

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: P935674

Luminaire Tested: SQ4-FA-125U-100D-940-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935674
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-940-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

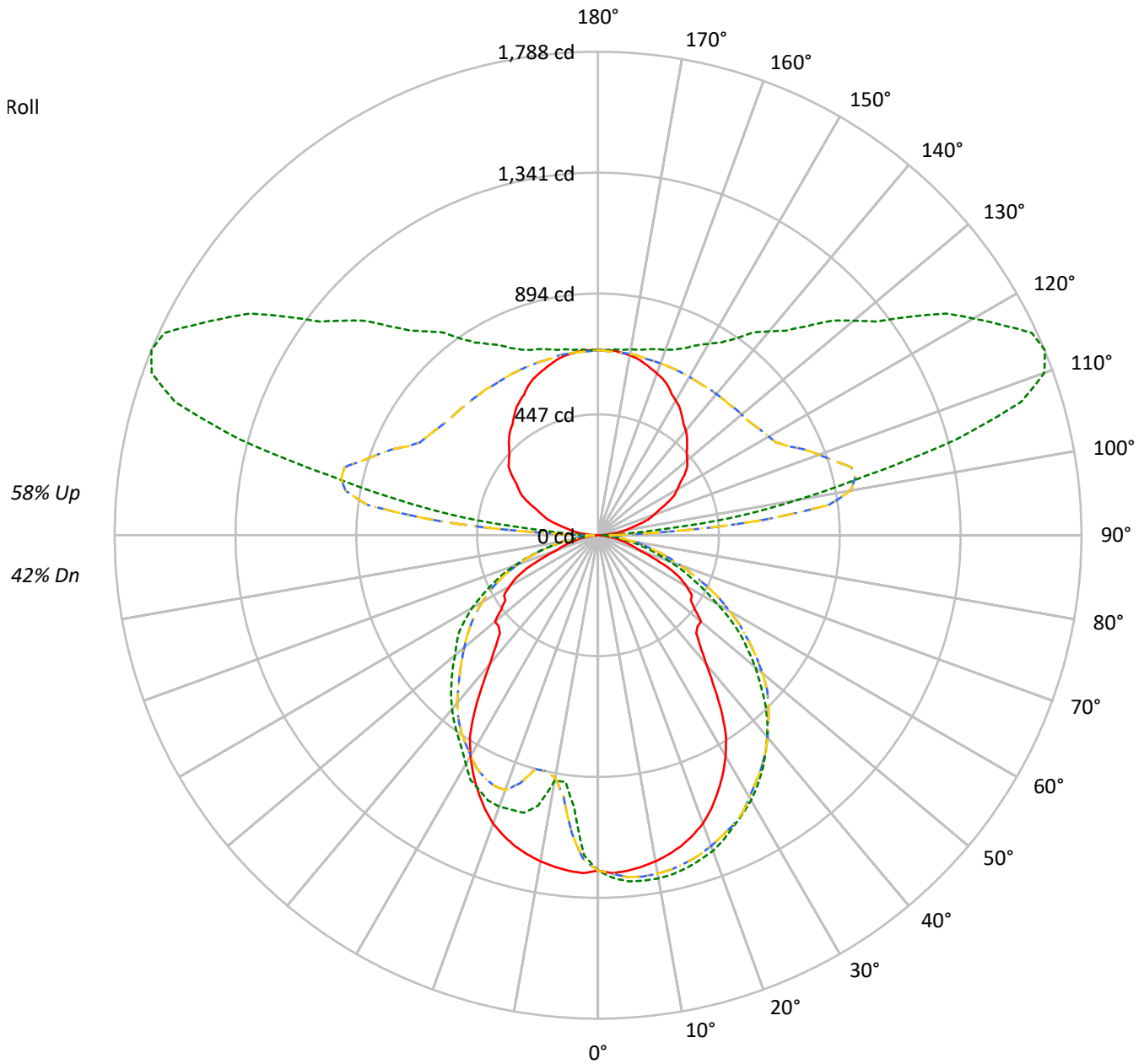
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7659.0 lumens
Efficiency: N/A
Efficacy: 118.9 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: P935674
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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°	11507	11507	11507	11507
5°	11581	11617	11581	9134
10°	11491	11442	11491	8181
15°	11353	11194	11353	9347
20°	11102	10901	11102	9367
25°	10604	10472	10604	9169
30°	9963	10117	9963	8733
35°	8869	9668	8869	8254
40°	7378	9137	7378	7892
45°	6579	8518	6579	7477
50°	6974	7779	6974	7059
55°	6543	6983	6543	6817
60°	6720	5929	6720	6243
65°	6064	4901	6064	5479
70°	4171	3906	4171	4593
75°	3617	2888	3617	3458
80°	2855	1909	2855	2079
85°	1548	1011	1548	860

