

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: P333153-840

Luminaire Tested: **S125DIP-S375D1205U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333153-840
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-S375D1205U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5919.2 lumens
Efficiency: N/A
Efficacy: 140.3 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

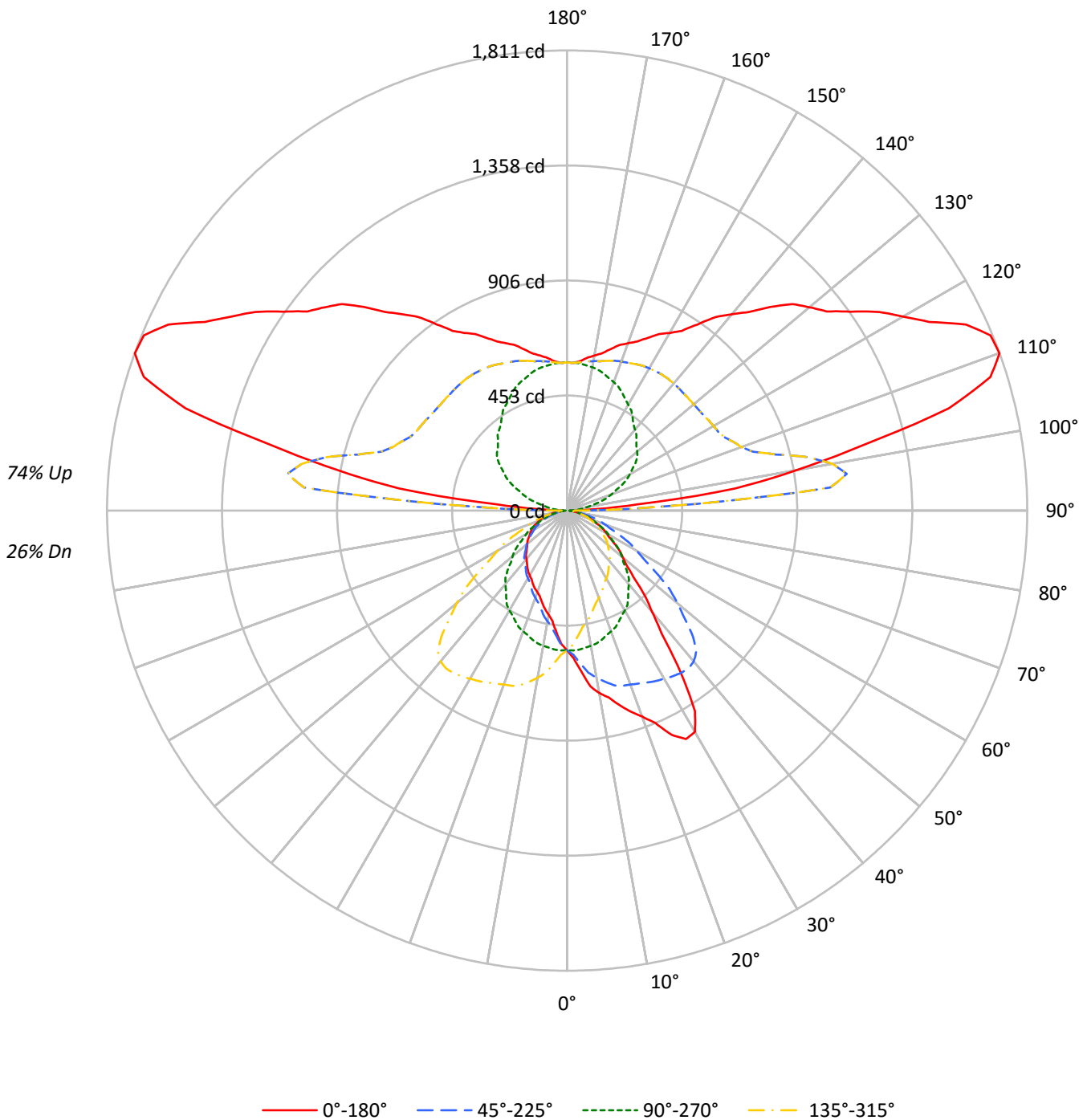
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	93	88	85	81	82	79	76	73	61	59	58	45	44	43	30	30	29	22
2	84	77	71	67	75	69	64	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	55	68	61	55	50	48	44	40	35	33	30	24	22	21	16
4	70	60	53	47	63	54	47	43	42	38	34	31	28	26	21	20	18	14
5	64	53	46	40	57	48	41	36	38	33	29	28	25	23	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14	11
7	55	43	35	30	49	39	32	27	31	26	22	23	20	17	16	14	12	9
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	15	13	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	12	10	9	7

