

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: P571880

Luminaire Tested: 22ID-20-L830-SWD

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571880
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-20-L830-SWD
Description: 2000 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: 1961.0 lumens
Efficiency: N/A
Efficacy: 120.3 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

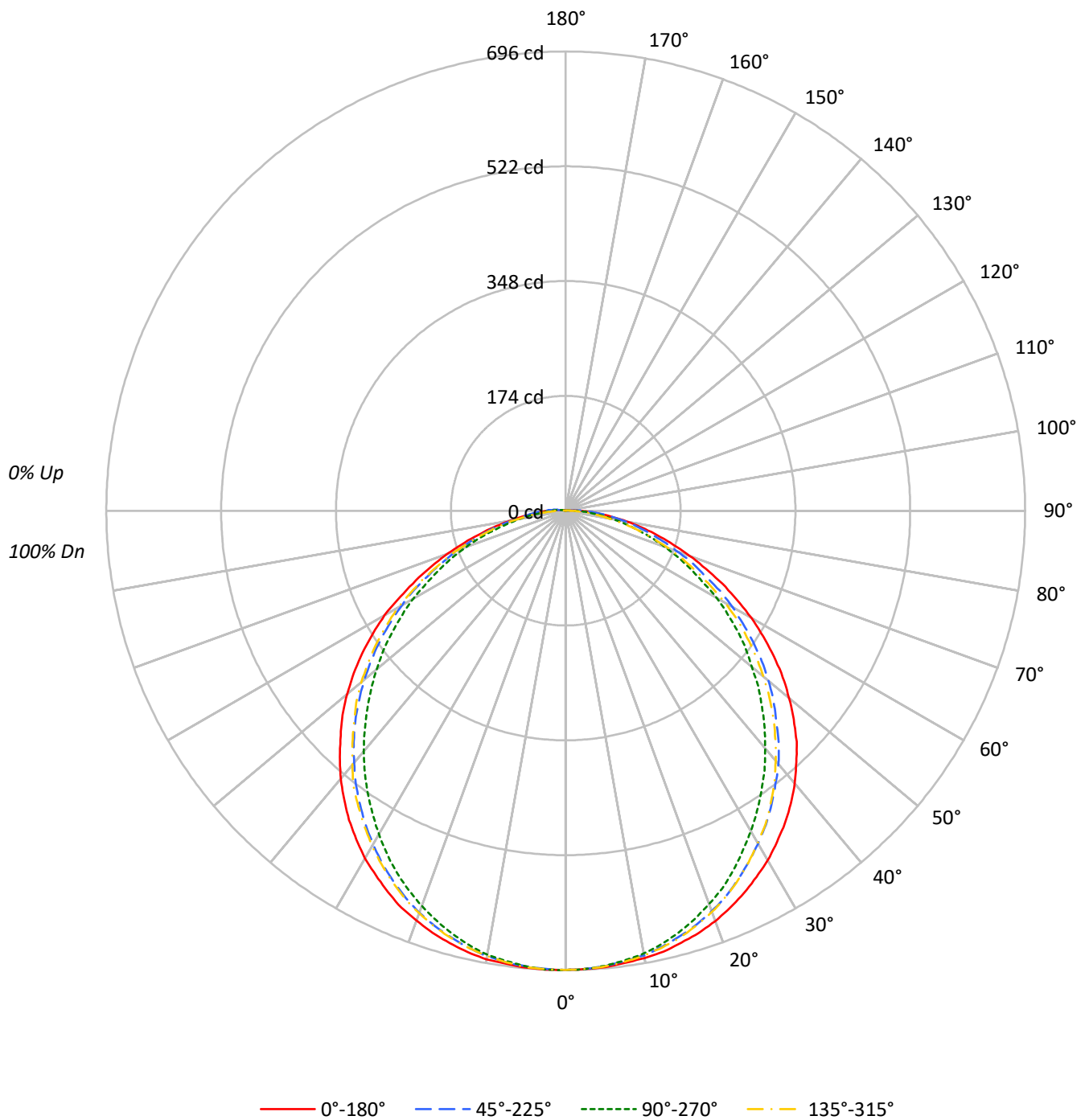
Input Watts (W): 16.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

Luminous Intensity Polar Plot



TEST NUMBER: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

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°	1873	1873	1873	1873
5°	1862	1856	1864	1859
10°	1854	1835	1859	1840
15°	1846	1804	1849	1809
20°	1840	1764	1837	1772
25°	1827	1719	1822	1730
30°	1815	1664	1803	1678
35°	1797	1605	1775	1624
40°	1772	1544	1740	1563
45°	1738	1477	1693	1494
50°	1683	1400	1646	1422
55°	1615	1332	1578	1345
60°	1527	1246	1490	1255
65°	1415	1125	1352	1141
70°	1277	1020	1214	1026
75°	1140	899	1055	868
80°	988	751	885	730
85°	789	602	742	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1738 cd/sqm

