

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: P571896

Luminaire Tested: 22ID-25-L830-SWD

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571896
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-25-L830-SWD
Description: 2500 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: 2500.0 lumens
Efficiency: N/A
Efficacy: 121.4 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

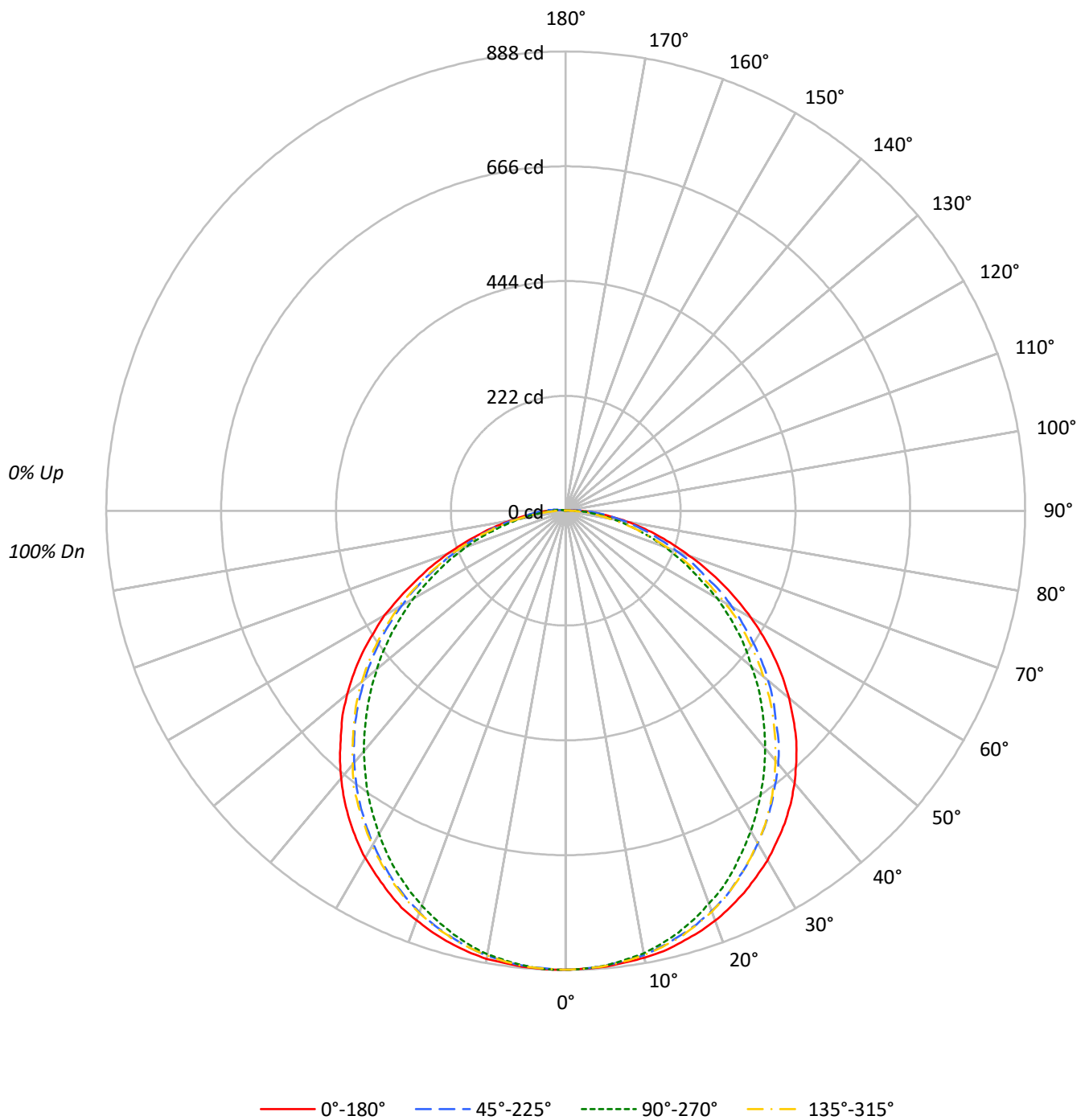
Input Watts (W): 20.6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	60
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	56	52
5	76	63	54	47	74	62	53	47	60	52	46	57	51	46	56	50	45
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40
7	65	51	43	36	63	51	42	36	49	41	36	47	41	36	46	40	35
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2388	2388	2388	2388
5°	2373	2367	2377	2370
10°	2363	2340	2370	2346
15°	2354	2299	2357	2306
20°	2345	2248	2342	2259
25°	2330	2191	2323	2205
30°	2313	2121	2298	2140
35°	2290	2047	2263	2070
40°	2259	1968	2218	1993
45°	2216	1883	2159	1905
50°	2146	1785	2098	1813
55°	2059	1698	2012	1714
60°	1946	1589	1900	1600
65°	1804	1434	1724	1454
70°	1628	1301	1548	1309
75°	1453	1147	1344	1107
80°	1260	958	1128	931
85°	1006	768	946	768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	3.4
10°-20°	241.0	9.6
20°-30°	364.1	14.6
30°-40°	435.5	17.4
40°-50°	445.5	17.8
50°-60°	394.3	15.8
60°-70°	292.1	11.7
70°-80°	168.4	6.7
80°-90°	62.6	2.5
90°-100°	11.4	0.5
100°-110°	0.9	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°	689.2	27.6
0°-40°	1124.7	45.0
0°-60°	1964.5	78.6
0°-90°	2487.6	99.5
90°-120°	12.4	0.5
90°-150°	12.4	0.5
90°-180°	12.0	0.5
0°-180°	2500.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	888	888	888	888	888	
5°	885	882	886	884	885	84
15°	864	844	865	846	864	244
25°	815	767	813	772	815	376
35°	738	659	729	667	738	461
45°	631	536	614	542	631	485
55°	491	405	480	409	491	438
65°	334	266	319	269	334	330
75°	183	145	170	140	183	195
85°	64	49	60	49	64	64
90°	25	18	34	26	25	14
95°	4	2	18	15	4	3
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	886.2	887.5	886.2	886.2	886.2	886.2	885.0	885.0	886.2	886.2	886.2
5°	885.0	885.0	883.7	883.7	883.7	883.7	882.5	882.5	883.7	883.7	882.5
7.5°	881.2	881.2	881.2	880.0	878.7	880.0	878.7	878.7	878.7	878.7	877.5
10°	877.5	877.5	877.5	877.5	875.0	875.0	873.8	873.8	872.5	872.5	872.5
12.5°	872.5	872.5	871.3	870.0	868.8	868.8	867.5	866.3	865.0	863.8	862.5
