

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: P935682

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935682
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-B2750-1D-UNV-STD-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

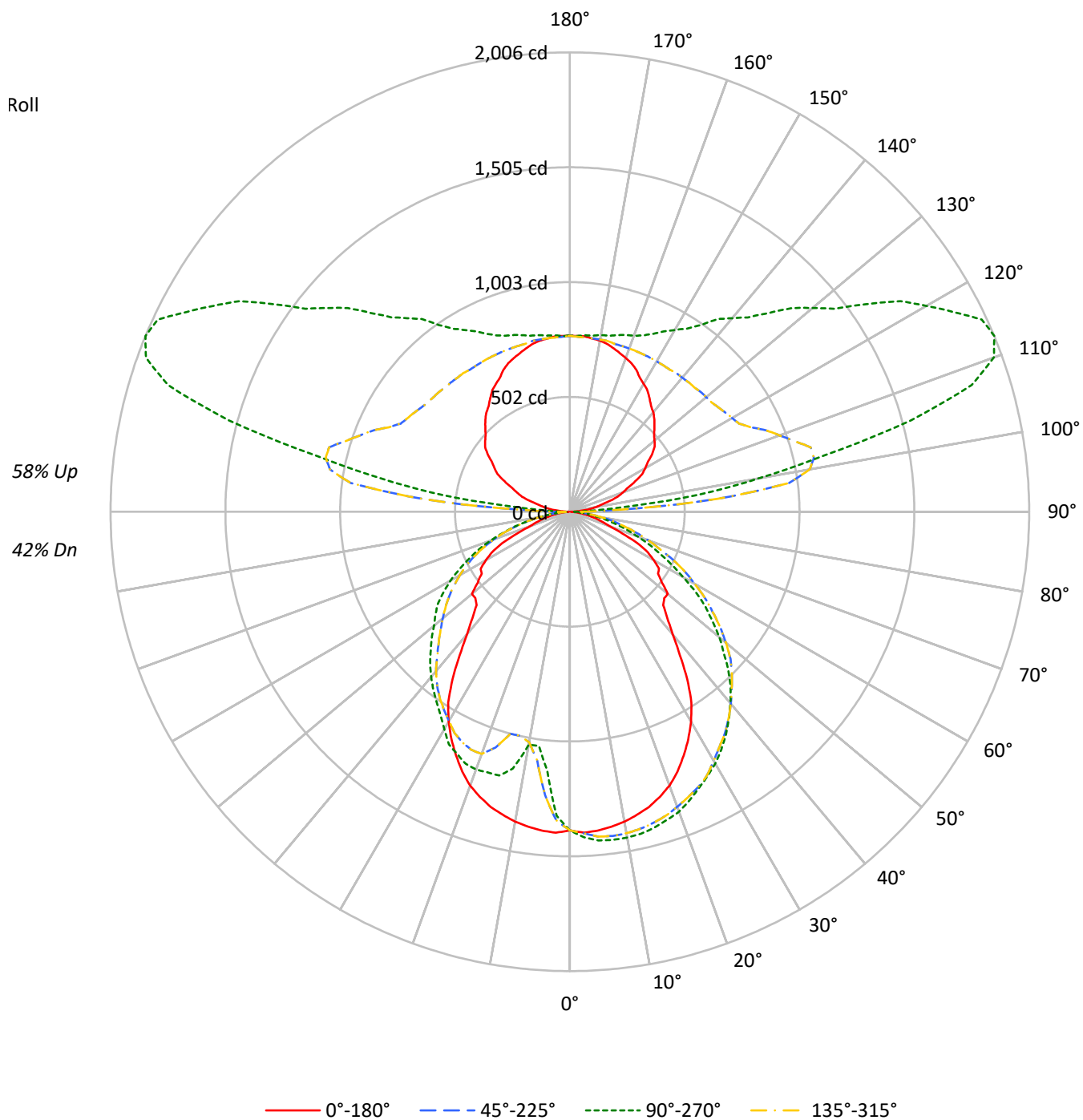
Lumens per Lamp: N/A
Luminaire Lumens: 8590.5 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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: P935682

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P935682

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12906	12906	12906	12906
5°	12990	13029	12990	10244
10°	12889	12834	12889	9176
15°	12733	12556	12733	10484
20°	12452	12227	12452	10506
25°	11894	11747	11894	10284
30°	11176	11348	11176	9795
35°	9947	10843	9947	9258
40°	8275	10249	8275	8852
45°	7380	9554	7380	8385
50°	7822	8725	7822	7917
55°	7338	7832	7338	7646
60°	7537	6651	7537	7003
65°	6802	5498	6802	6146
70°	4679	4382	4679	5152
75°	4056	3239	4056	3879
80°	3201	2141	3201	2332
85°	1739	1133	1739	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 11331 cd/sqm

TEST NUMBER: P935682

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	1.5
10°-20°	356.5	4.1
20°-30°	551.1	6.4
30°-40°	657.9	7.7
40°-50°	661.7	7.7
50°-60°	575.8	6.7
60°-70°	408.2	4.8
70°-80°	216.0	2.5
80°-90°	56.7	0.7
90°-100°	374.5	4.4
100°-110°	984.7	11.5
110°-120°	1021.0	11.9
120°-130°	819.0	9.5
130°-140°	642.6	7.5
140°-150°	493.2	5.7
150°-160°	355.2	4.1
160°-170°	217.3	2.5
170°-180°	73.4	0.9
0°-30°	1033.1	12.0
0°-40°	1691.0	19.7
0°-60°	2928.5	34.1
0°-90°	3609.5	42.0
90°-120°	2380.3	27.7
90°-150°	4335.1	50.5
90°-180°	4981.0	58.0
0°-180°	8590.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1391	1391	1391	1391	1391	
5°	1398	1441	1398	1133	1398	133
15°	1334	1428	1334	1192	1334	375
25°	1175	1332	1175	1166	1175	540
35°	894	1188	894	1015	894	553
45°	576	979	576	859	576	462
55°	470	722	470	705	470	432
65°	326	436	326	487	326	312
75°	124	207	124	247	124	130
85°	21	53	21	45	21	28
90°	5	20	5	20	5	5
95°	50	226	50	226	50	55
105°	177	1542	177	1542	177	188
115°	315	1985	315	1985	315	311
125°	438	1581	438	1581	438	389
135°	522	1227	522	1227	522	404
145°	606	995	606	995	606	380
155°	685	857	685	857	685	315
165°	739	798	739	798	739	209
175°	768	774	768	774	768	73
180°	768	768	768	768	768	