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



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	0.9
10°-20°	157.6	2.7
20°-30°	255.9	4.3
30°-40°	312.1	5.3
40°-50°	283.9	4.8
50°-60°	226.2	3.8
60°-70°	157.5	2.7
70°-80°	84.0	1.4
80°-90°	24.4	0.4
90°-100°	421.9	7.1
100°-110°	906.9	15.3
110°-120°	851.1	14.4
120°-130°	689.8	11.7
130°-140°	553.5	9.4
140°-150°	417.7	7.1
150°-160°	294.0	5.0
160°-170°	173.3	2.9
170°-180°	56.4	1.0
0°-30°	466.4	7.9
0°-40°	778.5	13.2
0°-60°	1288.6	21.8
0°-90°	1554.6	26.3
90°-120°	2179.9	36.8
90°-150°	3840.9	64.9
90°-180°	4365.0	73.7
0°-180°	5919.2	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	19
90°	27	1	27	1	27	19
95°	276	39	276	39	276	391
105°	1555	133	1555	133	1555	1545
115°	1732	237	1732	237	1732	1692
125°	1365	328	1365	328	1365	1235
135°	1134	385	1134	385	1134	878
145°	894	448	894	448	894	568
155°	750	512	750	512	750	349
165°	657	559	657	559	657	188
175°	590	581	590	581	590	57
180°	582	582	582	582	582	



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

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°	9.9	10.3	10.2	10.2	10.4	9.9	10.4	10.2	10.5	10.8	11.1
90°	27.0	27.0	25.9	25.9	25.9	23.4	22.3	21.1	20.0	18.8	16.5
92.5°	74.8	76.7	78.4	81.2	96.2	113.6	150.9	207.9	306.3	378.3	384.5
95°	275.8	294.6	303.9	339.1	422.4	521.0	665.3	843.6	1017.3	1039.7	848.4
97.5°	666.5	681.6	715.6	781.2	853.7	990.9	1131.5	1256.5	1287.3	1110.2	757.6
100°	915.2	934.0	977.4	1062.0	1142.9	1265.0	1385.8	1443.3	1352.9	1059.6	675.9
102.5°	1193.2	1207.2	1254.4	1314.4	1401.1	1483.7	1541.7	1506.2	1313.5	970.4	613.9
105°	1554.8	1568.8	1592.4	1631.0	1668.6	1681.5	1629.9	1469.2	1187.5	850.7	553.8
107.5°	1746.8	1756.2	1763.9	1764.1	1745.1	1683.8	1551.3	1336.8	1058.9	768.3	528.5
110°	1810.6	1810.6	1802.4	1780.1	1727.3	1627.5	1462.1	1239.1	985.6	729.8	521.0



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1803.1	1794.6	1774.2	1736.0	1658.7	1541.2	1373.8	1162.2	931.2	707.3	521.0
115°	1731.9	1716.7	1683.8	1627.5	1536.0	1408.1	1247.4	1065.5	871.8	683.0	524.5
117.5°	1607.3	1598.0	1565.4	1507.1	1415.6	1298.3	1159.8	1003.0	836.4	671.0	532.3
120°	1526.6	1517.2	1485.5	1429.3	1342.4	1239.1	1110.0	969.3	816.7	665.3	539.8
122.5°	1455.3	1446.8	1415.1	1363.5	1286.1	1189.4	1074.4	943.9	799.8	660.7	546.3
125°	1364.7	1352.9	1327.2	1279.0	1213.4	1128.8	1026.7	907.1	776.8	654.8	557.3
127.5°	1287.3	1282.1	1257.7	1215.2	1155.6	1076.5	981.2	869.5	755.7	652.0	569.8
130°	1245.0	1238.0	1214.5	1175.8	1117.1	1040.9	949.3	846.1	741.6	650.1	577.3
132.5°	1202.7	1194.8	1173.2	1134.5	1075.8	1002.3	919.3	822.5	730.3	650.1	585.7
135°	1133.6	1126.5	1105.4	1066.6	1015.0	948.2	873.0	792.0	717.0	650.1	597.2
137.5°	1059.6	1051.9	1032.4	997.1	951.0	894.1	831.7	766.3	705.0	651.5	607.8
140°	1007.9	1002.1	984.5	954.0	910.6	861.3	807.3	752.1	699.3	652.4	612.5
142.5°	960.1	955.1	938.5	912.7	875.9	833.1	786.7	739.9	694.7	653.4	615.3
145°	894.1	889.5	876.6	856.6	828.4	796.8	760.3	724.0	687.6	652.4	618.4
147.5°	838.3	836.2	828.7	812.7	790.4	766.5	738.5	709.0	680.3	649.3	619.6
150°	807.3	806.2	801.4	787.4	769.7	748.6	726.4	700.5	674.7	646.5	619.6
152.5°	782.9	781.7	777.0	765.8	751.0	734.6	714.2	691.2	668.1	642.8	618.6
155°	749.8	748.6	745.1	736.9	725.2	712.3	695.8	677.0	657.1	636.0	616.0
157.5°	720.2	720.4	717.2	710.3	701.3	691.2	678.4	663.0	646.8	628.9	613.0
160°	700.5	701.8	699.3	693.5	685.3	677.0	665.3	653.6	638.3	624.3	610.2
162.5°	682.7	683.0	682.5	677.5	671.2	663.9	654.1	643.3	630.9	618.6	607.3
165°	657.1	657.1	657.1	654.8	650.1	644.2	637.1	628.9	619.6	610.2	603.1
167.5°	633.7	633.9	634.8	632.7	630.4	626.1	620.8	615.3	608.5	602.0	596.5
170°	619.6	620.8	620.8	619.6	617.2	614.9	611.4	607.8	602.0	597.2	593.8
172.5°	606.4	607.6	609.5	607.3	606.9	605.5	602.9	599.4	595.4	591.7	590.0
175°	590.3	591.4	593.8	592.6	592.6	592.6	590.3	590.3	586.7	585.5	585.5
177.5°	582.0	582.0	584.8	583.9	584.8	584.8	584.8	583.9	583.0	582.0	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

