

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: P333135-840

Luminaire Tested: **S125DIP-S375D810U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333135-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D810U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4490.5 lumens
Efficiency: N/A
Efficacy: 143.9 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: Semi-Indirect

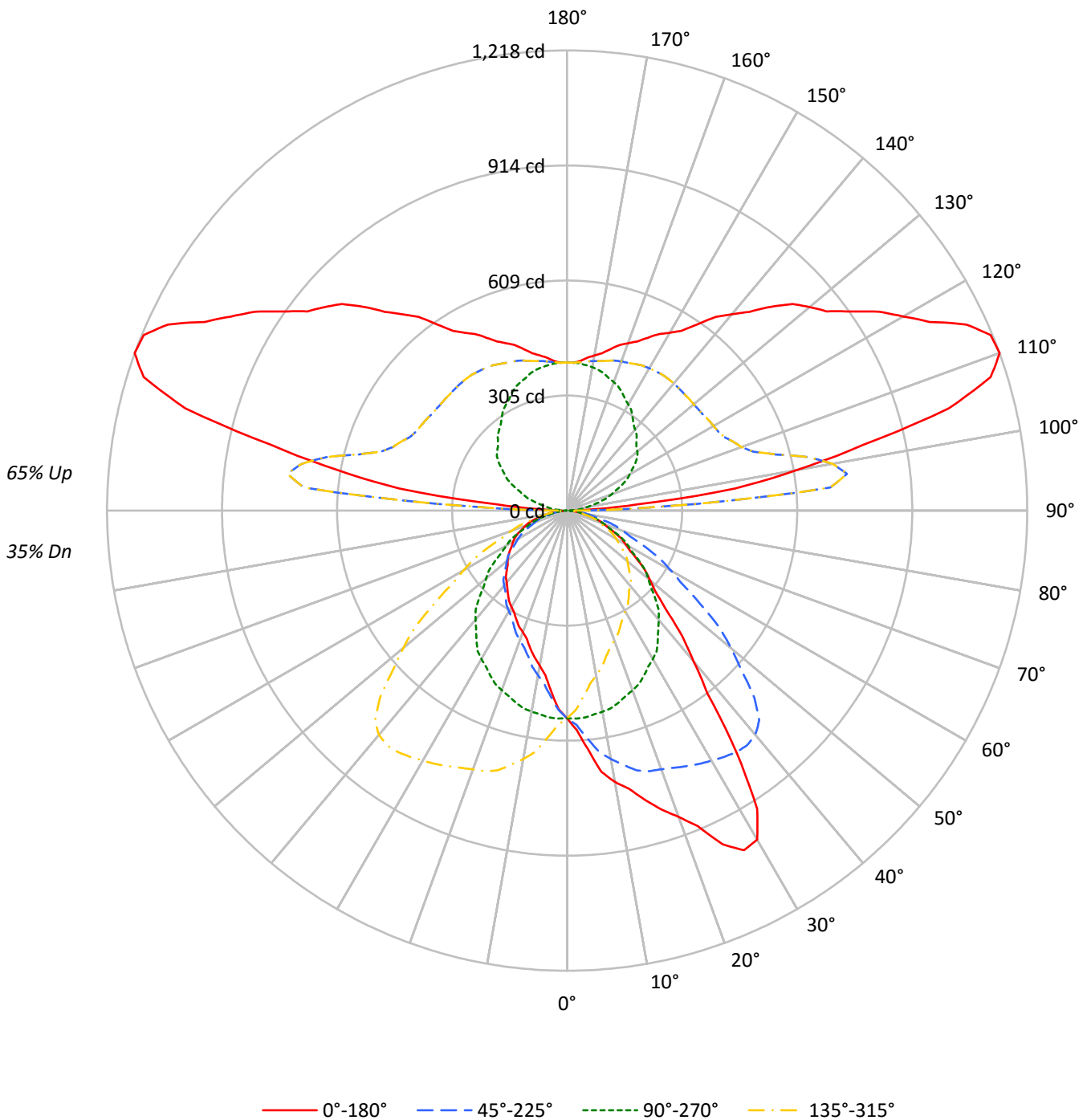
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35
1	94	90	87	83	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	43	40	33	32	30	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	20	17	15	12
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	22	27	22	19	22	18	16	17	14	12	10
10	45	33	26	22	41	30	24	20	25	20	17	20	17	14	15	13	11	9

