

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: P333516-840

Luminaire Tested: **S125RDIP-S375D1205U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333516-840  
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: S125RDIP-S375D1205U840-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5840.6 lumens  
Efficiency: N/A  
Efficacy: 138.4 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

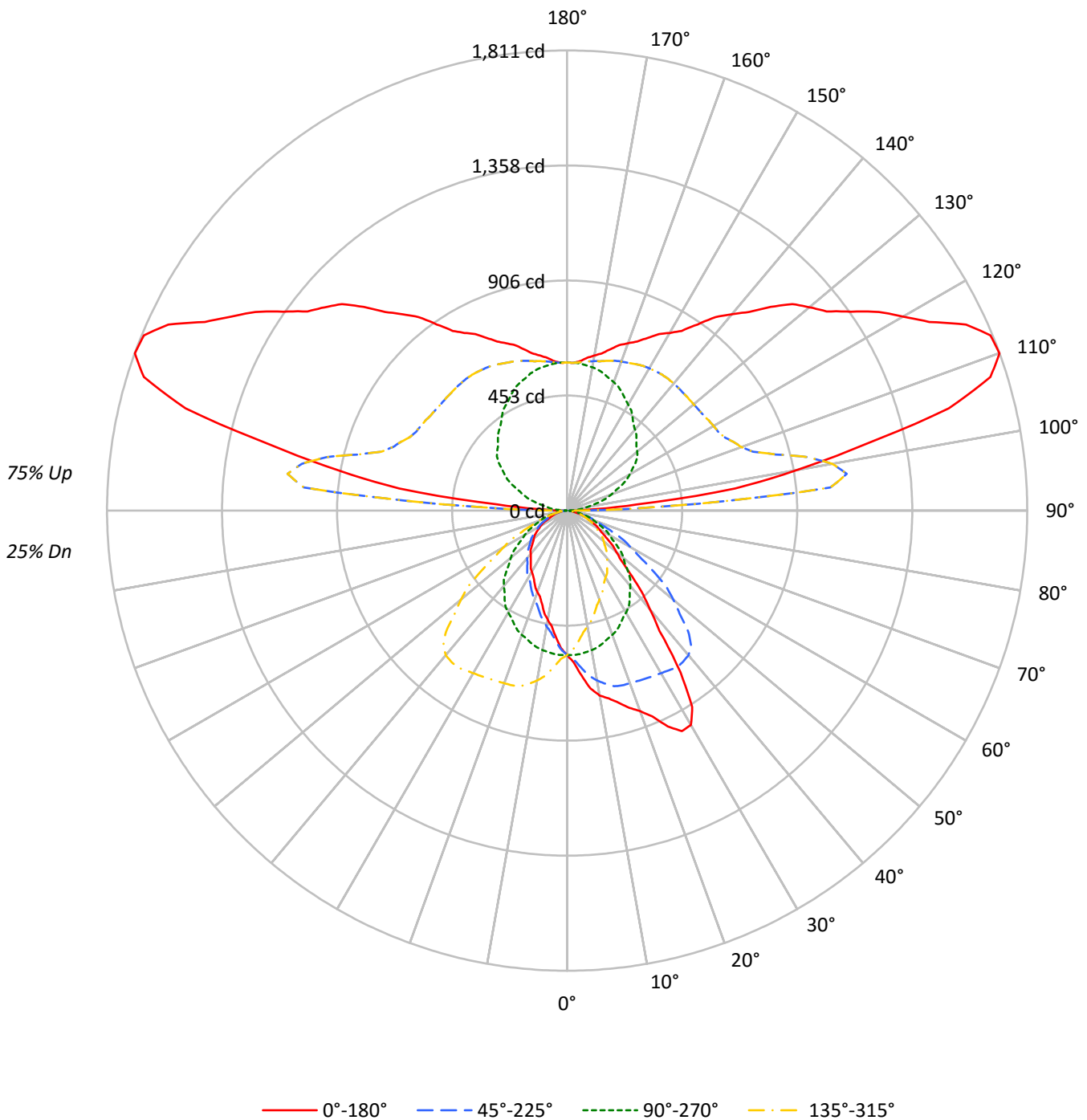
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	33	33	33	25				
1	92	88	85	81	82	79	76	73	61	59	57	45	44	43	30	29	29	22				
2	84	77	72	67	75	69	64	60	54	51	48	40	38	36	26	25	24	18				
3	77	68	61	56	68	61	55	50	48	44	40	35	33	30	24	22	21	16				
4	70	60	53	47	62	54	48	43	42	38	34	31	28	26	21	19	18	14				
5	65	54	46	40	57	48	41	37	38	33	30	28	25	23	19	17	16	12				
6	59	48	40	35	53	43	36	32	34	29	26	25	22	20	17	15	14	11				
7	55	43	36	30	49	39	32	28	31	26	22	23	20	17	16	14	12	9				
8	51	39	32	27	45	35	29	24	28	23	20	21	18	15	14	13	11	8				
9	47	35	28	24	42	32	26	22	25	21	18	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°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	0.9
10°-20°	159.7	2.7
20°-30°	253.3	4.3
30°-40°	305.4	5.2
40°-50°	272.8	4.7
50°-60°	209.2	3.6
60°-70°	135.9	2.3
70°-80°	66.1	1.1
80°-90°	19.0	0.3
90°-100°	421.9	7.2
100°-110°	906.9	15.5
110°-120°	851.1	14.6
120°-130°	689.8	11.8
130°-140°	553.5	9.5
140°-150°	417.7	7.2
150°-160°	294.0	5.0
160°-170°	173.3	3.0
170°-180°	56.4	1.0
0°-30°	467.5	8.0
0°-40°	773.0	13.2
0°-60°	1254.9	21.5
0°-90°	1476.0	25.3
90°-120°	2179.9	37.3
90°-150°	3840.9	65.8
90°-180°	4365.0	74.7
0°-180°	5840.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	9.5	9.3	8.9	8.9	9.1	9.0	8.6	8.2	7.9	7.7	7.4
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



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**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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	7.4	6.9	6.9	6.4	5.7	6.2	6.3	6.2	6.1	6.2	6.3
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: P333516-840

CATALOG NUMBER: S125RDIP-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: P333516-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	6.6	7.0	7.1	7.9	7.6	8.3	8.5	8.5	8.8	9.0	9.3
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: P333516-840

CATALOG NUMBER: S125RDIP-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: P333516-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	9.5	9.3	9.5	9.5	9.5	9.3	9.5	9.3	9.0	8.8	8.5
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: P333516-840

CATALOG NUMBER: S125RDIP-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: P333516-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	8.5	8.3	7.6	7.9	7.1	7.0	6.6	6.3	6.2	6.1	6.2
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: P333516-840

CATALOG NUMBER: S125RDIP-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: P333516-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.3	6.2	5.7	6.4	6.9	6.9	7.4	7.4	7.7	7.9	8.2
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





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**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



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	8.6	9.0	9.1	8.9	8.9	9.3	9.5
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



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**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)