15°	863.8	863.8	863.8	861.3	860.1	858.8	858.8	857.6	855.1	853.8	851.3
17.5°	855.1	855.1	853.8	851.3	850.1	848.8	847.6	846.3	843.8	841.4	838.9
20°	843.8	843.8	842.6	840.1	837.6	836.4	836.4	833.9	828.9	826.4	823.9
22.5°	830.1	831.4	830.1	827.6	825.2	822.7	822.7	817.7	813.9	811.4	807.7
25°	815.2	815.2	813.9	811.4	807.7	805.2	805.2	799.0	796.5	792.7	786.5
27.5°	797.7	797.7	796.5	794.0	791.5	787.8	786.5	780.3	776.5	772.8	765.3
30°	780.3	779.0	779.0	774.0	771.6	767.8	766.6	759.1	755.3	750.4	742.9
32.5°	759.1	759.1	759.1	752.9	750.4	746.6	745.4	737.9	732.9	726.7	719.2
35°	737.9	736.7	734.2	730.4	726.7	722.9	721.7	714.2	709.2	701.8	693.0
37.5°	714.2	711.7	710.5	706.7	703.0	696.8	696.8	689.3	683.1	675.6	665.6
40°	688.0	685.5	684.3	679.3	675.6	670.6	669.3	661.9	653.1	646.9	639.4
42.5°	659.4	656.9	654.4	653.1	646.9	641.9	640.7	632.0	623.2	617.0	609.5
45°	630.7	627.0	624.5	622.0	615.7	610.8	609.5	599.5	592.1	585.8	574.6
47.5°	597.0	594.6	590.8	585.8	583.3	577.1	577.1	567.1	559.7	552.2	544.7
50°	563.4	559.7	557.2	552.2	548.4	543.5	539.7	533.5	526.0	518.5	511.0
52.5°	528.5	524.8	523.5	519.8	513.5	508.6	504.8	499.8	491.1	483.6	477.4
55°	491.1	489.9	484.9	483.6	477.4	472.4	469.9	462.4	455.0	448.7	441.2
57.5°	452.5	448.7	448.7	445.0	440.0	433.8	433.8	425.0	418.8	412.6	405.1
60°	413.8	411.3	411.3	405.1	402.6	397.6	397.6	387.6	382.7	376.4	371.4
62.5°	372.7	375.2	368.9	368.9	364.0	360.2	359.0	352.7	346.5	341.5	336.5
65°	334.0	335.3	331.6	330.3	322.8	319.1	317.8	312.9	307.9	302.9	295.4
67.5°	292.9	294.2	292.9	290.4	286.7	282.9	281.7	276.7	273.0	268.0	265.5
70°	254.3	254.3	255.5	254.3	250.5	248.0	248.0	241.8	238.1	234.3	228.1
72.5°	218.1	220.6	219.4	219.4	215.6	213.1	213.1	208.2	205.7	201.9	196.9
75°	183.2	184.5	185.7	184.5	182.0	180.7	179.5	177.0	174.5	172.0	167.0
77.5°	150.8	152.1	152.1	152.1	150.8	150.8	148.3	145.8	144.6	143.3	139.6
80°	119.7	120.9	122.2	122.2	120.9	119.7	119.7	118.4	118.4	117.2	115.9
82.5°	89.7	92.2	93.5	94.7	94.7	96.0	94.7	93.5	93.5	92.2	91.0
85°	63.6	66.1	68.6	69.8	71.0	71.0	71.0	71.0	71.0	71.0	68.6
87.5°	42.4	44.9	47.4	48.6	49.9	49.9	49.9	49.9	49.9	49.9	48.6
90°	24.9	27.4	28.7	29.9	31.2	29.9	31.2	31.2	32.4	32.4	31.2
92.5°	12.5	13.7	13.7	15.0	15.0	15.0	15.0	15.0	15.0	16.2	15.0
95°	3.7	3.7	5.0	5.0	5.0	5.0	3.7	3.7	2.5	2.5	1.2
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-25-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

