

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: P333341-940

Luminaire Tested: **S125DIW-S375D470U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333341-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S375D470U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2820.2 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

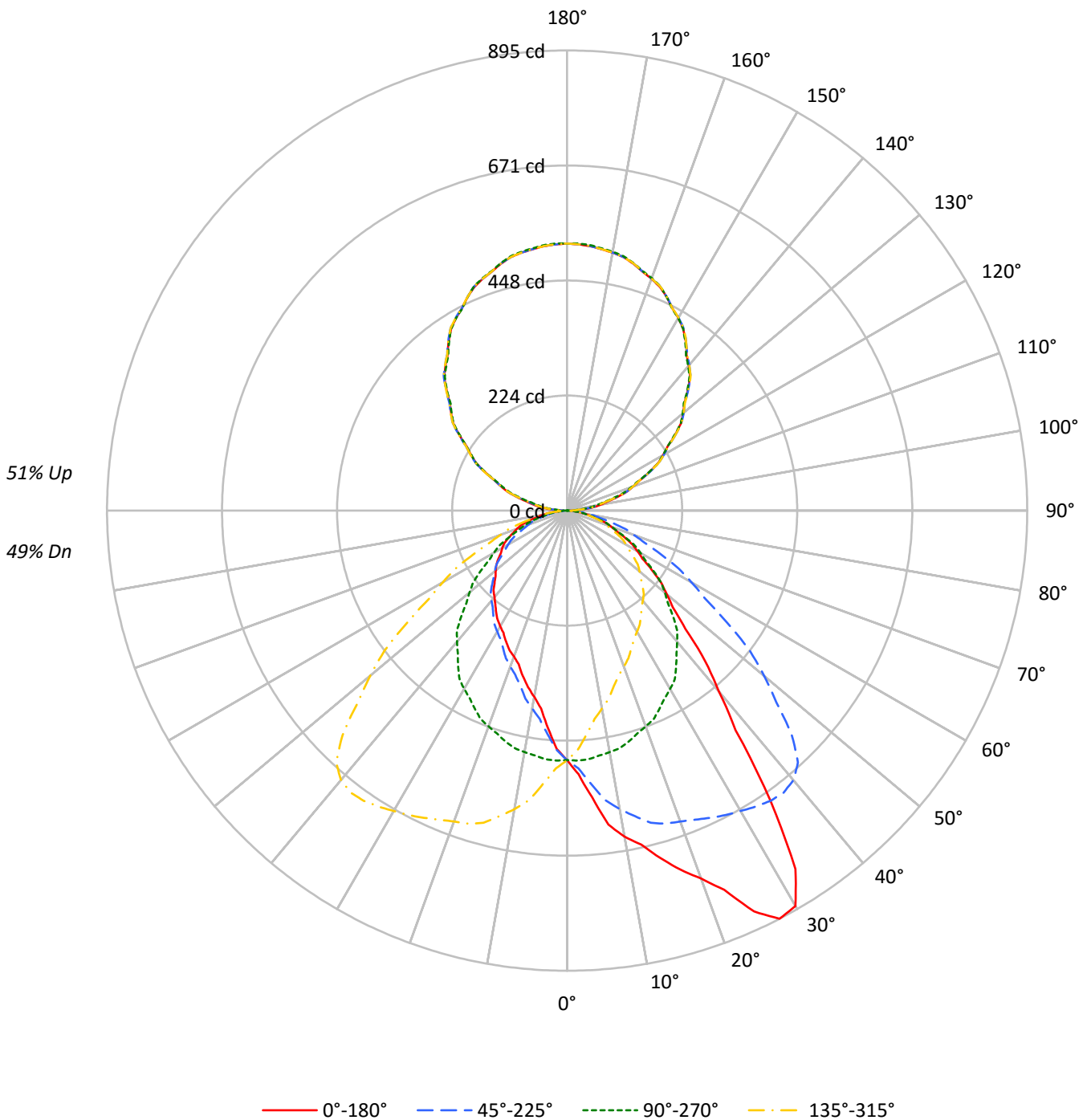
Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

Luminous Intensity Polar Plot



51% Up
49% Dn



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49				
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41				
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35				
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30				
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26				
5	68	57	49	43	63	53	46	40	45	40	35	38	34	30	31	28	26	22				
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20				
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	17				
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16				
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3135	3135	3135	3135
5°	3630	3146	2755	3146
10°	4224	3129	2413	3129
15°	4676	3107	2226	3107
20°	5234	3070	2076	3070
25°	6131	3029	2003	3029
30°	6623	2988	1939	2988
35°	5445	2912	1898	2912
40°	3871	2807	1851	2807
45°	2974	2665	1825	2665
50°	2538	2488	1822	2488
55°	2260	2315	1838	2315
60°	2038	2126	1885	2126
65°	1883	1936	1933	1936
70°	1713	1739	1962	1739
75°	1510	1532	1941	1532
80°	1272	1250	1778	1250
85°	1008	897	1438	897



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.7
10°-20°	139.1	4.9
20°-30°	225.9	8.0
30°-40°	275.6	9.8
40°-50°	250.7	8.9
50°-60°	199.7	7.1
60°-70°	139.1	4.9
70°-80°	74.2	2.6
80°-90°	19.9	0.7
90°-100°	34.8	1.2
100°-110°	102.7	3.6
110°-120°	174.0	6.2
120°-130°	229.0	8.1
130°-140°	256.6	9.1
140°-150°	251.5	8.9
150°-160°	211.2	7.5
160°-170°	140.4	5.0
170°-180°	49.1	1.7
0°-30°	411.8	14.6
0°-40°	687.4	24.4
0°-60°	1137.8	40.3
0°-90°	1371.0	48.6
90°-120°	311.5	11.0
90°-150°	1048.5	37.2
90°-180°	1449.0	51.4
0°-180°	2820.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	560	485	425	485	560	56
15°	699	465	333	465	699	200
25°	860	425	281	425	860	393
35°	691	369	241	369	691	423
45°	326	292	200	292	326	261
55°	201	206	163	206	201	181
65°	123	127	126	127	123	122
75°	60	61	78	61	60	65
85°	14	12	19	12	14	16
90°	10	0	10	0	10	6
95°	35	26	35	26	35	35
105°	100	92	100	92	100	106
115°	176	174	176	174	176	174
125°	256	254	256	254	256	228
135°	332	331	332	331	332	256
145°	402	401	402	401	402	251
155°	458	458	458	458	458	211
165°	497	498	497	498	497	140
175°	516	518	516	518	516	49
180°	519	519	519	519	519	



