

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: P333126-840

Luminaire Tested: **S125DIP-S375D590U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333126-840  
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-S375D590U840-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3695.6 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

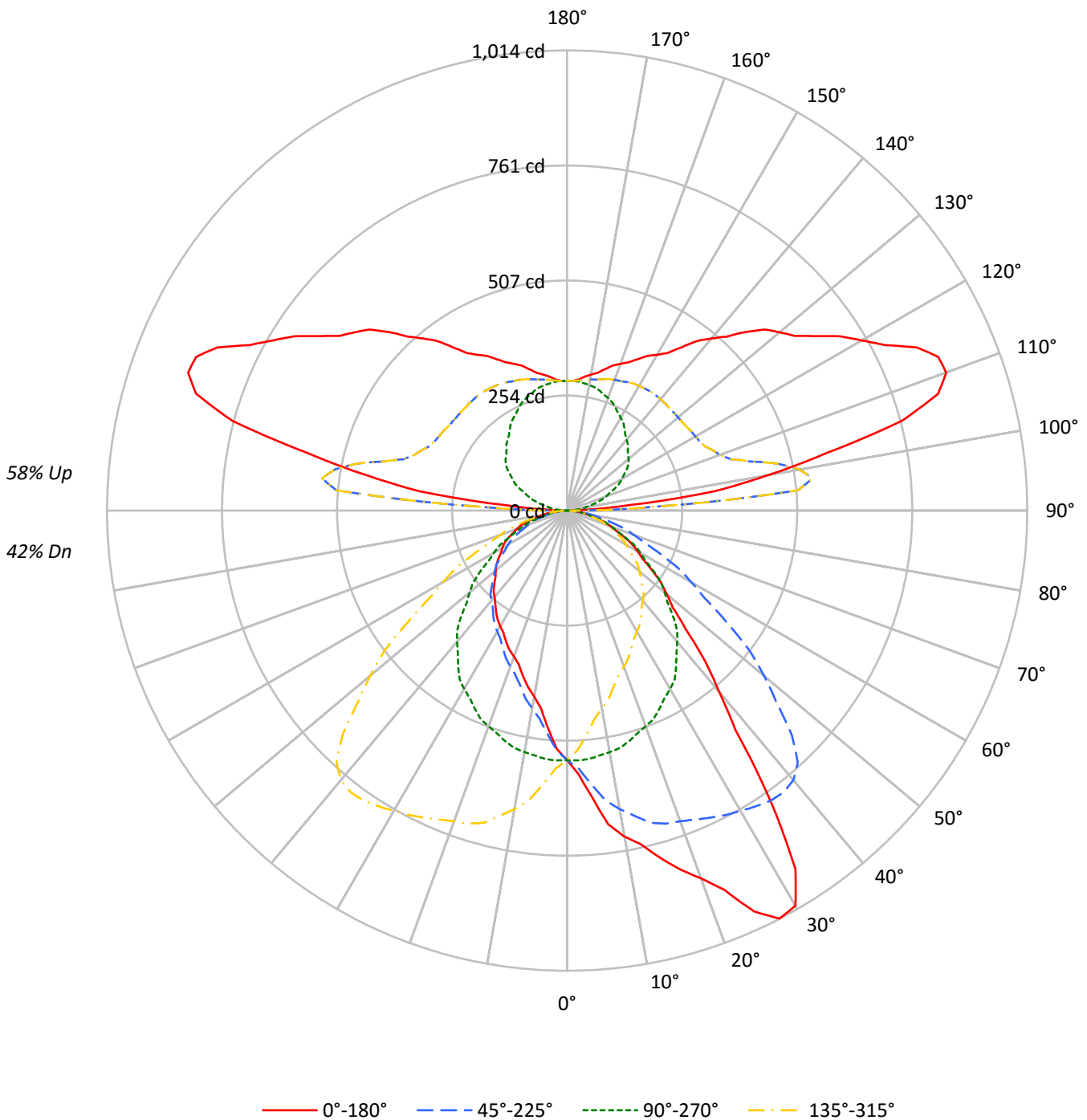
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42				
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	42	36				
2	88	81	75	70	80	74	69	64	61	57	54	49	47	44	38	37	35	30				
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26				
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	31	28	26	22				
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	28	25	23	19				
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	20	17				
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	14				
9	49	37	30	25	45	35	28	23	29	24	20	24	20	17	19	16	14	12				
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11				

**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	1.4
10°-20°	157.6	4.3
20°-30°	255.9	6.9
30°-40°	312.1	8.4
40°-50°	283.9	7.7
50°-60°	226.2	6.1
60°-70°	157.5	4.3
70°-80°	84.0	2.3
80°-90°	22.8	0.6
90°-100°	207.1	5.6
100°-110°	445.2	12.0
110°-120°	417.8	11.3
120°-130°	338.6	9.2
130°-140°	271.7	7.4
140°-150°	205.1	5.5
150°-160°	144.3	3.9
160°-170°	85.1	2.3
170°-180°	27.7	0.7
0°-30°	466.4	12.6
0°-40°	778.5	21.1
0°-60°	1288.6	34.9
0°-90°	1552.9	42.0
90°-120°	1070.2	29.0
90°-150°	1885.6	51.0
90°-180°	2143.0	58.0
0°-180°	3695.6	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°	13	1	13	1	13	10
95°	135	19	135	19	135	192
105°	763	65	763	65	763	759
115°	850	116	850	116	850	831
125°	670	161	670	161	670	606
135°	556	189	556	189	556	431
145°	439	220	439	220	439	279
155°	368	251	368	251	368	172
165°	323	274	323	274	323	92
175°	290	285	290	285	290	28
180°	286	286	286	286	286	



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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°	7.2	7.5	7.6	7.6	7.8	7.6	8.2	8.1	8.5	8.9	9.5
90°	13.2	13.2	12.6	12.6	12.6	11.5	10.9	10.4	9.8	9.2	8.1
92.5°	36.8	37.7	38.5	39.9	47.3	55.7	74.1	102.1	150.4	185.7	188.7
95°	135.4	144.6	149.2	166.5	207.4	255.8	326.6	414.1	499.5	510.4	416.5
97.5°	327.2	334.6	351.2	383.5	419.1	486.5	555.4	616.8	632.0	545.0	371.9
100°	449.3	458.6	479.9	521.3	561.1	621.0	680.3	708.5	664.2	520.2	331.8
102.5°	585.7	592.7	615.8	645.3	687.8	728.3	756.8	739.4	644.8	476.4	301.3
105°	763.3	770.2	781.7	800.7	819.1	825.5	800.1	721.2	583.0	417.7	271.9
107.5°	857.5	862.1	866.0	866.1	856.7	826.7	761.5	656.2	519.9	377.2	259.4
110°	888.9	888.9	884.8	873.8	848.0	799.0	717.8	608.3	483.9	358.3	255.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	885.1	881.0	871.0	852.2	814.4	756.6	674.5	570.6	457.2	347.3	255.8
115°	850.3	842.7	826.7	799.0	754.1	691.3	612.4	523.0	428.0	335.3	257.5
117.5°	789.1	784.5	768.5	739.9	695.0	637.3	569.4	492.4	410.6	329.4	261.3
120°	749.4	744.9	729.3	701.7	659.0	608.3	544.9	475.8	400.9	326.6	265.0
122.5°	714.4	710.2	694.7	669.3	631.4	583.9	527.5	463.4	392.6	324.4	268.2
