

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: P333144-840

Luminaire Tested: **S125DIP-S375D1035U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333144-840
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-S375D1035U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5303.9 lumens
Efficiency: N/A
Efficacy: 142.2 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

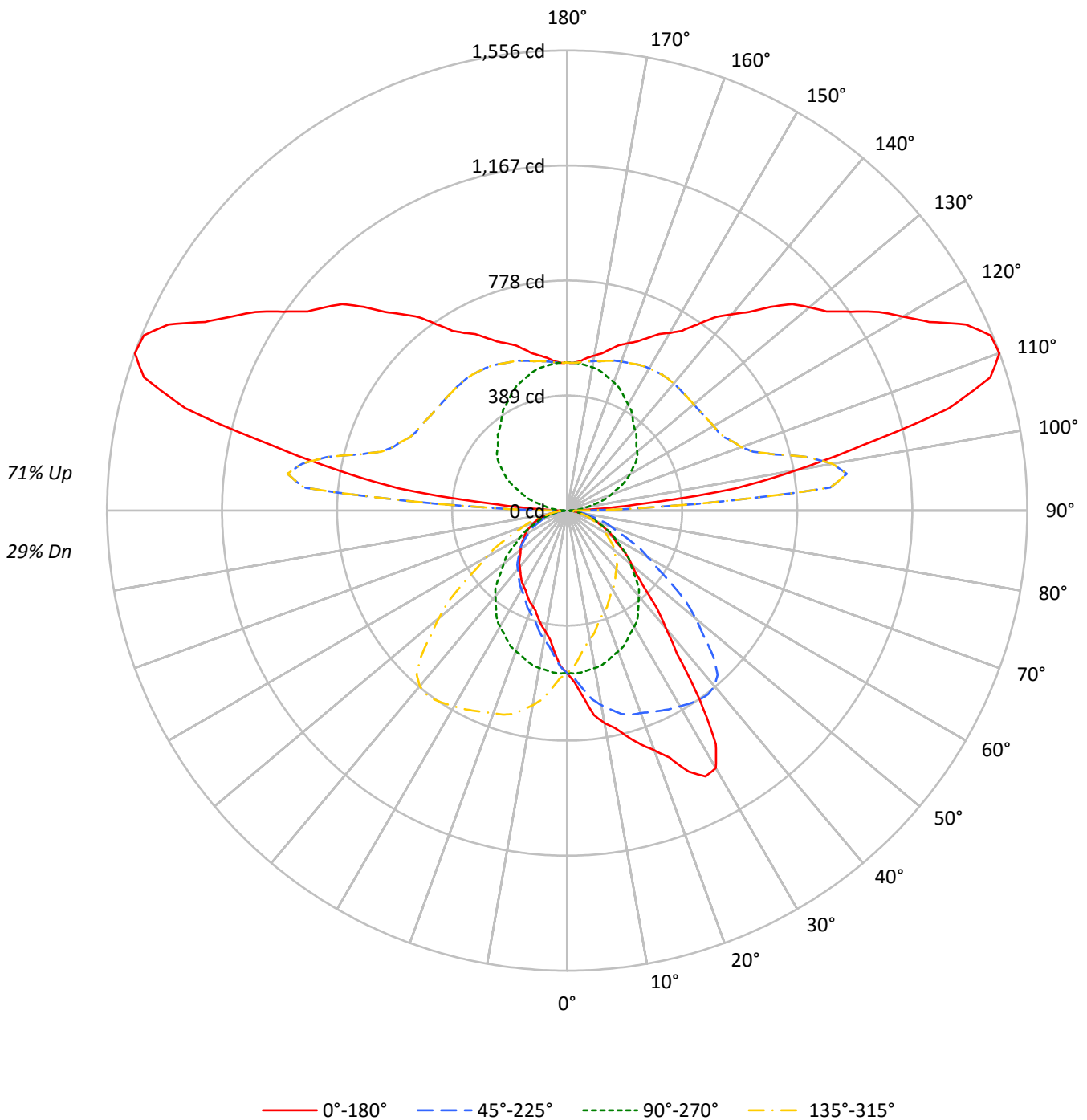
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29				
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	32	25				
2	85	78	72	67	76	70	65	61	55	52	49	42	40	38	29	28	27	21				
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18				
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	20	15				
5	65	54	46	40	58	49	42	37	39	34	30	29	26	24	21	19	17	13				
6	60	48	40	35	53	44	37	32	35	30	26	27	23	21	19	17	15	12				
7	55	43	36	30	49	39	33	28	31	27	23	24	21	18	17	15	13	11				
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	14	12	9				
9	47	36	28	24	42	32	26	22	26	21	18	20	17	14	15	12	11	8				
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	13	11	10	8				

