

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: P571916

Luminaire Tested: 22ID-30-L835-SWD

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571916
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-L835-SWD
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN DROPPED SWEEP LENS AND 3500K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2974.0 lumens
Efficiency: N/A
Efficacy: 122.9 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

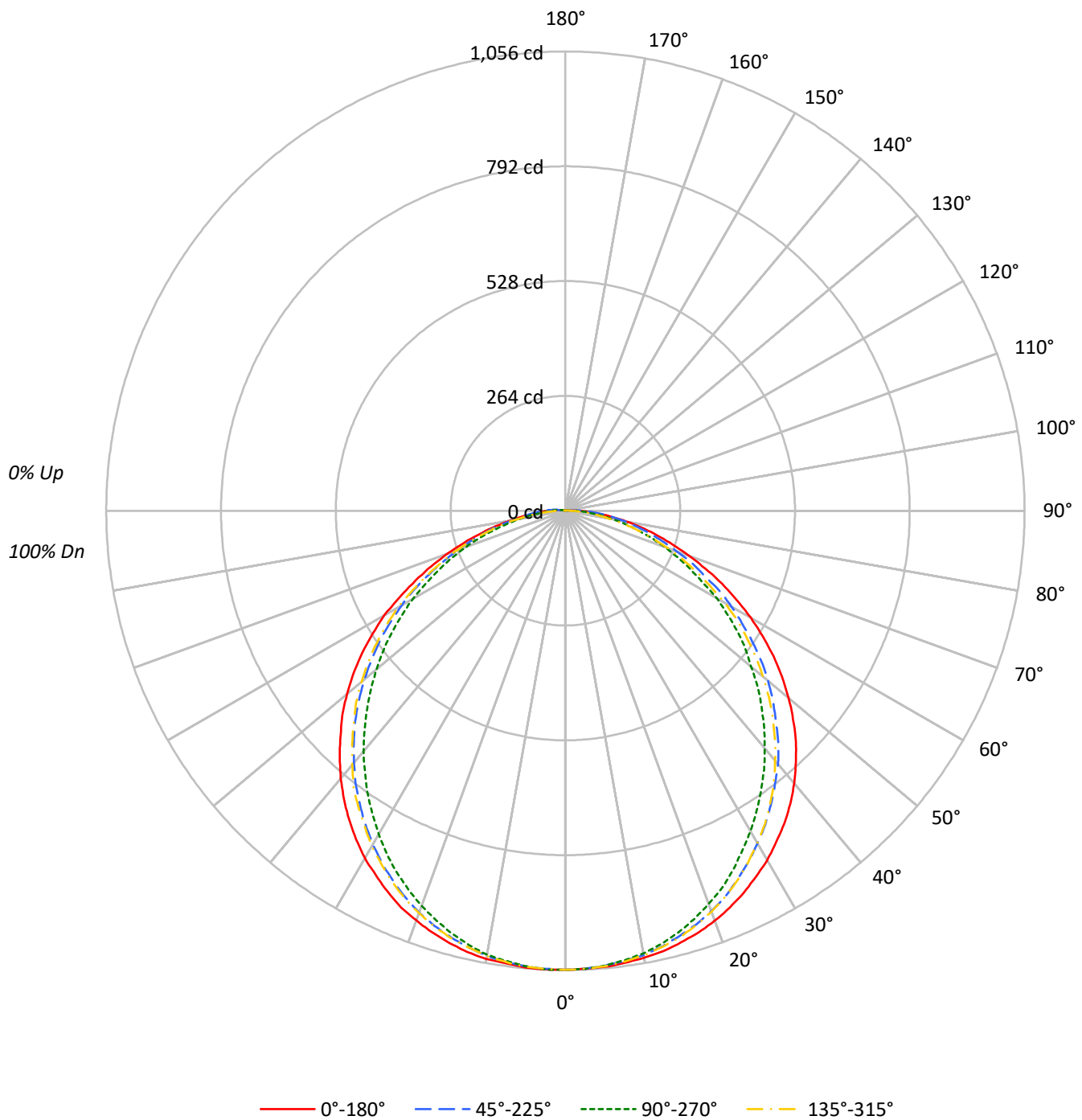
Input Watts (W): 24.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2841	2841	2841	2841
5°	2823	2815	2827	2819
10°	2811	2783	2819	2791
15°	2800	2735	2804	2744
20°	2790	2675	2786	2687
25°	2771	2606	2763	2623
30°	2752	2523	2734	2545
35°	2725	2435	2692	2462
40°	2687	2342	2639	2371
45°	2636	2240	2568	2266
50°	2552	2123	2496	2157
55°	2449	2020	2394	2039
60°	2315	1890	2259	1904
65°	2147	1706	2051	1730
70°	1937	1547	1842	1557
75°	1729	1364	1600	1317
80°	1497	1139	1342	1108
85°	1195	914	1126	914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2636 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	3.4
10°-20°	286.7	9.6
20°-30°	433.2	14.6
30°-40°	518.1	17.4
40°-50°	530.0	17.8
50°-60°	469.1	15.8
60°-70°	347.5	11.7
70°-80°	200.3	6.7
80°-90°	74.4	2.5
90°-100°	13.6	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°	819.8	27.6
0°-40°	1337.9	45.0
0°-60°	2337.0	78.6
0°-90°	2959.3	99.5
90°-120°	14.7	0.5
90°-150°	14.7	0.5
90°-180°	15.0	0.5
0°-180°	2974.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1056	1056	1056	1056	1056	
5°	1053	1050	1054	1051	1053	100
15°	1028	1004	1029	1007	1028	290
25°	970	912	967	918	970	447
35°	878	784	867	793	878	549
45°	750	638	731	645	750	577
55°	584	482	571	486	584	522
65°	397	316	380	320	397	393
75°	218	172	202	166	218	232
85°	76	58	71	58	76	76
90°	30	21	40	31	30	17
95°	4	3	21	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°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1054.3	1055.7	1054.3	1054.3	1054.3	1054.3	1052.8	1052.8	1054.3	1054.3	1054.3
5°	1052.8	1052.8	1051.3	1051.3	1051.3	1051.3	1049.8	1049.8	1051.3	1051.3	1049.8
7.5°	1048.3	1048.3	1048.3	1046.8	1045.4	1046.8	1045.4	1045.4	1045.4	1045.4	1043.9
10°	1043.9	1043.9	1043.9	1043.9	1040.9	1040.9	1039.4	1039.4	1037.9	1037.9	1037.9
12.5°	1037.9	1037.9	1036.5	1035.0	1033.5	1033.5	1032.0	1030.5	1029.0	1027.6	1026.1
15°	1027.6	1027.6	1027.6	1024.6	1023.1	1021.6	1021.6	1020.2	1017.2	1015.7	1012.7
17.5°	1017.2	1017.2	1015.7	1012.7	1011.3	1009.8	1008.3	1006.8	1003.8	1000.9	997.9
20°	1003.8	1003.8	1002.4	999.4	996.4	994.9	994.9	992.0	986.0	983.1	980.1
22.5°	987.5	989.0	987.5	984.6	981.6	978.6	978.6	972.7	968.3	965.3	960.8
25°	969.7	969.7	968.3	965.3	960.8	957.9	957.9	950.5	947.5	943.0	935.6
27.5°	949.0	949.0	947.5	944.5	941.6	937.1	935.6	928.2	923.8	919.3	910.4
30°	928.2	926.7	926.7	920.8	917.8	913.4	911.9	903.0	898.6	892.6	883.7
32.5°	903.0	903.0	903.0	895.6	892.6	888.2	886.7	877.8	871.9	864.5	855.6
35°	877.8	876.3	873.4	868.9	864.5	860.0	858.5	849.6	843.7	834.8	824.4
37.5°	849.6	846.7	845.2	840.7	836.3	828.9	828.9	820.0	812.6	803.7	791.8
40°	818.5	815.5	814.0	808.1	803.7	797.7	796.3	787.4	777.0	769.6	760.7
42.5°	784.4	781.4	778.5	777.0	769.6	763.6	762.1	751.8	741.4	734.0	725.1
45°	750.3	745.8	742.9	739.9	732.5	726.6	725.1	713.2	704.3	696.9	683.6
47.5°	710.3	707.3	702.8	696.9	693.9	686.5	686.5	674.7	665.8	656.9	648.0
50°	670.2	665.8	662.8	656.9	652.4	646.5	642.0	634.6	625.7	616.8	607.9
52.5°	628.7	624.2	622.8	618.3	610.9	605.0	600.5	594.6	584.2	575.3	567.9
55°	584.2	582.7	576.8	575.3	567.9	562.0	559.0	550.1	541.2	533.8	524.9
57.5°	538.2	533.8	533.8	529.4	523.4	516.0	516.0	505.6	498.2	490.8	481.9
60°	492.3	489.3	489.3	481.9	478.9	473.0	473.0	461.1	455.2	447.8	441.9