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10103 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	1.5
10°-20°	317.8	4.1
20°-30°	491.3	6.4
30°-40°	586.5	7.7
40°-50°	590.0	7.7
50°-60°	513.3	6.7
60°-70°	364.0	4.8
70°-80°	192.6	2.5
80°-90°	50.6	0.7
90°-100°	333.9	4.4
100°-110°	877.9	11.5
110°-120°	910.3	11.9
120°-130°	730.2	9.5
130°-140°	572.9	7.5
140°-150°	439.7	5.7
150°-160°	316.7	4.1
160°-170°	193.8	2.5
170°-180°	65.5	0.9
0°-30°	921.1	12.0
0°-40°	1507.6	19.7
0°-60°	2611.0	34.1
0°-90°	3218.0	42.0
90°-120°	2122.2	27.7
90°-150°	3865.0	50.5
90°-180°	4441.0	58.0
0°-180°	7659.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1240	1240	1240	1240	1240	
5°	1246	1285	1246	1010	1246	118
15°	1190	1273	1190	1063	1190	335
25°	1048	1187	1048	1040	1048	481
35°	797	1060	797	905	797	493
45°	514	873	514	766	514	412
55°	419	644	419	629	419	385
65°	291	388	291	434	291	278
75°	110	184	110	221	110	116
85°	19	47	19	40	19	25
90°	5	18	5	18	5	5
95°	44	202	44	202	44	49
105°	158	1375	158	1375	158	168
115°	281	1770	281	1770	281	277
125°	391	1410	391	1410	391	347
135°	466	1094	466	1094	466	360
145°	540	887	540	887	540	338
155°	611	764	611	764	611	281
165°	659	712	659	712	659	186
175°	685	690	685	690	685	65
180°	685	685	685	685	685	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1250.7	1250.7	1257.8	1260.1	1260.1	1256.5	1253.1	1256.5	1267.1	1270.6	1269.5
5°	1246.0	1255.4	1268.3	1270.6	1272.9	1271.8	1269.5	1271.8	1283.5	1285.9	1287.1
7.5°	1236.6	1254.2	1270.6	1274.2	1277.7	1274.2	1272.9	1275.3	1287.1	1289.4	1289.4
10°	1224.9	1249.5	1268.3	1270.6	1274.2	1270.6	1270.6	1275.3	1287.1	1289.4	1290.6
12.5°	1208.5	1242.5	1260.1	1262.5	1267.1	1265.9	1264.8	1269.5	1281.2	1283.5	1283.5
15°	1189.7	1229.6	1246.0	1248.4	1256.5	1254.2	1254.2	1258.9	1271.8	1275.3	1274.2
17.5°	1163.9	1213.2	1231.9	1235.5	1241.3	1240.1	1241.3	1246.0	1257.8	1260.1	1261.2
20°	1134.5	1190.9	1213.2	1216.6	1222.5	1222.5	1222.5	1228.4	1240.1	1244.8	1244.8
22.5°	1094.6	1167.4	1190.9	1193.2	1200.2	1200.2	1202.6	1210.8	1221.4	1222.5	1222.5
25°	1047.8	1141.6	1161.5	1168.6	1175.6	1179.1	1182.6	1187.3	1190.9	1189.7	1190.9
27.5°	998.5	1108.8	1134.5	1139.2	1148.6	1152.2	1156.8	1158.0	1159.2	1162.7	1160.3
30°	943.3	1062.9	1101.7	1106.4	1121.6	1123.9	1119.3	1121.6	1127.5	1129.9	1132.2
32.5°	881.1	994.9	1067.6	1078.2	1092.3	1085.2	1084.1	1087.6	1097.0	1097.0	1099.3
35°	796.6	942.2	1036.0	1045.4	1055.9	1047.8	1052.4	1053.6	1059.5	1062.9	1061.8
37.5°	703.9	896.3	1003.2	1010.2	1018.4	1007.8	1014.9	1018.4	1023.1	1020.8	1020.8
40°	621.9	824.8	964.5	969.1	976.2	967.9	974.9	977.3	979.6	977.3	976.2
42.5°	560.9	746.2	923.3	929.2	924.5	930.4	932.8	937.5	933.9	929.2	929.2
45°	513.9	725.1	878.8	885.8	878.8	888.2	891.6	891.6	881.1	878.8	877.6
47.5°	498.6	682.9	834.2	834.2	830.6	842.4	848.3	840.0	829.5	826.0	826.0
50°	497.5	635.9	773.2	768.5	784.9	799.0	793.2	784.9	776.7	763.8	763.8
52.5°	451.7	578.4	694.6	712.2	738.0	746.2	736.8	728.6	714.5	708.6	703.9
55°	418.9	518.6	623.0	658.2	685.2	695.7	678.2	669.9	648.8	645.3	642.9
57.5°	411.9	431.7	557.3	601.9	634.7	633.6	623.0	607.7	590.2	586.6	585.5
60°	377.8	312.0	486.9	539.7	573.7	570.2	560.9	546.7	530.3	528.0	525.6
62.5°	342.6	226.4	407.1	467.0	515.0	513.9	505.7	484.6	472.9	467.0	462.3
65°	291.0	190.0	289.8	388.3	457.6	459.9	442.3	427.0	414.2	407.1	405.9
67.5°	221.7	154.9	195.9	323.9	402.4	400.0	377.8	370.7	354.3	350.8	343.7
70°	164.3	103.3	136.1	262.8	348.5	342.6	325.0	316.7	301.6	293.3	288.6
72.5°	136.1	83.3	99.7	204.2	293.3	286.3	271.0	261.6	248.7	241.7	237.0
75°	110.3	88.0	76.3	151.3	238.2	233.5	219.4	210.0	199.4	190.0	191.3
77.5°	81.0	82.1	61.0	111.4	188.9	181.9	173.6	161.9	157.2	147.9	147.9
80°	61.0	64.6	45.7	76.3	136.1	136.1	129.0	120.9	112.6	108.0	108.0
82.5°	41.0	41.0	34.0	48.1	92.7	89.2	84.4	82.1	77.4	75.1	75.1
85°	18.7	23.4	21.1	29.3	50.4	52.8	52.8	50.4	49.3	46.9	48.1
87.5°	5.9	10.6	12.9	16.4	25.8	27.0	28.1	28.1	28.1	29.3	29.3
90°	4.6	8.3	12.0	12.9	20.2	30.0	34.9	31.0	23.3	17.5	17.5
92.5°	18.4	49.6	80.9	88.7	124.8	172.8	196.8	172.4	123.9	87.4	83.9
95°	44.1	101.3	158.6	172.9	307.0	485.7	575.2	513.3	389.5	296.6	286.0
97.5°	76.3	126.7	177.2	189.9	413.5	711.6	860.6	821.5	743.3	684.6	664.6
100°	101.1	147.0	192.7	204.2	452.3	783.0	948.5	951.3	957.1	961.3	937.5
102.5°	122.3	165.0	207.7	218.4	470.0	805.6	973.3	1023.2	1123.0	1197.7	1177.3
105°	158.2	194.4	230.5	239.6	483.2	808.2	970.6	1082.4	1305.9	1473.5	1462.5
107.5°	194.9	228.7	262.4	270.8	485.7	772.2	915.4	1071.4	1383.1	1617.0	1619.6
110°	219.8	250.2	280.6	288.2	482.0	740.3	869.4	1043.8	1392.4	1653.8	1665.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	244.1	273.1	302.1	309.4	482.1	712.4	827.6	1006.0	1362.8	1630.4	1648.0
115°	280.9	307.7	334.5	341.2	486.6	680.5	777.4	949.3	1293.0	1550.8	1575.1
117.5°	317.3	341.6	365.9	372.0	495.7	660.6	743.0	898.0	1208.2	1440.9	1467.9
120°	338.4	361.3	384.2	389.9	503.1	653.8	729.2	871.0	1154.3	1366.9	1393.2
122.5°	359.1	382.2	405.3	411.1	513.6	650.3	718.7	846.3	1101.5	1292.8	1318.8
