

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P571912

Luminaire Tested: 22ID-30-L830-SWD

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22ID-30-L830-SWD
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN DROPPED SWEEP LENS AND 3000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2928.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.21 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

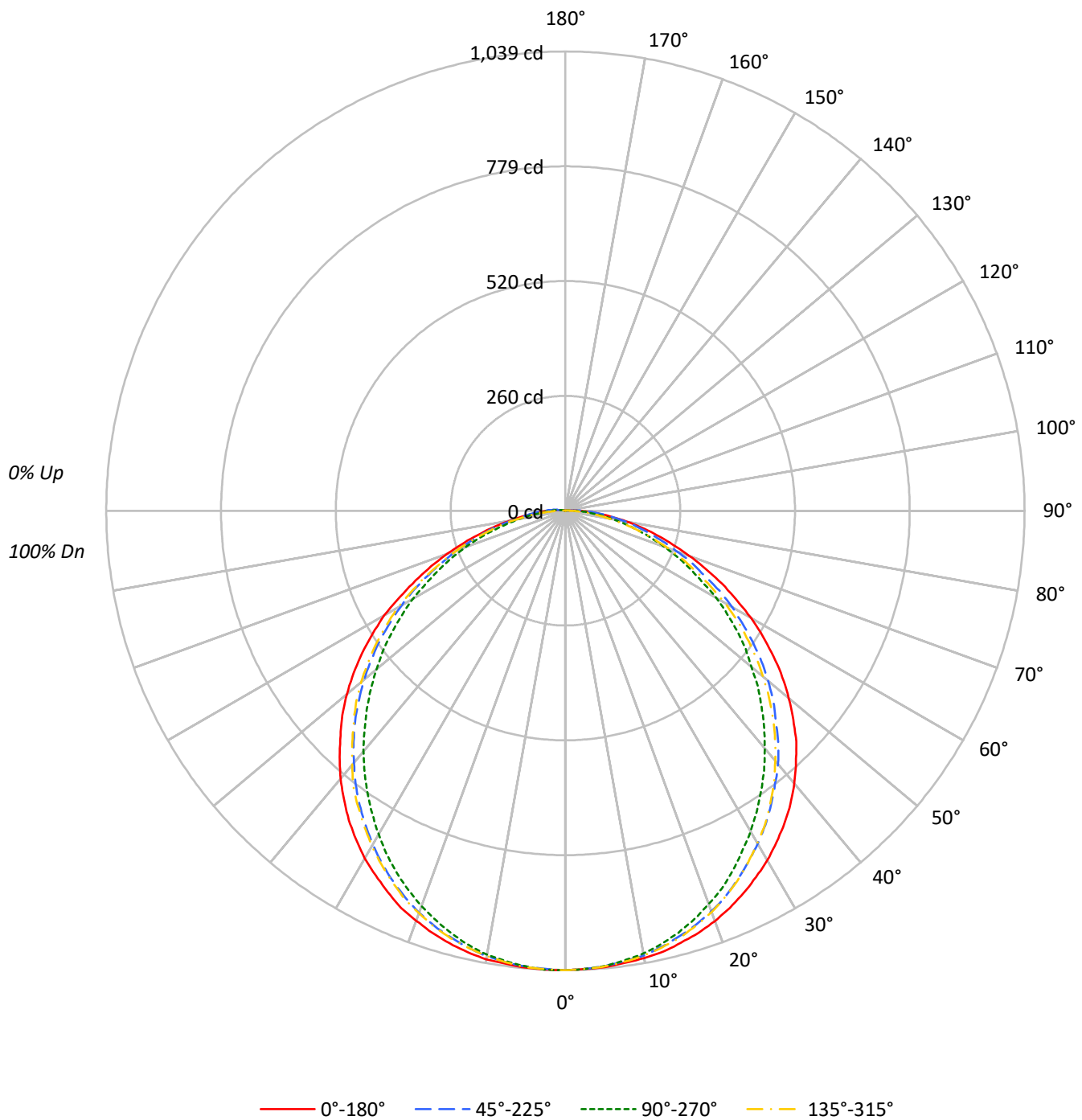
Input Watts (W): 24.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		89
2	99	90	83	78	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69
4	82	70	62	55	80	69	61	54	66	59	54		64	58	53		62
5	76	63	54	47	74	62	53	47	60	52	46		57	51	46		56
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		50
7	65	51	43	36	63	51	42	36	49	41	36		47	41	36		46
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39
10	53	40	32	27	52	39	32	26	38	31	26		37	31	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2797	2797	2797	2797
5°	2780	2772	2783	2776
10°	2768	2740	2775	2748
15°	2757	2693	2761	2701
20°	2747	2633	2743	2645
25°	2729	2566	2720	2583
30°	2709	2484	2692	2506
35°	2682	2397	2651	2424
40°	2646	2305	2598	2334
45°	2595	2205	2528	2231
50°	2513	2090	2457	2124
55°	2412	1989	2356	2007
60°	2280	1861	2225	1874
65°	2113	1679	2019	1703
70°	1906	1524	1813	1533
75°	1702	1343	1574	1297
80°	1474	1122	1321	1090
85°	1178	900	1108	900

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2595 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	3.4
10°-20°	282.3	9.6
20°-30°	426.5	14.6
30°-40°	510.1	17.4
40°-50°	521.8	17.8
50°-60°	461.8	15.8
60°-70°	342.1	11.7
70°-80°	197.3	6.7
80°-90°	73.3	2.5
90°-100°	13.4	0.5
100°-110°	1.1	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	807.1	27.6
0°-40°	1317.2	45.0
0°-60°	2300.9	78.6
0°-90°	2913.5	99.5
90°-120°	14.5	0.5
90°-150°	14.5	0.5
90°-180°	14.0	0.5
0°-180°	2928.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1039	1039	1039	1039	1039	
5°	1036	1034	1038	1035	1036	99
15°	1012	988	1013	991	1012	286
25°	955	898	952	904	955	440
35°	864	772	854	781	864	540
45°	739	628	720	635	739	568
55°	575	474	562	479	575	514
65°	391	311	374	315	391	386
75°	215	169	198	164	215	228
85°	74	57	70	57	74	75
90°	29	20	39	31	29	17
95°	4	3	20	18	4	3
105°	0	0	3	3	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1037.9	1039.4	1037.9	1037.9	1037.9	1037.9	1036.5	1036.5	1037.9	1037.9	1037.9
5°	1036.5	1036.5	1035.0	1035.0	1035.0	1035.0	1033.6	1033.6	1035.0	1035.0	1033.6
7.5°	1032.1	1032.1	1032.1	1030.6	1029.2	1030.6	1029.2	1029.2	1029.2	1029.2	1027.7
10°	1027.7	1027.7	1027.7	1027.7	1024.8	1024.8	1023.3	1023.3	1021.9	1021.9	1021.9
12.5°	1021.9	1021.9	1020.4	1019.0	1017.5	1017.5	1016.1	1014.6	1013.1	1011.7	1010.2
15°	1011.7	1011.7	1011.7	1008.8	1007.3	1005.8	1005.8	1004.4	1001.5	1000.0	997.1
17.5°	1001.5	1001.5	1000.0	997.1	995.6	994.2	992.7	991.2	988.3	985.4	982.5
20°	988.3	988.3	986.9	983.9	981.0	979.6	979.6	976.6	970.8	967.9	965.0
22.5°	972.3	973.7	972.3	969.3	966.4	963.5	963.5	957.7	953.3	950.4	946.0
25°	954.7	954.7	953.3	950.4	946.0	943.1	943.1	935.8	932.8	928.5	921.2
