

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: P333341-840

Luminaire Tested: **S125DIW-S375D470U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333341-840
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-S375D470U840-4F0-1E-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: 3193.9 lumens
Efficiency: N/A
Efficacy: 138.9 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

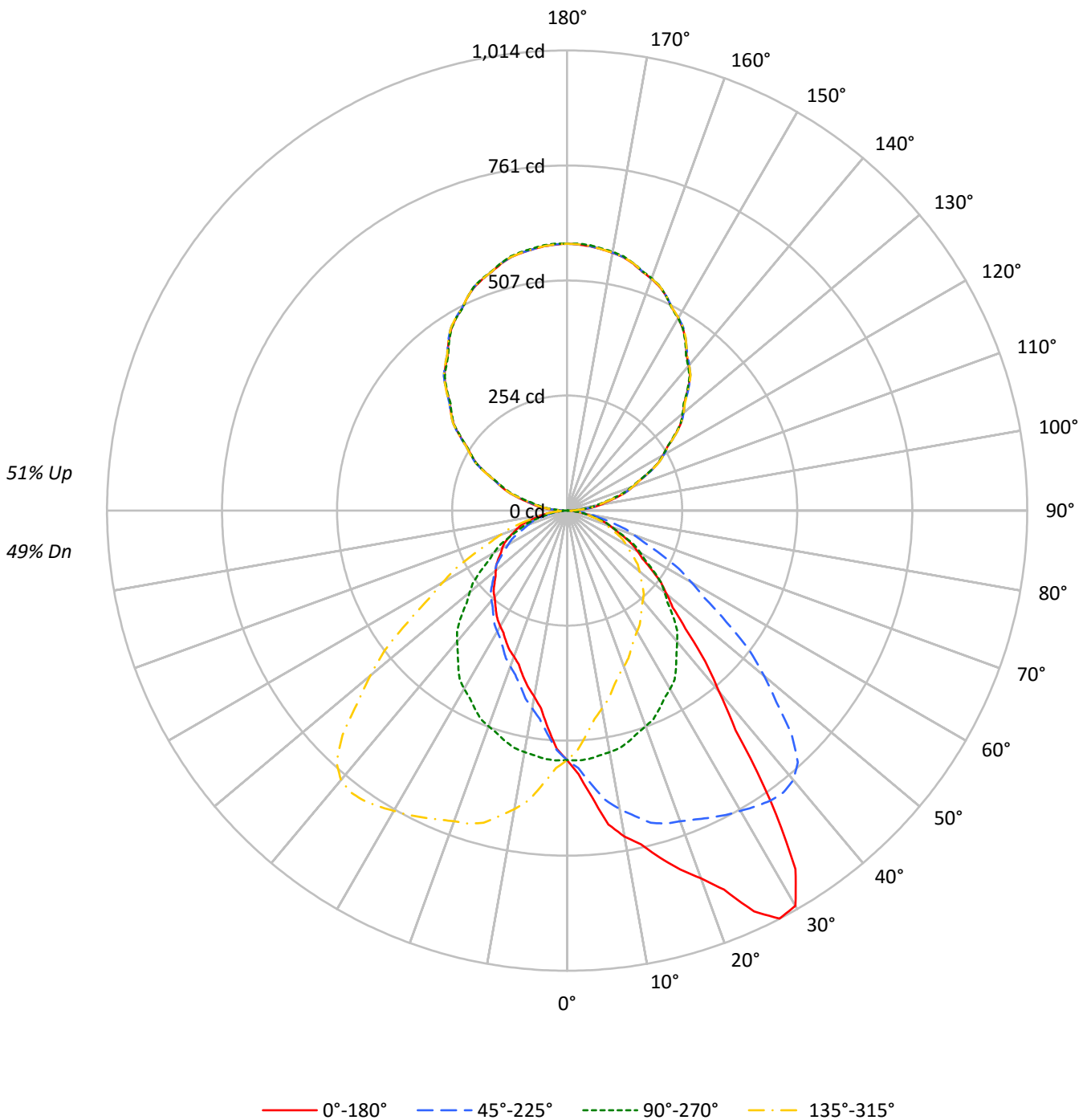
Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3551	3551	3551	3551
5°	4112	3563	3120	3563
10°	4783	3545	2733	3545
15°	5295	3518	2521	3518
20°	5927	3477	2351	3477
25°	6944	3430	2268	3430
30°	7500	3384	2196	3384
35°	6166	3299	2149	3299
40°	4383	3179	2097	3179
45°	3368	3018	2067	3018
50°	2875	2817	2063	2817
55°	2559	2622	2081	2622
60°	2308	2408	2134	2408
65°	2133	2193	2190	2193
70°	1939	1969	2221	1969
75°	1712	1737	2201	1737
80°	1443	1417	2012	1417
85°	1149	1015	1623	1015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.7
10°-20°	157.6	4.9
20°-30°	255.9	8.0
30°-40°	312.1	9.8
40°-50°	283.9	8.9
50°-60°	226.2	7.1
60°-70°	157.5	4.9
70°-80°	84.0	2.6
80°-90°	22.5	0.7
90°-100°	39.4	1.2
100°-110°	116.3	3.6
110°-120°	197.1	6.2
120°-130°	259.3	8.1
130°-140°	290.6	9.1
140°-150°	284.8	8.9
150°-160°	239.2	7.5
160°-170°	159.0	5.0
170°-180°	55.6	1.7
0°-30°	466.4	14.6
0°-40°	778.5	24.4
0°-60°	1288.6	40.3
0°-90°	1552.6	48.6
90°-120°	352.8	11.0
90°-150°	1187.4	37.2
90°-180°	1641.0	51.4
0°-180°	3193.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	550	550	550	550	550	
5°	634	550	481	550	634	64
15°	792	526	377	526	792	227
25°	974	481	318	481	974	445
35°	782	418	273	418	782	479
45°	369	330	226	330	369	295
55°	227	233	185	233	227	205
65°	140	144	143	144	140	138
75°	69	70	88	70	69	74
85°	16	14	22	14	16	18
90°	11	0	11	0	11	7
95°	39	30	39	30	39	40
105°	114	104	114	104	114	120
115°	199	197	199	197	199	197
125°	290	288	290	288	290	259
135°	376	374	376	374	376	290
145°	455	454	455	454	455	284
155°	519	519	519	519	519	239
165°	563	564	563	564	563	159
175°	584	587	584	587	584	56
180°	588	588	588	588	588	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	581.5	580.8	580.0	578.6	579.7	576.4	575.0	572.4	569.2	568.0	566.7
5°	634.2	635.4	636.6	631.7	632.2	628.8	621.4	615.3	610.5	604.1	599.7
7.5°	697.7	695.0	694.7	691.6	686.1	681.7	673.9	663.9	654.2	643.2	634.1
10°	729.4	729.7	727.6	723.9	718.0	713.8	703.6	693.8	681.9	667.8	657.8
12.5°	753.4	754.4	751.6	746.6	743.8	734.4	726.3	714.7	700.5	689.3	674.1
15°	791.9	789.4	787.6	781.2	776.4	766.6	753.8	741.5	726.2	712.0	697.7
17.5°	829.2	831.3	827.8	822.0	806.8	795.4	778.2	761.5	742.4	723.3	706.3
20°	862.4	864.3	859.0	848.9	830.7	819.3	796.7	775.2	753.1	728.5	709.8
22.5°	903.9	902.4	895.1	879.9	864.1	843.0	818.5	792.3	764.6	736.9	712.1
25°	974.4	964.6	960.2	941.3	920.6	889.5	856.0	817.7	783.2	746.5	714.8
27.5°	1013.6	1010.5	1005.5	992.4	970.6	937.4	897.8	851.1	802.4	756.2	714.6
30°	1005.7	1006.2	1006.6	1002.5	988.5	963.5	924.0	873.9	816.0	764.0	715.9
32.5°	936.2	944.7	952.9	962.5	966.4	961.6	937.0	891.6	832.0	773.0	715.2
35°	782.1	784.8	811.1	837.3	872.7	900.3	918.7	898.6	848.5	780.5	714.3
37.5°	609.9	622.5	640.8	670.2	721.4	767.3	826.3	853.3	837.2	783.0	712.7
40°	519.9	531.6	543.5	573.6	616.7	672.3	739.2	796.4	809.7	775.2	707.0
42.5°	450.5	459.7	472.9	495.5	531.6	580.8	644.8	719.5	765.5	752.5	695.3
45°	368.7	374.6	384.8	402.7	428.9	467.4	523.8	605.5	676.7	700.2	667.4
47.5°	315.6	315.6	323.6	335.9	354.8	387.5	429.3	493.2	569.3	625.5	622.9
50°	286.1	284.9	291.2	301.9	316.9	338.6	378.5	429.6	502.6	566.3	584.1
52.5°	260.6	260.8	264.7	272.7	285.2	303.7	333.5	379.6	441.9	507.4	540.8
55°	227.3	226.3	230.8	236.1	245.3	257.4	278.8	314.1	364.8	429.1	472.5
57.5°	196.6	199.2	201.0	204.7	212.3	220.5	238.5	264.4	304.6	359.8	405.7
60°	178.7	181.3	182.7	186.4	192.5	199.5	213.5	234.5	268.3	316.0	361.4
62.5°	162.7	164.7	165.2	168.5	173.5	180.3	191.3	208.9	235.7	277.3	321.8
65°	139.6	139.6	140.5	144.0	146.3	152.4	160.8	173.6	195.1	227.5	265.6
67.5°	117.2	118.4	118.2	119.7	121.8	126.5	132.5	143.1	159.1	182.7	213.2
70°	102.7	103.6	103.4	104.5	106.8	109.9	114.8	124.8	136.2	156.5	182.7
72.5°	89.6	90.0	89.4	90.9	92.3	94.9	100.5	105.8	116.4	133.6	155.1
75°	68.6	69.1	69.6	70.5	71.9	73.3	76.0	81.4	88.5	101.3	115.0
77.5°	51.4	50.5	51.7	51.5	52.3	53.4	55.8	58.7	64.4	72.6	83.2
80°	38.8	39.0	39.0	39.2	40.4	41.1	43.1	45.2	49.7	55.7	63.2
82.5°	28.3	28.9	28.5	29.0	29.9	30.4	31.6	33.3	35.9	40.7	46.0
85°	15.5	14.2	14.7	15.1	15.1	15.5	16.4	17.1	18.5	20.3	22.4