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	1.2
10°-20°	157.6	3.5
20°-30°	255.9	5.7
30°-40°	312.1	7.0
40°-50°	283.9	6.3
50°-60°	226.2	5.0
60°-70°	157.5	3.5
70°-80°	84.0	1.9
80°-90°	23.4	0.5
90°-100°	283.9	6.3
100°-110°	610.3	13.6
110°-120°	572.7	12.8
120°-130°	464.2	10.3
130°-140°	372.5	8.3
140°-150°	281.1	6.3
150°-160°	197.9	4.4
160°-170°	116.6	2.6
170°-180°	37.9	0.8
0°-30°	466.4	10.4
0°-40°	778.5	17.3
0°-60°	1288.6	28.7
0°-90°	1553.5	34.6
90°-120°	1466.9	32.7
90°-150°	2584.6	57.6
90°-180°	2937.0	65.4
0°-180°	4490.5	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°	18	1	18	1	18	13
95°	186	26	186	26	186	263
105°	1046	89	1046	89	1046	1040
115°	1166	160	1166	160	1166	1139
125°	918	221	918	221	918	831
135°	763	259	763	259	763	591
145°	602	302	602	302	602	382
155°	504	344	504	344	504	235
165°	442	376	442	376	442	126
175°	397	391	397	391	397	39
180°	392	392	392	392	392	



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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°	8.1	8.5	8.5	8.5	8.7	8.4	9.0	8.8	9.2	9.6	10.1
90°	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2	13.4	12.6	11.0
92.5°	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0	206.1	254.6	258.6
95°	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7	684.6	699.6	570.9
97.5°	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6	866.2	747.1	509.8
100°	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2	910.4	713.1	454.8
102.5°	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5	883.9	653.0	413.1
105°	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6	799.1	572.5	372.7
107.5°	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5	712.6	517.1	355.7
110°	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8	663.3	491.1	350.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0	626.6	475.9	350.6
115°	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0	586.6	459.6	352.9
117.5°	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0	562.8	451.5	358.2
120°	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2	549.6	447.7	363.2
122.5°	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2	538.2	444.5	367.6
125°	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4	522.7	440.6	375.1
127.5°	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1	508.5	438.7	383.4
130°	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3	499.1	437.5	388.5
132.5°	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5	491.5	437.5	394.2
135°	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0	482.4	437.5	401.9
137.5°	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6	474.4	438.4	409.0
140°	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1	470.6	439.0	412.1
142.5°	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0	467.5	439.7	414.0
145°	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2	462.7	439.0	416.2
147.5°	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1	457.8	437.0	416.9
150°	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4	454.0	435.0	416.9
152.5°	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0	449.6	432.5	416.3
155°	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7	442.2	428.0	414.5
157.5°	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2	435.3	423.2	412.5
160°	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8	429.6	420.1	410.6
162.5°	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8	424.4	416.3	408.7
165°	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2	416.9	410.6	405.9
167.5°	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0	409.5	405.1	401.4
170°	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0	405.1	401.9	399.5
172.5°	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3	400.6	398.1	397.0
175°	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2	394.8	394.0	394.0
177.5°	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9	392.2	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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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°	10.3	9.6	8.7	7.8	6.6	5.7	5.2	5.2	4.7	4.9	5.5
90°	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8	1.6	3.1	4.7
92.5°	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6	11.7	18.3	28.1
95°	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1	26.9	33.1	41.8
97.5°	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2	44.2	48.7	57.4
100°	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2	56.9	60.0	68.7
102.5°	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6	69.5	72.0	81.3
105°	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3	89.3	93.2	101.1
107.5°	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5	111.0	114.8	121.3
110°	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0	125.5	128.7	135.8