TEST NUMBER: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	3.4
10°-20°	189.0	9.6
20°-30°	285.6	14.6
30°-40°	341.6	17.4
40°-50°	349.5	17.8
50°-60°	309.3	15.8
60°-70°	229.2	11.7
70°-80°	132.1	6.7
80°-90°	49.1	2.5
90°-100°	9.0	0.5
100°-110°	0.7	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°	540.6	27.6
0°-40°	882.2	45.0
0°-60°	1541.0	78.6
0°-90°	1951.3	99.5
90°-120°	9.7	0.5
90°-150°	9.7	0.5
90°-180°	10.0	0.5
0°-180°	1961.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	696	696	696	696	696	
5°	694	692	695	693	694	66
15°	678	662	678	664	678	192
25°	639	601	638	605	639	295
35°	579	517	572	523	579	362
45°	495	420	482	425	495	381
55°	385	318	376	321	385	344
65°	262	208	250	211	262	259
75°	144	113	133	110	144	153
85°	50	38	47	38	50	50
90°	20	14	26	20	20	11
95°	3	2	14	12	3	2
105°	0	0	2	2	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	

TEST NUMBER: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	695.2	696.1	695.2	695.2	695.2	695.2	694.2	694.2	695.2	695.2	695.2
5°	694.2	694.2	693.2	693.2	693.2	693.2	692.2	692.2	693.2	693.2	692.2
7.5°	691.2	691.2	691.2	690.3	689.3	690.3	689.3	689.3	689.3	689.3	688.3
10°	688.3	688.3	688.3	688.3	686.4	686.4	685.4	685.4	684.4	684.4	684.4
12.5°	684.4	684.4	683.4	682.4	681.5	681.5	680.5	679.5	678.5	677.6	676.6
15°	677.6	677.6	677.6	675.6	674.6	673.6	673.6	672.7	670.7	669.7	667.8
17.5°	670.7	670.7	669.7	667.8	666.8	665.8	664.8	663.9	661.9	660.0	658.0
20°	661.9	661.9	660.9	659.0	657.0	656.0	656.0	654.1	650.2	648.2	646.3
22.5°	651.2	652.1	651.2	649.2	647.2	645.3	645.3	641.4	638.4	636.5	633.6
25°	639.4	639.4	638.4	636.5	633.6	631.6	631.6	626.7	624.8	621.8	616.9
27.5°	625.7	625.7	624.8	622.8	620.8	617.9	616.9	612.1	609.1	606.2	600.3
30°	612.1	611.1	611.1	607.2	605.2	602.3	601.3	595.4	592.5	588.6	582.7
32.5°	595.4	595.4	595.4	590.5	588.6	585.7	584.7	578.8	574.9	570.0	564.1
35°	578.8	577.8	575.9	572.9	570.0	567.1	566.1	560.2	556.3	550.5	543.6
37.5°	560.2	558.3	557.3	554.4	551.4	546.5	546.5	540.7	535.8	529.9	522.1
40°	539.7	537.7	536.8	532.9	529.9	526.0	525.0	519.2	512.3	507.4	501.6
42.5°	517.2	515.3	513.3	512.3	507.4	503.5	502.5	495.7	488.9	484.0	478.1
45°	494.7	491.8	489.8	487.9	483.0	479.1	478.1	470.3	464.4	459.5	450.7
47.5°	468.3	466.4	463.4	459.5	457.6	452.7	452.7	444.9	439.0	433.1	427.3
50°	441.9	439.0	437.0	433.1	430.2	426.3	423.4	418.5	412.6	406.7	400.9
52.5°	414.6	411.6	410.6	407.7	402.8	398.9	396.0	392.1	385.2	379.4	374.5
55°	385.2	384.2	380.3	379.4	374.5	370.6	368.6	362.7	356.9	352.0	346.1
57.5°	354.9	352.0	352.0	349.0	345.1	340.2	340.2	333.4	328.5	323.6	317.8
60°	324.6	322.6	322.6	317.8	315.8	311.9	311.9	304.1	300.2	295.3	291.4
62.5°	292.3	294.3	289.4	289.4	285.5	282.6	281.6	276.7	271.8	267.9	264.0
65°	262.0	263.0	260.1	259.1	253.2	250.3	249.3	245.4	241.5	237.6	231.7
67.5°	229.8	230.7	229.8	227.8	224.9	221.9	221.0	217.1	214.1	210.2	208.3
70°	199.5	199.5	200.4	199.5	196.5	194.6	194.6	189.7	186.7	183.8	178.9
72.5°	171.1	173.1	172.1	172.1	169.1	167.2	167.2	163.3	161.3	158.4	154.5
75°	143.7	144.7	145.7	144.7	142.7	141.8	140.8	138.8	136.9	134.9	131.0
77.5°	118.3	119.3	119.3	119.3	118.3	118.3	116.3	114.4	113.4	112.4	109.5
80°	93.9	94.8	95.8	95.8	94.8	93.9	93.9	92.9	92.9	91.9	90.9
82.5°	70.4	72.4	73.3	74.3	74.3	75.3	74.3	73.3	73.3	72.4	71.4
85°	49.9	51.8	53.8	54.8	55.7	55.7	55.7	55.7	55.7	55.7	53.8
87.5°	33.2	35.2	37.2	38.1	39.1	39.1	39.1	39.1	39.1	39.1	38.1
90°	19.6	21.5	22.5	23.5	24.4	23.5	24.4	24.4	25.4	25.4	24.4
92.5°	9.8	10.8	10.8	11.7	11.7	11.7	11.7	11.7	11.7	12.7	11.7
95°	2.9	2.9	3.9	3.9	3.9	3.9	2.9	2.9	2.0	2.0	1.0
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: P571880

CATALOG NUMBER: 22ID-20-L830-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

