

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: P571920

Luminaire Tested: 22ID-30-L840-SWD

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571920
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-L840-SWD
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN DROPPED SWEEP LENS AND 4000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3067.0 lumens
Efficiency: N/A
Efficacy: 126.7 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

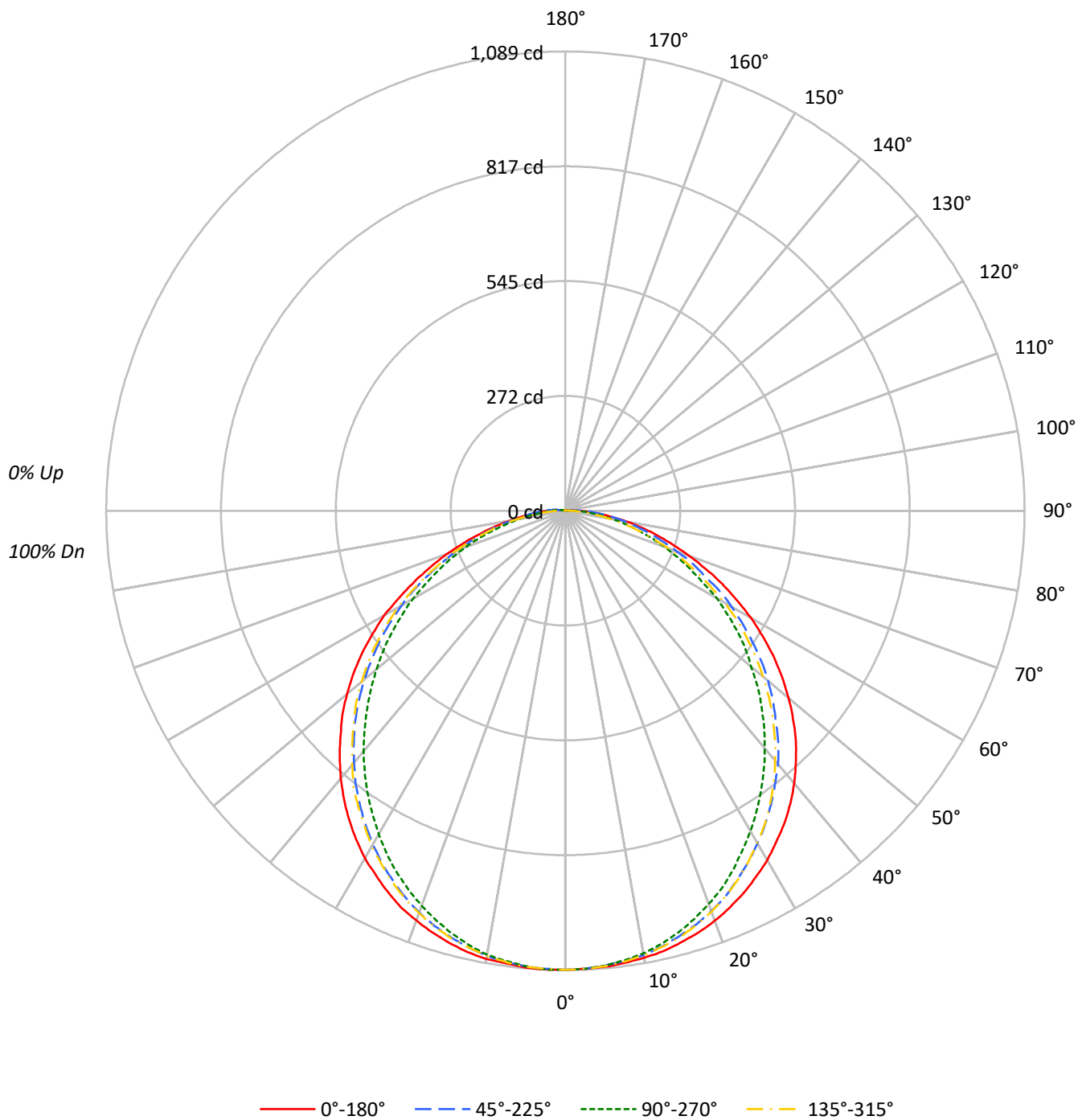
Input Watts (W): 24.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-30-L840-SWD

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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		83
2	99	90	83	78	96	88	82	77	85	79	75		81	77	73		69
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		58
4	82	70	62	55	80	69	61	54	66	59	54		64	58	53		50
5	76	63	54	47	74	62	53	47	60	52	46		57	51	46		43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		38
7	65	51	43	36	63	51	42	36	49	41	36		47	41	36		33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		27
10	53	40	32	27	52	39	32	26	38	31	26		37	31	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2930	2930	2930	2930
5°	2912	2903	2916	2908
10°	2899	2870	2907	2878
15°	2888	2821	2892	2829
20°	2877	2758	2873	2771
25°	2858	2688	2850	2705
30°	2838	2602	2820	2625
35°	2810	2511	2777	2539
40°	2771	2415	2721	2445
45°	2718	2310	2648	2337
50°	2632	2190	2574	2224
55°	2526	2084	2468	2103
60°	2388	1949	2330	1964
65°	2214	1759	2115	1784
70°	1997	1596	1899	1606
75°	1783	1407	1650	1358
80°	1545	1174	1384	1143
85°	1233	942	1161	942

