

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: P935622

Luminaire Tested: SQ4-FA-125U-100D-927-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935622
REPORT IS A COMBINATION OF REPORTS P933762 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-927-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

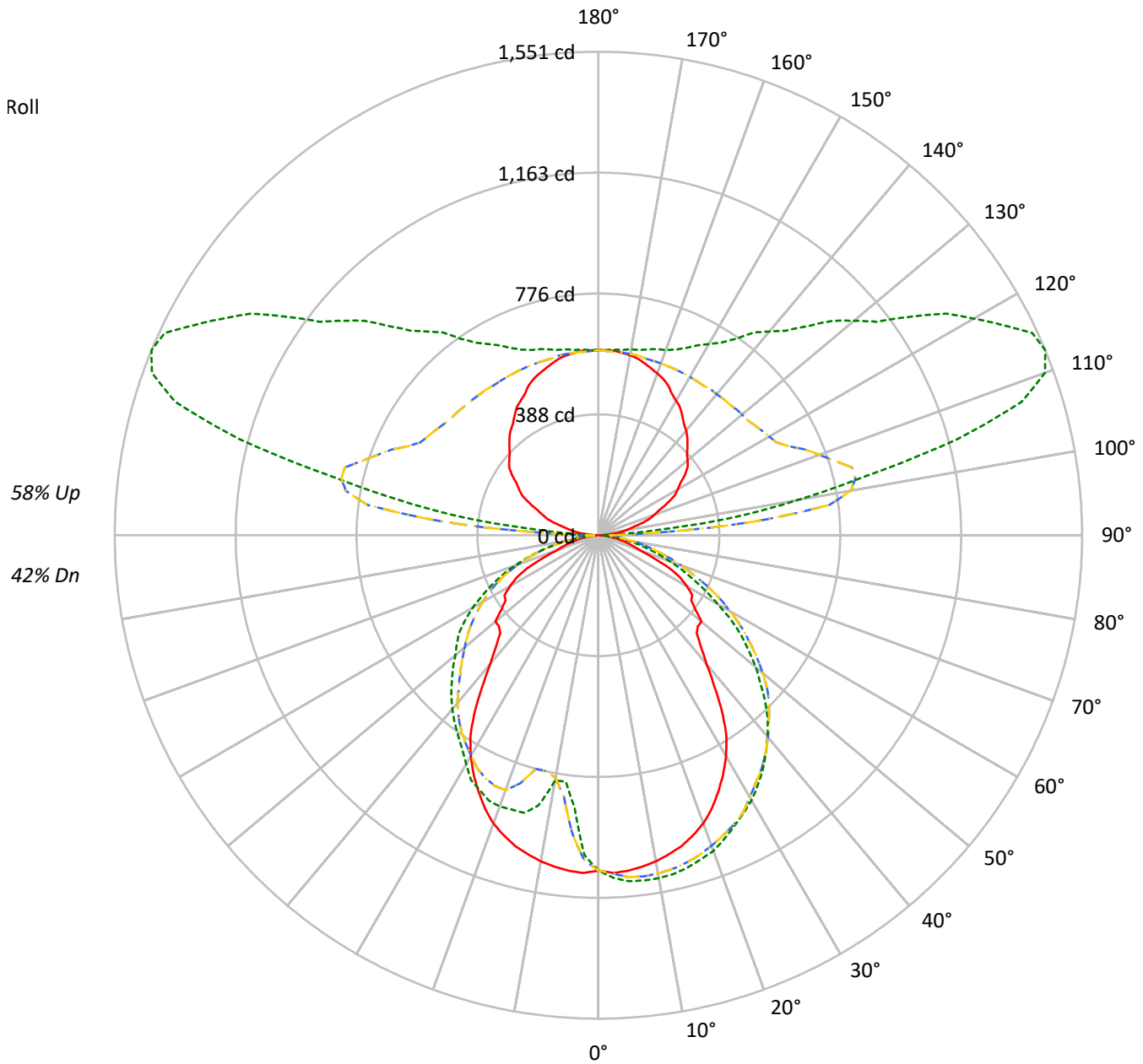
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6641.3 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 64.4
Input Voltage (V): NR
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: P935622
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9978	9978	9978	9978
5°	10043	10073	10043	7921
10°	9964	9922	9964	7093
15°	9844	9707	9844	8105
20°	9627	9453	9627	8123
25°	9194	9081	9194	7951
30°	8640	8773	8640	7573
35°	7691	8383	7691	7157
40°	6397	7924	6397	6843
45°	5705	7386	5705	6483
50°	6047	6746	6047	6120
55°	5673	6055	5673	5911
60°	5827	5141	5827	5413
65°	5258	4250	5258	4752
70°	3618	3388	3618	3983
75°	3135	2504	3135	2999
80°	2476	1656	2476	1803
85°	1341	877	1341	745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8761 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.5
10°-20°	275.6	4.1
20°-30°	426.0	6.4
30°-40°	508.6	7.7
40°-50°	511.6	7.7
50°-60°	445.1	6.7
60°-70°	315.6	4.8
70°-80°	167.0	2.5
80°-90°	43.8	0.7
90°-100°	289.6	4.4
100°-110°	761.3	11.5
110°-120°	789.4	11.9
120°-130°	633.1	9.5
130°-140°	496.8	7.5
140°-150°	381.3	5.7
150°-160°	274.6	4.1
160°-170°	168.0	2.5
170°-180°	56.8	0.9
0°-30°	798.7	12.0
0°-40°	1307.3	19.7
0°-60°	2264.0	34.1
0°-90°	2790.4	42.0
90°-120°	1840.2	27.7
90°-150°	3351.4	50.5
90°-180°	3851.0	58.0
0°-180°	6641.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1075	1075	1075	1075	1075	
5°	1080	1114	1080	876	1080	102
15°	1032	1104	1032	922	1032	290
25°	908	1030	908	901	908	417
35°	691	919	691	784	691	427
45°	446	757	446	664	446	357
55°	363	559	363	545	363	334
65°	252	337	252	376	252	241
75°	96	160	96	191	96	101
85°	16	41	16	35	16	22
90°	4	15	4	15	4	4
95°	38	175	38	175	38	42
105°	137	1192	137	1192	137	145
115°	244	1535	244	1535	244	241
125°	339	1222	339	1222	339	301
135°	404	948	404	948	404	312
145°	468	770	468	770	468	293
155°	530	663	530	663	530	243
165°	571	617	571	617	571	161
175°	594	598	594	598	594	56
180°	594	594	594	594	594	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1084.5	1084.5	1090.6	1092.6	1092.6	1089.6	1086.5	1089.6	1098.7	1101.8	1100.8
5°	1080.5	1088.5	1099.8	1101.8	1103.8	1102.8	1100.8	1102.8	1113.0	1115.0	1116.0
7.5°	1072.3	1087.5	1101.8	1104.9	1107.9	1104.9	1103.8	1105.9	1116.0	1118.0	1118.0
10°	1062.1	1083.5	1099.8	1101.8	1104.9	1101.8	1101.8	1105.9	1116.0	1118.0	1119.1
12.5°	1047.9	1077.4	1092.6	1094.7	1098.7	1097.7	1096.7	1100.8	1111.0	1113.0	1113.0
15°	1031.6	1066.2	1080.5	1082.5	1089.6	1087.5	1087.5	1091.6	1102.8	1105.9	1104.9
17.5°	1009.2	1052.0	1068.2	1071.3	1076.4	1075.3	1076.4	1080.5	1090.6	1092.6	1093.6
20°	983.8	1032.6	1052.0	1055.0	1060.1	1060.1	1060.1	1065.1	1075.3	1079.4	1079.4
22.5°	949.2	1012.2	1032.6	1034.6	1040.7	1040.7	1042.8	1049.9	1059.1	1060.1	1060.1
25°	908.5	989.9	1007.2	1013.3	1019.4	1022.4	1025.5	1029.6	1032.6	1031.6	1032.6
27.5°	865.8	961.4	983.8	987.8	996.0	999.1	1003.1	1004.2	1005.2	1008.2	1006.2
30°	818.0	921.7	955.3	959.3	972.6	974.6	970.6	972.6	977.7	979.7	981.8
32.5°	764.0	862.7	925.8	934.9	947.2	941.0	940.0	943.1	951.3	951.3	953.3
35°	690.8	817.0	898.4	906.4	915.6	908.5	912.5	913.6	918.7	921.7	920.7
37.5°	610.4	777.2	869.9	876.0	883.0	873.9	880.0	883.0	887.1	885.1	885.1
40°	539.2	715.2	836.3	840.3	846.5	839.3	845.4	847.5	849.5	847.5	846.5
