

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: P935043

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935043
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

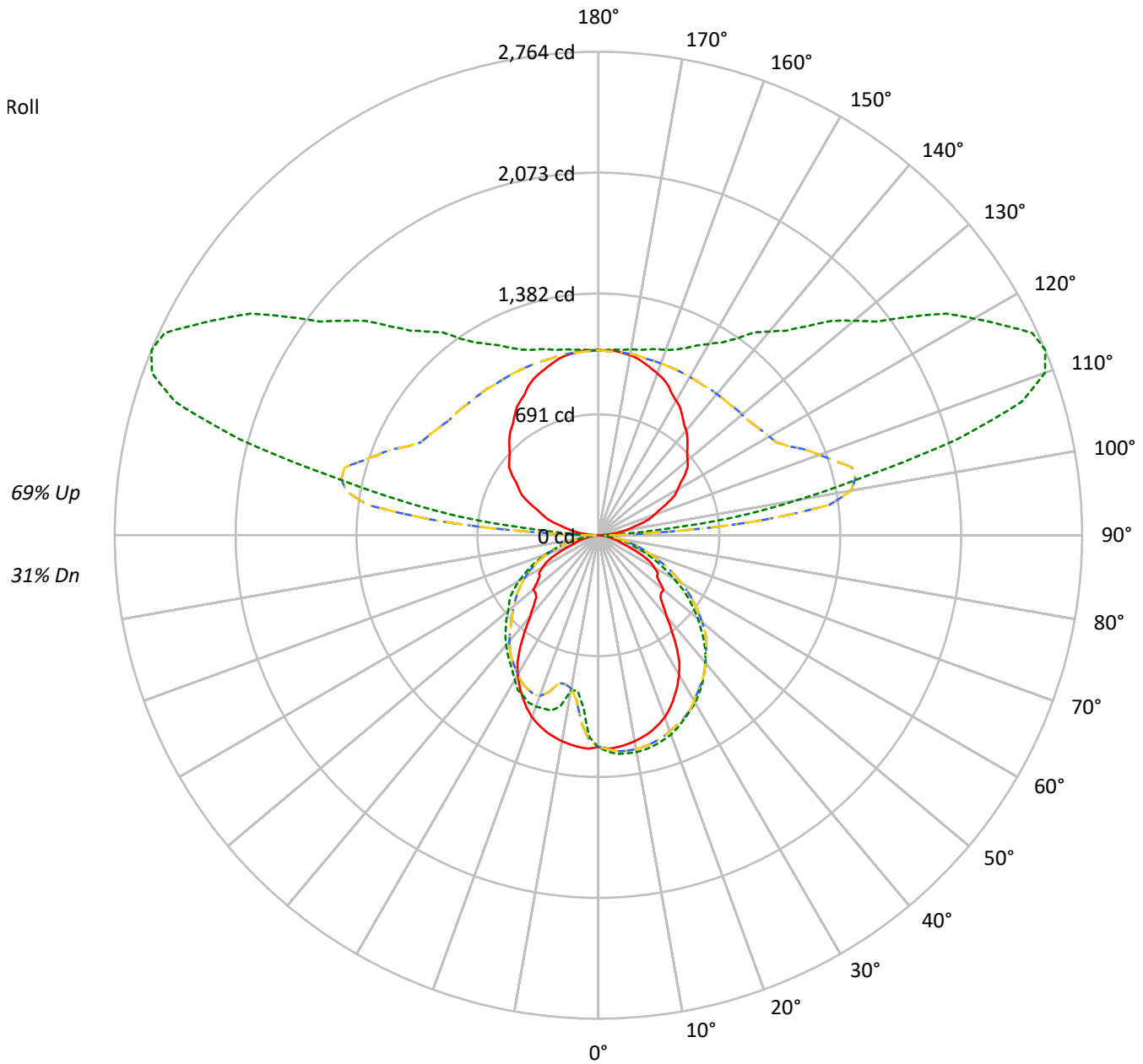
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10007.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 82.4
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

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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	
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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5619	5619	5619	5619
5°	5660	5672	5660	4459
10°	5622	5587	5622	3994
15°	5561	5465	5561	4564
20°	5445	5322	5445	4573
25°	5207	5113	5207	4476
30°	4899	4940	4899	4264
35°	4368	4720	4368	4030
40°	3639	4461	3639	3853
45°	3252	4158	3252	3650
50°	3454	3798	3454	3446
55°	3250	3409	3250	3328
60°	3351	2895	3351	3048
65°	3038	2393	3038	2675
70°	2104	1907	2104	2242
75°	1845	1410	1845	1688
80°	1485	932	1485	1014
85°	857	494	857	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4984 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	1.1
10°-20°	310.4	3.1
20°-30°	479.8	4.8
30°-40°	572.7	5.7
40°-50°	576.1	5.8
50°-60°	501.3	5.0
60°-70°	355.4	3.6
70°-80°	188.0	1.9
80°-90°	50.9	0.5
90°-100°	516.1	5.2
100°-110°	1356.8	13.6
110°-120°	1406.8	14.1
120°-130°	1128.4	11.3
130°-140°	885.4	8.8
140°-150°	679.6	6.8
150°-160°	489.4	4.9
160°-170°	299.5	3.0
170°-180°	101.2	1.0
0°-30°	899.4	9.0
0°-40°	1472.2	14.7
0°-60°	2549.5	25.5
0°-90°	3143.8	31.4
90°-120°	3279.7	32.8
90°-150°	5973.1	59.7
90°-180°	6863.0	68.6
0°-180°	10007.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1211	1211	1211	1211	1211	
5°	1217	1254	1217	986	1217	115
15°	1162	1243	1162	1038	1162	327
25°	1023	1159	1023	1015	1023	470
35°	778	1034	778	883	778	481
45°	502	852	502	748	502	402
55°	409	629	409	614	409	376
65°	284	379	284	424	284	272
75°	108	180	108	215	108	113
85°	18	46	18	39	18	25
90°	7	27	7	27	7	7
95°	68	312	68	312	68	76
105°	244	2124	244	2124	244	259
115°	434	2736	434	2736	434	429
125°	604	2178	604	2178	604	536
135°	720	1690	720	1690	720	557
145°	835	1371	835	1371	835	523
155°	944	1181	944	1181	944	434
165°	1018	1100	1018	1100	1018	287
175°	1059	1066	1059	1066	1059	100
180°	1059	1059	1059	1059	1059	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1221.2	1221.2	1228.2	1230.5	1230.5	1227.0	1223.5	1227.0	1237.3	1240.7	1239.6
5°	1216.7	1225.8	1238.5	1240.7	1243.0	1241.9	1239.6	1241.9	1253.3	1255.7	1256.8
7.5°	1207.5	1224.7	1240.7	1244.2	1247.6	1244.2	1243.0	1245.3	1256.8	1259.1	1259.1
10°	1196.0	1220.1	1238.5	1240.7	1244.2	1240.7	1240.7	1245.3	1256.8	1259.1	1260.2
12.5°	1180.0	1213.2	1230.5	1232.7	1237.3	1236.2	1235.0	1239.6	1251.0	1253.3	1253.3
15°	1161.7	1200.6	1216.7	1218.9	1227.0	1224.7	1224.7	1229.3	1241.9	1245.3	1244.2
17.5°	1136.5	1184.6	1203.0	1206.4	1212.1	1211.0	1212.1	1216.7	1228.2	1230.5	1231.6
20°	1107.8	1162.8	1184.6	1188.0	1193.7	1193.7	1193.7	1199.5	1211.0	1215.5	1215.5
22.5°	1068.9	1139.9	1162.8	1165.1	1172.0	1172.0	1174.3	1182.3	1192.6	1193.7	1193.7
25°	1023.1	1114.7	1134.2	1141.0	1147.9	1151.4	1154.8	1159.4	1162.8	1161.7	1162.8
27.5°	975.0	1082.6	1107.8	1112.4	1121.6	1125.1	1129.6	1130.8	1131.9	1135.3	1133.1
30°	921.1	1037.9	1075.8	1080.4	1095.2	1097.6	1092.9	1095.2	1101.0	1103.3	1105.6
32.5°	860.4	971.5	1042.5	1052.9	1066.6	1059.7	1058.6	1062.0	1071.2	1071.2	1073.5
35°	777.9	920.0	1011.6	1020.8	1031.1	1023.1	1027.7	1028.8	1034.5	1037.9	1036.8
37.5°	687.4	875.3	979.5	986.4	994.5	984.1	991.0	994.5	999.0	996.7	996.7