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	513.4	512.8	512.1	510.9	511.8	509.0	507.7	505.4	502.6	501.6	500.4
5°	560.0	561.1	562.1	557.8	558.2	555.3	548.7	543.3	539.0	533.4	529.5
7.5°	616.1	613.7	613.4	610.6	605.8	601.9	595.0	586.2	577.7	567.9	559.9
10°	644.1	644.4	642.5	639.2	634.0	630.3	621.3	612.6	602.1	589.7	580.9
12.5°	665.2	666.1	663.7	659.2	656.7	648.5	641.3	631.1	618.6	608.7	595.2
15°	699.3	697.1	695.4	689.8	685.5	676.9	665.6	654.8	641.2	628.7	616.1
17.5°	732.2	734.1	730.9	725.9	712.4	702.3	687.2	672.4	655.5	638.6	623.7
20°	761.5	763.2	758.5	749.6	733.5	723.4	703.5	684.5	664.9	643.3	626.8
22.5°	798.2	796.8	790.4	776.9	763.0	744.4	722.7	699.6	675.1	650.7	628.7
25°	860.4	851.8	847.8	831.2	812.9	785.4	755.8	722.0	691.5	659.2	631.2
27.5°	895.0	892.2	887.9	876.3	857.0	827.7	792.7	751.5	708.6	667.7	631.0
30°	888.1	888.5	888.9	885.2	872.8	850.8	815.9	771.7	720.5	674.6	632.1
32.5°	826.7	834.2	841.4	849.9	853.4	849.1	827.3	787.3	734.7	682.5	631.5
35°	690.6	692.9	716.2	739.3	770.6	795.0	811.2	793.4	749.2	689.2	630.7
37.5°	538.5	549.7	565.8	591.8	637.0	677.5	729.6	753.5	739.2	691.4	629.3
40°	459.1	469.4	479.9	506.5	544.6	593.6	652.7	703.2	715.0	684.5	624.3
42.5°	397.8	405.9	417.6	437.6	469.4	512.8	569.4	635.3	675.9	664.4	613.9
45°	325.6	330.7	339.7	355.6	378.7	412.7	462.5	534.7	597.5	618.3	589.3
47.5°	278.7	278.7	285.7	296.6	313.3	342.1	379.1	435.5	502.7	552.3	550.0
50°	252.6	251.6	257.2	266.6	279.8	299.0	334.2	379.3	443.8	500.1	515.8
52.5°	230.2	230.3	233.7	240.8	251.8	268.1	294.4	335.2	390.2	448.0	477.5
55°	200.7	199.8	203.8	208.5	216.6	227.3	246.2	277.3	322.1	378.9	417.2
57.5°	173.6	175.9	177.5	180.7	187.4	194.7	210.6	233.4	268.9	317.7	358.2
60°	157.8	160.1	161.3	164.6	170.0	176.2	188.5	207.1	236.9	279.0	319.1
62.5°	143.7	145.4	145.9	148.8	153.2	159.2	168.9	184.5	208.1	244.9	284.2
65°	123.2	123.2	124.0	127.2	129.2	134.6	142.0	153.3	172.3	200.9	234.5
67.5°	103.5	104.5	104.3	105.7	107.5	111.7	117.0	126.4	140.4	161.3	188.2
70°	90.7	91.5	91.3	92.3	94.3	97.0	101.4	110.2	120.3	138.2	161.3
72.5°	79.1	79.5	78.9	80.3	81.5	83.8	88.7	93.5	102.8	118.0	137.0
75°	60.5	61.0	61.4	62.2	63.5	64.7	67.1	71.9	78.1	89.4	101.6
77.5°	45.4	44.6	45.7	45.5	46.2	47.2	49.3	51.8	56.9	64.1	73.5
80°	34.2	34.4	34.4	34.6	35.7	36.3	38.1	39.9	43.9	49.2	55.8
82.5°	25.0	25.5	25.1	25.6	26.4	26.8	27.9	29.4	31.7	35.9	40.7
85°	13.6	12.6	13.0	13.4	13.4	13.6	14.4	15.1	16.3	17.9	19.8
87.5°	5.9	6.2	6.2	6.2	6.3	6.2	6.9	6.8	7.1	7.6	8.1
90°	9.7	9.5	9.2	8.9	8.6	8.3	7.8	7.4	7.0	6.5	5.8
92.5°	19.1	18.9	18.6	18.5	18.3	17.9	17.3	16.7	16.1	15.5	14.7
95°	34.8	34.6	34.4	34.2	34.1	33.6	33.0	32.4	31.7	31.1	30.2
97.5°	52.7	52.6	52.5	52.3	52.3	51.9	51.4	50.7	50.1	49.6	48.3
100°	66.3	66.1	65.9	65.7	65.5	65.1	64.3	63.5	62.7	61.8	60.6
102.5°	79.9	79.6	79.4	79.1	78.8	78.3	77.4	76.5	75.6	74.7	74.2
105°	100.2	100.0	99.7	99.4	99.2	98.7	98.2	97.6	97.1	96.6	96.0
107.5°	121.1	121.1	121.1	121.2	121.2	121.0	120.7	120.5	120.2	119.9	119.6
110°	136.6	136.7	136.8	136.9	137.0	136.9	136.6	136.3	136.1	135.8	135.5