TEST NUMBER: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	694.2	694.2	694.2	694.2	694.2	694.2	694.2	695.2	695.2	695.2	695.2
5°	692.2	692.2	691.2	692.2	692.2	691.2	692.2	692.2	692.2	692.2	693.2
7.5°	688.3	688.3	687.3	687.3	687.3	687.3	687.3	686.4	687.3	687.3	687.3
10°	682.4	682.4	681.5	681.5	681.5	681.5	680.5	680.5	681.5	681.5	681.5
12.5°	675.6	674.6	673.6	673.6	672.7	672.7	672.7	672.7	672.7	672.7	672.7
15°	666.8	665.8	664.8	663.9	663.9	663.9	661.9	662.9	661.9	661.9	662.9
17.5°	657.0	655.1	653.1	652.1	652.1	652.1	650.2	650.2	649.2	649.2	650.2
20°	643.3	642.4	639.4	638.4	638.4	637.5	635.5	635.5	635.5	634.5	636.5
22.5°	630.6	628.7	624.8	623.8	623.8	622.8	619.9	619.9	619.9	619.9	619.9
25°	614.0	612.1	609.1	606.2	606.2	605.2	602.3	602.3	601.3	601.3	602.3
27.5°	596.4	594.5	590.5	587.6	587.6	586.6	583.7	583.7	581.7	580.8	582.7
30°	577.8	575.9	572.0	569.0	568.1	567.1	564.1	564.1	561.2	561.2	563.2
32.5°	561.2	556.3	551.4	548.5	547.5	546.5	543.6	542.6	540.7	539.7	540.7
35°	540.7	533.8	530.9	527.0	526.0	525.0	522.1	519.2	518.2	517.2	518.2
37.5°	519.2	512.3	508.4	504.5	503.5	501.6	497.7	495.7	494.7	494.7	495.7
40°	493.7	489.8	484.9	480.1	479.1	478.1	474.2	473.2	471.3	470.3	472.2
42.5°	470.3	465.4	460.5	455.6	455.6	454.6	450.7	448.8	446.8	445.8	446.8
45°	444.9	440.0	435.1	431.2	430.2	427.3	425.3	423.4	421.4	420.4	421.4
47.5°	418.5	413.6	409.7	404.8	403.8	402.8	399.9	397.9	395.0	396.0	396.0
50°	393.0	388.2	383.3	379.4	377.4	374.5	374.5	372.5	368.6	367.6	369.6
52.5°	366.6	361.8	356.9	353.0	352.0	349.0	346.1	345.1	343.2	344.2	343.2
55°	340.2	334.4	329.5	326.6	324.6	322.6	320.7	318.7	315.8	317.8	317.8
57.5°	310.9	306.0	303.1	299.2	298.2	297.2	293.3	292.3	289.4	290.4	289.4
60°	284.5	279.6	276.7	272.8	271.8	268.9	266.9	265.9	263.0	265.0	263.0
62.5°	259.1	251.3	247.4	243.5	243.5	241.5	239.5	237.6	234.7	233.7	233.7
65°	229.8	224.9	221.9	218.0	218.0	216.1	214.1	212.2	209.2	208.3	210.2
67.5°	203.4	200.4	195.5	192.6	192.6	190.7	188.7	187.7	184.8	183.8	184.8
70°	178.9	176.0	171.1	168.2	168.2	167.2	164.3	163.3	160.3	159.4	158.4
72.5°	154.5	149.6	147.6	144.7	144.7	143.7	140.8	139.8	136.9	135.9	134.9
75°	130.0	128.1	124.2	122.2	123.2	120.3	119.3	117.3	114.4	113.4	113.4
77.5°	107.5	106.6	102.7	100.7	100.7	98.7	97.8	95.8	94.8	92.9	91.9
80°	88.0	87.0	83.1	81.2	81.2	79.2	77.2	76.3	73.3	71.4	71.4
82.5°	70.4	68.4	65.5	63.6	62.6	61.6	59.6	57.7	54.8	53.8	51.8
85°	52.8	51.8	48.9	47.9	46.0	46.0	44.0	42.0	39.1	38.1	37.2
87.5°	37.2	37.2	34.2	33.2	32.3	31.3	29.3	28.4	25.4	24.4	22.5
90°	23.5	23.5	21.5	20.5	19.6	18.6	17.6	16.6	14.7	13.7	11.7
92.5°	10.8	10.8	9.8	8.8	8.8	8.8	7.8	7.8	6.8	5.9	4.9
95°	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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: P571880

