

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: P331304-930

Luminaire Tested: **SA2XXDIP-C485D725U930-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331304-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
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-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3862.5 lumens  
Efficiency: N/A  
Efficacy: 100.6 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

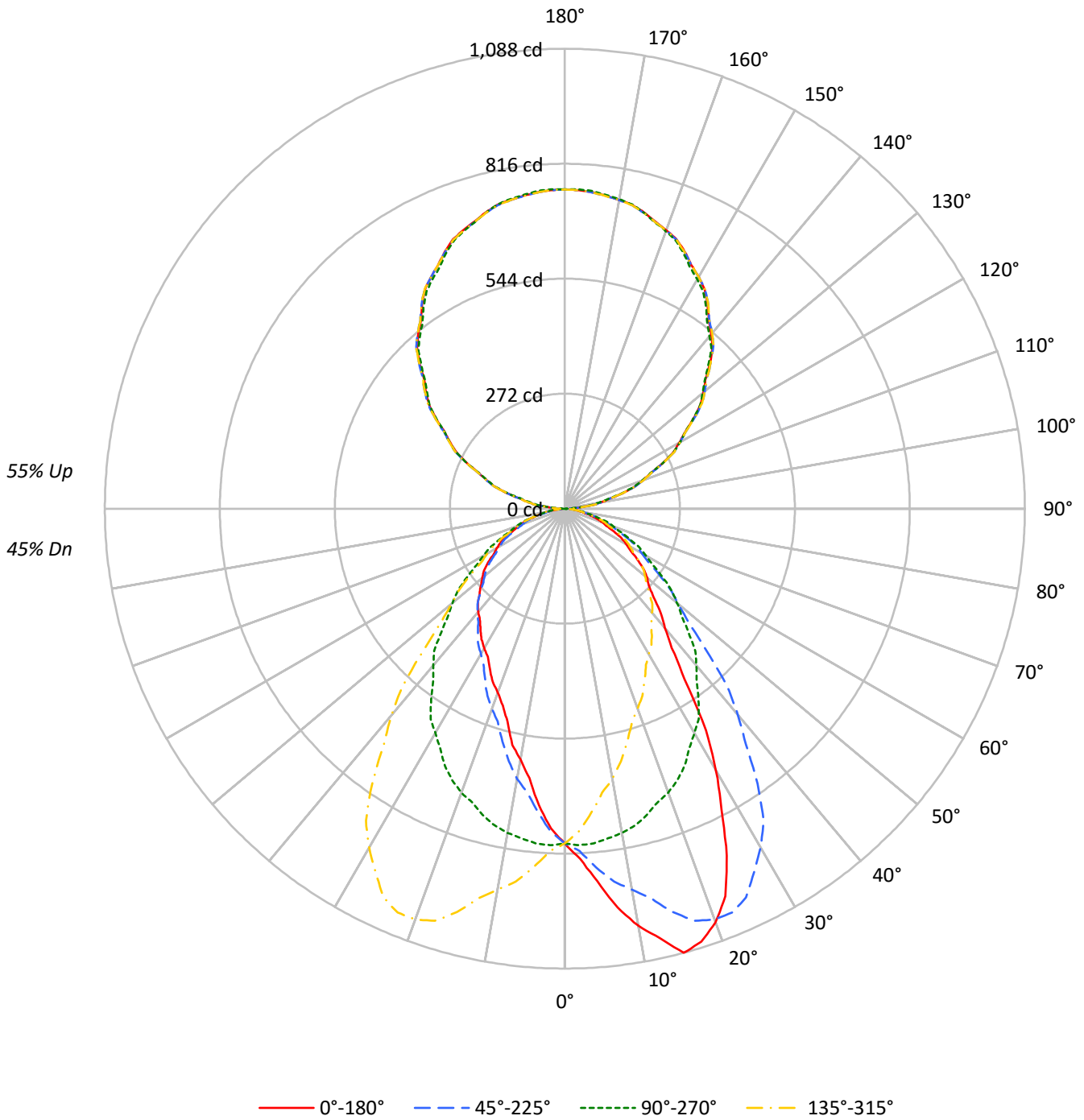
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	45	39				
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	41	40	38	33				
3	81	72	65	60	74	67	60	56	56	51	48	46	43	40	37	35	33	29				
4	75	64	57	51	68	59	53	47	50	45	41	41	38	35	33	31	29	25				
5	69	57	50	44	63	53	46	41	45	40	36	37	34	30	30	28	25	22				
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20				
7	59	47	39	34	54	43	36	32	37	32	28	31	27	24	25	22	20	18				
8	54	42	35	30	50	39	33	28	34	29	25	28	24	21	23	20	18	16				
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	17	14				
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	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	2.0
10°-20°	219.3	5.7
20°-30°	318.3	8.2
30°-40°	335.9	8.7
40°-50°	297.4	7.7
50°-60°	237.4	6.1
60°-70°	161.3	4.2
70°-80°	82.7	2.1
80°-90°	23.0	0.6
90°-100°	47.9	1.2
100°-110°	148.6	3.8
110°-120°	254.0	6.6
120°-130°	334.1	8.6
130°-140°	375.0	9.7
140°-150°	367.7	9.5
150°-160°	308.4	8.0
160°-170°	204.5	5.3
170°-180°	71.5	1.9
0°-30°	613.1	15.9
0°-40°	949.1	24.6
0°-60°	1483.9	38.4
0°-90°	1750.9	45.3
90°-120°	450.5	11.7
90°-150°	1527.2	39.5
90°-180°	2112.0	54.7
0°-180°	3862.5	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°	22	1	22	1	22	10
95°	40	33	40	33	40	44
105°	142	137	142	137	142	149
115°	255	255	255	255	255	252
125°	372	371	372	371	372	332
135°	486	480	486	480	486	374
145°	589	582	589	582	589	368
155°	671	666	671	666	671	309
165°	725	725	725	725	725	205
175°	751	754	751	754	751	71
180°	755	755	755	755	755	