42.5°	486.3	647.0	800.6	805.7	801.6	806.7	808.8	812.9	809.8	805.7	805.7
45°	445.6	628.7	762.0	768.1	762.0	770.2	773.2	773.2	764.0	762.0	761.0
47.5°	432.4	592.1	723.3	723.3	720.3	730.4	735.6	728.4	719.3	716.3	716.3
50°	431.4	551.4	670.4	666.4	680.6	692.8	687.8	680.6	673.5	662.3	662.3
52.5°	391.7	501.6	602.3	617.5	639.9	647.0	638.9	631.8	619.5	614.5	610.4
55°	363.2	449.7	540.2	570.7	594.1	603.3	588.0	580.9	562.6	559.6	557.5
57.5°	357.1	374.4	483.3	521.9	550.4	549.4	540.2	527.0	511.7	508.7	507.7
60°	327.6	270.6	422.2	468.0	497.5	494.4	486.3	474.1	459.8	457.8	455.8
62.5°	297.1	196.4	353.0	404.9	446.6	445.6	438.5	420.2	410.0	404.9	400.9
65°	252.3	164.8	251.3	336.7	396.8	398.8	383.5	370.3	359.1	353.0	352.0
67.5°	192.3	134.3	169.9	280.8	349.0	346.9	327.6	321.5	307.2	304.2	298.1
70°	142.5	89.6	118.0	227.9	302.1	297.1	281.8	274.7	261.5	254.3	250.2
72.5°	118.0	72.2	86.5	177.0	254.3	248.2	235.0	226.8	215.7	209.6	205.5
75°	95.6	76.3	66.1	131.2	206.5	202.4	190.3	182.1	172.9	164.8	165.9
77.5°	70.2	71.2	52.9	96.6	163.8	157.7	150.5	140.4	136.3	128.2	128.2
80°	52.9	56.0	39.7	66.1	118.0	118.0	111.9	104.8	97.6	93.6	93.6
82.5°	35.6	35.6	29.5	41.7	80.4	77.3	73.2	71.2	67.1	65.1	65.1
85°	16.2	20.3	18.3	25.4	43.7	45.8	45.8	43.7	42.7	40.7	41.7
87.5°	5.1	9.2	11.2	14.2	22.4	23.4	24.4	24.4	24.4	25.4	25.4
90°	4.0	7.2	10.4	11.2	17.6	26.0	30.3	26.9	20.2	15.2	15.2
92.5°	15.9	43.0	70.1	76.9	108.2	149.8	170.6	149.5	107.4	75.8	72.8
95°	38.3	87.9	137.5	149.9	266.2	421.2	498.7	445.1	337.7	257.2	248.0
97.5°	66.1	109.9	153.7	164.6	358.5	617.0	746.3	712.3	644.5	593.6	576.3
100°	87.7	127.4	167.1	177.0	392.2	679.0	822.4	824.9	829.9	833.6	812.9
102.5°	106.0	143.1	180.1	189.3	407.6	698.5	844.0	887.3	973.7	1038.6	1020.9
105°	137.1	168.6	199.9	207.7	419.0	700.8	841.6	938.6	1132.4	1277.7	1268.2
107.5°	169.0	198.3	227.5	234.8	421.2	669.6	793.8	929.0	1199.4	1402.1	1404.4
110°	190.6	217.0	243.3	249.9	418.0	641.9	753.9	905.1	1207.4	1434.0	1444.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	211.7	236.9	262.0	268.3	418.0	617.8	717.6	872.3	1181.7	1413.7	1429.0
115°	243.6	266.8	290.1	295.8	422.0	590.1	674.1	823.1	1121.2	1344.7	1365.8
117.5°	275.1	296.2	317.3	322.6	429.8	572.8	644.3	778.7	1047.7	1249.4	1272.8
120°	293.4	313.3	333.2	338.1	436.2	567.0	632.3	755.2	1000.9	1185.3	1208.1
122.5°	311.4	331.4	351.4	356.4	445.4	563.9	623.2	733.8	955.1	1121.0	1143.5
125°	338.9	357.1	375.4	379.9	457.7	561.3	613.2	707.2	895.1	1036.1	1056.8
127.5°	361.2	379.6	398.0	402.6	470.0	559.9	604.8	685.5	846.9	968.0	985.4
130°	373.1	393.0	412.9	417.8	479.1	560.8	601.6	673.4	817.1	924.9	941.0
132.5°	385.5	405.4	425.3	430.2	486.4	561.3	598.8	663.1	791.8	888.3	902.7
135°	403.9	422.0	440.0	444.5	494.3	560.8	594.1	648.0	755.7	836.5	848.9
137.5°	422.6	440.4	458.4	462.8	506.3	564.3	593.2	638.7	729.8	798.1	808.3
140°	438.1	454.6	471.1	475.2	513.7	564.9	590.4	629.8	708.5	767.5	777.0
142.5°	450.1	465.3	480.6	484.4	519.8	566.9	590.4	625.0	694.1	745.9	754.1
145°	468.5	481.7	495.0	498.3	527.7	566.9	586.4	614.7	671.2	713.6	719.9
147.5°	486.8	499.7	512.7	515.9	539.4	570.7	586.4	608.7	653.2	686.5	691.7
150°	498.7	510.4	522.1	525.1	545.5	572.8	586.4	605.2	642.8	671.0	675.1
152.5°	511.1	520.0	528.8	531.1	549.5	574.1	586.4	602.4	634.6	658.6	661.7
155°	529.5	536.0	542.5	544.2	558.2	577.0	586.4	599.2	624.7	643.9	646.0
157.5°	543.0	549.4	555.7	557.3	567.0	580.0	586.4	596.4	616.2	631.1	632.6
160°	552.2	557.1	562.1	563.3	571.0	581.3	586.4	594.9	611.9	624.7	625.5
162.5°	561.3	565.0	568.8	569.7	575.3	582.7	586.4	593.6	608.0	618.8	619.5
165°	571.3	574.7	578.0	578.9	581.4	584.7	586.4	591.6	601.8	609.5	610.4
167.5°	580.5	582.0	583.7	584.0	586.2	589.1	590.4	593.8	600.5	605.6	606.0