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CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9
2.5°	1402.8	1402.8	1410.7	1413.3	1413.3	1409.3	1405.5	1409.3	1421.2	1425.2	1423.9
5°	1397.6	1408.0	1422.6	1425.2	1427.8	1426.5	1423.9	1426.5	1439.6	1442.3	1443.6
7.5°	1387.0	1406.8	1425.2	1429.2	1433.0	1429.2	1427.8	1430.5	1443.6	1446.2	1446.2
10°	1373.9	1401.5	1422.6	1425.2	1429.2	1425.2	1425.2	1430.5	1443.6	1446.2	1447.6
12.5°	1355.5	1393.6	1413.3	1416.0	1421.2	1419.9	1418.6	1423.9	1437.0	1439.6	1439.6
15°	1334.3	1379.2	1397.6	1400.2	1409.3	1406.8	1406.8	1412.0	1426.5	1430.5	1429.2
17.5°	1305.5	1360.7	1381.8	1385.7	1392.3	1390.9	1392.3	1397.6	1410.7	1413.3	1414.6
20°	1272.5	1335.7	1360.7	1364.6	1371.2	1371.2	1371.2	1377.8	1390.9	1396.2	1396.2
22.5°	1227.8	1309.3	1335.7	1338.3	1346.2	1346.2	1348.9	1358.0	1369.9	1371.2	1371.2
25°	1175.2	1280.5	1302.8	1310.7	1318.6	1322.5	1326.5	1331.8	1335.7	1334.3	1335.7
27.5°	1119.9	1243.6	1272.5	1277.8	1288.3	1292.3	1297.5	1298.9	1300.2	1304.1	1301.5
30°	1058.1	1192.2	1235.6	1240.9	1258.0	1260.6	1255.5	1258.0	1264.6	1267.3	1269.9
32.5°	988.2	1115.9	1197.5	1209.3	1225.2	1217.2	1215.9	1219.9	1230.5	1230.5	1233.0
35°	893.5	1056.8	1162.0	1172.5	1184.3	1175.2	1180.4	1181.8	1188.3	1192.2	1190.9
37.5°	789.5	1005.4	1125.2	1133.0	1142.2	1130.4	1138.3	1142.2	1147.5	1144.9	1144.9
40°	697.5	925.1	1081.8	1086.9	1094.9	1085.6	1093.5	1096.2	1098.8	1096.2	1094.9
42.5°	629.1	836.9	1035.6	1042.2	1036.9	1043.5	1046.2	1051.5	1047.5	1042.2	1042.2
45°	576.4	813.2	985.6	993.5	985.6	996.2	1000.1	1000.1	988.2	985.6	984.3
47.5°	559.3	765.9	935.6	935.6	931.7	944.8	951.5	942.2	930.4	926.5	926.5
50°	558.0	713.2	867.2	861.9	880.4	896.2	889.6	880.4	871.2	856.7	856.7
52.5°	506.7	648.8	779.1	798.8	827.8	836.9	826.4	817.2	801.4	794.8	789.5
55°	469.8	581.7	698.8	738.2	768.5	780.4	760.6	751.4	727.7	723.8	721.1
57.5°	461.9	484.3	625.1	675.1	711.9	710.6	698.8	681.7	661.9	658.0	656.7
60°	423.7	350.0	546.1	605.4	643.5	639.5	629.1	613.2	594.8	592.2	589.5
62.5°	384.3	254.0	456.7	523.8	577.7	576.4	567.2	543.5	530.4	523.8	518.5
65°	326.4	213.1	325.0	435.6	513.2	515.8	496.1	479.0	464.5	456.7	455.3
67.5°	248.7	173.7	219.7	363.2	451.4	448.7	423.7	415.8	397.4	393.4	385.6
70°	184.3	115.8	152.7	294.8	390.8	384.3	364.5	355.3	338.2	329.0	323.7
72.5°	152.7	93.4	111.9	229.0	329.0	321.1	304.0	293.4	279.0	271.1	265.8
75°	123.7	98.7	85.6	169.7	267.1	261.8	246.1	235.6	223.7	213.1	214.5
77.5°	90.8	92.1	68.4	125.0	211.8	204.0	194.7	181.6	176.3	165.8	165.8
80°	68.4	72.4	51.3	85.6	152.7	152.7	144.7	135.6	126.3	121.1	121.1
82.5°	46.0	46.0	38.1	54.0	104.0	100.0	94.7	92.1	86.9	84.3	84.3
85°	21.0	26.3	23.7	32.9	56.6	59.3	59.3	56.6	55.3	52.6	54.0
87.5°	6.6	11.9	14.4	18.4	29.0	30.3	31.6	31.6	31.6	32.9	32.9
90°	5.2	9.3	13.4	14.4	22.7	33.7	39.1	34.8	26.1	19.6	19.6
92.5°	20.6	55.7	90.7	99.5	139.9	193.8	220.7	193.4	138.9	98.0	94.1
95°	49.5	113.6	177.9	193.9	344.3	544.8	645.1	575.7	436.8	332.7	320.8
97.5°	85.6	142.1	198.8	212.9	463.7	798.1	965.3	921.4	833.7	767.8	745.4
100°	113.4	164.8	216.1	229.0	507.3	878.3	1063.8	1067.0	1073.5	1078.3	1051.5
102.5°	137.1	185.1	233.0	244.9	527.2	903.6	1091.7	1147.7	1259.5	1343.4	1320.5
105°	177.4	218.0	258.6	268.7	542.0	906.5	1088.6	1214.0	1464.7	1652.8	1640.4
107.5°	218.6	256.5	294.3	303.8	544.8	866.1	1026.8	1201.7	1551.4	1813.6	1816.6
110°	246.5	280.7	314.7	323.3	540.6	830.4	975.2	1170.7	1561.7	1855.0	1867.8