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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°	10.7	10.6	10.8	10.6	10.5	10.8	10.8	10.7	11.0	11.3	10.9
90°	21.7	21.5	21.4	21.3	21.1	21.2	21.4	21.8	22.0	22.3	19.2
92.5°	20.6	20.6	20.6	20.5	20.5	20.5	20.5	20.4	20.3	20.3	19.6
95°	39.5	39.8	40.1	40.4	40.7	40.8	40.8	40.8	40.8	40.8	40.5
97.5°	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.0
100°	87.3	87.5	87.6	87.7	87.9	88.0	88.0	88.0	88.0	88.0	87.5
102.5°	108.7	108.8	109.0	109.2	109.3	109.3	109.2	109.1	108.9	108.8	108.3
105°	141.5	141.5	141.5	141.5	141.5	141.4	141.0	140.8	140.5	140.2	139.9
107.5°	172.4	173.0	173.7	174.3	175.0	175.2	175.0	175.0	174.9	174.7	174.7
110°	196.2	196.7	197.1	197.5	198.0	198.2	198.2	198.2	198.2	198.2	198.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	219.2	219.6	219.8	220.1	220.5	220.8	221.1	221.4	221.8	222.2	222.3
115°	254.9	255.4	255.8	256.2	256.6	256.9	257.1	257.1	257.3	257.5	257.7
117.5°	288.9	289.3	289.8	290.2	290.7	291.0	291.4	291.7	292.0	292.4	293.2
120°	312.9	313.3	313.7	314.1	314.6	314.8	314.8	314.8	314.8	314.8	315.9
122.5°	336.4	336.6	337.0	337.3	337.6	337.9	338.3	338.6	338.9	339.2	340.1
125°	372.2	372.3	372.4	372.6	372.8	373.0	373.4	373.9	374.3	374.7	375.1
127.5°	404.8	405.3	405.7	406.2	406.6	407.1	407.6	408.1	408.6	409.1	409.6
130°	428.3	428.8	429.4	429.9	430.5	431.0	431.2	431.5	431.8	432.1	432.4
132.5°	450.7	451.1	451.6	452.0	452.5	453.1	453.6	454.3	454.9	455.5	455.4
135°	485.6	486.0	486.5	486.9	487.3	487.5	487.7	487.9	488.0	488.1	487.9
137.5°	517.2	517.8	518.4	518.9	519.5	519.8	519.9	520.1	520.2	520.2	519.9
140°	539.2	539.7	540.3	540.9	541.4	541.7	541.7	541.7	541.7	541.7	541.0
142.5°	559.1	559.6	560.1	560.7	561.3	561.5	561.4	561.3	561.2	561.1	560.6
145°	588.8	589.4	590.0	590.5	591.1	591.3	591.2	591.0	590.9	590.8	589.9
147.5°	615.5	616.0	616.5	617.1	617.7	617.8	617.4	617.1	616.8	616.5	616.0
150°	632.8	633.2	633.7	634.1	634.5	634.5	634.1	633.7	633.2	632.8	632.3
152.5°	649.1	649.6	650.2	650.8	651.3	651.3	650.8	650.2	649.6	649.1	648.4
155°	671.1	671.5	671.9	672.3	672.8	672.6	671.9	671.2	670.5	669.8	669.4
157.5°	689.9	690.6	691.3	691.9	692.6	692.5	691.5	690.6	689.6	688.6	688.4
160°	701.6	702.2	702.8	703.4	703.9	703.8	703.0	702.1	701.2	700.3	700.3
162.5°	711.8	712.5	713.2	713.9	714.5	714.4	713.5	712.5	711.5	710.5	710.5
165°	725.2	725.9	726.6	727.3	728.1	727.9	726.9	725.9	725.0	723.9	723.9
167.5°	736.2	736.9	737.7	738.4	739.2	739.0	738.0	737.0	736.1	735.0	735.1
170°	741.8	742.7	743.5	744.4	745.2	745.1	744.1	743.1	742.2	741.1	741.3
172.5°	746.4	747.2	748.0	748.9	749.7	749.7	748.7	747.7	746.7	745.8	745.9
175°	751.4	752.2	753.0	753.9	754.7	754.6	753.7	752.7	751.7	750.7	751.0
177.5°	753.7	754.3	755.0	755.7	756.4	756.4	755.7	755.0	754.3	753.7	753.8
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