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2718 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	3.4
10°-20°	295.7	9.6
20°-30°	446.7	14.6
30°-40°	534.3	17.4
40°-50°	546.6	17.8
50°-60°	483.7	15.8
60°-70°	358.4	11.7
70°-80°	206.6	6.7
80°-90°	76.7	2.5
90°-100°	14.0	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°	845.5	27.6
0°-40°	1379.7	45.0
0°-60°	2410.1	78.6
0°-90°	3051.8	99.5
90°-120°	15.2	0.5
90°-150°	15.2	0.5
90°-180°	15.0	0.5
0°-180°	3067.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1089	1089	1089	1089	1089	
5°	1086	1083	1087	1084	1086	103
15°	1060	1035	1061	1038	1060	300
25°	1000	940	997	946	1000	461
35°	905	809	895	818	905	566
45°	774	658	754	665	774	595
55°	602	497	589	502	602	538
65°	410	326	392	330	410	405
75°	225	177	208	171	225	239
85°	78	60	73	60	78	78
90°	31	21	41	32	31	18
95°	5	3	21	18	5	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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8
2.5°	1087.2	1088.8	1087.2	1087.2	1087.2	1087.2	1085.7	1085.7	1087.2	1087.2	1087.2
5°	1085.7	1085.7	1084.2	1084.2	1084.2	1084.2	1082.6	1082.6	1084.2	1084.2	1082.6
7.5°	1081.1	1081.1	1081.1	1079.6	1078.0	1079.6	1078.0	1078.0	1078.0	1078.0	1076.5
10°	1076.5	1076.5	1076.5	1076.5	1073.5	1073.5	1071.9	1071.9	1070.4	1070.4	1070.4
12.5°	1070.4	1070.4	1068.9	1067.3	1065.8	1065.8	1064.3	1062.8	1061.2	1059.7	1058.2
15°	1059.7	1059.7	1059.7	1056.6	1055.1	1053.6	1053.6	1052.1	1049.0	1047.5	1044.4
17.5°	1049.0	1049.0	1047.5	1044.4	1042.9	1041.3	1039.8	1038.3	1035.2	1032.2	1029.1
20°	1035.2	1035.2	1033.7	1030.6	1027.6	1026.1	1026.1	1023.0	1016.9	1013.8	1010.8
22.5°	1018.4	1019.9	1018.4	1015.4	1012.3	1009.2	1009.2	1003.1	998.5	995.5	990.9
25°	1000.1	1000.1	998.5	995.5	990.9	987.8	987.8	980.2	977.1	972.5	964.9
27.5°	978.7	978.7	977.1	974.1	971.0	966.4	964.9	957.2	952.7	948.1	938.9
30°	957.2	955.7	955.7	949.6	946.5	942.0	940.4	931.2	926.7	920.5	911.4
32.5°	931.2	931.2	931.2	923.6	920.5	916.0	914.4	905.3	899.1	891.5	882.3
35°	905.3	903.7	900.7	896.1	891.5	886.9	885.4	876.2	870.1	860.9	850.2
37.5°	876.2	873.1	871.6	867.0	862.4	854.8	854.8	845.6	838.0	828.8	816.6
40°	844.1	841.0	839.5	833.4	828.8	822.7	821.2	812.0	801.3	793.6	784.5
42.5°	808.9	805.9	802.8	801.3	793.6	787.5	786.0	775.3	764.6	756.9	747.8
45°	773.7	769.2	766.1	763.0	755.4	749.3	747.8	735.5	726.3	718.7	704.9
47.5°	732.5	729.4	724.8	718.7	715.6	708.0	708.0	695.8	686.6	677.4	668.2
50°	691.2	686.6	683.5	677.4	672.8	666.7	662.1	654.5	645.3	636.1	626.9
52.5°	648.4	643.8	642.2	637.7	630.0	623.9	619.3	613.2	602.5	593.3	585.7
55°	602.5	601.0	594.8	593.3	585.7	579.5	576.5	567.3	558.1	550.5	541.3
57.5°	555.1	550.5	550.5	545.9	539.8	532.1	532.1	521.4	513.8	506.1	497.0
60°	507.7	504.6	504.6	497.0	493.9	487.8	487.8	475.6	469.4	461.8	455.7
62.5°	457.2	460.3	452.6	452.6	446.5	441.9	440.4	432.7	425.1	419.0	412.9
65°	409.8	411.3	406.8	405.2	396.0	391.5	389.9	383.8	377.7	371.6	362.4
67.5°	359.3	360.9	359.3	356.3	351.7	347.1	345.6	339.5	334.9	328.8	325.7
70°	311.9	311.9	313.5	311.9	307.4	304.3	304.3	296.7	292.1	287.5	279.8
72.5°	267.6	270.7	269.1	269.1	264.5	261.5	261.5	255.4	252.3	247.7	241.6
75°	224.8	226.3	227.8	226.3	223.3	221.7	220.2	217.1	214.1	211.0	204.9
77.5°	185.0	186.6	186.6	186.6	185.0	185.0	182.0	178.9	177.4	175.9	171.3
80°	146.8	148.3	149.9	149.9	148.3	146.8	146.8	145.3	145.3	143.7	142.2
82.5°	110.1	113.2	114.7	116.2	116.2	117.7	116.2	114.7	114.7	113.2	111.6
85°	78.0	81.0	84.1	85.6	87.2	87.2	87.2	87.2	87.2	87.2	84.1
87.5°	52.0	55.0	58.1	59.6	61.2	61.2	61.2	61.2	61.2	61.2	59.6
90°	30.6	33.6	35.2	36.7	38.2	36.7	38.2	38.2	39.8	39.8	38.2
92.5°	15.3	16.8	16.8	18.3	18.3	18.3	18.3	18.3	18.3	19.9	18.3
95°	4.6	4.6	6.1	6.1	6.1	6.1	4.6	4.6	3.1	3.1	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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CATALOG NUMBER: 22ID-30-L840-SWD