CATALOG NUMBER: 22ID-20-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: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	695.2	695.2	694.2	695.2	694.2	694.2	695.2	695.2	695.2	695.2	695.2
5°	693.2	692.2	692.2	692.2	691.2	692.2	693.2	693.2	693.2	693.2	693.2
7.5°	687.3	687.3	687.3	687.3	687.3	687.3	688.3	688.3	689.3	689.3	690.3
10°	681.5	681.5	681.5	681.5	681.5	682.4	682.4	684.4	684.4	685.4	686.4
12.5°	672.7	672.7	672.7	673.6	673.6	674.6	675.6	676.6	677.6	679.5	679.5
15°	662.9	662.9	662.9	663.9	663.9	664.8	666.8	667.8	669.7	671.7	671.7
17.5°	651.2	651.2	650.2	652.1	652.1	653.1	656.0	657.0	659.0	660.9	661.9
20°	636.5	636.5	636.5	638.4	638.4	640.4	642.4	644.3	647.2	650.2	651.2
22.5°	620.8	620.8	622.8	623.8	623.8	626.7	628.7	631.6	633.6	636.5	638.4
25°	602.3	604.2	604.2	606.2	608.1	609.1	613.0	615.0	617.9	621.8	623.8
27.5°	584.7	585.7	587.6	587.6	589.6	590.5	595.4	596.4	600.3	605.2	607.2
30°	562.2	565.1	565.1	568.1	570.0	572.0	575.9	577.8	581.7	586.6	590.5
32.5°	541.7	544.6	546.5	546.5	549.5	551.4	556.3	558.3	563.2	567.1	572.0
35°	520.1	522.1	524.1	525.0	527.0	529.9	534.8	536.8	541.7	546.5	551.4
37.5°	495.7	499.6	501.6	501.6	503.5	505.5	511.3	514.3	519.2	524.1	528.9
40°	473.2	475.2	477.1	478.1	481.0	482.0	487.9	490.8	494.7	501.6	505.5
42.5°	447.8	449.7	452.7	452.7	453.7	459.5	462.5	465.4	470.3	477.1	483.0
45°	422.4	424.3	427.3	428.2	428.2	433.1	437.0	440.0	444.9	451.7	457.6
47.5°	396.0	397.9	400.9	400.9	401.8	406.7	410.6	413.6	418.5	425.3	430.2
50°	370.6	372.5	374.5	374.5	375.4	377.4	383.3	386.2	391.1	397.9	402.8
52.5°	344.2	345.1	348.1	348.1	348.1	352.0	355.9	358.8	363.7	370.6	373.5
55°	316.8	317.8	320.7	321.7	321.7	325.6	328.5	331.4	335.4	340.2	347.1
57.5°	288.4	291.4	293.3	293.3	295.3	297.2	301.1	302.1	309.0	311.9	316.8
60°	263.0	265.0	266.9	266.9	265.9	269.8	272.8	274.7	277.7	284.5	288.4
62.5°	234.7	235.6	237.6	237.6	238.6	240.5	242.5	246.4	247.4	251.3	259.1
65°	209.2	209.2	210.2	211.2	211.2	213.1	215.1	218.0	219.0	221.9	227.8
67.5°	182.8	183.8	184.8	184.8	184.8	185.8	187.7	190.7	191.6	193.6	198.5
70°	157.4	158.4	159.4	159.4	159.4	159.4	161.3	164.3	164.3	166.2	169.1
72.5°	133.9	133.9	134.9	134.9	134.9	134.9	134.9	137.9	136.9	139.8	141.8
75°	111.5	110.5	110.5	111.5	110.5	110.5	110.5	112.4	112.4	112.4	115.4
77.5°	89.0	89.0	88.0	87.0	87.0	87.0	87.0	88.0	89.0	89.9	89.9
80°	68.4	67.5	67.5	66.5	65.5	65.5	64.5	66.5	64.5	67.5	67.5
82.5°	49.9	48.9	47.9	46.9	46.9	46.0	45.0	46.0	46.0	46.0	47.9
85°	34.2	32.3	32.3	30.3	30.3	29.3	29.3	30.3	29.3	30.3	31.3
87.5°	20.5	19.6	18.6	16.6	16.6	16.6	15.6	16.6	16.6	17.6	18.6
90°	9.8	8.8	7.8	7.8	6.8	6.8	6.8	7.8	7.8	8.8	10.8
92.5°	3.9	2.9	2.9	2.0	2.0	2.0	2.9	3.9	4.9	5.9	6.8
95°	1.0	1.0	1.0	1.0	0.0	1.0	1.0	2.0	2.9	3.9	4.9
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0	2.9
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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: P571880