40°	607.2	805.4	941.8	946.3	953.2	945.2	952.0	954.3	956.6	954.3	953.2
42.5°	547.6	728.7	901.6	907.3	902.7	908.5	910.8	915.4	912.0	907.3	907.3
45°	501.8	708.0	858.1	865.0	858.1	867.3	870.7	870.7	860.4	858.1	856.9
47.5°	486.9	666.7	814.6	814.6	811.1	822.6	828.3	820.3	810.0	806.6	806.6
50°	485.7	621.0	755.0	750.4	766.4	780.2	774.4	766.4	758.4	745.8	745.8
52.5°	441.1	564.8	678.3	695.4	720.6	728.7	719.4	711.5	697.7	691.9	687.4
55°	409.0	506.4	608.3	642.7	669.0	679.4	662.2	654.2	633.5	630.1	627.8
57.5°	402.1	421.6	544.2	587.7	619.8	618.6	608.3	593.4	576.3	572.9	571.7
60°	368.9	304.8	475.4	527.0	560.2	556.8	547.6	533.8	517.9	515.6	513.2
62.5°	334.6	221.1	397.5	455.9	502.9	501.8	493.8	473.2	461.7	455.9	451.4
65°	284.1	185.6	283.0	379.2	446.8	449.1	431.9	417.0	404.4	397.5	396.4
67.5°	216.5	151.3	191.3	316.2	393.0	390.7	368.9	362.1	346.0	342.6	335.7
70°	160.4	100.8	132.9	256.7	340.3	334.6	317.3	309.4	294.4	286.4	281.9
72.5°	132.9	81.3	97.4	199.4	286.4	279.6	264.6	255.5	242.9	236.0	231.4
75°	107.7	85.9	74.5	147.8	232.6	228.0	214.2	205.1	194.7	185.6	186.7
77.5°	79.1	80.2	59.5	108.8	184.5	177.6	169.5	158.1	153.5	144.3	144.3
80°	59.5	63.0	44.7	74.5	132.9	132.9	126.0	118.0	110.0	105.4	105.4
82.5°	40.1	40.1	33.2	47.0	90.5	87.0	82.5	80.2	75.6	73.3	73.3
85°	18.4	22.9	20.6	28.6	49.3	51.6	51.6	49.3	48.1	45.9	47.0
87.5°	5.7	10.3	12.6	16.1	25.2	26.4	27.5	27.5	27.5	28.6	28.6
90°	7.1	12.8	18.4	19.9	31.3	46.4	54.0	48.0	36.0	27.0	27.0
92.5°	28.4	76.8	125.1	137.2	192.8	267.0	304.1	266.5	191.4	135.0	129.7
95°	68.2	156.6	245.0	267.2	474.4	750.7	888.9	793.2	601.8	458.3	442.1
97.5°	118.0	195.9	274.0	293.5	639.1	1099.8	1330.1	1269.7	1148.7	1058.0	1027.1
100°	156.3	227.0	297.8	315.5	698.9	1210.2	1465.9	1470.3	1479.1	1485.8	1448.9
102.5°	189.0	255.0	321.0	337.5	726.4	1244.9	1504.2	1581.2	1735.4	1851.0	1819.4
105°	244.5	300.3	356.2	370.2	746.8	1248.9	1499.9	1672.6	2018.1	2277.3	2260.3
107.5°	301.3	353.4	405.5	418.5	750.6	1193.3	1414.7	1655.6	2137.5	2498.9	2503.0
110°	339.6	386.7	433.7	445.5	744.9	1144.0	1343.6	1613.0	2151.7	2555.8	2573.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	377.3	422.1	467.0	478.2	745.1	1101.1	1279.0	1554.7	2106.0	2519.6	2546.8
115°	434.2	475.5	516.9	527.3	752.0	1051.7	1201.5	1467.1	1998.3	2396.7	2434.4
117.5°	490.3	527.9	565.4	574.8	766.0	1020.8	1148.2	1387.9	1867.3	2226.8	2268.6
120°	523.0	558.3	593.7	602.5	777.3	1010.4	1126.9	1345.9	1783.9	2112.4	2153.0
122.5°	554.9	590.6	626.3	635.2	793.7	1004.9	1110.5	1307.8	1702.2	1998.1	2038.1
125°	604.0	636.5	669.0	677.2	815.7	1000.4	1092.8	1260.4	1595.4	1846.7	1883.6
127.5°	643.8	676.6	709.4	717.6	837.7	997.9	1077.9	1221.7	1509.4	1725.2	1756.3
130°	665.0	700.4	735.7	744.6	853.8	999.4	1072.2	1200.2	1456.4	1648.5	1677.2
132.5°	687.1	722.4	757.8	766.7	866.9	1000.4	1067.2	1181.9	1411.1	1583.0	1608.8
135°	719.8	752.0	784.3	792.3	881.1	999.5	1058.7	1154.7	1346.7	1490.7	1512.9
137.5°	753.2	785.0	817.0	824.9	902.4	1005.7	1057.2	1138.4	1300.8	1422.5	1440.7
140°	780.8	810.2	839.6	847.0	915.4	1006.7	1052.3	1122.4	1262.7	1367.8	1384.8
142.5°	802.2	829.4	856.5	863.3	926.3	1010.3	1052.3	1113.9	1237.0	1329.5	1344.1
145°	834.9	858.6	882.3	888.2	940.6	1010.3	1045.2	1095.6	1196.3	1271.9	1282.9
147.5°	867.5	890.6	913.7	919.5	961.4	1017.3	1045.2	1084.8	1164.1	1223.5	1232.7
150°	888.9	909.7	930.6	935.8	972.3	1020.9	1045.2	1078.7	1145.6	1195.9	1203.3
152.5°	910.9	926.7	942.5	946.5	979.3	1023.2	1045.2	1073.8	1131.0	1173.8	1179.5
155°	943.6	955.3	967.0	969.9	995.0	1028.5	1045.2	1067.9	1113.4	1147.5	1151.2
157.5°	967.7	979.1	990.5	993.4	1010.6	1033.7	1045.2	1062.9	1098.2	1124.8	1127.4