62.5°	443.4	446.3	438.9	438.9	433.0	428.5	427.0	419.6	412.2	406.3	400.3
65°	397.4	398.9	394.4	392.9	384.0	379.6	378.1	372.2	366.2	360.3	351.4
67.5°	348.5	349.9	348.5	345.5	341.0	336.6	335.1	329.2	324.7	318.8	315.8
70°	302.5	302.5	304.0	302.5	298.0	295.1	295.1	287.7	283.2	278.8	271.3
72.5°	259.5	262.5	261.0	261.0	256.5	253.6	253.6	247.6	244.7	240.2	234.3
75°	218.0	219.5	220.9	219.5	216.5	215.0	213.5	210.6	207.6	204.6	198.7
77.5°	179.4	180.9	180.9	180.9	179.4	179.4	176.5	173.5	172.0	170.5	166.1
80°	142.3	143.8	145.3	145.3	143.8	142.3	142.3	140.9	140.9	139.4	137.9
82.5°	106.8	109.7	111.2	112.7	112.7	114.2	112.7	111.2	111.2	109.7	108.2
85°	75.6	78.6	81.6	83.0	84.5	84.5	84.5	84.5	84.5	84.5	81.6
87.5°	50.4	53.4	56.3	57.8	59.3	59.3	59.3	59.3	59.3	59.3	57.8
90°	29.7	32.6	34.1	35.6	37.1	35.6	37.1	37.1	38.6	38.6	37.1
92.5°	14.8	16.3	16.3	17.8	17.8	17.8	17.8	17.8	17.8	19.3	17.8
95°	4.4	4.4	5.9	5.9	5.9	5.9	4.4	4.4	3.0	3.0	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°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1054.3	1054.3	1054.3	1054.3
5°	1049.8	1049.8	1048.3	1049.8	1049.8	1048.3	1049.8	1049.8	1049.8	1049.8	1051.3
7.5°	1043.9	1043.9	1042.4	1042.4	1042.4	1042.4	1042.4	1040.9	1042.4	1042.4	1042.4
10°	1035.0	1035.0	1033.5	1033.5	1033.5	1033.5	1032.0	1032.0	1033.5	1033.5	1033.5
12.5°	1024.6	1023.1	1021.6	1021.6	1020.2	1020.2	1020.2	1020.2	1020.2	1020.2	1020.2
15°	1011.3	1009.8	1008.3	1006.8	1006.8	1006.8	1003.8	1005.3	1003.8	1003.8	1005.3
17.5°	996.4	993.5	990.5	989.0	989.0	989.0	986.0	986.0	984.6	984.6	986.0
20°	975.7	974.2	969.7	968.3	968.3	966.8	963.8	963.8	963.8	962.3	965.3
22.5°	956.4	953.4	947.5	946.0	946.0	944.5	940.1	940.1	940.1	940.1	940.1
25°	931.2	928.2	923.8	919.3	919.3	917.8	913.4	913.4	911.9	911.9	913.4
27.5°	904.5	901.5	895.6	891.1	891.1	889.7	885.2	885.2	882.3	880.8	883.7
30°	876.3	873.4	867.4	863.0	861.5	860.0	855.6	855.6	851.1	851.1	854.1
32.5°	851.1	843.7	836.3	831.8	830.4	828.9	824.4	822.9	820.0	818.5	820.0
35°	820.0	809.6	805.1	799.2	797.7	796.3	791.8	787.4	785.9	784.4	785.9
37.5°	787.4	777.0	771.0	765.1	763.6	760.7	754.7	751.8	750.3	750.3	751.8
40°	748.8	742.9	735.5	728.0	726.6	725.1	719.1	717.7	714.7	713.2	716.2
42.5°	713.2	705.8	698.4	691.0	691.0	689.5	683.6	680.6	677.6	676.1	677.6
45°	674.7	667.2	659.8	653.9	652.4	648.0	645.0	642.0	639.1	637.6	639.1
47.5°	634.6	627.2	621.3	613.9	612.4	610.9	606.5	603.5	599.0	600.5	600.5
50°	596.1	588.7	581.2	575.3	572.4	567.9	567.9	564.9	559.0	557.5	560.5
52.5°	556.0	548.6	541.2	535.3	533.8	529.4	524.9	523.4	520.5	521.9	520.5
55°	516.0	507.1	499.7	495.2	492.3	489.3	486.4	483.4	478.9	481.9	481.9
57.5°	471.5	464.1	459.7	453.7	452.2	450.8	444.8	443.4	438.9	440.4	438.9
60°	431.5	424.1	419.6	413.7	412.2	407.8	404.8	403.3	398.9	401.8	398.9
62.5°	392.9	381.1	375.1	369.2	369.2	366.2	363.3	360.3	355.9	354.4	354.4
65°	348.5	341.0	336.6	330.7	330.7	327.7	324.7	321.8	317.3	315.8	318.8
67.5°	308.4	304.0	296.6	292.1	292.1	289.1	286.2	284.7	280.2	278.8	280.2
70°	271.3	266.9	259.5	255.0	255.0	253.6	249.1	247.6	243.2	241.7	240.2
72.5°	234.3	226.9	223.9	219.5	219.5	218.0	213.5	212.0	207.6	206.1	204.6
75°	197.2	194.2	188.3	185.3	186.8	182.4	180.9	177.9	173.5	172.0	172.0
77.5°	163.1	161.6	155.7	152.7	152.7	149.8	148.3	145.3	143.8	140.9	139.4
80°	133.4	132.0	126.0	123.1	123.1	120.1	117.1	115.7	111.2	108.2	108.2
82.5°	106.8	103.8	99.3	96.4	94.9	93.4	90.4	87.5	83.0	81.6	78.6
85°	80.1	78.6	74.1	72.7	69.7	69.7	66.7	63.8	59.3	57.8	56.3
87.5°	56.3	56.3	51.9	50.4	48.9	47.4	44.5	43.0	38.6	37.1	34.1
90°	35.6	35.6	32.6	31.1	29.7	28.2	26.7	25.2	22.2	20.8	17.8
92.5°	16.3	16.3	14.8	13.3	13.3	13.3	11.9	11.9	10.4	8.9	7.4
95°	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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: P571916