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5	140.1	142.6	149.7
115°	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5	161.1	163.5	170.6
117.5°	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4	180.9	183.4	190.5
120°	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1	193.5	196.6	203.7
122.5°	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4	206.1	208.6	215.7
125°	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1	222.7	226.6	233.7
127.5°	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2	236.6	241.7	250.6
130°	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4	244.8	251.1	261.4
132.5°	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7	251.8	259.3	270.8
135°	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0	262.2	271.7	284.3
137.5°	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0	274.3	283.2	295.8
140°	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5	281.9	291.3	304.0
142.5°	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3	290.1	298.9	311.5
145°	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6	303.2	311.1	322.1
147.5°	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5	316.5	323.3	333.6
150°	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8	325.3	330.8	341.1
152.5°	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5	333.6	338.4	347.4
155°	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3	344.3	349.0	356.9
157.5°	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7	354.6	358.3	365.1
160°	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6	360.8	364.1	369.5
162.5°	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3	366.6	369.7	374.6
165°	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9	374.3	376.7	380.6
167.5°	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5	380.7	382.1	384.4
170°	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4	384.6	385.4	386.9
172.5°	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9	386.5	387.2	388.8
175°	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8	389.3	390.1	390.8
177.5°	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2	391.0	391.0	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

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°	6.0	6.7	6.6	7.1	7.3	8.0	7.9	8.8	9.4	9.9	10.0
90°	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2	15.0	15.8	17.4
92.5°	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0	101.6	76.4	64.7
95°	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7	447.7	350.6	284.3
97.5°	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6	761.3	666.7	574.5
100°	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2	932.5	851.2	769.1
102.5°	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5	1037.4	998.4	942.8
105°	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6	1096.8	1131.6	1122.9
107.5°	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5	1043.9	1133.1	1174.3
110°	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8	983.8	1095.2	1162.3



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0	924.4	1037.0	1116.2
115°	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0	839.4	947.6	1033.6
117.5°	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0	780.4	873.6	952.6
120°	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2	747.0	833.8	903.3
122.5°	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2	723.0	800.3	865.5
125°	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4	690.9	759.6	816.5
127.5°	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1	660.2	724.4	777.6
130°	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3	638.8	700.3	751.7
132.5°	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5	618.5	674.5	723.9
135°	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0	587.4	638.0	683.0
137.5°	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6	559.7	601.7	639.9
140°	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1	543.2	579.6	612.7
142.5°	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0	529.4	560.6	589.4
145°	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2	511.7	536.1	557.4
147.5°	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1	497.0	515.7	531.9
150°	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4	488.8	503.7	518.0
152.5°	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0	480.6	494.3	505.3
155°	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7	468.3	479.3	488.0
157.5°	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2	456.6	465.0	471.9
160°	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8	447.7	455.7	461.1
162.5°	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8	440.1	446.8	451.6
165°	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2	428.8	433.5	437.5
167.5°	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0	417.7	421.3	424.1
170°	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0	411.4	413.7	415.4
172.5°	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3	405.7	407.5	408.4
175°	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2	397.2	398.8	398.8
177.5°	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9	393.5	393.5	393.5
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