160°	984.1	993.0	1001.8	1004.0	1017.8	1036.1	1045.2	1060.4	1090.7	1113.4	1115.0
162.5°	1000.4	1007.1	1013.8	1015.4	1025.3	1038.5	1045.2	1058.0	1083.5	1102.8	1104.2
165°	1018.2	1024.2	1030.2	1031.7	1036.2	1042.2	1045.2	1054.3	1072.7	1086.5	1088.0
167.5°	1034.5	1037.3	1040.2	1040.9	1044.7	1049.7	1052.3	1058.3	1070.3	1079.3	1079.9
170°	1045.2	1048.0	1050.9	1051.6	1051.9	1052.1	1052.3	1058.3	1070.3	1079.3	1079.3
172.5°	1050.9	1051.5	1052.1	1052.3	1052.3	1052.3	1052.3	1057.1	1066.5	1073.6	1073.1
175°	1058.7	1058.7	1058.7	1058.7	1056.6	1053.7	1052.3	1055.3	1061.3	1065.8	1065.8
177.5°	1058.7	1058.7	1058.7	1058.7	1057.1	1054.8	1053.7	1056.1	1060.8	1064.4	1063.8
180°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1241.9	1238.5	1241.9	1239.6	1240.7	1237.3	1227.0	1223.5	1227.0	1230.5	1230.5
5°	1256.8	1254.5	1256.8	1256.8	1255.7	1253.3	1241.9	1239.6	1241.9	1243.0	1240.7
7.5°	1261.4	1258.0	1261.4	1259.1	1259.1	1256.8	1245.3	1243.0	1244.2	1247.6	1244.2
10°	1261.4	1258.0	1261.4	1260.2	1259.1	1256.8	1245.3	1240.7	1240.7	1244.2	1240.7
12.5°	1255.7	1253.3	1255.7	1253.3	1253.3	1251.0	1239.6	1235.0	1236.2	1237.3	1232.7
15°	1246.4	1243.0	1246.4	1244.2	1245.3	1241.9	1229.3	1224.7	1224.7	1227.0	1218.9
17.5°	1232.7	1228.2	1232.7	1231.6	1230.5	1228.2	1216.7	1212.1	1211.0	1212.1	1206.4
20°	1216.7	1213.2	1216.7	1215.5	1215.5	1211.0	1199.5	1193.7	1193.7	1193.7	1188.0
22.5°	1191.5	1188.0	1191.5	1193.7	1193.7	1192.6	1182.3	1174.3	1172.0	1172.0	1165.1
25°	1162.8	1159.4	1162.8	1162.8	1161.7	1162.8	1159.4	1154.8	1151.4	1147.9	1141.0
27.5°	1135.3	1133.1	1135.3	1133.1	1135.3	1131.9	1130.8	1129.6	1125.1	1121.6	1112.4
30°	1107.8	1105.6	1107.8	1105.6	1103.3	1101.0	1095.2	1092.9	1097.6	1095.2	1080.4
32.5°	1073.5	1071.2	1073.5	1073.5	1071.2	1071.2	1062.0	1058.6	1059.7	1066.6	1052.9
35°	1037.9	1034.5	1037.9	1036.8	1037.9	1034.5	1028.8	1027.7	1023.1	1031.1	1020.8
37.5°	996.7	993.3	996.7	996.7	996.7	999.0	994.5	991.0	984.1	994.5	986.4
40°	954.3	949.7	954.3	953.2	954.3	956.6	954.3	952.0	945.2	953.2	946.3
42.5°	906.2	905.0	906.2	907.3	907.3	912.0	915.4	910.8	908.5	902.7	907.3
45°	854.6	852.3	854.6	856.9	858.1	860.4	870.7	870.7	867.3	858.1	865.0
47.5°	799.6	793.9	799.6	806.6	806.6	810.0	820.3	828.3	822.6	811.1	814.6
50°	741.2	742.4	741.2	745.8	745.8	758.4	766.4	774.4	780.2	766.4	750.4
52.5°	684.0	682.8	684.0	687.4	691.9	697.7	711.5	719.4	728.7	720.6	695.4
55°	626.7	629.0	626.7	627.8	630.1	633.5	654.2	662.2	679.4	669.0	642.7
57.5°	569.4	565.9	569.4	571.7	572.9	576.3	593.4	608.3	618.6	619.8	587.7
60°	502.9	498.4	502.9	513.2	515.6	517.9	533.8	547.6	556.8	560.2	527.0
62.5°	444.5	436.5	444.5	451.4	455.9	461.7	473.2	493.8	501.8	502.9	455.9
65°	382.6	379.2	382.6	396.4	397.5	404.4	417.0	431.9	449.1	446.8	379.2
67.5°	326.5	326.5	326.5	335.7	342.6	346.0	362.1	368.9	390.7	393.0	316.2
70°	274.9	273.8	274.9	281.9	286.4	294.4	309.4	317.3	334.6	340.3	256.7
72.5°	225.7	224.6	225.7	231.4	236.0	242.9	255.5	264.6	279.6	286.4	199.4
75°	182.2	179.9	182.2	186.7	185.6	194.7	205.1	214.2	228.0	232.6	147.8
77.5°	139.7	139.7	139.7	144.3	144.3	153.5	158.1	169.5	177.6	184.5	108.8
80°	104.3	103.1	104.3	105.4	105.4	110.0	118.0	126.0	132.9	132.9	74.5
82.5°	73.3	71.1	73.3	73.3	73.3	75.6	80.2	82.5	87.0	90.5	47.0
85°	45.9	45.9	45.9	47.0	45.9	48.1	49.3	51.6	51.6	49.3	28.6
87.5°	29.8	28.6	29.8	28.6	28.6	27.5	27.5	27.5	26.4	25.2	16.1
90°	27.0	27.0	27.0	27.0	27.0	36.0	48.0	54.0	46.4	31.3	19.9
92.5°	108.2	86.7	108.2	129.7	135.0	191.4	266.5	304.1	267.0	192.8	137.2
95°	377.0	311.9	377.0	442.1	458.3	601.8	793.2	888.9	750.7	474.4	267.2
97.5°	903.2	779.5	903.2	1027.1	1058.0	1148.7	1269.7	1330.1	1099.8	639.1	293.5
