5	8.5	8.5	8.5
100°	30.1	16.8	9.9	9.5	9.2	8.8	8.5
102.5°	81.9	79.5	75.2	69.0	63.0	56.8	50.7
105°	120.2	120.2	120.2	120.1	120.0	119.9	119.8
107.5°	152.2	152.2	152.1	151.9	151.6	151.3	151.1
110°	172.6	172.4	172.3	172.4	172.5	172.5	172.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	193.1	192.8	192.5	192.4	192.3	192.2	192.0
115°	224.0	223.6	223.2	222.7	222.1	221.6	221.1
117.5°	253.8	253.3	253.0	252.7	252.5	252.3	252.1
120°	273.4	273.2	272.9	272.4	272.0	271.5	271.1
122.5°	291.8	291.6	291.2	290.7	290.2	289.7	289.2
125°	318.4	318.1	317.7	317.4	317.2	316.9	316.6
127.5°	343.1	343.0	342.5	341.8	341.2	340.5	339.8
130°	359.0	358.7	358.4	357.9	357.5	357.0	356.6
132.5°	374.2	374.2	373.9	373.4	373.0	372.6	372.1
135°	396.0	395.8	395.5	394.9	394.4	393.9	393.3
137.5°	416.7	416.7	416.5	416.0	415.5	415.1	414.6
140°	429.4	429.5	429.4	428.8	428.3	427.8	427.2
142.5°	441.5	441.6	441.3	440.8	440.2	439.7	439.2
145°	459.0	459.1	458.8	458.3	457.7	457.2	456.6
147.5°	473.9	473.9	473.7	473.1	472.4	471.7	471.1
150°	483.4	483.6	483.3	482.6	481.9	481.2	480.5
152.5°	491.8	492.0	491.8	491.1	490.4	489.8	489.2
155°	503.5	503.7	503.5	502.7	502.0	501.3	500.6
157.5°	513.0	513.3	513.1	512.4	511.7	511.0	510.2
160°	519.1	519.4	519.2	518.5	517.8	517.1	516.4
162.5°	524.7	525.1	525.0	524.2	523.4	522.6	521.8
165°	531.7	532.3	532.2	531.5	530.7	529.9	529.2
167.5°	537.1	537.7	537.7	536.8	536.0	535.2	534.4
170°	539.9	540.6	540.6	539.8	539.0	538.1	537.3
172.5°	541.9	542.6	542.5	541.7	540.9	540.1	539.3
175°	544.3	545.0	545.0	544.2	543.4	542.6	541.8
177.5°	545.0	545.5	545.5	544.9	544.4	543.8	543.2
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2

(END OF REPORT)