125°	390.8	411.9	432.9	438.1	527.8	647.4	707.1	815.5	1032.3	1194.9	1218.8
127.5°	416.6	437.8	459.0	464.3	542.0	645.7	697.4	790.5	976.7	1116.3	1136.5
130°	430.3	453.2	476.1	481.8	552.5	646.7	693.8	776.6	942.3	1066.7	1085.2
132.5°	444.6	467.5	490.4	496.1	560.9	647.4	690.6	764.7	913.1	1024.4	1041.0
135°	465.8	486.6	507.4	512.6	570.1	646.7	685.1	747.3	871.5	964.6	979.0
137.5°	487.3	507.9	528.6	533.8	583.9	650.7	684.1	736.6	841.6	920.4	932.1
140°	505.3	524.3	543.3	548.1	592.4	651.4	680.9	726.3	817.0	885.1	896.1
142.5°	519.0	536.6	554.2	558.6	599.4	653.7	680.9	720.8	800.4	860.2	869.6
145°	540.3	555.5	570.9	574.7	608.5	653.7	676.3	708.9	774.1	823.0	830.2
147.5°	561.4	576.3	591.2	595.0	622.0	658.2	676.3	702.0	753.3	791.7	797.7
150°	575.2	588.7	602.2	605.5	629.1	660.6	676.3	698.0	741.3	773.8	778.6
152.5°	589.5	599.7	609.9	612.5	633.8	662.1	676.3	694.8	731.8	759.5	763.1
155°	610.6	618.1	625.7	627.5	643.8	665.5	676.3	691.0	720.4	742.5	744.9
157.5°	626.2	633.6	640.9	642.7	653.9	668.8	676.3	687.8	710.7	727.8	729.5
160°	636.8	642.5	648.2	649.7	658.5	670.4	676.3	686.1	705.7	720.4	721.4
162.5°	647.4	651.6	656.0	657.0	663.4	672.0	676.3	684.6	701.2	713.6	714.5
165°	658.8	662.7	666.6	667.6	670.5	674.3	676.3	682.3	694.1	702.9	703.9
167.5°	669.5	671.2	673.1	673.5	676.0	679.3	680.9	684.8	692.6	698.4	698.9
170°	676.3	678.2	680.0	680.5	680.7	680.8	680.9	684.8	692.6	698.4	698.4
172.5°	680.0	680.4	680.8	680.9	680.9	680.9	680.9	683.9	690.1	694.7	694.3
175°	685.1	685.1	685.1	685.1	683.7	681.8	680.9	682.9	686.7	689.6	689.6
177.5°	685.1	685.1	685.1	685.1	684.0	682.5	681.8	683.3	686.4	688.7	688.3
180°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1271.8	1268.3	1271.8	1269.5	1270.6	1267.1	1256.5	1253.1	1256.5	1260.1	1260.1
5°	1287.1	1284.8	1287.1	1287.1	1285.9	1283.5	1271.8	1269.5	1271.8	1272.9	1270.6
7.5°	1291.8	1288.2	1291.8	1289.4	1289.4	1287.1	1275.3	1272.9	1274.2	1277.7	1274.2
10°	1291.8	1288.2	1291.8	1290.6	1289.4	1287.1	1275.3	1270.6	1270.6	1274.2	1270.6
12.5°	1285.9	1283.5	1285.9	1283.5	1283.5	1281.2	1269.5	1264.8	1265.9	1267.1	1262.5
15°	1276.5	1272.9	1276.5	1274.2	1275.3	1271.8	1258.9	1254.2	1254.2	1256.5	1248.4
17.5°	1262.5	1257.8	1262.5	1261.2	1260.1	1257.8	1246.0	1241.3	1240.1	1241.3	1235.5
20°	1246.0	1242.5	1246.0	1244.8	1244.8	1240.1	1228.4	1222.5	1222.5	1222.5	1216.6
22.5°	1220.2	1216.6	1220.2	1222.5	1222.5	1221.4	1210.8	1202.6	1200.2	1200.2	1193.2
25°	1190.9	1187.3	1190.9	1190.9	1189.7	1190.9	1187.3	1182.6	1179.1	1175.6	1168.6
27.5°	1162.7	1160.3	1162.7	1160.3	1162.7	1159.2	1158.0	1156.8	1152.2	1148.6	1139.2
30°	1134.5	1132.2	1134.5	1132.2	1129.9	1127.5	1121.6	1119.3	1123.9	1121.6	1106.4
32.5°	1099.3	1097.0	1099.3	1099.3	1097.0	1097.0	1087.6	1084.1	1085.2	1092.3	1078.2
35°	1062.9	1059.5	1062.9	1061.8	1062.9	1059.5	1053.6	1052.4	1047.8	1055.9	1045.4
37.5°	1020.8	1017.2	1020.8	1020.8	1020.8	1023.1	1018.4	1014.9	1007.8	1018.4	1010.2
40°	977.3	972.6	977.3	976.2	977.3	979.6	977.3	974.9	967.9	976.2	969.1
42.5°	928.0	926.9	928.0	929.2	929.2	933.9	937.5	932.8	930.4	924.5	929.2
45°	875.2	872.9	875.2	877.6	878.8	881.1	891.6	891.6	888.2	878.8	885.8
47.5°	818.9	813.1	818.9	826.0	826.0	829.5	840.0	848.3	842.4	830.6	834.2
50°	759.1	760.3	759.1	763.8	763.8	776.7	784.9	793.2	799.0	784.9	768.5
52.5°	700.5	699.3	700.5	703.9	708.6	714.5	728.6	736.8	746.2	738.0	712.2
55°	641.8	644.2	641.8	642.9	645.3	648.8	669.9	678.2	695.7	685.2	658.2
57.5°	583.1	579.6	583.1	585.5	586.6	590.2	607.7	623.0	633.6	634.7	601.9
60°	515.0	510.3	515.0	525.6	528.0	530.3	546.7	560.9	570.2	573.7	539.7
62.5°	455.2	447.0	455.2	462.3	467.0	472.9	484.6	505.7	513.9	515.0	467.0
65°	391.9	388.3	391.9	405.9	407.1	414.2	427.0	442.3	459.9	457.6	388.3
67.5°	334.4	334.4	334.4	343.7	350.8	354.3	370.7	377.8	400.0	402.4	323.9
70°	281.6	280.4	281.6	288.6	293.3	301.6	316.7	325.0	342.6	348.5	262.8
72.5°	231.1	230.0	231.1	237.0	241.7	248.7	261.6	271.0	286.3	293.3	204.2
75°	186.6	184.2	186.6	191.3	190.0	199.4	210.0	219.4	233.5	238.2	151.3
77.5°	143.1	143.1	143.1	147.9	147.9	157.2	161.9	173.6	181.9	188.9	111.4
80°	106.7	105.6	106.7	108.0	108.0	112.6	120.9	129.0	136.1	136.1	76.3
82.5°	75.1	72.7	75.1	75.1	75.1	77.4	82.1	84.4	89.2	92.7	48.1
85°	46.9	46.9	46.9	48.1	46.9	49.3	50.4	52.8	52.8	50.4	29.3
87.5°	30.5	29.3	30.5	29.3	29.3	28.1	28.1	28.1	27.0	25.8	16.4
90°	17.5	17.5	17.5	17.5	17.5	23.3	31.0	34.9	30.0	20.2	12.9
92.5°	70.0	56.1	70.0	83.9	87.4	123.9	172.4	196.8	172.8	124.8	88.7
95°	243.9	201.8	243.9	286.0	296.6	389.5	513.3	575.2	485.7	307.0	172.9
97.5°	584.5	504.4	584.5	664.6	684.6	743.3	821.5	860.6	711.6	413.5	189.9
100°	842.1	746.6	842.1	937.5	961.3	957.1	951.3	948.5	783.0	452.3	204.2
102.5°	1095.5	1013.8	1095.5	1177.3	1197.7	1123.0	1023.2	973.3	805.6	470.0	218.4
105°	1418.7	1374.7	1418.7	1462.5	1473.5	1305.9	1082.4	970.6	808.2	483.2	239.6
107.5°	1630.3	1640.9	1630.3	1619.6	1617.0	1383.1	1071.4	915.4	772.2	485.7	270.8
110°	1711.0	1756.7	1711.0	1665.3	1653.8	1392.4	1043.8	869.4	740.3	482.0	288.2