CATALOG NUMBER: 22ID-30-L835-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: P571916

CATALOG NUMBER: 22ID-30-L835-SWD

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1054.3	1054.3	1052.8	1054.3	1052.8	1052.8	1054.3	1054.3	1054.3	1054.3	1054.3
5°	1051.3	1049.8	1049.8	1049.8	1048.3	1049.8	1051.3	1051.3	1051.3	1051.3	1051.3
7.5°	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1043.9	1043.9	1045.4	1045.4	1046.8
10°	1033.5	1033.5	1033.5	1033.5	1033.5	1035.0	1035.0	1037.9	1037.9	1039.4	1040.9
12.5°	1020.2	1020.2	1020.2	1021.6	1021.6	1023.1	1024.6	1026.1	1027.6	1030.5	1030.5
15°	1005.3	1005.3	1005.3	1006.8	1006.8	1008.3	1011.3	1012.7	1015.7	1018.7	1018.7
17.5°	987.5	987.5	986.0	989.0	989.0	990.5	994.9	996.4	999.4	1002.4	1003.8
20°	965.3	965.3	965.3	968.3	968.3	971.2	974.2	977.2	981.6	986.0	987.5
22.5°	941.6	941.6	944.5	946.0	946.0	950.5	953.4	957.9	960.8	965.3	968.3
25°	913.4	916.4	916.4	919.3	922.3	923.8	929.7	932.7	937.1	943.0	946.0
27.5°	886.7	888.2	891.1	891.1	894.1	895.6	903.0	904.5	910.4	917.8	920.8
30°	852.6	857.0	857.0	861.5	864.5	867.4	873.4	876.3	882.3	889.7	895.6
32.5°	821.5	825.9	828.9	828.9	833.3	836.3	843.7	846.7	854.1	860.0	867.4
35°	788.8	791.8	794.8	796.3	799.2	803.7	811.1	814.0	821.5	828.9	836.3
37.5°	751.8	757.7	760.7	760.7	763.6	766.6	775.5	779.9	787.4	794.8	802.2
40°	717.7	720.6	723.6	725.1	729.5	731.0	739.9	744.4	750.3	760.7	766.6
42.5°	679.1	682.1	686.5	686.5	688.0	696.9	701.4	705.8	713.2	723.6	732.5
45°	640.6	643.5	648.0	649.5	649.5	656.9	662.8	667.2	674.7	685.0	693.9
47.5°	600.5	603.5	607.9	607.9	609.4	616.8	622.8	627.2	634.6	645.0	652.4
50°	562.0	564.9	567.9	567.9	569.4	572.4	581.2	585.7	593.1	603.5	610.9
52.5°	521.9	523.4	527.9	527.9	527.9	533.8	539.7	544.2	551.6	562.0	566.4
55°	480.4	481.9	486.4	487.8	487.8	493.8	498.2	502.7	508.6	516.0	526.4
57.5°	437.4	441.9	444.8	444.8	447.8	450.8	456.7	458.2	468.6	473.0	480.4
60°	398.9	401.8	404.8	404.8	403.3	409.2	413.7	416.7	421.1	431.5	437.4
62.5°	355.9	357.3	360.3	360.3	361.8	364.8	367.7	373.7	375.1	381.1	392.9
65°	317.3	317.3	318.8	320.3	320.3	323.2	326.2	330.7	332.1	336.6	345.5
67.5°	277.3	278.8	280.2	280.2	280.2	281.7	284.7	289.1	290.6	293.6	301.0
70°	238.7	240.2	241.7	241.7	241.7	241.7	244.7	249.1	249.1	252.1	256.5
72.5°	203.1	203.1	204.6	204.6	204.6	204.6	204.6	209.1	207.6	212.0	215.0
75°	169.0	167.6	167.6	169.0	167.6	167.6	167.6	170.5	170.5	170.5	175.0
77.5°	134.9	134.9	133.4	132.0	132.0	132.0	132.0	133.4	134.9	136.4	136.4
80°	103.8	102.3	102.3	100.8	99.3	99.3	97.9	100.8	97.9	102.3	102.3
82.5°	75.6	74.1	72.7	71.2	71.2	69.7	68.2	69.7	69.7	69.7	72.7
85°	51.9	48.9	48.9	46.0	46.0	44.5	44.5	46.0	44.5	46.0	47.4
87.5°	31.1	29.7	28.2	25.2	25.2	25.2	23.7	25.2	25.2	26.7	28.2
90°	14.8	13.3	11.9	11.9	10.4	10.4	10.4	11.9	11.9	13.3	16.3
92.5°	5.9	4.4	4.4	3.0	3.0	3.0	4.4	5.9	7.4	8.9	10.4
95°	1.5	1.5	1.5	1.5	0.0	1.5	1.5	3.0	4.4	5.9	7.4
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.0	3.0	4.4
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.0
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: P571916

CATALOG NUMBER: 22ID-30-L835-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: P571916