125°	669.9	664.2	651.6	627.9	595.6	554.2	504.0	445.2	381.3	321.4	273.7
127.5°	632.0	629.3	617.4	596.5	567.3	528.5	481.7	426.9	371.0	320.0	279.7
130°	611.2	607.7	596.2	577.2	548.4	511.0	466.1	415.4	364.1	319.1	283.5
132.5°	590.5	586.5	575.9	556.9	528.2	492.1	451.3	403.8	358.5	319.1	287.6
135°	556.4	553.0	542.6	523.6	498.3	465.4	428.6	388.8	351.9	319.1	293.2
137.5°	520.2	516.3	506.9	489.5	466.9	439.0	408.3	376.2	346.1	319.8	298.4
140°	494.8	491.9	483.3	468.4	447.1	422.8	396.4	369.2	343.4	320.3	300.7
142.5°	471.3	468.9	460.7	448.1	430.0	409.0	386.2	363.2	341.0	320.7	302.1
145°	439.0	436.7	430.3	420.5	406.7	391.1	373.2	355.5	337.6	320.3	303.6
147.5°	411.5	410.5	406.8	399.0	388.0	376.3	362.5	348.1	334.0	318.8	304.2
150°	396.4	395.8	393.4	386.6	377.9	367.5	356.6	343.9	331.2	317.4	304.2
152.5°	384.4	383.7	381.4	376.0	368.7	360.6	350.6	339.3	328.0	315.6	303.7
155°	368.1	367.5	365.8	361.7	356.0	349.6	341.6	332.3	322.6	312.3	302.5
157.5°	353.6	353.7	352.0	348.7	344.3	339.3	333.1	325.5	317.5	308.7	300.9
160°	343.9	344.5	343.4	340.4	336.4	332.3	326.6	320.8	313.4	306.5	299.5
162.5°	335.2	335.3	335.1	332.6	329.5	325.9	321.1	315.8	309.7	303.7	298.2
165°	322.6	322.6	322.6	321.4	319.1	316.3	312.8	308.7	304.2	299.5	296.1
167.5°	311.0	311.1	311.6	310.6	309.4	307.4	304.8	302.1	298.7	295.5	292.9
170°	304.2	304.8	304.8	304.2	303.0	301.8	300.1	298.4	295.5	293.2	291.4
172.5°	297.7	298.3	299.2	298.2	297.9	297.2	296.0	294.3	292.3	290.4	289.6
175°	289.7	290.3	291.4	290.9	290.9	290.9	289.7	289.7	288.0	287.4	287.4
177.5°	285.7	285.7	287.1	286.6	287.1	287.1	287.1	286.6	286.2	285.7	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	565.6	564.3	562.8	560.2	557.0	555.3	552.8	551.1	547.8	544.9	541.9
5°	594.3	588.2	582.7	575.4	567.5	562.4	556.3	549.6	542.5	535.3	527.4
7.5°	624.1	613.3	601.7	589.2	576.8	565.5	554.7	544.2	534.3	522.3	512.2
10°	644.0	630.5	616.0	599.1	582.4	567.9	553.3	540.5	527.4	513.4	501.0
12.5°	664.0	646.0	625.5	606.8	586.9	569.5	552.2	535.7	519.4	503.8	489.4
15°	678.1	662.3	643.4	616.7	594.3	570.3	547.4	526.2	506.3	489.1	470.9
17.5°	687.4	666.9	646.6	621.2	591.8	564.9	539.0	514.6	492.3	470.4	452.9
20°	689.0	668.0	646.8	621.9	591.8	561.0	535.0	505.9	481.9	459.2	437.8
22.5°	688.5	664.7	641.6	615.9	586.5	558.2	526.8	497.2	471.0	448.8	426.4
25°	683.3	657.8	628.8	603.0	574.0	543.9	512.2	481.4	454.8	429.4	407.2
27.5°	678.8	645.9	613.1	582.9	554.9	527.4	497.0	465.4	436.0	410.2	389.3
30°	673.5	637.2	600.4	568.9	540.2	513.4	484.6	453.8	423.0	397.9	375.5
32.5°	668.6	626.4	587.5	553.2	522.8	496.8	470.3	441.0	410.7	385.2	362.7
35°	659.2	610.5	565.8	527.1	494.7	467.9	445.7	418.4	390.6	365.9	344.5
37.5°	647.3	589.5	541.6	501.0	465.4	437.2	416.6	395.6	368.9	345.1	325.7
40°	637.9	574.5	523.8	482.3	445.5	416.1	396.9	377.1	355.0	332.8	312.3
42.5°	626.2	561.1	505.9	461.2	424.7	396.1	376.0	359.2	339.6	318.9	299.9
45°	604.6	536.7	477.0	428.9	392.0	363.8	343.1	330.4	315.7	296.1	280.0
47.5°	572.8	507.5	445.7	396.1	358.0	331.8	312.4	300.2	289.9	275.4	260.7
50°	544.6	485.6	423.0	373.9	335.8	309.4	291.4	280.4	271.7	260.4	248.0
52.5°	513.1	458.2	400.8	352.1	314.5	288.5	270.9	261.3	253.9	245.9	233.7