170°	586.4	588.0	589.7	590.1	590.2	590.4	590.4	593.8	600.5	605.6	605.6
172.5°	589.7	590.0	590.4	590.4	590.4	590.4	590.4	593.1	598.4	602.4	602.1
175°	594.1	594.1	594.1	594.1	592.8	591.2	590.4	592.1	595.4	598.0	598.0
177.5°	594.1	594.1	594.1	594.1	593.1	591.8	591.2	592.5	595.2	597.2	596.8
180°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1102.8	1099.8	1102.8	1100.8	1101.8	1098.7	1089.6	1086.5	1089.6	1092.6	1092.6
5°	1116.0	1114.0	1116.0	1116.0	1115.0	1113.0	1102.8	1100.8	1102.8	1103.8	1101.8
7.5°	1120.1	1117.0	1120.1	1118.0	1118.0	1116.0	1105.9	1103.8	1104.9	1107.9	1104.9
10°	1120.1	1117.0	1120.1	1119.1	1118.0	1116.0	1105.9	1101.8	1101.8	1104.9	1101.8
12.5°	1115.0	1113.0	1115.0	1113.0	1113.0	1111.0	1100.8	1096.7	1097.7	1098.7	1094.7
15°	1106.9	1103.8	1106.9	1104.9	1105.9	1102.8	1091.6	1087.5	1087.5	1089.6	1082.5
17.5°	1094.7	1090.6	1094.7	1093.6	1092.6	1090.6	1080.5	1076.4	1075.3	1076.4	1071.3
20°	1080.5	1077.4	1080.5	1079.4	1079.4	1075.3	1065.1	1060.1	1060.1	1060.1	1055.0
22.5°	1058.1	1055.0	1058.1	1060.1	1060.1	1059.1	1049.9	1042.8	1040.7	1040.7	1034.6
25°	1032.6	1029.6	1032.6	1032.6	1031.6	1032.6	1029.6	1025.5	1022.4	1019.4	1013.3
27.5°	1008.2	1006.2	1008.2	1006.2	1008.2	1005.2	1004.2	1003.1	999.1	996.0	987.8
30°	983.8	981.8	983.8	981.8	979.7	977.7	972.6	970.6	974.6	972.6	959.3
32.5°	953.3	951.3	953.3	953.3	951.3	951.3	943.1	940.0	941.0	947.2	934.9
35°	921.7	918.7	921.7	920.7	921.7	918.7	913.6	912.5	908.5	915.6	906.4
37.5°	885.1	882.0	885.1	885.1	885.1	887.1	883.0	880.0	873.9	883.0	876.0
40°	847.5	843.4	847.5	846.5	847.5	849.5	847.5	845.4	839.3	846.5	840.3
42.5°	804.7	803.7	804.7	805.7	805.7	809.8	812.9	808.8	806.7	801.6	805.7
45°	758.9	756.9	758.9	761.0	762.0	764.0	773.2	773.2	770.2	762.0	768.1
47.5°	710.1	705.0	710.1	716.3	716.3	719.3	728.4	735.6	730.4	720.3	723.3
50°	658.2	659.3	658.2	662.3	662.3	673.5	680.6	687.8	692.8	680.6	666.4
52.5°	607.4	606.4	607.4	610.4	614.5	619.5	631.8	638.9	647.0	639.9	617.5
55°	556.5	558.6	556.5	557.5	559.6	562.6	580.9	588.0	603.3	594.1	570.7
57.5°	505.7	502.6	505.7	507.7	508.7	511.7	527.0	540.2	549.4	550.4	521.9
60°	446.6	442.5	446.6	455.8	457.8	459.8	474.1	486.3	494.4	497.5	468.0
62.5°	394.7	387.6	394.7	400.9	404.9	410.0	420.2	438.5	445.6	446.6	404.9
65°	339.8	336.7	339.8	352.0	353.0	359.1	370.3	383.5	398.8	396.8	336.7
67.5°	290.0	290.0	290.0	298.1	304.2	307.2	321.5	327.6	346.9	349.0	280.8
70°	244.2	243.2	244.2	250.2	254.3	261.5	274.7	281.8	297.1	302.1	227.9
72.5°	200.4	199.4	200.4	205.5	209.6	215.7	226.8	235.0	248.2	254.3	177.0
75°	161.8	159.7	161.8	165.9	164.8	172.9	182.1	190.3	202.4	206.5	131.2
77.5°	124.1	124.1	124.1	128.2	128.2	136.3	140.4	150.5	157.7	163.8	96.6
80°	92.6	91.6	92.6	93.6	93.6	97.6	104.8	111.9	118.0	118.0	66.1
82.5°	65.1	63.1	65.1	65.1	65.1	67.1	71.2	73.2	77.3	80.4	41.7
85°	40.7	40.7	40.7	41.7	40.7	42.7	43.7	45.8	45.8	43.7	25.4
87.5°	26.5	25.4	26.5	25.4	25.4	24.4	24.4	24.4	23.4	22.4	14.2
90°	15.2	15.2	15.2	15.2	15.2	20.2	26.9	30.3	26.0	17.6	11.2
92.5°	60.7	48.7	60.7	72.8	75.8	107.4	149.5	170.6	149.8	108.2	76.9
95°	211.5	175.0	211.5	248.0	257.2	337.7	445.1	498.7	421.2	266.2	149.9
97.5°	506.8	437.4	506.8	576.3	593.6	644.5	712.3	746.3	617.0	358.5	164.6
100°	730.2	647.4	730.2	812.9	833.6	829.9	824.9	822.4	679.0	392.2	177.0
102.5°	949.9	879.1	949.9	1020.9	1038.6	973.7	887.3	844.0	698.5	407.6	189.3
105°	1230.2	1192.0	1230.2	1268.2	1277.7	1132.4	938.6	841.6	700.8	419.0	207.7
107.5°	1413.6	1422.9	1413.6	1404.4	1402.1	1199.4	929.0	793.8	669.6	421.2	234.8
110°	1483.6	1523.3	1483.6	1444.0	1434.0	1207.4	905.1	753.9	641.9	418.0	249.9