27.5°	934.3	934.3	932.8	929.9	927.0	922.6	921.2	913.9	909.5	905.1	896.3
30°	913.9	912.4	912.4	906.6	903.6	899.3	897.8	889.0	884.7	878.8	870.1
32.5°	889.0	889.0	889.0	881.7	878.8	874.4	873.0	864.2	858.4	851.1	842.3
35°	864.2	862.8	859.8	855.5	851.1	846.7	845.2	836.5	830.7	821.9	811.7
37.5°	836.5	833.6	832.1	827.7	823.4	816.1	816.1	807.3	800.0	791.2	779.6
40°	805.8	802.9	801.5	795.6	791.2	785.4	783.9	775.2	765.0	757.7	748.9
42.5°	772.3	769.3	766.4	765.0	757.7	751.8	750.4	740.1	729.9	722.6	713.9
45°	738.7	734.3	731.4	728.5	721.2	715.3	713.9	702.2	693.4	686.1	673.0
47.5°	699.3	696.3	692.0	686.1	683.2	675.9	675.9	664.2	655.5	646.7	638.0
50°	659.8	655.5	652.5	646.7	642.3	636.5	632.1	624.8	616.1	607.3	598.5
52.5°	619.0	614.6	613.1	608.8	601.5	595.6	591.2	585.4	575.2	566.4	559.1
55°	575.2	573.7	567.9	566.4	559.1	553.3	550.4	541.6	532.8	525.5	516.8
57.5°	529.9	525.5	525.5	521.2	515.3	508.0	508.0	497.8	490.5	483.2	474.4
60°	484.7	481.7	481.7	474.4	471.5	465.7	465.7	454.0	448.2	440.9	435.0
62.5°	436.5	439.4	432.1	432.1	426.3	421.9	420.4	413.1	405.8	400.0	394.2
65°	391.2	392.7	388.3	386.9	378.1	373.7	372.3	366.4	360.6	354.7	346.0
67.5°	343.1	344.5	343.1	340.1	335.8	331.4	329.9	324.1	319.7	313.9	310.9
70°	297.8	297.8	299.3	297.8	293.4	290.5	290.5	283.2	278.8	274.5	267.2
72.5°	255.5	258.4	256.9	256.9	252.6	249.6	249.6	243.8	240.9	236.5	230.7
75°	214.6	216.1	217.5	216.1	213.1	211.7	210.2	207.3	204.4	201.5	195.6
77.5°	176.6	178.1	178.1	178.1	176.6	176.6	173.7	170.8	169.3	167.9	163.5
80°	140.1	141.6	143.1	143.1	141.6	140.1	140.1	138.7	138.7	137.2	135.8
82.5°	105.1	108.0	109.5	110.9	110.9	112.4	110.9	109.5	109.5	108.0	106.6
85°	74.5	77.4	80.3	81.8	83.2	83.2	83.2	83.2	83.2	83.2	80.3
87.5°	49.6	52.6	55.5	56.9	58.4	58.4	58.4	58.4	58.4	58.4	56.9
90°	29.2	32.1	33.6	35.0	36.5	35.0	36.5	36.5	38.0	38.0	36.5
92.5°	14.6	16.1	16.1	17.5	17.5	17.5	17.5	17.5	17.5	19.0	17.5
95°	4.4	4.4	5.8	5.8	5.8	5.8	4.4	4.4	2.9	2.9	1.5
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1036.5	1036.5	1036.5	1036.5	1036.5	1036.5	1036.5	1037.9	1037.9	1037.9	1037.9
5°	1033.6	1033.6	1032.1	1033.6	1033.6	1032.1	1033.6	1033.6	1033.6	1033.6	1035.0
7.5°	1027.7	1027.7	1026.3	1026.3	1026.3	1026.3	1026.3	1024.8	1026.3	1026.3	1026.3
10°	1019.0	1019.0	1017.5	1017.5	1017.5	1017.5	1016.1	1016.1	1017.5	1017.5	1017.5
12.5°	1008.8	1007.3	1005.8	1005.8	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4
15°	995.6	994.2	992.7	991.2	991.2	991.2	988.3	989.8	988.3	988.3	989.8
17.5°	981.0	978.1	975.2	973.7	973.7	973.7	970.8	970.8	969.3	969.3	970.8
20°	960.6	959.1	954.7	953.3	953.3	951.8	948.9	948.9	948.9	947.4	950.4
22.5°	941.6	938.7	932.8	931.4	931.4	929.9	925.5	925.5	925.5	925.5	925.5
25°	916.8	913.9	909.5	905.1	905.1	903.6	899.3	899.3	897.8	897.8	899.3
27.5°	890.5	887.6	881.7	877.4	877.4	875.9	871.5	871.5	868.6	867.1	870.1
30°	862.8	859.8	854.0	849.6	848.2	846.7	842.3	842.3	837.9	837.9	840.9
32.5°	837.9	830.7	823.4	819.0	817.5	816.1	811.7	810.2	807.3	805.8	807.3
35°	807.3	797.1	792.7	786.9	785.4	783.9	779.6	775.2	773.7	772.3	773.7
37.5°	775.2	765.0	759.1	753.3	751.8	748.9	743.1	740.1	738.7	738.7	740.1