55°	462.9	416.3	363.0	316.9	282.2	256.7	241.3	232.9	226.8	220.8	213.3
57.5°	407.8	371.2	324.2	281.9	249.8	226.7	212.4	204.2	199.4	196.3	192.0
60°	368.9	337.7	297.1	258.5	227.3	206.7	192.8	186.4	182.5	180.0	176.6
62.5°	332.9	307.2	269.6	234.5	207.1	187.7	175.2	169.1	165.3	164.0	161.4
65°	279.8	259.9	228.9	199.8	176.4	159.9	149.4	143.5	141.2	139.8	140.0
67.5°	227.4	215.4	190.5	165.6	146.9	133.1	124.6	120.2	119.0	117.1	117.1
70°	195.5	186.4	165.4	143.7	127.1	116.4	109.0	104.3	103.1	102.2	102.0
72.5°	167.3	159.4	141.2	123.8	108.9	99.5	93.3	90.5	88.6	88.1	88.0
75°	125.7	121.4	106.8	93.1	82.8	76.3	72.1	69.6	68.2	67.9	68.2
77.5°	89.4	85.5	76.3	66.6	60.1	55.1	51.6	50.7	49.2	49.2	49.0
80°	67.2	64.6	58.8	51.1	45.7	41.5	39.7	38.1	37.6	36.9	37.6
82.5°	48.7	45.9	42.0	37.1	32.6	30.2	28.3	27.8	27.5	27.2	27.3
85°	24.0	24.2	21.9	18.2	16.4	14.9	13.7	13.7	13.5	13.3	13.5
87.5°	9.7	9.1	8.3	7.5	6.3	5.5	5.0	5.2	4.7	4.7	5.2
90°	7.5	6.4	5.8	4.6	3.4	2.3	1.1	0.6	1.1	2.3	3.4
92.5°	131.5	78.7	47.3	30.4	20.5	13.3	8.5	7.1	8.5	13.3	20.5
95°	257.5	130.8	69.2	43.2	30.5	24.2	19.6	19.0	19.6	24.2	30.5
97.5°	205.5	112.7	71.9	53.2	41.8	35.4	32.2	31.6	32.2	35.4	41.8
100°	186.6	111.8	78.4	61.1	50.1	43.8	41.5	40.3	41.5	43.8	50.1
102.5°	178.8	115.9	86.1	69.4	59.4	52.5	50.7	50.0	50.7	52.5	59.4
105°	175.7	124.4	99.1	82.9	73.7	68.0	65.1	65.1	65.1	68.0	73.7
107.5°	181.0	137.1	112.6	98.1	88.5	83.7	81.0	79.9	81.0	83.7	88.5
110°	186.0	146.3	122.7	107.8	99.1	93.9	91.6	90.5	91.6	93.9	99.1





TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	192.5	155.1	132.4	117.9	109.3	104.0	102.2	101.1	102.2	104.0	109.3
115°	202.2	168.7	147.4	133.1	124.4	119.3	117.5	116.3	117.5	119.3	124.4
117.5°	213.3	182.9	162.7	148.8	139.0	133.8	131.9	130.2	131.9	133.8	139.0
120°	220.7	193.0	172.8	158.4	148.7	143.4	141.2	139.4	141.2	143.4	148.7
122.5°	228.9	202.7	182.5	168.1	157.3	152.2	150.4	149.1	150.4	152.2	157.3
125°	240.2	215.4	196.4	181.5	170.5	165.3	162.5	161.3	162.5	165.3	170.5
127.5°	250.5	227.7	209.4	194.5	182.9	176.3	172.6	170.9	172.6	176.3	182.9
130°	257.5	235.6	217.7	202.8	190.7	183.2	178.5	176.8	178.5	183.2	190.7
132.5°	263.5	243.0	225.1	210.2	197.6	189.1	183.7	181.5	183.7	189.1	197.6
135°	271.9	252.9	235.0	219.4	207.4	198.1	191.3	188.9	191.3	198.1	207.4
137.5°	278.1	259.9	243.7	227.6	215.8	206.6	200.2	198.4	200.2	206.6	215.8
140°	282.3	265.0	248.3	232.8	221.8	212.6	205.6	203.9	205.6	212.6	221.8
142.5°	284.6	268.2	252.5	237.8	227.3	218.1	211.7	210.4	211.7	218.1	227.3
145°	288.0	273.7	258.6	245.4	235.0	226.9	221.2	220.0	221.2	226.9	235.0
147.5°	290.1	277.1	264.0	252.3	243.3	235.8	230.9	230.1	230.9	235.8	243.3
150°	291.4	279.4	266.7	256.9	248.8	241.4	237.3	236.2	237.3	241.4	248.8
152.5°	292.4	281.7	269.9	261.1	253.5	246.9	243.3	242.7	243.3	246.9	253.5
155°	293.2	284.0	274.2	266.1	260.3	254.6	251.2	251.2	251.2	254.6	260.3
157.5°	293.8	286.0	277.5	271.5	266.4	261.5	258.6	258.7	258.6	261.5	266.4
160°	293.8	286.9	279.4	274.2	269.6	265.6	263.3	263.9	263.3	265.6	269.6
162.5°	293.4	287.8	281.2	277.0	273.3	269.7	267.4	268.0	267.4	269.7	273.3
165°	292.7	288.0	283.5	279.9	277.6	274.8	273.1	274.2	273.1	274.8	277.6
167.5°	291.2	288.0	284.2	282.1	280.4	278.8	277.8	278.3	277.8	278.8	280.4