87.5°	6.7	7.0	7.1	7.1	7.2	7.1	7.8	7.7	8.1	8.6	9.2
90°	11.0	10.7	10.4	10.1	9.8	9.4	8.9	8.4	7.9	7.4	6.6
92.5°	21.6	21.4	21.1	20.9	20.7	20.3	19.6	18.9	18.3	17.6	16.7
95°	39.4	39.2	39.0	38.8	38.6	38.1	37.4	36.7	36.0	35.2	34.2
97.5°	59.7	59.6	59.5	59.3	59.2	58.8	58.2	57.5	56.8	56.1	54.7
100°	75.0	74.8	74.6	74.4	74.2	73.7	72.8	71.9	71.0	70.0	68.7
102.5°	90.5	90.2	89.9	89.6	89.3	88.7	87.7	86.6	85.6	84.6	84.0
105°	113.5	113.2	112.9	112.6	112.3	111.8	111.2	110.6	110.0	109.4	108.8
107.5°	137.1	137.1	137.1	137.2	137.2	137.0	136.7	136.4	136.1	135.8	135.4
110°	154.7	154.8	154.9	155.0	155.1	155.0	154.7	154.4	154.1	153.8	153.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	171.9	172.1	172.3	172.5	172.7	172.7	172.5	172.4	172.3	172.1	171.7
115°	199.1	199.2	199.3	199.4	199.5	199.7	199.8	199.9	200.0	200.1	199.9
117.5°	225.6	226.0	226.5	226.9	227.3	227.4	227.3	227.3	227.2	227.1	226.9
120°	244.0	244.4	244.8	245.2	245.6	245.8	245.8	245.8	245.8	245.8	245.7
122.5°	262.3	262.6	263.0	263.3	263.6	263.8	263.9	264.0	264.0	264.1	263.9
125°	289.7	289.8	289.9	290.0	290.1	290.3	290.5	290.7	290.9	291.1	291.0
127.5°	316.1	316.3	316.5	316.7	316.9	317.1	317.2	317.3	317.4	317.5	317.3
130°	333.7	333.9	334.1	334.3	334.5	334.7	334.8	334.9	335.0	335.1	334.9
132.5°	350.1	350.4	350.7	351.0	351.3	351.4	351.5	351.6	351.7	351.8	351.9
135°	375.8	376.2	376.6	377.0	377.4	377.6	377.6	377.6	377.6	377.6	377.5
137.5°	400.8	401.3	401.9	402.4	402.9	403.1	402.9	402.8	402.7	402.6	402.3
140°	417.0	417.5	418.0	418.5	419.0	419.2	419.0	418.8	418.6	418.4	418.1
142.5°	432.3	432.8	433.3	433.8	434.3	434.5	434.4	434.3	434.2	434.1	433.7
145°	455.4	455.8	456.1	456.4	456.7	456.8	456.8	456.8	456.8	456.8	456.5
147.5°	475.1	475.7	476.5	477.2	477.9	478.1	477.9	477.6	477.4	477.2	476.9
150°	489.8	490.0	490.2	490.4	490.6	490.7	490.7	490.7	490.7	490.7	490.3
152.5°	501.8	502.2	502.6	502.9	503.3	503.3	503.1	502.9	502.6	502.4	502.2
155°	519.1	519.6	520.1	520.6	521.1	521.1	520.7	520.3	519.9	519.5	519.4
157.5°	533.4	534.1	534.7	535.4	536.1	536.2	535.8	535.4	535.0	534.6	534.5
160°	543.3	543.8	544.3	544.8	545.3	545.4	545.0	544.6	544.2	543.7	543.6
162.5°	551.7	552.3	552.9	553.5	554.1	554.1	553.6	553.2	552.7	552.2	552.2
165°	563.0	563.6	564.2	564.8	565.4	565.5	565.1	564.7	564.3	563.9	563.8
167.5°	572.0	572.6	573.2	573.8	574.5	574.5	573.9	573.3	572.7	572.1	572.1
170°	576.7	577.4	578.1	578.9	579.6	579.7	579.0	578.3	577.7	577.1	577.1
172.5°	580.8	581.4	582.0	582.6	583.3	583.3	582.7	582.1	581.5	580.9	580.9
175°	584.5	585.2	585.9	586.6	587.3	587.4	586.8	586.1	585.5	584.9	584.9
177.5°	586.7	587.2	587.8	588.4	589.0	589.1	588.5	588.0	587.5	587.0	587.1
180°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	565.6	564.3	562.8	560.2	557.0	555.3	552.8	551.1	547.8	544.9	541.9
5°	594.3	588.2	582.7	575.4	567.5	562.4	556.3	549.6	542.5	535.3	527.4
7.5°	624.1	613.3	601.7	589.2	576.8	565.5	554.7	544.2	534.3	522.3	512.2
10°	644.0	630.5	616.0	599.1	582.4	567.9	553.3	540.5	527.4	513.4	501.0
12.5°	664.0	646.0	625.5	606.8	586.9	569.5	552.2	535.7	519.4	503.8	489.4
15°	678.1	662.3	643.4	616.7	594.3	570.3	547.4	526.2	506.3	489.1	470.9
17.5°	687.4	666.9	646.6	621.2	591.8	564.9	539.0	514.6	492.3	470.4	452.9
20°	689.0	668.0	646.8	621.9	591.8	561.0	535.0	505.9	481.9	459.2	437.8
22.5°	688.5	664.7	641.6	615.9	586.5	558.2	526.8	497.2	471.0	448.8	426.4
25°	683.3	657.8	628.8	603.0	574.0	543.9	512.2	481.4	454.8	429.4	407.2
27.5°	678.8	645.9	613.1	582.9	554.9	527.4	497.0	465.4	436.0	410.2	389.3
30°	673.5	637.2	600.4	568.9	540.2	513.4	484.6	453.8	423.0	397.9	375.5
32.5°	668.6	626.4	587.5	553.2	522.8	496.8	470.3	441.0	410.7	385.2	362.7
35°	659.2	610.5	565.8	527.1	494.7	467.9	445.7	418.4	390.6	365.9	344.5
37.5°	647.3	589.5	541.6	501.0	465.4	437.2	416.6	395.6	368.9	345.1	325.7
40°	637.9	574.5	523.8	482.3	445.5	416.1	396.9	377.1	355.0	332.8	312.3
42.5°	626.2	561.1	505.9	461.2	424.7	396.1	376.0	359.2	339.6	318.9	299.9
45°	604.6	536.7	477.0	428.9	392.0	363.8	343.1	330.4	315.7	296.1	280.0
47.5°	572.8	507.5	445.7	396.1	358.0	331.8	312.4	300.2	289.9	275.4	260.7
50°	544.6	485.6	423.0	373.9	335.8	309.4	291.4	280.4	271.7	260.4	248.0
52.5°	513.1	458.2	400.8	352.1	314.5	288.5	270.9	261.3	253.9	245.9	233.7
55°	462.9	416.3	363.0	316.9	282.2	256.7	241.3	232.9	226.8	220.8	213.3
57.5°	407.8	371.2	324.2	281.9	249.8	226.7	212.4	204.2	199.4	196.3	192.0
60°	368.9	337.7	297.1	258.5	227.3	206.7	192.8	186.4	182.5	180.0	176.6
62.5°	332.9	307.2	269.6	234.5	207.1	187.7	175.2	169.1	165.3	164.0	161.4