CATALOG NUMBER: 22ID-20-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: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	695.2	695.2	695.2	695.2	696.1	696.1	696.1	696.1	696.1	696.1	696.1
5°	693.2	694.2	694.2	694.2	694.2	695.2	695.2	695.2	695.2	695.2	694.2
7.5°	690.3	691.2	691.2	691.2	691.2	692.2	692.2	692.2	692.2	692.2	691.2
10°	686.4	686.4	687.3	688.3	688.3	689.3	689.3	690.3	689.3	689.3	688.3
12.5°	680.5	681.5	682.4	682.4	683.4	684.4	684.4	685.4	684.4	684.4	683.4
15°	673.6	674.6	675.6	676.6	677.6	677.6	678.5	678.5	677.6	677.6	676.6
17.5°	664.8	665.8	666.8	667.8	669.7	669.7	670.7	670.7	670.7	669.7	668.8
20°	653.1	655.1	657.0	658.0	659.0	660.9	660.9	660.9	660.9	660.9	660.0
22.5°	641.4	643.3	645.3	646.3	649.2	650.2	650.2	651.2	651.2	650.2	649.2
25°	626.7	629.6	631.6	632.6	635.5	636.5	637.5	637.5	636.5	636.5	634.5
27.5°	612.1	616.0	616.0	617.9	620.8	620.8	623.8	622.8	623.8	621.8	619.9
30°	594.5	598.4	599.3	601.3	603.3	605.2	608.1	608.1	609.1	606.2	604.2
32.5°	576.9	580.8	581.7	583.7	585.7	587.6	590.5	590.5	591.5	589.6	587.6
35°	554.4	561.2	562.2	564.1	567.1	569.0	572.0	572.0	572.9	572.0	568.1
37.5°	532.9	539.7	540.7	543.6	547.5	549.5	551.4	551.4	553.4	550.5	548.5
40°	512.3	517.2	518.2	521.1	526.0	526.0	529.9	529.9	528.9	528.9	526.0
42.5°	487.9	492.8	494.7	497.7	501.6	505.5	507.4	506.5	506.5	508.4	505.5
45°	462.5	468.3	469.3	472.2	476.1	480.1	483.0	482.0	482.0	483.0	479.1
47.5°	436.1	440.9	441.9	445.8	449.7	451.7	456.6	458.5	456.6	457.6	453.7
50°	406.7	413.6	415.5	418.5	423.4	425.3	430.2	432.2	430.2	429.2	426.3
52.5°	381.3	387.2	387.2	391.1	395.0	399.9	402.8	404.8	402.8	401.8	401.8
55°	352.0	357.8	358.8	360.8	365.7	370.6	373.5	376.4	374.5	375.4	373.5
57.5°	322.6	327.5	328.5	331.4	335.4	341.2	343.2	346.1	346.1	345.1	341.2
60°	293.3	298.2	299.2	302.1	305.0	309.0	313.8	316.8	314.8	315.8	310.9
62.5°	264.0	267.9	269.8	270.8	275.7	280.6	282.6	282.6	286.5	285.5	281.6
65°	231.7	235.6	236.6	238.6	242.5	247.4	250.3	250.3	252.3	252.3	248.3
67.5°	202.4	206.3	207.3	208.3	212.2	218.0	219.0	220.0	221.0	221.0	218.0
70°	173.1	177.0	177.9	179.9	181.9	187.7	188.7	189.7	192.6	191.6	188.7
72.5°	145.7	148.6	149.6	150.6	152.5	158.4	159.4	160.3	163.3	163.3	163.3
75°	118.3	121.2	122.2	122.2	125.1	130.0	132.0	133.0	134.9	135.9	135.9
77.5°	92.9	94.8	94.8	95.8	98.7	103.6	105.6	107.5	108.5	109.5	110.5
80°	69.4	71.4	72.4	73.3	75.3	79.2	81.2	84.1	85.1	86.0	87.0
82.5°	48.9	50.8	50.8	52.8	54.8	58.7	60.6	63.6	64.5	66.5	67.5
85°	32.3	35.2	36.2	36.2	39.1	42.0	45.0	46.9	48.9	49.9	51.8
87.5°	20.5	22.5	24.4	25.4	27.4	30.3	32.3	34.2	36.2	38.1	40.1
90°	12.7	14.7	15.6	17.6	19.6	21.5	23.5	26.4	27.4	29.3	31.3
92.5°	8.8	10.8	11.7	11.7	13.7	15.6	17.6	19.6	20.5	21.5	22.5
95°	5.9	7.8	7.8	8.8	9.8	11.7	12.7	13.7	14.7	14.7	14.7
97.5°	3.9	4.9	5.9	5.9	6.8	7.8	8.8	8.8	9.8	9.8	9.8
100°	2.0	2.9	2.9	3.9	3.9	4.9	5.9	5.9	5.9	5.9	5.9
102.5°	1.0	2.0	2.0	2.0	2.9	2.9	2.9	3.9	3.9	3.9	3.9
105°	0.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	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: P571880