170°	290.3	288.0	285.2	283.5	282.3	281.1	280.5	281.1	280.5	281.1	282.3
172.5°	289.4	287.6	285.2	284.4	283.7	282.5	282.0	283.0	282.0	282.5	283.7
175°	288.0	286.9	285.2	285.2	285.2	284.6	284.0	285.2	284.0	284.6	285.2
177.5°	286.6	286.2	285.3	285.3	285.7	285.3	285.3	286.2	285.3	285.3	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-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°	5.6	6.2	6.2	6.6	6.7	7.3	7.2	8.1	8.6	9.0	9.1
90°	4.6	5.8	6.4	7.5	8.1	9.2	9.8	10.4	10.9	11.5	12.6
92.5°	30.4	47.3	78.7	131.5	188.7	185.7	150.4	102.1	74.1	55.7	47.3
95°	43.2	69.2	130.8	257.5	416.5	510.4	499.5	414.1	326.6	255.8	207.4
97.5°	53.2	71.9	112.7	205.5	371.9	545.0	632.0	616.8	555.4	486.5	419.1
100°	61.1	78.4	111.8	186.6	331.8	520.2	664.2	708.5	680.3	621.0	561.1
102.5°	69.4	86.1	115.9	178.8	301.3	476.4	644.8	739.4	756.8	728.3	687.8
105°	82.9	99.1	124.4	175.7	271.9	417.7	583.0	721.2	800.1	825.5	819.1
107.5°	98.1	112.6	137.1	181.0	259.4	377.2	519.9	656.2	761.5	826.7	856.7
110°	107.8	122.7	146.3	186.0	255.8	358.3	483.9	608.3	717.8	799.0	848.0



TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	117.9	132.4	155.1	192.5	255.8	347.3	457.2	570.6	674.5	756.6	814.4
115°	133.1	147.4	168.7	202.2	257.5	335.3	428.0	523.0	612.4	691.3	754.1
117.5°	148.8	162.7	182.9	213.3	261.3	329.4	410.6	492.4	569.4	637.3	695.0
120°	158.4	172.8	193.0	220.7	265.0	326.6	400.9	475.8	544.9	608.3	659.0
122.5°	168.1	182.5	202.7	228.9	268.2	324.4	392.6	463.4	527.5	583.9	631.4
125°	181.5	196.4	215.4	240.2	273.7	321.4	381.3	445.2	504.0	554.2	595.6
127.5°	194.5	209.4	227.7	250.5	279.7	320.0	371.0	426.9	481.7	528.5	567.3
130°	202.8	217.7	235.6	257.5	283.5	319.1	364.1	415.4	466.1	511.0	548.4
132.5°	210.2	225.1	243.0	263.5	287.6	319.1	358.5	403.8	451.3	492.1	528.2
135°	219.4	235.0	252.9	271.9	293.2	319.1	351.9	388.8	428.6	465.4	498.3
137.5°	227.6	243.7	259.9	278.1	298.4	319.8	346.1	376.2	408.3	439.0	466.9
140°	232.8	248.3	265.0	282.3	300.7	320.3	343.4	369.2	396.4	422.8	447.1
142.5°	237.8	252.5	268.2	284.6	302.1	320.7	341.0	363.2	386.2	409.0	430.0
145°	245.4	258.6	273.7	288.0	303.6	320.3	337.6	355.5	373.2	391.1	406.7
147.5°	252.3	264.0	277.1	290.1	304.2	318.8	334.0	348.1	362.5	376.3	388.0
150°	256.9	266.7	279.4	291.4	304.2	317.4	331.2	343.9	356.6	367.5	377.9
152.5°	261.1	269.9	281.7	292.4	303.7	315.6	328.0	339.3	350.6	360.6	368.7
155°	266.1	274.2	284.0	293.2	302.5	312.3	322.6	332.3	341.6	349.6	356.0
157.5°	271.5	277.5	286.0	293.8	300.9	308.7	317.5	325.5	333.1	339.3	344.3
160°	274.2	279.4	286.9	293.8	299.5	306.5	313.4	320.8	326.6	332.3	336.4
162.5°	277.0	281.2	287.8	293.4	298.2	303.7	309.7	315.8	321.1	325.9	329.5
165°	279.9	283.5	288.0	292.7	296.1	299.5	304.2	308.7	312.8	316.3	319.1
167.5°	282.1	284.2	288.0	291.2	292.9	295.5	298.7	302.1	304.8	307.4	309.4
170°	283.5	285.2	288.0	290.3	291.4	293.2	295.5	298.4	300.1	301.8	303.0
172.5°	284.4	285.2	287.6	289.4	289.6	290.4	292.3	294.3	296.0	297.2	297.9
175°	285.2	285.2	286.9	288.0	287.4	287.4	288.0	289.7	289.7	290.9	290.9
177.5°	285.3	285.3	286.2	286.6	285.7	285.7	286.2	286.6	287.1	287.1	287.1