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	151.8	151.9	152.1	152.3	152.5	152.5	152.3	152.2	152.1	151.9	151.6
115°	175.8	175.9	176.0	176.1	176.2	176.3	176.4	176.5	176.6	176.6	176.5
117.5°	199.2	199.6	200.0	200.4	200.7	200.8	200.7	200.7	200.6	200.5	200.4
120°	215.4	215.8	216.2	216.5	216.9	217.0	217.0	217.0	217.0	217.0	217.0
122.5°	231.6	231.8	232.2	232.5	232.7	232.9	233.0	233.1	233.1	233.2	233.0
125°	255.8	255.9	256.0	256.1	256.2	256.4	256.5	256.7	256.9	257.1	257.0
127.5°	279.1	279.3	279.5	279.6	279.8	280.0	280.1	280.2	280.3	280.4	280.2
130°	294.6	294.8	295.0	295.2	295.3	295.5	295.6	295.7	295.8	295.9	295.7
132.5°	309.2	309.4	309.7	310.0	310.2	310.3	310.4	310.5	310.6	310.7	310.8
135°	331.8	332.2	332.5	332.9	333.2	333.4	333.4	333.4	333.4	333.4	333.3
137.5°	353.9	354.4	354.9	355.3	355.8	356.0	355.8	355.7	355.6	355.5	355.3
140°	368.2	368.6	369.1	369.5	370.0	370.1	370.0	369.8	369.6	369.4	369.2
142.5°	381.7	382.2	382.6	383.1	383.5	383.7	383.6	383.5	383.4	383.3	383.0
145°	402.2	402.4	402.7	403.0	403.2	403.3	403.3	403.3	403.3	403.3	403.1
147.5°	419.5	420.1	420.7	421.3	422.0	422.1	422.0	421.7	421.5	421.3	421.1
150°	432.5	432.7	432.8	433.0	433.2	433.3	433.3	433.3	433.3	433.3	432.9
152.5°	443.1	443.4	443.8	444.1	444.4	444.4	444.3	444.1	443.8	443.6	443.4
155°	458.3	458.8	459.2	459.7	460.1	460.1	459.8	459.4	459.1	458.7	458.6
157.5°	471.0	471.6	472.2	472.8	473.4	473.5	473.1	472.8	472.4	472.1	472.0
160°	479.7	480.2	480.6	481.1	481.5	481.6	481.3	480.9	480.5	480.1	480.0
162.5°	487.1	487.7	488.2	488.7	489.3	489.3	488.8	488.5	488.0	487.6	487.6
165°	497.1	497.7	498.2	498.7	499.3	499.4	499.0	498.6	498.3	497.9	497.8
167.5°	505.1	505.6	506.1	506.7	507.3	507.3	506.8	506.2	505.7	505.2	505.2
170°	509.3	509.9	510.5	511.1	511.8	511.8	511.2	510.7	510.1	509.6	509.6
172.5°	512.8	513.4	513.9	514.4	515.1	515.1	514.5	514.0	513.4	512.9	512.9
175°	516.1	516.7	517.4	518.0	518.6	518.7	518.2	517.5	517.0	516.5	516.5
177.5°	518.1	518.5	519.1	519.6	520.0	520.1	519.7	519.2	518.8	518.4	518.4
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	499.4	498.3	497.0	494.6	491.9	490.4	488.1	486.6	483.7	481.2	478.5
5°	524.8	519.4	514.5	508.1	501.1	496.6	491.2	485.3	479.0	472.7	465.7
7.5°	551.1	541.5	531.3	520.2	509.3	499.4	489.8	480.5	471.8	461.2	452.3
10°	568.6	556.7	543.9	529.0	514.2	501.5	488.6	477.2	465.7	453.3	442.4
12.5°	586.3	570.4	552.3	535.8	518.3	502.8	487.6	473.1	458.6	444.9	432.1
15°	598.8	584.8	568.1	544.6	524.8	503.5	483.4	464.7	447.1	431.9	415.8
17.5°	607.0	588.9	571.0	548.5	522.5	498.8	475.9	454.4	434.7	415.4	399.9
20°	608.4	589.9	571.1	549.1	522.5	495.3	472.4	446.7	425.5	405.5	386.6
22.5°	608.0	586.9	566.5	543.9	517.9	492.8	465.2	439.0	415.9	396.3	376.5
25°	603.3	580.9	555.3	532.4	506.8	480.3	452.3	425.1	401.6	379.2	359.5
27.5°	599.4	570.3	541.4	514.7	490.0	465.7	438.8	411.0	385.0	362.2	343.8
30°	594.7	562.7	530.1	502.3	477.0	453.3	427.9	400.7	373.5	351.3	331.5
32.5°	590.4	553.1	518.8	488.5	461.6	438.6	415.3	389.4	362.7	340.1	320.3
35°	582.1	539.0	499.6	465.5	436.8	413.1	393.5	369.4	344.9	323.1	304.2
37.5°	571.6	520.5	478.2	442.4	411.0	386.0	367.8	349.3	325.7	304.7	287.6
40°	563.3	507.3	462.5	425.9	393.3	367.4	350.4	333.0	313.4	293.8	275.7
42.5°	552.9	495.4	446.7	407.2	375.1	349.7	332.0	317.2	299.9	281.6	264.8
45°	533.9	473.9	421.2	378.7	346.2	321.2	302.9	291.8	278.7	261.4	247.3
47.5°	505.8	448.1	393.5	349.7	316.1	293.0	275.8	265.1	256.0	243.2	230.2
50°	480.9	428.8	373.5	330.1	296.5	273.2	257.3	247.6	239.9	230.0	219.0
52.5°	453.1	404.6	353.9	310.9	277.7	254.8	239.2	230.7	224.2	217.1	206.3
55°	408.8	367.6	320.6	279.8	249.1	226.7	213.0	205.6	200.3	194.9	188.3
57.5°	360.1	327.8	286.2	248.9	220.6	200.2	187.5	180.3	176.1	173.3	169.5
60°	325.7	298.2	262.3	228.3	200.7	182.5	170.2	164.6	161.1	158.9	156.0
62.5°	293.9	271.3	238.1	207.1	182.9	165.8	154.7	149.3	146.0	144.8	142.5
65°	247.1	229.5	202.2	176.4	155.8	141.2	131.9	126.7	124.7	123.4	123.6
67.5°	200.8	190.2	168.2	146.2	129.7	117.5	110.0	106.1	105.0	103.4	103.4
70°	172.6	164.6	146.1	126.9	112.3	102.8	96.2	92.1	91.0	90.2	90.1
72.5°	147.8	140.7	124.7	109.3	96.1	87.8	82.4	79.9	78.2	77.8	77.7
75°	111.0	107.2	94.3	82.2	73.1	67.4	63.7	61.4	60.2	59.9	60.2
77.5°	78.9	75.5	67.4	58.8	53.1	48.7	45.6	44.8	43.4	43.4	43.2
80°	59.3	57.1	51.9	45.1	40.4	36.6	35.0	33.6	33.2	32.5	33.2
82.5°	43.0	40.6	37.1	32.7	28.8	26.7	25.0	24.5	24.3	24.0	24.1
85°	21.2	21.4	19.4	16.1	14.4	13.2	12.1	12.1	11.9	11.8	11.9
87.5°	8.3	7.8	7.0	6.4	5.4	4.8	4.5	4.5	4.2	4.2	4.5
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°	14.0	13.2	12.4	11.8	11.3	10.8	10.3	9.8	10.3	10.8	11.3
95°	29.3	28.4	27.6	27.0	26.8	26.7	26.5	26.3	26.5	26.7	26.8
97.5°	47.1	45.8	44.6	44.0	43.9	43.8	43.7	43.6	43.7	43.8	43.9
100°	59.5	58.3	57.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
102.5°	73.6	73.0	72.4	72.0	71.6	71.2	70.8	70.4	70.8	71.2	71.6
105°	95.5	95.0	94.4	94.0	93.5	93.0	92.6	92.1	92.6	93.0	93.5
107.5°	119.1	118.7	118.3	117.9	117.4	117.0	116.5	116.1	116.5	117.0	117.4
110°	135.3	135.0	134.7	134.4	133.9	133.5	133.0	132.6	133.0	133.5	133.9