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°	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8
2.5°	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1087.2	1087.2	1087.2	1087.2
5°	1082.6	1082.6	1081.1	1082.6	1082.6	1081.1	1082.6	1082.6	1082.6	1082.6	1084.2
7.5°	1076.5	1076.5	1075.0	1075.0	1075.0	1075.0	1075.0	1073.5	1075.0	1075.0	1075.0
10°	1067.3	1067.3	1065.8	1065.8	1065.8	1065.8	1064.3	1064.3	1065.8	1065.8	1065.8
12.5°	1056.6	1055.1	1053.6	1053.6	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1
15°	1042.9	1041.3	1039.8	1038.3	1038.3	1038.3	1035.2	1036.8	1035.2	1035.2	1036.8
17.5°	1027.6	1024.5	1021.5	1019.9	1019.9	1019.9	1016.9	1016.9	1015.4	1015.4	1016.9
20°	1006.2	1004.6	1000.1	998.5	998.5	997.0	993.9	993.9	993.9	992.4	995.5
22.5°	986.3	983.2	977.1	975.6	975.6	974.1	969.5	969.5	969.5	969.5	969.5
25°	960.3	957.2	952.7	948.1	948.1	946.5	942.0	942.0	940.4	940.4	942.0
27.5°	932.8	929.7	923.6	919.0	919.0	917.5	912.9	912.9	909.8	908.3	911.4
30°	903.7	900.7	894.6	890.0	888.4	886.9	882.3	882.3	877.7	877.7	880.8
32.5°	877.7	870.1	862.4	857.9	856.3	854.8	850.2	848.7	845.6	844.1	845.6
35°	845.6	834.9	830.3	824.2	822.7	821.2	816.6	812.0	810.4	808.9	810.4
37.5°	812.0	801.3	795.2	789.0	787.5	784.5	778.3	775.3	773.7	773.7	775.3
40°	772.2	766.1	758.5	750.8	749.3	747.8	741.6	740.1	737.0	735.5	738.6
42.5°	735.5	727.9	720.2	712.6	712.6	711.1	704.9	701.9	698.8	697.3	698.8
45°	695.8	688.1	680.5	674.4	672.8	668.2	665.2	662.1	659.1	657.5	659.1
47.5°	654.5	646.8	640.7	633.1	631.5	630.0	625.4	622.4	617.8	619.3	619.3
50°	614.7	607.1	599.4	593.3	590.3	585.7	585.7	582.6	576.5	575.0	578.0
52.5°	573.4	565.8	558.1	552.0	550.5	545.9	541.3	539.8	536.7	538.3	536.7
55°	532.1	523.0	515.3	510.7	507.7	504.6	501.6	498.5	493.9	497.0	497.0
57.5°	486.3	478.6	474.0	467.9	466.4	464.9	458.7	457.2	452.6	454.2	452.6
60°	445.0	437.3	432.7	426.6	425.1	420.5	417.5	415.9	411.3	414.4	411.3
62.5°	405.2	393.0	386.9	380.8	380.8	377.7	374.6	371.6	367.0	365.5	365.5
65°	359.3	351.7	347.1	341.0	341.0	337.9	334.9	331.8	327.2	325.7	328.8
67.5°	318.1	313.5	305.8	301.2	301.2	298.2	295.1	293.6	289.0	287.5	289.0
70°	279.8	275.2	267.6	263.0	263.0	261.5	256.9	255.4	250.8	249.3	247.7
72.5°	241.6	234.0	230.9	226.3	226.3	224.8	220.2	218.7	214.1	212.6	211.0
75°	203.4	200.3	194.2	191.1	192.7	188.1	186.6	183.5	178.9	177.4	177.4
77.5°	168.2	166.7	160.6	157.5	157.5	154.4	152.9	149.9	148.3	145.3	143.7
80°	137.6	136.1	130.0	126.9	126.9	123.9	120.8	119.3	114.7	111.6	111.6
82.5°	110.1	107.0	102.5	99.4	97.9	96.3	93.3	90.2	85.6	84.1	81.0
85°	82.6	81.0	76.5	74.9	71.9	71.9	68.8	65.8	61.2	59.6	58.1
87.5°	58.1	58.1	53.5	52.0	50.5	48.9	45.9	44.3	39.8	38.2	35.2
90°	36.7	36.7	33.6	32.1	30.6	29.1	27.5	26.0	22.9	21.4	18.3
92.5°	16.8	16.8	15.3	13.8	13.8	13.8	12.2	12.2	10.7	9.2	7.6
95°	1.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P571920

CATALOG NUMBER: 22ID-30-L840-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: P571920