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-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°	9.4	9.3	9.4	9.7	9.4	9.3	9.4	9.1	9.0	8.6	8.1
90°	12.6	12.6	13.2	13.2	13.2	12.6	12.6	12.6	11.5	10.9	10.4
92.5°	39.9	38.5	37.7	36.8	37.7	38.5	39.9	47.3	55.7	74.1	102.1
95°	166.5	149.2	144.6	135.4	144.6	149.2	166.5	207.4	255.8	326.6	414.1
97.5°	383.5	351.2	334.6	327.2	334.6	351.2	383.5	419.1	486.5	555.4	616.8
100°	521.3	479.9	458.6	449.3	458.6	479.9	521.3	561.1	621.0	680.3	708.5
102.5°	645.3	615.8	592.7	585.7	592.7	615.8	645.3	687.8	728.3	756.8	739.4
105°	800.7	781.7	770.2	763.3	770.2	781.7	800.7	819.1	825.5	800.1	721.2
107.5°	866.1	866.0	862.1	857.5	862.1	866.0	866.1	856.7	826.7	761.5	656.2
110°	873.8	884.8	888.9	888.9	888.9	884.8	873.8	848.0	799.0	717.8	608.3



TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	852.2	871.0	881.0	885.1	881.0	871.0	852.2	814.4	756.6	674.5	570.6
115°	799.0	826.7	842.7	850.3	842.7	826.7	799.0	754.1	691.3	612.4	523.0
117.5°	739.9	768.5	784.5	789.1	784.5	768.5	739.9	695.0	637.3	569.4	492.4
120°	701.7	729.3	744.9	749.4	744.9	729.3	701.7	659.0	608.3	544.9	475.8
122.5°	669.3	694.7	710.2	714.4	710.2	694.7	669.3	631.4	583.9	527.5	463.4
125°	627.9	651.6	664.2	669.9	664.2	651.6	627.9	595.6	554.2	504.0	445.2
127.5°	596.5	617.4	629.3	632.0	629.3	617.4	596.5	567.3	528.5	481.7	426.9
130°	577.2	596.2	607.7	611.2	607.7	596.2	577.2	548.4	511.0	466.1	415.4
132.5°	556.9	575.9	586.5	590.5	586.5	575.9	556.9	528.2	492.1	451.3	403.8
135°	523.6	542.6	553.0	556.4	553.0	542.6	523.6	498.3	465.4	428.6	388.8
137.5°	489.5	506.9	516.3	520.2	516.3	506.9	489.5	466.9	439.0	408.3	376.2
140°	468.4	483.3	491.9	494.8	491.9	483.3	468.4	447.1	422.8	396.4	369.2
142.5°	448.1	460.7	468.9	471.3	468.9	460.7	448.1	430.0	409.0	386.2	363.2
145°	420.5	430.3	436.7	439.0	436.7	430.3	420.5	406.7	391.1	373.2	355.5
147.5°	399.0	406.8	410.5	411.5	410.5	406.8	399.0	388.0	376.3	362.5	348.1
150°	386.6	393.4	395.8	396.4	395.8	393.4	386.6	377.9	367.5	356.6	343.9
152.5°	376.0	381.4	383.7	384.4	383.7	381.4	376.0	368.7	360.6	350.6	339.3
155°	361.7	365.8	367.5	368.1	367.5	365.8	361.7	356.0	349.6	341.6	332.3
157.5°	348.7	352.0	353.7	353.6	353.7	352.0	348.7	344.3	339.3	333.1	325.5
160°	340.4	343.4	344.5	343.9	344.5	343.4	340.4	336.4	332.3	326.6	320.8
162.5°	332.6	335.1	335.3	335.2	335.3	335.1	332.6	329.5	325.9	321.1	315.8
165°	321.4	322.6	322.6	322.6	322.6	322.6	321.4	319.1	316.3	312.8	308.7
167.5°	310.6	311.6	311.1	311.0	311.1	311.6	310.6	309.4	307.4	304.8	302.1
170°	304.2	304.8	304.8	304.2	304.8	304.8	304.2	303.0	301.8	300.1	298.4
172.5°	298.2	299.2	298.3	297.7	298.3	299.2	298.2	297.9	297.2	296.0	294.3
175°	290.9	291.4	290.3	289.7	290.3	291.4	290.9	290.9	290.9	289.7	289.7
177.5°	286.6	287.1	285.7	285.7	285.7	287.1	286.6	287.1	287.1	287.1	286.6
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	525.7	528.0	530.7	532.8	536.5	538.2	540.3	541.9	544.9	547.8	551.1
5°	490.3	494.2	499.6	505.4	512.2	516.8	523.4	527.4	535.3	542.5	549.6
7.5°	458.2	463.0	470.6	478.1	487.0	494.9	503.1	512.2	522.3	534.3	544.2
10°	436.2	442.6	450.8	460.2	470.9	480.2	491.2	501.0	513.4	527.4	540.5
12.5°	418.6	424.1	433.2	442.2	453.7	465.1	476.5	489.4	503.8	519.4	535.7