CATALOG NUMBER: 22ID-30-L835-SWD

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1054.3	1054.3	1054.3	1054.3	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
5°	1051.3	1052.8	1052.8	1052.8	1052.8	1054.3	1054.3	1054.3	1054.3	1054.3	1052.8
7.5°	1046.8	1048.3	1048.3	1048.3	1048.3	1049.8	1049.8	1049.8	1049.8	1049.8	1048.3
10°	1040.9	1040.9	1042.4	1043.9	1043.9	1045.4	1045.4	1046.8	1045.4	1045.4	1043.9
12.5°	1032.0	1033.5	1035.0	1035.0	1036.5	1037.9	1037.9	1039.4	1037.9	1037.9	1036.5
15°	1021.6	1023.1	1024.6	1026.1	1027.6	1027.6	1029.0	1029.0	1027.6	1027.6	1026.1
17.5°	1008.3	1009.8	1011.3	1012.7	1015.7	1015.7	1017.2	1017.2	1017.2	1015.7	1014.2
20°	990.5	993.5	996.4	997.9	999.4	1002.4	1002.4	1002.4	1002.4	1002.4	1000.9
22.5°	972.7	975.7	978.6	980.1	984.6	986.0	986.0	987.5	987.5	986.0	984.6
25°	950.5	954.9	957.9	959.4	963.8	965.3	966.8	966.8	965.3	965.3	962.3
27.5°	928.2	934.1	934.1	937.1	941.6	941.6	946.0	944.5	946.0	943.0	940.1
30°	901.5	907.5	908.9	911.9	914.9	917.8	922.3	922.3	923.8	919.3	916.4
32.5°	874.8	880.8	882.3	885.2	888.2	891.1	895.6	895.6	897.1	894.1	891.1
35°	840.7	851.1	852.6	855.6	860.0	863.0	867.4	867.4	868.9	867.4	861.5
37.5°	808.1	818.5	820.0	824.4	830.4	833.3	836.3	836.3	839.3	834.8	831.8
40°	777.0	784.4	785.9	790.3	797.7	797.7	803.7	803.7	802.2	802.2	797.7
42.5°	739.9	747.3	750.3	754.7	760.7	766.6	769.6	768.1	768.1	771.0	766.6
45°	701.4	710.3	711.7	716.2	722.1	728.0	732.5	731.0	731.0	732.5	726.6
47.5°	661.3	668.7	670.2	676.1	682.1	685.0	692.5	695.4	692.5	693.9	688.0
50°	616.8	627.2	630.2	634.6	642.0	645.0	652.4	655.4	652.4	650.9	646.5
52.5°	578.3	587.2	587.2	593.1	599.0	606.5	610.9	613.9	610.9	609.4	609.4
55°	533.8	542.7	544.2	547.1	554.6	562.0	566.4	570.9	567.9	569.4	566.4
57.5°	489.3	496.7	498.2	502.7	508.6	517.5	520.5	524.9	524.9	523.4	517.5
60°	444.8	452.2	453.7	458.2	462.6	468.6	476.0	480.4	477.5	478.9	471.5
62.5°	400.3	406.3	409.2	410.7	418.1	425.6	428.5	428.5	434.5	433.0	427.0
65°	351.4	357.3	358.8	361.8	367.7	375.1	379.6	379.6	382.6	382.6	376.6
67.5°	306.9	312.9	314.3	315.8	321.8	330.7	332.1	333.6	335.1	335.1	330.7
70°	262.5	268.4	269.9	272.8	275.8	284.7	286.2	287.7	292.1	290.6	286.2
72.5°	220.9	225.4	226.9	228.3	231.3	240.2	241.7	243.2	247.6	247.6	247.6
75°	179.4	183.9	185.3	185.3	189.8	197.2	200.2	201.7	204.6	206.1	206.1
77.5°	140.9	143.8	143.8	145.3	149.8	157.2	160.1	163.1	164.6	166.1	167.6
80°	105.3	108.2	109.7	111.2	114.2	120.1	123.1	127.5	129.0	130.5	132.0
82.5°	74.1	77.1	77.1	80.1	83.0	89.0	91.9	96.4	97.9	100.8	102.3
85°	48.9	53.4	54.9	54.9	59.3	63.8	68.2	71.2	74.1	75.6	78.6
87.5°	31.1	34.1	37.1	38.6	41.5	46.0	48.9	51.9	54.9	57.8	60.8
90°	19.3	22.2	23.7	26.7	29.7	32.6	35.6	40.0	41.5	44.5	47.4
92.5°	13.3	16.3	17.8	17.8	20.8	23.7	26.7	29.7	31.1	32.6	34.1
95°	8.9	11.9	11.9	13.3	14.8	17.8	19.3	20.8	22.2	22.2	22.2
97.5°	5.9	7.4	8.9	8.9	10.4	11.9	13.3	13.3	14.8	14.8	14.8
100°	3.0	4.4	4.4	5.9	5.9	7.4	8.9	8.9	8.9	8.9	8.9
102.5°	1.5	3.0	3.0	3.0	4.4	4.4	4.4	5.9	5.9	5.9	5.9
105°	0.0	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0
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: P571916

CATALOG NUMBER: 22ID-30-L835-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: P571916