CATALOG NUMBER: 22ID-30-L840-SWD

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8
2.5°	1087.2	1087.2	1085.7	1087.2	1085.7	1085.7	1087.2	1087.2	1087.2	1087.2	1087.2
5°	1084.2	1082.6	1082.6	1082.6	1081.1	1082.6	1084.2	1084.2	1084.2	1084.2	1084.2
7.5°	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1076.5	1076.5	1078.0	1078.0	1079.6
10°	1065.8	1065.8	1065.8	1065.8	1065.8	1067.3	1067.3	1070.4	1070.4	1071.9	1073.5
12.5°	1052.1	1052.1	1052.1	1053.6	1053.6	1055.1	1056.6	1058.2	1059.7	1062.8	1062.8
15°	1036.8	1036.8	1036.8	1038.3	1038.3	1039.8	1042.9	1044.4	1047.5	1050.5	1050.5
17.5°	1018.4	1018.4	1016.9	1019.9	1019.9	1021.5	1026.1	1027.6	1030.6	1033.7	1035.2
20°	995.5	995.5	995.5	998.5	998.5	1001.6	1004.6	1007.7	1012.3	1016.9	1018.4
22.5°	971.0	971.0	974.1	975.6	975.6	980.2	983.2	987.8	990.9	995.5	998.5
25°	942.0	945.0	945.0	948.1	951.1	952.7	958.8	961.8	966.4	972.5	975.6
27.5°	914.4	916.0	919.0	919.0	922.1	923.6	931.2	932.8	938.9	946.5	949.6
30°	879.3	883.8	883.8	888.4	891.5	894.6	900.7	903.7	909.8	917.5	923.6
32.5°	847.1	851.7	854.8	854.8	859.4	862.4	870.1	873.1	880.8	886.9	894.6
35°	813.5	816.6	819.6	821.2	824.2	828.8	836.4	839.5	847.1	854.8	862.4
37.5°	775.3	781.4	784.5	784.5	787.5	790.6	799.7	804.3	812.0	819.6	827.3
40°	740.1	743.2	746.2	747.8	752.3	753.9	763.0	767.6	773.7	784.5	790.6
42.5°	700.3	703.4	708.0	708.0	709.5	718.7	723.3	727.9	735.5	746.2	755.4
45°	660.6	663.6	668.2	669.8	669.8	677.4	683.5	688.1	695.8	706.5	715.6
47.5°	619.3	622.4	626.9	626.9	628.5	636.1	642.2	646.8	654.5	665.2	672.8
50°	579.5	582.6	585.7	585.7	587.2	590.3	599.4	604.0	611.7	622.4	630.0
52.5°	538.3	539.8	544.4	544.4	544.4	550.5	556.6	561.2	568.8	579.5	584.1
55°	495.4	497.0	501.6	503.1	503.1	509.2	513.8	518.4	524.5	532.1	542.8
57.5°	451.1	455.7	458.7	458.7	461.8	464.9	471.0	472.5	483.2	487.8	495.4
60°	411.3	414.4	417.5	417.5	415.9	422.0	426.6	429.7	434.3	445.0	451.1
62.5°	367.0	368.5	371.6	371.6	373.1	376.2	379.2	385.3	386.9	393.0	405.2
65°	327.2	327.2	328.8	330.3	330.3	333.4	336.4	341.0	342.5	347.1	356.3
67.5°	286.0	287.5	289.0	289.0	289.0	290.5	293.6	298.2	299.7	302.8	310.4
70°	246.2	247.7	249.3	249.3	249.3	249.3	252.3	256.9	256.9	260.0	264.5
72.5°	209.5	209.5	211.0	211.0	211.0	211.0	211.0	215.6	214.1	218.7	221.7
75°	174.3	172.8	172.8	174.3	172.8	172.8	172.8	175.9	175.9	175.9	180.4
77.5°	139.2	139.2	137.6	136.1	136.1	136.1	136.1	137.6	139.2	140.7	140.7
80°	107.0	105.5	105.5	104.0	102.5	102.5	100.9	104.0	100.9	105.5	105.5
82.5°	78.0	76.5	74.9	73.4	73.4	71.9	70.3	71.9	71.9	71.9	74.9
85°	53.5	50.5	50.5	47.4	47.4	45.9	45.9	47.4	45.9	47.4	48.9
87.5°	32.1	30.6	29.1	26.0	26.0	26.0	24.5	26.0	26.0	27.5	29.1
90°	15.3	13.8	12.2	12.2	10.7	10.7	10.7	12.2	12.2	13.8	16.8
92.5°	6.1	4.6	4.6	3.1	3.1	3.1	4.6	6.1	7.6	9.2	10.7
95°	1.5	1.5	1.5	1.5	0.0	1.5	1.5	3.1	4.6	6.1	7.6
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.1	3.1	4.6
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.1
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: P571920

CATALOG NUMBER: 22ID-30-L840-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: P571920

