

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: P331305-930

Luminaire Tested: **SA2XXDIP-C485D725U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331305-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

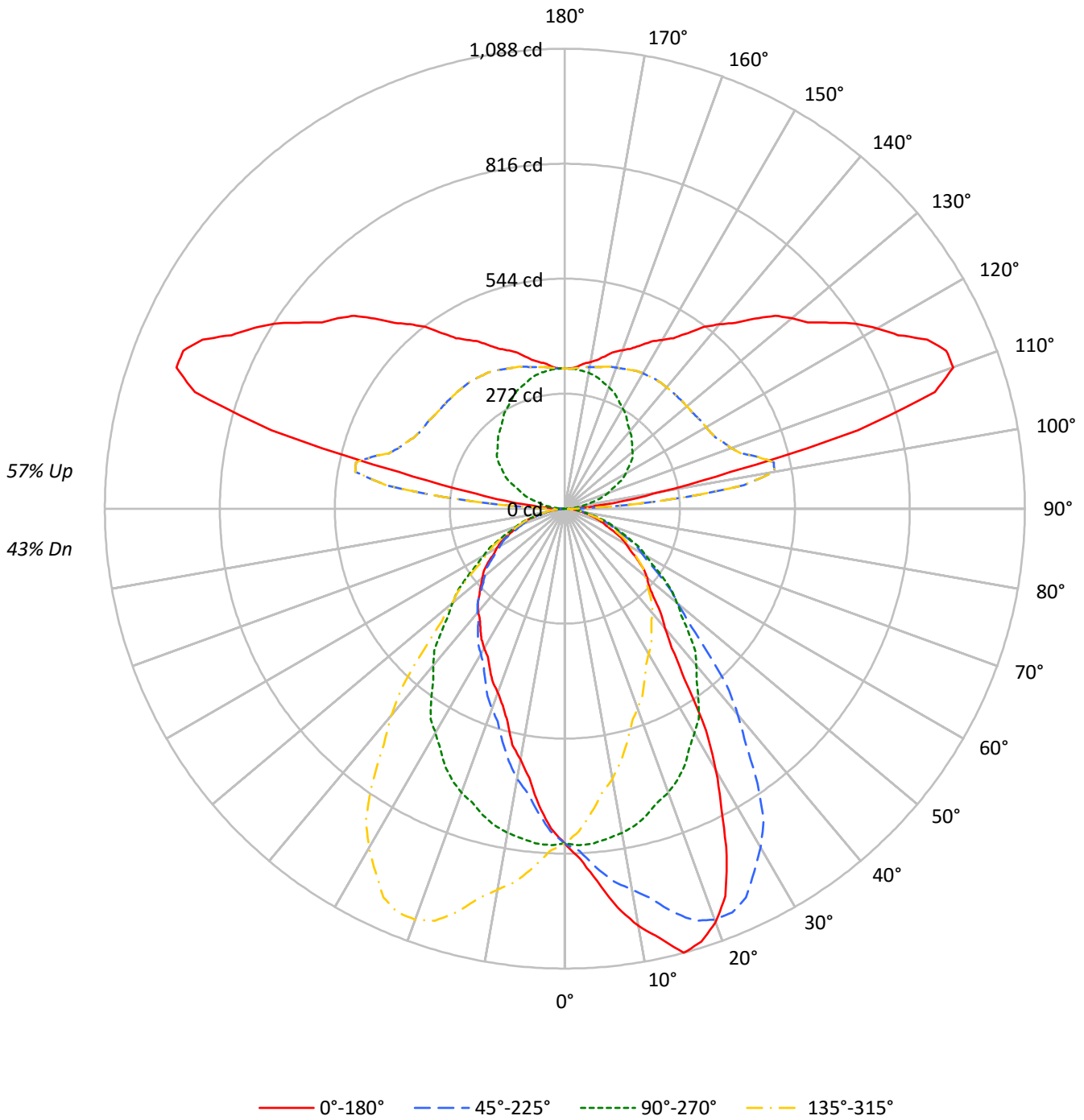
Lumens per Lamp: N/A
Luminaire Lumens: 4057.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43
1	97	93	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37
2	88	81	75	70	81	75	70	65	62	58	55	50	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	27
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24
5	68	57	49	43	62	53	46	41	44	39	35	36	33	30	29	26	24	21
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17
8	54	42	35	29	49	39	32	28	33	28	24	28	24	21	22	20	18	15
9	50	39	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12791	12791	12791	12791
5°	14340	12875	11408	12875
10°	16433	12770	9875	12770
15°	18180	12535	8724	12535
20°	17904	12283	7952	12283
25°	16142	11948	7464	11948
30°	13340	11415	7107	11415
35°	9723	10857	6853	10857
40°	7765	10197	6713	10197
45°	6786	9435	6521	9435
50°	6380	8696	6393	8696
55°	5880	7947	6221	7947
60°	5389	7149	5958	7149
65°	4909	6434	5700	6434
70°	4456	5736	5320	5736
75°	3949	4959	4710	4959
80°	3394	4110	3794	4110
85°	3057	3057	2242	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	1.9
10°-20°	219.3	5.4
20°-30°	318.3	7.8
30°-40°	335.9	8.3
40°-50°	297.4	7.3
50°-60°	237.4	5.9
60°-70°	161.3	4.0
70°-80°	82.7	2.0
80°-90°	22.9	0.6
90°-100°	132.5	3.3
100°-110°	449.7	11.1
110°-120°	477.7	11.8
120°-130°	393.2	9.7
130°-140°	315.8	7.8
140°-150°	238.6	5.9
150°-160°	167.7	4.1
160°-170°	98.7	2.4
170°-180°	32.1	0.8
0°-30°	613.1	15.1
0°-40°	949.1	23.4
0°-60°	1483.9	36.6
0°-90°	1750.9	43.2
90°-120°	1059.9	26.1
90°-150°	2007.6	49.5
90°-180°	2306.0	56.8
0°-180°	4057.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	792	792	792	792	792	
5°	885	794	704	794	885	88
15°	1088	750	522	750	1088	300
25°	906	671	419	671	906	410
35°	493	551	348	551	493	321
45°	297	413	286	413	297	234
55°	209	282	221	282	209	187
65°	128	168	149	168	128	128
75°	63	80	76	80	63	68
85°	16	16	12	16	16	19
90°	21	1	21	1	21	12
95°	73	22	73	22	73	94
105°	718	78	718	78	718	695
115°	945	137	945	137	945	926
125°	767	191	767	191	767	693
135°	635	224	635	224	635	494
145°	507	256	507	256	507	322
155°	426	291	426	291	426	199
165°	374	317	374	317	374	107
175°	337	331	337	331	337	33
180°	331	331	331	331	331	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	828.8	829.1	829.5	825.7	825.2	825.2	821.7	818.8	815.4	810.7	811.2
5°	884.8	888.2	889.4	885.7	880.3	879.6	874.5	865.9	858.0	851.7	847.1
7.5°	951.7	953.0	950.1	945.3	941.2	933.8	924.2	914.8	901.6	889.4	880.4
10°	1002.3	1004.2	999.0	992.0	986.2	977.7	963.7	949.3	932.1	915.3	901.9
12.5°	1040.8	1045.4	1038.7	1037.8	1027.8	1016.2	999.5	992.2	967.8	944.5	930.1
15°	1087.6	1087.3	1087.9	1082.1	1074.8	1073.0	1055.3	1036.2	1001.8	988.1	964.3
17.5°	1074.1	1078.7	1080.8	1080.8	1080.6	1079.5	1073.7	1061.7	1044.4	1022.2	994.8
20°	1042.0	1048.0	1049.0	1056.0	1059.9	1065.1	1067.2	1063.9	1053.2	1034.6	1010.9
22.5°	992.2	993.9	996.8	1007.7	1016.3	1029.2	1036.0	1047.3	1043.2	1034.1	1014.3
25°	906.1	903.1	913.7	919.2	939.0	959.7	974.6	991.1	1005.7	1014.6	1008.8
27.5°	802.7	798.2	814.2	828.7	844.7	867.2	890.4	917.9	940.7	969.3	979.1
30°	715.5	718.3	733.5	749.0	773.4	805.0	831.2	861.4	894.0	925.9	948.1
32.5°	621.5	632.0	641.6	665.4	686.9	722.2	760.6	798.3	838.9	875.2	909.6
35°	493.3	505.4	518.9	536.2	566.3	601.4	638.8	689.7	745.1	794.7	835.5
37.5°	415.2	413.3	420.9	433.5	457.9	486.2	529.2	579.5	644.7	703.0	760.6
40°	368.4	367.2	372.7	384.3	402.8	423.5	461.3	505.4	566.1	637.2	705.8
42.5°	336.2	337.0	340.1	348.2	360.9	378.0	406.3	443.8	499.3	566.4	640.0
45°	297.2	299.3	302.6	306.6	313.9	327.9	343.7	370.6	414.4	470.4	542.9
47.5°	269.0	269.1	272.5	276.0	280.3	288.2	301.2	318.0	348.9	394.5	456.8
50°	254.0	251.8	254.2	257.0	261.5	267.0	275.6	291.4	312.1	348.9	401.0
52.5°	235.5	235.5	237.7	238.7	242.8	248.3	256.1	267.0	285.8	314.6	357.4
55°	208.9	210.4	211.7	213.4	217.1	221.0	227.1	234.5	249.1	270.7	302.3
57.5°	183.9	184.4	185.6	189.1	191.4	195.0	200.8	207.5	217.0	233.0	256.8
60°	166.9	166.9	169.3	170.8	173.8	177.5	182.1	188.5	197.0	210.1	229.3
62.5°	151.2	151.0	152.0	154.5	156.8	160.2	164.8	170.2	178.2	189.9	205.6
65°	128.5	127.9	129.7	130.3	132.7	136.1	139.7	145.5	152.0	160.5	174.5
67.5°	106.6	107.3	108.3	109.4	110.8	114.3	116.8	120.8	126.2	133.3	142.8
70°	94.4	94.4	94.4	95.3	97.1	99.0	101.4	104.8	109.9	116.0	124.5
72.5°	80.7	81.7	82.7	82.2	84.5	85.5	88.5	90.3	95.3	99.2	106.7
75°	63.3	63.3	63.3	64.8	65.8	66.7	68.5	70.4	72.8	77.6	81.6