100°	1301.4	1153.9	1301.4	1448.9	1485.8	1479.1	1470.3	1465.9	1210.2	698.9	315.5
102.5°	1693.1	1566.7	1693.1	1819.4	1851.0	1735.4	1581.2	1504.2	1244.9	726.4	337.5
105°	2192.4	2124.5	2192.4	2260.3	2277.3	2018.1	1672.6	1499.9	1248.9	746.8	370.2
107.5°	2519.5	2535.9	2519.5	2503.0	2498.9	2137.5	1655.6	1414.7	1193.3	750.6	418.5
110°	2644.2	2714.9	2644.2	2573.5	2555.8	2151.7	1613.0	1343.6	1144.0	744.9	445.5



TEST NUMBER: P935043

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2655.3	2764.0	2655.3	2546.8	2519.6	2106.0	1554.7	1279.0	1101.1	745.1	478.2
115°	2584.9	2735.6	2584.9	2434.4	2396.7	1998.3	1467.1	1201.5	1051.7	752.0	527.3
117.5°	2435.6	2602.7	2435.6	2268.6	2226.8	1867.3	1387.9	1148.2	1020.8	766.0	574.8
120°	2315.4	2477.7	2315.4	2153.0	2112.4	1783.9	1345.9	1126.9	1010.4	777.3	602.5
122.5°	2198.2	2358.2	2198.2	2038.1	1998.1	1702.2	1307.8	1110.5	1004.9	793.7	635.2
125°	2031.0	2178.5	2031.0	1883.6	1846.7	1595.4	1260.4	1092.8	1000.4	815.7	677.2
127.5°	1880.7	2005.2	1880.7	1756.3	1725.2	1509.4	1221.7	1077.9	997.9	837.7	717.6
130°	1792.1	1907.1	1792.1	1677.2	1648.5	1456.4	1200.2	1072.2	999.4	853.8	744.6
132.5°	1711.8	1814.7	1711.8	1608.8	1583.0	1411.1	1181.9	1067.2	1000.4	866.9	766.7
135°	1601.7	1690.4	1601.7	1512.9	1490.7	1346.7	1154.7	1058.7	999.5	881.1	792.3
137.5°	1513.3	1585.9	1513.3	1440.7	1422.5	1300.8	1138.4	1057.2	1005.7	902.4	824.9
140°	1452.6	1520.5	1452.6	1384.8	1367.8	1262.7	1122.4	1052.3	1006.7	915.4	847.0
142.5°	1402.5	1460.9	1402.5	1344.1	1329.5	1237.0	1113.9	1052.3	1010.3	926.3	863.3
145°	1327.1	1371.3	1327.1	1282.9	1271.9	1196.3	1095.6	1045.2	1010.3	940.6	888.2
147.5°	1269.3	1306.0	1269.3	1232.7	1223.5	1164.1	1084.8	1045.2	1017.3	961.4	919.5
150°	1232.9	1262.7	1232.9	1203.3	1195.9	1145.6	1078.7	1045.2	1020.9	972.3	935.8
152.5°	1201.8	1224.2	1201.8	1179.5	1173.8	1131.0	1073.8	1045.2	1023.2	979.3	946.5
155°	1166.1	1180.9	1166.1	1151.2	1147.5	1113.4	1067.9	1045.2	1028.5	995.0	969.9
157.5°	1137.8	1148.2	1137.8	1127.4	1124.8	1098.2	1062.9	1045.2	1033.7	1010.6	993.4
160°	1121.0	1126.9	1121.0	1115.0	1113.4	1090.7	1060.4	1045.2	1036.1	1017.8	1004.0
162.5°	1109.9	1115.6	1109.9	1104.2	1102.8	1083.5	1058.0	1045.2	1038.5	1025.3	1015.4
165°	1094.0	1099.9	1094.0	1088.0	1086.5	1072.7	1054.3	1045.2	1042.2	1036.2	1031.7
167.5°	1082.4	1085.0	1082.4	1079.9	1079.3	1070.3	1058.3	1052.3	1049.7	1044.7	1040.9
170°	1079.3	1079.3	1079.3	1079.3	1079.3	1070.3	1058.3	1052.3	1052.1	1051.9	1051.6
172.5°	1070.9	1068.7	1070.9	1073.1	1073.6	1066.5	1057.1	1052.3	1052.3	1052.3	1052.3
175°	1065.8	1065.8	1065.8	1065.8	1065.8	1061.3	1055.3	1052.3	1053.7	1056.6	1058.7
177.5°	1061.3	1058.7	1061.3	1063.8	1064.4	1060.8	1056.1	1053.7	1054.8	1057.1	1058.7
180°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7



TEST NUMBER: P935043

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1228.2	1221.2	1221.2	1209.8	1205.3	1201.8	1196.0	1178.9	1174.3	1169.7	1176.6
5°	1238.5	1225.8	1216.7	1196.0	1178.9	1172.0	1150.3	1109.0	1081.5	1060.8	1049.4
7.5°	1240.7	1224.7	1207.5	1175.5	1134.2	1115.8	1049.4	973.8	953.2	934.8	923.4
10°	1238.5	1220.1	1196.0	1147.9	1050.6	1018.5	952.0	902.7	890.2	886.8	890.2
12.5°	1230.5	1213.2	1180.0	1099.9	963.5	941.8	902.7	874.1	871.8	877.5	908.5
15°	1216.7	1200.6	1161.7	1035.6	915.4	899.3	871.8	861.6	874.1	914.3	1007.0
17.5°	1203.0	1184.6	1136.5	972.7	878.7	867.3	847.8	868.4	939.5	993.3	1024.2
20°	1184.6	1162.8	1107.8	926.8	852.3	842.1	832.9	925.7	979.5	999.0	1016.2
22.5°	1162.8	1139.9	1068.9	894.8	824.8	816.9	822.6	957.7	979.5	993.3	1008.1
25°	1134.2	1114.7	1023.1	869.6	803.1	793.9	815.7	954.3	967.0	970.4	1000.2