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	151.3	151.0	150.6	150.3	150.1	149.8	149.6	149.4	149.6	149.8	150.1
115°	176.3	176.1	175.9	175.7	175.3	175.0	174.5	174.2	174.5	175.0	175.3
117.5°	200.2	200.1	199.9	199.7	199.6	199.4	199.2	199.1	199.2	199.4	199.6
120°	216.9	216.8	216.7	216.4	216.0	215.5	215.1	214.6	215.1	215.5	216.0
122.5°	232.7	232.5	232.3	232.0	231.9	231.8	231.6	231.4	231.6	231.8	231.9
125°	256.9	256.8	256.7	256.4	255.8	255.3	254.8	254.2	254.8	255.3	255.8
127.5°	280.1	280.0	279.9	279.7	279.4	279.1	278.7	278.5	278.7	279.1	279.4
130°	295.5	295.3	295.2	294.8	294.4	293.9	293.5	293.0	293.5	293.9	294.4
132.5°	310.8	310.9	310.9	310.5	309.8	309.1	308.3	307.6	308.3	309.1	309.8
135°	333.2	333.1	333.1	332.8	332.3	331.7	331.2	330.6	331.2	331.7	332.3
137.5°	355.1	354.9	354.7	354.4	353.8	353.3	352.8	352.2	352.8	353.3	353.8
140°	368.9	368.6	368.4	367.9	367.5	367.0	366.6	366.1	366.6	367.0	367.5
142.5°	382.6	382.3	381.9	381.6	381.2	380.8	380.4	380.0	380.4	380.8	381.2
145°	402.8	402.5	402.3	402.0	401.6	401.3	400.9	400.6	400.9	401.3	401.6
147.5°	420.9	420.6	420.4	420.3	420.0	419.8	419.6	419.5	419.6	419.8	420.0
150°	432.6	432.2	431.9	431.7	431.8	431.9	431.9	432.0	431.9	431.9	431.8
152.5°	443.4	443.2	443.0	442.9	442.7	442.6	442.6	442.4	442.6	442.6	442.7
155°	458.5	458.4	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3
157.5°	471.9	471.8	471.7	471.7	472.0	472.2	472.3	472.5	472.3	472.2	472.0
160°	479.9	479.8	479.7	479.8	480.1	480.4	480.7	481.0	480.7	480.4	480.1
162.5°	487.5	487.5	487.5	487.6	487.8	488.0	488.2	488.4	488.2	488.0	487.8
165°	497.8	497.7	497.6	497.6	497.8	497.9	498.1	498.3	498.1	497.9	497.8
167.5°	505.2	505.2	505.2	505.3	505.7	506.0	506.4	506.8	506.4	506.0	505.7
170°	509.6	509.6	509.6	509.8	510.1	510.5	510.9	511.2	510.9	510.5	510.1
172.5°	512.9	512.9	512.9	513.1	513.4	513.8	514.2	514.5	514.2	513.8	513.4
175°	516.5	516.5	516.5	516.7	517.0	517.4	517.7	518.2	517.7	517.4	517.0
177.5°	518.5	518.6	518.6	518.8	519.2	519.4	519.7	520.0	519.7	519.4	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	477.1	475.2	473.8	470.5	468.6	466.2	464.2	466.4	464.0	465.0	463.5
5°	462.2	456.4	452.3	446.3	441.1	436.4	432.9	432.3	430.6	429.8	427.3
7.5°	444.3	437.0	430.0	422.1	415.5	408.8	404.6	401.0	398.7	395.6	393.4
10°	433.7	424.0	415.8	406.4	398.1	390.8	385.1	382.2	379.5	375.6	374.2
12.5°	420.7	410.7	400.6	390.5	382.5	374.5	369.6	365.2	363.4	359.0	358.6
15°	405.1	390.0	380.1	369.9	358.9	352.3	348.2	343.5	341.4	338.3	336.1
17.5°	386.5	373.0	360.7	350.0	340.6	335.1	329.9	326.7	323.2	321.1	317.4
20°	372.9	360.2	347.8	336.4	329.2	322.9	318.8	315.7	311.9	310.9	307.2
22.5°	361.6	347.5	335.6	326.1	318.3	311.0	306.6	304.4	301.9	298.7	298.0
25°	343.0	328.4	318.3	308.9	301.8	295.2	292.2	289.5	287.0	284.7	283.9
27.5°	327.1	314.0	302.0	293.5	287.3	281.3	278.7	275.4	273.6	271.7	269.5
30°	315.8	302.5	291.9	283.7	277.1	271.8	268.9	266.6	265.0	263.3	262.1
32.5°	304.3	291.9	281.8	273.7	267.1	263.1	260.5	258.9	257.1	255.1	253.5
35°	289.1	275.4	265.6	258.6	253.4	250.3	247.4	246.0	244.0	244.0	242.3
37.5°	271.9	260.1	251.4	245.0	240.4	237.6	234.5	233.5	232.2	231.3	230.8
40°	261.7	250.7	242.5	236.1	231.2	228.9	226.4	224.8	224.0	222.9	222.6
42.5°	251.1	240.7	232.8	226.9	222.6	220.7	218.4	217.2	215.5	214.2	213.9
45°	235.1	225.0	217.8	213.0	209.4	207.1	205.6	203.1	202.3	200.7	200.5
47.5°	219.9	210.2	203.1	199.2	196.0	194.1	191.9	189.4	188.4	187.6	187.5
50°	208.5	199.7	193.1	189.4	186.3	183.6	181.3	179.7	179.1	179.1	179.5
52.5°	197.0	189.4	183.9	179.3	176.4	173.5	171.4	170.4	169.5	170.5	171.2
55°	180.1	172.5	168.4	164.0	161.1	157.8	156.8	156.4	155.8	157.4	158.3
57.5°	162.2	156.9	152.0	147.8	145.2	143.2	141.9	141.6	142.8	143.6	146.2
60°	150.8	144.6	140.4	137.1	133.9	132.7	132.2	131.9	132.7	134.9	138.5
62.5°	138.3	133.3	128.6	126.2	123.9	121.8	121.7	122.0	123.6	126.3	129.7
65°	119.9	115.6	112.5	109.6	107.7	106.6	106.9	107.7	109.6	113.2	117.0
67.5°	101.2	98.3	95.5	93.2	91.4	91.4	91.8	93.1	95.2	99.2	102.8
70°	89.3	86.0	83.6	82.7	81.1	80.3	81.6	83.6	85.5	89.3	92.3
72.5°	77.2	74.4	72.6	71.9	71.2	70.6	71.1	73.3	75.8	79.5	83.1
75°	59.3	58.3	57.1	56.3	55.6	56.1	56.4	58.5	60.5	64.5	68.6
77.5°	43.3	42.3	41.5	41.3	40.9	41.2	42.4	43.9	45.8	48.7	51.8
80°	32.7	32.4	31.9	31.7	31.7	31.9	33.6	34.6	36.5	39.1	41.6
82.5°	23.9	23.6	23.5	23.5	23.6	23.7	24.7	26.0	27.6	29.6	31.7
85°	12.6	12.1	12.8	13.0	12.6	13.2	13.6	14.4	15.1	16.1	17.1
87.5°	4.8	5.3	5.2	5.5	5.6	6.1	6.0	6.8	7.1	7.6	7.5
90°	3.3	3.9	4.5	5.2	5.8	6.5	7.0	7.4	7.8	8.3	8.6
92.5°	11.8	12.4	13.2	14.0	14.7	15.5	16.1	16.7	17.3	17.9	18.3
95°	27.0	27.6	28.4	29.3	30.2	31.1	31.7	32.4	33.0	33.6	34.1
97.5°	44.0	44.6	45.8	47.1	48.3	49.6	50.1	50.7	51.4	51.9	52.3
100°	56.6	57.2	58.3	59.5	60.6	61.8	62.7	63.5	64.3	65.1	65.5
102.5°	72.0	72.4	73.0	73.6	74.2	74.7	75.6	76.5	77.4	78.3	78.8
105°	94.0	94.4	95.0	95.5	96.0	96.6	97.1	97.6	98.2	98.7	99.2
107.5°	117.9	118.3	118.7	119.1	119.6	119.9	120.2	120.5	120.7	121.0	121.2
110°	134.4	134.7	135.0	135.3	135.5	135.8	136.1	136.3	136.6	136.9	137.0