65°	279.8	259.9	228.9	199.8	176.4	159.9	149.4	143.5	141.2	139.8	140.0
67.5°	227.4	215.4	190.5	165.6	146.9	133.1	124.6	120.2	119.0	117.1	117.1
70°	195.5	186.4	165.4	143.7	127.1	116.4	109.0	104.3	103.1	102.2	102.0
72.5°	167.3	159.4	141.2	123.8	108.9	99.5	93.3	90.5	88.6	88.1	88.0
75°	125.7	121.4	106.8	93.1	82.8	76.3	72.1	69.6	68.2	67.9	68.2
77.5°	89.4	85.5	76.3	66.6	60.1	55.1	51.6	50.7	49.2	49.2	49.0
80°	67.2	64.6	58.8	51.1	45.7	41.5	39.7	38.1	37.6	36.9	37.6
82.5°	48.7	45.9	42.0	37.1	32.6	30.2	28.3	27.8	27.5	27.2	27.3
85°	24.0	24.2	21.9	18.2	16.4	14.9	13.7	13.7	13.5	13.3	13.5
87.5°	9.4	8.9	8.0	7.3	6.2	5.5	5.2	5.2	4.7	4.7	5.0
90°	5.9	5.2	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	15.9	14.9	14.0	13.3	12.8	12.2	11.6	11.1	11.6	12.2	12.8
95°	33.2	32.2	31.2	30.6	30.4	30.2	30.0	29.8	30.0	30.2	30.4
97.5°	53.3	51.9	50.5	49.8	49.7	49.6	49.5	49.4	49.5	49.6	49.7
100°	67.4	66.0	64.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
102.5°	83.3	82.7	82.0	81.5	81.1	80.7	80.2	79.8	80.2	80.7	81.1
105°	108.2	107.6	106.9	106.4	105.8	105.3	104.8	104.3	104.8	105.3	105.8
107.5°	134.9	134.4	134.0	133.5	133.0	132.5	132.0	131.5	132.0	132.5	133.0
110°	153.2	152.9	152.6	152.2	151.7	151.2	150.7	150.2	150.7	151.2	151.7



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	171.4	171.0	170.6	170.3	170.0	169.7	169.5	169.2	169.5	169.7	170.0
115°	199.7	199.4	199.2	198.9	198.5	198.1	197.6	197.2	197.6	198.1	198.5
117.5°	226.7	226.6	226.4	226.2	226.0	225.8	225.6	225.5	225.6	225.8	226.0
120°	245.6	245.5	245.4	245.1	244.6	244.1	243.6	243.1	243.6	244.1	244.6
122.5°	263.6	263.3	263.1	262.8	262.7	262.5	262.3	262.1	262.3	262.5	262.7
125°	290.9	290.8	290.7	290.3	289.7	289.1	288.5	287.9	288.5	289.1	289.7
127.5°	317.2	317.1	317.0	316.8	316.4	316.1	315.7	315.4	315.7	316.1	316.4
130°	334.7	334.5	334.3	333.9	333.4	332.9	332.3	331.8	332.3	332.9	333.4
132.5°	351.9	352.0	352.0	351.6	350.8	350.0	349.1	348.3	349.1	350.0	350.8
135°	377.4	377.3	377.2	376.9	376.3	375.7	375.1	374.4	375.1	375.7	376.3
137.5°	402.1	401.9	401.7	401.3	400.7	400.1	399.5	398.9	399.5	400.1	400.7
140°	417.8	417.5	417.2	416.7	416.2	415.7	415.2	414.7	415.2	415.7	416.2
142.5°	433.3	432.9	432.5	432.1	431.7	431.3	430.8	430.4	430.8	431.3	431.7
145°	456.2	455.9	455.6	455.2	454.8	454.4	454.0	453.6	454.0	454.4	454.8
147.5°	476.7	476.4	476.2	475.9	475.6	475.4	475.2	475.0	475.2	475.4	475.6
150°	489.9	489.5	489.1	488.9	489.0	489.1	489.2	489.3	489.2	489.1	489.0
152.5°	502.1	501.9	501.7	501.6	501.4	501.3	501.2	501.0	501.2	501.3	501.4
155°	519.3	519.2	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
157.5°	534.4	534.3	534.2	534.2	534.5	534.7	534.9	535.1	534.9	534.7	534.5
160°	543.5	543.4	543.3	543.4	543.7	544.0	544.4	544.7	544.4	544.0	543.7
162.5°	552.1	552.1	552.1	552.2	552.4	552.7	552.9	553.1	552.9	552.7	552.4
165°	563.7	563.6	563.5	563.5	563.7	563.9	564.1	564.3	564.1	563.9	563.7
167.5°	572.1	572.1	572.1	572.3	572.7	573.1	573.5	573.9	573.5	573.1	572.7
170°	577.1	577.1	577.1	577.3	577.7	578.1	578.6	579.0	578.6	578.1	577.7
172.5°	580.9	580.9	580.9	581.1	581.5	581.9	582.3	582.7	582.3	581.9	581.5
175°	584.9	584.9	584.9	585.1	585.5	585.9	586.3	586.8	586.3	585.9	585.5
177.5°	587.2	587.3	587.3	587.5	587.9	588.2	588.5	588.9	588.5	588.2	587.9
180°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	540.3	538.2	536.5	532.8	530.7	528.0	525.7	528.2	525.5	526.6	524.9
5°	523.4	516.8	512.2	505.4	499.6	494.2	490.3	489.6	487.7	486.8	483.9
7.5°	503.1	494.9	487.0	478.1	470.6	463.0	458.2	454.1	451.5	448.0	445.6
10°	491.2	480.2	470.9	460.2	450.8	442.6	436.2	432.8	429.8	425.4	423.7
12.5°	476.5	465.1	453.7	442.2	433.2	424.1	418.6	413.6	411.5	406.6	406.1
15°	458.8	441.7	430.5	418.9	406.5	399.0	394.4	389.0	386.7	383.1	380.6
17.5°	437.7	422.4	408.5	396.4	385.8	379.5	373.7	370.0	366.0	363.7	359.5
20°	422.3	407.9	393.8	381.0	372.8	365.7	361.0	357.5	353.3	352.1	347.9
22.5°	409.5	393.5	380.1	369.3	360.4	352.2	347.2	344.8	341.9	338.3	337.5
25°	388.5	371.9	360.5	349.8	341.8	334.4	330.9	327.9	325.1	322.4	321.5
27.5°	370.4	355.6	342.0	332.3	325.4	318.6	315.6	311.8	309.8	307.7	305.2
30°	357.7	342.5	330.6	321.3	313.9	307.8	304.5	301.9	300.1	298.2	296.8
32.5°	344.7	330.6	319.1	309.9	302.5	297.9	295.0	293.2	291.1	288.9	287.1
35°	327.4	311.9	300.7	292.9	287.0	283.5	280.2	278.6	276.3	276.3	274.4
37.5°	307.9	294.6	284.7	277.5	272.3	269.1	265.6	264.5	263.0	262.0	261.4
40°	296.4	284.0	274.7	267.4	261.9	259.2	256.4	254.6	253.7	252.5	252.1
42.5°	284.4	272.6	263.7	257.0	252.1	249.9	247.3	246.0	244.1	242.6	242.3