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CATALOG NUMBER: 22ID-25-L830-SWD

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	885.0	885.0	885.0	885.0	885.0	885.0	885.0	886.2	886.2	886.2	886.2
5°	882.5	882.5	881.2	882.5	882.5	881.2	882.5	882.5	882.5	882.5	883.7
7.5°	877.5	877.5	876.3	876.3	876.3	876.3	876.3	875.0	876.3	876.3	876.3
10°	870.0	870.0	868.8	868.8	868.8	868.8	867.5	867.5	868.8	868.8	868.8
12.5°	861.3	860.1	858.8	858.8	857.6	857.6	857.6	857.6	857.6	857.6	857.6
15°	850.1	848.8	847.6	846.3	846.3	846.3	843.8	845.1	843.8	843.8	845.1
17.5°	837.6	835.1	832.6	831.4	831.4	831.4	828.9	828.9	827.6	827.6	828.9
20°	820.2	818.9	815.2	813.9	813.9	812.7	810.2	810.2	810.2	808.9	811.4
22.5°	804.0	801.5	796.5	795.2	795.2	794.0	790.2	790.2	790.2	790.2	790.2
25°	782.8	780.3	776.5	772.8	772.8	771.6	767.8	767.8	766.6	766.6	767.8
27.5°	760.3	757.8	752.9	749.1	749.1	747.9	744.1	744.1	741.6	740.4	742.9
30°	736.7	734.2	729.2	725.4	724.2	722.9	719.2	719.2	715.5	715.5	718.0
32.5°	715.5	709.2	703.0	699.3	698.0	696.8	693.0	691.8	689.3	688.0	689.3
35°	689.3	680.6	676.8	671.8	670.6	669.3	665.6	661.9	660.6	659.4	660.6
37.5°	661.9	653.1	648.2	643.2	641.9	639.4	634.4	632.0	630.7	630.7	632.0
40°	629.5	624.5	618.2	612.0	610.8	609.5	604.5	603.3	600.8	599.5	602.0
42.5°	599.5	593.3	587.1	580.8	580.8	579.6	574.6	572.1	569.6	568.4	569.6
45°	567.1	560.9	554.7	549.7	548.4	544.7	542.2	539.7	537.2	536.0	537.2
47.5°	533.5	527.2	522.3	516.0	514.8	513.5	509.8	507.3	503.6	504.8	504.8
50°	501.1	494.8	488.6	483.6	481.1	477.4	477.4	474.9	469.9	468.7	471.2
52.5°	467.4	461.2	455.0	450.0	448.7	445.0	441.2	440.0	437.5	438.8	437.5
55°	433.8	426.3	420.1	416.3	413.8	411.3	408.8	406.3	402.6	405.1	405.1
57.5°	396.4	390.1	386.4	381.4	380.2	378.9	373.9	372.7	368.9	370.2	368.9
60°	362.7	356.5	352.7	347.8	346.5	342.8	340.3	339.0	335.3	337.8	335.3
62.5°	330.3	320.3	315.4	310.4	310.4	307.9	305.4	302.9	299.1	297.9	297.9
65°	292.9	286.7	282.9	278.0	278.0	275.5	273.0	270.5	266.7	265.5	268.0
67.5°	259.3	255.5	249.3	245.6	245.6	243.1	240.6	239.3	235.6	234.3	235.6
70°	228.1	224.4	218.1	214.4	214.4	213.1	209.4	208.2	204.4	203.2	201.9
72.5°	196.9	190.7	188.2	184.5	184.5	183.2	179.5	178.2	174.5	173.3	172.0
75°	165.8	163.3	158.3	155.8	157.1	153.3	152.1	149.6	145.8	144.6	144.6
77.5°	137.1	135.9	130.9	128.4	128.4	125.9	124.6	122.2	120.9	118.4	117.2
80°	112.2	110.9	105.9	103.5	103.5	101.0	98.5	97.2	93.5	91.0	91.0
82.5°	89.7	87.3	83.5	81.0	79.8	78.5	76.0	73.5	69.8	68.6	66.1
85°	67.3	66.1	62.3	61.1	58.6	58.6	56.1	53.6	49.9	48.6	47.4
87.5°	47.4	47.4	43.6	42.4	41.1	39.9	37.4	36.1	32.4	31.2	28.7
90°	29.9	29.9	27.4	26.2	24.9	23.7	22.4	21.2	18.7	17.5	15.0
92.5°	13.7	13.7	12.5	11.2	11.2	11.2	10.0	10.0	8.7	7.5	6.2
95°	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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

TEST NUMBER: P571896

CATALOG NUMBER: 22ID-25-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: P571896