CATALOG NUMBER: 22ID-20-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: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2
5°	694.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2
7.5°	691.2	691.2	691.2	690.3	690.3	690.3	690.3	689.3	689.3	688.3	688.3
10°	688.3	687.3	687.3	686.4	686.4	686.4	685.4	685.4	684.4	683.4	683.4
12.5°	682.4	682.4	681.5	681.5	680.5	679.5	678.5	677.6	676.6	676.6	674.6
15°	675.6	674.6	674.6	672.7	672.7	671.7	669.7	668.8	667.8	666.8	664.8
17.5°	667.8	665.8	665.8	664.8	663.9	661.9	660.0	659.0	657.0	656.0	655.1
20°	658.0	657.0	657.0	654.1	652.1	650.2	648.2	646.3	645.3	642.4	640.4
22.5°	647.2	645.3	645.3	643.3	640.4	638.4	634.5	632.6	630.6	627.7	625.7
25°	632.6	630.6	630.6	627.7	624.8	622.8	618.9	616.0	613.0	610.1	610.1
27.5°	617.9	616.0	615.0	612.1	609.1	606.2	602.3	598.4	596.4	593.5	591.5
30°	601.3	599.3	599.3	595.4	592.5	588.6	583.7	579.8	575.9	573.9	572.0
32.5°	584.7	583.7	580.8	577.8	573.9	570.0	564.1	560.2	556.3	553.4	551.4
35°	566.1	565.1	562.2	559.3	554.4	549.5	543.6	539.7	535.8	532.9	529.9
37.5°	545.6	544.6	541.7	536.8	533.8	528.0	522.1	517.2	514.3	510.4	506.5
40°	524.1	522.1	519.2	515.3	511.3	505.5	498.6	494.7	490.8	486.9	483.0
42.5°	500.6	499.6	496.7	490.8	486.9	482.0	475.2	470.3	466.4	461.5	459.5
45°	476.1	476.1	473.2	468.3	462.5	456.6	450.7	445.8	440.9	437.0	433.1
47.5°	450.7	450.7	446.8	442.9	437.0	431.2	424.3	419.4	414.6	411.6	407.7
50°	424.3	423.4	421.4	414.6	410.6	404.8	397.9	394.0	389.1	385.2	381.3
52.5°	397.0	396.0	394.0	387.2	383.3	377.4	370.6	366.6	362.7	357.8	354.9
55°	368.6	367.6	363.7	361.8	354.9	350.0	343.2	340.2	334.4	330.5	327.5
57.5°	338.3	338.3	335.4	331.4	325.6	320.7	314.8	310.9	306.0	303.1	300.2
60°	309.0	309.0	307.0	302.1	297.2	292.3	286.5	283.5	278.6	276.7	273.8
62.5°	279.6	279.6	275.7	272.8	267.9	263.0	258.1	251.3	248.3	245.4	243.5
65°	246.4	246.4	242.5	241.5	236.6	231.7	227.8	225.9	221.9	219.0	216.1
67.5°	217.1	217.1	213.1	212.2	208.3	204.3	199.5	198.5	193.6	192.6	189.7
70°	187.7	188.7	185.8	182.8	179.9	177.0	173.1	170.1	167.2	166.2	164.3
72.5°	159.4	158.4	158.4	156.4	153.5	150.6	147.6	145.7	142.7	141.8	139.8
75°	133.0	132.0	131.0	131.0	128.1	125.1	123.2	122.2	119.3	117.3	116.3
77.5°	107.5	108.5	108.5	106.6	104.6	102.7	101.7	99.7	96.8	95.8	94.8
80°	85.1	86.0	86.0	84.1	83.1	81.2	79.2	79.2	76.3	76.3	75.3
82.5°	65.5	65.5	65.5	65.5	63.6	62.6	62.6	59.6	59.6	58.7	57.7
85°	50.8	50.8	50.8	51.8	50.8	49.9	49.9	47.9	46.9	46.0	45.0
87.5°	41.1	41.1	42.0	42.0	42.0	41.1	41.1	40.1	39.1	37.2	36.2
90°	31.3	32.3	32.3	33.2	33.2	33.2	32.3	31.3	30.3	29.3	28.4
92.5°	23.5	23.5	24.4	24.4	24.4	24.4	24.4	23.5	22.5	22.5	21.5
95°	14.7	15.6	15.6	15.6	16.6	16.6	16.6	16.6	15.6	14.7	14.7
97.5°	9.8	8.8	8.8	8.8	8.8	9.8	9.8	9.8	8.8	8.8	8.8
100°	5.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9
102.5°	2.9	2.9	2.9	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.9
105°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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: P571880

CATALOG NUMBER: 22ID-20-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: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	695.2	695.2	695.2	695.2	695.2	696.1	695.2	696.1	695.2	695.2	695.2
5°	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	692.2
7.5°	688.3	688.3	688.3	688.3	688.3	688.3	688.3	688.3	688.3	688.3	688.3
10°	683.4	683.4	683.4	682.4	683.4	683.4	682.4	683.4	682.4	683.4	683.4
12.5°	675.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	675.6
15°	665.8	665.8	664.8	664.8	663.9	663.9	663.9	663.9	664.8	664.8	665.8
17.5°	654.1	654.1	654.1	652.1	653.1	651.2	652.1	652.1	653.1	653.1	654.1
20°	640.4	639.4	639.4	638.4	637.5	637.5	638.4	638.4	640.4	640.4	641.4
22.5°	625.7	624.8	624.8	622.8	621.8	621.8	622.8	623.8	625.7	624.8	626.7
25°	608.1	607.2	607.2	604.2	606.2	605.2	604.2	606.2	607.2	607.2	609.1
27.5°	589.6	588.6	587.6	586.6	586.6	586.6	585.7	585.7	588.6	588.6	590.5
30°	570.0	569.0	568.1	567.1	566.1	566.1	565.1	566.1	568.1	570.0	571.0
32.5°	549.5	548.5	545.6	545.6	545.6	544.6	544.6	545.6	547.5	548.5	550.5
35°	527.0	526.0	524.1	522.1	523.1	523.1	522.1	524.1	526.0	528.9	528.9
37.5°	504.5	503.5	501.6	501.6	499.6	499.6	498.6	499.6	503.5	504.5	506.5
40°	480.1	480.1	478.1	476.1	476.1	476.1	475.2	476.1	478.1	483.0	483.0
42.5°	456.6	455.6	452.7	451.7	450.7	450.7	450.7	452.7	452.7	458.5	458.5
45°	431.2	430.2	427.3	426.3	426.3	425.3	425.3	427.3	428.2	433.1	433.1
47.5°	404.8	403.8	400.9	400.9	400.9	399.9	398.9	400.9	402.8	406.7	407.7
50°	379.4	377.4	375.4	374.5	373.5	373.5	372.5	375.4	377.4	381.3	380.3
52.5°	352.0	352.0	350.0	348.1	348.1	348.1	347.1	350.0	350.0	353.9	354.9
55°	325.6	323.6	322.6	321.7	320.7	320.7	320.7	322.6	322.6	327.5	327.5
57.5°	297.2	297.2	294.3	294.3	294.3	293.3	293.3	294.3	296.2	300.2	300.2
60°	270.8	270.8	266.9	267.9	266.9	266.9	266.9	267.9	268.9	272.8	272.8
62.5°	241.5	239.5	238.6	237.6	237.6	237.6	238.6	238.6	239.5	243.5	243.5
65°	215.1	213.1	212.2	212.2	211.2	211.2	211.2	212.2	213.1	216.1	216.1
67.5°	188.7	186.7	185.8	185.8	184.8	185.8	185.8	185.8	186.7	189.7	189.7
70°	163.3	162.3	159.4	160.3	159.4	160.3	160.3	159.4	160.3	163.3	163.3
72.5°	138.8	137.9	135.9	135.9	134.9	134.9	133.9	133.9	134.9	137.9	137.9
75°	115.4	113.4	112.4	112.4	111.5	109.5	111.5	110.5	110.5	113.4	113.4
77.5°	94.8	93.9	92.9	90.9	89.9	89.0	89.0	88.0	88.0	89.9	89.0
80°	74.3	72.4	71.4	71.4	70.4	69.4	68.4	67.5	67.5	68.4	68.4
82.5°	56.7	55.7	54.8	54.8	52.8	51.8	51.8	49.9	50.8	49.9	50.8
85°	45.0	43.0	42.0	41.1	40.1	38.1	38.1	36.2	36.2	35.2	35.2
87.5°	35.2	35.2	32.3	31.3	30.3	28.4	26.4	25.4	25.4	23.5	23.5
90°	27.4	27.4	25.4	24.4	22.5	20.5	19.6	17.6	16.6	15.6	14.7
92.5°	20.5	20.5	18.6	17.6	16.6	15.6	14.7	13.7	12.7	10.8	10.8
95°	14.7	13.7	12.7	12.7	11.7	11.7	10.8	9.8	8.8	7.8	7.8
97.5°	8.8	8.8	8.8	8.8	8.8	7.8	6.8	6.8	5.9	4.9	4.9
100°	4.9	4.9	4.9	5.9	4.9	4.9	4.9	3.9	3.9	2.9	2.9
102.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0
105°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
107.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	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: P571880