TEST NUMBER: P935622

CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1489.9	1550.9	1489.9	1429.0	1413.7	1181.7	872.3	717.6	617.8	418.0	268.3
115°	1450.4	1534.9	1450.4	1365.8	1344.7	1121.2	823.1	674.1	590.1	422.0	295.8
117.5°	1366.6	1460.3	1366.6	1272.8	1249.4	1047.7	778.7	644.3	572.8	429.8	322.6
120°	1299.1	1390.2	1299.1	1208.1	1185.3	1000.9	755.2	632.3	567.0	436.2	338.1
122.5°	1233.3	1323.2	1233.3	1143.5	1121.0	955.1	733.8	623.2	563.9	445.4	356.4
125°	1139.5	1222.3	1139.5	1056.8	1036.1	895.1	707.2	613.2	561.3	457.7	379.9
127.5°	1055.2	1125.0	1055.2	985.4	968.0	846.9	685.5	604.8	559.9	470.0	402.6
130°	1005.5	1070.1	1005.5	941.0	924.9	817.1	673.4	601.6	560.8	479.1	417.8
132.5°	960.4	1018.2	960.4	902.7	888.3	791.8	663.1	598.8	561.3	486.4	430.2
135°	898.7	948.4	898.7	848.9	836.5	755.7	648.0	594.1	560.8	494.3	444.5
137.5°	849.1	889.8	849.1	808.3	798.1	729.8	638.7	593.2	564.3	506.3	462.8
140°	815.0	853.2	815.0	777.0	767.5	708.5	629.8	590.4	564.9	513.7	475.2
142.5°	786.9	819.7	786.9	754.1	745.9	694.1	625.0	590.4	566.9	519.8	484.4
145°	744.7	769.5	744.7	719.9	713.6	671.2	614.7	586.4	566.9	527.7	498.3
147.5°	712.2	732.7	712.2	691.7	686.5	653.2	608.7	586.4	570.7	539.4	515.9
150°	691.8	708.5	691.8	675.1	671.0	642.8	605.2	586.4	572.8	545.5	525.1
152.5°	674.3	686.9	674.3	661.7	658.6	634.6	602.4	586.4	574.1	549.5	531.1
155°	654.3	662.6	654.3	646.0	643.9	624.7	599.2	586.4	577.0	558.2	544.2
157.5°	638.4	644.3	638.4	632.6	631.1	616.2	596.4	586.4	580.0	567.0	557.3
160°	628.9	632.3	628.9	625.5	624.7	611.9	594.9	586.4	581.3	571.0	563.3
162.5°	622.8	625.9	622.8	619.5	618.8	608.0	593.6	586.4	582.7	575.3	569.7
165°	613.8	617.2	613.8	610.4	609.5	601.8	591.6	586.4	584.7	581.4	578.9
167.5°	607.4	608.8	607.4	606.0	605.6	600.5	593.8	590.4	589.1	586.2	584.0
170°	605.6	605.6	605.6	605.6	605.6	600.5	593.8	590.4	590.4	590.2	590.1
172.5°	600.8	599.6	600.8	602.1	602.4	598.4	593.1	590.4	590.4	590.4	590.4
175°	598.0	598.0	598.0	598.0	598.0	595.4	592.1	590.4	591.2	592.8	594.1
177.5°	595.4	594.1	595.4	596.8	597.2	595.2	592.5	591.2	591.8	593.1	594.1
180°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1