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°	11.3	10.4	9.4	8.4	7.0	6.0	5.4	5.3	4.9	5.3	5.9
90°	15.2	12.9	11.7	9.4	7.1	4.6	2.3	1.2	2.3	4.6	7.1
92.5°	267.8	160.3	96.2	62.0	41.8	27.3	17.4	14.3	17.4	27.3	41.8
95°	524.5	266.4	140.8	88.0	62.2	49.3	39.9	38.7	39.9	49.3	62.2
97.5°	418.7	229.5	146.4	108.5	85.2	72.3	65.7	64.3	65.7	72.3	85.2
100°	380.2	227.6	159.6	124.4	102.1	89.2	84.5	82.1	84.5	89.2	102.1
102.5°	364.3	236.1	175.5	141.3	120.9	107.0	103.3	101.9	103.3	107.0	120.9
105°	357.9	253.5	201.9	169.0	150.2	138.5	132.6	132.6	132.6	138.5	150.2
107.5°	368.7	279.2	229.2	199.8	180.3	170.6	165.0	162.6	165.0	170.6	180.3
110°	379.0	298.0	249.9	219.4	201.9	191.3	186.6	184.2	186.6	191.3	201.9



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	392.1	315.9	269.6	240.0	222.5	211.9	208.1	205.8	208.1	211.9	222.5
115°	411.8	343.9	300.4	271.0	253.5	242.9	239.3	237.0	239.3	242.9	253.5
117.5°	434.4	372.4	331.3	303.0	283.1	272.5	268.7	265.2	268.7	272.5	283.1
120°	449.4	393.1	352.0	322.7	302.8	292.2	287.5	284.0	287.5	292.2	302.8
122.5°	466.4	412.8	371.7	342.4	320.5	310.0	306.3	303.7	306.3	310.0	320.5
125°	489.3	438.9	400.1	369.6	347.3	336.8	330.9	328.5	330.9	336.8	347.3
127.5°	510.5	463.9	426.7	396.2	372.4	359.1	351.5	348.0	351.5	359.1	372.4
130°	524.5	479.9	443.5	413.0	388.4	373.1	363.8	360.2	363.8	373.1	388.4
132.5°	536.7	494.9	458.6	428.1	402.5	385.4	374.1	369.6	374.1	385.4	402.5
135°	553.8	515.1	478.8	447.1	422.4	403.6	389.6	384.9	389.6	403.6	422.4
137.5°	566.5	529.5	496.3	463.7	439.6	420.8	407.7	404.1	407.7	420.8	439.6
140°	575.0	539.8	505.7	474.0	451.8	433.0	418.9	415.4	418.9	433.0	451.8
142.5°	579.7	546.3	514.2	484.4	463.0	444.2	431.1	428.5	431.1	444.2	463.0
145°	586.7	557.3	526.8	499.9	478.8	462.3	450.6	448.3	450.6	462.3	478.8
147.5°	591.0	564.4	537.7	513.9	495.6	480.4	470.3	468.9	470.3	480.4	495.6
150°	593.8	569.1	543.3	523.3	507.0	491.7	483.4	481.1	483.4	491.7	507.0
152.5°	595.6	573.8	549.9	531.8	516.3	502.9	495.6	494.2	495.6	502.9	516.3
155°	597.2	578.5	558.6	542.1	530.4	518.7	511.6	511.6	511.6	518.7	530.4
157.5°	598.4	582.5	565.3	552.9	542.6	532.5	526.8	527.1	526.8	532.5	542.6
160°	598.4	584.4	569.1	558.6	549.2	541.0	536.2	537.5	536.2	541.0	549.2
162.5°	597.5	586.2	572.9	564.2	556.6	549.4	544.7	545.8	544.7	549.4	556.6
165°	596.1	586.7	577.3	570.3	565.6	559.8	556.2	558.6	556.2	559.8	565.6
167.5°	593.3	586.7	579.0	574.5	571.2	567.9	565.8	567.0	565.8	567.9	571.2
170°	591.4	586.7	580.9	577.3	575.0	572.6	571.5	572.6	571.5	572.6	575.0
172.5°	589.6	585.7	580.9	579.2	577.7	575.4	574.3	576.4	574.3	575.4	577.7
175°	586.7	584.4	580.9	580.9	580.9	579.7	578.5	580.9	578.5	579.7	580.9
177.5°	583.9	583.0	581.1	581.1	582.0	581.1	581.1	583.0	581.1	581.1	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-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°	6.6	7.4	7.5	8.1	8.3	9.2	9.2	10.2	10.8	11.4	11.7
90°	9.4	11.7	12.9	15.2	16.5	18.8	20.0	21.1	22.3	23.4	25.9
92.5°	62.0	96.2	160.3	267.8	384.5	378.3	306.3	207.9	150.9	113.6	96.2
95°	88.0	140.8	266.4	524.5	848.4	1039.7	1017.3	843.6	665.3	521.0	422.4
97.5°	108.5	146.4	229.5	418.7	757.6	1110.2	1287.3	1256.5	1131.5	990.9	853.7
100°	124.4	159.6	227.6	380.2	675.9	1059.6	1352.9	1443.3	1385.8	1265.0	1142.9
102.5°	141.3	175.5	236.1	364.3	613.9	970.4	1313.5	1506.2	1541.7	1483.7	1401.1
105°	169.0	201.9	253.5	357.9	553.8	850.7	1187.5	1469.2	1629.9	1681.5	1668.6
107.5°	199.8	229.2	279.2	368.7	528.5	768.3	1058.9	1336.8	1551.3	1683.8	1745.1
110°	219.4	249.9	298.0	379.0	521.0	729.8	985.6	1239.1	1462.1	1627.5	1727.3