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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°	10.5	9.9	9.3	9.3	8.2	7.9	6.5	5.5	5.5	5.7	5.5
90°	16.1	13.0	9.9	7.4	5.7	4.1	2.4	0.7	2.4	4.1	5.7
92.5°	18.8	18.0	17.3	16.3	15.1	13.9	12.6	11.3	12.6	13.9	15.1
95°	40.2	39.9	39.6	38.8	37.4	36.0	34.6	33.1	34.6	36.0	37.4
97.5°	67.5	66.9	66.4	65.6	64.2	63.0	61.8	60.6	61.8	63.0	64.2
100°	87.1	86.7	86.3	85.4	84.3	83.2	82.1	81.0	82.1	83.2	84.3
102.5°	107.8	107.2	106.7	106.0	105.1	104.2	103.2	102.3	103.2	104.2	105.1
105°	139.7	139.3	139.1	138.7	138.3	137.9	137.5	137.1	137.5	137.9	138.3
107.5°	174.7	174.7	174.7	174.4	173.8	173.2	172.6	171.9	172.6	173.2	173.8
110°	198.2	198.2	198.2	197.8	196.9	196.1	195.2	194.4	195.2	196.1	196.9





TEST NUMBER: P331304-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	222.4	222.5	222.6	222.3	221.4	220.5	219.7	218.8	219.7	220.5	221.4
115°	258.0	258.3	258.6	258.3	257.5	256.6	255.8	254.9	255.8	256.6	257.5
117.5°	294.0	294.7	295.5	295.4	294.2	293.1	292.0	290.8	292.0	293.1	294.2
120°	317.1	318.2	319.4	319.4	318.2	317.1	315.9	314.8	315.9	317.1	318.2
122.5°	340.9	341.7	342.4	342.2	340.8	339.5	338.1	336.7	338.1	339.5	340.8
125°	375.5	376.0	376.4	376.0	374.7	373.4	372.2	370.9	372.2	373.4	374.7
127.5°	410.2	410.7	411.2	410.6	409.0	407.4	405.8	404.1	405.8	407.4	409.0
130°	432.6	432.9	433.2	432.4	430.6	428.8	426.9	425.1	426.9	428.8	430.6
132.5°	455.4	455.3	455.3	454.5	453.0	451.5	450.0	448.5	450.0	451.5	453.0
135°	487.5	487.3	487.0	486.1	484.5	483.0	481.4	479.9	481.4	483.0	484.5
137.5°	519.5	519.2	518.8	518.0	516.7	515.4	514.1	512.9	514.1	515.4	516.7
140°	540.3	539.6	538.8	537.9	536.5	535.3	534.0	532.8	534.0	535.3	536.5
142.5°	560.1	559.6	559.1	558.2	557.0	555.7	554.4	553.2	554.4	555.7	557.0
145°	589.1	588.2	587.3	586.4	585.5	584.5	583.4	582.4	583.4	584.5	585.5
147.5°	615.4	614.8	614.2	613.3	612.1	611.0	609.8	608.6	609.8	611.0	612.1
150°	631.7	631.1	630.6	629.8	629.0	628.1	627.3	626.5	627.3	628.1	629.0
152.5°	647.8	647.1	646.4	645.6	644.8	643.9	643.1	642.2	643.1	643.9	644.8
155°	669.0	668.5	668.1	667.6	667.2	666.8	666.3	665.9	666.3	666.8	667.2
157.5°	688.1	687.9	687.6	687.4	687.1	686.8	686.5	686.2	686.5	686.8	687.1
160°	700.1	699.9	699.8	699.6	699.3	699.0	698.7	698.5	698.7	699.0	699.3
162.5°	710.3	710.1	710.0	709.9	709.8	709.8	709.7	709.6	709.7	709.8	709.8
165°	723.9	723.9	723.9	724.0	724.1	724.3	724.5	724.6	724.5	724.3	724.1
167.5°	735.1	735.2	735.2	735.4	735.8	736.2	736.6	737.0	736.6	736.2	735.8
170°	741.4	741.6	741.7	742.0	742.4	742.8	743.3	743.7	743.3	742.8	742.4
172.5°	746.0	746.2	746.3	746.6	747.0	747.5	747.9	748.3	747.9	747.5	747.0
175°	751.3	751.5	751.9	752.2	752.6	753.0	753.5	753.9	753.5	753.0	752.6
177.5°	754.1	754.3	754.6	754.8	755.1	755.5	755.9	756.2	755.9	755.5	755.1
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