15°	394.4	399.0	406.5	418.9	430.5	441.7	458.8	470.9	489.1	506.3	526.2
17.5°	373.7	379.5	385.8	396.4	408.5	422.4	437.7	452.9	470.4	492.3	514.6
20°	361.0	365.7	372.8	381.0	393.8	407.9	422.3	437.8	459.2	481.9	505.9
22.5°	347.2	352.2	360.4	369.3	380.1	393.5	409.5	426.4	448.8	471.0	497.2
25°	330.9	334.4	341.8	349.8	360.5	371.9	388.5	407.2	429.4	454.8	481.4
27.5°	315.6	318.6	325.4	332.3	342.0	355.6	370.4	389.3	410.2	436.0	465.4
30°	304.5	307.8	313.9	321.3	330.6	342.5	357.7	375.5	397.9	423.0	453.8
32.5°	295.0	297.9	302.5	309.9	319.1	330.6	344.7	362.7	385.2	410.7	441.0
35°	280.2	283.5	287.0	292.9	300.7	311.9	327.4	344.5	365.9	390.6	418.4
37.5°	265.6	269.1	272.3	277.5	284.7	294.6	307.9	325.7	345.1	368.9	395.6
40°	256.4	259.2	261.9	267.4	274.7	284.0	296.4	312.3	332.8	355.0	377.1
42.5°	247.3	249.9	252.1	257.0	263.7	272.6	284.4	299.9	318.9	339.6	359.2
45°	232.9	234.5	237.1	241.3	246.6	254.8	266.2	280.0	296.1	315.7	330.4
47.5°	217.3	219.8	222.0	225.6	230.0	238.0	249.0	260.7	275.4	289.9	300.2
50°	205.3	207.9	211.0	214.5	218.6	226.1	236.1	248.0	260.4	271.7	280.4
52.5°	194.1	196.5	199.8	203.1	208.2	214.5	223.1	233.7	245.9	253.9	261.3
55°	177.5	178.7	182.5	185.7	190.7	195.3	204.0	213.3	220.8	226.8	232.9
57.5°	160.7	162.2	164.4	167.3	172.2	177.6	183.7	192.0	196.3	199.4	204.2
60°	149.8	150.3	151.7	155.2	159.0	163.8	170.8	176.6	180.0	182.5	186.4
62.5°	137.8	137.9	140.3	142.9	145.6	151.0	156.6	161.4	164.0	165.3	169.1
65°	121.1	120.7	122.0	124.1	127.4	130.9	135.8	140.0	139.8	141.2	143.5
67.5°	104.0	103.5	103.5	105.5	108.2	111.3	114.6	117.1	117.1	119.0	120.2
70°	92.4	91.0	91.9	93.6	94.7	97.4	101.1	102.0	102.2	103.1	104.3
72.5°	80.5	80.0	80.7	81.4	82.2	84.2	87.5	88.0	88.1	88.6	90.5
75°	63.9	63.5	63.0	63.7	64.6	66.0	67.2	68.2	67.9	68.2	69.6
77.5°	48.0	46.7	46.4	46.8	47.0	47.9	49.1	49.0	49.2	49.2	50.7
80°	38.1	36.2	36.0	36.0	36.2	36.7	37.1	37.6	36.9	37.6	38.1
82.5°	28.0	26.9	26.8	26.6	26.7	26.8	27.1	27.3	27.2	27.5	27.8
85°	15.5	14.9	14.2	14.7	14.4	13.7	14.2	13.5	13.3	13.5	13.7
87.5°	7.2	7.3	6.7	6.6	6.2	6.2	5.6	5.2	4.7	4.7	5.2
90°	9.8	9.2	8.1	7.5	6.4	5.8	4.6	3.4	2.3	1.1	0.6
92.5°	150.4	185.7	188.7	131.5	78.7	47.3	30.4	20.5	13.3	8.5	7.1
95°	499.5	510.4	416.5	257.5	130.8	69.2	43.2	30.5	24.2	19.6	19.0
97.5°	632.0	545.0	371.9	205.5	112.7	71.9	53.2	41.8	35.4	32.2	31.6
100°	664.2	520.2	331.8	186.6	111.8	78.4	61.1	50.1	43.8	41.5	40.3
102.5°	644.8	476.4	301.3	178.8	115.9	86.1	69.4	59.4	52.5	50.7	50.0
105°	583.0	417.7	271.9	175.7	124.4	99.1	82.9	73.7	68.0	65.1	65.1
107.5°	519.9	377.2	259.4	181.0	137.1	112.6	98.1	88.5	83.7	81.0	79.9
110°	483.9	358.3	255.8	186.0	146.3	122.7	107.8	99.1	93.9	91.6	90.5



TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	457.2	347.3	255.8	192.5	155.1	132.4	117.9	109.3	104.0	102.2	101.1
115°	428.0	335.3	257.5	202.2	168.7	147.4	133.1	124.4	119.3	117.5	116.3
117.5°	410.6	329.4	261.3	213.3	182.9	162.7	148.8	139.0	133.8	131.9	130.2
120°	400.9	326.6	265.0	220.7	193.0	172.8	158.4	148.7	143.4	141.2	139.4
122.5°	392.6	324.4	268.2	228.9	202.7	182.5	168.1	157.3	152.2	150.4	149.1
125°	381.3	321.4	273.7	240.2	215.4	196.4	181.5	170.5	165.3	162.5	161.3
127.5°	371.0	320.0	279.7	250.5	227.7	209.4	194.5	182.9	176.3	172.6	170.9