77.5°	47.3	47.1	47.5	47.8	48.8	49.9	50.4	52.1	54.3	56.6	59.9
80°	36.5	37.2	37.4	38.1	38.1	38.6	39.0	41.1	42.6	44.2	46.3
82.5°	28.3	28.4	28.5	28.5	28.8	29.2	29.9	30.7	31.1	32.4	34.1
85°	16.5	16.1	16.1	16.7	16.5	16.5	17.0	17.7	17.7	17.9	18.9
87.5°	10.5	10.5	10.8	10.5	10.5	10.7	10.4	10.4	10.8	11.2	11.3
90°	21.0	21.0	21.0	21.0	21.0	20.4	19.2	20.4	21.0	21.7	21.0
92.5°	35.3	36.4	35.8	37.8	38.4	42.3	47.7	55.6	70.0	82.8	81.7
95°	72.6	72.0	73.9	79.0	87.3	101.3	128.1	167.0	218.6	249.8	221.2
97.5°	143.0	148.4	157.7	173.3	203.8	249.8	318.8	389.6	447.4	426.5	321.2
100°	228.1	239.6	258.1	285.5	338.4	415.6	502.9	581.9	595.3	503.4	346.7
102.5°	401.5	417.0	440.1	486.9	544.4	626.1	690.0	707.8	650.3	506.1	337.0
105°	718.3	727.2	754.6	794.1	833.6	854.7	846.4	774.4	641.8	472.2	318.0
107.5°	917.5	929.4	934.8	937.0	932.1	901.2	834.9	726.4	585.8	436.0	308.6
110°	977.6	978.3	972.6	960.4	933.0	880.8	799.2	685.1	550.7	418.7	306.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	976.6	973.2	962.4	942.1	904.0	844.1	756.8	647.4	526.2	407.5	307.0
115°	945.2	939.4	922.8	893.5	848.2	782.6	699.1	601.0	495.9	395.2	309.7
117.5°	888.9	884.1	866.7	835.7	789.5	728.0	652.2	566.1	476.7	389.1	314.3
120°	852.7	846.4	827.9	797.9	753.3	695.3	627.8	548.7	466.5	385.6	317.4
122.5°	815.0	809.7	793.2	763.8	723.7	671.3	607.4	535.0	457.9	383.5	321.0
125°	766.7	761.6	745.7	721.5	684.4	636.7	580.6	514.9	445.5	379.8	326.3
127.5°	724.4	720.3	706.5	683.9	651.6	607.5	554.6	495.2	434.0	377.6	331.8
130°	700.4	695.3	682.6	660.9	629.7	587.6	537.3	482.4	426.4	376.7	335.9
132.5°	675.4	670.8	659.1	637.5	606.7	567.2	521.0	470.2	420.3	376.2	340.0
135°	635.4	632.8	621.4	600.4	572.9	537.3	495.2	453.1	411.7	375.4	344.8
137.5°	596.1	592.3	582.3	564.2	539.2	508.1	474.7	439.5	405.7	375.3	349.1
140°	569.2	565.3	555.7	539.2	518.8	490.7	461.5	430.8	402.2	374.7	351.1
142.5°	542.1	541.4	532.8	517.8	498.4	474.9	449.7	423.7	398.6	374.7	352.7
145°	507.3	505.4	499.0	488.2	472.9	454.4	434.6	413.6	393.9	373.5	354.3
147.5°	478.1	477.0	472.6	464.0	451.3	437.8	422.4	405.9	389.1	371.2	354.9
150°	460.8	460.2	456.3	448.7	439.1	427.6	414.3	400.2	384.9	369.7	354.3
152.5°	446.0	445.9	443.0	436.4	428.9	419.0	407.6	394.6	381.4	367.1	353.4
155°	426.4	427.6	425.1	420.6	413.6	406.6	397.1	386.9	374.7	362.6	351.8
157.5°	409.7	409.7	408.5	404.8	399.8	394.4	386.4	377.8	368.5	358.1	348.9
160°	398.9	398.9	398.4	395.2	390.7	386.2	379.2	372.2	363.9	355.0	347.3
162.5°	388.7	389.3	388.7	386.5	382.0	378.5	372.6	366.6	359.8	352.5	345.8
165°	374.1	374.7	374.7	372.2	369.7	367.1	362.6	358.2	353.1	347.3	342.9
167.5°	360.6	361.3	361.5	360.1	359.0	356.6	353.6	350.2	346.4	342.9	340.0
170°	352.5	353.7	354.3	352.5	351.8	350.5	348.0	346.1	342.9	340.3	338.4
172.5°	345.8	346.6	347.2	346.3	345.7	345.0	342.9	341.4	339.3	337.3	336.4
175°	337.1	338.4	339.1	338.4	338.4	337.8	337.1	336.5	334.6	333.9	333.3
177.5°	331.9	333.0	333.5	333.5	333.5	333.5	333.0	333.0	331.9	331.4	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	812.9	811.0	809.8	805.4	801.5	797.6	796.4	796.9	791.5	786.4	784.2
5°	844.7	838.5	832.7	824.5	814.8	804.1	798.7	794.4	783.7	772.2	765.5
7.5°	873.0	864.3	853.1	837.7	823.5	806.7	796.1	786.7	771.0	754.7	744.8
10°	890.3	878.4	864.1	845.2	827.9	807.5	793.2	778.9	760.6	741.1	729.0
12.5°	905.1	889.2	875.1	850.8	830.3	804.8	787.8	767.7	748.4	725.3	713.3
15°	940.5	911.0	884.2	856.8	831.5	795.9	777.1	749.9	724.6	696.0	682.3
17.5°	967.8	934.7	892.5	857.7	828.2	788.7	761.0	728.6	698.6	665.9	647.3
20°	983.5	945.4	900.0	858.7	823.3	778.3	748.1	714.9	679.9	643.0	623.0
22.5°	992.7	952.8	907.8	855.0	813.6	769.7	731.8	695.5	659.9	620.2	599.1
25°	995.6	959.1	911.6	851.9	801.4	751.8	706.0	670.7	627.9	590.7	559.9
27.5°	981.1	955.0	909.3	846.2	787.3	729.3	678.4	638.4	593.0	552.8	521.8
30°	963.4	948.1	903.7	840.3	776.1	713.7	657.7	612.3	567.3	526.4	494.8
32.5°	935.9	932.5	893.5	832.1	764.2	694.0	636.0	590.1	540.2	500.1	469.9
35°	881.7	896.4	871.7	813.6	741.7	665.9	603.2	550.8	499.0	460.6	432.4
37.5°	809.3	845.6	839.2	786.4	711.3	635.4	566.1	511.4	462.0	423.3	395.5
40°	759.4	805.7	812.4	765.7	690.0	611.7	538.3	483.8	435.7	400.4	372.3
42.5°	705.8	759.9	778.3	740.9	666.6	586.9	513.5	457.1	409.4	375.0	350.3
45°	616.0	687.5	720.7	699.4	627.5	545.9	470.4	413.2	370.0	337.7	318.5
47.5°	532.0	610.2	654.8	647.3	584.1	503.3	428.7	373.7	331.7	305.9	288.7
50°	472.5	552.9	606.8	609.3	552.9	472.9	397.9	346.2	307.5	283.5	269.5
52.5°	420.9	497.7	556.4	569.3	518.1	441.2	370.4	318.9	284.9	262.8	250.2
55°	353.5	418.3	483.6	507.3	466.2	393.1	327.6	282.3	250.3	235.1	224.1