TEST NUMBER: P331304-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**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°	5.6	5.9	6.3	6.8	7.3	7.7	7.3	7.3	7.2	6.7	6.7
90°	7.4	9.9	13.0	16.1	19.2	22.3	22.0	21.8	21.4	21.2	21.1
92.5°	16.3	17.3	18.0	18.8	19.6	20.3	20.3	20.4	20.5	20.5	20.5
95°	38.8	39.6	39.9	40.2	40.5	40.8	40.8	40.8	40.8	40.8	40.7
97.5°	65.6	66.4	66.9	67.5	68.0	68.6	68.6	68.6	68.6	68.6	68.6
100°	85.4	86.3	86.7	87.1	87.5	88.0	88.0	88.0	88.0	88.0	87.9
102.5°	106.0	106.7	107.2	107.8	108.3	108.8	108.9	109.1	109.2	109.3	109.3
105°	138.7	139.1	139.3	139.7	139.9	140.2	140.5	140.8	141.0	141.4	141.5
107.5°	174.4	174.7	174.7	174.7	174.7	174.7	174.9	175.0	175.0	175.2	175.0
110°	197.8	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.0



TEST NUMBER: P331304-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	222.3	222.6	222.5	222.4	222.3	222.2	221.8	221.4	221.1	220.8	220.5
115°	258.3	258.6	258.3	258.0	257.7	257.5	257.3	257.1	257.1	256.9	256.6
117.5°	295.4	295.5	294.7	294.0	293.2	292.4	292.0	291.7	291.4	291.0	290.7
120°	319.4	319.4	318.2	317.1	315.9	314.8	314.8	314.8	314.8	314.8	314.6
122.5°	342.2	342.4	341.7	340.9	340.1	339.2	338.9	338.6	338.3	337.9	337.6
125°	376.0	376.4	376.0	375.5	375.1	374.7	374.3	373.9	373.4	373.0	372.8
127.5°	410.6	411.2	410.7	410.2	409.6	409.1	408.6	408.1	407.6	407.1	406.6
130°	432.4	433.2	432.9	432.6	432.4	432.1	431.8	431.5	431.2	431.0	430.5
132.5°	454.5	455.3	455.3	455.4	455.4	455.5	454.9	454.3	453.6	453.1	452.5
135°	486.1	487.0	487.3	487.5	487.9	488.1	488.0	487.9	487.7	487.5	487.3
137.5°	518.0	518.8	519.2	519.5	519.9	520.2	520.2	520.1	519.9	519.8	519.5
140°	537.9	538.8	539.6	540.3	541.0	541.7	541.7	541.7	541.7	541.7	541.4
142.5°	558.2	559.1	559.6	560.1	560.6	561.1	561.2	561.3	561.4	561.5	561.3
145°	586.4	587.3	588.2	589.1	589.9	590.8	590.9	591.0	591.2	591.3	591.1
147.5°	613.3	614.2	614.8	615.4	616.0	616.5	616.8	617.1	617.4	617.8	617.7
150°	629.8	630.6	631.1	631.7	632.3	632.8	633.2	633.7	634.1	634.5	634.5
152.5°	645.6	646.4	647.1	647.8	648.4	649.1	649.6	650.2	650.8	651.3	651.3
155°	667.6	668.1	668.5	669.0	669.4	669.8	670.5	671.2	671.9	672.6	672.8
157.5°	687.4	687.6	687.9	688.1	688.4	688.6	689.6	690.6	691.5	692.5	692.6
160°	699.6	699.8	699.9	700.1	700.3	700.3	701.2	702.1	703.0	703.8	703.9
162.5°	709.9	710.0	710.1	710.3	710.5	710.5	711.5	712.5	713.5	714.4	714.5
165°	724.0	723.9	723.9	723.9	723.9	723.9	725.0	725.9	726.9	727.9	728.1
167.5°	735.4	735.2	735.2	735.1	735.1	735.0	736.1	737.0	738.0	739.0	739.2
170°	742.0	741.7	741.6	741.4	741.3	741.1	742.2	743.1	744.1	745.1	745.2
172.5°	746.6	746.3	746.2	746.0	745.9	745.8	746.7	747.7	748.7	749.7	749.7
175°	752.2	751.9	751.5	751.3	751.0	750.7	751.7	752.7	753.7	754.6	754.7
177.5°	754.8	754.6	754.3	754.1	753.8	753.7	754.3	755.0	755.7	756.4	756.4
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