CATALOG NUMBER: 22ID-30-L840-SWD

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8
2.5°	1087.2	1087.2	1087.2	1087.2	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8
5°	1084.2	1085.7	1085.7	1085.7	1085.7	1087.2	1087.2	1087.2	1087.2	1087.2	1085.7
7.5°	1079.6	1081.1	1081.1	1081.1	1081.1	1082.6	1082.6	1082.6	1082.6	1082.6	1081.1
10°	1073.5	1073.5	1075.0	1076.5	1076.5	1078.0	1078.0	1079.6	1078.0	1078.0	1076.5
12.5°	1064.3	1065.8	1067.3	1067.3	1068.9	1070.4	1070.4	1071.9	1070.4	1070.4	1068.9
15°	1053.6	1055.1	1056.6	1058.2	1059.7	1059.7	1061.2	1061.2	1059.7	1059.7	1058.2
17.5°	1039.8	1041.3	1042.9	1044.4	1047.5	1047.5	1049.0	1049.0	1049.0	1047.5	1045.9
20°	1021.5	1024.5	1027.6	1029.1	1030.6	1033.7	1033.7	1033.7	1033.7	1033.7	1032.2
22.5°	1003.1	1006.2	1009.2	1010.8	1015.4	1016.9	1016.9	1018.4	1018.4	1016.9	1015.4
25°	980.2	984.8	987.8	989.4	993.9	995.5	997.0	997.0	995.5	995.5	992.4
27.5°	957.2	963.4	963.4	966.4	971.0	971.0	975.6	974.1	975.6	972.5	969.5
30°	929.7	935.8	937.4	940.4	943.5	946.5	951.1	951.1	952.7	948.1	945.0
32.5°	902.2	908.3	909.8	912.9	916.0	919.0	923.6	923.6	925.1	922.1	919.0
35°	867.0	877.7	879.3	882.3	886.9	890.0	894.6	894.6	896.1	894.6	888.4
37.5°	833.4	844.1	845.6	850.2	856.3	859.4	862.4	862.4	865.5	860.9	857.9
40°	801.3	808.9	810.4	815.0	822.7	822.7	828.8	828.8	827.3	827.3	822.7
42.5°	763.0	770.7	773.7	778.3	784.5	790.6	793.6	792.1	792.1	795.2	790.6
45°	723.3	732.5	734.0	738.6	744.7	750.8	755.4	753.9	753.9	755.4	749.3
47.5°	682.0	689.6	691.2	697.3	703.4	706.5	714.1	717.2	714.1	715.6	709.5
50°	636.1	646.8	649.9	654.5	662.1	665.2	672.8	675.9	672.8	671.3	666.7
52.5°	596.4	605.5	605.5	611.7	617.8	625.4	630.0	633.1	630.0	628.5	628.5
55°	550.5	559.7	561.2	564.3	571.9	579.5	584.1	588.7	585.7	587.2	584.1
57.5°	504.6	512.3	513.8	518.4	524.5	533.7	536.7	541.3	541.3	539.8	533.7
60°	458.7	466.4	467.9	472.5	477.1	483.2	490.9	495.4	492.4	493.9	486.3
62.5°	412.9	419.0	422.0	423.6	431.2	438.9	441.9	441.9	448.0	446.5	440.4
65°	362.4	368.5	370.1	373.1	379.2	386.9	391.5	391.5	394.5	394.5	388.4
67.5°	316.5	322.6	324.2	325.7	331.8	341.0	342.5	344.1	345.6	345.6	341.0
70°	270.7	276.8	278.3	281.4	284.4	293.6	295.1	296.7	301.2	299.7	295.1
72.5°	227.8	232.4	234.0	235.5	238.5	247.7	249.3	250.8	255.4	255.4	255.4
75°	185.0	189.6	191.1	191.1	195.7	203.4	206.4	208.0	211.0	212.6	212.6
77.5°	145.3	148.3	148.3	149.9	154.4	162.1	165.1	168.2	169.7	171.3	172.8
80°	108.6	111.6	113.2	114.7	117.7	123.9	126.9	131.5	133.0	134.6	136.1
82.5°	76.5	79.5	79.5	82.6	85.6	91.7	94.8	99.4	100.9	104.0	105.5
85°	50.5	55.0	56.6	56.6	61.2	65.8	70.3	73.4	76.5	78.0	81.0
87.5°	32.1	35.2	38.2	39.8	42.8	47.4	50.5	53.5	56.6	59.6	62.7
90°	19.9	22.9	24.5	27.5	30.6	33.6	36.7	41.3	42.8	45.9	48.9
92.5°	13.8	16.8	18.3	18.3	21.4	24.5	27.5	30.6	32.1	33.6	35.2
95°	9.2	12.2	12.2	13.8	15.3	18.3	19.9	21.4	22.9	22.9	22.9
97.5°	6.1	7.6	9.2	9.2	10.7	12.2	13.8	13.8	15.3	15.3	15.3
100°	3.1	4.6	4.6	6.1	6.1	7.6	9.2	9.2	9.2	9.2	9.2
102.5°	1.5	3.1	3.1	3.1	4.6	4.6	4.6	6.1	6.1	6.1	6.1
105°	0.0	1.5	1.5	1.5	1.5	3.1	3.1	3.1	3.1	3.1	3.1
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: P571920

CATALOG NUMBER: 22ID-30-L840-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: P571920