27.5°	1107.8	1082.6	975.0	846.6	776.7	773.3	821.4	939.5	948.6	952.0	984.1
30°	1075.8	1037.9	921.1	822.6	749.2	748.1	822.6	921.1	918.8	928.0	960.0
32.5°	1042.5	971.5	860.4	792.8	722.9	721.7	814.6	893.6	891.3	903.9	928.0
35°	1011.6	920.0	777.9	758.4	689.7	690.8	795.1	861.6	862.7	874.1	889.1
37.5°	979.5	875.3	687.4	720.6	657.6	657.6	768.7	831.7	829.4	832.9	853.5
40°	941.8	805.4	607.2	671.3	627.8	624.4	736.7	799.6	791.6	790.5	819.1
42.5°	901.6	728.7	547.6	606.1	593.4	588.8	697.7	760.7	745.8	749.2	785.9
45°	858.1	708.0	501.8	512.1	557.9	554.5	655.3	716.0	705.7	714.9	752.7
47.5°	814.6	666.7	486.9	425.0	520.2	519.0	608.3	672.5	666.7	676.0	716.0
50°	755.0	621.0	485.7	364.3	477.7	482.3	552.2	630.1	630.1	638.1	680.5
52.5°	678.3	564.8	441.1	329.9	428.4	442.2	502.9	593.4	595.8	603.8	641.5
55°	608.3	506.4	409.0	303.6	370.0	399.8	454.8	555.6	560.2	568.3	602.6
57.5°	544.2	421.6	402.1	272.6	316.2	344.8	412.5	519.0	521.3	528.1	561.3
60°	475.4	304.8	368.9	239.4	269.2	291.0	373.5	475.4	483.4	488.0	516.7
62.5°	397.5	221.1	334.6	216.5	246.3	250.9	341.4	434.2	444.5	448.0	465.2
65°	283.0	185.6	284.1	197.0	222.2	223.4	307.1	391.8	401.0	406.7	419.3
67.5°	191.3	151.3	216.5	178.7	204.0	205.1	273.8	342.6	355.1	359.8	367.8
70°	132.9	100.8	160.4	159.2	183.3	185.6	238.3	297.8	309.4	312.8	317.3
72.5°	97.4	81.3	132.9	143.2	161.5	163.8	201.7	247.4	258.9	262.4	264.6
75°	74.5	85.9	107.7	124.9	137.5	138.6	164.9	201.7	209.7	211.9	213.1
77.5°	59.5	80.2	79.1	100.8	112.2	110.0	129.5	155.8	162.7	162.7	162.7
80°	44.7	63.0	59.5	72.2	82.5	80.2	92.8	111.1	113.4	115.7	114.5
82.5°	33.2	40.1	40.1	45.9	55.0	52.7	61.8	72.2	72.2	72.2	74.5
85°	20.6	22.9	18.4	24.1	30.9	29.8	34.3	38.9	40.1	40.1	37.8
87.5°	12.6	10.3	5.7	9.1	13.8	13.8	16.1	17.2	16.1	16.1	16.1
90°	18.4	12.8	7.1	12.8	18.4	19.9	31.3	46.4	54.0	48.0	36.0
92.5°	125.1	76.8	28.4	76.8	125.1	137.2	192.8	267.0	304.1	266.5	191.4
95°	245.0	156.6	68.2	156.6	245.0	267.2	474.4	750.7	888.9	793.2	601.8
97.5°	274.0	195.9	118.0	195.9	274.0	293.5	639.1	1099.8	1330.1	1269.7	1148.7
100°	297.8	227.0	156.3	227.0	297.8	315.5	698.9	1210.2	1465.9	1470.3	1479.1
102.5°	321.0	255.0	189.0	255.0	321.0	337.5	726.4	1244.9	1504.2	1581.2	1735.4
105°	356.2	300.3	244.5	300.3	356.2	370.2	746.8	1248.9	1499.9	1672.6	2018.1
107.5°	405.5	353.4	301.3	353.4	405.5	418.5	750.6	1193.3	1414.7	1655.6	2137.5
110°	433.7	386.7	339.6	386.7	433.7	445.5	744.9	1144.0	1343.6	1613.0	2151.7



TEST NUMBER: P935043

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	467.0	422.1	377.3	422.1	467.0	478.2	745.1	1101.1	1279.0	1554.7	2106.0
115°	516.9	475.5	434.2	475.5	516.9	527.3	752.0	1051.7	1201.5	1467.1	1998.3
117.5°	565.4	527.9	490.3	527.9	565.4	574.8	766.0	1020.8	1148.2	1387.9	1867.3
120°	593.7	558.3	523.0	558.3	593.7	602.5	777.3	1010.4	1126.9	1345.9	1783.9
122.5°	626.3	590.6	554.9	590.6	626.3	635.2	793.7	1004.9	1110.5	1307.8	1702.2
125°	669.0	636.5	604.0	636.5	669.0	677.2	815.7	1000.4	1092.8	1260.4	1595.4
127.5°	709.4	676.6	643.8	676.6	709.4	717.6	837.7	997.9	1077.9	1221.7	1509.4
130°	735.7	700.4	665.0	700.4	735.7	744.6	853.8	999.4	1072.2	1200.2	1456.4
132.5°	757.8	722.4	687.1	722.4	757.8	766.7	866.9	1000.4	1067.2	1181.9	1411.1
135°	784.3	752.0	719.8	752.0	784.3	792.3	881.1	999.5	1058.7	1154.7	1346.7
137.5°	817.0	785.0	753.2	785.0	817.0	824.9	902.4	1005.7	1057.2	1138.4	1300.8
140°	839.6	810.2	780.8	810.2	839.6	847.0	915.4	1006.7	1052.3	1122.4	1262.7
142.5°	856.5	829.4	802.2	829.4	856.5	863.3	926.3	1010.3	1052.3	1113.9	1237.0
145°	882.3	858.6	834.9	858.6	882.3	888.2	940.6	1010.3	1045.2	1095.6	1196.3
147.5°	913.7	890.6	867.5	890.6	913.7	919.5	961.4	1017.3	1045.2	1084.8	1164.1