TEST NUMBER: P935622

CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1090.6	1084.5	1084.5	1074.3	1070.2	1067.2	1062.1	1046.9	1042.8	1038.7	1044.8
5°	1099.8	1088.5	1080.5	1062.1	1046.9	1040.7	1021.4	984.8	960.3	942.1	931.9
7.5°	1101.8	1087.5	1072.3	1043.8	1007.2	990.9	931.9	864.8	846.5	830.1	820.0
10°	1099.8	1083.5	1062.1	1019.4	932.9	904.4	845.4	801.6	790.5	787.4	790.5
12.5°	1092.6	1077.4	1047.9	976.7	855.6	836.3	801.6	776.2	774.2	779.3	806.7
15°	1080.5	1066.2	1031.6	919.7	812.9	798.6	774.2	765.1	776.2	811.8	894.3
17.5°	1068.2	1052.0	1009.2	863.7	780.3	770.2	752.8	771.2	834.2	882.0	909.5
20°	1052.0	1032.6	983.8	823.1	756.9	747.7	739.6	822.1	869.9	887.1	902.4
22.5°	1032.6	1012.2	949.2	794.6	732.5	725.3	730.4	850.5	869.9	882.0	895.3
25°	1007.2	989.9	908.5	772.2	713.2	705.0	724.3	847.5	858.6	861.7	888.1
27.5°	983.8	961.4	865.8	751.8	689.8	686.7	729.4	834.2	842.4	845.4	873.9
30°	955.3	921.7	818.0	730.4	665.4	664.4	730.4	818.0	815.9	824.1	852.5
32.5°	925.8	862.7	764.0	704.0	641.9	640.9	723.3	793.6	791.5	802.7	824.1
35°	898.4	817.0	690.8	673.5	612.5	613.5	706.0	765.1	766.1	776.2	789.5
37.5°	869.9	777.2	610.4	639.9	584.0	584.0	682.6	738.6	736.6	739.6	757.9
40°	836.3	715.2	539.2	596.1	557.5	554.5	654.2	710.1	703.0	702.0	727.4
42.5°	800.6	647.0	486.3	538.2	527.0	522.9	619.5	675.5	662.3	665.4	697.9
45°	762.0	628.7	445.6	454.8	495.4	492.4	581.9	635.9	626.7	634.9	668.4
47.5°	723.3	592.1	432.4	377.5	461.8	460.8	540.2	597.2	592.1	600.2	635.9
50°	670.4	551.4	431.4	323.6	424.3	428.3	490.3	559.6	559.6	566.6	604.3
52.5°	602.3	501.6	391.7	293.0	380.5	392.7	446.6	527.0	529.0	536.2	569.7
55°	540.2	449.7	363.2	269.6	328.6	355.0	403.9	493.4	497.5	504.6	535.2
57.5°	483.3	374.4	357.1	242.2	280.8	306.2	366.2	460.8	462.9	469.0	498.5
60°	422.2	270.6	327.6	212.6	239.1	258.4	331.6	422.2	429.4	433.4	458.8
62.5°	353.0	196.4	297.1	192.3	218.8	222.8	303.1	385.5	394.7	397.8	413.0
65°	251.3	164.8	252.3	175.0	197.4	198.4	272.7	348.0	356.0	361.1	372.4
67.5°	169.9	134.3	192.3	158.7	181.1	182.1	243.2	304.2	315.4	319.5	326.6
70°	118.0	89.6	142.5	141.4	162.8	164.8	211.6	264.5	274.7	277.7	281.8
72.5°	86.5	72.2	118.0	127.2	143.5	145.5	179.0	219.8	229.9	233.0	235.0
75°	66.1	76.3	95.6	110.9	122.0	123.1	146.5	179.0	186.2	188.2	189.2
77.5°	52.9	71.2	70.2	89.6	99.7	97.6	115.0	138.4	144.5	144.5	144.5
80°	39.7	56.0	52.9	64.1	73.2	71.2	82.4	98.7	100.7	102.7	101.7
82.5°	29.5	35.6	35.6	40.7	48.8	46.8	54.9	64.1	64.1	64.1	66.1
85°	18.3	20.3	16.2	21.3	27.5	26.5	30.5	34.6	35.6	35.6	33.6
87.5°	11.2	9.2	5.1	8.2	12.2	12.2	14.2	15.2	14.2	14.2	14.2
90°	10.4	7.2	4.0	7.2	10.4	11.2	17.6	26.0	30.3	26.9	20.2
92.5°	70.1	43.0	15.9	43.0	70.1	76.9	108.2	149.8	170.6	149.5	107.4
95°	137.5	87.9	38.3	87.9	137.5	149.9	266.2	421.2	498.7	445.1	337.7
97.5°	153.7	109.9	66.1	109.9	153.7	164.6	358.5	617.0	746.3	712.3	644.5
100°	167.1	127.4	87.7	127.4	167.1	177.0	392.2	679.0	822.4	824.9	829.9
102.5°	180.1	143.1	106.0	143.1	180.1	189.3	407.6	698.5	844.0	887.3	973.7
105°	199.9	168.6	137.1	168.6	199.9	207.7	419.0	700.8	841.6	938.6	1132.4
107.5°	227.5	198.3	169.0	198.3	227.5	234.8	421.2	669.6	793.8	929.0	1199.4
110°	243.3	217.0	190.6	217.0	243.3	249.9	418.0	641.9	753.9	905.1	1207.4