40°	737.2	731.4	724.1	716.8	715.3	713.9	708.0	706.6	703.6	702.2	705.1
42.5°	702.2	694.9	687.6	680.3	680.3	678.8	673.0	670.1	667.1	665.7	667.1
45°	664.2	656.9	649.6	643.8	642.3	638.0	635.0	632.1	629.2	627.7	629.2
47.5°	624.8	617.5	611.7	604.4	602.9	601.5	597.1	594.2	589.8	591.2	591.2
50°	586.9	579.6	572.3	566.4	563.5	559.1	559.1	556.2	550.4	548.9	551.8
52.5°	547.4	540.1	532.8	527.0	525.5	521.2	516.8	515.3	512.4	513.9	512.4
55°	508.0	499.3	492.0	487.6	484.7	481.7	478.8	475.9	471.5	474.4	474.4
57.5°	464.2	456.9	452.6	446.7	445.3	443.8	438.0	436.5	432.1	433.6	432.1
60°	424.8	417.5	413.1	407.3	405.8	401.5	398.5	397.1	392.7	395.6	392.7
62.5°	386.9	375.2	369.3	363.5	363.5	360.6	357.7	354.7	350.4	348.9	348.9
65°	343.1	335.8	331.4	325.5	325.5	322.6	319.7	316.8	312.4	310.9	313.9
67.5°	303.6	299.3	292.0	287.6	287.6	284.7	281.7	280.3	275.9	274.5	275.9
70°	267.2	262.8	255.5	251.1	251.1	249.6	245.3	243.8	239.4	238.0	236.5
72.5°	230.7	223.4	220.4	216.1	216.1	214.6	210.2	208.8	204.4	202.9	201.5
75°	194.2	191.2	185.4	182.5	183.9	179.6	178.1	175.2	170.8	169.3	169.3
77.5°	160.6	159.1	153.3	150.4	150.4	147.4	146.0	143.1	141.6	138.7	137.2
80°	131.4	129.9	124.1	121.2	121.2	118.2	115.3	113.9	109.5	106.6	106.6
82.5°	105.1	102.2	97.8	94.9	93.4	92.0	89.1	86.1	81.8	80.3	77.4
85°	78.8	77.4	73.0	71.5	68.6	68.6	65.7	62.8	58.4	56.9	55.5
87.5°	55.5	55.5	51.1	49.6	48.2	46.7	43.8	42.3	38.0	36.5	33.6
90°	35.0	35.0	32.1	30.7	29.2	27.7	26.3	24.8	21.9	20.4	17.5
92.5°	16.1	16.1	14.6	13.1	13.1	13.1	11.7	11.7	10.2	8.8	7.3
95°	1.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1037.9	1037.9	1036.5	1037.9	1036.5	1036.5	1037.9	1037.9	1037.9	1037.9	1037.9
5°	1035.0	1033.6	1033.6	1033.6	1032.1	1033.6	1035.0	1035.0	1035.0	1035.0	1035.0
7.5°	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1027.7	1027.7	1029.2	1029.2	1030.6
10°	1017.5	1017.5	1017.5	1017.5	1017.5	1019.0	1019.0	1021.9	1021.9	1023.3	1024.8
12.5°	1004.4	1004.4	1004.4	1005.8	1005.8	1007.3	1008.8	1010.2	1011.7	1014.6	1014.6
15°	989.8	989.8	989.8	991.2	991.2	992.7	995.6	997.1	1000.0	1002.9	1002.9
17.5°	972.3	972.3	970.8	973.7	973.7	975.2	979.6	981.0	983.9	986.9	988.3
20°	950.4	950.4	950.4	953.3	953.3	956.2	959.1	962.0	966.4	970.8	972.3
22.5°	927.0	927.0	929.9	931.4	931.4	935.8	938.7	943.1	946.0	950.4	953.3
25°	899.3	902.2	902.2	905.1	908.0	909.5	915.3	918.2	922.6	928.5	931.4
27.5°	873.0	874.4	877.4	877.4	880.3	881.7	889.0	890.5	896.3	903.6	906.6
30°	839.4	843.8	843.8	848.2	851.1	854.0	859.8	862.8	868.6	875.9	881.7
32.5°	808.8	813.1	816.1	816.1	820.4	823.4	830.7	833.6	840.9	846.7	854.0
35°	776.6	779.6	782.5	783.9	786.9	791.2	798.5	801.5	808.8	816.1	823.4
37.5°	740.1	746.0	748.9	748.9	751.8	754.7	763.5	767.9	775.2	782.5	789.8
40°	706.6	709.5	712.4	713.9	718.2	719.7	728.5	732.8	738.7	748.9	754.7
42.5°	668.6	671.5	675.9	675.9	677.4	686.1	690.5	694.9	702.2	712.4	721.2
45°	630.7	633.6	638.0	639.4	639.4	646.7	652.5	656.9	664.2	674.4	683.2
47.5°	591.2	594.2	598.5	598.5	600.0	607.3	613.1	617.5	624.8	635.0	642.3
50°	553.3	556.2	559.1	559.1	560.6	563.5	572.3	576.6	583.9	594.2	601.5