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	1.0
10°-20°	157.6	3.0
20°-30°	255.9	4.8
30°-40°	312.1	5.9
40°-50°	283.9	5.4
50°-60°	226.2	4.3
60°-70°	157.5	3.0
70°-80°	84.0	1.6
80°-90°	24.0	0.5
90°-100°	362.4	6.8
100°-110°	779.1	14.7
110°-120°	731.2	13.8
120°-130°	592.6	11.2
130°-140°	475.6	9.0
140°-150°	358.9	6.8
150°-160°	252.6	4.8
160°-170°	148.9	2.8
170°-180°	48.4	0.9
0°-30°	466.4	8.8
0°-40°	778.5	14.7
0°-60°	1288.6	24.3
0°-90°	1554.1	29.3
90°-120°	1872.8	35.3
90°-150°	3299.8	62.2
90°-180°	3750.0	70.7
0°-180°	5303.9	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°	23	1	23	1	23	16
95°	237	33	237	33	237	336
105°	1336	114	1336	114	1336	1328
115°	1488	204	1488	204	1488	1454
125°	1172	282	1172	282	1172	1061
135°	974	331	974	331	974	755
145°	768	385	768	385	768	488
155°	644	440	644	440	644	300
165°	564	480	564	480	564	161
175°	507	499	507	499	507	49
180°	500	500	500	500	500	



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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°	9.1	9.5	9.5	9.5	9.7	9.3	9.8	9.6	10.0	10.3	10.7
90°	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2	17.2	16.2	14.1
92.5°	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6	263.1	325.0	330.2
95°	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9	874.0	893.2	728.9
97.5°	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5	1105.9	953.9	650.9
100°	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0	1162.4	910.3	580.7
102.5°	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0	1128.5	833.7	527.5
105°	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1	1020.3	730.8	475.8
107.5°	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4	909.7	660.1	454.0
110°	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6	846.8	627.0	447.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5	800.0	607.7	447.6
115°	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3	749.0	586.7	450.6
117.5°	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7	718.6	576.4	457.3
120°	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7	701.7	571.6	463.7
122.5°	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9	687.1	567.5	469.4
125°	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3	667.4	562.5	478.9
127.5°	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0	649.2	560.1	489.6
130°	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9	637.1	558.5	496.0
132.5°	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7	627.4	558.5	503.2
135°	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4	615.9	558.5	513.1
137.5°	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3	605.7	559.7	522.2
140°	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2	600.9	560.5	526.2
142.5°	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7	596.8	561.3	528.7
145°	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0	590.8	560.5	531.3
147.5°	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2	584.5	557.8	532.3
150°	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9	579.7	555.4	532.3
152.5°	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8	574.0	552.3	531.5
155°	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7	564.5	546.4	529.3
157.5°	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6	555.6	540.4	526.6
160°	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5	548.5	536.3	524.2
162.5°	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7	542.0	531.5	521.8
165°	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4	532.3	524.2	518.2
167.5°	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7	522.8	517.2	512.5
170°	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2	517.2	513.1	510.1
172.5°	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9	511.5	508.3	506.9
175°	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1	504.0	503.0	503.0
177.5°	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6	500.8	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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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°	10.8	10.1	9.1	8.2	6.8	5.9	5.3	5.3	4.8	5.2	5.7
90°	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0	2.0	4.0	6.1
92.5°	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3	14.9	23.4	35.9
95°	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2	34.2	42.3	53.4
97.5°	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2	56.5	62.1	73.2
100°	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6	72.6	76.6	87.7
102.5°	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6	88.7	91.9	103.8
105°	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9	113.9	119.0	129.1
107.5°	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8	141.8	146.5	154.8
110°	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2	160.3	164.3	173.4