CATALOG NUMBER: 22ID-20-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: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	696.1
5°	693.2	693.2	693.2	693.2	694.2	694.2	694.2	694.2	694.2	694.2	694.2
7.5°	688.3	688.3	689.3	689.3	690.3	690.3	690.3	691.2	691.2	691.2	691.2
10°	683.4	683.4	684.4	685.4	685.4	686.4	686.4	687.3	687.3	688.3	688.3
12.5°	675.6	675.6	677.6	678.5	678.5	679.5	680.5	681.5	681.5	682.4	682.4
15°	665.8	666.8	667.8	669.7	670.7	672.7	672.7	674.6	675.6	675.6	676.6
17.5°	654.1	656.0	658.0	659.0	660.9	662.9	663.9	665.8	667.8	667.8	668.8
20°	641.4	643.3	646.3	647.2	649.2	652.1	653.1	655.1	657.0	659.0	659.0
22.5°	627.7	629.6	631.6	634.5	636.5	639.4	641.4	644.3	647.2	647.2	649.2
25°	610.1	613.0	616.0	617.9	620.8	624.8	627.7	629.6	633.6	634.5	635.5
27.5°	591.5	594.5	598.4	600.3	604.2	608.1	612.1	616.0	618.9	619.9	621.8
30°	572.0	574.9	578.8	582.7	586.6	591.5	595.4	599.3	604.2	604.2	606.2
32.5°	552.4	556.3	560.2	563.2	567.1	572.9	577.8	581.7	585.7	587.6	589.6
35°	530.9	535.8	539.7	542.6	547.5	553.4	558.3	562.2	567.1	569.0	572.0
37.5°	507.4	511.3	517.2	521.1	528.0	530.9	536.8	540.7	547.5	549.5	551.4
40°	484.9	487.9	493.7	497.7	502.5	509.4	514.3	521.1	526.0	527.0	529.9
42.5°	459.5	465.4	469.3	473.2	478.1	484.9	489.8	496.7	503.5	504.5	507.4
45°	435.1	440.0	443.9	448.8	453.7	460.5	467.3	473.2	478.1	480.1	483.0
47.5°	408.7	414.6	418.5	424.3	430.2	435.1	441.9	447.8	452.7	453.7	457.6
50°	383.3	388.2	391.1	396.0	403.8	408.7	413.6	421.4	425.3	428.2	430.2
52.5°	356.9	359.8	364.7	371.5	376.4	382.3	386.2	393.0	397.9	399.9	403.8
55°	330.5	334.4	336.3	341.2	349.0	352.0	359.8	363.7	370.6	370.6	372.5
57.5°	301.1	306.0	309.0	315.8	320.7	324.6	329.5	335.4	340.2	341.2	344.2
60°	274.7	278.6	281.6	288.4	292.3	296.2	301.1	307.0	310.9	311.9	315.8
62.5°	246.4	248.3	251.3	259.1	261.1	265.9	272.8	276.7	281.6	282.6	284.5
65°	219.0	221.9	222.9	228.8	230.7	234.7	241.5	245.4	248.3	250.3	250.3
67.5°	191.6	193.6	196.5	201.4	202.4	206.3	212.2	216.1	219.0	221.0	221.0
70°	163.3	166.2	169.1	174.0	174.0	178.9	182.8	186.7	190.7	191.6	192.6
72.5°	137.9	140.8	142.7	146.7	147.6	151.5	155.5	159.4	162.3	163.3	165.2
75°	114.4	115.4	116.3	120.3	121.2	127.1	129.1	132.0	134.9	135.9	135.9
77.5°	90.9	91.9	92.9	95.8	97.8	100.7	102.7	105.6	108.5	107.5	111.5
80°	69.4	69.4	70.4	73.3	75.3	77.2	79.2	81.2	83.1	84.1	87.0
82.5°	50.8	49.9	49.9	52.8	53.8	53.8	56.7	58.7	60.6	62.6	61.6
85°	35.2	34.2	34.2	35.2	35.2	37.2	38.1	39.1	41.1	42.0	42.0
87.5°	22.5	21.5	20.5	21.5	20.5	21.5	22.5	23.5	24.4	25.4	26.4
90°	14.7	12.7	11.7	11.7	10.8	10.8	10.8	10.8	11.7	11.7	12.7
92.5°	9.8	8.8	7.8	6.8	5.9	4.9	3.9	3.9	4.9	4.9	4.9
95°	6.8	5.9	4.9	3.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0
97.5°	4.9	3.9	2.9	2.9	2.0	1.0	1.0	0.0	0.0	0.0	0.0
100°	2.9	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.0	1.0	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: P571880