150°	930.6	909.7	888.9	909.7	930.6	935.8	972.3	1020.9	1045.2	1078.7	1145.6
152.5°	942.5	926.7	910.9	926.7	942.5	946.5	979.3	1023.2	1045.2	1073.8	1131.0
155°	967.0	955.3	943.6	955.3	967.0	969.9	995.0	1028.5	1045.2	1067.9	1113.4
157.5°	990.5	979.1	967.7	979.1	990.5	993.4	1010.6	1033.7	1045.2	1062.9	1098.2
160°	1001.8	993.0	984.1	993.0	1001.8	1004.0	1017.8	1036.1	1045.2	1060.4	1090.7
162.5°	1013.8	1007.1	1000.4	1007.1	1013.8	1015.4	1025.3	1038.5	1045.2	1058.0	1083.5
165°	1030.2	1024.2	1018.2	1024.2	1030.2	1031.7	1036.2	1042.2	1045.2	1054.3	1072.7
167.5°	1040.2	1037.3	1034.5	1037.3	1040.2	1040.9	1044.7	1049.7	1052.3	1058.3	1070.3
170°	1050.9	1048.0	1045.2	1048.0	1050.9	1051.6	1051.9	1052.1	1052.3	1058.3	1070.3
172.5°	1052.1	1051.5	1050.9	1051.5	1052.1	1052.3	1052.3	1052.3	1052.3	1057.1	1066.5
175°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1056.6	1053.7	1052.3	1055.3	1061.3
177.5°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1057.1	1054.8	1053.7	1056.1	1060.8
180°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7



TEST NUMBER: P935043

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1168.5	1165.1	1169.7	1157.1	1169.7	1165.1	1168.5	1176.6	1169.7	1174.3	1178.9
5°	1025.4	1019.7	1001.3	986.4	1001.3	1019.7	1025.4	1049.4	1060.8	1081.5	1109.0
7.5°	916.5	912.0	907.3	898.2	907.3	912.0	916.5	923.4	934.8	953.2	973.8
10°	892.5	893.6	900.5	899.3	900.5	893.6	892.5	890.2	886.8	890.2	902.7
12.5°	954.3	964.7	1002.4	1000.2	1002.4	964.7	954.3	908.5	877.5	871.8	874.1
15°	1025.4	1028.8	1036.8	1037.9	1036.8	1028.8	1025.4	1007.0	914.3	874.1	861.6
17.5°	1032.2	1033.4	1039.1	1039.1	1039.1	1033.4	1032.2	1024.2	993.3	939.5	868.4
20°	1026.5	1028.8	1040.2	1042.5	1040.2	1028.8	1026.5	1016.2	999.0	979.5	925.7
22.5°	1024.2	1028.8	1037.9	1036.8	1037.9	1028.8	1024.2	1008.1	993.3	979.5	957.7
25°	1012.7	1012.7	1013.9	1015.0	1013.9	1012.7	1012.7	1000.2	970.4	967.0	954.3
27.5°	988.7	991.0	997.9	996.7	997.9	991.0	988.7	984.1	952.0	948.6	939.5
30°	967.0	964.7	958.9	954.3	958.9	964.7	967.0	960.0	928.0	918.8	921.1
32.5°	930.2	924.5	918.8	915.4	918.8	924.5	930.2	928.0	903.9	891.3	893.6
35°	886.8	887.9	886.8	883.3	886.8	887.9	886.8	889.1	874.1	862.7	861.6
37.5°	855.8	858.1	856.9	852.3	856.9	858.1	855.8	853.5	832.9	829.4	831.7
40°	823.7	824.8	823.7	820.3	823.7	824.8	823.7	819.1	790.5	791.6	799.6
42.5°	792.8	791.6	788.2	785.9	788.2	791.6	792.8	785.9	749.2	745.8	760.7
45°	757.3	758.4	751.5	748.1	751.5	758.4	757.3	752.7	714.9	705.7	716.0
47.5°	721.7	721.7	716.0	712.6	716.0	721.7	721.7	716.0	676.0	666.7	672.5
50°	684.0	682.8	674.8	673.7	674.8	682.8	684.0	680.5	638.1	630.1	630.1
52.5°	640.4	640.4	641.5	643.8	641.5	640.4	640.4	641.5	603.8	595.8	593.4
55°	602.6	603.8	611.8	614.0	611.8	603.8	602.6	602.6	568.3	560.2	555.6
57.5°	563.6	563.6	569.4	569.4	569.4	563.6	563.6	561.3	528.1	521.3	519.0
60°	519.0	521.3	525.9	524.7	525.9	521.3	519.0	516.7	488.0	483.4	475.4
62.5°	472.0	474.3	475.4	473.2	475.4	474.3	472.0	465.2	448.0	444.5	434.2
65°	422.7	425.0	426.2	423.9	426.2	425.0	422.7	419.3	406.7	401.0	391.8
67.5°	372.3	371.2	370.0	374.6	370.0	371.2	372.3	367.8	359.8	355.1	342.6
70°	320.8	320.8	319.6	321.9	319.6	320.8	320.8	317.3	312.8	309.4	297.8
72.5°	265.8	264.6	269.2	265.8	269.2	264.6	265.8	264.6	262.4	258.9	247.4
75°	211.9	214.2	211.9	215.4	211.9	214.2	211.9	213.1	211.9	209.7	201.7
77.5°	161.5	163.8	161.5	161.5	161.5	163.8	161.5	162.7	162.7	162.7	155.8
80°	114.5	113.4	113.4	112.2	113.4	113.4	114.5	114.5	115.7	113.4	111.1
82.5°	73.3	72.2	72.2	74.5	72.2	72.2	73.3	74.5	72.2	72.2	72.2