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	150.3	150.6	151.0	151.3	151.6	151.9	152.1	152.2	152.3	152.5	152.5
115°	175.7	175.9	176.1	176.3	176.5	176.6	176.6	176.5	176.4	176.3	176.2
117.5°	199.7	199.9	200.1	200.2	200.4	200.5	200.6	200.7	200.7	200.8	200.7
120°	216.4	216.7	216.8	216.9	217.0	217.0	217.0	217.0	217.0	217.0	216.9
122.5°	232.0	232.3	232.5	232.7	233.0	233.2	233.1	233.1	233.0	232.9	232.7
125°	256.4	256.7	256.8	256.9	257.0	257.1	256.9	256.7	256.5	256.4	256.2
127.5°	279.7	279.9	280.0	280.1	280.2	280.4	280.3	280.2	280.1	280.0	279.8
130°	294.8	295.2	295.3	295.5	295.7	295.9	295.8	295.7	295.6	295.5	295.3
132.5°	310.5	310.9	310.9	310.8	310.8	310.7	310.6	310.5	310.4	310.3	310.2
135°	332.8	333.1	333.1	333.2	333.3	333.4	333.4	333.4	333.4	333.4	333.2
137.5°	354.4	354.7	354.9	355.1	355.3	355.5	355.6	355.7	355.8	356.0	355.8
140°	367.9	368.4	368.6	368.9	369.2	369.4	369.6	369.8	370.0	370.1	370.0
142.5°	381.6	381.9	382.3	382.6	383.0	383.3	383.4	383.5	383.6	383.7	383.5
145°	402.0	402.3	402.5	402.8	403.1	403.3	403.3	403.3	403.3	403.3	403.2
147.5°	420.3	420.4	420.6	420.9	421.1	421.3	421.5	421.7	422.0	422.1	422.0
150°	431.7	431.9	432.2	432.6	432.9	433.3	433.3	433.3	433.3	433.3	433.2
152.5°	442.9	443.0	443.2	443.4	443.4	443.6	443.8	444.1	444.3	444.4	444.4
155°	458.3	458.3	458.4	458.5	458.6	458.7	459.1	459.4	459.8	460.1	460.1
157.5°	471.7	471.7	471.8	471.9	472.0	472.1	472.4	472.8	473.1	473.5	473.4
160°	479.8	479.7	479.8	479.9	480.0	480.1	480.5	480.9	481.3	481.6	481.5
162.5°	487.6	487.5	487.5	487.5	487.6	487.6	488.0	488.5	488.8	489.3	489.3
165°	497.6	497.6	497.7	497.8	497.8	497.9	498.3	498.6	499.0	499.4	499.3
167.5°	505.3	505.2	505.2	505.2	505.2	505.2	505.7	506.2	506.8	507.3	507.3
170°	509.8	509.6	509.6	509.6	509.6	509.6	510.1	510.7	511.2	511.8	511.8
172.5°	513.1	512.9	512.9	512.9	512.9	512.9	513.4	514.0	514.5	515.1	515.1
175°	516.7	516.5	516.5	516.5	516.5	516.5	517.0	517.5	518.2	518.7	518.6
177.5°	518.8	518.6	518.6	518.5	518.4	518.4	518.8	519.2	519.7	520.1	520.0
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	462.5	463.7	462.7	464.0	462.7	463.7	462.5	463.5	465.0	464.0	466.4
5°	426.3	424.5	425.7	424.9	425.7	424.5	426.3	427.3	429.8	430.6	432.3
7.5°	392.9	391.1	389.1	388.1	389.1	391.1	392.9	393.4	395.6	398.7	401.0
10°	371.9	369.6	369.4	368.0	369.4	369.6	371.9	374.2	375.6	379.5	382.2
12.5°	356.6	354.5	352.1	351.5	352.1	354.5	356.6	358.6	359.0	363.4	365.2
15°	334.8	333.1	331.7	333.0	331.7	333.1	334.8	336.1	338.3	341.4	343.5
17.5°	316.7	315.4	315.1	313.6	315.1	315.4	316.7	317.4	321.1	323.2	326.7
20°	305.3	304.3	304.8	302.0	304.8	304.3	305.3	307.2	310.9	311.9	315.7
22.5°	296.3	294.3	294.0	293.5	294.0	294.3	296.3	298.0	298.7	301.9	304.4
25°	282.0	281.1	280.0	281.1	280.0	281.1	282.0	283.9	284.7	287.0	289.5
27.5°	269.7	268.4	268.1	268.3	268.1	268.4	269.7	269.5	271.7	273.6	275.4
30°	262.1	260.0	260.2	260.0	260.2	260.0	262.1	262.1	263.3	265.0	266.6
32.5°	253.9	252.4	252.2	251.8	252.2	252.4	253.9	253.5	255.1	257.1	258.9
35°	241.7	241.7	240.7	240.7	240.7	241.7	241.7	242.3	244.0	244.0	246.0
37.5°	230.2	230.1	229.4	229.5	229.4	230.1	230.2	230.8	231.3	232.2	233.5
40°	221.7	221.5	220.9	219.6	220.9	221.5	221.7	222.6	222.9	224.0	224.8
42.5°	213.5	212.8	212.5	212.0	212.5	212.8	213.5	213.9	214.2	215.5	217.2
45°	200.5	200.5	200.1	199.8	200.1	200.5	200.5	200.5	200.7	202.3	203.1
47.5°	187.9	188.2	189.0	188.9	189.0	188.2	187.9	187.5	187.6	188.4	189.4
50°	180.3	180.5	181.1	181.3	181.1	180.5	180.3	179.5	179.1	179.1	179.7
52.5°	171.9	173.1	173.9	173.7	173.9	173.1	171.9	171.2	170.5	169.5	170.4
55°	160.1	161.6	163.0	163.2	163.0	161.6	160.1	158.3	157.4	155.8	156.4
57.5°	148.5	150.4	151.9	152.5	151.9	150.4	148.5	146.2	143.6	142.8	141.6
60°	140.5	143.2	145.1	145.9	145.1	143.2	140.5	138.5	134.9	132.7	131.9
62.5°	133.0	136.0	137.8	137.9	137.8	136.0	133.0	129.7	126.3	123.6	122.0
65°	120.6	123.6	125.3	126.5	125.3	123.6	120.6	117.0	113.2	109.6	107.7
67.5°	107.2	110.3	112.1	113.1	112.1	110.3	107.2	102.8	99.2	95.2	93.1
70°	97.5	100.6	103.0	103.9	103.0	100.6	97.5	92.3	89.3	85.5	83.6
72.5°	87.9	90.7	92.6	93.6	92.6	90.7	87.9	83.1	79.5	75.8	73.3
75°	71.2	75.0	76.9	77.8	76.9	75.0	71.2	68.6	64.5	60.5	58.5
77.5°	54.9	58.3	59.5	60.0	59.5	58.3	54.9	51.8	48.7	45.8	43.9
80°	44.1	46.2	47.6	47.8	47.6	46.2	44.1	41.6	39.1	36.5	34.6
82.5°	33.9	35.6	36.0	36.6	36.0	35.6	33.9	31.7	29.6	27.6	26.0
85°	18.5	19.4	19.6	19.4	19.6	19.4	18.5	17.1	16.1	15.1	14.4
87.5°	7.8	7.8	7.8	8.2	7.8	7.8	7.8	7.5	7.6	7.1	6.8
90°	8.9	9.2	9.5	9.7	9.5	9.2	8.9	8.6	8.3	7.8	7.4
92.5°	18.5	18.6	18.9	19.1	18.9	18.6	18.5	18.3	17.9	17.3	16.7
95°	34.2	34.4	34.6	34.8	34.6	34.4	34.2	34.1	33.6	33.0	32.4
97.5°	52.3	52.5	52.6	52.7	52.6	52.5	52.3	52.3	51.9	51.4	50.7
100°	65.7	65.9	66.1	66.3	66.1	65.9	65.7	65.5	65.1	64.3	63.5
102.5°	79.1	79.4	79.6	79.9	79.6	79.4	79.1	78.8	78.3	77.4	76.5
105°	99.4	99.7	100.0	100.2	100.0	99.7	99.4	99.2	98.7	98.2	97.6
107.5°	121.2	121.1	121.1	121.1	121.1	121.1	121.2	121.2	121.0	120.7	120.5
110°	136.9	136.8	136.7	136.6	136.7	136.8	136.9	137.0	136.9	136.6	136.3