TEST NUMBER: P935682

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	273.8	306.4	338.8	347.0	540.7	799.1	928.3	1128.4	1528.6	1828.7	1848.4
115°	315.0	345.1	375.2	382.7	545.8	763.2	872.0	1064.7	1450.3	1739.4	1766.7
117.5°	355.9	383.2	410.5	417.2	556.0	740.9	833.4	1007.3	1355.2	1616.1	1646.4
120°	379.6	405.3	431.0	437.3	564.2	733.4	817.9	976.9	1294.7	1533.1	1562.6
122.5°	402.8	428.7	454.6	461.0	576.1	729.4	806.1	949.2	1235.4	1450.1	1479.2
125°	438.3	461.9	485.6	491.4	592.0	726.1	793.1	914.7	1157.8	1340.2	1367.0
127.5°	467.2	491.0	514.8	520.8	608.0	724.2	782.3	886.6	1095.5	1252.1	1274.7
130°	482.7	508.4	534.1	540.4	619.7	725.4	778.2	871.1	1057.0	1196.4	1217.2
132.5°	498.7	524.4	550.1	556.5	629.2	726.1	774.6	857.8	1024.2	1149.0	1167.6
135°	522.4	545.8	569.1	575.0	639.4	725.4	768.4	838.1	977.5	1082.0	1098.1
137.5°	546.6	569.7	592.9	598.7	654.9	729.9	767.3	826.2	944.0	1032.4	1045.5
140°	566.7	588.0	609.4	614.7	664.4	730.7	763.7	814.6	916.4	992.7	1005.1
142.5°	582.2	601.9	621.6	626.6	672.3	733.3	763.7	808.5	897.8	964.8	975.4
145°	606.0	623.1	640.3	644.6	682.6	733.3	758.6	795.1	868.2	923.1	931.2
147.5°	629.7	646.4	663.1	667.3	697.7	738.2	758.6	787.3	844.9	888.0	894.7
150°	645.1	660.2	675.4	679.2	705.7	740.9	758.6	782.9	831.5	867.9	873.3
152.5°	661.1	672.6	684.1	686.9	710.8	742.6	758.6	779.3	820.8	851.9	856.0
155°	684.8	693.3	701.8	703.9	722.1	746.4	758.6	775.1	808.1	832.9	835.5
157.5°	702.4	710.6	718.8	720.9	733.5	750.2	758.6	771.4	797.1	816.3	818.2
160°	714.2	720.6	727.1	728.7	738.6	751.9	758.6	769.5	791.5	808.1	809.2
162.5°	726.1	730.9	735.7	736.9	744.1	753.8	758.6	767.8	786.4	800.4	801.4
165°	738.9	743.3	747.7	748.8	752.1	756.4	758.6	765.2	778.5	788.4	789.5
167.5°	750.9	752.9	755.0	755.5	758.3	761.9	763.7	768.1	776.8	783.4	783.9
170°	758.6	760.6	762.7	763.2	763.4	763.6	763.7	768.1	776.8	783.4	783.4
172.5°	762.7	763.1	763.6	763.7	763.7	763.7	763.7	767.1	774.0	779.2	778.8
175°	768.4	768.4	768.4	768.4	766.8	764.7	763.7	765.9	770.2	773.5	773.5
177.5°	768.4	768.4	768.4	768.4	767.2	765.5	764.7	766.4	769.9	772.5	772.0
180°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9
2.5°	1426.5	1422.6	1426.5	1423.9	1425.2	1421.2	1409.3	1405.5	1409.3	1413.3	1413.3
5°	1443.6	1441.0	1443.6	1443.6	1442.3	1439.6	1426.5	1423.9	1426.5	1427.8	1425.2
7.5°	1448.9	1444.9	1448.9	1446.2	1446.2	1443.6	1430.5	1427.8	1429.2	1433.0	1429.2
10°	1448.9	1444.9	1448.9	1447.6	1446.2	1443.6	1430.5	1425.2	1425.2	1429.2	1425.2
12.5°	1442.3	1439.6	1442.3	1439.6	1439.6	1437.0	1423.9	1418.6	1419.9	1421.2	1416.0
15°	1431.8	1427.8	1431.8	1429.2	1430.5	1426.5	1412.0	1406.8	1406.8	1409.3	1400.2
17.5°	1416.0	1410.7	1416.0	1414.6	1413.3	1410.7	1397.6	1392.3	1390.9	1392.3	1385.7
20°	1397.6	1393.6	1397.6	1396.2	1396.2	1390.9	1377.8	1371.2	1371.2	1371.2	1364.6
22.5°	1368.6	1364.6	1368.6	1371.2	1371.2	1369.9	1358.0	1348.9	1346.2	1346.2	1338.3
25°	1335.7	1331.8	1335.7	1335.7	1334.3	1335.7	1331.8	1326.5	1322.5	1318.6	1310.7
27.5°	1304.1	1301.5	1304.1	1301.5	1304.1	1300.2	1298.9	1297.5	1292.3	1288.3	1277.8
30°	1272.5	1269.9	1272.5	1269.9	1267.3	1264.6	1258.0	1255.5	1260.6	1258.0	1240.9
32.5°	1233.0	1230.5	1233.0	1233.0	1230.5	1230.5	1219.9	1215.9	1217.2	1225.2	1209.3
35°	1192.2	1188.3	1192.2	1190.9	1192.2	1188.3	1181.8	1180.4	1175.2	1184.3	1172.5
37.5°	1144.9	1140.9	1144.9	1144.9	1144.9	1147.5	1142.2	1138.3	1130.4	1142.2	1133.0
40°	1096.2	1090.9	1096.2	1094.9	1096.2	1098.8	1096.2	1093.5	1085.6	1094.9	1086.9
42.5°	1040.9	1039.6	1040.9	1042.2	1042.2	1047.5	1051.5	1046.2	1043.5	1036.9	1042.2
45°	981.7	979.1	981.7	984.3	985.6	988.2	1000.1	1000.1	996.2	985.6	993.5
47.5°	918.5	911.9	918.5	926.5	926.5	930.4	942.2	951.5	944.8	931.7	935.6
50°	851.4	852.8	851.4	856.7	856.7	871.2	880.4	889.6	896.2	880.4	861.9
52.5°	785.6	784.4	785.6	789.5	794.8	801.4	817.2	826.4	836.9	827.8	798.8
55°	719.8	722.5	719.8	721.1	723.8	727.7	751.4	760.6	780.4	768.5	738.2
57.5°	654.1	650.1	654.1	656.7	658.0	661.9	681.7	698.8	710.6	711.9	675.1
60°	577.7	572.4	577.7	589.5	592.2	594.8	613.2	629.1	639.5	643.5	605.4
62.5°	510.5	501.4	510.5	518.5	523.8	530.4	543.5	567.2	576.4	577.7	523.8
65°	439.5	435.6	439.5	455.3	456.7	464.5	479.0	496.1	515.8	513.2	435.6
67.5°	375.1	375.1	375.1	385.6	393.4	397.4	415.8	423.7	448.7	451.4	363.2
70°	315.8	314.5	315.8	323.7	329.0	338.2	355.3	364.5	384.3	390.8	294.8
72.5°	259.3	258.0	259.3	265.8	271.1	279.0	293.4	304.0	321.1	329.0	229.0
75°	209.3	206.6	209.3	214.5	213.1	223.7	235.6	246.1	261.8	267.1	169.7
77.5°	160.6	160.6	160.6	165.8	165.8	176.3	181.6	194.7	204.0	211.8	125.0
80°	119.7	118.4	119.7	121.1	121.1	126.3	135.6	144.7	152.7	152.7	85.6
82.5°	84.3	81.6	84.3	84.3	84.3	86.9	92.1	94.7	100.0	104.0	54.0
85°	52.6	52.6	52.6	54.0	52.6	55.3	56.6	59.3	59.3	56.6	32.9
87.5°	34.3	32.9	34.3	32.9	32.9	31.6	31.6	31.6	30.3	29.0	18.4
90°	19.6	19.6	19.6	19.6	19.6	26.1	34.8	39.1	33.7	22.7	14.4
92.5°	78.5	62.9	78.5	94.1	98.0	138.9	193.4	220.7	193.8	139.9	99.5
95°	273.6	226.4	273.6	320.8	332.7	436.8	575.7	645.1	544.8	344.3	193.9
97.5°	655.6	565.7	655.6	745.4	767.8	833.7	921.4	965.3	798.1	463.7	212.9
100°	944.5	837.4	944.5	1051.5	1078.3	1073.5	1067.0	1063.8	878.3	507.3	229.0
102.5°	1228.8	1137.1	1228.8	1320.5	1343.4	1259.5	1147.7	1091.7	903.6	527.2	244.9
105°	1591.2	1541.9	1591.2	1640.4	1652.8	1464.7	1214.0	1088.6	906.5	542.0	268.7
107.5°	1828.6	1840.5	1828.6	1816.6	1813.6	1551.4	1201.7	1026.8	866.1	544.8	303.8
110°	1919.1	1970.4	1919.1	1867.8	1855.0	1561.7	1170.7	975.2	830.4	540.6	323.3