CATALOG NUMBER: 22ID-20-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: P571880

CATALOG NUMBER: 22ID-20-L830-SWD

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	696.1	696.1	696.1	696.1
2.5°	695.2	695.2	696.1	695.2
5°	694.2	694.2	695.2	694.2
7.5°	691.2	691.2	691.2	691.2
10°	688.3	688.3	689.3	688.3
12.5°	683.4	684.4	684.4	684.4
15°	677.6	677.6	677.6	677.6
17.5°	668.8	669.7	671.7	670.7
20°	660.0	660.9	662.9	661.9
22.5°	650.2	651.2	652.1	651.2
25°	637.5	638.4	639.4	639.4
27.5°	623.8	626.7	626.7	625.7
30°	608.1	612.1	613.0	612.1
32.5°	591.5	595.4	596.4	595.4
35°	574.9	576.9	579.8	578.8
37.5°	553.4	557.3	560.2	560.2
40°	532.9	537.7	539.7	539.7
42.5°	512.3	514.3	517.2	517.2
45°	487.9	490.8	493.7	494.7
47.5°	461.5	465.4	467.3	468.3
50°	435.1	439.0	440.9	441.9
52.5°	408.7	410.6	413.6	414.6
55°	378.4	381.3	384.2	385.2
57.5°	348.1	352.0	353.9	354.9
60°	317.8	322.6	324.6	324.6
62.5°	288.4	291.4	293.3	292.3
65°	258.1	261.1	262.0	262.0
67.5°	224.9	228.8	229.8	229.8
70°	195.5	198.5	200.4	199.5
72.5°	167.2	170.1	171.1	171.1
75°	139.8	141.8	142.7	143.7
77.5°	112.4	115.4	116.3	118.3
80°	87.0	89.9	91.9	93.9
82.5°	64.5	66.5	69.4	70.4
85°	44.0	46.9	48.9	49.9
87.5°	27.4	29.3	31.3	33.2
90°	13.7	15.6	17.6	19.6
92.5°	5.9	6.8	7.8	9.8
95°	2.0	2.0	2.9	2.9
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: P571880

CATALOG NUMBER: 22ID-20-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: P571880
CATALOG NUMBER: 22ID-20-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	13.75	15.38	14.13	15.70	16.03	12.63	14.25	13.00	14.58	14.91
	3H	15.48	16.95	15.87	17.29	17.66	14.22	15.69	14.61	16.03	16.40
	4H	16.13	17.51	16.54	17.87	18.26	14.81	16.19	15.21	16.55	16.94
	6H	16.61	17.90	17.03	18.27	18.68	15.25	16.53	15.66	16.90	17.31
	8H	16.78	18.01	17.21	18.41	18.82	15.38	16.61	15.82	17.01	17.42
	12H	16.90	18.08	17.34	18.47	18.91	15.49	16.66	15.92	17.05	17.50
4H	2H	14.20	15.59	14.61	15.95	16.34	13.26	14.65	13.67	15.00	15.39
	3H	16.15	17.31	16.57	17.72	18.13	15.06	16.22	15.47	16.63	17.04
	4H	16.93	17.98	17.37	18.40	18.85	15.76	16.82	16.20	17.24	17.69
	6H	17.55	18.47	18.01	18.92	19.39	16.31	17.23	16.77	17.68	18.15
	8H	17.77	18.64	18.24	19.09	19.56	16.49	17.36	16.96	17.81	18.28
	12H	17.95	18.73	18.44	19.21	19.69	16.64	17.42	17.12	17.90	18.38
8H	4H	17.14	18.01	17.61	18.46	18.93	16.07	16.93	16.54	17.39	17.86
	6H	17.88	18.60	18.38	19.09	19.58	16.73	17.45	17.23	17.94	18.43
	8H	18.17	18.82	18.69	19.33	19.83	16.98	17.62	17.49	18.14	18.64
	12H	18.43	19.01	18.95	19.51	20.08	17.19	17.77	17.71	18.27	18.84
12H	4H	17.16	17.93	17.64	18.42	18.90	16.11	16.89	16.59	17.37	17.85
	6H	17.91	18.56	18.42	19.07	19.57	16.79	17.44	17.30	17.95	18.45
	8H	18.26	18.83	18.77	19.33	19.90	17.09	17.67	17.61	18.17	18.74