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8	178.8	182.1	191.2
115°	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7	205.6	208.6	217.7
117.5°	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8	230.9	234.1	243.2
120°	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0	247.0	251.1	260.1
122.5°	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9	263.1	266.3	275.4
125°	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3	284.3	289.3	298.4
127.5°	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0	302.1	308.5	320.0
130°	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5	312.6	320.6	333.7
132.5°	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6	321.3	331.0	345.8
135°	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6	334.7	346.8	362.9
137.5°	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2	350.2	361.5	377.7
140°	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9	359.9	372.0	388.1
142.5°	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2	370.4	381.6	397.8
145°	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1	387.1	397.2	411.3
147.5°	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8	404.0	412.7	425.9
150°	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3	415.4	422.4	435.6
152.5°	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6	425.9	432.1	443.5
155°	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5	439.5	445.6	455.7
157.5°	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8	452.6	457.5	466.2
160°	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7	460.7	464.7	471.8
162.5°	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0	468.0	472.0	478.3
165°	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9	477.9	480.9	485.9
167.5°	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2	486.1	488.0	490.8
170°	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0	491.0	492.0	494.0
172.5°	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2	493.4	494.4	496.3
175°	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0	497.0	498.0	499.0
177.5°	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8	499.2	499.2	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-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°	6.3	7.1	7.1	7.7	7.9	8.7	8.7	9.6	10.2	10.7	11.0
90°	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2	19.2	20.2	22.2
92.5°	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6	129.7	97.6	82.7
95°	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9	571.6	447.6	362.9
97.5°	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5	972.0	851.2	733.5
100°	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0	1190.6	1086.7	981.9
102.5°	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0	1324.4	1274.7	1203.7
105°	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1	1400.3	1444.6	1433.5
107.5°	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4	1332.7	1446.6	1499.2
110°	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6	1256.1	1398.3	1484.0