TEST NUMBER: P935674

CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1718.2	1788.5	1718.2	1648.0	1630.4	1362.8	1006.0	827.6	712.4	482.1	309.4
115°	1672.6	1770.1	1672.6	1575.1	1550.8	1293.0	949.3	777.4	680.5	486.6	341.2
117.5°	1576.0	1684.1	1576.0	1467.9	1440.9	1208.2	898.0	743.0	660.6	495.7	372.0
120°	1498.1	1603.2	1498.1	1393.2	1366.9	1154.3	871.0	729.2	653.8	503.1	389.9
122.5°	1422.3	1525.9	1422.3	1318.8	1292.8	1101.5	846.3	718.7	650.3	513.6	411.1
125°	1314.2	1409.6	1314.2	1218.8	1194.9	1032.3	815.5	707.1	647.4	527.8	438.1
127.5°	1216.9	1297.5	1216.9	1136.5	1116.3	976.7	790.5	697.4	645.7	542.0	464.3
130°	1159.6	1234.1	1159.6	1085.2	1066.7	942.3	776.6	693.8	646.7	552.5	481.8
132.5°	1107.6	1174.2	1107.6	1041.0	1024.4	913.1	764.7	690.6	647.4	560.9	496.1
135°	1036.4	1093.7	1036.4	979.0	964.6	871.5	747.3	685.1	646.7	570.1	512.6
137.5°	979.2	1026.2	979.2	932.1	920.4	841.6	736.6	684.1	650.7	583.9	533.8
140°	939.9	983.9	939.9	896.1	885.1	817.0	726.3	680.9	651.4	592.4	548.1
142.5°	907.4	945.3	907.4	869.6	860.2	800.4	720.8	680.9	653.7	599.4	558.6
145°	858.8	887.4	858.8	830.2	823.0	774.1	708.9	676.3	653.7	608.5	574.7
147.5°	821.3	845.0	821.3	797.7	791.7	753.3	702.0	676.3	658.2	622.0	595.0
150°	797.9	817.0	797.9	778.6	773.8	741.3	698.0	676.3	660.6	629.1	605.5
152.5°	777.6	792.2	777.6	763.1	759.5	731.8	694.8	676.3	662.1	633.8	612.5
155°	754.5	764.1	754.5	744.9	742.5	720.4	691.0	676.3	665.5	643.8	627.5
157.5°	736.2	743.0	736.2	729.5	727.8	710.7	687.8	676.3	668.8	653.9	642.7
160°	725.3	729.2	725.3	721.4	720.4	705.7	686.1	676.3	670.4	658.5	649.7
162.5°	718.2	721.9	718.2	714.5	713.6	701.2	684.6	676.3	672.0	663.4	657.0
165°	707.8	711.7	707.8	703.9	702.9	694.1	682.3	676.3	674.3	670.5	667.6
167.5°	700.5	702.1	700.5	698.9	698.4	692.6	684.8	680.9	679.3	676.0	673.5
170°	698.4	698.4	698.4	698.4	698.4	692.6	684.8	680.9	680.8	680.7	680.5
172.5°	692.9	691.5	692.9	694.3	694.7	690.1	683.9	680.9	680.9	680.9	680.9
175°	689.6	689.6	689.6	689.6	689.6	686.7	682.9	680.9	681.8	683.7	685.1
177.5°	686.7	685.1	686.7	688.3	688.7	686.4	683.3	681.8	682.5	684.0	685.1
180°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1