CATALOG NUMBER: 22ID-30-L840-SWD

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8
2.5°	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2
5°	1085.7	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2
7.5°	1081.1	1081.1	1081.1	1079.6	1079.6	1079.6	1079.6	1078.0	1078.0	1076.5	1076.5
10°	1076.5	1075.0	1075.0	1073.5	1073.5	1073.5	1071.9	1071.9	1070.4	1068.9	1068.9
12.5°	1067.3	1067.3	1065.8	1065.8	1064.3	1062.8	1061.2	1059.7	1058.2	1058.2	1055.1
15°	1056.6	1055.1	1055.1	1052.1	1052.1	1050.5	1047.5	1045.9	1044.4	1042.9	1039.8
17.5°	1044.4	1041.3	1041.3	1039.8	1038.3	1035.2	1032.2	1030.6	1027.6	1026.1	1024.5
20°	1029.1	1027.6	1027.6	1023.0	1019.9	1016.9	1013.8	1010.8	1009.2	1004.6	1001.6
22.5°	1012.3	1009.2	1009.2	1006.2	1001.6	998.5	992.4	989.4	986.3	981.7	978.7
25°	989.4	986.3	986.3	981.7	977.1	974.1	967.9	963.4	958.8	954.2	954.2
27.5°	966.4	963.4	961.8	957.2	952.7	948.1	942.0	935.8	932.8	928.2	925.1
30°	940.4	937.4	937.4	931.2	926.7	920.5	912.9	906.8	900.7	897.6	894.6
32.5°	914.4	912.9	908.3	903.7	897.6	891.5	882.3	876.2	870.1	865.5	862.4
35°	885.4	883.8	879.3	874.7	867.0	859.4	850.2	844.1	838.0	833.4	828.8
37.5°	853.3	851.7	847.1	839.5	834.9	825.7	816.6	808.9	804.3	798.2	792.1
40°	819.6	816.6	812.0	805.9	799.7	790.6	779.9	773.7	767.6	761.5	755.4
42.5°	782.9	781.4	776.8	767.6	761.5	753.9	743.2	735.5	729.4	721.8	718.7
45°	744.7	744.7	740.1	732.5	723.3	714.1	704.9	697.3	689.6	683.5	677.4
47.5°	704.9	704.9	698.8	692.7	683.5	674.4	663.6	656.0	648.4	643.8	637.7
50°	663.6	662.1	659.1	648.4	642.2	633.1	622.4	616.2	608.6	602.5	596.4
52.5°	620.8	619.3	616.2	605.5	599.4	590.3	579.5	573.4	567.3	559.7	555.1
55°	576.5	575.0	568.8	565.8	555.1	547.4	536.7	532.1	523.0	516.9	512.3
57.5°	529.1	529.1	524.5	518.4	509.2	501.6	492.4	486.3	478.6	474.0	469.4
60°	483.2	483.2	480.2	472.5	464.9	457.2	448.0	443.5	435.8	432.7	428.2
62.5°	437.3	437.3	431.2	426.6	419.0	411.3	403.7	393.0	388.4	383.8	380.8
65°	385.3	385.3	379.2	377.7	370.1	362.4	356.3	353.2	347.1	342.5	337.9
67.5°	339.5	339.5	333.4	331.8	325.7	319.6	311.9	310.4	302.8	301.2	296.7
70°	293.6	295.1	290.5	286.0	281.4	276.8	270.7	266.1	261.5	260.0	256.9
72.5°	249.3	247.7	247.7	244.7	240.1	235.5	230.9	227.8	223.3	221.7	218.7
75°	208.0	206.4	204.9	204.9	200.3	195.7	192.7	191.1	186.6	183.5	182.0
77.5°	168.2	169.7	169.7	166.7	163.6	160.6	159.0	156.0	151.4	149.9	148.3
80°	133.0	134.6	134.6	131.5	130.0	126.9	123.9	123.9	119.3	119.3	117.7
82.5°	102.5	102.5	102.5	102.5	99.4	97.9	97.9	93.3	93.3	91.7	90.2
85°	79.5	79.5	79.5	81.0	79.5	78.0	78.0	74.9	73.4	71.9	70.3
87.5°	64.2	64.2	65.8	65.8	65.8	64.2	64.2	62.7	61.2	58.1	56.6
90°	48.9	50.5	50.5	52.0	52.0	52.0	50.5	48.9	47.4	45.9	44.3
92.5°	36.7	36.7	38.2	38.2	38.2	38.2	38.2	36.7	35.2	35.2	33.6
95°	22.9	24.5	24.5	24.5	26.0	26.0	26.0	26.0	24.5	22.9	22.9
97.5°	15.3	13.8	13.8	13.8	13.8	15.3	15.3	15.3	13.8	13.8	13.8
100°	9.2	7.6	7.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	7.6
102.5°	4.6	4.6	4.6	3.1	3.1	1.5	1.5	1.5	1.5	3.1	4.6
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: P571920

CATALOG NUMBER: 22ID-30-L840-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: P571920

CATALOG NUMBER: 22ID-30-L840-SWD

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8
2.5°	1087.2	1087.2	1087.2	1087.2	1087.2	1088.8	1087.2	1088.8	1087.2	1087.2	1087.2
5°	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1082.6
7.5°	1076.5	1076.5	1076.5	1076.5	1076.5	1076.5	1076.5	1076.5	1076.5	1076.5	1076.5
10°	1068.9	1068.9	1068.9	1067.3	1068.9	1068.9	1067.3	1068.9	1067.3	1068.9	1068.9
12.5°	1056.6	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1056.6
15°	1041.3	1041.3	1039.8	1039.8	1038.3	1038.3	1038.3	1038.3	1039.8	1039.8	1041.3
17.5°	1023.0	1023.0	1023.0	1019.9	1021.5	1018.4	1019.9	1019.9	1021.5	1021.5	1023.0
20°	1001.6	1000.1	1000.1	998.5	997.0	997.0	998.5	998.5	1001.6	1001.6	1003.1
22.5°	978.7	977.1	977.1	974.1	972.5	972.5	974.1	975.6	978.7	977.1	980.2
25°	951.1	949.6	949.6	945.0	948.1	946.5	945.0	948.1	949.6	949.6	952.7
27.5°	922.1	920.5	919.0	917.5	917.5	917.5	916.0	916.0	920.5	920.5	923.6
30°	891.5	890.0	888.4	886.9	885.4	885.4	883.8	885.4	888.4	891.5	893.0
32.5°	859.4	857.9	853.3	853.3	853.3	851.7	851.7	853.3	856.3	857.9	860.9
35°	824.2	822.7	819.6	816.6	818.1	818.1	816.6	819.6	822.7	827.3	827.3
37.5°	789.0	787.5	784.5	784.5	781.4	781.4	779.9	781.4	787.5	789.0	792.1
40°	750.8	750.8	747.8	744.7	744.7	744.7	743.2	744.7	747.8	755.4	755.4
42.5°	714.1	712.6	708.0	706.5	704.9	704.9	704.9	708.0	708.0	717.2	717.2
45°	674.4	672.8	668.2	666.7	666.7	665.2	665.2	668.2	669.8	677.4	677.4
47.5°	633.1	631.5	626.9	626.9	626.9	625.4	623.9	626.9	630.0	636.1	637.7
50°	593.3	590.3	587.2	585.7	584.1	584.1	582.6	587.2	590.3	596.4	594.8
52.5°	550.5	550.5	547.4	544.4	544.4	544.4	542.8	547.4	547.4	553.6	555.1
55°	509.2	506.1	504.6	503.1	501.6	501.6	501.6	504.6	504.6	512.3	512.3
57.5°	464.9	464.9	460.3	460.3	460.3	458.7	458.7	460.3	463.3	469.4	469.4
60°	423.6	423.6	417.5	419.0	417.5	417.5	417.5	419.0	420.5	426.6	426.6
62.5°	377.7	374.6	373.1	371.6	371.6	371.6	373.1	373.1	374.6	380.8	380.8
65°	336.4	333.4	331.8	331.8	330.3	330.3	330.3	331.8	333.4	337.9	337.9
67.5°	295.1	292.1	290.5	290.5	289.0	290.5	290.5	290.5	292.1	296.7	296.7
70°	255.4	253.8	249.3	250.8	249.3	250.8	250.8	249.3	250.8	255.4	255.4
72.5°	217.1	215.6	212.6	212.6	211.0	211.0	209.5	209.5	211.0	215.6	215.6
75°	180.4	177.4	175.9	175.9	174.3	171.3	174.3	172.8	172.8	177.4	177.4
77.5°	148.3	146.8	145.3	142.2	140.7	139.2	139.2	137.6	137.6	140.7	139.2
80°	116.2	113.2	111.6	111.6	110.1	108.6	107.0	105.5	105.5	107.0	107.0
82.5°	88.7	87.2	85.6	85.6	82.6	81.0	81.0	78.0	79.5	78.0	79.5
85°	70.3	67.3	65.8	64.2	62.7	59.6	59.6	56.6	56.6	55.0	55.0
87.5°	55.0	55.0	50.5	48.9	47.4	44.3	41.3	39.8	39.8	36.7	36.7
90°	42.8	42.8	39.8	38.2	35.2	32.1	30.6	27.5	26.0	24.5	22.9
92.5°	32.1	32.1	29.1	27.5	26.0	24.5	22.9	21.4	19.9	16.8	16.8
95°	22.9	21.4	19.9	19.9	18.3	18.3	16.8	15.3	13.8	12.2	12.2
97.5°	13.8	13.8	13.8	13.8	13.8	12.2	10.7	10.7	9.2	7.6	7.6
100°	7.6	7.6	7.6	9.2	7.6	7.6	7.6	6.1	6.1	4.6	4.6
102.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.1	3.1
105°	1.5	1.5	1.5	3.1	3.1	3.1	3.1	3.1	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: P571920