CATALOG NUMBER: 22ID-25-L830-SWD

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	886.2	886.2	885.0	886.2	885.0	885.0	886.2	886.2	886.2	886.2	886.2
5°	883.7	882.5	882.5	882.5	881.2	882.5	883.7	883.7	883.7	883.7	883.7
7.5°	876.3	876.3	876.3	876.3	876.3	876.3	877.5	877.5	878.7	878.7	880.0
10°	868.8	868.8	868.8	868.8	868.8	870.0	870.0	872.5	872.5	873.8	875.0
12.5°	857.6	857.6	857.6	858.8	858.8	860.1	861.3	862.5	863.8	866.3	866.3
15°	845.1	845.1	845.1	846.3	846.3	847.6	850.1	851.3	853.8	856.3	856.3
17.5°	830.1	830.1	828.9	831.4	831.4	832.6	836.4	837.6	840.1	842.6	843.8
20°	811.4	811.4	811.4	813.9	813.9	816.4	818.9	821.4	825.2	828.9	830.1
22.5°	791.5	791.5	794.0	795.2	795.2	799.0	801.5	805.2	807.7	811.4	813.9
25°	767.8	770.3	770.3	772.8	775.3	776.5	781.5	784.0	787.8	792.7	795.2
27.5°	745.4	746.6	749.1	749.1	751.6	752.9	759.1	760.3	765.3	771.6	774.0
30°	716.7	720.4	720.4	724.2	726.7	729.2	734.2	736.7	741.6	747.9	752.9
32.5°	690.5	694.3	696.8	696.8	700.5	703.0	709.2	711.7	718.0	722.9	729.2
35°	663.1	665.6	668.1	669.3	671.8	675.6	681.8	684.3	690.5	696.8	703.0
37.5°	632.0	636.9	639.4	639.4	641.9	644.4	651.9	655.6	661.9	668.1	674.3
40°	603.3	605.8	608.3	609.5	613.3	614.5	622.0	625.7	630.7	639.4	644.4
42.5°	570.9	573.4	577.1	577.1	578.4	585.8	589.6	593.3	599.5	608.3	615.7
45°	538.5	541.0	544.7	545.9	545.9	552.2	557.2	560.9	567.1	575.9	583.3
47.5°	504.8	507.3	511.0	511.0	512.3	518.5	523.5	527.2	533.5	542.2	548.4
50°	472.4	474.9	477.4	477.4	478.6	481.1	488.6	492.3	498.6	507.3	513.5
52.5°	438.8	440.0	443.7	443.7	443.7	448.7	453.7	457.4	463.7	472.4	476.1
55°	403.9	405.1	408.8	410.1	410.1	415.1	418.8	422.5	427.5	433.8	442.5
57.5°	367.7	371.4	373.9	373.9	376.4	378.9	383.9	385.2	393.9	397.6	403.9
60°	335.3	337.8	340.3	340.3	339.0	344.0	347.8	350.3	354.0	362.7	367.7
62.5°	299.1	300.4	302.9	302.9	304.1	306.6	309.1	314.1	315.4	320.3	330.3
65°	266.7	266.7	268.0	269.2	269.2	271.7	274.2	278.0	279.2	282.9	290.4
67.5°	233.1	234.3	235.6	235.6	235.6	236.8	239.3	243.1	244.3	246.8	253.0
70°	200.7	201.9	203.2	203.2	203.2	203.2	205.7	209.4	209.4	211.9	215.6
72.5°	170.8	170.8	172.0	172.0	172.0	172.0	172.0	175.7	174.5	178.2	180.7
75°	142.1	140.8	140.8	142.1	140.8	140.8	140.8	143.3	143.3	143.3	147.1
77.5°	113.4	113.4	112.2	110.9	110.9	110.9	110.9	112.2	113.4	114.7	114.7
80°	87.3	86.0	86.0	84.8	83.5	83.5	82.3	84.8	82.3	86.0	86.0
82.5°	63.6	62.3	61.1	59.8	59.8	58.6	57.3	58.6	58.6	58.6	61.1
85°	43.6	41.1	41.1	38.6	38.6	37.4	37.4	38.6	37.4	38.6	39.9
87.5°	26.2	24.9	23.7	21.2	21.2	21.2	19.9	21.2	21.2	22.4	23.7
90°	12.5	11.2	10.0	10.0	8.7	8.7	8.7	10.0	10.0	11.2	13.7
92.5°	5.0	3.7	3.7	2.5	2.5	2.5	3.7	5.0	6.2	7.5	8.7
95°	1.2	1.2	1.2	1.2	0.0	1.2	1.2	2.5	3.7	5.0	6.2
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5	2.5	3.7
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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: P571896

CATALOG NUMBER: 22ID-25-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: P571896