130°	364.1	319.1	283.5	257.5	235.6	217.7	202.8	190.7	183.2	178.5	176.8
132.5°	358.5	319.1	287.6	263.5	243.0	225.1	210.2	197.6	189.1	183.7	181.5
135°	351.9	319.1	293.2	271.9	252.9	235.0	219.4	207.4	198.1	191.3	188.9
137.5°	346.1	319.8	298.4	278.1	259.9	243.7	227.6	215.8	206.6	200.2	198.4
140°	343.4	320.3	300.7	282.3	265.0	248.3	232.8	221.8	212.6	205.6	203.9
142.5°	341.0	320.7	302.1	284.6	268.2	252.5	237.8	227.3	218.1	211.7	210.4
145°	337.6	320.3	303.6	288.0	273.7	258.6	245.4	235.0	226.9	221.2	220.0
147.5°	334.0	318.8	304.2	290.1	277.1	264.0	252.3	243.3	235.8	230.9	230.1
150°	331.2	317.4	304.2	291.4	279.4	266.7	256.9	248.8	241.4	237.3	236.2
152.5°	328.0	315.6	303.7	292.4	281.7	269.9	261.1	253.5	246.9	243.3	242.7
155°	322.6	312.3	302.5	293.2	284.0	274.2	266.1	260.3	254.6	251.2	251.2
157.5°	317.5	308.7	300.9	293.8	286.0	277.5	271.5	266.4	261.5	258.6	258.7
160°	313.4	306.5	299.5	293.8	286.9	279.4	274.2	269.6	265.6	263.3	263.9
162.5°	309.7	303.7	298.2	293.4	287.8	281.2	277.0	273.3	269.7	267.4	268.0
165°	304.2	299.5	296.1	292.7	288.0	283.5	279.9	277.6	274.8	273.1	274.2
167.5°	298.7	295.5	292.9	291.2	288.0	284.2	282.1	280.4	278.8	277.8	278.3
170°	295.5	293.2	291.4	290.3	288.0	285.2	283.5	282.3	281.1	280.5	281.1
172.5°	292.3	290.4	289.6	289.4	287.6	285.2	284.4	283.7	282.5	282.0	283.0
175°	288.0	287.4	287.4	288.0	286.9	285.2	285.2	285.2	284.6	284.0	285.2
177.5°	286.2	285.7	285.7	286.6	286.2	285.3	285.3	285.7	285.3	285.3	286.2
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-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°	5.0	5.5	6.3	7.5	8.3	9.1	9.7	9.5	8.9	8.5	8.1
90°	1.1	2.3	3.4	4.6	5.8	6.4	7.5	8.1	9.2	9.8	10.4
92.5°	8.5	13.3	20.5	30.4	47.3	78.7	131.5	188.7	185.7	150.4	102.1
95°	19.6	24.2	30.5	43.2	69.2	130.8	257.5	416.5	510.4	499.5	414.1
97.5°	32.2	35.4	41.8	53.2	71.9	112.7	205.5	371.9	545.0	632.0	616.8
100°	41.5	43.8	50.1	61.1	78.4	111.8	186.6	331.8	520.2	664.2	708.5
102.5°	50.7	52.5	59.4	69.4	86.1	115.9	178.8	301.3	476.4	644.8	739.4
105°	65.1	68.0	73.7	82.9	99.1	124.4	175.7	271.9	417.7	583.0	721.2
107.5°	81.0	83.7	88.5	98.1	112.6	137.1	181.0	259.4	377.2	519.9	656.2
110°	91.6	93.9	99.1	107.8	122.7	146.3	186.0	255.8	358.3	483.9	608.3





TEST NUMBER: P333126-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	102.2	104.0	109.3	117.9	132.4	155.1	192.5	255.8	347.3	457.2	570.6
115°	117.5	119.3	124.4	133.1	147.4	168.7	202.2	257.5	335.3	428.0	523.0
117.5°	131.9	133.8	139.0	148.8	162.7	182.9	213.3	261.3	329.4	410.6	492.4
120°	141.2	143.4	148.7	158.4	172.8	193.0	220.7	265.0	326.6	400.9	475.8
122.5°	150.4	152.2	157.3	168.1	182.5	202.7	228.9	268.2	324.4	392.6	463.4
125°	162.5	165.3	170.5	181.5	196.4	215.4	240.2	273.7	321.4	381.3	445.2
127.5°	172.6	176.3	182.9	194.5	209.4	227.7	250.5	279.7	320.0	371.0	426.9
130°	178.5	183.2	190.7	202.8	217.7	235.6	257.5	283.5	319.1	364.1	415.4
132.5°	183.7	189.1	197.6	210.2	225.1	243.0	263.5	287.6	319.1	358.5	403.8
135°	191.3	198.1	207.4	219.4	235.0	252.9	271.9	293.2	319.1	351.9	388.8
137.5°	200.2	206.6	215.8	227.6	243.7	259.9	278.1	298.4	319.8	346.1	376.2
140°	205.6	212.6	221.8	232.8	248.3	265.0	282.3	300.7	320.3	343.4	369.2