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	152.3	152.1	151.9	151.8	151.9	152.1	152.3	152.5	152.5	152.3	152.2
115°	176.1	176.0	175.9	175.8	175.9	176.0	176.1	176.2	176.3	176.4	176.5
117.5°	200.4	200.0	199.6	199.2	199.6	200.0	200.4	200.7	200.8	200.7	200.7
120°	216.5	216.2	215.8	215.4	215.8	216.2	216.5	216.9	217.0	217.0	217.0
122.5°	232.5	232.2	231.8	231.6	231.8	232.2	232.5	232.7	232.9	233.0	233.1
125°	256.1	256.0	255.9	255.8	255.9	256.0	256.1	256.2	256.4	256.5	256.7
127.5°	279.6	279.5	279.3	279.1	279.3	279.5	279.6	279.8	280.0	280.1	280.2
130°	295.2	295.0	294.8	294.6	294.8	295.0	295.2	295.3	295.5	295.6	295.7
132.5°	310.0	309.7	309.4	309.2	309.4	309.7	310.0	310.2	310.3	310.4	310.5
135°	332.9	332.5	332.2	331.8	332.2	332.5	332.9	333.2	333.4	333.4	333.4
137.5°	355.3	354.9	354.4	353.9	354.4	354.9	355.3	355.8	356.0	355.8	355.7
140°	369.5	369.1	368.6	368.2	368.6	369.1	369.5	370.0	370.1	370.0	369.8
142.5°	383.1	382.6	382.2	381.7	382.2	382.6	383.1	383.5	383.7	383.6	383.5
145°	403.0	402.7	402.4	402.2	402.4	402.7	403.0	403.2	403.3	403.3	403.3
147.5°	421.3	420.7	420.1	419.5	420.1	420.7	421.3	422.0	422.1	422.0	421.7
150°	433.0	432.8	432.7	432.5	432.7	432.8	433.0	433.2	433.3	433.3	433.3
152.5°	444.1	443.8	443.4	443.1	443.4	443.8	444.1	444.4	444.4	444.3	444.1
155°	459.7	459.2	458.8	458.3	458.8	459.2	459.7	460.1	460.1	459.8	459.4
157.5°	472.8	472.2	471.6	471.0	471.6	472.2	472.8	473.4	473.5	473.1	472.8
160°	481.1	480.6	480.2	479.7	480.2	480.6	481.1	481.5	481.6	481.3	480.9
162.5°	488.7	488.2	487.7	487.1	487.7	488.2	488.7	489.3	489.3	488.8	488.5
165°	498.7	498.2	497.7	497.1	497.7	498.2	498.7	499.3	499.4	499.0	498.6
167.5°	506.7	506.1	505.6	505.1	505.6	506.1	506.7	507.3	507.3	506.8	506.2
170°	511.1	510.5	509.9	509.3	509.9	510.5	511.1	511.8	511.8	511.2	510.7
172.5°	514.4	513.9	513.4	512.8	513.4	513.9	514.4	515.1	515.1	514.5	514.0
175°	518.0	517.4	516.7	516.1	516.7	517.4	518.0	518.6	518.7	518.2	517.5
177.5°	519.6	519.1	518.5	518.1	518.5	519.1	519.6	520.0	520.1	519.7	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	464.2	466.2	468.6	470.5	473.8	475.2	477.1	478.5	481.2	483.7	486.6
5°	432.9	436.4	441.1	446.3	452.3	456.4	462.2	465.7	472.7	479.0	485.3
7.5°	404.6	408.8	415.5	422.1	430.0	437.0	444.3	452.3	461.2	471.8	480.5
10°	385.1	390.8	398.1	406.4	415.8	424.0	433.7	442.4	453.3	465.7	477.2
12.5°	369.6	374.5	382.5	390.5	400.6	410.7	420.7	432.1	444.9	458.6	473.1
15°	348.2	352.3	358.9	369.9	380.1	390.0	405.1	415.8	431.9	447.1	464.7
17.5°	329.9	335.1	340.6	350.0	360.7	373.0	386.5	399.9	415.4	434.7	454.4
20°	318.8	322.9	329.2	336.4	347.8	360.2	372.9	386.6	405.5	425.5	446.7
22.5°	306.6	311.0	318.3	326.1	335.6	347.5	361.6	376.5	396.3	415.9	439.0
25°	292.2	295.2	301.8	308.9	318.3	328.4	343.0	359.5	379.2	401.6	425.1
27.5°	278.7	281.3	287.3	293.5	302.0	314.0	327.1	343.8	362.2	385.0	411.0
30°	268.9	271.8	277.1	283.7	291.9	302.5	315.8	331.5	351.3	373.5	400.7
32.5°	260.5	263.1	267.1	273.7	281.8	291.9	304.3	320.3	340.1	362.7	389.4
35°	247.4	250.3	253.4	258.6	265.6	275.4	289.1	304.2	323.1	344.9	369.4
37.5°	234.5	237.6	240.4	245.0	251.4	260.1	271.9	287.6	304.7	325.7	349.3
40°	226.4	228.9	231.2	236.1	242.5	250.7	261.7	275.7	293.8	313.4	333.0
42.5°	218.4	220.7	222.6	226.9	232.8	240.7	251.1	264.8	281.6	299.9	317.2
45°	205.6	207.1	209.4	213.0	217.8	225.0	235.1	247.3	261.4	278.7	291.8
47.5°	191.9	194.1	196.0	199.2	203.1	210.2	219.9	230.2	243.2	256.0	265.1
50°	181.3	183.6	186.3	189.4	193.1	199.7	208.5	219.0	230.0	239.9	247.6
52.5°	171.4	173.5	176.4	179.3	183.9	189.4	197.0	206.3	217.1	224.2	230.7
55°	156.8	157.8	161.1	164.0	168.4	172.5	180.1	188.3	194.9	200.3	205.6
57.5°	141.9	143.2	145.2	147.8	152.0	156.9	162.2	169.5	173.3	176.1	180.3
60°	132.2	132.7	133.9	137.1	140.4	144.6	150.8	156.0	158.9	161.1	164.6
62.5°	121.7	121.8	123.9	126.2	128.6	133.3	138.3	142.5	144.8	146.0	149.3
65°	106.9	106.6	107.7	109.6	112.5	115.6	119.9	123.6	123.4	124.7	126.7
67.5°	91.8	91.4	91.4	93.2	95.5	98.3	101.2	103.4	103.4	105.0	106.1
70°	81.6	80.3	81.1	82.7	83.6	86.0	89.3	90.1	90.2	91.0	92.1
72.5°	71.1	70.6	71.2	71.9	72.6	74.4	77.2	77.7	77.8	78.2	79.9
75°	56.4	56.1	55.6	56.3	57.1	58.3	59.3	60.2	59.9	60.2	61.4
77.5°	42.4	41.2	40.9	41.3	41.5	42.3	43.3	43.2	43.4	43.4	44.8
80°	33.6	31.9	31.7	31.7	31.9	32.4	32.7	33.2	32.5	33.2	33.6
82.5°	24.7	23.7	23.6	23.5	23.5	23.6	23.9	24.1	24.0	24.3	24.5
85°	13.6	13.2	12.6	13.0	12.8	12.1	12.6	11.9	11.8	11.9	12.1
87.5°	6.0	6.1	5.6	5.5	5.2	5.3	4.8	4.5	4.2	4.2	4.5
90°	7.0	6.5	5.8	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4
92.5°	16.1	15.5	14.7	14.0	13.2	12.4	11.8	11.3	10.8	10.3	9.8
95°	31.7	31.1	30.2	29.3	28.4	27.6	27.0	26.8	26.7	26.5	26.3
97.5°	50.1	49.6	48.3	47.1	45.8	44.6	44.0	43.9	43.8	43.7	43.6
100°	62.7	61.8	60.6	59.5	58.3	57.2	56.6	56.6	56.6	56.6	56.6
102.5°	75.6	74.7	74.2	73.6	73.0	72.4	72.0	71.6	71.2	70.8	70.4
105°	97.1	96.6	96.0	95.5	95.0	94.4	94.0	93.5	93.0	92.6	92.1
107.5°	120.2	119.9	119.6	119.1	118.7	118.3	117.9	117.4	117.0	116.5	116.1
110°	136.1	135.8	135.5	135.3	135.0	134.7	134.4	133.9	133.5	133.0	132.6