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°	10.4	10.2	10.4	10.7	10.4	10.2	10.4	10.0	9.9	9.4	8.8
90°	17.4	17.4	18.2	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2
92.5°	54.6	52.7	51.6	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0
95°	228.2	204.5	198.2	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7
97.5°	525.7	481.5	458.6	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6
100°	714.6	657.7	628.5	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2
102.5°	884.5	844.0	812.3	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5
105°	1097.5	1071.5	1055.7	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6
107.5°	1187.1	1186.9	1181.7	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5
110°	1197.8	1212.8	1218.4	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1168.1	1193.9	1207.6	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0
115°	1095.2	1133.1	1155.2	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0
117.5°	1014.2	1053.3	1075.3	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0
120°	961.7	999.7	1021.0	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2
122.5°	917.6	952.3	973.6	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2
125°	860.7	893.0	910.4	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4
127.5°	817.7	846.3	862.7	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1
130°	791.2	817.3	833.0	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3
132.5°	763.4	789.4	804.0	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5
135°	717.7	743.8	758.0	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0
137.5°	671.1	694.7	707.8	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6
140°	642.0	662.5	674.3	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1
142.5°	614.2	631.6	642.8	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0
145°	576.4	589.9	598.5	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2
147.5°	546.8	557.6	562.7	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1
150°	529.9	539.3	542.5	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4
152.5°	515.3	522.9	526.0	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0
155°	495.8	501.4	503.7	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7
157.5°	478.1	482.6	484.8	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2
160°	466.7	470.6	472.2	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8
162.5°	456.0	459.2	459.6	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8
165°	440.6	442.2	442.2	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2
167.5°	425.8	427.2	426.6	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0
170°	416.9	417.7	417.7	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0
172.5°	408.7	410.1	408.9	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3
175°	398.8	399.5	398.0	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2
177.5°	392.9	393.5	391.6	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

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°	7.9	8.0	7.3	7.1	6.6	6.7	6.0	5.5	4.9	4.7	5.2
90°	13.4	12.6	11.0	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8
92.5°	206.1	254.6	258.6	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6
95°	684.6	699.6	570.9	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1
97.5°	866.2	747.1	509.8	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2
100°	910.4	713.1	454.8	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2
102.5°	883.9	653.0	413.1	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6
105°	799.1	572.5	372.7	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3
107.5°	712.6	517.1	355.7	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5
110°	663.3	491.1	350.6	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	626.6	475.9	350.6	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5
115°	586.6	459.6	352.9	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5
117.5°	562.8	451.5	358.2	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4
120°	549.6	447.7	363.2	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1
122.5°	538.2	444.5	367.6	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4
125°	522.7	440.6	375.1	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1
127.5°	508.5	438.7	383.4	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2
130°	499.1	437.5	388.5	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4
132.5°	491.5	437.5	394.2	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7
135°	482.4	437.5	401.9	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0
137.5°	474.4	438.4	409.0	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0
140°	470.6	439.0	412.1	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5
142.5°	467.5	439.7	414.0	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3
145°	462.7	439.0	416.2	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6
147.5°	457.8	437.0	416.9	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5
150°	454.0	435.0	416.9	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8
152.5°	449.6	432.5	416.3	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5
155°	442.2	428.0	414.5	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3
157.5°	435.3	423.2	412.5	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7
160°	429.6	420.1	410.6	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6
162.5°	424.4	416.3	408.7	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3
165°	416.9	410.6	405.9	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9
167.5°	409.5	405.1	401.4	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5
170°	405.1	401.9	399.5	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4
172.5°	400.6	398.1	397.0	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9
175°	394.8	394.0	394.0	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8
177.5°	392.2	391.6	391.6	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

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	5.7	6.6	7.8	8.7	9.6	10.3	10.1	9.6	9.2	8.8
90°	1.6	3.1	4.7	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2
92.5°	11.7	18.3	28.1	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0
95°	26.9	33.1	41.8	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7
97.5°	44.2	48.7	57.4	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6
100°	56.9	60.0	68.7	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2
102.5°	69.5	72.0	81.3	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5
105°	89.3	93.2	101.1	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6
107.5°	111.0	114.8	121.3	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5
110°	125.5	128.7	135.8	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8