45°	266.2	254.8	246.6	241.3	237.1	234.5	232.9	230.0	229.1	227.3	227.0
47.5°	249.0	238.0	230.0	225.6	222.0	219.8	217.3	214.5	213.4	212.5	212.4
50°	236.1	226.1	218.6	214.5	211.0	207.9	205.3	203.5	202.8	202.8	203.3
52.5°	223.1	214.5	208.2	203.1	199.8	196.5	194.1	193.0	192.0	193.1	193.9
55°	204.0	195.3	190.7	185.7	182.5	178.7	177.5	177.1	176.4	178.2	179.3
57.5°	183.7	177.6	172.2	167.3	164.4	162.2	160.7	160.4	161.7	162.6	165.6
60°	170.8	163.8	159.0	155.2	151.7	150.3	149.8	149.4	150.3	152.8	156.8
62.5°	156.6	151.0	145.6	142.9	140.3	137.9	137.8	138.1	140.0	143.0	146.9
65°	135.8	130.9	127.4	124.1	122.0	120.7	121.1	122.0	124.1	128.2	132.5
67.5°	114.6	111.3	108.2	105.5	103.5	103.5	104.0	105.4	107.9	112.4	116.4
70°	101.1	97.4	94.7	93.6	91.9	91.0	92.4	94.7	96.8	101.1	104.5
72.5°	87.5	84.2	82.2	81.4	80.7	80.0	80.5	83.0	85.8	90.0	94.1
75°	67.2	66.0	64.6	63.7	63.0	63.5	63.9	66.2	68.6	73.0	77.7
77.5°	49.1	47.9	47.0	46.8	46.4	46.7	48.0	49.7	51.9	55.1	58.7
80°	37.1	36.7	36.2	36.0	36.0	36.2	38.1	39.2	41.3	44.3	47.2
82.5°	27.1	26.8	26.7	26.6	26.8	26.9	28.0	29.5	31.2	33.5	36.0
85°	14.2	13.7	14.4	14.7	14.2	14.9	15.5	16.4	17.1	18.2	19.4
87.5°	5.5	6.0	5.9	6.3	6.4	6.9	6.8	7.7	8.1	8.6	8.5
90°	3.7	4.4	5.2	5.9	6.6	7.4	7.9	8.4	8.9	9.4	9.8
92.5°	13.3	14.0	14.9	15.9	16.7	17.6	18.3	18.9	19.6	20.3	20.7
95°	30.6	31.2	32.2	33.2	34.2	35.2	36.0	36.7	37.4	38.1	38.6
97.5°	49.8	50.5	51.9	53.3	54.7	56.1	56.8	57.5	58.2	58.8	59.2
100°	64.1	64.7	66.0	67.4	68.7	70.0	71.0	71.9	72.8	73.7	74.2
102.5°	81.5	82.0	82.7	83.3	84.0	84.6	85.6	86.6	87.7	88.7	89.3
105°	106.4	106.9	107.6	108.2	108.8	109.4	110.0	110.6	111.2	111.8	112.3
107.5°	133.5	134.0	134.4	134.9	135.4	135.8	136.1	136.4	136.7	137.0	137.2
110°	152.2	152.6	152.9	153.2	153.5	153.8	154.1	154.4	154.7	155.0	155.1



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	170.3	170.6	171.0	171.4	171.7	172.1	172.3	172.4	172.5	172.7	172.7
115°	198.9	199.2	199.4	199.7	199.9	200.1	200.0	199.9	199.8	199.7	199.5
117.5°	226.2	226.4	226.6	226.7	226.9	227.1	227.2	227.3	227.3	227.4	227.3
120°	245.1	245.4	245.5	245.6	245.7	245.8	245.8	245.8	245.8	245.8	245.6
122.5°	262.8	263.1	263.3	263.6	263.9	264.1	264.0	264.0	263.9	263.8	263.6
125°	290.3	290.7	290.8	290.9	291.0	291.1	290.9	290.7	290.5	290.3	290.1
127.5°	316.8	317.0	317.1	317.2	317.3	317.5	317.4	317.3	317.2	317.1	316.9
130°	333.9	334.3	334.5	334.7	334.9	335.1	335.0	334.9	334.8	334.7	334.5
132.5°	351.6	352.0	352.0	351.9	351.9	351.8	351.7	351.6	351.5	351.4	351.3
135°	376.9	377.2	377.3	377.4	377.5	377.6	377.6	377.6	377.6	377.6	377.4
137.5°	401.3	401.7	401.9	402.1	402.3	402.6	402.7	402.8	402.9	403.1	402.9
140°	416.7	417.2	417.5	417.8	418.1	418.4	418.6	418.8	419.0	419.2	419.0
142.5°	432.1	432.5	432.9	433.3	433.7	434.1	434.2	434.3	434.4	434.5	434.3
145°	455.2	455.6	455.9	456.2	456.5	456.8	456.8	456.8	456.8	456.8	456.7
147.5°	475.9	476.2	476.4	476.7	476.9	477.2	477.4	477.6	477.9	478.1	477.9
150°	488.9	489.1	489.5	489.9	490.3	490.7	490.7	490.7	490.7	490.7	490.6
152.5°	501.6	501.7	501.9	502.1	502.2	502.4	502.6	502.9	503.1	503.3	503.3
155°	519.1	519.1	519.2	519.3	519.4	519.5	519.9	520.3	520.7	521.1	521.1
157.5°	534.2	534.2	534.3	534.4	534.5	534.6	535.0	535.4	535.8	536.2	536.1
160°	543.4	543.3	543.4	543.5	543.6	543.7	544.2	544.6	545.0	545.4	545.3
162.5°	552.2	552.1	552.1	552.1	552.2	552.2	552.7	553.2	553.6	554.1	554.1
165°	563.5	563.5	563.6	563.7	563.8	563.9	564.3	564.7	565.1	565.5	565.4
167.5°	572.3	572.1	572.1	572.1	572.1	572.1	572.7	573.3	573.9	574.5	574.5
170°	577.3	577.1	577.1	577.1	577.1	577.1	577.7	578.3	579.0	579.7	579.6
172.5°	581.1	580.9	580.9	580.9	580.9	580.9	581.5	582.1	582.7	583.3	583.3
175°	585.1	584.9	584.9	584.9	584.9	584.9	585.5	586.1	586.8	587.4	587.3
177.5°	587.5	587.3	587.3	587.2	587.1	587.0	587.5	588.0	588.5	589.1	589.0
180°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	523.8	525.1	524.0	525.5	524.0	525.1	523.8	524.9	526.6	525.5	528.2
5°	482.8	480.7	482.1	481.2	482.1	480.7	482.8	483.9	486.8	487.7	489.6
7.5°	444.9	442.9	440.6	439.5	440.6	442.9	444.9	445.6	448.0	451.5	454.1
10°	421.2	418.6	418.4	416.8	418.4	418.6	421.2	423.7	425.4	429.8	432.8
12.5°	403.8	401.4	398.8	398.1	398.8	401.4	403.8	406.1	406.6	411.5	413.6
15°	379.2	377.3	375.7	377.1	375.7	377.3	379.2	380.6	383.1	386.7	389.0
17.5°	358.7	357.2	356.9	355.2	356.9	357.2	358.7	359.5	363.7	366.0	370.0
20°	345.8	344.7	345.2	342.0	345.2	344.7	345.8	347.9	352.1	353.3	357.5
22.5°	335.6	333.3	333.0	332.3	333.0	333.3	335.6	337.5	338.3	341.9	344.8
25°	319.4	318.3	317.1	318.3	317.1	318.3	319.4	321.5	322.4	325.1	327.9