TEST NUMBER: P935674

CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1257.8	1250.7	1250.7	1238.9	1234.2	1230.8	1224.9	1207.3	1202.6	1197.9	1204.9
5°	1268.3	1255.4	1246.0	1224.9	1207.3	1200.2	1177.9	1135.8	1107.5	1086.5	1074.7
7.5°	1270.6	1254.2	1236.6	1203.8	1161.5	1142.8	1074.7	997.3	976.2	957.4	945.6
10°	1268.3	1249.5	1224.9	1175.6	1075.9	1043.0	974.9	924.5	911.6	908.1	911.6
12.5°	1260.1	1242.5	1208.5	1126.3	986.7	964.5	924.5	895.2	892.9	898.7	930.4
15°	1246.0	1229.6	1189.7	1060.6	937.5	921.0	892.9	882.3	895.2	936.2	1031.3
17.5°	1231.9	1213.2	1163.9	996.1	899.9	888.2	868.2	889.3	962.1	1017.2	1048.9
20°	1213.2	1190.9	1134.5	949.2	872.9	862.3	852.9	948.0	1003.2	1023.1	1040.6
22.5°	1190.9	1167.4	1094.6	916.3	844.8	836.5	842.4	980.9	1003.2	1017.2	1032.5
25°	1161.5	1141.6	1047.8	890.5	822.5	813.1	835.3	977.3	990.2	993.8	1024.2
27.5°	1134.5	1108.8	998.5	867.0	795.5	791.9	841.2	962.1	971.5	974.9	1007.8
30°	1101.7	1062.9	943.3	842.4	767.3	766.2	842.4	943.3	940.9	950.3	983.2
32.5°	1067.6	994.9	881.1	811.9	740.3	739.2	834.2	915.2	912.8	925.7	950.3
35°	1036.0	942.2	796.6	776.7	706.3	707.5	814.2	882.3	883.5	895.2	910.5
37.5°	1003.2	896.3	703.9	738.0	673.5	673.5	787.2	851.8	849.5	852.9	874.1
40°	964.5	824.8	621.9	687.5	642.9	639.4	754.4	818.9	810.7	809.6	838.9
42.5°	923.3	746.2	560.9	620.6	607.7	603.0	714.5	779.0	763.8	767.3	804.9
45°	878.8	725.1	513.9	524.5	571.3	567.9	671.1	733.3	722.7	732.2	770.9
47.5°	834.2	682.9	498.6	435.3	532.6	531.5	623.0	688.7	682.9	692.2	733.3
50°	773.2	635.9	497.5	373.1	489.3	493.9	565.5	645.3	645.3	653.5	696.9
52.5°	694.6	578.4	451.7	337.9	438.8	452.9	515.0	607.7	610.1	618.3	657.0
55°	623.0	518.6	418.9	310.9	379.0	409.5	465.8	569.0	573.7	581.9	617.2
57.5°	557.3	431.7	411.9	279.3	323.9	353.2	422.3	531.5	533.9	540.9	574.9
60°	486.9	312.0	377.8	245.2	275.7	298.0	382.5	486.9	495.1	499.8	529.2
62.5°	407.1	226.4	342.6	221.7	252.3	257.0	349.6	444.6	455.2	458.7	476.3
65°	289.8	190.0	291.0	201.8	227.6	228.7	314.4	401.3	410.6	416.5	429.4
67.5°	195.9	154.9	221.7	183.0	208.9	210.0	280.4	350.8	363.7	368.4	376.6
70°	136.1	103.3	164.3	163.1	187.7	190.0	244.0	305.0	316.7	320.3	325.0
72.5°	99.7	83.3	136.1	146.7	165.4	167.7	206.5	253.4	265.2	268.7	271.0
75°	76.3	88.0	110.3	127.9	140.7	142.0	169.0	206.5	214.7	217.0	218.2
77.5°	61.0	82.1	81.0	103.3	115.0	112.6	132.6	159.6	166.6	166.6	166.6
80°	45.7	64.6	61.0	73.9	84.4	82.1	95.0	113.8	116.2	118.5	117.3
82.5°	34.0	41.0	41.0	46.9	56.3	54.0	63.3	73.9	73.9	73.9	76.3
85°	21.1	23.4	18.7	24.6	31.7	30.5	35.2	39.9	41.0	41.0	38.7
87.5°	12.9	10.6	5.9	9.4	14.1	14.1	16.4	17.6	16.4	16.4	16.4
90°	12.0	8.3	4.6	8.3	12.0	12.9	20.2	30.0	34.9	31.0	23.3
92.5°	80.9	49.6	18.4	49.6	80.9	88.7	124.8	172.8	196.8	172.4	123.9
95°	158.6	101.3	44.1	101.3	158.6	172.9	307.0	485.7	575.2	513.3	389.5
97.5°	177.2	126.7	76.3	126.7	177.2	189.9	413.5	711.6	860.6	821.5	743.3
100°	192.7	147.0	101.1	147.0	192.7	204.2	452.3	783.0	948.5	951.3	957.1
102.5°	207.7	165.0	122.3	165.0	207.7	218.4	470.0	805.6	973.3	1023.2	1123.0
105°	230.5	194.4	158.2	194.4	230.5	239.6	483.2	808.2	970.6	1082.4	1305.9
107.5°	262.4	228.7	194.9	228.7	262.4	270.8	485.7	772.2	915.4	1071.4	1383.1
110°	280.6	250.2	219.8	250.2	280.6	288.2	482.0	740.3	869.4	1043.8	1392.4