TEST NUMBER: P935682

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1927.2	2006.0	1927.2	1848.4	1828.7	1528.6	1128.4	928.3	799.1	540.7	347.0
115°	1876.1	1985.4	1876.1	1766.7	1739.4	1450.3	1064.7	872.0	763.2	545.8	382.7
117.5°	1767.7	1888.9	1767.7	1646.4	1616.1	1355.2	1007.3	833.4	740.9	556.0	417.2
120°	1680.4	1798.2	1680.4	1562.6	1533.1	1294.7	976.9	817.9	733.4	564.2	437.3
122.5°	1595.3	1711.5	1595.3	1479.2	1450.1	1235.4	949.2	806.1	729.4	576.1	461.0
125°	1474.0	1581.1	1474.0	1367.0	1340.2	1157.8	914.7	793.1	726.1	592.0	491.4
127.5°	1364.9	1455.3	1364.9	1274.7	1252.1	1095.5	886.6	782.3	724.2	608.0	520.8
130°	1300.7	1384.1	1300.7	1217.2	1196.4	1057.0	871.1	778.2	725.4	619.7	540.4
132.5°	1242.3	1317.0	1242.3	1167.6	1149.0	1024.2	857.8	774.6	726.1	629.2	556.5
135°	1162.4	1226.8	1162.4	1098.1	1082.0	977.5	838.1	768.4	725.4	639.4	575.0
137.5°	1098.3	1151.0	1098.3	1045.5	1032.4	944.0	826.2	767.3	729.9	654.9	598.7
140°	1054.3	1103.6	1054.3	1005.1	992.7	916.4	814.6	763.7	730.7	664.4	614.7
142.5°	1017.8	1060.2	1017.8	975.4	964.8	897.8	808.5	763.7	733.3	672.3	626.6
145°	963.2	995.3	963.2	931.2	923.1	868.2	795.1	758.6	733.3	682.6	644.6
147.5°	921.2	947.8	921.2	894.7	888.0	844.9	787.3	758.6	738.2	697.7	667.3
150°	894.9	916.4	894.9	873.3	867.9	831.5	782.9	758.6	740.9	705.7	679.2
152.5°	872.2	888.5	872.2	856.0	851.9	820.8	779.3	758.6	742.6	710.8	686.9
155°	846.3	857.1	846.3	835.5	832.9	808.1	775.1	758.6	746.4	722.1	703.9
157.5°	825.8	833.4	825.8	818.2	816.3	797.1	771.4	758.6	750.2	733.5	720.9
160°	813.5	817.9	813.5	809.2	808.1	791.5	769.5	758.6	751.9	738.6	728.7
162.5°	805.6	809.6	805.6	801.4	800.4	786.4	767.8	758.6	753.8	744.1	736.9
165°	793.9	798.3	793.9	789.5	788.4	778.5	765.2	758.6	756.4	752.1	748.8
167.5°	785.6	787.4	785.6	783.9	783.4	776.8	768.1	763.7	761.9	758.3	755.5
170°	783.4	783.4	783.4	783.4	783.4	776.8	768.1	763.7	763.6	763.4	763.2
172.5°	777.2	775.6	777.2	778.8	779.2	774.0	767.1	763.7	763.7	763.7	763.7
175°	773.5	773.5	773.5	773.5	773.5	770.2	765.9	763.7	764.7	766.8	768.4
177.5°	770.2	768.4	770.2	772.0	772.5	769.9	766.4	764.7	765.5	767.2	768.4
180°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4