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5	1180.3	1324.0	1425.1
115°	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3	1071.7	1209.7	1319.6
117.5°	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7	996.4	1115.4	1216.2
120°	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7	953.7	1064.6	1153.3
122.5°	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9	923.0	1021.8	1104.9
125°	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3	882.1	969.8	1042.4
127.5°	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0	843.0	924.8	992.8
130°	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9	815.6	894.2	959.8
132.5°	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7	789.7	861.1	924.2
135°	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4	750.0	814.6	872.0
137.5°	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3	714.6	768.2	817.0
140°	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2	693.6	739.9	782.3
142.5°	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7	675.8	715.8	752.5
145°	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0	653.3	684.5	711.8
147.5°	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2	634.5	658.5	679.0
150°	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9	624.0	643.2	661.4
152.5°	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8	613.5	631.1	645.2
155°	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7	597.8	612.0	623.0
157.5°	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6	582.9	593.8	602.5
160°	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5	571.6	581.7	588.8
162.5°	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7	561.9	570.4	576.6
165°	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4	547.4	553.5	558.5
167.5°	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7	533.3	538.0	541.6
170°	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2	525.2	528.3	530.3
172.5°	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9	518.0	520.2	521.4
175°	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1	507.1	509.1	509.1
177.5°	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6	502.4	502.4	502.4
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-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°	11.3	11.1	11.3	11.7	11.3	11.1	11.3	11.0	10.7	10.2	9.6
90°	22.2	22.2	23.2	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2
92.5°	69.8	67.4	65.9	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6
95°	291.3	261.2	253.1	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9
97.5°	671.3	614.7	585.5	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5
100°	912.3	839.8	802.4	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0
102.5°	1129.3	1077.7	1037.1	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0
105°	1401.3	1368.1	1347.9	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1
107.5°	1515.6	1515.4	1508.7	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4
110°	1529.3	1548.4	1555.5	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1491.4	1524.3	1541.9	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5
115°	1398.3	1446.6	1474.9	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3
117.5°	1294.8	1344.8	1372.8	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7
120°	1227.9	1276.3	1303.5	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7
122.5°	1171.4	1215.8	1243.0	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9
125°	1098.8	1140.1	1162.4	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3
127.5°	1044.0	1080.5	1101.5	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0
130°	1010.2	1043.4	1063.6	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9
132.5°	974.6	1007.9	1026.4	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7
135°	916.4	949.7	967.8	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4
137.5°	856.7	887.0	903.7	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3
140°	819.6	845.9	860.9	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2
142.5°	784.2	806.3	820.6	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7
145°	735.9	753.1	764.2	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0
147.5°	698.2	712.0	718.4	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2
150°	676.4	688.5	692.6	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9
152.5°	657.9	667.6	671.6	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8
155°	633.1	640.2	643.2	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7
157.5°	610.4	616.1	618.9	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6
160°	595.8	600.9	602.9	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5
162.5°	582.1	586.3	586.7	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7
165°	562.5	564.5	564.5	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4
167.5°	543.6	545.4	544.6	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7
170°	532.3	533.3	533.3	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2
172.5°	521.8	523.6	522.0	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9
175°	509.1	510.1	508.1	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1
177.5°	501.6	502.4	500.0	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-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°	8.7	8.7	7.9	7.7	7.1	7.1	6.3	5.7	5.2	4.8	5.3
90°	17.2	16.2	14.1	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0
92.5°	263.1	325.0	330.2	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3
95°	874.0	893.2	728.9	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2
97.5°	1105.9	953.9	650.9	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2
100°	1162.4	910.3	580.7	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6
102.5°	1128.5	833.7	527.5	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6
105°	1020.3	730.8	475.8	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9
107.5°	909.7	660.1	454.0	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8
110°	846.8	627.0	447.6	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	800.0	607.7	447.6	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8
115°	749.0	586.7	450.6	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7
117.5°	718.6	576.4	457.3	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8
120°	701.7	571.6	463.7	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0
122.5°	687.1	567.5	469.4	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9
125°	667.4	562.5	478.9	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3
127.5°	649.2	560.1	489.6	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0
130°	637.1	558.5	496.0	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5
132.5°	627.4	558.5	503.2	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6
135°	615.9	558.5	513.1	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6
137.5°	605.7	559.7	522.2	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2
140°	600.9	560.5	526.2	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9
142.5°	596.8	561.3	528.7	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2
145°	590.8	560.5	531.3	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1
147.5°	584.5	557.8	532.3	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8
150°	579.7	555.4	532.3	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3
152.5°	574.0	552.3	531.5	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6
155°	564.5	546.4	529.3	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5
157.5°	555.6	540.4	526.6	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8
160°	548.5	536.3	524.2	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7
162.5°	542.0	531.5	521.8	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0
165°	532.3	524.2	518.2	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9
167.5°	522.8	517.2	512.5	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2
170°	517.2	513.1	510.1	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0
172.5°	511.5	508.3	506.9	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2
175°	504.0	503.0	503.0	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0
177.5°	500.8	500.0	500.0	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-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°	5.3	5.9	6.8	8.2	9.1	10.1	10.8	10.7	10.3	10.0	9.6
90°	2.0	4.0	6.1	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2
92.5°	14.9	23.4	35.9	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6
95°	34.2	42.3	53.4	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9
97.5°	56.5	62.1	73.2	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5
100°	72.6	76.6	87.7	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0
102.5°	88.7	91.9	103.8	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0
105°	113.9	119.0	129.1	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1
107.5°	141.8	146.5	154.8	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4
110°	160.3	164.3	173.4	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6