27.5°	305.4	304.0	303.7	303.9	303.7	304.0	305.4	305.2	307.7	309.8	311.8
30°	296.8	294.5	294.7	294.5	294.7	294.5	296.8	296.8	298.2	300.1	301.9
32.5°	287.5	285.9	285.6	285.2	285.6	285.9	287.5	287.1	288.9	291.1	293.2
35°	273.7	273.7	272.6	272.6	272.6	273.7	273.7	274.4	276.3	276.3	278.6
37.5°	260.7	260.5	259.8	259.9	259.8	260.5	260.7	261.4	262.0	263.0	264.5
40°	251.1	250.9	250.1	248.7	250.1	250.9	251.1	252.1	252.5	253.7	254.6
42.5°	241.8	241.0	240.7	240.1	240.7	241.0	241.8	242.3	242.6	244.1	246.0
45°	227.0	227.0	226.6	226.3	226.6	227.0	227.0	227.0	227.3	229.1	230.0
47.5°	212.8	213.2	214.1	213.9	214.1	213.2	212.8	212.4	212.5	213.4	214.5
50°	204.2	204.4	205.1	205.3	205.1	204.4	204.2	203.3	202.8	202.8	203.5
52.5°	194.7	196.0	196.9	196.7	196.9	196.0	194.7	193.9	193.1	192.0	193.0
55°	181.3	183.0	184.6	184.8	184.6	183.0	181.3	179.3	178.2	176.4	177.1
57.5°	168.1	170.4	172.1	172.7	172.1	170.4	168.1	165.6	162.6	161.7	160.4
60°	159.2	162.2	164.3	165.2	164.3	162.2	159.2	156.8	152.8	150.3	149.4
62.5°	150.6	154.0	156.0	156.2	156.0	154.0	150.6	146.9	143.0	140.0	138.1
65°	136.5	140.0	141.9	143.3	141.9	140.0	136.5	132.5	128.2	124.1	122.0
67.5°	121.4	124.9	126.9	128.1	126.9	124.9	121.4	116.4	112.4	107.9	105.4
70°	110.4	113.9	116.6	117.6	116.6	113.9	110.4	104.5	101.1	96.8	94.7
72.5°	99.6	102.7	104.9	106.0	104.9	102.7	99.6	94.1	90.0	85.8	83.0
75°	80.7	84.9	87.1	88.2	87.1	84.9	80.7	77.7	73.0	68.6	66.2
77.5°	62.2	66.0	67.4	68.0	67.4	66.0	62.2	58.7	55.1	51.9	49.7
80°	49.9	52.3	53.9	54.1	53.9	52.3	49.9	47.2	44.3	41.3	39.2
82.5°	38.4	40.3	40.8	41.4	40.8	40.3	38.4	36.0	33.5	31.2	29.5
85°	21.0	21.9	22.2	21.9	22.2	21.9	21.0	19.4	18.2	17.1	16.4
87.5°	8.9	8.8	8.9	9.3	8.9	8.8	8.9	8.5	8.6	8.1	7.7
90°	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.4	8.9	8.4
92.5°	20.9	21.1	21.4	21.6	21.4	21.1	20.9	20.7	20.3	19.6	18.9
95°	38.8	39.0	39.2	39.4	39.2	39.0	38.8	38.6	38.1	37.4	36.7
97.5°	59.3	59.5	59.6	59.7	59.6	59.5	59.3	59.2	58.8	58.2	57.5
100°	74.4	74.6	74.8	75.0	74.8	74.6	74.4	74.2	73.7	72.8	71.9
102.5°	89.6	89.9	90.2	90.5	90.2	89.9	89.6	89.3	88.7	87.7	86.6
105°	112.6	112.9	113.2	113.5	113.2	112.9	112.6	112.3	111.8	111.2	110.6
107.5°	137.2	137.1	137.1	137.1	137.1	137.1	137.2	137.2	137.0	136.7	136.4
110°	155.0	154.9	154.8	154.7	154.8	154.9	155.0	155.1	155.0	154.7	154.4



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	172.5	172.3	172.1	171.9	172.1	172.3	172.5	172.7	172.7	172.5	172.4
115°	199.4	199.3	199.2	199.1	199.2	199.3	199.4	199.5	199.7	199.8	199.9
117.5°	226.9	226.5	226.0	225.6	226.0	226.5	226.9	227.3	227.4	227.3	227.3
120°	245.2	244.8	244.4	244.0	244.4	244.8	245.2	245.6	245.8	245.8	245.8
122.5°	263.3	263.0	262.6	262.3	262.6	263.0	263.3	263.6	263.8	263.9	264.0
125°	290.0	289.9	289.8	289.7	289.8	289.9	290.0	290.1	290.3	290.5	290.7
127.5°	316.7	316.5	316.3	316.1	316.3	316.5	316.7	316.9	317.1	317.2	317.3
130°	334.3	334.1	333.9	333.7	333.9	334.1	334.3	334.5	334.7	334.8	334.9
132.5°	351.0	350.7	350.4	350.1	350.4	350.7	351.0	351.3	351.4	351.5	351.6
135°	377.0	376.6	376.2	375.8	376.2	376.6	377.0	377.4	377.6	377.6	377.6
137.5°	402.4	401.9	401.3	400.8	401.3	401.9	402.4	402.9	403.1	402.9	402.8
140°	418.5	418.0	417.5	417.0	417.5	418.0	418.5	419.0	419.2	419.0	418.8
142.5°	433.8	433.3	432.8	432.3	432.8	433.3	433.8	434.3	434.5	434.4	434.3
145°	456.4	456.1	455.8	455.4	455.8	456.1	456.4	456.7	456.8	456.8	456.8
147.5°	477.2	476.5	475.7	475.1	475.7	476.5	477.2	477.9	478.1	477.9	477.6
150°	490.4	490.2	490.0	489.8	490.0	490.2	490.4	490.6	490.7	490.7	490.7
152.5°	502.9	502.6	502.2	501.8	502.2	502.6	502.9	503.3	503.3	503.1	502.9
155°	520.6	520.1	519.6	519.1	519.6	520.1	520.6	521.1	521.1	520.7	520.3
157.5°	535.4	534.7	534.1	533.4	534.1	534.7	535.4	536.1	536.2	535.8	535.4
160°	544.8	544.3	543.8	543.3	543.8	544.3	544.8	545.3	545.4	545.0	544.6
162.5°	553.5	552.9	552.3	551.7	552.3	552.9	553.5	554.1	554.1	553.6	553.2
165°	564.8	564.2	563.6	563.0	563.6	564.2	564.8	565.4	565.5	565.1	564.7
167.5°	573.8	573.2	572.6	572.0	572.6	573.2	573.8	574.5	574.5	573.9	573.3
170°	578.9	578.1	577.4	576.7	577.4	578.1	578.9	579.6	579.7	579.0	578.3
172.5°	582.6	582.0	581.4	580.8	581.4	582.0	582.6	583.3	583.3	582.7	582.1
175°	586.6	585.9	585.2	584.5	585.2	585.9	586.6	587.3	587.4	586.8	586.1
177.5°	588.4	587.8	587.2	586.7	587.2	587.8	588.4	589.0	589.1	588.5	588.0
180°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	525.7	528.0	530.7	532.8	536.5	538.2	540.3	541.9	544.9	547.8	551.1
5°	490.3	494.2	499.6	505.4	512.2	516.8	523.4	527.4	535.3	542.5	549.6