57.5°	293.9	348.0	408.1	434.4	409.0	346.5	285.1	245.7	219.8	206.4	198.0
60°	262.4	305.1	358.7	390.0	368.1	312.4	258.8	221.4	200.1	188.2	180.3
62.5°	233.3	271.0	316.3	345.0	333.0	280.5	232.5	199.4	181.1	169.9	164.2
65°	192.4	222.3	257.3	283.8	275.9	235.9	196.7	168.4	153.8	145.0	140.4
67.5°	158.4	180.0	204.3	227.5	221.1	192.8	161.3	139.3	128.3	120.7	118.1
70°	137.1	153.4	175.0	193.6	188.5	165.3	140.4	121.5	112.0	105.7	102.9
72.5°	116.6	130.0	146.6	161.8	158.2	139.0	118.2	104.0	96.7	90.8	88.5
75°	88.0	98.3	108.4	118.5	117.6	102.6	90.4	79.5	73.7	69.1	68.2
77.5°	65.0	70.8	77.6	83.6	81.9	73.4	63.8	57.6	53.3	50.2	49.7
80°	49.7	53.0	57.9	62.1	60.0	56.3	48.8	44.2	41.1	38.1	36.9
82.5°	36.0	39.4	42.2	44.6	43.0	39.5	34.8	31.7	29.9	27.8	27.3
85°	18.9	20.7	21.9	22.5	21.9	19.8	17.7	16.5	14.9	14.0	13.7
87.5°	10.8	9.9	9.2	9.3	8.3	8.1	6.6	5.5	5.6	5.9	5.6
90°	17.2	12.7	9.5	7.7	6.4	5.1	2.5	0.7	2.5	5.1	6.4
92.5°	63.6	43.4	28.9	22.9	18.6	15.8	11.3	7.7	11.3	15.8	18.6
95°	147.2	91.8	62.5	47.1	36.9	31.2	24.9	22.3	24.9	31.2	36.9
97.5°	198.4	121.1	84.2	66.9	55.2	46.6	39.8	36.4	39.8	46.6	55.2
100°	209.0	131.3	97.5	79.7	66.9	56.7	51.0	49.1	51.0	56.7	66.9
102.5°	209.5	140.5	109.3	91.4	78.1	67.9	62.2	60.8	62.2	67.9	78.1
105°	212.9	156.1	126.2	108.4	94.3	84.8	80.3	77.8	80.3	84.8	94.3
107.5°	221.7	172.2	143.2	125.1	111.3	102.5	98.2	96.1	98.2	102.5	111.3
110°	228.8	182.9	154.9	136.4	123.0	114.7	110.9	108.4	110.9	114.7	123.0



TEST NUMBER: P331305-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	236.4	193.1	166.1	147.1	134.2	126.5	122.1	119.5	122.1	126.5	134.2
115°	247.9	209.0	181.6	164.4	151.6	144.1	140.2	137.1	140.2	144.1	151.6
117.5°	260.2	223.7	198.4	180.5	168.3	161.5	157.7	155.2	157.7	161.5	168.3
120°	268.3	233.9	209.0	191.2	178.5	172.7	168.9	166.3	168.9	172.7	178.5
122.5°	275.5	243.6	220.3	201.9	189.1	182.9	179.1	177.1	179.1	182.9	189.1
125°	286.8	258.1	235.1	217.4	204.6	196.9	193.1	191.2	193.1	196.9	204.6
127.5°	297.3	271.7	249.3	231.0	218.7	210.3	205.0	202.4	205.0	210.3	218.7
130°	304.0	279.8	257.5	239.6	226.9	217.9	211.6	209.0	211.6	217.9	226.9
132.5°	310.6	286.9	265.6	247.8	234.6	225.1	218.3	215.2	218.3	225.1	234.6
135°	319.3	297.0	276.6	258.8	244.1	234.6	226.9	224.4	226.9	234.6	244.1
137.5°	326.0	305.2	285.0	268.5	253.9	243.7	236.0	233.0	236.0	243.7	253.9
140°	329.5	309.7	290.7	274.0	260.0	249.8	242.1	239.6	242.1	249.8	260.0
142.5°	332.6	313.3	294.7	279.2	265.6	255.4	248.3	246.2	248.3	255.4	265.6
145°	336.5	318.7	301.4	287.4	274.7	265.1	258.8	256.2	258.8	265.1	274.7
147.5°	338.7	323.0	306.8	294.3	283.7	274.9	268.8	266.9	268.8	274.9	283.7
150°	339.7	325.1	310.4	298.9	289.3	281.0	276.0	274.0	276.0	281.0	289.3
152.5°	340.2	327.1	314.0	303.5	294.4	287.1	282.1	281.2	282.1	287.1	294.4
155°	341.0	330.1	319.3	309.7	302.7	295.7	291.9	291.2	291.9	295.7	302.7
157.5°	341.0	332.3	323.1	315.1	309.5	303.4	300.3	299.7	300.3	303.4	309.5
160°	341.0	333.3	325.6	318.7	313.6	308.4	305.9	305.2	305.9	308.4	313.6
162.5°	340.5	333.9	327.2	321.7	317.2	313.1	310.5	310.9	310.5	313.1	317.2
165°	339.1	334.6	328.9	325.1	321.9	318.0	316.7	317.4	316.7	318.0	321.9
167.5°	338.2	334.4	330.3	327.8	325.5	323.1	322.0	322.8	322.0	323.1	325.5
170°	337.1	333.9	330.8	328.9	327.6	325.6	325.1	326.3	325.1	325.6	327.6
172.5°	335.6	333.5	331.3	329.9	329.1	327.2	327.6	328.3	327.6	327.2	329.1
175°	333.9	332.6	331.4	330.8	330.8	329.5	330.1	330.8	330.1	329.5	330.8
177.5°	333.0	331.9	331.4	331.4	331.4	330.4	330.9	331.9	330.9	330.4	331.4
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331305-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	781.8	780.3	775.2	772.5	768.2	764.0	761.3	762.5	763.5	763.0	762.3
5°	759.4	753.6	744.8	737.1	731.6	721.6	717.4	715.3	713.4	711.3	709.1
7.5°	732.7	723.6	710.9	700.1	689.8	677.4	670.3	665.9	661.5	656.7	652.5
10°	713.7	700.9	687.5	672.3	660.1	648.8	638.8	632.1	626.0	620.2	616.0
12.5°	693.7	679.0	662.4	641.6	628.2	612.0	610.6	598.8	589.2	585.6	580.7
15°	661.9	641.2	620.2	595.6	584.9	570.3	561.2	552.0	543.8	538.0	536.5
17.5°	625.8	599.0	578.1	560.4	543.0	528.0	519.6	512.3	505.5	497.7	496.8
20°	598.3	575.2	552.4	536.8	518.9	503.6	493.3	485.9	480.1	475.6	471.7
22.5°	572.3	546.9	526.0	509.0	491.3	479.0	470.8	463.8	459.0	454.0	450.2
25°	530.4	510.6	487.8	468.6	454.0	446.1	439.4	433.3	430.2	426.9	422.7
27.5°	493.8	471.8	450.5	435.6	422.7	415.7	411.0	406.8	404.0	402.0	399.6
30°	468.0	445.7	429.0	414.4	403.7	396.7	393.7	391.3	387.9	386.7	385.5
32.5°	443.1	423.1	408.8	396.2	386.0	381.4	378.6	376.4	373.8	372.6	370.1
35°	408.0	391.3	377.2	370.2	362.0	358.1	356.0	352.9	350.5	349.3	348.9
37.5°	375.0	360.4	351.1	342.2	338.7	336.2	333.4	331.3	330.5	330.4	330.0