TEST NUMBER: P935622

CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	262.0	236.9	211.7	236.9	262.0	268.3	418.0	617.8	717.6	872.3	1181.7
115°	290.1	266.8	243.6	266.8	290.1	295.8	422.0	590.1	674.1	823.1	1121.2
117.5°	317.3	296.2	275.1	296.2	317.3	322.6	429.8	572.8	644.3	778.7	1047.7
120°	333.2	313.3	293.4	313.3	333.2	338.1	436.2	567.0	632.3	755.2	1000.9
122.5°	351.4	331.4	311.4	331.4	351.4	356.4	445.4	563.9	623.2	733.8	955.1
125°	375.4	357.1	338.9	357.1	375.4	379.9	457.7	561.3	613.2	707.2	895.1
127.5°	398.0	379.6	361.2	379.6	398.0	402.6	470.0	559.9	604.8	685.5	846.9
130°	412.9	393.0	373.1	393.0	412.9	417.8	479.1	560.8	601.6	673.4	817.1
132.5°	425.3	405.4	385.5	405.4	425.3	430.2	486.4	561.3	598.8	663.1	791.8
135°	440.0	422.0	403.9	422.0	440.0	444.5	494.3	560.8	594.1	648.0	755.7
137.5°	458.4	440.4	422.6	440.4	458.4	462.8	506.3	564.3	593.2	638.7	729.8
140°	471.1	454.6	438.1	454.6	471.1	475.2	513.7	564.9	590.4	629.8	708.5
142.5°	480.6	465.3	450.1	465.3	480.6	484.4	519.8	566.9	590.4	625.0	694.1
145°	495.0	481.7	468.5	481.7	495.0	498.3	527.7	566.9	586.4	614.7	671.2
147.5°	512.7	499.7	486.8	499.7	512.7	515.9	539.4	570.7	586.4	608.7	653.2
150°	522.1	510.4	498.7	510.4	522.1	525.1	545.5	572.8	586.4	605.2	642.8
152.5°	528.8	520.0	511.1	520.0	528.8	531.1	549.5	574.1	586.4	602.4	634.6
155°	542.5	536.0	529.5	536.0	542.5	544.2	558.2	577.0	586.4	599.2	624.7
157.5°	555.7	549.4	543.0	549.4	555.7	557.3	567.0	580.0	586.4	596.4	616.2
160°	562.1	557.1	552.2	557.1	562.1	563.3	571.0	581.3	586.4	594.9	611.9
162.5°	568.8	565.0	561.3	565.0	568.8	569.7	575.3	582.7	586.4	593.6	608.0
165°	578.0	574.7	571.3	574.7	578.0	578.9	581.4	584.7	586.4	591.6	601.8
167.5°	583.7	582.0	580.5	582.0	583.7	584.0	586.2	589.1	590.4	593.8	600.5
170°	589.7	588.0	586.4	588.0	589.7	590.1	590.2	590.4	590.4	593.8	600.5
172.5°	590.4	590.0	589.7	590.0	590.4	590.4	590.4	590.4	590.4	593.1	598.4
175°	594.1	594.1	594.1	594.1	594.1	594.1	592.8	591.2	590.4	592.1	595.4
177.5°	594.1	594.1	594.1	594.1	594.1	594.1	593.1	591.8	591.2	592.5	595.2
180°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1



TEST NUMBER: P935622

CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1037.7	1034.6	1038.7	1027.5	1038.7	1034.6	1037.7	1044.8	1038.7	1042.8	1046.9
5°	910.5	905.4	889.2	876.0	889.2	905.4	910.5	931.9	942.1	960.3	984.8
7.5°	813.9	809.8	805.7	797.6	805.7	809.8	813.9	820.0	830.1	846.5	864.8
10°	792.5	793.6	799.6	798.6	799.6	793.6	792.5	790.5	787.4	790.5	801.6
12.5°	847.5	856.6	890.2	888.1	890.2	856.6	847.5	806.7	779.3	774.2	776.2
15°	910.5	913.6	920.7	921.7	920.7	913.6	910.5	894.3	811.8	776.2	765.1
17.5°	916.6	917.7	922.8	922.8	922.8	917.7	916.6	909.5	882.0	834.2	771.2
20°	911.5	913.6	923.8	925.8	923.8	913.6	911.5	902.4	887.1	869.9	822.1
22.5°	909.5	913.6	921.7	920.7	921.7	913.6	909.5	895.3	882.0	869.9	850.5
25°	899.4	899.4	900.4	901.4	900.4	899.4	899.4	888.1	861.7	858.6	847.5
27.5°	878.0	880.0	886.1	885.1	886.1	880.0	878.0	873.9	845.4	842.4	834.2
30°	858.6	856.6	851.5	847.5	851.5	856.6	858.6	852.5	824.1	815.9	818.0
32.5°	826.1	821.0	815.9	812.9	815.9	821.0	826.1	824.1	802.7	791.5	793.6
35°	787.4	788.5	787.4	784.4	787.4	788.5	787.4	789.5	776.2	766.1	765.1
37.5°	760.0	762.0	761.0	756.9	761.0	762.0	760.0	757.9	739.6	736.6	738.6
40°	731.5	732.5	731.5	728.4	731.5	732.5	731.5	727.4	702.0	703.0	710.1
42.5°	704.0	703.0	699.9	697.9	699.9	703.0	704.0	697.9	665.4	662.3	675.5
45°	672.4	673.5	667.4	664.4	667.4	673.5	672.4	668.4	634.9	626.7	635.9
47.5°	640.9	640.9	635.9	632.8	635.9	640.9	640.9	635.9	600.2	592.1	597.2
50°	607.4	606.4	599.2	598.2	599.2	606.4	607.4	604.3	566.6	559.6	559.6
52.5°	568.7	568.7	569.7	571.7	569.7	568.7	568.7	569.7	536.2	529.0	527.0
55°	535.2	536.2	543.2	545.3	543.2	536.2	535.2	535.2	504.6	497.5	493.4
57.5°	500.5	500.5	505.7	505.7	505.7	500.5	500.5	498.5	469.0	462.9	460.8
60°	460.8	462.9	466.9	465.9	466.9	462.9	460.8	458.8	433.4	429.4	422.2
62.5°	419.1	421.2	422.2	420.2	422.2	421.2	419.1	413.0	397.8	394.7	385.5
65°	375.4	377.5	378.5	376.5	378.5	377.5	375.4	372.4	361.1	356.0	348.0
67.5°	330.6	329.6	328.6	332.6	328.6	329.6	330.6	326.6	319.5	315.4	304.2
70°	284.8	284.8	283.8	285.9	283.8	284.8	284.8	281.8	277.7	274.7	264.5
72.5°	236.0	235.0	239.1	236.0	239.1	235.0	236.0	235.0	233.0	229.9	219.8
75°	188.2	190.3	188.2	191.3	188.2	190.3	188.2	189.2	188.2	186.2	179.0
77.5°	143.5	145.5	143.5	143.5	143.5	145.5	143.5	144.5	144.5	144.5	138.4
80°	101.7	100.7	100.7	99.7	100.7	100.7	101.7	101.7	102.7	100.7	98.7
82.5°	65.1	64.1	64.1	66.1	64.1	64.1	65.1	66.1	64.1	64.1	64.1
85°	35.6	36.7	34.6	34.6	34.6	36.7	35.6	33.6	35.6	35.6	34.6
87.5°	13.2	12.2	12.2	12.2	12.2	12.2	13.2	14.2	14.2	14.2	15.2
90°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	20.2	26.9	30.3	26.0
92.5°	75.8	72.8	60.7	48.7	60.7	72.8	75.8	107.4	149.5	170.6	149.8
95°	257.2	248.0	211.5	175.0	211.5	248.0	257.2	337.7	445.1	498.7	421.2
97.5°	593.6	576.3	506.8	437.4	506.8	576.3	593.6	644.5	712.3	746.3	617.0
100°	833.6	812.9	730.2	647.4	730.2	812.9	833.6	829.9	824.9	822.4	679.0
102.5°	1038.6	1020.9	949.9	879.1	949.9	1020.9	1038.6	973.7	887.3	844.0	698.5
105°	1277.7	1268.2	1230.2	1192.0	1230.2	1268.2	1277.7	1132.4	938.6	841.6	700.8
107.5°	1402.1	1404.4	1413.6	1422.9	1413.6	1404.4	1402.1	1199.4	929.0	793.8	669.6
110°	1434.0	1444.0	1483.6	1523.3	1483.6	1444.0	1434.0	1207.4	905.1	753.9	641.9