85°	40.1	41.3	38.9	38.9	38.9	41.3	40.1	37.8	40.1	40.1	38.9
87.5°	14.9	13.8	13.8	13.8	13.8	13.8	14.9	16.1	16.1	16.1	17.2
90°	27.0	27.0	27.0	27.0	27.0	27.0	27.0	36.0	48.0	54.0	46.4
92.5°	135.0	129.7	108.2	86.7	108.2	129.7	135.0	191.4	266.5	304.1	267.0
95°	458.3	442.1	377.0	311.9	377.0	442.1	458.3	601.8	793.2	888.9	750.7
97.5°	1058.0	1027.1	903.2	779.5	903.2	1027.1	1058.0	1148.7	1269.7	1330.1	1099.8
100°	1485.8	1448.9	1301.4	1153.9	1301.4	1448.9	1485.8	1479.1	1470.3	1465.9	1210.2
102.5°	1851.0	1819.4	1693.1	1566.7	1693.1	1819.4	1851.0	1735.4	1581.2	1504.2	1244.9
105°	2277.3	2260.3	2192.4	2124.5	2192.4	2260.3	2277.3	2018.1	1672.6	1499.9	1248.9
107.5°	2498.9	2503.0	2519.5	2535.9	2519.5	2503.0	2498.9	2137.5	1655.6	1414.7	1193.3
110°	2555.8	2573.5	2644.2	2714.9	2644.2	2573.5	2555.8	2151.7	1613.0	1343.6	1144.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2519.6	2546.8	2655.3	2764.0	2655.3	2546.8	2519.6	2106.0	1554.7	1279.0	1101.1
115°	2396.7	2434.4	2584.9	2735.6	2584.9	2434.4	2396.7	1998.3	1467.1	1201.5	1051.7
117.5°	2226.8	2268.6	2435.6	2602.7	2435.6	2268.6	2226.8	1867.3	1387.9	1148.2	1020.8
120°	2112.4	2153.0	2315.4	2477.7	2315.4	2153.0	2112.4	1783.9	1345.9	1126.9	1010.4
122.5°	1998.1	2038.1	2198.2	2358.2	2198.2	2038.1	1998.1	1702.2	1307.8	1110.5	1004.9
125°	1846.7	1883.6	2031.0	2178.5	2031.0	1883.6	1846.7	1595.4	1260.4	1092.8	1000.4
127.5°	1725.2	1756.3	1880.7	2005.2	1880.7	1756.3	1725.2	1509.4	1221.7	1077.9	997.9
130°	1648.5	1677.2	1792.1	1907.1	1792.1	1677.2	1648.5	1456.4	1200.2	1072.2	999.4
132.5°	1583.0	1608.8	1711.8	1814.7	1711.8	1608.8	1583.0	1411.1	1181.9	1067.2	1000.4
135°	1490.7	1512.9	1601.7	1690.4	1601.7	1512.9	1490.7	1346.7	1154.7	1058.7	999.5
137.5°	1422.5	1440.7	1513.3	1585.9	1513.3	1440.7	1422.5	1300.8	1138.4	1057.2	1005.7
140°	1367.8	1384.8	1452.6	1520.5	1452.6	1384.8	1367.8	1262.7	1122.4	1052.3	1006.7
142.5°	1329.5	1344.1	1402.5	1460.9	1402.5	1344.1	1329.5	1237.0	1113.9	1052.3	1010.3
145°	1271.9	1282.9	1327.1	1371.3	1327.1	1282.9	1271.9	1196.3	1095.6	1045.2	1010.3
147.5°	1223.5	1232.7	1269.3	1306.0	1269.3	1232.7	1223.5	1164.1	1084.8	1045.2	1017.3
150°	1195.9	1203.3	1232.9	1262.7	1232.9	1203.3	1195.9	1145.6	1078.7	1045.2	1020.9
152.5°	1173.8	1179.5	1201.8	1224.2	1201.8	1179.5	1173.8	1131.0	1073.8	1045.2	1023.2
155°	1147.5	1151.2	1166.1	1180.9	1166.1	1151.2	1147.5	1113.4	1067.9	1045.2	1028.5
157.5°	1124.8	1127.4	1137.8	1148.2	1137.8	1127.4	1124.8	1098.2	1062.9	1045.2	1033.7
160°	1113.4	1115.0	1121.0	1126.9	1121.0	1115.0	1113.4	1090.7	1060.4	1045.2	1036.1
162.5°	1102.8	1104.2	1109.9	1115.6	1109.9	1104.2	1102.8	1083.5	1058.0	1045.2	1038.5
165°	1086.5	1088.0	1094.0	1099.9	1094.0	1088.0	1086.5	1072.7	1054.3	1045.2	1042.2
167.5°	1079.3	1079.9	1082.4	1085.0	1082.4	1079.9	1079.3	1070.3	1058.3	1052.3	1049.7
170°	1079.3	1079.3	1079.3	1079.3	1079.3	1079.3	1079.3	1070.3	1058.3	1052.3	1052.1
172.5°	1073.6	1073.1	1070.9	1068.7	1070.9	1073.1	1073.6	1066.5	1057.1	1052.3	1052.3
175°	1065.8	1065.8	1065.8	1065.8	1065.8	1065.8	1065.8	1061.3	1055.3	1052.3	1053.7
177.5°	1064.4	1063.8	1061.3	1058.7	1061.3	1063.8	1064.4	1060.8	1056.1	1053.7	1054.8
180°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1196.0	1201.8	1205.3	1209.8	1221.2
5°	1150.3	1172.0	1178.9	1196.0	1216.7
7.5°	1049.4	1115.8	1134.2	1175.5	1207.5
10°	952.0	1018.5	1050.6	1147.9	1196.0
12.5°	902.7	941.8	963.5	1099.9	1180.0
15°	871.8	899.3	915.4	1035.6	1161.7
17.5°	847.8	867.3	878.7	972.7	1136.5
20°	832.9	842.1	852.3	926.8	1107.8
22.5°	822.6	816.9	824.8	894.8	1068.9
25°	815.7	793.9	803.1	869.6	1023.1
27.5°	821.4	773.3	776.7	846.6	975.0
30°	822.6	748.1	749.2	822.6	921.1