CATALOG NUMBER: 22ID-30-L835-SWD

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3
5°	1052.8	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3
7.5°	1048.3	1048.3	1048.3	1046.8	1046.8	1046.8	1046.8	1045.4	1045.4	1043.9	1043.9
10°	1043.9	1042.4	1042.4	1040.9	1040.9	1040.9	1039.4	1039.4	1037.9	1036.5	1036.5
12.5°	1035.0	1035.0	1033.5	1033.5	1032.0	1030.5	1029.0	1027.6	1026.1	1026.1	1023.1
15°	1024.6	1023.1	1023.1	1020.2	1020.2	1018.7	1015.7	1014.2	1012.7	1011.3	1008.3
17.5°	1012.7	1009.8	1009.8	1008.3	1006.8	1003.8	1000.9	999.4	996.4	994.9	993.5
20°	997.9	996.4	996.4	992.0	989.0	986.0	983.1	980.1	978.6	974.2	971.2
22.5°	981.6	978.6	978.6	975.7	971.2	968.3	962.3	959.4	956.4	951.9	949.0
25°	959.4	956.4	956.4	951.9	947.5	944.5	938.6	934.1	929.7	925.3	925.3
27.5°	937.1	934.1	932.7	928.2	923.8	919.3	913.4	907.5	904.5	900.0	897.1
30°	911.9	908.9	908.9	903.0	898.6	892.6	885.2	879.3	873.4	870.4	867.4
32.5°	886.7	885.2	880.8	876.3	870.4	864.5	855.6	849.6	843.7	839.3	836.3
35°	858.5	857.0	852.6	848.1	840.7	833.3	824.4	818.5	812.6	808.1	803.7
37.5°	827.4	825.9	821.5	814.0	809.6	800.7	791.8	784.4	779.9	774.0	768.1
40°	794.8	791.8	787.4	781.4	775.5	766.6	756.2	750.3	744.4	738.4	732.5
42.5°	759.2	757.7	753.3	744.4	738.4	731.0	720.6	713.2	707.3	699.9	696.9
45°	722.1	722.1	717.7	710.3	701.4	692.5	683.6	676.1	668.7	662.8	656.9
47.5°	683.6	683.6	677.6	671.7	662.8	653.9	643.5	636.1	628.7	624.2	618.3
50°	643.5	642.0	639.1	628.7	622.8	613.9	603.5	597.6	590.1	584.2	578.3
52.5°	602.0	600.5	597.6	587.2	581.2	572.4	562.0	556.0	550.1	542.7	538.2
55°	559.0	557.5	551.6	548.6	538.2	530.8	520.5	516.0	507.1	501.2	496.7
57.5°	513.0	513.0	508.6	502.7	493.8	486.4	477.5	471.5	464.1	459.7	455.2
60°	468.6	468.6	465.6	458.2	450.8	443.4	434.5	430.0	422.6	419.6	415.2
62.5°	424.1	424.1	418.1	413.7	406.3	398.9	391.5	381.1	376.6	372.2	369.2
65°	373.7	373.7	367.7	366.2	358.8	351.4	345.5	342.5	336.6	332.1	327.7
67.5°	329.2	329.2	323.2	321.8	315.8	309.9	302.5	301.0	293.6	292.1	287.7
70°	284.7	286.2	281.7	277.3	272.8	268.4	262.5	258.0	253.6	252.1	249.1
72.5°	241.7	240.2	240.2	237.2	232.8	228.3	223.9	220.9	216.5	215.0	212.0
75°	201.7	200.2	198.7	198.7	194.2	189.8	186.8	185.3	180.9	177.9	176.5
77.5°	163.1	164.6	164.6	161.6	158.7	155.7	154.2	151.2	146.8	145.3	143.8
80°	129.0	130.5	130.5	127.5	126.0	123.1	120.1	120.1	115.7	115.7	114.2
82.5°	99.3	99.3	99.3	99.3	96.4	94.9	94.9	90.4	90.4	89.0	87.5
85°	77.1	77.1	77.1	78.6	77.1	75.6	75.6	72.7	71.2	69.7	68.2
87.5°	62.3	62.3	63.8	63.8	63.8	62.3	62.3	60.8	59.3	56.3	54.9
90°	47.4	48.9	48.9	50.4	50.4	50.4	48.9	47.4	46.0	44.5	43.0
92.5°	35.6	35.6	37.1	37.1	37.1	37.1	37.1	35.6	34.1	34.1	32.6
95°	22.2	23.7	23.7	23.7	25.2	25.2	25.2	25.2	23.7	22.2	22.2
97.5°	14.8	13.3	13.3	13.3	13.3	14.8	14.8	14.8	13.3	13.3	13.3
100°	8.9	7.4	7.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.4
102.5°	4.4	4.4	4.4	3.0	3.0	1.5	1.5	1.5	1.5	3.0	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: P571916

CATALOG NUMBER: 22ID-30-L835-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: P571916