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	240.0	269.6	315.9	392.1	521.0	707.3	931.2	1162.2	1373.8	1541.2	1658.7
115°	271.0	300.4	343.9	411.8	524.5	683.0	871.8	1065.5	1247.4	1408.1	1536.0
117.5°	303.0	331.3	372.4	434.4	532.3	671.0	836.4	1003.0	1159.8	1298.3	1415.6
120°	322.7	352.0	393.1	449.4	539.8	665.3	816.7	969.3	1110.0	1239.1	1342.4
122.5°	342.4	371.7	412.8	466.4	546.3	660.7	799.8	943.9	1074.4	1189.4	1286.1
125°	369.6	400.1	438.9	489.3	557.3	654.8	776.8	907.1	1026.7	1128.8	1213.4
127.5°	396.2	426.7	463.9	510.5	569.8	652.0	755.7	869.5	981.2	1076.5	1155.6
130°	413.0	443.5	479.9	524.5	577.3	650.1	741.6	846.1	949.3	1040.9	1117.1
132.5°	428.1	458.6	494.9	536.7	585.7	650.1	730.3	822.5	919.3	1002.3	1075.8
135°	447.1	478.8	515.1	553.8	597.2	650.1	717.0	792.0	873.0	948.2	1015.0
137.5°	463.7	496.3	529.5	566.5	607.8	651.5	705.0	766.3	831.7	894.1	951.0
140°	474.0	505.7	539.8	575.0	612.5	652.4	699.3	752.1	807.3	861.3	910.6
142.5°	484.4	514.2	546.3	579.7	615.3	653.4	694.7	739.9	786.7	833.1	875.9
145°	499.9	526.8	557.3	586.7	618.4	652.4	687.6	724.0	760.3	796.8	828.4
147.5°	513.9	537.7	564.4	591.0	619.6	649.3	680.3	709.0	738.5	766.5	790.4
150°	523.3	543.3	569.1	593.8	619.6	646.5	674.7	700.5	726.4	748.6	769.7
152.5°	531.8	549.9	573.8	595.6	618.6	642.8	668.1	691.2	714.2	734.6	751.0
155°	542.1	558.6	578.5	597.2	616.0	636.0	657.1	677.0	695.8	712.3	725.2
157.5°	552.9	565.3	582.5	598.4	613.0	628.9	646.8	663.0	678.4	691.2	701.3
160°	558.6	569.1	584.4	598.4	610.2	624.3	638.3	653.6	665.3	677.0	685.3
162.5°	564.2	572.9	586.2	597.5	607.3	618.6	630.9	643.3	654.1	663.9	671.2
165°	570.3	577.3	586.7	596.1	603.1	610.2	619.6	628.9	637.1	644.2	650.1
167.5°	574.5	579.0	586.7	593.3	596.5	602.0	608.5	615.3	620.8	626.1	630.4
170°	577.3	580.9	586.7	591.4	593.8	597.2	602.0	607.8	611.4	614.9	617.2
172.5°	579.2	580.9	585.7	589.6	590.0	591.7	595.4	599.4	602.9	605.5	606.9
175°	580.9	580.9	584.4	586.7	585.5	585.5	586.7	590.3	590.3	592.6	592.6
177.5°	581.1	581.1	583.0	583.9	582.0	582.0	583.0	583.9	584.8	584.8	584.8
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-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°	12.1	11.9	12.1	12.5	12.1	11.9	12.1	11.7	11.4	10.8	10.2
90°	25.9	25.9	27.0	27.0	27.0	25.9	25.9	25.9	23.4	22.3	21.1
92.5°	81.2	78.4	76.7	74.8	76.7	78.4	81.2	96.2	113.6	150.9	207.9
95°	339.1	303.9	294.6	275.8	294.6	303.9	339.1	422.4	521.0	665.3	843.6
97.5°	781.2	715.6	681.6	666.5	681.6	715.6	781.2	853.7	990.9	1131.5	1256.5
100°	1062.0	977.4	934.0	915.2	934.0	977.4	1062.0	1142.9	1265.0	1385.8	1443.3
102.5°	1314.4	1254.4	1207.2	1193.2	1207.2	1254.4	1314.4	1401.1	1483.7	1541.7	1506.2
105°	1631.0	1592.4	1568.8	1554.8	1568.8	1592.4	1631.0	1668.6	1681.5	1629.9	1469.2
107.5°	1764.1	1763.9	1756.2	1746.8	1756.2	1763.9	1764.1	1745.1	1683.8	1551.3	1336.8
110°	1780.1	1802.4	1810.6	1810.6	1810.6	1802.4	1780.1	1727.3	1627.5	1462.1	1239.1