52.5°	513.9	515.3	519.7	519.7	519.7	525.5	531.4	535.8	543.1	553.3	557.7
55°	473.0	474.4	478.8	480.3	480.3	486.1	490.5	494.9	500.7	508.0	518.2
57.5°	430.7	435.0	438.0	438.0	440.9	443.8	449.6	451.1	461.3	465.7	473.0
60°	392.7	395.6	398.5	398.5	397.1	402.9	407.3	410.2	414.6	424.8	430.7
62.5°	350.4	351.8	354.7	354.7	356.2	359.1	362.0	367.9	369.3	375.2	386.9
65°	312.4	312.4	313.9	315.3	315.3	318.2	321.2	325.5	327.0	331.4	340.1
67.5°	273.0	274.5	275.9	275.9	275.9	277.4	280.3	284.7	286.1	289.0	296.3
70°	235.0	236.5	238.0	238.0	238.0	238.0	240.9	245.3	245.3	248.2	252.6
72.5°	200.0	200.0	201.5	201.5	201.5	201.5	201.5	205.8	204.4	208.8	211.7
75°	166.4	165.0	165.0	166.4	165.0	165.0	165.0	167.9	167.9	167.9	172.3
77.5°	132.8	132.8	131.4	129.9	129.9	129.9	129.9	131.4	132.8	134.3	134.3
80°	102.2	100.7	100.7	99.3	97.8	97.8	96.3	99.3	96.3	100.7	100.7
82.5°	74.5	73.0	71.5	70.1	70.1	68.6	67.2	68.6	68.6	68.6	71.5
85°	51.1	48.2	48.2	45.3	45.3	43.8	43.8	45.3	43.8	45.3	46.7
87.5°	30.7	29.2	27.7	24.8	24.8	24.8	23.4	24.8	24.8	26.3	27.7
90°	14.6	13.1	11.7	11.7	10.2	10.2	10.2	11.7	11.7	13.1	16.1
92.5°	5.8	4.4	4.4	2.9	2.9	2.9	4.4	5.8	7.3	8.8	10.2
95°	1.5	1.5	1.5	1.5	0.0	1.5	1.5	2.9	4.4	5.8	7.3
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	2.9	2.9	4.4
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	2.9
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1037.9	1037.9	1037.9	1037.9	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
5°	1035.0	1036.5	1036.5	1036.5	1036.5	1037.9	1037.9	1037.9	1037.9	1037.9	1036.5
7.5°	1030.6	1032.1	1032.1	1032.1	1032.1	1033.6	1033.6	1033.6	1033.6	1033.6	1032.1
10°	1024.8	1024.8	1026.3	1027.7	1027.7	1029.2	1029.2	1030.6	1029.2	1029.2	1027.7
12.5°	1016.1	1017.5	1019.0	1019.0	1020.4	1021.9	1021.9	1023.3	1021.9	1021.9	1020.4
15°	1005.8	1007.3	1008.8	1010.2	1011.7	1011.7	1013.1	1013.1	1011.7	1011.7	1010.2
17.5°	992.7	994.2	995.6	997.1	1000.0	1000.0	1001.5	1001.5	1001.5	1000.0	998.5
20°	975.2	978.1	981.0	982.5	983.9	986.9	986.9	986.9	986.9	986.9	985.4
22.5°	957.7	960.6	963.5	965.0	969.3	970.8	970.8	972.3	972.3	970.8	969.3
25°	935.8	940.1	943.1	944.5	948.9	950.4	951.8	951.8	950.4	950.4	947.4
27.5°	913.9	919.7	919.7	922.6	927.0	927.0	931.4	929.9	931.4	928.5	925.5
30°	887.6	893.4	894.9	897.8	900.7	903.6	908.0	908.0	909.5	905.1	902.2
32.5°	861.3	867.1	868.6	871.5	874.4	877.4	881.7	881.7	883.2	880.3	877.4
35°	827.7	837.9	839.4	842.3	846.7	849.6	854.0	854.0	855.5	854.0	848.2
37.5°	795.6	805.8	807.3	811.7	817.5	820.4	823.4	823.4	826.3	821.9	819.0
40°	765.0	772.3	773.7	778.1	785.4	785.4	791.2	791.2	789.8	789.8	785.4
42.5°	728.5	735.8	738.7	743.1	748.9	754.7	757.7	756.2	756.2	759.1	754.7
45°	690.5	699.3	700.7	705.1	710.9	716.8	721.2	719.7	719.7	721.2	715.3
47.5°	651.1	658.4	659.8	665.7	671.5	674.4	681.7	684.7	681.7	683.2	677.4
50°	607.3	617.5	620.4	624.8	632.1	635.0	642.3	645.3	642.3	640.9	636.5
52.5°	569.3	578.1	578.1	583.9	589.8	597.1	601.5	604.4	601.5	600.0	600.0
55°	525.5	534.3	535.8	538.7	546.0	553.3	557.7	562.0	559.1	560.6	557.7
57.5°	481.7	489.0	490.5	494.9	500.7	509.5	512.4	516.8	516.8	515.3	509.5