TEST NUMBER: P331304-930  
 CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**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°	6.7	6.4	6.5	6.3	6.5	6.4	6.7	6.7	6.7	7.2	7.3
90°	21.3	21.4	21.5	21.7	21.5	21.4	21.3	21.1	21.2	21.4	21.8
92.5°	20.5	20.6	20.6	20.6	20.6	20.6	20.5	20.5	20.5	20.5	20.4
95°	40.4	40.1	39.8	39.5	39.8	40.1	40.4	40.7	40.8	40.8	40.8
97.5°	68.6	68.5	68.5	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6
100°	87.7	87.6	87.5	87.3	87.5	87.6	87.7	87.9	88.0	88.0	88.0
102.5°	109.2	109.0	108.8	108.7	108.8	109.0	109.2	109.3	109.3	109.2	109.1
105°	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.4	141.0	140.8
107.5°	174.3	173.7	173.0	172.4	173.0	173.7	174.3	175.0	175.2	175.0	175.0
110°	197.5	197.1	196.7	196.2	196.7	197.1	197.5	198.0	198.2	198.2	198.2



TEST NUMBER: P331304-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	220.1	219.8	219.6	219.2	219.6	219.8	220.1	220.5	220.8	221.1	221.4
115°	256.2	255.8	255.4	254.9	255.4	255.8	256.2	256.6	256.9	257.1	257.1
117.5°	290.2	289.8	289.3	288.9	289.3	289.8	290.2	290.7	291.0	291.4	291.7
120°	314.1	313.7	313.3	312.9	313.3	313.7	314.1	314.6	314.8	314.8	314.8
122.5°	337.3	337.0	336.6	336.4	336.6	337.0	337.3	337.6	337.9	338.3	338.6
125°	372.6	372.4	372.3	372.2	372.3	372.4	372.6	372.8	373.0	373.4	373.9
127.5°	406.2	405.7	405.3	404.8	405.3	405.7	406.2	406.6	407.1	407.6	408.1
130°	429.9	429.4	428.8	428.3	428.8	429.4	429.9	430.5	431.0	431.2	431.5
132.5°	452.0	451.6	451.1	450.7	451.1	451.6	452.0	452.5	453.1	453.6	454.3
135°	486.9	486.5	486.0	485.6	486.0	486.5	486.9	487.3	487.5	487.7	487.9
137.5°	518.9	518.4	517.8	517.2	517.8	518.4	518.9	519.5	519.8	519.9	520.1
140°	540.9	540.3	539.7	539.2	539.7	540.3	540.9	541.4	541.7	541.7	541.7
142.5°	560.7	560.1	559.6	559.1	559.6	560.1	560.7	561.3	561.5	561.4	561.3
145°	590.5	590.0	589.4	588.8	589.4	590.0	590.5	591.1	591.3	591.2	591.0
147.5°	617.1	616.5	616.0	615.5	616.0	616.5	617.1	617.7	617.8	617.4	617.1
150°	634.1	633.7	633.2	632.8	633.2	633.7	634.1	634.5	634.5	634.1	633.7
152.5°	650.8	650.2	649.6	649.1	649.6	650.2	650.8	651.3	651.3	650.8	650.2
155°	672.3	671.9	671.5	671.1	671.5	671.9	672.3	672.8	672.6	671.9	671.2
157.5°	691.9	691.3	690.6	689.9	690.6	691.3	691.9	692.6	692.5	691.5	690.6
160°	703.4	702.8	702.2	701.6	702.2	702.8	703.4	703.9	703.8	703.0	702.1
162.5°	713.9	713.2	712.5	711.8	712.5	713.2	713.9	714.5	714.4	713.5	712.5
165°	727.3	726.6	725.9	725.2	725.9	726.6	727.3	728.1	727.9	726.9	725.9
167.5°	738.4	737.7	736.9	736.2	736.9	737.7	738.4	739.2	739.0	738.0	737.0
170°	744.4	743.5	742.7	741.8	742.7	743.5	744.4	745.2	745.1	744.1	743.1
172.5°	748.9	748.0	747.2	746.4	747.2	748.0	748.9	749.7	749.7	748.7	747.7
175°	753.9	753.0	752.2	751.4	752.2	753.0	753.9	754.7	754.6	753.7	752.7
177.5°	755.7	755.0	754.3	753.7	754.3	755.0	755.7	756.4	756.4	755.7	755.0
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