TEST NUMBER: P935674

CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	302.1	273.1	244.1	273.1	302.1	309.4	482.1	712.4	827.6	1006.0	1362.8
115°	334.5	307.7	280.9	307.7	334.5	341.2	486.6	680.5	777.4	949.3	1293.0
117.5°	365.9	341.6	317.3	341.6	365.9	372.0	495.7	660.6	743.0	898.0	1208.2
120°	384.2	361.3	338.4	361.3	384.2	389.9	503.1	653.8	729.2	871.0	1154.3
122.5°	405.3	382.2	359.1	382.2	405.3	411.1	513.6	650.3	718.7	846.3	1101.5
125°	432.9	411.9	390.8	411.9	432.9	438.1	527.8	647.4	707.1	815.5	1032.3
127.5°	459.0	437.8	416.6	437.8	459.0	464.3	542.0	645.7	697.4	790.5	976.7
130°	476.1	453.2	430.3	453.2	476.1	481.8	552.5	646.7	693.8	776.6	942.3
132.5°	490.4	467.5	444.6	467.5	490.4	496.1	560.9	647.4	690.6	764.7	913.1
135°	507.4	486.6	465.8	486.6	507.4	512.6	570.1	646.7	685.1	747.3	871.5
137.5°	528.6	507.9	487.3	507.9	528.6	533.8	583.9	650.7	684.1	736.6	841.6
140°	543.3	524.3	505.3	524.3	543.3	548.1	592.4	651.4	680.9	726.3	817.0
142.5°	554.2	536.6	519.0	536.6	554.2	558.6	599.4	653.7	680.9	720.8	800.4
145°	570.9	555.5	540.3	555.5	570.9	574.7	608.5	653.7	676.3	708.9	774.1
147.5°	591.2	576.3	561.4	576.3	591.2	595.0	622.0	658.2	676.3	702.0	753.3
150°	602.2	588.7	575.2	588.7	602.2	605.5	629.1	660.6	676.3	698.0	741.3
152.5°	609.9	599.7	589.5	599.7	609.9	612.5	633.8	662.1	676.3	694.8	731.8
155°	625.7	618.1	610.6	618.1	625.7	627.5	643.8	665.5	676.3	691.0	720.4
157.5°	640.9	633.6	626.2	633.6	640.9	642.7	653.9	668.8	676.3	687.8	710.7
160°	648.2	642.5	636.8	642.5	648.2	649.7	658.5	670.4	676.3	686.1	705.7
162.5°	656.0	651.6	647.4	651.6	656.0	657.0	663.4	672.0	676.3	684.6	701.2
165°	666.6	662.7	658.8	662.7	666.6	667.6	670.5	674.3	676.3	682.3	694.1
167.5°	673.1	671.2	669.5	671.2	673.1	673.5	676.0	679.3	680.9	684.8	692.6
170°	680.0	678.2	676.3	678.2	680.0	680.5	680.7	680.8	680.9	684.8	692.6
172.5°	680.8	680.4	680.0	680.4	680.8	680.9	680.9	680.9	680.9	683.9	690.1
175°	685.1	685.1	685.1	685.1	685.1	685.1	683.7	681.8	680.9	682.9	686.7
177.5°	685.1	685.1	685.1	685.1	685.1	685.1	684.0	682.5	681.8	683.3	686.4
180°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1