40°	353.5	341.6	333.4	326.1	324.6	320.9	318.5	316.7	316.7	317.0	316.7
42.5°	334.0	323.3	316.1	309.8	308.0	305.8	303.4	303.3	303.8	304.8	303.8
45°	304.5	296.9	291.7	288.6	285.3	283.2	282.8	283.8	284.1	284.4	285.3
47.5°	277.3	272.2	267.6	264.2	262.8	262.4	262.0	263.6	265.1	265.6	267.0
50°	261.2	255.4	251.5	249.4	248.2	247.5	248.2	250.0	251.2	252.7	253.6
52.5°	243.2	239.1	236.4	234.7	234.2	234.6	234.7	236.8	238.8	239.3	239.8
55°	218.3	215.2	214.7	211.9	213.1	212.8	214.3	215.6	217.4	219.2	219.6
57.5°	193.5	191.0	189.4	189.6	190.0	191.4	192.6	194.8	196.7	198.6	198.9
60°	176.9	175.7	174.8	174.8	175.4	177.2	178.7	180.8	182.1	183.3	184.2
62.5°	161.8	160.6	159.6	160.1	161.8	162.8	164.6	165.8	167.0	168.2	168.6
65°	137.9	137.3	138.3	138.8	139.2	140.6	142.8	143.7	145.0	145.5	147.7
67.5°	115.9	116.1	115.9	116.8	118.5	119.0	120.9	123.1	123.4	124.5	125.9
70°	101.1	101.7	102.3	102.9	104.4	105.0	106.6	107.5	108.7	109.6	110.6
72.5°	87.5	87.6	88.2	88.1	89.4	90.7	92.0	92.9	94.1	95.2	96.1
75°	67.3	67.3	67.9	68.2	69.7	71.3	70.9	71.6	72.8	74.0	74.6
77.5°	49.2	48.5	49.2	49.4	49.9	51.2	51.4	52.3	53.7	53.3	54.0
80°	37.4	36.5	37.4	37.7	37.7	39.3	39.3	39.9	40.8	39.9	40.8
82.5°	26.7	26.3	27.0	27.1	27.6	27.6	28.0	28.2	29.1	28.7	29.1
85°	13.4	13.1	13.4	13.1	13.4	13.7	13.7	13.4	13.4	14.0	13.1
87.5°	5.7	5.8	6.2	7.1	7.6	7.5	7.1	7.0	6.8	6.5	6.6
90°	7.7	9.5	12.7	17.2	21.0	21.7	21.0	20.4	19.2	20.4	21.0
92.5°	22.9	28.9	43.4	63.6	81.7	82.8	70.0	55.6	47.7	42.3	38.4
95°	47.1	62.5	91.8	147.2	221.2	249.8	218.6	167.0	128.1	101.3	87.3
97.5°	66.9	84.2	121.1	198.4	321.2	426.5	447.4	389.6	318.8	249.8	203.8
100°	79.7	97.5	131.3	209.0	346.7	503.4	595.3	581.9	502.9	415.6	338.4
102.5°	91.4	109.3	140.5	209.5	337.0	506.1	650.3	707.8	690.0	626.1	544.4
105°	108.4	126.2	156.1	212.9	318.0	472.2	641.8	774.4	846.4	854.7	833.6
107.5°	125.1	143.2	172.2	221.7	308.6	436.0	585.8	726.4	834.9	901.2	932.1
110°	136.4	154.9	182.9	228.8	306.6	418.7	550.7	685.1	799.2	880.8	933.0



TEST NUMBER: P331305-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	147.1	166.1	193.1	236.4	307.0	407.5	526.2	647.4	756.8	844.1	904.0
115°	164.4	181.6	209.0	247.9	309.7	395.2	495.9	601.0	699.1	782.6	848.2
117.5°	180.5	198.4	223.7	260.2	314.3	389.1	476.7	566.1	652.2	728.0	789.5
120°	191.2	209.0	233.9	268.3	317.4	385.6	466.5	548.7	627.8	695.3	753.3
122.5°	201.9	220.3	243.6	275.5	321.0	383.5	457.9	535.0	607.4	671.3	723.7
125°	217.4	235.1	258.1	286.8	326.3	379.8	445.5	514.9	580.6	636.7	684.4
127.5°	231.0	249.3	271.7	297.3	331.8	377.6	434.0	495.2	554.6	607.5	651.6
130°	239.6	257.5	279.8	304.0	335.9	376.7	426.4	482.4	537.3	587.6	629.7
132.5°	247.8	265.6	286.9	310.6	340.0	376.2	420.3	470.2	521.0	567.2	606.7
135°	258.8	276.6	297.0	319.3	344.8	375.4	411.7	453.1	495.2	537.3	572.9
137.5°	268.5	285.0	305.2	326.0	349.1	375.3	405.7	439.5	474.7	508.1	539.2
140°	274.0	290.7	309.7	329.5	351.1	374.7	402.2	430.8	461.5	490.7	518.8
142.5°	279.2	294.7	313.3	332.6	352.7	374.7	398.6	423.7	449.7	474.9	498.4
145°	287.4	301.4	318.7	336.5	354.3	373.5	393.9	413.6	434.6	454.4	472.9
147.5°	294.3	306.8	323.0	338.7	354.9	371.2	389.1	405.9	422.4	437.8	451.3
150°	298.9	310.4	325.1	339.7	354.3	369.7	384.9	400.2	414.3	427.6	439.1
152.5°	303.5	314.0	327.1	340.2	353.4	367.1	381.4	394.6	407.6	419.0	428.9
155°	309.7	319.3	330.1	341.0	351.8	362.6	374.7	386.9	397.1	406.6	413.6
157.5°	315.1	323.1	332.3	341.0	348.9	358.1	368.5	377.8	386.4	394.4	399.8
160°	318.7	325.6	333.3	341.0	347.3	355.0	363.9	372.2	379.2	386.2	390.7
162.5°	321.7	327.2	333.9	340.5	345.8	352.5	359.8	366.6	372.6	378.5	382.0
165°	325.1	328.9	334.6	339.1	342.9	347.3	353.1	358.2	362.6	367.1	369.7
167.5°	327.8	330.3	334.4	338.2	340.0	342.9	346.4	350.2	353.6	356.6	359.0
170°	328.9	330.8	333.9	337.1	338.4	340.3	342.9	346.1	348.0	350.5	351.8
172.5°	329.9	331.3	333.5	335.6	336.4	337.3	339.3	341.4	342.9	345.0	345.7
175°	330.8	331.4	332.6	333.9	333.3	333.9	334.6	336.5	337.1	337.8	338.4
177.5°	331.4	331.4	331.9	333.0	331.9	331.4	331.9	333.0	333.0	333.5	333.5
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331305-930
 CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	759.9	759.4	759.4	757.2	759.4	759.4	759.9	762.3	763.0	763.5	762.5
5°	704.9	703.9	702.5	703.9	702.5	703.9	704.9	709.1	711.3	713.4	715.3
7.5°	650.5	646.9	646.3	642.7	646.3	646.9	650.5	652.5	656.7	661.5	665.9
10°	610.8	608.4	608.1	602.3	608.1	608.4	610.8	616.0	620.2	626.0	632.1
12.5°	580.6	574.7	575.9	572.6	575.9	574.7	580.6	580.7	585.6	589.2	598.8
15°	528.2	528.2	527.1	521.9	527.1	528.2	528.2	536.5	538.0	543.8	552.0
17.5°	490.7	490.1	487.1	488.6	487.1	490.1	490.7	496.8	497.7	505.5	512.3