7.5°	458.2	463.0	470.6	478.1	487.0	494.9	503.1	512.2	522.3	534.3	544.2
10°	436.2	442.6	450.8	460.2	470.9	480.2	491.2	501.0	513.4	527.4	540.5
12.5°	418.6	424.1	433.2	442.2	453.7	465.1	476.5	489.4	503.8	519.4	535.7
15°	394.4	399.0	406.5	418.9	430.5	441.7	458.8	470.9	489.1	506.3	526.2
17.5°	373.7	379.5	385.8	396.4	408.5	422.4	437.7	452.9	470.4	492.3	514.6
20°	361.0	365.7	372.8	381.0	393.8	407.9	422.3	437.8	459.2	481.9	505.9
22.5°	347.2	352.2	360.4	369.3	380.1	393.5	409.5	426.4	448.8	471.0	497.2
25°	330.9	334.4	341.8	349.8	360.5	371.9	388.5	407.2	429.4	454.8	481.4
27.5°	315.6	318.6	325.4	332.3	342.0	355.6	370.4	389.3	410.2	436.0	465.4
30°	304.5	307.8	313.9	321.3	330.6	342.5	357.7	375.5	397.9	423.0	453.8
32.5°	295.0	297.9	302.5	309.9	319.1	330.6	344.7	362.7	385.2	410.7	441.0
35°	280.2	283.5	287.0	292.9	300.7	311.9	327.4	344.5	365.9	390.6	418.4
37.5°	265.6	269.1	272.3	277.5	284.7	294.6	307.9	325.7	345.1	368.9	395.6
40°	256.4	259.2	261.9	267.4	274.7	284.0	296.4	312.3	332.8	355.0	377.1
42.5°	247.3	249.9	252.1	257.0	263.7	272.6	284.4	299.9	318.9	339.6	359.2
45°	232.9	234.5	237.1	241.3	246.6	254.8	266.2	280.0	296.1	315.7	330.4
47.5°	217.3	219.8	222.0	225.6	230.0	238.0	249.0	260.7	275.4	289.9	300.2
50°	205.3	207.9	211.0	214.5	218.6	226.1	236.1	248.0	260.4	271.7	280.4
52.5°	194.1	196.5	199.8	203.1	208.2	214.5	223.1	233.7	245.9	253.9	261.3
55°	177.5	178.7	182.5	185.7	190.7	195.3	204.0	213.3	220.8	226.8	232.9
57.5°	160.7	162.2	164.4	167.3	172.2	177.6	183.7	192.0	196.3	199.4	204.2
60°	149.8	150.3	151.7	155.2	159.0	163.8	170.8	176.6	180.0	182.5	186.4
62.5°	137.8	137.9	140.3	142.9	145.6	151.0	156.6	161.4	164.0	165.3	169.1
65°	121.1	120.7	122.0	124.1	127.4	130.9	135.8	140.0	139.8	141.2	143.5
67.5°	104.0	103.5	103.5	105.5	108.2	111.3	114.6	117.1	117.1	119.0	120.2
70°	92.4	91.0	91.9	93.6	94.7	97.4	101.1	102.0	102.2	103.1	104.3
72.5°	80.5	80.0	80.7	81.4	82.2	84.2	87.5	88.0	88.1	88.6	90.5
75°	63.9	63.5	63.0	63.7	64.6	66.0	67.2	68.2	67.9	68.2	69.6
77.5°	48.0	46.7	46.4	46.8	47.0	47.9	49.1	49.0	49.2	49.2	50.7
80°	38.1	36.2	36.0	36.0	36.2	36.7	37.1	37.6	36.9	37.6	38.1
82.5°	28.0	26.9	26.8	26.6	26.7	26.8	27.1	27.3	27.2	27.5	27.8
85°	15.5	14.9	14.2	14.7	14.4	13.7	14.2	13.5	13.3	13.5	13.7
87.5°	6.8	6.9	6.4	6.3	5.9	6.0	5.5	5.0	4.7	4.7	5.2
90°	7.9	7.4	6.6	5.9	5.2	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	18.3	17.6	16.7	15.9	14.9	14.0	13.3	12.8	12.2	11.6	11.1
95°	36.0	35.2	34.2	33.2	32.2	31.2	30.6	30.4	30.2	30.0	29.8
97.5°	56.8	56.1	54.7	53.3	51.9	50.5	49.8	49.7	49.6	49.5	49.4
100°	71.0	70.0	68.7	67.4	66.0	64.7	64.1	64.1	64.1	64.1	64.1
102.5°	85.6	84.6	84.0	83.3	82.7	82.0	81.5	81.1	80.7	80.2	79.8
105°	110.0	109.4	108.8	108.2	107.6	106.9	106.4	105.8	105.3	104.8	104.3
107.5°	136.1	135.8	135.4	134.9	134.4	134.0	133.5	133.0	132.5	132.0	131.5
110°	154.1	153.8	153.5	153.2	152.9	152.6	152.2	151.7	151.2	150.7	150.2



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	172.3	172.1	171.7	171.4	171.0	170.6	170.3	170.0	169.7	169.5	169.2
115°	200.0	200.1	199.9	199.7	199.4	199.2	198.9	198.5	198.1	197.6	197.2
117.5°	227.2	227.1	226.9	226.7	226.6	226.4	226.2	226.0	225.8	225.6	225.5
120°	245.8	245.8	245.7	245.6	245.5	245.4	245.1	244.6	244.1	243.6	243.1
122.5°	264.0	264.1	263.9	263.6	263.3	263.1	262.8	262.7	262.5	262.3	262.1
125°	290.9	291.1	291.0	290.9	290.8	290.7	290.3	289.7	289.1	288.5	287.9
127.5°	317.4	317.5	317.3	317.2	317.1	317.0	316.8	316.4	316.1	315.7	315.4
130°	335.0	335.1	334.9	334.7	334.5	334.3	333.9	333.4	332.9	332.3	331.8
132.5°	351.7	351.8	351.9	351.9	352.0	352.0	351.6	350.8	350.0	349.1	348.3
135°	377.6	377.6	377.5	377.4	377.3	377.2	376.9	376.3	375.7	375.1	374.4
137.5°	402.7	402.6	402.3	402.1	401.9	401.7	401.3	400.7	400.1	399.5	398.9
140°	418.6	418.4	418.1	417.8	417.5	417.2	416.7	416.2	415.7	415.2	414.7
142.5°	434.2	434.1	433.7	433.3	432.9	432.5	432.1	431.7	431.3	430.8	430.4
145°	456.8	456.8	456.5	456.2	455.9	455.6	455.2	454.8	454.4	454.0	453.6
147.5°	477.4	477.2	476.9	476.7	476.4	476.2	475.9	475.6	475.4	475.2	475.0
150°	490.7	490.7	490.3	489.9	489.5	489.1	488.9	489.0	489.1	489.2	489.3
152.5°	502.6	502.4	502.2	502.1	501.9	501.7	501.6	501.4	501.3	501.2	501.0
155°	519.9	519.5	519.4	519.3	519.2	519.1	519.1	519.1	519.1	519.1	519.1
157.5°	535.0	534.6	534.5	534.4	534.3	534.2	534.2	534.5	534.7	534.9	535.1
160°	544.2	543.7	543.6	543.5	543.4	543.3	543.4	543.7	544.0	544.4	544.7
162.5°	552.7	552.2	552.2	552.1	552.1	552.1	552.2	552.4	552.7	552.9	553.1