TEST NUMBER: P935682

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9
2.5°	1410.7	1402.8	1402.8	1389.6	1384.3	1380.5	1373.9	1354.2	1348.9	1343.6	1351.5
5°	1422.6	1408.0	1397.6	1373.9	1354.2	1346.2	1321.2	1273.9	1242.2	1218.6	1205.5
7.5°	1425.2	1406.8	1387.0	1350.2	1302.8	1281.8	1205.5	1118.6	1094.9	1073.8	1060.6
10°	1422.6	1401.5	1373.9	1318.6	1206.8	1169.9	1093.5	1036.9	1022.5	1018.5	1022.5
12.5°	1413.3	1393.6	1355.5	1263.3	1106.8	1081.8	1036.9	1004.1	1001.5	1008.1	1043.5
15°	1397.6	1379.2	1334.3	1189.6	1051.5	1033.1	1001.5	989.6	1004.1	1050.1	1156.8
17.5°	1381.8	1360.7	1305.5	1117.2	1009.3	996.2	973.8	997.5	1079.1	1140.9	1176.5
20°	1360.7	1335.7	1272.5	1064.6	979.1	967.2	956.7	1063.3	1125.2	1147.5	1167.2
22.5°	1335.7	1309.3	1227.8	1027.8	947.5	938.2	944.8	1100.2	1125.2	1140.9	1158.0
25°	1302.8	1280.5	1175.2	998.8	922.5	911.9	936.9	1096.2	1110.6	1114.6	1148.8
27.5°	1272.5	1243.6	1119.9	972.5	892.2	888.2	943.5	1079.1	1089.6	1093.5	1130.4
30°	1235.6	1192.2	1058.1	944.8	860.6	859.3	944.8	1058.1	1055.4	1065.9	1102.8
32.5°	1197.5	1115.9	988.2	910.6	830.4	829.1	935.6	1026.5	1023.8	1038.3	1065.9
35°	1162.0	1056.8	893.5	871.2	792.2	793.5	913.2	989.6	990.9	1004.1	1021.2
37.5°	1125.2	1005.4	789.5	827.8	755.4	755.4	883.0	955.4	952.8	956.7	980.4
40°	1081.8	925.1	697.5	771.1	721.1	717.2	846.2	918.5	909.3	908.1	940.9
42.5°	1035.6	836.9	629.1	696.1	681.7	676.4	801.4	873.8	856.7	860.6	902.8
45°	985.6	813.2	576.4	588.2	640.8	636.9	752.7	822.5	810.6	821.2	864.6
47.5°	935.6	765.9	559.3	488.2	597.4	596.1	698.8	772.5	765.9	776.4	822.5
50°	867.2	713.2	558.0	418.5	548.8	554.0	634.3	723.8	723.8	733.0	781.7
52.5°	779.1	648.8	506.7	379.0	492.1	508.0	577.7	681.7	684.3	693.5	736.9
55°	698.8	581.7	469.8	348.7	425.1	459.3	522.4	638.2	643.5	652.7	692.2
57.5°	625.1	484.3	461.9	313.2	363.2	396.1	473.7	596.1	598.8	606.7	644.8
60°	546.1	350.0	423.7	275.0	309.3	334.3	429.0	546.1	555.4	560.5	593.5
62.5°	456.7	254.0	384.3	248.7	283.0	288.2	392.1	498.7	510.5	514.5	534.3
65°	325.0	213.1	326.4	226.4	255.3	256.6	352.7	450.1	460.6	467.1	481.7
67.5°	219.7	173.7	248.7	205.3	234.3	235.6	314.5	393.4	408.0	413.2	422.4
70°	152.7	115.8	184.3	183.0	210.6	213.1	273.7	342.1	355.3	359.3	364.5
72.5°	111.9	93.4	152.7	164.5	185.6	188.1	231.6	284.3	297.4	301.4	304.0
75°	85.6	98.7	123.7	143.4	157.9	159.3	189.5	231.6	240.8	243.4	244.7
77.5°	68.4	92.1	90.8	115.8	129.0	126.3	148.7	179.0	186.8	186.8	186.8
80°	51.3	72.4	68.4	82.9	94.7	92.1	106.6	127.7	130.3	132.9	131.6
82.5°	38.1	46.0	46.0	52.6	63.1	60.6	71.0	82.9	82.9	82.9	85.6
85°	23.7	26.3	21.0	27.6	35.6	34.3	39.4	44.7	46.0	46.0	43.4
87.5°	14.4	11.9	6.6	10.6	15.8	15.8	18.4	19.7	18.4	18.4	18.4
90°	13.4	9.3	5.2	9.3	13.4	14.4	22.7	33.7	39.1	34.8	26.1
92.5°	90.7	55.7	20.6	55.7	90.7	99.5	139.9	193.8	220.7	193.4	138.9
95°	177.9	113.6	49.5	113.6	177.9	193.9	344.3	544.8	645.1	575.7	436.8
97.5°	198.8	142.1	85.6	142.1	198.8	212.9	463.7	798.1	965.3	921.4	833.7
100°	216.1	164.8	113.4	164.8	216.1	229.0	507.3	878.3	1063.8	1067.0	1073.5
102.5°	233.0	185.1	137.1	185.1	233.0	244.9	527.2	903.6	1091.7	1147.7	1259.5
105°	258.6	218.0	177.4	218.0	258.6	268.7	542.0	906.5	1088.6	1214.0	1464.7
107.5°	294.3	256.5	218.6	256.5	294.3	303.8	544.8	866.1	1026.8	1201.7	1551.4
110°	314.7	280.7	246.5	280.7	314.7	323.3	540.6	830.4	975.2	1170.7	1561.7