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	152.1	151.9	151.6	151.3	151.0	150.6	150.3	150.1	149.8	149.6	149.4
115°	176.6	176.6	176.5	176.3	176.1	175.9	175.7	175.3	175.0	174.5	174.2
117.5°	200.6	200.5	200.4	200.2	200.1	199.9	199.7	199.6	199.4	199.2	199.1
120°	217.0	217.0	217.0	216.9	216.8	216.7	216.4	216.0	215.5	215.1	214.6
122.5°	233.1	233.2	233.0	232.7	232.5	232.3	232.0	231.9	231.8	231.6	231.4
125°	256.9	257.1	257.0	256.9	256.8	256.7	256.4	255.8	255.3	254.8	254.2
127.5°	280.3	280.4	280.2	280.1	280.0	279.9	279.7	279.4	279.1	278.7	278.5
130°	295.8	295.9	295.7	295.5	295.3	295.2	294.8	294.4	293.9	293.5	293.0
132.5°	310.6	310.7	310.8	310.8	310.9	310.9	310.5	309.8	309.1	308.3	307.6
135°	333.4	333.4	333.3	333.2	333.1	333.1	332.8	332.3	331.7	331.2	330.6
137.5°	355.6	355.5	355.3	355.1	354.9	354.7	354.4	353.8	353.3	352.8	352.2
140°	369.6	369.4	369.2	368.9	368.6	368.4	367.9	367.5	367.0	366.6	366.1
142.5°	383.4	383.3	383.0	382.6	382.3	381.9	381.6	381.2	380.8	380.4	380.0
145°	403.3	403.3	403.1	402.8	402.5	402.3	402.0	401.6	401.3	400.9	400.6
147.5°	421.5	421.3	421.1	420.9	420.6	420.4	420.3	420.0	419.8	419.6	419.5
150°	433.3	433.3	432.9	432.6	432.2	431.9	431.7	431.8	431.9	431.9	432.0
152.5°	443.8	443.6	443.4	443.4	443.2	443.0	442.9	442.7	442.6	442.6	442.4
155°	459.1	458.7	458.6	458.5	458.4	458.3	458.3	458.3	458.3	458.3	458.3
157.5°	472.4	472.1	472.0	471.9	471.8	471.7	471.7	472.0	472.2	472.3	472.5
160°	480.5	480.1	480.0	479.9	479.8	479.7	479.8	480.1	480.4	480.7	481.0
162.5°	488.0	487.6	487.6	487.5	487.5	487.5	487.6	487.8	488.0	488.2	488.4
165°	498.3	497.9	497.8	497.8	497.7	497.6	497.6	497.8	497.9	498.1	498.3
167.5°	505.7	505.2	505.2	505.2	505.2	505.2	505.3	505.7	506.0	506.4	506.8
170°	510.1	509.6	509.6	509.6	509.6	509.6	509.8	510.1	510.5	510.9	511.2
172.5°	513.4	512.9	512.9	512.9	512.9	512.9	513.1	513.4	513.8	514.2	514.5
175°	517.0	516.5	516.5	516.5	516.5	516.5	516.7	517.0	517.4	517.7	518.2
177.5°	518.8	518.4	518.4	518.5	518.6	518.6	518.8	519.2	519.4	519.7	520.0
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	488.1	490.4	491.9	494.6	497.0	498.3	499.4	500.4	501.6	502.6	505.4
5°	491.2	496.6	501.1	508.1	514.5	519.4	524.8	529.5	533.4	539.0	543.3
7.5°	489.8	499.4	509.3	520.2	531.3	541.5	551.1	559.9	567.9	577.7	586.2
10°	488.6	501.5	514.2	529.0	543.9	556.7	568.6	580.9	589.7	602.1	612.6
12.5°	487.6	502.8	518.3	535.8	552.3	570.4	586.3	595.2	608.7	618.6	631.1
15°	483.4	503.5	524.8	544.6	568.1	584.8	598.8	616.1	628.7	641.2	654.8
17.5°	475.9	498.8	522.5	548.5	571.0	588.9	607.0	623.7	638.6	655.5	672.4
20°	472.4	495.3	522.5	549.1	571.1	589.9	608.4	626.8	643.3	664.9	684.5
22.5°	465.2	492.8	517.9	543.9	566.5	586.9	608.0	628.7	650.7	675.1	699.6
25°	452.3	480.3	506.8	532.4	555.3	580.9	603.3	631.2	659.2	691.5	722.0
27.5°	438.8	465.7	490.0	514.7	541.4	570.3	599.4	631.0	667.7	708.6	751.5
30°	427.9	453.3	477.0	502.3	530.1	562.7	594.7	632.1	674.6	720.5	771.7
32.5°	415.3	438.6	461.6	488.5	518.8	553.1	590.4	631.5	682.5	734.7	787.3
35°	393.5	413.1	436.8	465.5	499.6	539.0	582.1	630.7	689.2	749.2	793.4
37.5°	367.8	386.0	411.0	442.4	478.2	520.5	571.6	629.3	691.4	739.2	753.5
40°	350.4	367.4	393.3	425.9	462.5	507.3	563.3	624.3	684.5	715.0	703.2
42.5°	332.0	349.7	375.1	407.2	446.7	495.4	552.9	613.9	664.4	675.9	635.3
45°	302.9	321.2	346.2	378.7	421.2	473.9	533.9	589.3	618.3	597.5	534.7
47.5°	275.8	293.0	316.1	349.7	393.5	448.1	505.8	550.0	552.3	502.7	435.5
50°	257.3	273.2	296.5	330.1	373.5	428.8	480.9	515.8	500.1	443.8	379.3
52.5°	239.2	254.8	277.7	310.9	353.9	404.6	453.1	477.5	448.0	390.2	335.2
55°	213.0	226.7	249.1	279.8	320.6	367.6	408.8	417.2	378.9	322.1	277.3
57.5°	187.5	200.2	220.6	248.9	286.2	327.8	360.1	358.2	317.7	268.9	233.4
60°	170.2	182.5	200.7	228.3	262.3	298.2	325.7	319.1	279.0	236.9	207.1
62.5°	154.7	165.8	182.9	207.1	238.1	271.3	293.9	284.2	244.9	208.1	184.5
65°	131.9	141.2	155.8	176.4	202.2	229.5	247.1	234.5	200.9	172.3	153.3
67.5°	110.0	117.5	129.7	146.2	168.2	190.2	200.8	188.2	161.3	140.4	126.4
70°	96.2	102.8	112.3	126.9	146.1	164.6	172.6	161.3	138.2	120.3	110.2
72.5°	82.4	87.8	96.1	109.3	124.7	140.7	147.8	137.0	118.0	102.8	93.5
75°	63.7	67.4	73.1	82.2	94.3	107.2	111.0	101.6	89.4	78.1	71.9
77.5°	45.6	48.7	53.1	58.8	67.4	75.5	78.9	73.5	64.1	56.9	51.8
80°	35.0	36.6	40.4	45.1	51.9	57.1	59.3	55.8	49.2	43.9	39.9
82.5°	25.0	26.7	28.8	32.7	37.1	40.6	43.0	40.7	35.9	31.7	29.4
85°	12.1	13.2	14.4	16.1	19.4	21.4	21.2	19.8	17.9	16.3	15.1
87.5°	4.5	4.8	5.4	6.4	7.0	7.8	8.3	8.1	7.6	7.1	6.8
90°	1.2	1.9	2.6	3.3	3.9	4.5	5.2	5.8	6.5	7.0	7.4
92.5°	10.3	10.8	11.3	11.8	12.4	13.2	14.0	14.7	15.5	16.1	16.7
95°	26.5	26.7	26.8	27.0	27.6	28.4	29.3	30.2	31.1	31.7	32.4
97.5°	43.7	43.8	43.9	44.0	44.6	45.8	47.1	48.3	49.6	50.1	50.7
100°	56.6	56.6	56.6	56.6	57.2	58.3	59.5	60.6	61.8	62.7	63.5
102.5°	70.8	71.2	71.6	72.0	72.4	73.0	73.6	74.2	74.7	75.6	76.5
105°	92.6	93.0	93.5	94.0	94.4	95.0	95.5	96.0	96.6	97.1	97.6
107.5°	116.5	117.0	117.4	117.9	118.3	118.7	119.1	119.6	119.9	120.2	120.5
110°	133.0	133.5	133.9	134.4	134.7	135.0	135.3	135.5	135.8	136.1	136.3