CATALOG NUMBER: 22ID-25-L830-SWD

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	886.2	886.2	886.2	886.2	887.5	887.5	887.5	887.5	887.5	887.5	887.5
5°	883.7	885.0	885.0	885.0	885.0	886.2	886.2	886.2	886.2	886.2	885.0
7.5°	880.0	881.2	881.2	881.2	881.2	882.5	882.5	882.5	882.5	882.5	881.2
10°	875.0	875.0	876.3	877.5	877.5	878.7	878.7	880.0	878.7	878.7	877.5
12.5°	867.5	868.8	870.0	870.0	871.3	872.5	872.5	873.8	872.5	872.5	871.3
15°	858.8	860.1	861.3	862.5	863.8	863.8	865.0	865.0	863.8	863.8	862.5
17.5°	847.6	848.8	850.1	851.3	853.8	853.8	855.1	855.1	855.1	853.8	852.6
20°	832.6	835.1	837.6	838.9	840.1	842.6	842.6	842.6	842.6	842.6	841.4
22.5°	817.7	820.2	822.7	823.9	827.6	828.9	828.9	830.1	830.1	828.9	827.6
25°	799.0	802.7	805.2	806.5	810.2	811.4	812.7	812.7	811.4	811.4	808.9
27.5°	780.3	785.3	785.3	787.8	791.5	791.5	795.2	794.0	795.2	792.7	790.2
30°	757.8	762.8	764.1	766.6	769.1	771.6	775.3	775.3	776.5	772.8	770.3
32.5°	735.4	740.4	741.6	744.1	746.6	749.1	752.9	752.9	754.1	751.6	749.1
35°	706.7	715.5	716.7	719.2	722.9	725.4	729.2	729.2	730.4	729.2	724.2
37.5°	679.3	688.0	689.3	693.0	698.0	700.5	703.0	703.0	705.5	701.8	699.3
40°	653.1	659.4	660.6	664.4	670.6	670.6	675.6	675.6	674.3	674.3	670.6
42.5°	622.0	628.2	630.7	634.4	639.4	644.4	646.9	645.7	645.7	648.2	644.4
45°	589.6	597.0	598.3	602.0	607.0	612.0	615.7	614.5	614.5	615.7	610.8
47.5°	555.9	562.1	563.4	568.4	573.4	575.9	582.1	584.6	582.1	583.3	578.4
50°	518.5	527.2	529.7	533.5	539.7	542.2	548.4	550.9	548.4	547.2	543.5
52.5°	486.1	493.6	493.6	498.6	503.6	509.8	513.5	516.0	513.5	512.3	512.3
55°	448.7	456.2	457.4	459.9	466.2	472.4	476.1	479.9	477.4	478.6	476.1
57.5°	411.3	417.6	418.8	422.5	427.5	435.0	437.5	441.2	441.2	440.0	435.0
60°	373.9	380.2	381.4	385.2	388.9	393.9	400.1	403.9	401.4	402.6	396.4
62.5°	336.5	341.5	344.0	345.3	351.5	357.7	360.2	360.2	365.2	364.0	359.0
65°	295.4	300.4	301.6	304.1	309.1	315.4	319.1	319.1	321.6	321.6	316.6
67.5°	258.0	263.0	264.2	265.5	270.5	278.0	279.2	280.5	281.7	281.7	278.0
70°	220.6	225.6	226.9	229.3	231.8	239.3	240.6	241.8	245.6	244.3	240.6
72.5°	185.7	189.5	190.7	192.0	194.4	201.9	203.2	204.4	208.2	208.2	208.2
75°	150.8	154.6	155.8	155.8	159.5	165.8	168.3	169.5	172.0	173.3	173.3
77.5°	118.4	120.9	120.9	122.2	125.9	132.1	134.6	137.1	138.4	139.6	140.8
80°	88.5	91.0	92.2	93.5	96.0	101.0	103.5	107.2	108.4	109.7	110.9
82.5°	62.3	64.8	64.8	67.3	69.8	74.8	77.3	81.0	82.3	84.8	86.0
85°	41.1	44.9	46.1	46.1	49.9	53.6	57.3	59.8	62.3	63.6	66.1
87.5°	26.2	28.7	31.2	32.4	34.9	38.6	41.1	43.6	46.1	48.6	51.1
90°	16.2	18.7	19.9	22.4	24.9	27.4	29.9	33.7	34.9	37.4	39.9
92.5°	11.2	13.7	15.0	15.0	17.5	19.9	22.4	24.9	26.2	27.4	28.7
95°	7.5	10.0	10.0	11.2	12.5	15.0	16.2	17.5	18.7	18.7	18.7
97.5°	5.0	6.2	7.5	7.5	8.7	10.0	11.2	11.2	12.5	12.5	12.5
100°	2.5	3.7	3.7	5.0	5.0	6.2	7.5	7.5	7.5	7.5	7.5
102.5°	1.2	2.5	2.5	2.5	3.7	3.7	3.7	5.0	5.0	5.0	5.0
105°	0.0	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	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: P571896

CATALOG NUMBER: 22ID-25-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: P571896