20°	468.3	466.4	462.8	462.8	462.8	466.4	468.3	471.7	475.6	480.1	485.9
22.5°	447.1	446.9	443.1	444.3	443.1	446.9	447.1	450.2	454.0	459.0	463.8
25°	422.3	419.9	418.1	419.0	418.1	419.9	422.3	422.7	426.9	430.2	433.3
27.5°	398.8	397.5	397.4	394.8	397.4	397.5	398.8	399.6	402.0	404.0	406.8
30°	385.1	382.1	382.7	381.2	382.7	382.1	385.1	385.5	386.7	387.9	391.3
32.5°	369.6	368.5	367.9	366.6	367.9	368.5	369.6	370.1	372.6	373.8	376.4
35°	348.3	348.6	347.1	347.7	347.1	348.6	348.3	348.9	349.3	350.5	352.9
37.5°	329.8	330.8	330.0	330.2	330.0	330.8	329.8	330.0	330.4	330.5	331.3
40°	317.6	317.6	317.6	318.5	317.6	317.6	317.6	316.7	317.0	316.7	316.7
42.5°	305.9	305.4	304.9	304.8	304.9	305.4	305.9	303.8	304.8	303.8	303.3
45°	285.9	286.8	287.1	285.6	287.1	286.8	285.9	285.3	284.4	284.1	283.8
47.5°	267.8	267.9	267.8	269.1	267.8	267.9	267.8	267.0	265.6	265.1	263.6
50°	255.2	254.5	255.2	254.5	255.2	254.5	255.2	253.6	252.7	251.2	250.0
52.5°	241.7	241.9	241.5	241.4	241.5	241.9	241.7	239.8	239.3	238.8	236.8
55°	220.8	221.4	221.0	221.0	221.0	221.4	220.8	219.6	219.2	217.4	215.6
57.5°	199.0	199.6	200.0	198.6	200.0	199.6	199.0	198.9	198.6	196.7	194.8
60°	183.9	185.4	185.2	184.5	185.2	185.4	183.9	184.2	183.3	182.1	180.8
62.5°	170.0	170.6	170.5	170.4	170.5	170.6	170.0	168.6	168.2	167.0	165.8
65°	148.5	149.2	148.3	149.2	148.3	149.2	148.5	147.7	145.5	145.0	143.7
67.5°	125.5	125.7	126.4	126.8	126.4	125.7	125.5	125.9	124.5	123.4	123.1
70°	111.1	110.8	111.8	112.7	111.8	110.8	111.1	110.6	109.6	108.7	107.5
72.5°	96.0	96.7	96.4	97.1	96.4	96.7	96.0	96.1	95.2	94.1	92.9
75°	74.0	74.9	74.6	75.5	74.6	74.9	74.0	74.6	74.0	72.8	71.6
77.5°	53.5	53.6	53.5	54.0	53.5	53.6	53.5	54.0	53.3	53.7	52.3
80°	40.8	40.2	39.5	40.8	39.5	40.2	40.8	40.8	39.9	40.8	39.9
82.5°	28.4	28.8	28.1	28.1	28.1	28.8	28.4	29.1	28.7	29.1	28.2
85°	13.1	12.8	12.1	12.1	12.1	12.8	13.1	13.1	14.0	13.4	13.4
87.5°	6.6	6.4	6.4	6.1	6.4	6.4	6.6	6.6	6.5	6.8	7.0
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.4	19.2	20.4
92.5°	37.8	35.8	36.4	35.3	36.4	35.8	37.8	38.4	42.3	47.7	55.6
95°	79.0	73.9	72.0	72.6	72.0	73.9	79.0	87.3	101.3	128.1	167.0
97.5°	173.3	157.7	148.4	143.0	148.4	157.7	173.3	203.8	249.8	318.8	389.6
100°	285.5	258.1	239.6	228.1	239.6	258.1	285.5	338.4	415.6	502.9	581.9
102.5°	486.9	440.1	417.0	401.5	417.0	440.1	486.9	544.4	626.1	690.0	707.8
105°	794.1	754.6	727.2	718.3	727.2	754.6	794.1	833.6	854.7	846.4	774.4
107.5°	937.0	934.8	929.4	917.5	929.4	934.8	937.0	932.1	901.2	834.9	726.4
110°	960.4	972.6	978.3	977.6	978.3	972.6	960.4	933.0	880.8	799.2	685.1



TEST NUMBER: P331305-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	942.1	962.4	973.2	976.6	973.2	962.4	942.1	904.0	844.1	756.8	647.4
115°	893.5	922.8	939.4	945.2	939.4	922.8	893.5	848.2	782.6	699.1	601.0
117.5°	835.7	866.7	884.1	888.9	884.1	866.7	835.7	789.5	728.0	652.2	566.1
120°	797.9	827.9	846.4	852.7	846.4	827.9	797.9	753.3	695.3	627.8	548.7
122.5°	763.8	793.2	809.7	815.0	809.7	793.2	763.8	723.7	671.3	607.4	535.0
125°	721.5	745.7	761.6	766.7	761.6	745.7	721.5	684.4	636.7	580.6	514.9
127.5°	683.9	706.5	720.3	724.4	720.3	706.5	683.9	651.6	607.5	554.6	495.2
130°	660.9	682.6	695.3	700.4	695.3	682.6	660.9	629.7	587.6	537.3	482.4
132.5°	637.5	659.1	670.8	675.4	670.8	659.1	637.5	606.7	567.2	521.0	470.2
135°	600.4	621.4	632.8	635.4	632.8	621.4	600.4	572.9	537.3	495.2	453.1
137.5°	564.2	582.3	592.3	596.1	592.3	582.3	564.2	539.2	508.1	474.7	439.5
140°	539.2	555.7	565.3	569.2	565.3	555.7	539.2	518.8	490.7	461.5	430.8
142.5°	517.8	532.8	541.4	542.1	541.4	532.8	517.8	498.4	474.9	449.7	423.7
145°	488.2	499.0	505.4	507.3	505.4	499.0	488.2	472.9	454.4	434.6	413.6
147.5°	464.0	472.6	477.0	478.1	477.0	472.6	464.0	451.3	437.8	422.4	405.9
150°	448.7	456.3	460.2	460.8	460.2	456.3	448.7	439.1	427.6	414.3	400.2
152.5°	436.4	443.0	445.9	446.0	445.9	443.0	436.4	428.9	419.0	407.6	394.6
155°	420.6	425.1	427.6	426.4	427.6	425.1	420.6	413.6	406.6	397.1	386.9
157.5°	404.8	408.5	409.7	409.7	409.7	408.5	404.8	399.8	394.4	386.4	377.8
160°	395.2	398.4	398.9	398.9	398.9	398.4	395.2	390.7	386.2	379.2	372.2
162.5°	386.5	388.7	389.3	388.7	389.3	388.7	386.5	382.0	378.5	372.6	366.6
165°	372.2	374.7	374.7	374.1	374.7	374.7	372.2	369.7	367.1	362.6	358.2
167.5°	360.1	361.5	361.3	360.6	361.3	361.5	360.1	359.0	356.6	353.6	350.2
170°	352.5	354.3	353.7	352.5	353.7	354.3	352.5	351.8	350.5	348.0	346.1
172.5°	346.3	347.2	346.6	345.8	346.6	347.2	346.3	345.7	345.0	342.9	341.4
175°	338.4	339.1	338.4	337.1	338.4	339.1	338.4	338.4	337.8	337.1	336.5
177.5°	333.5	333.5	333.0	331.9	333.0	333.5	333.5	333.5	333.5	333.0	333.0