TEST NUMBER: P935682

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	338.8	306.4	273.8	306.4	338.8	347.0	540.7	799.1	928.3	1128.4	1528.6
115°	375.2	345.1	315.0	345.1	375.2	382.7	545.8	763.2	872.0	1064.7	1450.3
117.5°	410.5	383.2	355.9	383.2	410.5	417.2	556.0	740.9	833.4	1007.3	1355.2
120°	431.0	405.3	379.6	405.3	431.0	437.3	564.2	733.4	817.9	976.9	1294.7
122.5°	454.6	428.7	402.8	428.7	454.6	461.0	576.1	729.4	806.1	949.2	1235.4
125°	485.6	461.9	438.3	461.9	485.6	491.4	592.0	726.1	793.1	914.7	1157.8
127.5°	514.8	491.0	467.2	491.0	514.8	520.8	608.0	724.2	782.3	886.6	1095.5
130°	534.1	508.4	482.7	508.4	534.1	540.4	619.7	725.4	778.2	871.1	1057.0
132.5°	550.1	524.4	498.7	524.4	550.1	556.5	629.2	726.1	774.6	857.8	1024.2
135°	569.1	545.8	522.4	545.8	569.1	575.0	639.4	725.4	768.4	838.1	977.5
137.5°	592.9	569.7	546.6	569.7	592.9	598.7	654.9	729.9	767.3	826.2	944.0
140°	609.4	588.0	566.7	588.0	609.4	614.7	664.4	730.7	763.7	814.6	916.4
142.5°	621.6	601.9	582.2	601.9	621.6	626.6	672.3	733.3	763.7	808.5	897.8
145°	640.3	623.1	606.0	623.1	640.3	644.6	682.6	733.3	758.6	795.1	868.2
147.5°	663.1	646.4	629.7	646.4	663.1	667.3	697.7	738.2	758.6	787.3	844.9
150°	675.4	660.2	645.1	660.2	675.4	679.2	705.7	740.9	758.6	782.9	831.5
152.5°	684.1	672.6	661.1	672.6	684.1	686.9	710.8	742.6	758.6	779.3	820.8
155°	701.8	693.3	684.8	693.3	701.8	703.9	722.1	746.4	758.6	775.1	808.1
157.5°	718.8	710.6	702.4	710.6	718.8	720.9	733.5	750.2	758.6	771.4	797.1
160°	727.1	720.6	714.2	720.6	727.1	728.7	738.6	751.9	758.6	769.5	791.5
162.5°	735.7	730.9	726.1	730.9	735.7	736.9	744.1	753.8	758.6	767.8	786.4
165°	747.7	743.3	738.9	743.3	747.7	748.8	752.1	756.4	758.6	765.2	778.5
167.5°	755.0	752.9	750.9	752.9	755.0	755.5	758.3	761.9	763.7	768.1	776.8
170°	762.7	760.6	758.6	760.6	762.7	763.2	763.4	763.6	763.7	768.1	776.8
172.5°	763.6	763.1	762.7	763.1	763.6	763.7	763.7	763.7	763.7	767.1	774.0
175°	768.4	768.4	768.4	768.4	768.4	768.4	766.8	764.7	763.7	765.9	770.2
177.5°	768.4	768.4	768.4	768.4	768.4	768.4	767.2	765.5	764.7	766.4	769.9
180°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4

TEST NUMBER: P935682

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9	1390.9
2.5°	1342.3	1338.3	1343.6	1329.1	1343.6	1338.3	1342.3	1351.5	1343.6	1348.9	1354.2
5°	1177.8	1171.2	1150.2	1133.0	1150.2	1171.2	1177.8	1205.5	1218.6	1242.2	1273.9
7.5°	1052.8	1047.5	1042.2	1031.7	1042.2	1047.5	1052.8	1060.6	1073.8	1094.9	1118.6
10°	1025.1	1026.5	1034.3	1033.1	1034.3	1026.5	1025.1	1022.5	1018.5	1022.5	1036.9
12.5°	1096.2	1108.0	1151.5	1148.8	1151.5	1108.0	1096.2	1043.5	1008.1	1001.5	1004.1
15°	1177.8	1181.8	1190.9	1192.2	1190.9	1181.8	1177.8	1156.8	1050.1	1004.1	989.6
17.5°	1185.6	1187.0	1193.6	1193.6	1193.6	1187.0	1185.6	1176.5	1140.9	1079.1	997.5
20°	1179.1	1181.8	1194.9	1197.5	1194.9	1181.8	1179.1	1167.2	1147.5	1125.2	1063.3
22.5°	1176.5	1181.8	1192.2	1190.9	1192.2	1181.8	1176.5	1158.0	1140.9	1125.2	1100.2
25°	1163.3	1163.3	1164.6	1165.9	1164.6	1163.3	1163.3	1148.8	1114.6	1110.6	1096.2
27.5°	1135.6	1138.3	1146.2	1144.9	1146.2	1138.3	1135.6	1130.4	1093.5	1089.6	1079.1
30°	1110.6	1108.0	1101.5	1096.2	1101.5	1108.0	1110.6	1102.8	1065.9	1055.4	1058.1
32.5°	1068.5	1061.9	1055.4	1051.5	1055.4	1061.9	1068.5	1065.9	1038.3	1023.8	1026.5
35°	1018.5	1019.9	1018.5	1014.6	1018.5	1019.9	1018.5	1021.2	1004.1	990.9	989.6
37.5°	983.1	985.6	984.3	979.1	984.3	985.6	983.1	980.4	956.7	952.8	955.4
40°	946.2	947.5	946.2	942.2	946.2	947.5	946.2	940.9	908.1	909.3	918.5
42.5°	910.6	909.3	905.4	902.8	905.4	909.3	910.6	902.8	860.6	856.7	873.8
45°	869.8	871.2	863.2	859.3	863.2	871.2	869.8	864.6	821.2	810.6	822.5
47.5°	829.1	829.1	822.5	818.5	822.5	829.1	829.1	822.5	776.4	765.9	772.5
50°	785.6	784.4	775.1	773.8	775.1	784.4	785.6	781.7	733.0	723.8	723.8
52.5°	735.6	735.6	736.9	739.5	736.9	735.6	735.6	736.9	693.5	684.3	681.7
55°	692.2	693.5	702.7	705.4	702.7	693.5	692.2	692.2	652.7	643.5	638.2
57.5°	647.4	647.4	654.1	654.1	654.1	647.4	647.4	644.8	606.7	598.8	596.1
60°	596.1	598.8	604.0	602.7	604.0	598.8	596.1	593.5	560.5	555.4	546.1
62.5°	542.1	544.8	546.1	543.5	546.1	544.8	542.1	534.3	514.5	510.5	498.7
65°	485.6	488.2	489.5	486.9	489.5	488.2	485.6	481.7	467.1	460.6	450.1
67.5°	427.7	426.4	425.1	430.3	425.1	426.4	427.7	422.4	413.2	408.0	393.4
70°	368.4	368.4	367.1	369.8	367.1	368.4	368.4	364.5	359.3	355.3	342.1
72.5°	305.3	304.0	309.3	305.3	309.3	304.0	305.3	304.0	301.4	297.4	284.3
75°	243.4	246.1	243.4	247.4	243.4	246.1	243.4	244.7	243.4	240.8	231.6
77.5°	185.6	188.1	185.6	185.6	185.6	188.1	185.6	186.8	186.8	186.8	179.0
80°	131.6	130.3	130.3	129.0	130.3	130.3	131.6	131.6	132.9	130.3	127.7
82.5°	84.3	82.9	82.9	85.6	82.9	82.9	84.3	85.6	82.9	82.9	82.9
85°	46.0	47.4	44.7	44.7	44.7	47.4	46.0	43.4	46.0	46.0	44.7
87.5°	17.1	15.8	15.8	15.8	15.8	15.8	17.1	18.4	18.4	18.4	19.7
90°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	26.1	34.8	39.1	33.7
92.5°	98.0	94.1	78.5	62.9	78.5	94.1	98.0	138.9	193.4	220.7	193.8
95°	332.7	320.8	273.6	226.4	273.6	320.8	332.7	436.8	575.7	645.1	544.8
97.5°	767.8	745.4	655.6	565.7	655.6	745.4	767.8	833.7	921.4	965.3	798.1
100°	1078.3	1051.5	944.5	837.4	944.5	1051.5	1078.3	1073.5	1067.0	1063.8	878.3
102.5°	1343.4	1320.5	1228.8	1137.1	1228.8	1320.5	1343.4	1259.5	1147.7	1091.7	903.6
105°	1652.8	1640.4	1591.2	1541.9	1591.2	1640.4	1652.8	1464.7	1214.0	1088.6	906.5
107.5°	1813.6	1816.6	1828.6	1840.5	1828.6	1816.6	1813.6	1551.4	1201.7	1026.8	866.1
110°	1855.0	1867.8	1919.1	1970.4	1919.1	1867.8	1855.0	1561.7	1170.7	975.2	830.4