CATALOG NUMBER: 22ID-25-L830-SWD

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2
5°	885.0	883.7	883.7	883.7	883.7	883.7	883.7	883.7	883.7	883.7	883.7
7.5°	881.2	881.2	881.2	880.0	880.0	880.0	880.0	878.7	878.7	877.5	877.5
10°	877.5	876.3	876.3	875.0	875.0	875.0	873.8	873.8	872.5	871.3	871.3
12.5°	870.0	870.0	868.8	868.8	867.5	866.3	865.0	863.8	862.5	862.5	860.1
15°	861.3	860.1	860.1	857.6	857.6	856.3	853.8	852.6	851.3	850.1	847.6
17.5°	851.3	848.8	848.8	847.6	846.3	843.8	841.4	840.1	837.6	836.4	835.1
20°	838.9	837.6	837.6	833.9	831.4	828.9	826.4	823.9	822.7	818.9	816.4
22.5°	825.2	822.7	822.7	820.2	816.4	813.9	808.9	806.5	804.0	800.2	797.7
25°	806.5	804.0	804.0	800.2	796.5	794.0	789.0	785.3	781.5	777.8	777.8
27.5°	787.8	785.3	784.0	780.3	776.5	772.8	767.8	762.8	760.3	756.6	754.1
30°	766.6	764.1	764.1	759.1	755.3	750.4	744.1	739.1	734.2	731.7	729.2
32.5°	745.4	744.1	740.4	736.7	731.7	726.7	719.2	714.2	709.2	705.5	703.0
35°	721.7	720.4	716.7	713.0	706.7	700.5	693.0	688.0	683.1	679.3	675.6
37.5°	695.5	694.3	690.5	684.3	680.6	673.1	665.6	659.4	655.6	650.6	645.7
40°	668.1	665.6	661.9	656.9	651.9	644.4	635.7	630.7	625.7	620.7	615.7
42.5°	638.2	636.9	633.2	625.7	620.7	614.5	605.8	599.5	594.6	588.3	585.8
45°	607.0	607.0	603.3	597.0	589.6	582.1	574.6	568.4	562.1	557.2	552.2
47.5°	574.6	574.6	569.6	564.6	557.2	549.7	541.0	534.7	528.5	524.8	519.8
50°	541.0	539.7	537.2	528.5	523.5	516.0	507.3	502.3	496.1	491.1	486.1
52.5°	506.1	504.8	502.3	493.6	488.6	481.1	472.4	467.4	462.4	456.2	452.5
55°	469.9	468.7	463.7	461.2	452.5	446.2	437.5	433.8	426.3	421.3	417.6
57.5°	431.3	431.3	427.5	422.5	415.1	408.8	401.4	396.4	390.1	386.4	382.7
60°	393.9	393.9	391.4	385.2	378.9	372.7	365.2	361.5	355.2	352.7	349.0
62.5°	356.5	356.5	351.5	347.8	341.5	335.3	329.1	320.3	316.6	312.9	310.4
65°	314.1	314.1	309.1	307.9	301.6	295.4	290.4	287.9	282.9	279.2	275.5
67.5°	276.7	276.7	271.7	270.5	265.5	260.5	254.3	253.0	246.8	245.6	241.8
70°	239.3	240.6	236.8	233.1	229.3	225.6	220.6	216.9	213.1	211.9	209.4
72.5°	203.2	201.9	201.9	199.4	195.7	192.0	188.2	185.7	182.0	180.7	178.2
75°	169.5	168.3	167.0	167.0	163.3	159.5	157.1	155.8	152.1	149.6	148.3
77.5°	137.1	138.4	138.4	135.9	133.4	130.9	129.6	127.1	123.4	122.2	120.9
80°	108.4	109.7	109.7	107.2	105.9	103.5	101.0	101.0	97.2	97.2	96.0
82.5°	83.5	83.5	83.5	83.5	81.0	79.8	79.8	76.0	76.0	74.8	73.5
85°	64.8	64.8	64.8	66.1	64.8	63.6	63.6	61.1	59.8	58.6	57.3
87.5°	52.4	52.4	53.6	53.6	53.6	52.4	52.4	51.1	49.9	47.4	46.1
90°	39.9	41.1	41.1	42.4	42.4	42.4	41.1	39.9	38.6	37.4	36.1
92.5°	29.9	29.9	31.2	31.2	31.2	31.2	31.2	29.9	28.7	28.7	27.4
95°	18.7	19.9	19.9	19.9	21.2	21.2	21.2	21.2	19.9	18.7	18.7
97.5°	12.5	11.2	11.2	11.2	11.2	12.5	12.5	12.5	11.2	11.2	11.2
100°	7.5	6.2	6.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.2
102.5°	3.7	3.7	3.7	2.5	2.5	1.2	1.2	1.2	1.2	2.5	3.7
105°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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: P571896

CATALOG NUMBER: 22ID-25-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: P571896

CATALOG NUMBER: 22ID-25-L830-SWD

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	886.2	886.2	886.2	886.2	886.2	887.5	886.2	887.5	886.2	886.2	886.2
5°	883.7	883.7	883.7	883.7	883.7	883.7	883.7	883.7	883.7	883.7	882.5
7.5°	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5
10°	871.3	871.3	871.3	870.0	871.3	871.3	870.0	871.3	870.0	871.3	871.3
12.5°	861.3	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	861.3
15°	848.8	848.8	847.6	847.6	846.3	846.3	846.3	846.3	847.6	847.6	848.8
17.5°	833.9	833.9	833.9	831.4	832.6	830.1	831.4	831.4	832.6	832.6	833.9
20°	816.4	815.2	815.2	813.9	812.7	812.7	813.9	813.9	816.4	816.4	817.7
22.5°	797.7	796.5	796.5	794.0	792.7	792.7	794.0	795.2	797.7	796.5	799.0
25°	775.3	774.0	774.0	770.3	772.8	771.6	770.3	772.8	774.0	774.0	776.5
27.5°	751.6	750.4	749.1	747.9	747.9	747.9	746.6	746.6	750.4	750.4	752.9
30°	726.7	725.4	724.2	722.9	721.7	721.7	720.4	721.7	724.2	726.7	727.9
32.5°	700.5	699.3	695.5	695.5	695.5	694.3	694.3	695.5	698.0	699.3	701.8
35°	671.8	670.6	668.1	665.6	666.9	666.9	665.6	668.1	670.6	674.3	674.3
37.5°	643.2	641.9	639.4	639.4	636.9	636.9	635.7	636.9	641.9	643.2	645.7
40°	612.0	612.0	609.5	607.0	607.0	607.0	605.8	607.0	609.5	615.7	615.7
42.5°	582.1	580.8	577.1	575.9	574.6	574.6	574.6	577.1	577.1	584.6	584.6
45°	549.7	548.4	544.7	543.5	543.5	542.2	542.2	544.7	545.9	552.2	552.2
47.5°	516.0	514.8	511.0	511.0	511.0	509.8	508.6	511.0	513.5	518.5	519.8
50°	483.6	481.1	478.6	477.4	476.1	476.1	474.9	478.6	481.1	486.1	484.9
52.5°	448.7	448.7	446.2	443.7	443.7	443.7	442.5	446.2	446.2	451.2	452.5
55°	415.1	412.6	411.3	410.1	408.8	408.8	408.8	411.3	411.3	417.6	417.6
57.5°	378.9	378.9	375.2	375.2	375.2	373.9	373.9	375.2	377.7	382.7	382.7
60°	345.3	345.3	340.3	341.5	340.3	340.3	340.3	341.5	342.8	347.8	347.8
62.5°	307.9	305.4	304.1	302.9	302.9	302.9	304.1	304.1	305.4	310.4	310.4
65°	274.2	271.7	270.5	270.5	269.2	269.2	269.2	270.5	271.7	275.5	275.5
67.5°	240.6	238.1	236.8	236.8	235.6	236.8	236.8	236.8	238.1	241.8	241.8
70°	208.2	206.9	203.2	204.4	203.2	204.4	204.4	203.2	204.4	208.2	208.2
72.5°	177.0	175.7	173.3	173.3	172.0	172.0	170.8	170.8	172.0	175.7	175.7
75°	147.1	144.6	143.3	143.3	142.1	139.6	142.1	140.8	140.8	144.6	144.6
77.5°	120.9	119.7	118.4	115.9	114.7	113.4	113.4	112.2	112.2	114.7	113.4
80°	94.7	92.2	91.0	91.0	89.7	88.5	87.3	86.0	86.0	87.3	87.3
82.5°	72.3	71.0	69.8	69.8	67.3	66.1	66.1	63.6	64.8	63.6	64.8
85°	57.3	54.8	53.6	52.4	51.1	48.6	48.6	46.1	46.1	44.9	44.9
87.5°	44.9	44.9	41.1	39.9	38.6	36.1	33.7	32.4	32.4	29.9	29.9
90°	34.9	34.9	32.4	31.2	28.7	26.2	24.9	22.4	21.2	19.9	18.7
92.5°	26.2	26.2	23.7	22.4	21.2	19.9	18.7	17.5	16.2	13.7	13.7
95°	18.7	17.5	16.2	16.2	15.0	15.0	13.7	12.5	11.2	10.0	10.0
97.5°	11.2	11.2	11.2	11.2	11.2	10.0	8.7	8.7	7.5	6.2	6.2
100°	6.2	6.2	6.2	7.5	6.2	6.2	6.2	5.0	5.0	3.7	3.7
102.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.5	2.5
105°	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2
107.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	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: P571896