CATALOG NUMBER: 22ID-30-L835-SWD

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1054.3	1054.3	1054.3	1054.3	1054.3	1055.7	1054.3	1055.7	1054.3	1054.3	1054.3
5°	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1051.3	1049.8
7.5°	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9
10°	1036.5	1036.5	1036.5	1035.0	1036.5	1036.5	1035.0	1036.5	1035.0	1036.5	1036.5
12.5°	1024.6	1023.1	1023.1	1023.1	1023.1	1023.1	1023.1	1023.1	1023.1	1023.1	1024.6
15°	1009.8	1009.8	1008.3	1008.3	1006.8	1006.8	1006.8	1006.8	1008.3	1008.3	1009.8
17.5°	992.0	992.0	992.0	989.0	990.5	987.5	989.0	989.0	990.5	990.5	992.0
20°	971.2	969.7	969.7	968.3	966.8	966.8	968.3	968.3	971.2	971.2	972.7
22.5°	949.0	947.5	947.5	944.5	943.0	943.0	944.5	946.0	949.0	947.5	950.5
25°	922.3	920.8	920.8	916.4	919.3	917.8	916.4	919.3	920.8	920.8	923.8
27.5°	894.1	892.6	891.1	889.7	889.7	889.7	888.2	888.2	892.6	892.6	895.6
30°	864.5	863.0	861.5	860.0	858.5	858.5	857.0	858.5	861.5	864.5	865.9
32.5°	833.3	831.8	827.4	827.4	827.4	825.9	825.9	827.4	830.4	831.8	834.8
35°	799.2	797.7	794.8	791.8	793.3	793.3	791.8	794.8	797.7	802.2	802.2
37.5°	765.1	763.6	760.7	760.7	757.7	757.7	756.2	757.7	763.6	765.1	768.1
40°	728.0	728.0	725.1	722.1	722.1	722.1	720.6	722.1	725.1	732.5	732.5
42.5°	692.5	691.0	686.5	685.0	683.6	683.6	683.6	686.5	686.5	695.4	695.4
45°	653.9	652.4	648.0	646.5	646.5	645.0	645.0	648.0	649.5	656.9	656.9
47.5°	613.9	612.4	607.9	607.9	607.9	606.5	605.0	607.9	610.9	616.8	618.3
50°	575.3	572.4	569.4	567.9	566.4	566.4	564.9	569.4	572.4	578.3	576.8
52.5°	533.8	533.8	530.8	527.9	527.9	527.9	526.4	530.8	530.8	536.8	538.2
55°	493.8	490.8	489.3	487.8	486.4	486.4	486.4	489.3	489.3	496.7	496.7
57.5°	450.8	450.8	446.3	446.3	446.3	444.8	444.8	446.3	449.3	455.2	455.2
60°	410.7	410.7	404.8	406.3	404.8	404.8	404.8	406.3	407.8	413.7	413.7
62.5°	366.2	363.3	361.8	360.3	360.3	360.3	361.8	361.8	363.3	369.2	369.2
65°	326.2	323.2	321.8	321.8	320.3	320.3	320.3	321.8	323.2	327.7	327.7
67.5°	286.2	283.2	281.7	281.7	280.2	281.7	281.7	281.7	283.2	287.7	287.7
70°	247.6	246.1	241.7	243.2	241.7	243.2	243.2	241.7	243.2	247.6	247.6
72.5°	210.6	209.1	206.1	206.1	204.6	204.6	203.1	203.1	204.6	209.1	209.1
75°	175.0	172.0	170.5	170.5	169.0	166.1	169.0	167.6	167.6	172.0	172.0
77.5°	143.8	142.3	140.9	137.9	136.4	134.9	134.9	133.4	133.4	136.4	134.9
80°	112.7	109.7	108.2	108.2	106.8	105.3	103.8	102.3	102.3	103.8	103.8
82.5°	86.0	84.5	83.0	83.0	80.1	78.6	78.6	75.6	77.1	75.6	77.1
85°	68.2	65.2	63.8	62.3	60.8	57.8	57.8	54.9	54.9	53.4	53.4
87.5°	53.4	53.4	48.9	47.4	46.0	43.0	40.0	38.6	38.6	35.6	35.6
90°	41.5	41.5	38.6	37.1	34.1	31.1	29.7	26.7	25.2	23.7	22.2
92.5°	31.1	31.1	28.2	26.7	25.2	23.7	22.2	20.8	19.3	16.3	16.3
95°	22.2	20.8	19.3	19.3	17.8	17.8	16.3	14.8	13.3	11.9	11.9
97.5°	13.3	13.3	13.3	13.3	13.3	11.9	10.4	10.4	8.9	7.4	7.4
100°	7.4	7.4	7.4	8.9	7.4	7.4	7.4	5.9	5.9	4.4	4.4
102.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.0	3.0
105°	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	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: P571916