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331305-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	761.3	764.0	768.2	772.5	775.2	780.3	781.8	784.2	786.4	791.5	796.9
5°	717.4	721.6	731.6	737.1	744.8	753.6	759.4	765.5	772.2	783.7	794.4
7.5°	670.3	677.4	689.8	700.1	710.9	723.6	732.7	744.8	754.7	771.0	786.7
10°	638.8	648.8	660.1	672.3	687.5	700.9	713.7	729.0	741.1	760.6	778.9
12.5°	610.6	612.0	628.2	641.6	662.4	679.0	693.7	713.3	725.3	748.4	767.7
15°	561.2	570.3	584.9	595.6	620.2	641.2	661.9	682.3	696.0	724.6	749.9
17.5°	519.6	528.0	543.0	560.4	578.1	599.0	625.8	647.3	665.9	698.6	728.6
20°	493.3	503.6	518.9	536.8	552.4	575.2	598.3	623.0	643.0	679.9	714.9
22.5°	470.8	479.0	491.3	509.0	526.0	546.9	572.3	599.1	620.2	659.9	695.5
25°	439.4	446.1	454.0	468.6	487.8	510.6	530.4	559.9	590.7	627.9	670.7
27.5°	411.0	415.7	422.7	435.6	450.5	471.8	493.8	521.8	552.8	593.0	638.4
30°	393.7	396.7	403.7	414.4	429.0	445.7	468.0	494.8	526.4	567.3	612.3
32.5°	378.6	381.4	386.0	396.2	408.8	423.1	443.1	469.9	500.1	540.2	590.1
35°	356.0	358.1	362.0	370.2	377.2	391.3	408.0	432.4	460.6	499.0	550.8
37.5°	333.4	336.2	338.7	342.2	351.1	360.4	375.0	395.5	423.3	462.0	511.4
40°	318.5	320.9	324.6	326.1	333.4	341.6	353.5	372.3	400.4	435.7	483.8
42.5°	303.4	305.8	308.0	309.8	316.1	323.3	334.0	350.3	375.0	409.4	457.1
45°	282.8	283.2	285.3	288.6	291.7	296.9	304.5	318.5	337.7	370.0	413.2
47.5°	262.0	262.4	262.8	264.2	267.6	272.2	277.3	288.7	305.9	331.7	373.7
50°	248.2	247.5	248.2	249.4	251.5	255.4	261.2	269.5	283.5	307.5	346.2
52.5°	234.7	234.6	234.2	234.7	236.4	239.1	243.2	250.2	262.8	284.9	318.9
55°	214.3	212.8	213.1	211.9	214.7	215.2	218.3	224.1	235.1	250.3	282.3
57.5°	192.6	191.4	190.0	189.6	189.4	191.0	193.5	198.0	206.4	219.8	245.7
60°	178.7	177.2	175.4	174.8	174.8	175.7	176.9	180.3	188.2	200.1	221.4
62.5°	164.6	162.8	161.8	160.1	159.6	160.6	161.8	164.2	169.9	181.1	199.4
65°	142.8	140.6	139.2	138.8	138.3	137.3	137.9	140.4	145.0	153.8	168.4
67.5°	120.9	119.0	118.5	116.8	115.9	116.1	115.9	118.1	120.7	128.3	139.3
70°	106.6	105.0	104.4	102.9	102.3	101.7	101.1	102.9	105.7	112.0	121.5
72.5°	92.0	90.7	89.4	88.1	88.2	87.6	87.5	88.5	90.8	96.7	104.0
75°	70.9	71.3	69.7	68.2	67.9	67.3	67.3	68.2	69.1	73.7	79.5
77.5°	51.4	51.2	49.9	49.4	49.2	48.5	49.2	49.7	50.2	53.3	57.6
80°	39.3	39.3	37.7	37.7	37.4	36.5	37.4	36.9	38.1	41.1	44.2
82.5°	28.0	27.6	27.6	27.1	27.0	26.3	26.7	27.3	27.8	29.9	31.7
85°	13.7	13.7	13.4	13.1	13.4	13.1	13.4	13.7	14.0	14.9	16.5
87.5°	7.1	7.5	7.6	7.1	6.2	5.8	5.7	5.6	5.9	5.6	5.5
90°	21.0	21.7	21.0	17.2	12.7	9.5	7.7	6.4	5.1	2.5	0.7
92.5°	70.0	82.8	81.7	63.6	43.4	28.9	22.9	18.6	15.8	11.3	7.7
95°	218.6	249.8	221.2	147.2	91.8	62.5	47.1	36.9	31.2	24.9	22.3
97.5°	447.4	426.5	321.2	198.4	121.1	84.2	66.9	55.2	46.6	39.8	36.4
100°	595.3	503.4	346.7	209.0	131.3	97.5	79.7	66.9	56.7	51.0	49.1
102.5°	650.3	506.1	337.0	209.5	140.5	109.3	91.4	78.1	67.9	62.2	60.8
105°	641.8	472.2	318.0	212.9	156.1	126.2	108.4	94.3	84.8	80.3	77.8
107.5°	585.8	436.0	308.6	221.7	172.2	143.2	125.1	111.3	102.5	98.2	96.1
110°	550.7	418.7	306.6	228.8	182.9	154.9	136.4	123.0	114.7	110.9	108.4



TEST NUMBER: P331305-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	526.2	407.5	307.0	236.4	193.1	166.1	147.1	134.2	126.5	122.1	119.5
115°	495.9	395.2	309.7	247.9	209.0	181.6	164.4	151.6	144.1	140.2	137.1
117.5°	476.7	389.1	314.3	260.2	223.7	198.4	180.5	168.3	161.5	157.7	155.2
120°	466.5	385.6	317.4	268.3	233.9	209.0	191.2	178.5	172.7	168.9	166.3
122.5°	457.9	383.5	321.0	275.5	243.6	220.3	201.9	189.1	182.9	179.1	177.1
125°	445.5	379.8	326.3	286.8	258.1	235.1	217.4	204.6	196.9	193.1	191.2
127.5°	434.0	377.6	331.8	297.3	271.7	249.3	231.0	218.7	210.3	205.0	202.4
130°	426.4	376.7	335.9	304.0	279.8	257.5	239.6	226.9	217.9	211.6	209.0
132.5°	420.3	376.2	340.0	310.6	286.9	265.6	247.8	234.6	225.1	218.3	215.2
135°	411.7	375.4	344.8	319.3	297.0	276.6	258.8	244.1	234.6	226.9	224.4
137.5°	405.7	375.3	349.1	326.0	305.2	285.0	268.5	253.9	243.7	236.0	233.0
140°	402.2	374.7	351.1	329.5	309.7	290.7	274.0	260.0	249.8	242.1	239.6
142.5°	398.6	374.7	352.7	332.6	313.3	294.7	279.2	265.6	255.4	248.3	246.2
145°	393.9	373.5	354.3	336.5	318.7	301.4	287.4	274.7	265.1	258.8	256.2
147.5°	389.1	371.2	354.9	338.7	323.0	306.8	294.3	283.7	274.9	268.8	266.9
150°	384.9	369.7	354.3	339.7	325.1	310.4	298.9	289.3	281.0	276.0	274.0
152.5°	381.4	367.1	353.4	340.2	327.1	314.0	303.5	294.4	287.1	282.1	281.2
155°	374.7	362.6	351.8	341.0	330.1	319.3	309.7	302.7	295.7	291.9	291.2
157.5°	368.5	358.1	348.9	341.0	332.3	323.1	315.1	309.5	303.4	300.3	299.7
160°	363.9	355.0	347.3	341.0	333.3	325.6	318.7	313.6	308.4	305.9	305.2