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1736.0	1774.2	1794.6	1803.1	1794.6	1774.2	1736.0	1658.7	1541.2	1373.8	1162.2
115°	1627.5	1683.8	1716.7	1731.9	1716.7	1683.8	1627.5	1536.0	1408.1	1247.4	1065.5
117.5°	1507.1	1565.4	1598.0	1607.3	1598.0	1565.4	1507.1	1415.6	1298.3	1159.8	1003.0
120°	1429.3	1485.5	1517.2	1526.6	1517.2	1485.5	1429.3	1342.4	1239.1	1110.0	969.3
122.5°	1363.5	1415.1	1446.8	1455.3	1446.8	1415.1	1363.5	1286.1	1189.4	1074.4	943.9
125°	1279.0	1327.2	1352.9	1364.7	1352.9	1327.2	1279.0	1213.4	1128.8	1026.7	907.1
127.5°	1215.2	1257.7	1282.1	1287.3	1282.1	1257.7	1215.2	1155.6	1076.5	981.2	869.5
130°	1175.8	1214.5	1238.0	1245.0	1238.0	1214.5	1175.8	1117.1	1040.9	949.3	846.1
132.5°	1134.5	1173.2	1194.8	1202.7	1194.8	1173.2	1134.5	1075.8	1002.3	919.3	822.5
135°	1066.6	1105.4	1126.5	1133.6	1126.5	1105.4	1066.6	1015.0	948.2	873.0	792.0
137.5°	997.1	1032.4	1051.9	1059.6	1051.9	1032.4	997.1	951.0	894.1	831.7	766.3
140°	954.0	984.5	1002.1	1007.9	1002.1	984.5	954.0	910.6	861.3	807.3	752.1
142.5°	912.7	938.5	955.1	960.1	955.1	938.5	912.7	875.9	833.1	786.7	739.9
145°	856.6	876.6	889.5	894.1	889.5	876.6	856.6	828.4	796.8	760.3	724.0
147.5°	812.7	828.7	836.2	838.3	836.2	828.7	812.7	790.4	766.5	738.5	709.0
150°	787.4	801.4	806.2	807.3	806.2	801.4	787.4	769.7	748.6	726.4	700.5
152.5°	765.8	777.0	781.7	782.9	781.7	777.0	765.8	751.0	734.6	714.2	691.2
155°	736.9	745.1	748.6	749.8	748.6	745.1	736.9	725.2	712.3	695.8	677.0
157.5°	710.3	717.2	720.4	720.2	720.4	717.2	710.3	701.3	691.2	678.4	663.0
160°	693.5	699.3	701.8	700.5	701.8	699.3	693.5	685.3	677.0	665.3	653.6
162.5°	677.5	682.5	683.0	682.7	683.0	682.5	677.5	671.2	663.9	654.1	643.3
165°	654.8	657.1	657.1	657.1	657.1	657.1	654.8	650.1	644.2	637.1	628.9
167.5°	632.7	634.8	633.9	633.7	633.9	634.8	632.7	630.4	626.1	620.8	615.3
170°	619.6	620.8	620.8	619.6	620.8	620.8	619.6	617.2	614.9	611.4	607.8
172.5°	607.3	609.5	607.6	606.4	607.6	609.5	607.3	606.9	605.5	602.9	599.4
175°	592.6	593.8	591.4	590.3	591.4	593.8	592.6	592.6	592.6	590.3	590.3
177.5°	583.9	584.8	582.0	582.0	582.0	584.8	583.9	584.8	584.8	584.8	583.9
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-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°	9.2	9.2	8.3	8.1	7.5	7.4	6.6	5.9	5.3	4.9	5.3
90°	20.0	18.8	16.5	15.2	12.9	11.7	9.4	7.1	4.6	2.3	1.2
92.5°	306.3	378.3	384.5	267.8	160.3	96.2	62.0	41.8	27.3	17.4	14.3
95°	1017.3	1039.7	848.4	524.5	266.4	140.8	88.0	62.2	49.3	39.9	38.7
97.5°	1287.3	1110.2	757.6	418.7	229.5	146.4	108.5	85.2	72.3	65.7	64.3
100°	1352.9	1059.6	675.9	380.2	227.6	159.6	124.4	102.1	89.2	84.5	82.1
102.5°	1313.5	970.4	613.9	364.3	236.1	175.5	141.3	120.9	107.0	103.3	101.9
105°	1187.5	850.7	553.8	357.9	253.5	201.9	169.0	150.2	138.5	132.6	132.6
107.5°	1058.9	768.3	528.5	368.7	279.2	229.2	199.8	180.3	170.6	165.0	162.6
110°	985.6	729.8	521.0	379.0	298.0	249.9	219.4	201.9	191.3	186.6	184.2