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1828.7	1848.4	1927.2	2006.0	1927.2	1848.4	1828.7	1528.6	1128.4	928.3	799.1
115°	1739.4	1766.7	1876.1	1985.4	1876.1	1766.7	1739.4	1450.3	1064.7	872.0	763.2
117.5°	1616.1	1646.4	1767.7	1888.9	1767.7	1646.4	1616.1	1355.2	1007.3	833.4	740.9
120°	1533.1	1562.6	1680.4	1798.2	1680.4	1562.6	1533.1	1294.7	976.9	817.9	733.4
122.5°	1450.1	1479.2	1595.3	1711.5	1595.3	1479.2	1450.1	1235.4	949.2	806.1	729.4
125°	1340.2	1367.0	1474.0	1581.1	1474.0	1367.0	1340.2	1157.8	914.7	793.1	726.1
127.5°	1252.1	1274.7	1364.9	1455.3	1364.9	1274.7	1252.1	1095.5	886.6	782.3	724.2
130°	1196.4	1217.2	1300.7	1384.1	1300.7	1217.2	1196.4	1057.0	871.1	778.2	725.4
132.5°	1149.0	1167.6	1242.3	1317.0	1242.3	1167.6	1149.0	1024.2	857.8	774.6	726.1
135°	1082.0	1098.1	1162.4	1226.8	1162.4	1098.1	1082.0	977.5	838.1	768.4	725.4
137.5°	1032.4	1045.5	1098.3	1151.0	1098.3	1045.5	1032.4	944.0	826.2	767.3	729.9
140°	992.7	1005.1	1054.3	1103.6	1054.3	1005.1	992.7	916.4	814.6	763.7	730.7
142.5°	964.8	975.4	1017.8	1060.2	1017.8	975.4	964.8	897.8	808.5	763.7	733.3
145°	923.1	931.2	963.2	995.3	963.2	931.2	923.1	868.2	795.1	758.6	733.3
147.5°	888.0	894.7	921.2	947.8	921.2	894.7	888.0	844.9	787.3	758.6	738.2
150°	867.9	873.3	894.9	916.4	894.9	873.3	867.9	831.5	782.9	758.6	740.9
152.5°	851.9	856.0	872.2	888.5	872.2	856.0	851.9	820.8	779.3	758.6	742.6
155°	832.9	835.5	846.3	857.1	846.3	835.5	832.9	808.1	775.1	758.6	746.4
157.5°	816.3	818.2	825.8	833.4	825.8	818.2	816.3	797.1	771.4	758.6	750.2
160°	808.1	809.2	813.5	817.9	813.5	809.2	808.1	791.5	769.5	758.6	751.9
162.5°	800.4	801.4	805.6	809.6	805.6	801.4	800.4	786.4	767.8	758.6	753.8
165°	788.4	789.5	793.9	798.3	793.9	789.5	788.4	778.5	765.2	758.6	756.4
167.5°	783.4	783.9	785.6	787.4	785.6	783.9	783.4	776.8	768.1	763.7	761.9
170°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	776.8	768.1	763.7	763.6
172.5°	779.2	778.8	777.2	775.6	777.2	778.8	779.2	774.0	767.1	763.7	763.7
175°	773.5	773.5	773.5	773.5	773.5	773.5	773.5	770.2	765.9	763.7	764.7
177.5°	772.5	772.0	770.2	768.4	770.2	772.0	772.5	769.9	766.4	764.7	765.5
180°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1390.9	1390.9	1390.9	1390.9	1390.9
2.5°	1373.9	1380.5	1384.3	1389.6	1402.8
5°	1321.2	1346.2	1354.2	1373.9	1397.6
7.5°	1205.5	1281.8	1302.8	1350.2	1387.0
10°	1093.5	1169.9	1206.8	1318.6	1373.9
12.5°	1036.9	1081.8	1106.8	1263.3	1355.5
15°	1001.5	1033.1	1051.5	1189.6	1334.3
17.5°	973.8	996.2	1009.3	1117.2	1305.5
20°	956.7	967.2	979.1	1064.6	1272.5
22.5°	944.8	938.2	947.5	1027.8	1227.8
25°	936.9	911.9	922.5	998.8	1175.2
27.5°	943.5	888.2	892.2	972.5	1119.9
30°	944.8	859.3	860.6	944.8	1058.1
32.5°	935.6	829.1	830.4	910.6	988.2
35°	913.2	793.5	792.2	871.2	893.5
37.5°	883.0	755.4	755.4	827.8	789.5
40°	846.2	717.2	721.1	771.1	697.5
42.5°	801.4	676.4	681.7	696.1	629.1
45°	752.7	636.9	640.8	588.2	576.4
47.5°	698.8	596.1	597.4	488.2	559.3
50°	634.3	554.0	548.8	418.5	558.0
52.5°	577.7	508.0	492.1	379.0	506.7
55°	522.4	459.3	425.1	348.7	469.8
57.5°	473.7	396.1	363.2	313.2	461.9
60°	429.0	334.3	309.3	275.0	423.7
62.5°	392.1	288.2	283.0	248.7	384.3
65°	352.7	256.6	255.3	226.4	326.4
67.5°	314.5	235.6	234.3	205.3	248.7
70°	273.7	213.1	210.6	183.0	184.3
72.5°	231.6	188.1	185.6	164.5	152.7
75°	189.5	159.3	157.9	143.4	123.7
77.5°	148.7	126.3	129.0	115.8	90.8
80°	106.6	92.1	94.7	82.9	68.4
82.5°	71.0	60.6	63.1	52.6	46.0
85°	39.4	34.3	35.6	27.6	21.0
87.5°	18.4	15.8	15.8	10.6	6.6
90°	22.7	14.4	13.4	9.3	5.2
92.5°	139.9	99.5	90.7	55.7	20.6
95°	344.3	193.9	177.9	113.6	49.5
97.5°	463.7	212.9	198.8	142.1	85.6
100°	507.3	229.0	216.1	164.8	113.4
102.5°	527.2	244.9	233.0	185.1	137.1
105°	542.0	268.7	258.6	218.0	177.4
107.5°	544.8	303.8	294.3	256.5	218.6
110°	540.6	323.3	314.7	280.7	246.5