60°	438.0	445.3	446.7	451.1	455.5	461.3	468.6	473.0	470.1	471.5	464.2
62.5°	394.2	400.0	402.9	404.4	411.7	419.0	421.9	421.9	427.7	426.3	420.4
65°	346.0	351.8	353.3	356.2	362.0	369.3	373.7	373.7	376.6	376.6	370.8
67.5°	302.2	308.0	309.5	310.9	316.8	325.5	327.0	328.5	329.9	329.9	325.5
70°	258.4	264.2	265.7	268.6	271.5	280.3	281.7	283.2	287.6	286.1	281.7
72.5°	217.5	221.9	223.4	224.8	227.7	236.5	238.0	239.4	243.8	243.8	243.8
75°	176.6	181.0	182.5	182.5	186.9	194.2	197.1	198.5	201.5	202.9	202.9
77.5°	138.7	141.6	141.6	143.1	147.4	154.7	157.7	160.6	162.0	163.5	165.0
80°	103.6	106.6	108.0	109.5	112.4	118.2	121.2	125.5	127.0	128.5	129.9
82.5°	73.0	75.9	75.9	78.8	81.8	87.6	90.5	94.9	96.3	99.3	100.7
85°	48.2	52.6	54.0	54.0	58.4	62.8	67.2	70.1	73.0	74.5	77.4
87.5°	30.7	33.6	36.5	38.0	40.9	45.3	48.2	51.1	54.0	56.9	59.9
90°	19.0	21.9	23.4	26.3	29.2	32.1	35.0	39.4	40.9	43.8	46.7
92.5°	13.1	16.1	17.5	17.5	20.4	23.4	26.3	29.2	30.7	32.1	33.6
95°	8.8	11.7	11.7	13.1	14.6	17.5	19.0	20.4	21.9	21.9	21.9
97.5°	5.8	7.3	8.8	8.8	10.2	11.7	13.1	13.1	14.6	14.6	14.6
100°	2.9	4.4	4.4	5.8	5.8	7.3	8.8	8.8	8.8	8.8	8.8
102.5°	1.5	2.9	2.9	2.9	4.4	4.4	4.4	5.8	5.8	5.8	5.8
105°	0.0	1.5	1.5	1.5	1.5	2.9	2.9	2.9	2.9	2.9	2.9
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
5°	1036.5	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0
7.5°	1032.1	1032.1	1032.1	1030.6	1030.6	1030.6	1030.6	1029.2	1029.2	1027.7	1027.7
10°	1027.7	1026.3	1026.3	1024.8	1024.8	1024.8	1023.3	1023.3	1021.9	1020.4	1020.4
12.5°	1019.0	1019.0	1017.5	1017.5	1016.1	1014.6	1013.1	1011.7	1010.2	1010.2	1007.3
15°	1008.8	1007.3	1007.3	1004.4	1004.4	1002.9	1000.0	998.5	997.1	995.6	992.7
17.5°	997.1	994.2	994.2	992.7	991.2	988.3	985.4	983.9	981.0	979.6	978.1
20°	982.5	981.0	981.0	976.6	973.7	970.8	967.9	965.0	963.5	959.1	956.2
22.5°	966.4	963.5	963.5	960.6	956.2	953.3	947.4	944.5	941.6	937.2	934.3
25°	944.5	941.6	941.6	937.2	932.8	929.9	924.1	919.7	915.3	910.9	910.9
27.5°	922.6	919.7	918.2	913.9	909.5	905.1	899.3	893.4	890.5	886.1	883.2
30°	897.8	894.9	894.9	889.0	884.7	878.8	871.5	865.7	859.8	856.9	854.0
32.5°	873.0	871.5	867.1	862.8	856.9	851.1	842.3	836.5	830.7	826.3	823.4
35°	845.2	843.8	839.4	835.0	827.7	820.4	811.7	805.8	800.0	795.6	791.2
37.5°	814.6	813.1	808.8	801.5	797.1	788.3	779.6	772.3	767.9	762.0	756.2
40°	782.5	779.6	775.2	769.3	763.5	754.7	744.5	738.7	732.8	727.0	721.2
42.5°	747.4	746.0	741.6	732.8	727.0	719.7	709.5	702.2	696.3	689.0	686.1
45°	710.9	710.9	706.6	699.3	690.5	681.7	673.0	665.7	658.4	652.5	646.7
47.5°	673.0	673.0	667.1	661.3	652.5	643.8	633.6	626.3	619.0	614.6	608.8
50°	633.6	632.1	629.2	619.0	613.1	604.4	594.2	588.3	581.0	575.2	569.3
52.5°	592.7	591.2	588.3	578.1	572.3	563.5	553.3	547.4	541.6	534.3	529.9
55°	550.4	548.9	543.1	540.1	529.9	522.6	512.4	508.0	499.3	493.4	489.0
57.5°	505.1	505.1	500.7	494.9	486.1	478.8	470.1	464.2	456.9	452.6	448.2
60°	461.3	461.3	458.4	451.1	443.8	436.5	427.7	423.4	416.1	413.1	408.8
62.5°	417.5	417.5	411.7	407.3	400.0	392.7	385.4	375.2	370.8	366.4	363.5
65°	367.9	367.9	362.0	360.6	353.3	346.0	340.1	337.2	331.4	327.0	322.6