165°	564.3	563.9	563.8	563.7	563.6	563.5	563.5	563.7	563.9	564.1	564.3
167.5°	572.7	572.1	572.1	572.1	572.1	572.1	572.3	572.7	573.1	573.5	573.9
170°	577.7	577.1	577.1	577.1	577.1	577.1	577.3	577.7	578.1	578.6	579.0
172.5°	581.5	580.9	580.9	580.9	580.9	580.9	581.1	581.5	581.9	582.3	582.7
175°	585.5	584.9	584.9	584.9	584.9	584.9	585.1	585.5	585.9	586.3	586.8
177.5°	587.5	587.0	587.1	587.2	587.3	587.3	587.5	587.9	588.2	588.5	588.9
180°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	552.8	555.3	557.0	560.2	562.8	564.3	565.6	566.7	568.0	569.2	572.4
5°	556.3	562.4	567.5	575.4	582.7	588.2	594.3	599.7	604.1	610.5	615.3
7.5°	554.7	565.5	576.8	589.2	601.7	613.3	624.1	634.1	643.2	654.2	663.9
10°	553.3	567.9	582.4	599.1	616.0	630.5	644.0	657.8	667.8	681.9	693.8
12.5°	552.2	569.5	586.9	606.8	625.5	646.0	664.0	674.1	689.3	700.5	714.7
15°	547.4	570.3	594.3	616.7	643.4	662.3	678.1	697.7	712.0	726.2	741.5
17.5°	539.0	564.9	591.8	621.2	646.6	666.9	687.4	706.3	723.3	742.4	761.5
20°	535.0	561.0	591.8	621.9	646.8	668.0	689.0	709.8	728.5	753.1	775.2
22.5°	526.8	558.2	586.5	615.9	641.6	664.7	688.5	712.1	736.9	764.6	792.3
25°	512.2	543.9	574.0	603.0	628.8	657.8	683.3	714.8	746.5	783.2	817.7
27.5°	497.0	527.4	554.9	582.9	613.1	645.9	678.8	714.6	756.2	802.4	851.1
30°	484.6	513.4	540.2	568.9	600.4	637.2	673.5	715.9	764.0	816.0	873.9
32.5°	470.3	496.8	522.8	553.2	587.5	626.4	668.6	715.2	773.0	832.0	891.6
35°	445.7	467.9	494.7	527.1	565.8	610.5	659.2	714.3	780.5	848.5	898.6
37.5°	416.6	437.2	465.4	501.0	541.6	589.5	647.3	712.7	783.0	837.2	853.3
40°	396.9	416.1	445.5	482.3	523.8	574.5	637.9	707.0	775.2	809.7	796.4
42.5°	376.0	396.1	424.7	461.2	505.9	561.1	626.2	695.3	752.5	765.5	719.5
45°	343.1	363.8	392.0	428.9	477.0	536.7	604.6	667.4	700.2	676.7	605.5
47.5°	312.4	331.8	358.0	396.1	445.7	507.5	572.8	622.9	625.5	569.3	493.2
50°	291.4	309.4	335.8	373.9	423.0	485.6	544.6	584.1	566.3	502.6	429.6
52.5°	270.9	288.5	314.5	352.1	400.8	458.2	513.1	540.8	507.4	441.9	379.6
55°	241.3	256.7	282.2	316.9	363.0	416.3	462.9	472.5	429.1	364.8	314.1
57.5°	212.4	226.7	249.8	281.9	324.2	371.2	407.8	405.7	359.8	304.6	264.4
60°	192.8	206.7	227.3	258.5	297.1	337.7	368.9	361.4	316.0	268.3	234.5
62.5°	175.2	187.7	207.1	234.5	269.6	307.2	332.9	321.8	277.3	235.7	208.9
65°	149.4	159.9	176.4	199.8	228.9	259.9	279.8	265.6	227.5	195.1	173.6
67.5°	124.6	133.1	146.9	165.6	190.5	215.4	227.4	213.2	182.7	159.1	143.1
70°	109.0	116.4	127.1	143.7	165.4	186.4	195.5	182.7	156.5	136.2	124.8
72.5°	93.3	99.5	108.9	123.8	141.2	159.4	167.3	155.1	133.6	116.4	105.8
75°	72.1	76.3	82.8	93.1	106.8	121.4	125.7	115.0	101.3	88.5	81.4
77.5°	51.6	55.1	60.1	66.6	76.3	85.5	89.4	83.2	72.6	64.4	58.7
80°	39.7	41.5	45.7	51.1	58.8	64.6	67.2	63.2	55.7	49.7	45.2
82.5°	28.3	30.2	32.6	37.1	42.0	45.9	48.7	46.0	40.7	35.9	33.3
85°	13.7	14.9	16.4	18.2	21.9	24.2	24.0	22.4	20.3	18.5	17.1
87.5°	5.2	5.5	6.2	7.3	8.0	8.9	9.4	9.2	8.6	8.1	7.7
90°	1.3	2.1	2.9	3.7	4.4	5.2	5.9	6.6	7.4	7.9	8.4
92.5°	11.6	12.2	12.8	13.3	14.0	14.9	15.9	16.7	17.6	18.3	18.9
95°	30.0	30.2	30.4	30.6	31.2	32.2	33.2	34.2	35.2	36.0	36.7
97.5°	49.5	49.6	49.7	49.8	50.5	51.9	53.3	54.7	56.1	56.8	57.5
100°	64.1	64.1	64.1	64.1	64.7	66.0	67.4	68.7	70.0	71.0	71.9
102.5°	80.2	80.7	81.1	81.5	82.0	82.7	83.3	84.0	84.6	85.6	86.6
105°	104.8	105.3	105.8	106.4	106.9	107.6	108.2	108.8	109.4	110.0	110.6
107.5°	132.0	132.5	133.0	133.5	134.0	134.4	134.9	135.4	135.8	136.1	136.4
110°	150.7	151.2	151.7	152.2	152.6	152.9	153.2	153.5	153.8	154.1	154.4



TEST NUMBER: P333341-840

CATALOG NUMBER: S125DIW-S375D470U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	169.5	169.7	170.0	170.3	170.6	171.0	171.4	171.7	172.1	172.3	172.4
115°	197.6	198.1	198.5	198.9	199.2	199.4	199.7	199.9	200.1	200.0	199.9
117.5°	225.6	225.8	226.0	226.2	226.4	226.6	226.7	226.9	227.1	227.2	227.3
120°	243.6	244.1	244.6	245.1	245.4	245.5	245.6	245.7	245.8	245.8	245.8
122.5°	262.3	262.5	262.7	262.8	263.1	263.3	263.6	263.9	264.1	264.0	264.0
125°	288.5	289.1	289.7	290.3	290.7	290.8	290.9	291.0	291.1	290.9	290.7
127.5°	315.7	316.1	316.4	316.8	317.0	317.1	317.2	317.3	317.5	317.4	317.3
130°	332.3	332.9	333.4	333.9	334.3	334.5	334.7	334.9	335.1	335.0	334.9
132.5°	349.1	350.0	350.8	351.6	352.0	352.0	351.9	351.9	351.8	351.7	351.6
135°	375.1	375.7	376.3	376.9	377.2	377.3	377.4	377.5	377.6	377.6	377.6
137.5°	399.5	400.1	400.7	401.3	401.7	401.9	402.1	402.3	402.6	402.7	402.8
140°	415.2	415.7	416.2	416.7	417.2	417.5	417.8	418.1	418.4	418.6	418.8
142.5°	430.8	431.3	431.7	432.1	432.5	432.9	433.3	433.7	434.1	434.2	434.3