142.5°	211.7	218.1	227.3	237.8	252.5	268.2	284.6	302.1	320.7	341.0	363.2
145°	221.2	226.9	235.0	245.4	258.6	273.7	288.0	303.6	320.3	337.6	355.5
147.5°	230.9	235.8	243.3	252.3	264.0	277.1	290.1	304.2	318.8	334.0	348.1
150°	237.3	241.4	248.8	256.9	266.7	279.4	291.4	304.2	317.4	331.2	343.9
152.5°	243.3	246.9	253.5	261.1	269.9	281.7	292.4	303.7	315.6	328.0	339.3
155°	251.2	254.6	260.3	266.1	274.2	284.0	293.2	302.5	312.3	322.6	332.3
157.5°	258.6	261.5	266.4	271.5	277.5	286.0	293.8	300.9	308.7	317.5	325.5
160°	263.3	265.6	269.6	274.2	279.4	286.9	293.8	299.5	306.5	313.4	320.8
162.5°	267.4	269.7	273.3	277.0	281.2	287.8	293.4	298.2	303.7	309.7	315.8
165°	273.1	274.8	277.6	279.9	283.5	288.0	292.7	296.1	299.5	304.2	308.7
167.5°	277.8	278.8	280.4	282.1	284.2	288.0	291.2	292.9	295.5	298.7	302.1
170°	280.5	281.1	282.3	283.5	285.2	288.0	290.3	291.4	293.2	295.5	298.4
172.5°	282.0	282.5	283.7	284.4	285.2	287.6	289.4	289.6	290.4	292.3	294.3
175°	284.0	284.6	285.2	285.2	285.2	286.9	288.0	287.4	287.4	288.0	289.7
177.5°	285.3	285.3	285.7	285.3	285.3	286.2	286.6	285.7	285.7	286.2	286.6
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



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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°	8.2	7.6	7.8	7.6	7.6	7.5	7.2
90°	10.9	11.5	12.6	12.6	12.6	13.2	13.2
92.5°	74.1	55.7	47.3	39.9	38.5	37.7	36.8
95°	326.6	255.8	207.4	166.5	149.2	144.6	135.4
97.5°	555.4	486.5	419.1	383.5	351.2	334.6	327.2
100°	680.3	621.0	561.1	521.3	479.9	458.6	449.3
102.5°	756.8	728.3	687.8	645.3	615.8	592.7	585.7
105°	800.1	825.5	819.1	800.7	781.7	770.2	763.3
107.5°	761.5	826.7	856.7	866.1	866.0	862.1	857.5
110°	717.8	799.0	848.0	873.8	884.8	888.9	888.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	674.5	756.6	814.4	852.2	871.0	881.0	885.1
115°	612.4	691.3	754.1	799.0	826.7	842.7	850.3
117.5°	569.4	637.3	695.0	739.9	768.5	784.5	789.1
120°	544.9	608.3	659.0	701.7	729.3	744.9	749.4
122.5°	527.5	583.9	631.4	669.3	694.7	710.2	714.4
125°	504.0	554.2	595.6	627.9	651.6	664.2	669.9
127.5°	481.7	528.5	567.3	596.5	617.4	629.3	632.0
130°	466.1	511.0	548.4	577.2	596.2	607.7	611.2
132.5°	451.3	492.1	528.2	556.9	575.9	586.5	590.5
135°	428.6	465.4	498.3	523.6	542.6	553.0	556.4
137.5°	408.3	439.0	466.9	489.5	506.9	516.3	520.2
140°	396.4	422.8	447.1	468.4	483.3	491.9	494.8
142.5°	386.2	409.0	430.0	448.1	460.7	468.9	471.3
145°	373.2	391.1	406.7	420.5	430.3	436.7	439.0
147.5°	362.5	376.3	388.0	399.0	406.8	410.5	411.5
150°	356.6	367.5	377.9	386.6	393.4	395.8	396.4
152.5°	350.6	360.6	368.7	376.0	381.4	383.7	384.4
155°	341.6	349.6	356.0	361.7	365.8	367.5	368.1
157.5°	333.1	339.3	344.3	348.7	352.0	353.7	353.6
160°	326.6	332.3	336.4	340.4	343.4	344.5	343.9
162.5°	321.1	325.9	329.5	332.6	335.1	335.3	335.2
165°	312.8	316.3	319.1	321.4	322.6	322.6	322.6
167.5°	304.8	307.4	309.4	310.6	311.6	311.1	311.0
170°	300.1	301.8	303.0	304.2	304.8	304.8	304.2
172.5°	296.0	297.2	297.9	298.2	299.2	298.3	297.7
175°	289.7	290.9	290.9	290.9	291.4	290.3	289.7
177.5°	287.1	287.1	287.1	286.6	287.1	285.7	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7

(END OF REPORT)