CATALOG NUMBER: 22ID-30-L840-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: P571920

CATALOG NUMBER: 22ID-30-L840-SWD

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8	1088.8
2.5°	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1088.8
5°	1084.2	1084.2	1084.2	1084.2	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7
7.5°	1076.5	1076.5	1078.0	1078.0	1079.6	1079.6	1079.6	1081.1	1081.1	1081.1	1081.1
10°	1068.9	1068.9	1070.4	1071.9	1071.9	1073.5	1073.5	1075.0	1075.0	1076.5	1076.5
12.5°	1056.6	1056.6	1059.7	1061.2	1061.2	1062.8	1064.3	1065.8	1065.8	1067.3	1067.3
15°	1041.3	1042.9	1044.4	1047.5	1049.0	1052.1	1052.1	1055.1	1056.6	1056.6	1058.2
17.5°	1023.0	1026.1	1029.1	1030.6	1033.7	1036.8	1038.3	1041.3	1044.4	1044.4	1045.9
20°	1003.1	1006.2	1010.8	1012.3	1015.4	1019.9	1021.5	1024.5	1027.6	1030.6	1030.6
22.5°	981.7	984.8	987.8	992.4	995.5	1000.1	1003.1	1007.7	1012.3	1012.3	1015.4
25°	954.2	958.8	963.4	966.4	971.0	977.1	981.7	984.8	990.9	992.4	993.9
27.5°	925.1	929.7	935.8	938.9	945.0	951.1	957.2	963.4	967.9	969.5	972.5
30°	894.6	899.1	905.3	911.4	917.5	925.1	931.2	937.4	945.0	945.0	948.1
32.5°	864.0	870.1	876.2	880.8	886.9	896.1	903.7	909.8	916.0	919.0	922.1
35°	830.3	838.0	844.1	848.7	856.3	865.5	873.1	879.3	886.9	890.0	894.6
37.5°	793.6	799.7	808.9	815.0	825.7	830.3	839.5	845.6	856.3	859.4	862.4
40°	758.5	763.0	772.2	778.3	786.0	796.7	804.3	815.0	822.7	824.2	828.8
42.5°	718.7	727.9	734.0	740.1	747.8	758.5	766.1	776.8	787.5	789.0	793.6
45°	680.5	688.1	694.2	701.9	709.5	720.2	730.9	740.1	747.8	750.8	755.4
47.5°	639.2	648.4	654.5	663.6	672.8	680.5	691.2	700.3	708.0	709.5	715.6
50°	599.4	607.1	611.7	619.3	631.5	639.2	646.8	659.1	665.2	669.8	672.8
52.5°	558.1	562.7	570.4	581.1	588.7	597.9	604.0	614.7	622.4	625.4	631.5
55°	516.9	523.0	526.0	533.7	545.9	550.5	562.7	568.8	579.5	579.5	582.6
57.5°	471.0	478.6	483.2	493.9	501.6	507.7	515.3	524.5	532.1	533.7	538.3
60°	429.7	435.8	440.4	451.1	457.2	463.3	471.0	480.2	486.3	487.8	493.9
62.5°	385.3	388.4	393.0	405.2	408.3	415.9	426.6	432.7	440.4	441.9	445.0
65°	342.5	347.1	348.6	357.8	360.9	367.0	377.7	383.8	388.4	391.5	391.5
67.5°	299.7	302.8	307.4	315.0	316.5	322.6	331.8	337.9	342.5	345.6	345.6
70°	255.4	260.0	264.5	272.2	272.2	279.8	286.0	292.1	298.2	299.7	301.2
72.5°	215.6	220.2	223.3	229.4	230.9	237.0	243.1	249.3	253.8	255.4	258.4
75°	178.9	180.4	182.0	188.1	189.6	198.8	201.8	206.4	211.0	212.6	212.6
77.5°	142.2	143.7	145.3	149.9	152.9	157.5	160.6	165.1	169.7	168.2	174.3
80°	108.6	108.6	110.1	114.7	117.7	120.8	123.9	126.9	130.0	131.5	136.1
82.5°	79.5	78.0	78.0	82.6	84.1	84.1	88.7	91.7	94.8	97.9	96.3
85°	55.0	53.5	53.5	55.0	55.0	58.1	59.6	61.2	64.2	65.8	65.8
87.5°	35.2	33.6	32.1	33.6	32.1	33.6	35.2	36.7	38.2	39.8	41.3
90°	22.9	19.9	18.3	18.3	16.8	16.8	16.8	16.8	18.3	18.3	19.9
92.5°	15.3	13.8	12.2	10.7	9.2	7.6	6.1	6.1	7.6	7.6	7.6
95°	10.7	9.2	7.6	6.1	4.6	4.6	3.1	1.5	1.5	1.5	1.5
97.5°	7.6	6.1	4.6	4.6	3.1	1.5	1.5	0.0	0.0	0.0	0.0
100°	4.6	3.1	3.1	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.1	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: P571920