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	931.2	707.3	521.0	392.1	315.9	269.6	240.0	222.5	211.9	208.1	205.8
115°	871.8	683.0	524.5	411.8	343.9	300.4	271.0	253.5	242.9	239.3	237.0
117.5°	836.4	671.0	532.3	434.4	372.4	331.3	303.0	283.1	272.5	268.7	265.2
120°	816.7	665.3	539.8	449.4	393.1	352.0	322.7	302.8	292.2	287.5	284.0
122.5°	799.8	660.7	546.3	466.4	412.8	371.7	342.4	320.5	310.0	306.3	303.7
125°	776.8	654.8	557.3	489.3	438.9	400.1	369.6	347.3	336.8	330.9	328.5
127.5°	755.7	652.0	569.8	510.5	463.9	426.7	396.2	372.4	359.1	351.5	348.0
130°	741.6	650.1	577.3	524.5	479.9	443.5	413.0	388.4	373.1	363.8	360.2
132.5°	730.3	650.1	585.7	536.7	494.9	458.6	428.1	402.5	385.4	374.1	369.6
135°	717.0	650.1	597.2	553.8	515.1	478.8	447.1	422.4	403.6	389.6	384.9
137.5°	705.0	651.5	607.8	566.5	529.5	496.3	463.7	439.6	420.8	407.7	404.1
140°	699.3	652.4	612.5	575.0	539.8	505.7	474.0	451.8	433.0	418.9	415.4
142.5°	694.7	653.4	615.3	579.7	546.3	514.2	484.4	463.0	444.2	431.1	428.5
145°	687.6	652.4	618.4	586.7	557.3	526.8	499.9	478.8	462.3	450.6	448.3
147.5°	680.3	649.3	619.6	591.0	564.4	537.7	513.9	495.6	480.4	470.3	468.9
150°	674.7	646.5	619.6	593.8	569.1	543.3	523.3	507.0	491.7	483.4	481.1
152.5°	668.1	642.8	618.6	595.6	573.8	549.9	531.8	516.3	502.9	495.6	494.2
155°	657.1	636.0	616.0	597.2	578.5	558.6	542.1	530.4	518.7	511.6	511.6
157.5°	646.8	628.9	613.0	598.4	582.5	565.3	552.9	542.6	532.5	526.8	527.1
160°	638.3	624.3	610.2	598.4	584.4	569.1	558.6	549.2	541.0	536.2	537.5
162.5°	630.9	618.6	607.3	597.5	586.2	572.9	564.2	556.6	549.4	544.7	545.8
165°	619.6	610.2	603.1	596.1	586.7	577.3	570.3	565.6	559.8	556.2	558.6
167.5°	608.5	602.0	596.5	593.3	586.7	579.0	574.5	571.2	567.9	565.8	567.0
170°	602.0	597.2	593.8	591.4	586.7	580.9	577.3	575.0	572.6	571.5	572.6
172.5°	595.4	591.7	590.0	589.6	585.7	580.9	579.2	577.7	575.4	574.3	576.4
175°	586.7	585.5	585.5	586.7	584.4	580.9	580.9	580.9	579.7	578.5	580.9
177.5°	583.0	582.0	582.0	583.9	583.0	581.1	581.1	582.0	581.1	581.1	583.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-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°	5.4	6.0	7.0	8.4	9.4	10.4	11.3	11.1	10.8	10.5	10.2
90°	2.3	4.6	7.1	9.4	11.7	12.9	15.2	16.5	18.8	20.0	21.1
92.5°	17.4	27.3	41.8	62.0	96.2	160.3	267.8	384.5	378.3	306.3	207.9
95°	39.9	49.3	62.2	88.0	140.8	266.4	524.5	848.4	1039.7	1017.3	843.6
97.5°	65.7	72.3	85.2	108.5	146.4	229.5	418.7	757.6	1110.2	1287.3	1256.5