67.5°	324.1	324.1	318.2	316.8	310.9	305.1	297.8	296.3	289.0	287.6	283.2
70°	280.3	281.7	277.4	273.0	268.6	264.2	258.4	254.0	249.6	248.2	245.3
72.5°	238.0	236.5	236.5	233.6	229.2	224.8	220.4	217.5	213.1	211.7	208.8
75°	198.5	197.1	195.6	195.6	191.2	186.9	183.9	182.5	178.1	175.2	173.7
77.5°	160.6	162.0	162.0	159.1	156.2	153.3	151.8	148.9	144.5	143.1	141.6
80°	127.0	128.5	128.5	125.5	124.1	121.2	118.2	118.2	113.9	113.9	112.4
82.5°	97.8	97.8	97.8	97.8	94.9	93.4	93.4	89.1	89.1	87.6	86.1
85°	75.9	75.9	75.9	77.4	75.9	74.5	74.5	71.5	70.1	68.6	67.2
87.5°	61.3	61.3	62.8	62.8	62.8	61.3	61.3	59.9	58.4	55.5	54.0
90°	46.7	48.2	48.2	49.6	49.6	49.6	48.2	46.7	45.3	43.8	42.3
92.5°	35.0	35.0	36.5	36.5	36.5	36.5	36.5	35.0	33.6	33.6	32.1
95°	21.9	23.4	23.4	23.4	24.8	24.8	24.8	24.8	23.4	21.9	21.9
97.5°	14.6	13.1	13.1	13.1	13.1	14.6	14.6	14.6	13.1	13.1	13.1
100°	8.8	7.3	7.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.3
102.5°	4.4	4.4	4.4	2.9	2.9	1.5	1.5	1.5	1.5	2.9	4.4
105°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1037.9	1037.9	1037.9	1037.9	1037.9	1039.4	1037.9	1039.4	1037.9	1037.9	1037.9
5°	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1033.6
7.5°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7
10°	1020.4	1020.4	1020.4	1019.0	1020.4	1020.4	1019.0	1020.4	1019.0	1020.4	1020.4
12.5°	1008.8	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1008.8
15°	994.2	994.2	992.7	992.7	991.2	991.2	991.2	991.2	992.7	992.7	994.2
17.5°	976.6	976.6	976.6	973.7	975.2	972.3	973.7	973.7	975.2	975.2	976.6
20°	956.2	954.7	954.7	953.3	951.8	951.8	953.3	953.3	956.2	956.2	957.7
22.5°	934.3	932.8	932.8	929.9	928.5	928.5	929.9	931.4	934.3	932.8	935.8
25°	908.0	906.6	906.6	902.2	905.1	903.6	902.2	905.1	906.6	906.6	909.5
27.5°	880.3	878.8	877.4	875.9	875.9	875.9	874.4	874.4	878.8	878.8	881.7
30°	851.1	849.6	848.2	846.7	845.2	845.2	843.8	845.2	848.2	851.1	852.5
32.5°	820.4	819.0	814.6	814.6	814.6	813.1	813.1	814.6	817.5	819.0	821.9
35°	786.9	785.4	782.5	779.6	781.0	781.0	779.6	782.5	785.4	789.8	789.8
37.5°	753.3	751.8	748.9	748.9	746.0	746.0	744.5	746.0	751.8	753.3	756.2
40°	716.8	716.8	713.9	710.9	710.9	710.9	709.5	710.9	713.9	721.2	721.2
42.5°	681.7	680.3	675.9	674.4	673.0	673.0	673.0	675.9	675.9	684.7	684.7
45°	643.8	642.3	638.0	636.5	636.5	635.0	635.0	638.0	639.4	646.7	646.7
47.5°	604.4	602.9	598.5	598.5	598.5	597.1	595.6	598.5	601.5	607.3	608.8
50°	566.4	563.5	560.6	559.1	557.7	557.7	556.2	560.6	563.5	569.3	567.9
52.5°	525.5	525.5	522.6	519.7	519.7	519.7	518.2	522.6	522.6	528.5	529.9
55°	486.1	483.2	481.7	480.3	478.8	478.8	478.8	481.7	481.7	489.0	489.0
57.5°	443.8	443.8	439.4	439.4	439.4	438.0	438.0	439.4	442.3	448.2	448.2
60°	404.4	404.4	398.5	400.0	398.5	398.5	398.5	400.0	401.5	407.3	407.3
62.5°	360.6	357.7	356.2	354.7	354.7	354.7	356.2	356.2	357.7	363.5	363.5
65°	321.2	318.2	316.8	316.8	315.3	315.3	315.3	316.8	318.2	322.6	322.6
67.5°	281.7	278.8	277.4	277.4	275.9	277.4	277.4	277.4	278.8	283.2	283.2
70°	243.8	242.3	238.0	239.4	238.0	239.4	239.4	238.0	239.4	243.8	243.8
72.5°	207.3	205.8	202.9	202.9	201.5	201.5	200.0	200.0	201.5	205.8	205.8