CATALOG NUMBER: 22ID-30-L840-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: P571920

CATALOG NUMBER: 22ID-30-L840-SWD

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1088.8	1088.8	1088.8	1088.8
2.5°	1087.2	1087.2	1088.8	1087.2
5°	1085.7	1085.7	1087.2	1085.7
7.5°	1081.1	1081.1	1081.1	1081.1
10°	1076.5	1076.5	1078.0	1076.5
12.5°	1068.9	1070.4	1070.4	1070.4
15°	1059.7	1059.7	1059.7	1059.7
17.5°	1045.9	1047.5	1050.5	1049.0
20°	1032.2	1033.7	1036.8	1035.2
22.5°	1016.9	1018.4	1019.9	1018.4
25°	997.0	998.5	1000.1	1000.1
27.5°	975.6	980.2	980.2	978.7
30°	951.1	957.2	958.8	957.2
32.5°	925.1	931.2	932.8	931.2
35°	899.1	902.2	906.8	905.3
37.5°	865.5	871.6	876.2	876.2
40°	833.4	841.0	844.1	844.1
42.5°	801.3	804.3	808.9	808.9
45°	763.0	767.6	772.2	773.7
47.5°	721.8	727.9	730.9	732.5
50°	680.5	686.6	689.6	691.2
52.5°	639.2	642.2	646.8	648.4
55°	591.8	596.4	601.0	602.5
57.5°	544.4	550.5	553.6	555.1
60°	497.0	504.6	507.7	507.7
62.5°	451.1	455.7	458.7	457.2
65°	403.7	408.3	409.8	409.8
67.5°	351.7	357.8	359.3	359.3
70°	305.8	310.4	313.5	311.9
72.5°	261.5	266.1	267.6	267.6
75°	218.7	221.7	223.3	224.8
77.5°	175.9	180.4	182.0	185.0
80°	136.1	140.7	143.7	146.8
82.5°	100.9	104.0	108.6	110.1
85°	68.8	73.4	76.5	78.0
87.5°	42.8	45.9	48.9	52.0
90°	21.4	24.5	27.5	30.6
92.5°	9.2	10.7	12.2	15.3
95°	3.1	3.1	4.6	4.6
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: P571920

CATALOG NUMBER: 22ID-30-L840-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: P571920
CATALOG NUMBER: 22ID-30-L840-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	15.31	16.93	15.68	17.26	17.58	14.18	15.81	14.56	16.13	16.46
	3H	17.04	18.51	17.42	18.84	19.22	15.78	17.25	16.16	17.58	17.96
	4H	17.68	19.07	18.09	19.43	19.81	16.36	17.75	16.77	18.11	18.49
	6H	18.17	19.45	18.59	19.83	20.23	16.80	18.08	17.22	18.46	18.86
	8H	18.34	19.56	18.77	19.96	20.37	16.94	18.17	17.37	18.57	18.98
	12H	18.46	19.64	18.90	20.03	20.47	17.04	18.22	17.48	18.61	19.05
4H	2H	15.76	17.14	16.17	17.50	17.89	14.81	16.20	15.22	16.56	16.95
	3H	17.70	18.87	18.12	19.27	19.69	16.61	17.77	17.03	18.18	18.59
	4H	18.48	19.53	18.92	19.96	20.40	17.32	18.37	17.75	18.79	19.24
	6H	19.10	20.03	19.57	20.48	20.94	17.86	18.79	18.32	19.24	19.70
	8H	19.32	20.19	19.79	20.64	21.12	18.05	18.91	18.51	19.36	19.84
	12H	19.50	20.28	19.99	20.77	21.25	18.19	18.97	18.68	19.45	19.93
8H	4H	18.69	19.56	19.16	20.01	20.49	17.62	18.49	18.09	18.94	19.42
	6H	19.43	20.15	19.93	20.65	21.13	18.28	19.00	18.78	19.50	19.98
	8H	19.72	20.37	20.24	20.89	21.39	18.53	19.18	19.05	19.69	20.19
	12H	19.99	20.56	20.50	21.06	21.63	18.75	19.32	19.26	19.82	20.39
12H	4H	18.71	19.49	19.20	19.97	20.45	17.66	18.44	18.15	18.92	19.40
	6H	19.46	20.11	19.98	20.63	21.12	18.34	18.99	18.86	19.50	20.00
	8H	19.81	20.39	20.33	20.89	21.46	18.65	19.22	19.16	19.72	20.29