TEST NUMBER: P935622

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1413.7	1429.0	1489.9	1550.9	1489.9	1429.0	1413.7	1181.7	872.3	717.6	617.8
115°	1344.7	1365.8	1450.4	1534.9	1450.4	1365.8	1344.7	1121.2	823.1	674.1	590.1
117.5°	1249.4	1272.8	1366.6	1460.3	1366.6	1272.8	1249.4	1047.7	778.7	644.3	572.8
120°	1185.3	1208.1	1299.1	1390.2	1299.1	1208.1	1185.3	1000.9	755.2	632.3	567.0
122.5°	1121.0	1143.5	1233.3	1323.2	1233.3	1143.5	1121.0	955.1	733.8	623.2	563.9
125°	1036.1	1056.8	1139.5	1222.3	1139.5	1056.8	1036.1	895.1	707.2	613.2	561.3
127.5°	968.0	985.4	1055.2	1125.0	1055.2	985.4	968.0	846.9	685.5	604.8	559.9
130°	924.9	941.0	1005.5	1070.1	1005.5	941.0	924.9	817.1	673.4	601.6	560.8
132.5°	888.3	902.7	960.4	1018.2	960.4	902.7	888.3	791.8	663.1	598.8	561.3
135°	836.5	848.9	898.7	948.4	898.7	848.9	836.5	755.7	648.0	594.1	560.8
137.5°	798.1	808.3	849.1	889.8	849.1	808.3	798.1	729.8	638.7	593.2	564.3
140°	767.5	777.0	815.0	853.2	815.0	777.0	767.5	708.5	629.8	590.4	564.9
142.5°	745.9	754.1	786.9	819.7	786.9	754.1	745.9	694.1	625.0	590.4	566.9
145°	713.6	719.9	744.7	769.5	744.7	719.9	713.6	671.2	614.7	586.4	566.9
147.5°	686.5	691.7	712.2	732.7	712.2	691.7	686.5	653.2	608.7	586.4	570.7
150°	671.0	675.1	691.8	708.5	691.8	675.1	671.0	642.8	605.2	586.4	572.8
152.5°	658.6	661.7	674.3	686.9	674.3	661.7	658.6	634.6	602.4	586.4	574.1
155°	643.9	646.0	654.3	662.6	654.3	646.0	643.9	624.7	599.2	586.4	577.0
157.5°	631.1	632.6	638.4	644.3	638.4	632.6	631.1	616.2	596.4	586.4	580.0
160°	624.7	625.5	628.9	632.3	628.9	625.5	624.7	611.9	594.9	586.4	581.3
162.5°	618.8	619.5	622.8	625.9	622.8	619.5	618.8	608.0	593.6	586.4	582.7
165°	609.5	610.4	613.8	617.2	613.8	610.4	609.5	601.8	591.6	586.4	584.7
167.5°	605.6	606.0	607.4	608.8	607.4	606.0	605.6	600.5	593.8	590.4	589.1
170°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	600.5	593.8	590.4	590.4
172.5°	602.4	602.1	600.8	599.6	600.8	602.1	602.4	598.4	593.1	590.4	590.4
175°	598.0	598.0	598.0	598.0	598.0	598.0	598.0	595.4	592.1	590.4	591.2
177.5°	597.2	596.8	595.4	594.1	595.4	596.8	597.2	595.2	592.5	591.2	591.8
180°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1062.1	1067.2	1070.2	1074.3	1084.5
5°	1021.4	1040.7	1046.9	1062.1	1080.5
7.5°	931.9	990.9	1007.2	1043.8	1072.3
10°	845.4	904.4	932.9	1019.4	1062.1
12.5°	801.6	836.3	855.6	976.7	1047.9
15°	774.2	798.6	812.9	919.7	1031.6
17.5°	752.8	770.2	780.3	863.7	1009.2
20°	739.6	747.7	756.9	823.1	983.8
22.5°	730.4	725.3	732.5	794.6	949.2
25°	724.3	705.0	713.2	772.2	908.5
27.5°	729.4	686.7	689.8	751.8	865.8
30°	730.4	664.4	665.4	730.4	818.0
32.5°	723.3	640.9	641.9	704.0	764.0
35°	706.0	613.5	612.5	673.5	690.8
37.5°	682.6	584.0	584.0	639.9	610.4
40°	654.2	554.5	557.5	596.1	539.2
42.5°	619.5	522.9	527.0	538.2	486.3
45°	581.9	492.4	495.4	454.8	445.6
47.5°	540.2	460.8	461.8	377.5	432.4
50°	490.3	428.3	424.3	323.6	431.4
52.5°	446.6	392.7	380.5	293.0	391.7
55°	403.9	355.0	328.6	269.6	363.2
57.5°	366.2	306.2	280.8	242.2	357.1
60°	331.6	258.4	239.1	212.6	327.6
62.5°	303.1	222.8	218.8	192.3	297.1
65°	272.7	198.4	197.4	175.0	252.3
67.5°	243.2	182.1	181.1	158.7	192.3
70°	211.6	164.8	162.8	141.4	142.5
72.5°	179.0	145.5	143.5	127.2	118.0
75°	146.5	123.1	122.0	110.9	95.6
77.5°	115.0	97.6	99.7	89.6	70.2
80°	82.4	71.2	73.2	64.1	52.9
82.5°	54.9	46.8	48.8	40.7	35.6
85°	30.5	26.5	27.5	21.3	16.2
87.5°	14.2	12.2	12.2	8.2	5.1
90°	17.6	11.2	10.4	7.2	4.0
92.5°	108.2	76.9	70.1	43.0	15.9
95°	266.2	149.9	137.5	87.9	38.3
97.5°	358.5	164.6	153.7	109.9	66.1
100°	392.2	177.0	167.1	127.4	87.7
102.5°	407.6	189.3	180.1	143.1	106.0
105°	419.0	207.7	199.9	168.6	137.1
107.5°	421.2	234.8	227.5	198.3	169.0
110°	418.0	249.9	243.3	217.0	190.6