75°	172.3	169.3	167.9	167.9	166.4	163.5	166.4	165.0	165.0	169.3	169.3
77.5°	141.6	140.1	138.7	135.8	134.3	132.8	132.8	131.4	131.4	134.3	132.8
80°	110.9	108.0	106.6	106.6	105.1	103.6	102.2	100.7	100.7	102.2	102.2
82.5°	84.7	83.2	81.8	81.8	78.8	77.4	77.4	74.5	75.9	74.5	75.9
85°	67.2	64.2	62.8	61.3	59.9	56.9	56.9	54.0	54.0	52.6	52.6
87.5°	52.6	52.6	48.2	46.7	45.3	42.3	39.4	38.0	38.0	35.0	35.0
90°	40.9	40.9	38.0	36.5	33.6	30.7	29.2	26.3	24.8	23.4	21.9
92.5°	30.7	30.7	27.7	26.3	24.8	23.4	21.9	20.4	19.0	16.1	16.1
95°	21.9	20.4	19.0	19.0	17.5	17.5	16.1	14.6	13.1	11.7	11.7
97.5°	13.1	13.1	13.1	13.1	13.1	11.7	10.2	10.2	8.8	7.3	7.3
100°	7.3	7.3	7.3	8.8	7.3	7.3	7.3	5.8	5.8	4.4	4.4
102.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	2.9	2.9
105°	1.5	1.5	1.5	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5
107.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1039.4
5°	1035.0	1035.0	1035.0	1035.0	1036.5	1036.5	1036.5	1036.5	1036.5	1036.5	1036.5
7.5°	1027.7	1027.7	1029.2	1029.2	1030.6	1030.6	1030.6	1032.1	1032.1	1032.1	1032.1
10°	1020.4	1020.4	1021.9	1023.3	1023.3	1024.8	1024.8	1026.3	1026.3	1027.7	1027.7
12.5°	1008.8	1008.8	1011.7	1013.1	1013.1	1014.6	1016.1	1017.5	1017.5	1019.0	1019.0
15°	994.2	995.6	997.1	1000.0	1001.5	1004.4	1004.4	1007.3	1008.8	1008.8	1010.2
17.5°	976.6	979.6	982.5	983.9	986.9	989.8	991.2	994.2	997.1	997.1	998.5
20°	957.7	960.6	965.0	966.4	969.3	973.7	975.2	978.1	981.0	983.9	983.9
22.5°	937.2	940.1	943.1	947.4	950.4	954.7	957.7	962.0	966.4	966.4	969.3
25°	910.9	915.3	919.7	922.6	927.0	932.8	937.2	940.1	946.0	947.4	948.9
27.5°	883.2	887.6	893.4	896.3	902.2	908.0	913.9	919.7	924.1	925.5	928.5
30°	854.0	858.4	864.2	870.1	875.9	883.2	889.0	894.9	902.2	902.2	905.1
32.5°	824.8	830.7	836.5	840.9	846.7	855.5	862.8	868.6	874.4	877.4	880.3
35°	792.7	800.0	805.8	810.2	817.5	826.3	833.6	839.4	846.7	849.6	854.0
37.5°	757.7	763.5	772.3	778.1	788.3	792.7	801.5	807.3	817.5	820.4	823.4
40°	724.1	728.5	737.2	743.1	750.4	760.6	767.9	778.1	785.4	786.9	791.2
42.5°	686.1	694.9	700.7	706.6	713.9	724.1	731.4	741.6	751.8	753.3	757.7
45°	649.6	656.9	662.8	670.1	677.4	687.6	697.8	706.6	713.9	716.8	721.2
47.5°	610.2	619.0	624.8	633.6	642.3	649.6	659.8	668.6	675.9	677.4	683.2
50°	572.3	579.6	583.9	591.2	602.9	610.2	617.5	629.2	635.0	639.4	642.3
52.5°	532.8	537.2	544.5	554.7	562.0	570.8	576.6	586.9	594.2	597.1	602.9
55°	493.4	499.3	502.2	509.5	521.2	525.5	537.2	543.1	553.3	553.3	556.2
57.5°	449.6	456.9	461.3	471.5	478.8	484.7	492.0	500.7	508.0	509.5	513.9
60°	410.2	416.1	420.4	430.7	436.5	442.3	449.6	458.4	464.2	465.7	471.5
62.5°	367.9	370.8	375.2	386.9	389.8	397.1	407.3	413.1	420.4	421.9	424.8
65°	327.0	331.4	332.8	341.6	344.5	350.4	360.6	366.4	370.8	373.7	373.7
67.5°	286.1	289.0	293.4	300.7	302.2	308.0	316.8	322.6	327.0	329.9	329.9
70°	243.8	248.2	252.6	259.9	259.9	267.2	273.0	278.8	284.7	286.1	287.6
72.5°	205.8	210.2	213.1	219.0	220.4	226.3	232.1	238.0	242.3	243.8	246.7
75°	170.8	172.3	173.7	179.6	181.0	189.8	192.7	197.1	201.5	202.9	202.9
77.5°	135.8	137.2	138.7	143.1	146.0	150.4	153.3	157.7	162.0	160.6	166.4