TEST NUMBER: P333144-840

CATALOG NUMBER: S125DIP-S375D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	178.8	182.1	191.2	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5
115°	205.6	208.6	217.7	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3
117.5°	230.9	234.1	243.2	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7
120°	247.0	251.1	260.1	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7
122.5°	263.1	266.3	275.4	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9
125°	284.3	289.3	298.4	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3
127.5°	302.1	308.5	320.0	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0
130°	312.6	320.6	333.7	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9
132.5°	321.3	331.0	345.8	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7
135°	334.7	346.8	362.9	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4
137.5°	350.2	361.5	377.7	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3
140°	359.9	372.0	388.1	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2
142.5°	370.4	381.6	397.8	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7
145°	387.1	397.2	411.3	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0
147.5°	404.0	412.7	425.9	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2
150°	415.4	422.4	435.6	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9
152.5°	425.9	432.1	443.5	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8
155°	439.5	445.6	455.7	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7
157.5°	452.6	457.5	466.2	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6
160°	460.7	464.7	471.8	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5
162.5°	468.0	472.0	478.3	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7
165°	477.9	480.9	485.9	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4
167.5°	486.1	488.0	490.8	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7
170°	491.0	492.0	494.0	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2
172.5°	493.4	494.4	496.3	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9
175°	497.0	498.0	499.0	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1
177.5°	499.2	499.2	500.0	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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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°	9.8	9.3	9.7	9.5	9.5	9.5	9.1
90°	19.2	20.2	22.2	22.2	22.2	23.2	23.2
92.5°	129.7	97.6	82.7	69.8	67.4	65.9	64.3
95°	571.6	447.6	362.9	291.3	261.2	253.1	236.9
97.5°	972.0	851.2	733.5	671.3	614.7	585.5	572.6
100°	1190.6	1086.7	981.9	912.3	839.8	802.4	786.4
102.5°	1324.4	1274.7	1203.7	1129.3	1077.7	1037.1	1025.0
105°	1400.3	1444.6	1433.5	1401.3	1368.1	1347.9	1335.7
107.5°	1332.7	1446.6	1499.2	1515.6	1515.4	1508.7	1500.7
110°	1256.1	1398.3	1484.0	1529.3	1548.4	1555.5	1555.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1180.3	1324.0	1425.1	1491.4	1524.3	1541.9	1549.0
115°	1071.7	1209.7	1319.6	1398.3	1446.6	1474.9	1488.0
117.5°	996.4	1115.4	1216.2	1294.8	1344.8	1372.8	1380.9
120°	953.7	1064.6	1153.3	1227.9	1276.3	1303.5	1311.6
122.5°	923.0	1021.8	1104.9	1171.4	1215.8	1243.0	1250.3
125°	882.1	969.8	1042.4	1098.8	1140.1	1162.4	1172.5
127.5°	843.0	924.8	992.8	1044.0	1080.5	1101.5	1105.9
130°	815.6	894.2	959.8	1010.2	1043.4	1063.6	1069.6
132.5°	789.7	861.1	924.2	974.6	1007.9	1026.4	1033.3
135°	750.0	814.6	872.0	916.4	949.7	967.8	973.8
137.5°	714.6	768.2	817.0	856.7	887.0	903.7	910.3
140°	693.6	739.9	782.3	819.6	845.9	860.9	866.0
142.5°	675.8	715.8	752.5	784.2	806.3	820.6	824.9
145°	653.3	684.5	711.8	735.9	753.1	764.2	768.2
147.5°	634.5	658.5	679.0	698.2	712.0	718.4	720.2
150°	624.0	643.2	661.4	676.4	688.5	692.6	693.6
152.5°	613.5	631.1	645.2	657.9	667.6	671.6	672.6
155°	597.8	612.0	623.0	633.1	640.2	643.2	644.2
157.5°	582.9	593.8	602.5	610.4	616.1	618.9	618.7
160°	571.6	581.7	588.8	595.8	600.9	602.9	601.9
162.5°	561.9	570.4	576.6	582.1	586.3	586.7	586.5
165°	547.4	553.5	558.5	562.5	564.5	564.5	564.5
167.5°	533.3	538.0	541.6	543.6	545.4	544.6	544.4
170°	525.2	528.3	530.3	532.3	533.3	533.3	532.3
172.5°	518.0	520.2	521.4	521.8	523.6	522.0	521.0
175°	507.1	509.1	509.1	509.1	510.1	508.1	507.1
177.5°	502.4	502.4	502.4	501.6	502.4	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0

(END OF REPORT)