TEST NUMBER: P331304-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**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°	7.3	7.7	7.3	6.8	6.3	5.9	5.6	5.5	5.7	5.5	5.5
90°	22.0	22.3	19.2	16.1	13.0	9.9	7.4	5.7	4.1	2.4	0.7
92.5°	20.3	20.3	19.6	18.8	18.0	17.3	16.3	15.1	13.9	12.6	11.3
95°	40.8	40.8	40.5	40.2	39.9	39.6	38.8	37.4	36.0	34.6	33.1
97.5°	68.6	68.6	68.0	67.5	66.9	66.4	65.6	64.2	63.0	61.8	60.6
100°	88.0	88.0	87.5	87.1	86.7	86.3	85.4	84.3	83.2	82.1	81.0
102.5°	108.9	108.8	108.3	107.8	107.2	106.7	106.0	105.1	104.2	103.2	102.3
105°	140.5	140.2	139.9	139.7	139.3	139.1	138.7	138.3	137.9	137.5	137.1
107.5°	174.9	174.7	174.7	174.7	174.7	174.7	174.4	173.8	173.2	172.6	171.9
110°	198.2	198.2	198.2	198.2	198.2	198.2	197.8	196.9	196.1	195.2	194.4



TEST NUMBER: P331304-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	221.8	222.2	222.3	222.4	222.5	222.6	222.3	221.4	220.5	219.7	218.8
115°	257.3	257.5	257.7	258.0	258.3	258.6	258.3	257.5	256.6	255.8	254.9
117.5°	292.0	292.4	293.2	294.0	294.7	295.5	295.4	294.2	293.1	292.0	290.8
120°	314.8	314.8	315.9	317.1	318.2	319.4	319.4	318.2	317.1	315.9	314.8
122.5°	338.9	339.2	340.1	340.9	341.7	342.4	342.2	340.8	339.5	338.1	336.7
125°	374.3	374.7	375.1	375.5	376.0	376.4	376.0	374.7	373.4	372.2	370.9
127.5°	408.6	409.1	409.6	410.2	410.7	411.2	410.6	409.0	407.4	405.8	404.1
130°	431.8	432.1	432.4	432.6	432.9	433.2	432.4	430.6	428.8	426.9	425.1
132.5°	454.9	455.5	455.4	455.4	455.3	455.3	454.5	453.0	451.5	450.0	448.5
135°	488.0	488.1	487.9	487.5	487.3	487.0	486.1	484.5	483.0	481.4	479.9
137.5°	520.2	520.2	519.9	519.5	519.2	518.8	518.0	516.7	515.4	514.1	512.9
140°	541.7	541.7	541.0	540.3	539.6	538.8	537.9	536.5	535.3	534.0	532.8
142.5°	561.2	561.1	560.6	560.1	559.6	559.1	558.2	557.0	555.7	554.4	553.2
145°	590.9	590.8	589.9	589.1	588.2	587.3	586.4	585.5	584.5	583.4	582.4
147.5°	616.8	616.5	616.0	615.4	614.8	614.2	613.3	612.1	611.0	609.8	608.6
150°	633.2	632.8	632.3	631.7	631.1	630.6	629.8	629.0	628.1	627.3	626.5
152.5°	649.6	649.1	648.4	647.8	647.1	646.4	645.6	644.8	643.9	643.1	642.2
155°	670.5	669.8	669.4	669.0	668.5	668.1	667.6	667.2	666.8	666.3	665.9
157.5°	689.6	688.6	688.4	688.1	687.9	687.6	687.4	687.1	686.8	686.5	686.2
160°	701.2	700.3	700.3	700.1	699.9	699.8	699.6	699.3	699.0	698.7	698.5
162.5°	711.5	710.5	710.5	710.3	710.1	710.0	709.9	709.8	709.8	709.7	709.6
165°	725.0	723.9	723.9	723.9	723.9	723.9	724.0	724.1	724.3	724.5	724.6
167.5°	736.1	735.0	735.1	735.1	735.2	735.2	735.4	735.8	736.2	736.6	737.0
170°	742.2	741.1	741.3	741.4	741.6	741.7	742.0	742.4	742.8	743.3	743.7
172.5°	746.7	745.8	745.9	746.0	746.2	746.3	746.6	747.0	747.5	747.9	748.3
175°	751.7	750.7	751.0	751.3	751.5	751.9	752.2	752.6	753.0	753.5	753.9
177.5°	754.3	753.7	753.8	754.1	754.3	754.6	754.8	755.1	755.5	755.9	756.2
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