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CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	540.7	347.0	338.8	306.4	273.8
115°	545.8	382.7	375.2	345.1	315.0
117.5°	556.0	417.2	410.5	383.2	355.9
120°	564.2	437.3	431.0	405.3	379.6
122.5°	576.1	461.0	454.6	428.7	402.8
125°	592.0	491.4	485.6	461.9	438.3
127.5°	608.0	520.8	514.8	491.0	467.2
130°	619.7	540.4	534.1	508.4	482.7
132.5°	629.2	556.5	550.1	524.4	498.7
135°	639.4	575.0	569.1	545.8	522.4
137.5°	654.9	598.7	592.9	569.7	546.6
140°	664.4	614.7	609.4	588.0	566.7
142.5°	672.3	626.6	621.6	601.9	582.2
145°	682.6	644.6	640.3	623.1	606.0
147.5°	697.7	667.3	663.1	646.4	629.7
150°	705.7	679.2	675.4	660.2	645.1
152.5°	710.8	686.9	684.1	672.6	661.1
155°	722.1	703.9	701.8	693.3	684.8
157.5°	733.5	720.9	718.8	710.6	702.4
160°	738.6	728.7	727.1	720.6	714.2
162.5°	744.1	736.9	735.7	730.9	726.1
165°	752.1	748.8	747.7	743.3	738.9
167.5°	758.3	755.5	755.0	752.9	750.9
170°	763.4	763.2	762.7	760.6	758.6
172.5°	763.7	763.7	763.6	763.1	762.7
175°	766.8	768.4	768.4	768.4	768.4
177.5°	767.2	768.4	768.4	768.4	768.4
180°	768.4	768.4	768.4	768.4	768.4

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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	12.89	13.69	13.92	14.72	16.10	15.69	16.49	16.71	17.52	18.90
	3H	13.37	14.08	14.40	15.12	16.52	17.02	17.73	18.06	18.77	20.17
	4H	13.55	14.23	14.60	15.27	16.68	17.46	18.13	18.50	19.17	20.58
	6H	13.67	14.29	14.73	15.34	16.76	17.73	18.35	18.79	19.40	20.82
	8H	13.67	14.26	14.73	15.32	16.74	17.80	18.39	18.86	19.45	20.87
	12H	13.64	14.20	14.70	15.26	16.69	17.83	18.39	18.90	19.45	20.89
4H	2H	13.91	14.58	14.96	15.63	17.04	16.09	16.77	17.15	17.81	19.22
	3H	14.93	15.49	15.99	16.56	17.98	17.58	18.15	18.64	19.22	20.64
	4H	15.20	15.72	16.27	16.78	18.22	18.10	18.62	19.17	19.68	21.12
	6H	15.33	15.77	16.40	16.85	18.29	18.46	18.90	19.53	19.98	21.42
	8H	15.33	15.74	16.41	16.82	18.27	18.56	18.97	19.63	20.05	21.50
	12H	15.29	15.67	16.39	16.76	18.22	18.61	18.98	19.70	20.07	21.53
8H	4H	15.65	16.06	16.72	17.14	18.59	18.22	18.64	19.30	19.71	21.17
	6H	15.91	16.25	17.00	17.37	18.82	18.65	18.99	19.75	20.11	21.56
	8H	15.95	16.25	17.05	17.35	18.82	18.79	19.09	19.90	20.20	21.66
	12H	15.93	16.19	17.04	17.29	18.80	18.88	19.15	19.99	20.24	21.75
12H	4H	15.65	16.02	16.74	17.11	18.57	18.18	18.56	19.28	19.65	21.11
	6H	15.97	16.26	17.07	17.37	18.84	18.64	18.94	19.75	20.05	21.52
	8H	16.03	16.29	17.14	17.39	18.90	18.80	19.06	19.91	20.16	21.67