100°	84.5	89.2	102.1	124.4	159.6	227.6	380.2	675.9	1059.6	1352.9	1443.3
102.5°	103.3	107.0	120.9	141.3	175.5	236.1	364.3	613.9	970.4	1313.5	1506.2
105°	132.6	138.5	150.2	169.0	201.9	253.5	357.9	553.8	850.7	1187.5	1469.2
107.5°	165.0	170.6	180.3	199.8	229.2	279.2	368.7	528.5	768.3	1058.9	1336.8
110°	186.6	191.3	201.9	219.4	249.9	298.0	379.0	521.0	729.8	985.6	1239.1



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	208.1	211.9	222.5	240.0	269.6	315.9	392.1	521.0	707.3	931.2	1162.2
115°	239.3	242.9	253.5	271.0	300.4	343.9	411.8	524.5	683.0	871.8	1065.5
117.5°	268.7	272.5	283.1	303.0	331.3	372.4	434.4	532.3	671.0	836.4	1003.0
120°	287.5	292.2	302.8	322.7	352.0	393.1	449.4	539.8	665.3	816.7	969.3
122.5°	306.3	310.0	320.5	342.4	371.7	412.8	466.4	546.3	660.7	799.8	943.9
125°	330.9	336.8	347.3	369.6	400.1	438.9	489.3	557.3	654.8	776.8	907.1
127.5°	351.5	359.1	372.4	396.2	426.7	463.9	510.5	569.8	652.0	755.7	869.5
130°	363.8	373.1	388.4	413.0	443.5	479.9	524.5	577.3	650.1	741.6	846.1
132.5°	374.1	385.4	402.5	428.1	458.6	494.9	536.7	585.7	650.1	730.3	822.5
135°	389.6	403.6	422.4	447.1	478.8	515.1	553.8	597.2	650.1	717.0	792.0
137.5°	407.7	420.8	439.6	463.7	496.3	529.5	566.5	607.8	651.5	705.0	766.3
140°	418.9	433.0	451.8	474.0	505.7	539.8	575.0	612.5	652.4	699.3	752.1
142.5°	431.1	444.2	463.0	484.4	514.2	546.3	579.7	615.3	653.4	694.7	739.9
145°	450.6	462.3	478.8	499.9	526.8	557.3	586.7	618.4	652.4	687.6	724.0
147.5°	470.3	480.4	495.6	513.9	537.7	564.4	591.0	619.6	649.3	680.3	709.0
150°	483.4	491.7	507.0	523.3	543.3	569.1	593.8	619.6	646.5	674.7	700.5
152.5°	495.6	502.9	516.3	531.8	549.9	573.8	595.6	618.6	642.8	668.1	691.2
155°	511.6	518.7	530.4	542.1	558.6	578.5	597.2	616.0	636.0	657.1	677.0
157.5°	526.8	532.5	542.6	552.9	565.3	582.5	598.4	613.0	628.9	646.8	663.0
160°	536.2	541.0	549.2	558.6	569.1	584.4	598.4	610.2	624.3	638.3	653.6
162.5°	544.7	549.4	556.6	564.2	572.9	586.2	597.5	607.3	618.6	630.9	643.3
165°	556.2	559.8	565.6	570.3	577.3	586.7	596.1	603.1	610.2	619.6	628.9
167.5°	565.8	567.9	571.2	574.5	579.0	586.7	593.3	596.5	602.0	608.5	615.3
170°	571.5	572.6	575.0	577.3	580.9	586.7	591.4	593.8	597.2	602.0	607.8
172.5°	574.3	575.4	577.7	579.2	580.9	585.7	589.6	590.0	591.7	595.4	599.4
175°	578.5	579.7	580.9	580.9	580.9	584.4	586.7	585.5	585.5	586.7	590.3
177.5°	581.1	581.1	582.0	581.1	581.1	583.0	583.9	582.0	582.0	583.0	583.9
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