TEST NUMBER: P331304-930  
 CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**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°	6.5	7.9	8.2	9.3	9.3	9.9	10.5	10.9	11.3	11.0	10.7
90°	2.4	4.1	5.7	7.4	9.9	13.0	16.1	19.2	22.3	22.0	21.8
92.5°	12.6	13.9	15.1	16.3	17.3	18.0	18.8	19.6	20.3	20.3	20.4
95°	34.6	36.0	37.4	38.8	39.6	39.9	40.2	40.5	40.8	40.8	40.8
97.5°	61.8	63.0	64.2	65.6	66.4	66.9	67.5	68.0	68.6	68.6	68.6
100°	82.1	83.2	84.3	85.4	86.3	86.7	87.1	87.5	88.0	88.0	88.0
102.5°	103.2	104.2	105.1	106.0	106.7	107.2	107.8	108.3	108.8	108.9	109.1
105°	137.5	137.9	138.3	138.7	139.1	139.3	139.7	139.9	140.2	140.5	140.8
107.5°	172.6	173.2	173.8	174.4	174.7	174.7	174.7	174.7	174.7	174.9	175.0
110°	195.2	196.1	196.9	197.8	198.2	198.2	198.2	198.2	198.2	198.2	198.2





TEST NUMBER: P331304-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	219.7	220.5	221.4	222.3	222.6	222.5	222.4	222.3	222.2	221.8	221.4
115°	255.8	256.6	257.5	258.3	258.6	258.3	258.0	257.7	257.5	257.3	257.1
117.5°	292.0	293.1	294.2	295.4	295.5	294.7	294.0	293.2	292.4	292.0	291.7
120°	315.9	317.1	318.2	319.4	319.4	318.2	317.1	315.9	314.8	314.8	314.8
122.5°	338.1	339.5	340.8	342.2	342.4	341.7	340.9	340.1	339.2	338.9	338.6
125°	372.2	373.4	374.7	376.0	376.4	376.0	375.5	375.1	374.7	374.3	373.9
127.5°	405.8	407.4	409.0	410.6	411.2	410.7	410.2	409.6	409.1	408.6	408.1
130°	426.9	428.8	430.6	432.4	433.2	432.9	432.6	432.4	432.1	431.8	431.5
132.5°	450.0	451.5	453.0	454.5	455.3	455.3	455.4	455.4	455.5	454.9	454.3
135°	481.4	483.0	484.5	486.1	487.0	487.3	487.5	487.9	488.1	488.0	487.9
137.5°	514.1	515.4	516.7	518.0	518.8	519.2	519.5	519.9	520.2	520.2	520.1
140°	534.0	535.3	536.5	537.9	538.8	539.6	540.3	541.0	541.7	541.7	541.7
142.5°	554.4	555.7	557.0	558.2	559.1	559.6	560.1	560.6	561.1	561.2	561.3
145°	583.4	584.5	585.5	586.4	587.3	588.2	589.1	589.9	590.8	590.9	591.0
147.5°	609.8	611.0	612.1	613.3	614.2	614.8	615.4	616.0	616.5	616.8	617.1
150°	627.3	628.1	629.0	629.8	630.6	631.1	631.7	632.3	632.8	633.2	633.7
152.5°	643.1	643.9	644.8	645.6	646.4	647.1	647.8	648.4	649.1	649.6	650.2
155°	666.3	666.8	667.2	667.6	668.1	668.5	669.0	669.4	669.8	670.5	671.2
157.5°	686.5	686.8	687.1	687.4	687.6	687.9	688.1	688.4	688.6	689.6	690.6
160°	698.7	699.0	699.3	699.6	699.8	699.9	700.1	700.3	700.3	701.2	702.1
162.5°	709.7	709.8	709.8	709.9	710.0	710.1	710.3	710.5	710.5	711.5	712.5
165°	724.5	724.3	724.1	724.0	723.9	723.9	723.9	723.9	723.9	725.0	725.9
167.5°	736.6	736.2	735.8	735.4	735.2	735.2	735.1	735.1	735.0	736.1	737.0
170°	743.3	742.8	742.4	742.0	741.7	741.6	741.4	741.3	741.1	742.2	743.1
172.5°	747.9	747.5	747.0	746.6	746.3	746.2	746.0	745.9	745.8	746.7	747.7
175°	753.5	753.0	752.6	752.2	751.9	751.5	751.3	751.0	750.7	751.7	752.7
177.5°	755.9	755.5	755.1	754.8	754.6	754.3	754.1	753.8	753.7	754.3	755.0
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