CATALOG NUMBER: 22ID-25-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: P571896

CATALOG NUMBER: 22ID-25-L830-SWD

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	887.5
5°	883.7	883.7	883.7	883.7	885.0	885.0	885.0	885.0	885.0	885.0	885.0
7.5°	877.5	877.5	878.7	878.7	880.0	880.0	880.0	881.2	881.2	881.2	881.2
10°	871.3	871.3	872.5	873.8	873.8	875.0	875.0	876.3	876.3	877.5	877.5
12.5°	861.3	861.3	863.8	865.0	865.0	866.3	867.5	868.8	868.8	870.0	870.0
15°	848.8	850.1	851.3	853.8	855.1	857.6	857.6	860.1	861.3	861.3	862.5
17.5°	833.9	836.4	838.9	840.1	842.6	845.1	846.3	848.8	851.3	851.3	852.6
20°	817.7	820.2	823.9	825.2	827.6	831.4	832.6	835.1	837.6	840.1	840.1
22.5°	800.2	802.7	805.2	808.9	811.4	815.2	817.7	821.4	825.2	825.2	827.6
25°	777.8	781.5	785.3	787.8	791.5	796.5	800.2	802.7	807.7	808.9	810.2
27.5°	754.1	757.8	762.8	765.3	770.3	775.3	780.3	785.3	789.0	790.2	792.7
30°	729.2	732.9	737.9	742.9	747.9	754.1	759.1	764.1	770.3	770.3	772.8
32.5°	704.2	709.2	714.2	718.0	722.9	730.4	736.7	741.6	746.6	749.1	751.6
35°	676.8	683.1	688.0	691.8	698.0	705.5	711.7	716.7	722.9	725.4	729.2
37.5°	646.9	651.9	659.4	664.4	673.1	676.8	684.3	689.3	698.0	700.5	703.0
40°	618.2	622.0	629.5	634.4	640.7	649.4	655.6	664.4	670.6	671.8	675.6
42.5°	585.8	593.3	598.3	603.3	609.5	618.2	624.5	633.2	641.9	643.2	646.9
45°	554.7	560.9	565.9	572.1	578.4	587.1	595.8	603.3	609.5	612.0	615.7
47.5°	521.0	528.5	533.5	541.0	548.4	554.7	563.4	570.9	577.1	578.4	583.3
50°	488.6	494.8	498.6	504.8	514.8	521.0	527.2	537.2	542.2	545.9	548.4
52.5°	455.0	458.7	464.9	473.7	479.9	487.4	492.3	501.1	507.3	509.8	514.8
55°	421.3	426.3	428.8	435.0	445.0	448.7	458.7	463.7	472.4	472.4	474.9
57.5°	383.9	390.1	393.9	402.6	408.8	413.8	420.1	427.5	433.8	435.0	438.8
60°	350.3	355.2	359.0	367.7	372.7	377.7	383.9	391.4	396.4	397.6	402.6
62.5°	314.1	316.6	320.3	330.3	332.8	339.0	347.8	352.7	359.0	360.2	362.7
65°	279.2	282.9	284.2	291.7	294.2	299.1	307.9	312.9	316.6	319.1	319.1
67.5°	244.3	246.8	250.5	256.8	258.0	263.0	270.5	275.5	279.2	281.7	281.7
70°	208.2	211.9	215.6	221.9	221.9	228.1	233.1	238.1	243.1	244.3	245.6
72.5°	175.7	179.5	182.0	187.0	188.2	193.2	198.2	203.2	206.9	208.2	210.7
75°	145.8	147.1	148.3	153.3	154.6	162.0	164.5	168.3	172.0	173.3	173.3
77.5°	115.9	117.2	118.4	122.2	124.6	128.4	130.9	134.6	138.4	137.1	142.1
80°	88.5	88.5	89.7	93.5	96.0	98.5	101.0	103.5	105.9	107.2	110.9
82.5°	64.8	63.6	63.6	67.3	68.6	68.6	72.3	74.8	77.3	79.8	78.5
85°	44.9	43.6	43.6	44.9	44.9	47.4	48.6	49.9	52.4	53.6	53.6
87.5°	28.7	27.4	26.2	27.4	26.2	27.4	28.7	29.9	31.2	32.4	33.7
90°	18.7	16.2	15.0	15.0	13.7	13.7	13.7	13.7	15.0	15.0	16.2
92.5°	12.5	11.2	10.0	8.7	7.5	6.2	5.0	5.0	6.2	6.2	6.2
95°	8.7	7.5	6.2	5.0	3.7	3.7	2.5	1.2	1.2	1.2	1.2
97.5°	6.2	5.0	3.7	3.7	2.5	1.2	1.2	0.0	0.0	0.0	0.0
100°	3.7	2.5	2.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.5	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.2	1.2	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: P571896