162.5°	359.8	352.5	345.8	340.5	333.9	327.2	321.7	317.2	313.1	310.5	310.9
165°	353.1	347.3	342.9	339.1	334.6	328.9	325.1	321.9	318.0	316.7	317.4
167.5°	346.4	342.9	340.0	338.2	334.4	330.3	327.8	325.5	323.1	322.0	322.8
170°	342.9	340.3	338.4	337.1	333.9	330.8	328.9	327.6	325.6	325.1	326.3
172.5°	339.3	337.3	336.4	335.6	333.5	331.3	329.9	329.1	327.2	327.6	328.3
175°	334.6	333.9	333.3	333.9	332.6	331.4	330.8	330.8	329.5	330.1	330.8
177.5°	331.9	331.4	331.9	333.0	331.9	331.4	331.4	331.4	330.4	330.9	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331305-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	796.4	797.6	801.5	805.4	809.8	811.0	812.9	811.2	810.7	815.4	818.8
5°	798.7	804.1	814.8	824.5	832.7	838.5	844.7	847.1	851.7	858.0	865.9
7.5°	796.1	806.7	823.5	837.7	853.1	864.3	873.0	880.4	889.4	901.6	914.8
10°	793.2	807.5	827.9	845.2	864.1	878.4	890.3	901.9	915.3	932.1	949.3
12.5°	787.8	804.8	830.3	850.8	875.1	889.2	905.1	930.1	944.5	967.8	992.2
15°	777.1	795.9	831.5	856.8	884.2	911.0	940.5	964.3	988.1	1001.8	1036.2
17.5°	761.0	788.7	828.2	857.7	892.5	934.7	967.8	994.8	1022.2	1044.4	1061.7
20°	748.1	778.3	823.3	858.7	900.0	945.4	983.5	1010.9	1034.6	1053.2	1063.9
22.5°	731.8	769.7	813.6	855.0	907.8	952.8	992.7	1014.3	1034.1	1043.2	1047.3
25°	706.0	751.8	801.4	851.9	911.6	959.1	995.6	1008.8	1014.6	1005.7	991.1
27.5°	678.4	729.3	787.3	846.2	909.3	955.0	981.1	979.1	969.3	940.7	917.9
30°	657.7	713.7	776.1	840.3	903.7	948.1	963.4	948.1	925.9	894.0	861.4
32.5°	636.0	694.0	764.2	832.1	893.5	932.5	935.9	909.6	875.2	838.9	798.3
35°	603.2	665.9	741.7	813.6	871.7	896.4	881.7	835.5	794.7	745.1	689.7
37.5°	566.1	635.4	711.3	786.4	839.2	845.6	809.3	760.6	703.0	644.7	579.5
40°	538.3	611.7	690.0	765.7	812.4	805.7	759.4	705.8	637.2	566.1	505.4
42.5°	513.5	586.9	666.6	740.9	778.3	759.9	705.8	640.0	566.4	499.3	443.8
45°	470.4	545.9	627.5	699.4	720.7	687.5	616.0	542.9	470.4	414.4	370.6
47.5°	428.7	503.3	584.1	647.3	654.8	610.2	532.0	456.8	394.5	348.9	318.0
50°	397.9	472.9	552.9	609.3	606.8	552.9	472.5	401.0	348.9	312.1	291.4
52.5°	370.4	441.2	518.1	569.3	556.4	497.7	420.9	357.4	314.6	285.8	267.0
55°	327.6	393.1	466.2	507.3	483.6	418.3	353.5	302.3	270.7	249.1	234.5
57.5°	285.1	346.5	409.0	434.4	408.1	348.0	293.9	256.8	233.0	217.0	207.5
60°	258.8	312.4	368.1	390.0	358.7	305.1	262.4	229.3	210.1	197.0	188.5
62.5°	232.5	280.5	333.0	345.0	316.3	271.0	233.3	205.6	189.9	178.2	170.2
65°	196.7	235.9	275.9	283.8	257.3	222.3	192.4	174.5	160.5	152.0	145.5
67.5°	161.3	192.8	221.1	227.5	204.3	180.0	158.4	142.8	133.3	126.2	120.8
70°	140.4	165.3	188.5	193.6	175.0	153.4	137.1	124.5	116.0	109.9	104.8
72.5°	118.2	139.0	158.2	161.8	146.6	130.0	116.6	106.7	99.2	95.3	90.3
75°	90.4	102.6	117.6	118.5	108.4	98.3	88.0	81.6	77.6	72.8	70.4
77.5°	63.8	73.4	81.9	83.6	77.6	70.8	65.0	59.9	56.6	54.3	52.1
80°	48.8	56.3	60.0	62.1	57.9	53.0	49.7	46.3	44.2	42.6	41.1
82.5°	34.8	39.5	43.0	44.6	42.2	39.4	36.0	34.1	32.4	31.1	30.7
85°	17.7	19.8	21.9	22.5	21.9	20.7	18.9	18.9	17.9	17.7	17.7
87.5°	6.6	8.1	8.3	9.3	9.2	9.9	10.8	11.3	11.2	10.8	10.4
90°	2.5	5.1	6.4	7.7	9.5	12.7	17.2	21.0	21.7	21.0	20.4
92.5°	11.3	15.8	18.6	22.9	28.9	43.4	63.6	81.7	82.8	70.0	55.6
95°	24.9	31.2	36.9	47.1	62.5	91.8	147.2	221.2	249.8	218.6	167.0
97.5°	39.8	46.6	55.2	66.9	84.2	121.1	198.4	321.2	426.5	447.4	389.6
100°	51.0	56.7	66.9	79.7	97.5	131.3	209.0	346.7	503.4	595.3	581.9
102.5°	62.2	67.9	78.1	91.4	109.3	140.5	209.5	337.0	506.1	650.3	707.8
105°	80.3	84.8	94.3	108.4	126.2	156.1	212.9	318.0	472.2	641.8	774.4
107.5°	98.2	102.5	111.3	125.1	143.2	172.2	221.7	308.6	436.0	585.8	726.4
110°	110.9	114.7	123.0	136.4	154.9	182.9	228.8	306.6	418.7	550.7	685.1



TEST NUMBER: P331305-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	122.1	126.5	134.2	147.1	166.1	193.1	236.4	307.0	407.5	526.2	647.4
115°	140.2	144.1	151.6	164.4	181.6	209.0	247.9	309.7	395.2	495.9	601.0
117.5°	157.7	161.5	168.3	180.5	198.4	223.7	260.2	314.3	389.1	476.7	566.1
120°	168.9	172.7	178.5	191.2	209.0	233.9	268.3	317.4	385.6	466.5	548.7
122.5°	179.1	182.9	189.1	201.9	220.3	243.6	275.5	321.0	383.5	457.9	535.0
125°	193.1	196.9	204.6	217.4	235.1	258.1	286.8	326.3	379.8	445.5	514.9
127.5°	205.0	210.3	218.7	231.0	249.3	271.7	297.3	331.8	377.6	434.0	495.2
130°	211.6	217.9	226.9	239.6	257.5	279.8	304.0	335.9	376.7	426.4	482.4
132.5°	218.3	225.1	234.6	247.8	265.6	286.9	310.6	340.0	376.2	420.3	470.2
135°	226.9	234.6	244.1	258.8	276.6	297.0	319.3	344.8	375.4	411.7	453.1
137.5°	236.0	243.7	253.9	268.5	285.0	305.2	326.0	349.1	375.3	405.7	439.5
140°	242.1	249.8	260.0	274.0	290.7	309.7	329.5	351.1	374.7	402.2	430.8