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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°	10.8	10.8	10.5	10.6	10.8	10.6	10.7
90°	21.4	21.2	21.1	21.3	21.4	21.5	21.7
92.5°	20.5	20.5	20.5	20.5	20.6	20.6	20.6
95°	40.8	40.8	40.7	40.4	40.1	39.8	39.5
97.5°	68.6	68.6	68.6	68.6	68.5	68.5	68.4
100°	88.0	88.0	87.9	87.7	87.6	87.5	87.3
102.5°	109.2	109.3	109.3	109.2	109.0	108.8	108.7
105°	141.0	141.4	141.5	141.5	141.5	141.5	141.5
107.5°	175.0	175.2	175.0	174.3	173.7	173.0	172.4
110°	198.2	198.2	198.0	197.5	197.1	196.7	196.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	221.1	220.8	220.5	220.1	219.8	219.6	219.2
115°	257.1	256.9	256.6	256.2	255.8	255.4	254.9
117.5°	291.4	291.0	290.7	290.2	289.8	289.3	288.9
120°	314.8	314.8	314.6	314.1	313.7	313.3	312.9
122.5°	338.3	337.9	337.6	337.3	337.0	336.6	336.4
125°	373.4	373.0	372.8	372.6	372.4	372.3	372.2
127.5°	407.6	407.1	406.6	406.2	405.7	405.3	404.8
130°	431.2	431.0	430.5	429.9	429.4	428.8	428.3
132.5°	453.6	453.1	452.5	452.0	451.6	451.1	450.7
135°	487.7	487.5	487.3	486.9	486.5	486.0	485.6
137.5°	519.9	519.8	519.5	518.9	518.4	517.8	517.2
140°	541.7	541.7	541.4	540.9	540.3	539.7	539.2
142.5°	561.4	561.5	561.3	560.7	560.1	559.6	559.1
145°	591.2	591.3	591.1	590.5	590.0	589.4	588.8
147.5°	617.4	617.8	617.7	617.1	616.5	616.0	615.5
150°	634.1	634.5	634.5	634.1	633.7	633.2	632.8
152.5°	650.8	651.3	651.3	650.8	650.2	649.6	649.1
155°	671.9	672.6	672.8	672.3	671.9	671.5	671.1
157.5°	691.5	692.5	692.6	691.9	691.3	690.6	689.9
160°	703.0	703.8	703.9	703.4	702.8	702.2	701.6
162.5°	713.5	714.4	714.5	713.9	713.2	712.5	711.8
165°	726.9	727.9	728.1	727.3	726.6	725.9	725.2
167.5°	738.0	739.0	739.2	738.4	737.7	736.9	736.2
170°	744.1	745.1	745.2	744.4	743.5	742.7	741.8
172.5°	748.7	749.7	749.7	748.9	748.0	747.2	746.4
175°	753.7	754.6	754.7	753.9	753.0	752.2	751.4
177.5°	755.7	756.4	756.4	755.7	755.0	754.3	753.7
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1

(END OF REPORT)