TEST NUMBER: P333135-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	140.1	142.6	149.7	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0
115°	161.1	163.5	170.6	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0
117.5°	180.9	183.4	190.5	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0
120°	193.5	196.6	203.7	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2
122.5°	206.1	208.6	215.7	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2
125°	222.7	226.6	233.7	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4
127.5°	236.6	241.7	250.6	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1
130°	244.8	251.1	261.4	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3
132.5°	251.8	259.3	270.8	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5
135°	262.2	271.7	284.3	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0
137.5°	274.3	283.2	295.8	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6
140°	281.9	291.3	304.0	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1
142.5°	290.1	298.9	311.5	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0
145°	303.2	311.1	322.1	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2
147.5°	316.5	323.3	333.6	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1
150°	325.3	330.8	341.1	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4
152.5°	333.6	338.4	347.4	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0
155°	344.3	349.0	356.9	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7
157.5°	354.6	358.3	365.1	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2
160°	360.8	364.1	369.5	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8
162.5°	366.6	369.7	374.6	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8
165°	374.3	376.7	380.6	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2
167.5°	380.7	382.1	384.4	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0
170°	384.6	385.4	386.9	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0
172.5°	386.5	387.2	388.8	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3
175°	389.3	390.1	390.8	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2
177.5°	391.0	391.0	391.6	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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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°	9.0	8.4	8.7	8.5	8.5	8.5	8.1
90°	15.0	15.8	17.4	17.4	17.4	18.2	18.2
92.5°	101.6	76.4	64.7	54.6	52.7	51.6	50.4
95°	447.7	350.6	284.3	228.2	204.5	198.2	185.5
97.5°	761.3	666.7	574.5	525.7	481.5	458.6	448.5
100°	932.5	851.2	769.1	714.6	657.7	628.5	615.9
102.5°	1037.4	998.4	942.8	884.5	844.0	812.3	802.8
105°	1096.8	1131.6	1122.9	1097.5	1071.5	1055.7	1046.2
107.5°	1043.9	1133.1	1174.3	1187.1	1186.9	1181.7	1175.4
110°	983.8	1095.2	1162.3	1197.8	1212.8	1218.4	1218.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	924.4	1037.0	1116.2	1168.1	1193.9	1207.6	1213.4
115°	839.4	947.6	1033.6	1095.2	1133.1	1155.2	1165.5
117.5°	780.4	873.6	952.6	1014.2	1053.3	1075.3	1081.6
120°	747.0	833.8	903.3	961.7	999.7	1021.0	1027.2
122.5°	723.0	800.3	865.5	917.6	952.3	973.6	979.3
125°	690.9	759.6	816.5	860.7	893.0	910.4	918.3
127.5°	660.2	724.4	777.6	817.7	846.3	862.7	866.2
130°	638.8	700.3	751.7	791.2	817.3	833.0	837.8
132.5°	618.5	674.5	723.9	763.4	789.4	804.0	809.3
135°	587.4	638.0	683.0	717.7	743.8	758.0	762.8
137.5°	559.7	601.7	639.9	671.1	694.7	707.8	713.1
140°	543.2	579.6	612.7	642.0	662.5	674.3	678.2
142.5°	529.4	560.6	589.4	614.2	631.6	642.8	646.0
145°	511.7	536.1	557.4	576.4	589.9	598.5	601.7
147.5°	497.0	515.7	531.9	546.8	557.6	562.7	564.1
150°	488.8	503.7	518.0	529.9	539.3	542.5	543.2
152.5°	480.6	494.3	505.3	515.3	522.9	526.0	526.8
155°	468.3	479.3	488.0	495.8	501.4	503.7	504.5
157.5°	456.6	465.0	471.9	478.1	482.6	484.8	484.6
160°	447.7	455.7	461.1	466.7	470.6	472.2	471.4
162.5°	440.1	446.8	451.6	456.0	459.2	459.6	459.4
165°	428.8	433.5	437.5	440.6	442.2	442.2	442.2
167.5°	417.7	421.3	424.1	425.8	427.2	426.6	426.4
170°	411.4	413.7	415.4	416.9	417.7	417.7	416.9
172.5°	405.7	407.5	408.4	408.7	410.1	408.9	408.1
175°	397.2	398.8	398.8	398.8	399.5	398.0	397.2
177.5°	393.5	393.5	393.5	392.9	393.5	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6

(END OF REPORT)