TEST NUMBER: P935674

CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1196.8	1193.2	1197.9	1184.9	1197.9	1193.2	1196.8	1204.9	1197.9	1202.6	1207.3
5°	1050.1	1044.2	1025.5	1010.2	1025.5	1044.2	1050.1	1074.7	1086.5	1107.5	1135.8
7.5°	938.6	933.9	929.2	919.8	929.2	933.9	938.6	945.6	957.4	976.2	997.3
10°	913.9	915.2	922.2	921.0	922.2	915.2	913.9	911.6	908.1	911.6	924.5
12.5°	977.3	987.9	1026.6	1024.2	1026.6	987.9	977.3	930.4	898.7	892.9	895.2
15°	1050.1	1053.6	1061.8	1062.9	1061.8	1053.6	1050.1	1031.3	936.2	895.2	882.3
17.5°	1057.1	1058.3	1064.2	1064.2	1064.2	1058.3	1057.1	1048.9	1017.2	962.1	889.3
20°	1051.2	1053.6	1065.3	1067.6	1065.3	1053.6	1051.2	1040.6	1023.1	1003.2	948.0
22.5°	1048.9	1053.6	1062.9	1061.8	1062.9	1053.6	1048.9	1032.5	1017.2	1003.2	980.9
25°	1037.2	1037.2	1038.3	1039.5	1038.3	1037.2	1037.2	1024.2	993.8	990.2	977.3
27.5°	1012.5	1014.9	1021.9	1020.8	1021.9	1014.9	1012.5	1007.8	974.9	971.5	962.1
30°	990.2	987.9	982.0	977.3	982.0	987.9	990.2	983.2	950.3	940.9	943.3
32.5°	952.6	946.8	940.9	937.5	940.9	946.8	952.6	950.3	925.7	912.8	915.2
35°	908.1	909.3	908.1	904.6	908.1	909.3	908.1	910.5	895.2	883.5	882.3
37.5°	876.5	878.8	877.6	872.9	877.6	878.8	876.5	874.1	852.9	849.5	851.8
40°	843.6	844.8	843.6	840.0	843.6	844.8	843.6	838.9	809.6	810.7	818.9
42.5°	811.9	810.7	807.2	804.9	807.2	810.7	811.9	804.9	767.3	763.8	779.0
45°	775.5	776.7	769.6	766.2	769.6	776.7	775.5	770.9	732.2	722.7	733.3
47.5°	739.2	739.2	733.3	729.8	733.3	739.2	739.2	733.3	692.2	682.9	688.7
50°	700.5	699.3	691.0	689.9	691.0	699.3	700.5	696.9	653.5	645.3	645.3
52.5°	655.9	655.9	657.0	659.3	657.0	655.9	655.9	657.0	618.3	610.1	607.7
55°	617.2	618.3	626.5	628.9	626.5	618.3	617.2	617.2	581.9	573.7	569.0
57.5°	577.2	577.2	583.1	583.1	583.1	577.2	577.2	574.9	540.9	533.9	531.5
60°	531.5	533.9	538.5	537.3	538.5	533.9	531.5	529.2	499.8	495.1	486.9
62.5°	483.3	485.7	486.9	484.6	486.9	485.7	483.3	476.3	458.7	455.2	444.6
65°	432.9	435.3	436.5	434.1	436.5	435.3	432.9	429.4	416.5	410.6	401.3
67.5°	381.3	380.2	379.0	383.6	379.0	380.2	381.3	376.6	368.4	363.7	350.8
70°	328.5	328.5	327.3	329.7	327.3	328.5	328.5	325.0	320.3	316.7	305.0
72.5°	272.2	271.0	275.7	272.2	275.7	271.0	272.2	271.0	268.7	265.2	253.4
75°	217.0	219.4	217.0	220.6	217.0	219.4	217.0	218.2	217.0	214.7	206.5
77.5°	165.4	167.7	165.4	165.4	165.4	167.7	165.4	166.6	166.6	166.6	159.6
80°	117.3	116.2	116.2	115.0	116.2	116.2	117.3	117.3	118.5	116.2	113.8
82.5°	75.1	73.9	73.9	76.3	73.9	73.9	75.1	76.3	73.9	73.9	73.9
85°	41.0	42.3	39.9	39.9	39.9	42.3	41.0	38.7	41.0	41.0	39.9
87.5°	15.3	14.1	14.1	14.1	14.1	14.1	15.3	16.4	16.4	16.4	17.6
90°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	23.3	31.0	34.9	30.0
92.5°	87.4	83.9	70.0	56.1	70.0	83.9	87.4	123.9	172.4	196.8	172.8
95°	296.6	286.0	243.9	201.8	243.9	286.0	296.6	389.5	513.3	575.2	485.7
97.5°	684.6	664.6	584.5	504.4	584.5	664.6	684.6	743.3	821.5	860.6	711.6
100°	961.3	937.5	842.1	746.6	842.1	937.5	961.3	957.1	951.3	948.5	783.0
102.5°	1197.7	1177.3	1095.5	1013.8	1095.5	1177.3	1197.7	1123.0	1023.2	973.3	805.6
105°	1473.5	1462.5	1418.7	1374.7	1418.7	1462.5	1473.5	1305.9	1082.4	970.6	808.2
107.5°	1617.0	1619.6	1630.3	1640.9	1630.3	1619.6	1617.0	1383.1	1071.4	915.4	772.2
110°	1653.8	1665.3	1711.0	1756.7	1711.0	1665.3	1653.8	1392.4	1043.8	869.4	740.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1630.4	1648.0	1718.2	1788.5	1718.2	1648.0	1630.4	1362.8	1006.0	827.6	712.4
115°	1550.8	1575.1	1672.6	1770.1	1672.6	1575.1	1550.8	1293.0	949.3	777.4	680.5
117.5°	1440.9	1467.9	1576.0	1684.1	1576.0	1467.9	1440.9	1208.2	898.0	743.0	660.6
120°	1366.9	1393.2	1498.1	1603.2	1498.1	1393.2	1366.9	1154.3	871.0	729.2	653.8
122.5°	1292.8	1318.8	1422.3	1525.9	1422.3	1318.8	1292.8	1101.5	846.3	718.7	650.3
125°	1194.9	1218.8	1314.2	1409.6	1314.2	1218.8	1194.9	1032.3	815.5	707.1	647.4
127.5°	1116.3	1136.5	1216.9	1297.5	1216.9	1136.5	1116.3	976.7	790.5	697.4	645.7
130°	1066.7	1085.2	1159.6	1234.1	1159.6	1085.2	1066.7	942.3	776.6	693.8	646.7
132.5°	1024.4	1041.0	1107.6	1174.2	1107.6	1041.0	1024.4	913.1	764.7	690.6	647.4
135°	964.6	979.0	1036.4	1093.7	1036.4	979.0	964.6	871.5	747.3	685.1	646.7
137.5°	920.4	932.1	979.2	1026.2	979.2	932.1	920.4	841.6	736.6	684.1	650.7
140°	885.1	896.1	939.9	983.9	939.9	896.1	885.1	817.0	726.3	680.9	651.4
142.5°	860.2	869.6	907.4	945.3	907.4	869.6	860.2	800.4	720.8	680.9	653.7
145°	823.0	830.2	858.8	887.4	858.8	830.2	823.0	774.1	708.9	676.3	653.7
147.5°	791.7	797.7	821.3	845.0	821.3	797.7	791.7	753.3	702.0	676.3	658.2
150°	773.8	778.6	797.9	817.0	797.9	778.6	773.8	741.3	698.0	676.3	660.6
152.5°	759.5	763.1	777.6	792.2	777.6	763.1	759.5	731.8	694.8	676.3	662.1
155°	742.5	744.9	754.5	764.1	754.5	744.9	742.5	720.4	691.0	676.3	665.5
157.5°	727.8	729.5	736.2	743.0	736.2	729.5	727.8	710.7	687.8	676.3	668.8
160°	720.4	721.4	725.3	729.2	725.3	721.4	720.4	705.7	686.1	676.3	670.4
162.5°	713.6	714.5	718.2	721.9	718.2	714.5	713.6	701.2	684.6	676.3	672.0
165°	702.9	703.9	707.8	711.7	707.8	703.9	702.9	694.1	682.3	676.3	674.3
167.5°	698.4	698.9	700.5	702.1	700.5	698.9	698.4	692.6	684.8	680.9	679.3
170°	698.4	698.4	698.4	698.4	698.4	698.4	698.4	692.6	684.8	680.9	680.8
172.5°	694.7	694.3	692.9	691.5	692.9	694.3	694.7	690.1	683.9	680.9	680.9
175°	689.6	689.6	689.6	689.6	689.6	689.6	689.6	686.7	682.9	680.9	681.8
177.5°	688.7	688.3	686.7	685.1	686.7	688.3	688.7	686.4	683.3	681.8	682.5
180°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1224.9	1230.8	1234.2	1238.9	1250.7
5°	1177.9	1200.2	1207.3	1224.9	1246.0
7.5°	1074.7	1142.8	1161.5	1203.8	1236.6
10°	974.9	1043.0	1075.9	1175.6	1224.9
12.5°	924.5	964.5	986.7	1126.3	1208.5
15°	892.9	921.0	937.5	1060.6	1189.7
17.5°	868.2	888.2	899.9	996.1	1163.9
20°	852.9	862.3	872.9	949.2	1134.5
22.5°	842.4	836.5	844.8	916.3	1094.6
25°	835.3	813.1	822.5	890.5	1047.8
27.5°	841.2	791.9	795.5	867.0	998.5
30°	842.4	766.2	767.3	842.4	943.3
32.5°	834.2	739.2	740.3	811.9	881.1
35°	814.2	707.5	706.3	776.7	796.6
37.5°	787.2	673.5	673.5	738.0	703.9
40°	754.4	639.4	642.9	687.5	621.9
42.5°	714.5	603.0	607.7	620.6	560.9
45°	671.1	567.9	571.3	524.5	513.9
47.5°	623.0	531.5	532.6	435.3	498.6
50°	565.5	493.9	489.3	373.1	497.5
52.5°	515.0	452.9	438.8	337.9	451.7
55°	465.8	409.5	379.0	310.9	418.9
57.5°	422.3	353.2	323.9	279.3	411.9
60°	382.5	298.0	275.7	245.2	377.8
62.5°	349.6	257.0	252.3	221.7	342.6
65°	314.4	228.7	227.6	201.8	291.0
67.5°	280.4	210.0	208.9	183.0	221.7
70°	244.0	190.0	187.7	163.1	164.3
72.5°	206.5	167.7	165.4	146.7	136.1
75°	169.0	142.0	140.7	127.9	110.3
77.5°	132.6	112.6	115.0	103.3	81.0
80°	95.0	82.1	84.4	73.9	61.0
82.5°	63.3	54.0	56.3	46.9	41.0
85°	35.2	30.5	31.7	24.6	18.7
87.5°	16.4	14.1	14.1	9.4	5.9
90°	20.2	12.9	12.0	8.3	4.6
92.5°	124.8	88.7	80.9	49.6	18.4
95°	307.0	172.9	158.6	101.3	44.1
97.5°	413.5	189.9	177.2	126.7	76.3
100°	452.3	204.2	192.7	147.0	101.1
102.5°	470.0	218.4	207.7	165.0	122.3
105°	483.2	239.6	230.5	194.4	158.2
107.5°	485.7	270.8	262.4	228.7	194.9
110°	482.0	288.2	280.6	250.2	219.8