CATALOG NUMBER: 22ID-30-L835-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: P571916

CATALOG NUMBER: 22ID-30-L835-SWD

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1054.3	1055.7
5°	1051.3	1051.3	1051.3	1051.3	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8
7.5°	1043.9	1043.9	1045.4	1045.4	1046.8	1046.8	1046.8	1048.3	1048.3	1048.3	1048.3
10°	1036.5	1036.5	1037.9	1039.4	1039.4	1040.9	1040.9	1042.4	1042.4	1043.9	1043.9
12.5°	1024.6	1024.6	1027.6	1029.0	1029.0	1030.5	1032.0	1033.5	1033.5	1035.0	1035.0
15°	1009.8	1011.3	1012.7	1015.7	1017.2	1020.2	1020.2	1023.1	1024.6	1024.6	1026.1
17.5°	992.0	994.9	997.9	999.4	1002.4	1005.3	1006.8	1009.8	1012.7	1012.7	1014.2
20°	972.7	975.7	980.1	981.6	984.6	989.0	990.5	993.5	996.4	999.4	999.4
22.5°	951.9	954.9	957.9	962.3	965.3	969.7	972.7	977.2	981.6	981.6	984.6
25°	925.3	929.7	934.1	937.1	941.6	947.5	951.9	954.9	960.8	962.3	963.8
27.5°	897.1	901.5	907.5	910.4	916.4	922.3	928.2	934.1	938.6	940.1	943.0
30°	867.4	871.9	877.8	883.7	889.7	897.1	903.0	908.9	916.4	916.4	919.3
32.5°	837.8	843.7	849.6	854.1	860.0	868.9	876.3	882.3	888.2	891.1	894.1
35°	805.1	812.6	818.5	822.9	830.4	839.3	846.7	852.6	860.0	863.0	867.4
37.5°	769.6	775.5	784.4	790.3	800.7	805.1	814.0	820.0	830.4	833.3	836.3
40°	735.5	739.9	748.8	754.7	762.1	772.5	779.9	790.3	797.7	799.2	803.7
42.5°	696.9	705.8	711.7	717.7	725.1	735.5	742.9	753.3	763.6	765.1	769.6
45°	659.8	667.2	673.2	680.6	688.0	698.4	708.8	717.7	725.1	728.0	732.5
47.5°	619.8	628.7	634.6	643.5	652.4	659.8	670.2	679.1	686.5	688.0	693.9
50°	581.2	588.7	593.1	600.5	612.4	619.8	627.2	639.1	645.0	649.5	652.4
52.5°	541.2	545.7	553.1	563.5	570.9	579.8	585.7	596.1	603.5	606.5	612.4
55°	501.2	507.1	510.1	517.5	529.4	533.8	545.7	551.6	562.0	562.0	564.9
57.5°	456.7	464.1	468.6	478.9	486.4	492.3	499.7	508.6	516.0	517.5	521.9
60°	416.7	422.6	427.0	437.4	443.4	449.3	456.7	465.6	471.5	473.0	478.9
62.5°	373.7	376.6	381.1	392.9	395.9	403.3	413.7	419.6	427.0	428.5	431.5
65°	332.1	336.6	338.1	347.0	349.9	355.9	366.2	372.2	376.6	379.6	379.6
67.5°	290.6	293.6	298.0	305.5	306.9	312.9	321.8	327.7	332.1	335.1	335.1
70°	247.6	252.1	256.5	263.9	263.9	271.3	277.3	283.2	289.1	290.6	292.1
72.5°	209.1	213.5	216.5	222.4	223.9	229.8	235.8	241.7	246.1	247.6	250.6
75°	173.5	175.0	176.5	182.4	183.9	192.8	195.7	200.2	204.6	206.1	206.1
77.5°	137.9	139.4	140.9	145.3	148.3	152.7	155.7	160.1	164.6	163.1	169.0
80°	105.3	105.3	106.8	111.2	114.2	117.1	120.1	123.1	126.0	127.5	132.0
82.5°	77.1	75.6	75.6	80.1	81.6	81.6	86.0	89.0	91.9	94.9	93.4
85°	53.4	51.9	51.9	53.4	53.4	56.3	57.8	59.3	62.3	63.8	63.8
87.5°	34.1	32.6	31.1	32.6	31.1	32.6	34.1	35.6	37.1	38.6	40.0
90°	22.2	19.3	17.8	17.8	16.3	16.3	16.3	16.3	17.8	17.8	19.3
92.5°	14.8	13.3	11.9	10.4	8.9	7.4	5.9	5.9	7.4	7.4	7.4
95°	10.4	8.9	7.4	5.9	4.4	4.4	3.0	1.5	1.5	1.5	1.5
97.5°	7.4	5.9	4.4	4.4	3.0	1.5	1.5	0.0	0.0	0.0	0.0
100°	4.4	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.0	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: P571916