142.5°	248.3	255.4	265.6	279.2	294.7	313.3	332.6	352.7	374.7	398.6	423.7
145°	258.8	265.1	274.7	287.4	301.4	318.7	336.5	354.3	373.5	393.9	413.6
147.5°	268.8	274.9	283.7	294.3	306.8	323.0	338.7	354.9	371.2	389.1	405.9
150°	276.0	281.0	289.3	298.9	310.4	325.1	339.7	354.3	369.7	384.9	400.2
152.5°	282.1	287.1	294.4	303.5	314.0	327.1	340.2	353.4	367.1	381.4	394.6
155°	291.9	295.7	302.7	309.7	319.3	330.1	341.0	351.8	362.6	374.7	386.9
157.5°	300.3	303.4	309.5	315.1	323.1	332.3	341.0	348.9	358.1	368.5	377.8
160°	305.9	308.4	313.6	318.7	325.6	333.3	341.0	347.3	355.0	363.9	372.2
162.5°	310.5	313.1	317.2	321.7	327.2	333.9	340.5	345.8	352.5	359.8	366.6
165°	316.7	318.0	321.9	325.1	328.9	334.6	339.1	342.9	347.3	353.1	358.2
167.5°	322.0	323.1	325.5	327.8	330.3	334.4	338.2	340.0	342.9	346.4	350.2
170°	325.1	325.6	327.6	328.9	330.8	333.9	337.1	338.4	340.3	342.9	346.1
172.5°	327.6	327.2	329.1	329.9	331.3	333.5	335.6	336.4	337.3	339.3	341.4
175°	330.1	329.5	330.8	330.8	331.4	332.6	333.9	333.3	333.9	334.6	336.5
177.5°	330.9	330.4	331.4	331.4	331.4	331.9	333.0	331.9	331.4	331.9	333.0
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	821.7	825.2	825.2	825.7	829.5	829.1	828.8
5°	874.5	879.6	880.3	885.7	889.4	888.2	884.8
7.5°	924.2	933.8	941.2	945.3	950.1	953.0	951.7
10°	963.7	977.7	986.2	992.0	999.0	1004.2	1002.3
12.5°	999.5	1016.2	1027.8	1037.8	1038.7	1045.4	1040.8
15°	1055.3	1073.0	1074.8	1082.1	1087.9	1087.3	1087.6
17.5°	1073.7	1079.5	1080.6	1080.8	1080.8	1078.7	1074.1
20°	1067.2	1065.1	1059.9	1056.0	1049.0	1048.0	1042.0
22.5°	1036.0	1029.2	1016.3	1007.7	996.8	993.9	992.2
25°	974.6	959.7	939.0	919.2	913.7	903.1	906.1
27.5°	890.4	867.2	844.7	828.7	814.2	798.2	802.7
30°	831.2	805.0	773.4	749.0	733.5	718.3	715.5
32.5°	760.6	722.2	686.9	665.4	641.6	632.0	621.5
35°	638.8	601.4	566.3	536.2	518.9	505.4	493.3
37.5°	529.2	486.2	457.9	433.5	420.9	413.3	415.2
40°	461.3	423.5	402.8	384.3	372.7	367.2	368.4
42.5°	406.3	378.0	360.9	348.2	340.1	337.0	336.2
45°	343.7	327.9	313.9	306.6	302.6	299.3	297.2
47.5°	301.2	288.2	280.3	276.0	272.5	269.1	269.0
50°	275.6	267.0	261.5	257.0	254.2	251.8	254.0
52.5°	256.1	248.3	242.8	238.7	237.7	235.5	235.5
55°	227.1	221.0	217.1	213.4	211.7	210.4	208.9
57.5°	200.8	195.0	191.4	189.1	185.6	184.4	183.9
60°	182.1	177.5	173.8	170.8	169.3	166.9	166.9
62.5°	164.8	160.2	156.8	154.5	152.0	151.0	151.2
65°	139.7	136.1	132.7	130.3	129.7	127.9	128.5
67.5°	116.8	114.3	110.8	109.4	108.3	107.3	106.6
70°	101.4	99.0	97.1	95.3	94.4	94.4	94.4
72.5°	88.5	85.5	84.5	82.2	82.7	81.7	80.7
75°	68.5	66.7	65.8	64.8	63.3	63.3	63.3
77.5°	50.4	49.9	48.8	47.8	47.5	47.1	47.3
80°	39.0	38.6	38.1	38.1	37.4	37.2	36.5
82.5°	29.9	29.2	28.8	28.5	28.5	28.4	28.3
85°	17.0	16.5	16.5	16.7	16.1	16.1	16.5
87.5°	10.4	10.7	10.5	10.5	10.8	10.5	10.5
90°	19.2	20.4	21.0	21.0	21.0	21.0	21.0
92.5°	47.7	42.3	38.4	37.8	35.8	36.4	35.3
95°	128.1	101.3	87.3	79.0	73.9	72.0	72.6
97.5°	318.8	249.8	203.8	173.3	157.7	148.4	143.0
100°	502.9	415.6	338.4	285.5	258.1	239.6	228.1
102.5°	690.0	626.1	544.4	486.9	440.1	417.0	401.5
105°	846.4	854.7	833.6	794.1	754.6	727.2	718.3
107.5°	834.9	901.2	932.1	937.0	934.8	929.4	917.5
110°	799.2	880.8	933.0	960.4	972.6	978.3	977.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	756.8	844.1	904.0	942.1	962.4	973.2	976.6
115°	699.1	782.6	848.2	893.5	922.8	939.4	945.2
117.5°	652.2	728.0	789.5	835.7	866.7	884.1	888.9
120°	627.8	695.3	753.3	797.9	827.9	846.4	852.7
122.5°	607.4	671.3	723.7	763.8	793.2	809.7	815.0
125°	580.6	636.7	684.4	721.5	745.7	761.6	766.7
127.5°	554.6	607.5	651.6	683.9	706.5	720.3	724.4
130°	537.3	587.6	629.7	660.9	682.6	695.3	700.4
132.5°	521.0	567.2	606.7	637.5	659.1	670.8	675.4
135°	495.2	537.3	572.9	600.4	621.4	632.8	635.4
137.5°	474.7	508.1	539.2	564.2	582.3	592.3	596.1
140°	461.5	490.7	518.8	539.2	555.7	565.3	569.2
142.5°	449.7	474.9	498.4	517.8	532.8	541.4	542.1
145°	434.6	454.4	472.9	488.2	499.0	505.4	507.3
147.5°	422.4	437.8	451.3	464.0	472.6	477.0	478.1
150°	414.3	427.6	439.1	448.7	456.3	460.2	460.8
152.5°	407.6	419.0	428.9	436.4	443.0	445.9	446.0
155°	397.1	406.6	413.6	420.6	425.1	427.6	426.4
157.5°	386.4	394.4	399.8	404.8	408.5	409.7	409.7
160°	379.2	386.2	390.7	395.2	398.4	398.9	398.9
162.5°	372.6	378.5	382.0	386.5	388.7	389.3	388.7
165°	362.6	367.1	369.7	372.2	374.7	374.7	374.1
167.5°	353.6	356.6	359.0	360.1	361.5	361.3	360.6
170°	348.0	350.5	351.8	352.5	354.3	353.7	352.5
172.5°	342.9	345.0	345.7	346.3	347.2	346.6	345.8
175°	337.1	337.8	338.4	338.4	339.1	338.4	337.1
177.5°	333.0	333.5	333.5	333.5	333.5	333.0	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4

(END OF REPORT)