CATALOG NUMBER: 22ID-25-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: P571896

CATALOG NUMBER: 22ID-25-L830-SWD

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	887.5	887.5	887.5	887.5
2.5°	886.2	886.2	887.5	886.2
5°	885.0	885.0	886.2	885.0
7.5°	881.2	881.2	881.2	881.2
10°	877.5	877.5	878.7	877.5
12.5°	871.3	872.5	872.5	872.5
15°	863.8	863.8	863.8	863.8
17.5°	852.6	853.8	856.3	855.1
20°	841.4	842.6	845.1	843.8
22.5°	828.9	830.1	831.4	830.1
25°	812.7	813.9	815.2	815.2
27.5°	795.2	799.0	799.0	797.7
30°	775.3	780.3	781.5	780.3
32.5°	754.1	759.1	760.3	759.1
35°	732.9	735.4	739.1	737.9
37.5°	705.5	710.5	714.2	714.2
40°	679.3	685.5	688.0	688.0
42.5°	653.1	655.6	659.4	659.4
45°	622.0	625.7	629.5	630.7
47.5°	588.3	593.3	595.8	597.0
50°	554.7	559.7	562.1	563.4
52.5°	521.0	523.5	527.2	528.5
55°	482.4	486.1	489.9	491.1
57.5°	443.7	448.7	451.2	452.5
60°	405.1	411.3	413.8	413.8
62.5°	367.7	371.4	373.9	372.7
65°	329.1	332.8	334.0	334.0
67.5°	286.7	291.7	292.9	292.9
70°	249.3	253.0	255.5	254.3
72.5°	213.1	216.9	218.1	218.1
75°	178.2	180.7	182.0	183.2
77.5°	143.3	147.1	148.3	150.8
80°	110.9	114.7	117.2	119.7
82.5°	82.3	84.8	88.5	89.7
85°	56.1	59.8	62.3	63.6
87.5°	34.9	37.4	39.9	42.4
90°	17.5	19.9	22.4	24.9
92.5°	7.5	8.7	10.0	12.5
95°	2.5	2.5	3.7	3.7
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: P571896

CATALOG NUMBER: 22ID-25-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: P571896
CATALOG NUMBER: 22ID-25-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	14.60	16.22	14.97	16.55	16.87	13.47	15.10	13.85	15.42	15.75
	3H	16.33	17.80	16.71	18.13	18.51	15.07	16.54	15.45	16.87	17.24
	4H	16.97	18.36	17.38	18.72	19.10	15.65	17.04	16.06	17.40	17.78
	6H	17.46	18.74	17.88	19.12	19.52	16.09	17.37	16.51	17.75	18.15
	8H	17.63	18.85	18.06	19.25	19.66	16.23	17.46	16.66	17.86	18.27
	12H	17.75	18.92	18.19	19.32	19.76	16.33	17.51	16.77	17.90	18.34
4H	2H	15.05	16.43	15.45	16.79	17.18	14.10	15.49	14.51	15.85	16.24
	3H	16.99	18.16	17.41	18.56	18.98	15.90	17.06	16.32	17.47	17.88
	4H	17.77	18.82	18.21	19.25	19.69	16.61	17.66	17.04	18.08	18.53
	6H	18.39	19.32	18.85	19.77	20.23	17.15	18.08	17.61	18.53	18.99
	8H	18.61	19.48	19.08	19.93	20.41	17.34	18.20	17.80	18.65	19.13
	12H	18.79	19.57	19.28	20.05	20.54	17.48	18.26	17.97	18.74	19.22
8H	4H	17.98	18.85	18.45	19.30	19.78	16.91	17.78	17.38	18.23	18.71
	6H	18.72	19.44	19.22	19.94	20.42	17.57	18.29	18.07	18.79	19.27
	8H	19.01	19.66	19.53	20.18	20.67	17.82	18.47	18.34	18.98	19.48
	12H	19.28	19.85	19.79	20.35	20.92	18.04	18.61	18.55	19.11	19.68
12H	4H	18.00	18.78	18.49	19.26	19.74	16.95	17.73	17.44	18.21	18.69
	6H	18.75	19.40	19.27	19.92	20.41	17.63	18.28	18.15	18.79	19.29
	8H	19.10	19.68	19.62	20.18	20.75	17.94	18.51	18.45	19.01	19.58