TEST NUMBER: P935622

CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	418.0	268.3	262.0	236.9	211.7
115°	422.0	295.8	290.1	266.8	243.6
117.5°	429.8	322.6	317.3	296.2	275.1
120°	436.2	338.1	333.2	313.3	293.4
122.5°	445.4	356.4	351.4	331.4	311.4
125°	457.7	379.9	375.4	357.1	338.9
127.5°	470.0	402.6	398.0	379.6	361.2
130°	479.1	417.8	412.9	393.0	373.1
132.5°	486.4	430.2	425.3	405.4	385.5
135°	494.3	444.5	440.0	422.0	403.9
137.5°	506.3	462.8	458.4	440.4	422.6
140°	513.7	475.2	471.1	454.6	438.1
142.5°	519.8	484.4	480.6	465.3	450.1
145°	527.7	498.3	495.0	481.7	468.5
147.5°	539.4	515.9	512.7	499.7	486.8
150°	545.5	525.1	522.1	510.4	498.7
152.5°	549.5	531.1	528.8	520.0	511.1
155°	558.2	544.2	542.5	536.0	529.5
157.5°	567.0	557.3	555.7	549.4	543.0
160°	571.0	563.3	562.1	557.1	552.2
162.5°	575.3	569.7	568.8	565.0	561.3
165°	581.4	578.9	578.0	574.7	571.3
167.5°	586.2	584.0	583.7	582.0	580.5
170°	590.2	590.1	589.7	588.0	586.4
172.5°	590.4	590.4	590.4	590.0	589.7
175°	592.8	594.1	594.1	594.1	594.1
177.5°	593.1	594.1	594.1	594.1	594.1
180°	594.1	594.1	594.1	594.1	594.1



TEST NUMBER: P935622
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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	12.00	12.79	13.02	13.83	15.21	14.80	15.59	15.82	16.62	18.00
	3H	12.47	13.18	13.51	14.22	15.62	16.13	16.84	17.16	17.88	19.28
	4H	12.66	13.33	13.71	14.38	15.78	16.56	17.24	17.61	18.28	19.69
	6H	12.78	13.40	13.83	14.44	15.86	16.84	17.46	17.89	18.50	19.92
	8H	12.78	13.37	13.84	14.43	15.84	16.91	17.50	17.97	18.56	19.97
	12H	12.74	13.31	13.81	14.36	15.80	16.94	17.50	18.00	18.55	19.99
4H	2H	13.02	13.69	14.07	14.73	16.14	15.20	15.87	16.25	16.92	18.32
	3H	14.04	14.60	15.10	15.67	17.09	16.69	17.25	17.75	18.32	19.74
	4H	14.31	14.82	15.38	15.89	17.33	17.21	17.72	18.28	18.78	20.23
	6H	14.43	14.87	15.51	15.96	17.40	17.56	18.00	18.64	19.09	20.53
	8H	14.44	14.85	15.51	15.93	17.38	17.66	18.08	18.74	19.15	20.61
	12H	14.40	14.77	15.49	15.86	17.32	17.71	18.08	18.80	19.17	20.63
8H	4H	14.75	15.17	15.83	16.24	17.70	17.33	17.74	18.40	18.82	20.27
	6H	15.01	15.35	16.11	16.47	17.92	17.75	18.09	18.85	19.21	20.66
	8H	15.05	15.35	16.16	16.45	17.92	17.90	18.20	19.01	19.30	20.77
	12H	15.04	15.30	16.14	16.40	17.90	17.99	18.25	19.10	19.35	20.86
12H	4H	14.76	15.13	15.85	16.22	17.68	17.29	17.66	18.38	18.75	20.21
	6H	15.07	15.37	16.18	16.47	17.94	17.75	18.05	18.86	19.15	20.62
	8H	15.13	15.40	16.24	16.49	18.00	17.90	18.17	19.01	19.26	20.77