80°	103.6	103.6	105.1	109.5	112.4	115.3	118.2	121.2	124.1	125.5	129.9
82.5°	75.9	74.5	74.5	78.8	80.3	80.3	84.7	87.6	90.5	93.4	92.0
85°	52.6	51.1	51.1	52.6	52.6	55.5	56.9	58.4	61.3	62.8	62.8
87.5°	33.6	32.1	30.7	32.1	30.7	32.1	33.6	35.0	36.5	38.0	39.4
90°	21.9	19.0	17.5	17.5	16.1	16.1	16.1	16.1	17.5	17.5	19.0
92.5°	14.6	13.1	11.7	10.2	8.8	7.3	5.8	5.8	7.3	7.3	7.3
95°	10.2	8.8	7.3	5.8	4.4	4.4	2.9	1.5	1.5	1.5	1.5
97.5°	7.3	5.8	4.4	4.4	2.9	1.5	1.5	0.0	0.0	0.0	0.0
100°	4.4	2.9	2.9	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.9	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1039.4	1039.4	1039.4	1039.4
2.5°	1037.9	1037.9	1039.4	1037.9
5°	1036.5	1036.5	1037.9	1036.5
7.5°	1032.1	1032.1	1032.1	1032.1
10°	1027.7	1027.7	1029.2	1027.7
12.5°	1020.4	1021.9	1021.9	1021.9
15°	1011.7	1011.7	1011.7	1011.7
17.5°	998.5	1000.0	1002.9	1001.5
20°	985.4	986.9	989.8	988.3
22.5°	970.8	972.3	973.7	972.3
25°	951.8	953.3	954.7	954.7
27.5°	931.4	935.8	935.8	934.3
30°	908.0	913.9	915.3	913.9
32.5°	883.2	889.0	890.5	889.0
35°	858.4	861.3	865.7	864.2
37.5°	826.3	832.1	836.5	836.5
40°	795.6	802.9	805.8	805.8
42.5°	765.0	767.9	772.3	772.3
45°	728.5	732.8	737.2	738.7
47.5°	689.0	694.9	697.8	699.3
50°	649.6	655.5	658.4	659.8
52.5°	610.2	613.1	617.5	619.0
55°	565.0	569.3	573.7	575.2
57.5°	519.7	525.5	528.5	529.9
60°	474.4	481.7	484.7	484.7
62.5°	430.7	435.0	438.0	436.5
65°	385.4	389.8	391.2	391.2
67.5°	335.8	341.6	343.1	343.1
70°	292.0	296.3	299.3	297.8
72.5°	249.6	254.0	255.5	255.5
75°	208.8	211.7	213.1	214.6
77.5°	167.9	172.3	173.7	176.6
80°	129.9	134.3	137.2	140.1
82.5°	96.3	99.3	103.6	105.1
85°	65.7	70.1	73.0	74.5
87.5°	40.9	43.8	46.7	49.6
90°	20.4	23.4	26.3	29.2
92.5°	8.8	10.2	11.7	14.6
95°	2.9	2.9	4.4	4.4
97.5°	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0

TEST NUMBER: P571912

CATALOG NUMBER: 22ID-30-L830-SWD

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.15	16.77	15.52	17.10	17.42	14.02	15.65	14.40	15.97	16.30
	3H	16.88	18.35	17.26	18.68	19.05	15.62	17.08	16.00	17.42	17.79
	4H	17.52	18.91	17.93	19.26	19.65	16.20	17.59	16.61	17.95	18.33
	6H	18.01	19.29	18.43	19.67	20.07	16.64	17.92	17.06	18.30	18.70
	8H	18.17	19.40	18.61	19.80	20.21	16.78	18.01	17.21	18.40	18.82
	12H	18.30	19.47	18.73	19.87	20.31	16.88	18.06	17.32	18.45	18.89
4H	2H	15.60	16.98	16.00	17.34	17.73	14.65	16.04	15.06	16.40	16.78
	3H	17.54	18.71	17.96	19.11	19.53	16.45	17.61	16.87	18.02	18.43
	4H	18.32	19.37	18.76	19.80	20.24	17.15	18.21	17.59	18.63	19.08
	6H	18.94	19.87	19.40	20.32	20.78	17.70	18.63	18.16	19.08	19.54
	8H	19.16	20.03	19.63	20.48	20.96	17.88	18.75	18.35	19.20	19.68
	12H	19.34	20.12	19.83	20.60	21.08	18.03	18.81	18.52	19.29	19.77
8H	4H	18.53	19.40	19.00	19.85	20.33	17.46	18.33	17.93	18.78	19.26
	6H	19.27	19.99	19.77	20.49	20.97	18.12	18.84	18.62	19.34	19.82
	8H	19.56	20.21	20.08	20.73	21.22	18.37	19.02	18.88	19.53	20.03
	12H	19.82	20.40	20.34	20.90	21.47	18.59	19.16	19.10	19.66	20.23
12H	4H	18.55	19.33	19.04	19.81	20.29	17.50	18.28	17.99	18.76	19.24
	6H	19.30	19.95	19.82	20.46	20.96	18.18	18.83	18.69	19.34	19.84
	8H	19.65	20.23	20.16	20.72	21.30	18.49	19.06	19.00	19.56	20.13