32.5°	814.6	721.7	722.9	792.8	860.4
35°	795.1	690.8	689.7	758.4	777.9
37.5°	768.7	657.6	657.6	720.6	687.4
40°	736.7	624.4	627.8	671.3	607.2
42.5°	697.7	588.8	593.4	606.1	547.6
45°	655.3	554.5	557.9	512.1	501.8
47.5°	608.3	519.0	520.2	425.0	486.9
50°	552.2	482.3	477.7	364.3	485.7
52.5°	502.9	442.2	428.4	329.9	441.1
55°	454.8	399.8	370.0	303.6	409.0
57.5°	412.5	344.8	316.2	272.6	402.1
60°	373.5	291.0	269.2	239.4	368.9
62.5°	341.4	250.9	246.3	216.5	334.6
65°	307.1	223.4	222.2	197.0	284.1
67.5°	273.8	205.1	204.0	178.7	216.5
70°	238.3	185.6	183.3	159.2	160.4
72.5°	201.7	163.8	161.5	143.2	132.9
75°	164.9	138.6	137.5	124.9	107.7
77.5°	129.5	110.0	112.2	100.8	79.1
80°	92.8	80.2	82.5	72.2	59.5
82.5°	61.8	52.7	55.0	45.9	40.1
85°	34.3	29.8	30.9	24.1	18.4
87.5°	16.1	13.8	13.8	9.1	5.7
90°	31.3	19.9	18.4	12.8	7.1
92.5°	192.8	137.2	125.1	76.8	28.4
95°	474.4	267.2	245.0	156.6	68.2
97.5°	639.1	293.5	274.0	195.9	118.0
100°	698.9	315.5	297.8	227.0	156.3
102.5°	726.4	337.5	321.0	255.0	189.0
105°	746.8	370.2	356.2	300.3	244.5
107.5°	750.6	418.5	405.5	353.4	301.3
110°	744.9	445.5	433.7	386.7	339.6



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CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	745.1	478.2	467.0	422.1	377.3
115°	752.0	527.3	516.9	475.5	434.2
117.5°	766.0	574.8	565.4	527.9	490.3
120°	777.3	602.5	593.7	558.3	523.0
122.5°	793.7	635.2	626.3	590.6	554.9
125°	815.7	677.2	669.0	636.5	604.0
127.5°	837.7	717.6	709.4	676.6	643.8
130°	853.8	744.6	735.7	700.4	665.0
132.5°	866.9	766.7	757.8	722.4	687.1
135°	881.1	792.3	784.3	752.0	719.8
137.5°	902.4	824.9	817.0	785.0	753.2
140°	915.4	847.0	839.6	810.2	780.8
142.5°	926.3	863.3	856.5	829.4	802.2
145°	940.6	888.2	882.3	858.6	834.9
147.5°	961.4	919.5	913.7	890.6	867.5
150°	972.3	935.8	930.6	909.7	888.9
152.5°	979.3	946.5	942.5	926.7	910.9
155°	995.0	969.9	967.0	955.3	943.6
157.5°	1010.6	993.4	990.5	979.1	967.7
160°	1017.8	1004.0	1001.8	993.0	984.1
162.5°	1025.3	1015.4	1013.8	1007.1	1000.4
165°	1036.2	1031.7	1030.2	1024.2	1018.2
167.5°	1044.7	1040.9	1040.2	1037.3	1034.5
170°	1051.9	1051.6	1050.9	1048.0	1045.2
172.5°	1052.3	1052.3	1052.1	1051.5	1050.9
175°	1056.6	1058.7	1058.7	1058.7	1058.7
177.5°	1057.1	1058.7	1058.7	1058.7	1058.7
180°	1058.7	1058.7	1058.7	1058.7	1058.7



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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	8.78	9.50	9.88	10.59	12.11	11.62	12.33	12.72	13.43	14.95
	3H	9.25	9.89	10.36	10.99	12.52	12.95	13.60	14.07	14.70	16.23
	4H	9.43	10.04	10.55	11.15	12.68	13.39	14.00	14.51	15.11	16.65
	6H	9.54	10.10	10.67	11.21	12.76	13.67	14.23	14.80	15.34	16.89
	8H	9.54	10.07	10.67	11.20	12.74	13.74	14.28	14.88	15.40	16.94
	12H	9.50	10.01	10.64	11.13	12.69	13.78	14.28	14.92	15.40	16.97
4H	2H	9.80	10.40	10.92	11.51	13.05	12.01	12.62	13.14	13.72	15.26
	3H	10.81	11.32	11.94	12.45	14.00	13.50	14.01	14.64	15.14	16.69
	4H	11.08	11.55	12.22	12.67	14.24	14.03	14.49	15.16	15.62	17.18
	6H	11.20	11.60	12.34	12.74	14.30	14.39	14.78	15.53	15.93	17.49
	8H	11.20	11.57	12.34	12.71	14.29	14.49	14.86	15.63	16.00	17.58
	12H	11.16	11.50	12.32	12.65	14.23	14.54	14.88	15.70	16.03	17.61
8H	4H	11.52	11.90	12.67	13.03	14.61	14.14	14.51	15.28	15.65	17.23
	6H	11.78	12.09	12.94	13.27	14.84	14.57	14.88	15.74	16.06	17.63
	8H	11.82	12.09	12.99	13.25	14.84	14.72	14.99	15.89	16.15	17.74
	12H	11.80	12.03	12.97	13.19	14.82	14.82	15.05	15.99	16.21	17.84
12H	4H	11.52	11.86	12.68	13.01	14.59	14.10	14.43	15.26	15.58	17.17
	6H	11.84	12.11	13.01	13.27	14.86	14.57	14.84	15.74	15.99	17.59
	8H	11.90	12.13	13.07	13.29	14.92	14.72	14.96	15.90	16.12	17.74