145°	454.0	454.4	454.8	455.2	455.6	455.9	456.2	456.5	456.8	456.8	456.8
147.5°	475.2	475.4	475.6	475.9	476.2	476.4	476.7	476.9	477.2	477.4	477.6
150°	489.2	489.1	489.0	488.9	489.1	489.5	489.9	490.3	490.7	490.7	490.7
152.5°	501.2	501.3	501.4	501.6	501.7	501.9	502.1	502.2	502.4	502.6	502.9
155°	519.1	519.1	519.1	519.1	519.1	519.2	519.3	519.4	519.5	519.9	520.3
157.5°	534.9	534.7	534.5	534.2	534.2	534.3	534.4	534.5	534.6	535.0	535.4
160°	544.4	544.0	543.7	543.4	543.3	543.4	543.5	543.6	543.7	544.2	544.6
162.5°	552.9	552.7	552.4	552.2	552.1	552.1	552.1	552.2	552.2	552.7	553.2
165°	564.1	563.9	563.7	563.5	563.5	563.6	563.7	563.8	563.9	564.3	564.7
167.5°	573.5	573.1	572.7	572.3	572.1	572.1	572.1	572.1	572.1	572.7	573.3
170°	578.6	578.1	577.7	577.3	577.1	577.1	577.1	577.1	577.1	577.7	578.3
172.5°	582.3	581.9	581.5	581.1	580.9	580.9	580.9	580.9	580.9	581.5	582.1
175°	586.3	585.9	585.5	585.1	584.9	584.9	584.9	584.9	584.9	585.5	586.1
177.5°	588.5	588.2	587.9	587.5	587.3	587.3	587.2	587.1	587.0	587.5	588.0
180°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	575.0	576.4	579.7	578.6	580.0	580.8	581.5
5°	621.4	628.8	632.2	631.7	636.6	635.4	634.2
7.5°	673.9	681.7	686.1	691.6	694.7	695.0	697.7
10°	703.6	713.8	718.0	723.9	727.6	729.7	729.4
12.5°	726.3	734.4	743.8	746.6	751.6	754.4	753.4
15°	753.8	766.6	776.4	781.2	787.6	789.4	791.9
17.5°	778.2	795.4	806.8	822.0	827.8	831.3	829.2
20°	796.7	819.3	830.7	848.9	859.0	864.3	862.4
22.5°	818.5	843.0	864.1	879.9	895.1	902.4	903.9
25°	856.0	889.5	920.6	941.3	960.2	964.6	974.4
27.5°	897.8	937.4	970.6	992.4	1005.5	1010.5	1013.6
30°	924.0	963.5	988.5	1002.5	1006.6	1006.2	1005.7
32.5°	937.0	961.6	966.4	962.5	952.9	944.7	936.2
35°	918.7	900.3	872.7	837.3	811.1	784.8	782.1
37.5°	826.3	767.3	721.4	670.2	640.8	622.5	609.9
40°	739.2	672.3	616.7	573.6	543.5	531.6	519.9
42.5°	644.8	580.8	531.6	495.5	472.9	459.7	450.5
45°	523.8	467.4	428.9	402.7	384.8	374.6	368.7
47.5°	429.3	387.5	354.8	335.9	323.6	315.6	315.6
50°	378.5	338.6	316.9	301.9	291.2	284.9	286.1
52.5°	333.5	303.7	285.2	272.7	264.7	260.8	260.6
55°	278.8	257.4	245.3	236.1	230.8	226.3	227.3
57.5°	238.5	220.5	212.3	204.7	201.0	199.2	196.6
60°	213.5	199.5	192.5	186.4	182.7	181.3	178.7
62.5°	191.3	180.3	173.5	168.5	165.2	164.7	162.7
65°	160.8	152.4	146.3	144.0	140.5	139.6	139.6
67.5°	132.5	126.5	121.8	119.7	118.2	118.4	117.2
70°	114.8	109.9	106.8	104.5	103.4	103.6	102.7
72.5°	100.5	94.9	92.3	90.9	89.4	90.0	89.6
75°	76.0	73.3	71.9	70.5	69.6	69.1	68.6
77.5°	55.8	53.4	52.3	51.5	51.7	50.5	51.4
80°	43.1	41.1	40.4	39.2	39.0	39.0	38.8
82.5°	31.6	30.4	29.9	29.0	28.5	28.9	28.3
85°	16.4	15.5	15.1	15.1	14.7	14.2	15.5
87.5°	7.8	7.1	7.2	7.1	7.1	7.0	6.7
90°	8.9	9.4	9.8	10.1	10.4	10.7	11.0
92.5°	19.6	20.3	20.7	20.9	21.1	21.4	21.6
95°	37.4	38.1	38.6	38.8	39.0	39.2	39.4
97.5°	58.2	58.8	59.2	59.3	59.5	59.6	59.7
100°	72.8	73.7	74.2	74.4	74.6	74.8	75.0
102.5°	87.7	88.7	89.3	89.6	89.9	90.2	90.5
105°	111.2	111.8	112.3	112.6	112.9	113.2	113.5
107.5°	136.7	137.0	137.2	137.2	137.1	137.1	137.1
110°	154.7	155.0	155.1	155.0	154.9	154.8	154.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	172.5	172.7	172.7	172.5	172.3	172.1	171.9
115°	199.8	199.7	199.5	199.4	199.3	199.2	199.1
117.5°	227.3	227.4	227.3	226.9	226.5	226.0	225.6
120°	245.8	245.8	245.6	245.2	244.8	244.4	244.0
122.5°	263.9	263.8	263.6	263.3	263.0	262.6	262.3
125°	290.5	290.3	290.1	290.0	289.9	289.8	289.7
127.5°	317.2	317.1	316.9	316.7	316.5	316.3	316.1
130°	334.8	334.7	334.5	334.3	334.1	333.9	333.7
132.5°	351.5	351.4	351.3	351.0	350.7	350.4	350.1
135°	377.6	377.6	377.4	377.0	376.6	376.2	375.8
137.5°	402.9	403.1	402.9	402.4	401.9	401.3	400.8
140°	419.0	419.2	419.0	418.5	418.0	417.5	417.0
142.5°	434.4	434.5	434.3	433.8	433.3	432.8	432.3
145°	456.8	456.8	456.7	456.4	456.1	455.8	455.4
147.5°	477.9	478.1	477.9	477.2	476.5	475.7	475.1
150°	490.7	490.7	490.6	490.4	490.2	490.0	489.8
152.5°	503.1	503.3	503.3	502.9	502.6	502.2	501.8
155°	520.7	521.1	521.1	520.6	520.1	519.6	519.1
157.5°	535.8	536.2	536.1	535.4	534.7	534.1	533.4
160°	545.0	545.4	545.3	544.8	544.3	543.8	543.3
162.5°	553.6	554.1	554.1	553.5	552.9	552.3	551.7
165°	565.1	565.5	565.4	564.8	564.2	563.6	563.0
167.5°	573.9	574.5	574.5	573.8	573.2	572.6	572.0
170°	579.0	579.7	579.6	578.9	578.1	577.4	576.7
172.5°	582.7	583.3	583.3	582.6	582.0	581.4	580.8
175°	586.8	587.4	587.3	586.6	585.9	585.2	584.5
177.5°	588.5	589.1	589.0	588.4	587.8	587.2	586.7
180°	588.1	588.1	588.1	588.1	588.1	588.1	588.1

(END OF REPORT)