TEST NUMBER: P935674

CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	482.1	309.4	302.1	273.1	244.1
115°	486.6	341.2	334.5	307.7	280.9
117.5°	495.7	372.0	365.9	341.6	317.3
120°	503.1	389.9	384.2	361.3	338.4
122.5°	513.6	411.1	405.3	382.2	359.1
125°	527.8	438.1	432.9	411.9	390.8
127.5°	542.0	464.3	459.0	437.8	416.6
130°	552.5	481.8	476.1	453.2	430.3
132.5°	560.9	496.1	490.4	467.5	444.6
135°	570.1	512.6	507.4	486.6	465.8
137.5°	583.9	533.8	528.6	507.9	487.3
140°	592.4	548.1	543.3	524.3	505.3
142.5°	599.4	558.6	554.2	536.6	519.0
145°	608.5	574.7	570.9	555.5	540.3
147.5°	622.0	595.0	591.2	576.3	561.4
150°	629.1	605.5	602.2	588.7	575.2
152.5°	633.8	612.5	609.9	599.7	589.5
155°	643.8	627.5	625.7	618.1	610.6
157.5°	653.9	642.7	640.9	633.6	626.2
160°	658.5	649.7	648.2	642.5	636.8
162.5°	663.4	657.0	656.0	651.6	647.4
165°	670.5	667.6	666.6	662.7	658.8
167.5°	676.0	673.5	673.1	671.2	669.5
170°	680.7	680.5	680.0	678.2	676.3
172.5°	680.9	680.9	680.8	680.4	680.0
175°	683.7	685.1	685.1	685.1	685.1
177.5°	684.0	685.1	685.1	685.1	685.1
180°	685.1	685.1	685.1	685.1	685.1



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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	12.50	13.29	13.52	14.32	15.70	15.29	16.09	16.32	17.12	18.50
	3H	12.97	13.68	14.00	14.72	16.12	16.62	17.33	17.66	18.37	19.78
	4H	13.16	13.83	14.20	14.87	16.28	17.06	17.73	18.10	18.77	20.18
	6H	13.27	13.89	14.33	14.94	16.36	17.33	17.95	18.39	19.00	20.42
	8H	13.27	13.86	14.33	14.92	16.34	17.40	17.99	18.46	19.05	20.47
	12H	13.24	13.80	14.30	14.86	16.30	17.43	17.99	18.50	19.05	20.49
4H	2H	13.51	14.19	14.56	15.23	16.64	15.70	16.37	16.75	17.41	18.82
	3H	14.53	15.09	15.59	16.16	17.59	17.19	17.75	18.25	18.82	20.24
	4H	14.81	15.32	15.87	16.38	17.82	17.70	18.22	18.77	19.28	20.72
	6H	14.93	15.37	16.00	16.45	17.89	18.06	18.50	19.13	19.58	21.02
	8H	14.93	15.34	16.01	16.42	17.87	18.16	18.57	19.23	19.65	21.10
	12H	14.90	15.27	15.99	16.36	17.82	18.21	18.58	19.30	19.67	21.13
8H	4H	15.25	15.66	16.32	16.74	18.19	17.82	18.24	18.90	19.31	20.77
	6H	15.51	15.85	16.61	16.97	18.42	18.25	18.59	19.35	19.71	21.16
	8H	15.55	15.85	16.66	16.95	18.42	18.40	18.69	19.50	19.80	21.27
	12H	15.53	15.79	16.64	16.89	18.40	18.49	18.75	19.59	19.85	21.35
12H	4H	15.25	15.62	16.34	16.71	18.17	17.79	18.16	18.88	19.25	20.71
	6H	15.57	15.87	16.67	16.97	18.44	18.25	18.55	19.35	19.65	21.12
	8H	15.63	15.89	16.74	16.99	18.50	18.40	18.66	19.51	19.76	21.27