CATALOG NUMBER: 22ID-30-L835-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: P571916

CATALOG NUMBER: 22ID-30-L835-SWD

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1055.7	1055.7	1055.7	1055.7
2.5°	1054.3	1054.3	1055.7	1054.3
5°	1052.8	1052.8	1054.3	1052.8
7.5°	1048.3	1048.3	1048.3	1048.3
10°	1043.9	1043.9	1045.4	1043.9
12.5°	1036.5	1037.9	1037.9	1037.9
15°	1027.6	1027.6	1027.6	1027.6
17.5°	1014.2	1015.7	1018.7	1017.2
20°	1000.9	1002.4	1005.3	1003.8
22.5°	986.0	987.5	989.0	987.5
25°	966.8	968.3	969.7	969.7
27.5°	946.0	950.5	950.5	949.0
30°	922.3	928.2	929.7	928.2
32.5°	897.1	903.0	904.5	903.0
35°	871.9	874.8	879.3	877.8
37.5°	839.3	845.2	849.6	849.6
40°	808.1	815.5	818.5	818.5
42.5°	777.0	779.9	784.4	784.4
45°	739.9	744.4	748.8	750.3
47.5°	699.9	705.8	708.8	710.3
50°	659.8	665.8	668.7	670.2
52.5°	619.8	622.8	627.2	628.7
55°	573.8	578.3	582.7	584.2
57.5°	527.9	533.8	536.8	538.2
60°	481.9	489.3	492.3	492.3
62.5°	437.4	441.9	444.8	443.4
65°	391.5	395.9	397.4	397.4
67.5°	341.0	347.0	348.5	348.5
70°	296.6	301.0	304.0	302.5
72.5°	253.6	258.0	259.5	259.5
75°	212.0	215.0	216.5	218.0
77.5°	170.5	175.0	176.5	179.4
80°	132.0	136.4	139.4	142.3
82.5°	97.9	100.8	105.3	106.8
85°	66.7	71.2	74.1	75.6
87.5°	41.5	44.5	47.4	50.4
90°	20.8	23.7	26.7	29.7
92.5°	8.9	10.4	11.9	14.8
95°	3.0	3.0	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: P571916

CATALOG NUMBER: 22ID-30-L835-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: P571916

CATALOG NUMBER: 22ID-30-L835-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	15.20	16.83	15.57	17.15	17.48	14.08	15.70	14.45	16.03	16.35
	3H	16.93	18.40	17.31	18.74	19.11	15.67	17.14	16.05	17.48	17.85
	4H	17.58	18.96	17.98	19.32	19.71	16.26	17.64	16.66	18.00	18.39
	6H	18.06	19.35	18.48	19.72	20.12	16.69	17.98	17.11	18.35	18.75
	8H	18.23	19.46	18.66	19.86	20.27	16.83	18.06	17.26	18.46	18.87
	12H	18.35	19.53	18.79	19.92	20.36	16.93	18.11	17.37	18.50	18.94
4H	2H	15.65	17.04	16.06	17.39	17.78	14.71	16.09	15.11	16.45	16.84
	3H	17.60	18.76	18.01	19.17	19.58	16.50	17.67	16.92	18.07	18.49
	4H	18.37	19.43	18.81	19.85	20.30	17.21	18.26	17.65	18.69	19.13
	6H	19.00	19.92	19.46	20.37	20.84	17.76	18.68	18.22	19.13	19.60
	8H	19.22	20.08	19.69	20.53	21.01	17.94	18.80	18.41	19.25	19.73
	12H	19.40	20.17	19.88	20.66	21.14	18.08	18.86	18.57	19.35	19.83
8H	4H	18.59	19.45	19.05	19.90	20.38	17.52	18.38	17.98	18.83	19.31
	6H	19.32	20.04	19.82	20.54	21.03	18.17	18.89	18.67	19.39	19.88
	8H	19.62	20.27	20.13	20.78	21.28	18.42	19.07	18.94	19.59	20.08
	12H	19.88	20.45	20.39	20.95	21.52	18.64	19.21	19.15	19.71	20.28
12H	4H	18.60	19.38	19.09	19.87	20.35	17.55	18.33	18.04	18.82	19.30
	6H	19.35	20.00	19.87	20.52	21.02	18.23	18.88	18.75	19.40	19.89
	8H	19.70	20.28	20.22	20.78	21.35	18.54	19.12	19.05	19.61	20.19