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	149.6	149.8	150.1	150.3	150.6	151.0	151.3	151.6	151.9	152.1	152.2
115°	174.5	175.0	175.3	175.7	175.9	176.1	176.3	176.5	176.6	176.6	176.5
117.5°	199.2	199.4	199.6	199.7	199.9	200.1	200.2	200.4	200.5	200.6	200.7
120°	215.1	215.5	216.0	216.4	216.7	216.8	216.9	217.0	217.0	217.0	217.0
122.5°	231.6	231.8	231.9	232.0	232.3	232.5	232.7	233.0	233.2	233.1	233.1
125°	254.8	255.3	255.8	256.4	256.7	256.8	256.9	257.0	257.1	256.9	256.7
127.5°	278.7	279.1	279.4	279.7	279.9	280.0	280.1	280.2	280.4	280.3	280.2
130°	293.5	293.9	294.4	294.8	295.2	295.3	295.5	295.7	295.9	295.8	295.7
132.5°	308.3	309.1	309.8	310.5	310.9	310.9	310.8	310.8	310.7	310.6	310.5
135°	331.2	331.7	332.3	332.8	333.1	333.1	333.2	333.3	333.4	333.4	333.4
137.5°	352.8	353.3	353.8	354.4	354.7	354.9	355.1	355.3	355.5	355.6	355.7
140°	366.6	367.0	367.5	367.9	368.4	368.6	368.9	369.2	369.4	369.6	369.8
142.5°	380.4	380.8	381.2	381.6	381.9	382.3	382.6	383.0	383.3	383.4	383.5
145°	400.9	401.3	401.6	402.0	402.3	402.5	402.8	403.1	403.3	403.3	403.3
147.5°	419.6	419.8	420.0	420.3	420.4	420.6	420.9	421.1	421.3	421.5	421.7
150°	431.9	431.9	431.8	431.7	431.9	432.2	432.6	432.9	433.3	433.3	433.3
152.5°	442.6	442.6	442.7	442.9	443.0	443.2	443.4	443.4	443.6	443.8	444.1
155°	458.3	458.3	458.3	458.3	458.3	458.4	458.5	458.6	458.7	459.1	459.4
157.5°	472.3	472.2	472.0	471.7	471.7	471.8	471.9	472.0	472.1	472.4	472.8
160°	480.7	480.4	480.1	479.8	479.7	479.8	479.9	480.0	480.1	480.5	480.9
162.5°	488.2	488.0	487.8	487.6	487.5	487.5	487.5	487.6	487.6	488.0	488.5
165°	498.1	497.9	497.8	497.6	497.6	497.7	497.8	497.8	497.9	498.3	498.6
167.5°	506.4	506.0	505.7	505.3	505.2	505.2	505.2	505.2	505.2	505.7	506.2
170°	510.9	510.5	510.1	509.8	509.6	509.6	509.6	509.6	509.6	510.1	510.7
172.5°	514.2	513.8	513.4	513.1	512.9	512.9	512.9	512.9	512.9	513.4	514.0
175°	517.7	517.4	517.0	516.7	516.5	516.5	516.5	516.5	516.5	517.0	517.5
177.5°	519.7	519.4	519.2	518.8	518.6	518.6	518.5	518.4	518.4	518.8	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	507.7	509.0	511.8	510.9	512.1	512.8	513.4
5°	548.7	555.3	558.2	557.8	562.1	561.1	560.0
7.5°	595.0	601.9	605.8	610.6	613.4	613.7	616.1
10°	621.3	630.3	634.0	639.2	642.5	644.4	644.1
12.5°	641.3	648.5	656.7	659.2	663.7	666.1	665.2
15°	665.6	676.9	685.5	689.8	695.4	697.1	699.3
17.5°	687.2	702.3	712.4	725.9	730.9	734.1	732.2
20°	703.5	723.4	733.5	749.6	758.5	763.2	761.5
22.5°	722.7	744.4	763.0	776.9	790.4	796.8	798.2
25°	755.8	785.4	812.9	831.2	847.8	851.8	860.4
27.5°	792.7	827.7	857.0	876.3	887.9	892.2	895.0
30°	815.9	850.8	872.8	885.2	888.9	888.5	888.1
32.5°	827.3	849.1	853.4	849.9	841.4	834.2	826.7
35°	811.2	795.0	770.6	739.3	716.2	692.9	690.6
37.5°	729.6	677.5	637.0	591.8	565.8	549.7	538.5
40°	652.7	593.6	544.6	506.5	479.9	469.4	459.1
42.5°	569.4	512.8	469.4	437.6	417.6	405.9	397.8
45°	462.5	412.7	378.7	355.6	339.7	330.7	325.6
47.5°	379.1	342.1	313.3	296.6	285.7	278.7	278.7
50°	334.2	299.0	279.8	266.6	257.2	251.6	252.6
52.5°	294.4	268.1	251.8	240.8	233.7	230.3	230.2
55°	246.2	227.3	216.6	208.5	203.8	199.8	200.7
57.5°	210.6	194.7	187.4	180.7	177.5	175.9	173.6
60°	188.5	176.2	170.0	164.6	161.3	160.1	157.8
62.5°	168.9	159.2	153.2	148.8	145.9	145.4	143.7
65°	142.0	134.6	129.2	127.2	124.0	123.2	123.2
67.5°	117.0	111.7	107.5	105.7	104.3	104.5	103.5
70°	101.4	97.0	94.3	92.3	91.3	91.5	90.7
72.5°	88.7	83.8	81.5	80.3	78.9	79.5	79.1
75°	67.1	64.7	63.5	62.2	61.4	61.0	60.5
77.5°	49.3	47.2	46.2	45.5	45.7	44.6	45.4
80°	38.1	36.3	35.7	34.6	34.4	34.4	34.2
82.5°	27.9	26.8	26.4	25.6	25.1	25.5	25.0
85°	14.4	13.6	13.4	13.4	13.0	12.6	13.6
87.5°	6.9	6.2	6.3	6.2	6.2	6.2	5.9
90°	7.8	8.3	8.6	8.9	9.2	9.5	9.7
92.5°	17.3	17.9	18.3	18.5	18.6	18.9	19.1
95°	33.0	33.6	34.1	34.2	34.4	34.6	34.8
97.5°	51.4	51.9	52.3	52.3	52.5	52.6	52.7
100°	64.3	65.1	65.5	65.7	65.9	66.1	66.3
102.5°	77.4	78.3	78.8	79.1	79.4	79.6	79.9
105°	98.2	98.7	99.2	99.4	99.7	100.0	100.2
107.5°	120.7	121.0	121.2	121.2	121.1	121.1	121.1
110°	136.6	136.9	137.0	136.9	136.8	136.7	136.6



TEST NUMBER: P333341-940

CATALOG NUMBER: S125DIW-S375D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	152.3	152.5	152.5	152.3	152.1	151.9	151.8
115°	176.4	176.3	176.2	176.1	176.0	175.9	175.8
117.5°	200.7	200.8	200.7	200.4	200.0	199.6	199.2
120°	217.0	217.0	216.9	216.5	216.2	215.8	215.4
122.5°	233.0	232.9	232.7	232.5	232.2	231.8	231.6
125°	256.5	256.4	256.2	256.1	256.0	255.9	255.8
127.5°	280.1	280.0	279.8	279.6	279.5	279.3	279.1
130°	295.6	295.5	295.3	295.2	295.0	294.8	294.6
132.5°	310.4	310.3	310.2	310.0	309.7	309.4	309.2
135°	333.4	333.4	333.2	332.9	332.5	332.2	331.8
137.5°	355.8	356.0	355.8	355.3	354.9	354.4	353.9
140°	370.0	370.1	370.0	369.5	369.1	368.6	368.2
142.5°	383.6	383.7	383.5	383.1	382.6	382.2	381.7
145°	403.3	403.3	403.2	403.0	402.7	402.4	402.2
147.5°	422.0	422.1	422.0	421.3	420.7	420.1	419.5
150°	433.3	433.3	433.2	433.0	432.8	432.7	432.5
152.5°	444.3	444.4	444.4	444.1	443.8	443.4	443.1
155°	459.8	460.1	460.1	459.7	459.2	458.8	458.3
157.5°	473.1	473.5	473.4	472.8	472.2	471.6	471.0
160°	481.3	481.6	481.5	481.1	480.6	480.2	479.7
162.5°	488.8	489.3	489.3	488.7	488.2	487.7	487.1
165°	499.0	499.4	499.3	498.7	498.2	497.7	497.1
167.5°	506.8	507.3	507.3	506.7	506.1	505.6	505.1
170°	511.2	511.8	511.8	511.1	510.5	509.9	509.3
172.5°	514.5	515.1	515.1	514.4	513.9	513.4	512.8
175°	518.2	518.7	518.6	518.0	517.4	516.7	516.1
177.5°	519.7	520.1	520.0	519.6	519.1	518.5	518.1
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3

(END OF REPORT)