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°	10.4	9.9	10.4	10.2	10.2	10.3	9.9
90°	22.3	23.4	25.9	25.9	25.9	27.0	27.0
92.5°	150.9	113.6	96.2	81.2	78.4	76.7	74.8
95°	665.3	521.0	422.4	339.1	303.9	294.6	275.8
97.5°	1131.5	990.9	853.7	781.2	715.6	681.6	666.5
100°	1385.8	1265.0	1142.9	1062.0	977.4	934.0	915.2
102.5°	1541.7	1483.7	1401.1	1314.4	1254.4	1207.2	1193.2
105°	1629.9	1681.5	1668.6	1631.0	1592.4	1568.8	1554.8
107.5°	1551.3	1683.8	1745.1	1764.1	1763.9	1756.2	1746.8
110°	1462.1	1627.5	1727.3	1780.1	1802.4	1810.6	1810.6



TEST NUMBER: P333153-840

CATALOG NUMBER: S125DIP-S375D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1373.8	1541.2	1658.7	1736.0	1774.2	1794.6	1803.1
115°	1247.4	1408.1	1536.0	1627.5	1683.8	1716.7	1731.9
117.5°	1159.8	1298.3	1415.6	1507.1	1565.4	1598.0	1607.3
120°	1110.0	1239.1	1342.4	1429.3	1485.5	1517.2	1526.6
122.5°	1074.4	1189.4	1286.1	1363.5	1415.1	1446.8	1455.3
125°	1026.7	1128.8	1213.4	1279.0	1327.2	1352.9	1364.7
127.5°	981.2	1076.5	1155.6	1215.2	1257.7	1282.1	1287.3
130°	949.3	1040.9	1117.1	1175.8	1214.5	1238.0	1245.0
132.5°	919.3	1002.3	1075.8	1134.5	1173.2	1194.8	1202.7
135°	873.0	948.2	1015.0	1066.6	1105.4	1126.5	1133.6
137.5°	831.7	894.1	951.0	997.1	1032.4	1051.9	1059.6
140°	807.3	861.3	910.6	954.0	984.5	1002.1	1007.9
142.5°	786.7	833.1	875.9	912.7	938.5	955.1	960.1
145°	760.3	796.8	828.4	856.6	876.6	889.5	894.1
147.5°	738.5	766.5	790.4	812.7	828.7	836.2	838.3
150°	726.4	748.6	769.7	787.4	801.4	806.2	807.3
152.5°	714.2	734.6	751.0	765.8	777.0	781.7	782.9
155°	695.8	712.3	725.2	736.9	745.1	748.6	749.8
157.5°	678.4	691.2	701.3	710.3	717.2	720.4	720.2
160°	665.3	677.0	685.3	693.5	699.3	701.8	700.5
162.5°	654.1	663.9	671.2	677.5	682.5	683.0	682.7
165°	637.1	644.2	650.1	654.8	657.1	657.1	657.1
167.5°	620.8	626.1	630.4	632.7	634.8	633.9	633.7
170°	611.4	614.9	617.2	619.6	620.8	620.8	619.6
172.5°	602.9	605.5	606.9	607.3	609.5	607.6	606.4
175°	590.3	592.6	592.6	592.6	593.8	591.4	590.3
177.5°	584.8	584.8	584.8	583.9	584.8	582.0	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0

(END OF REPORT)