

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: P935095

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935095
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-B2750-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

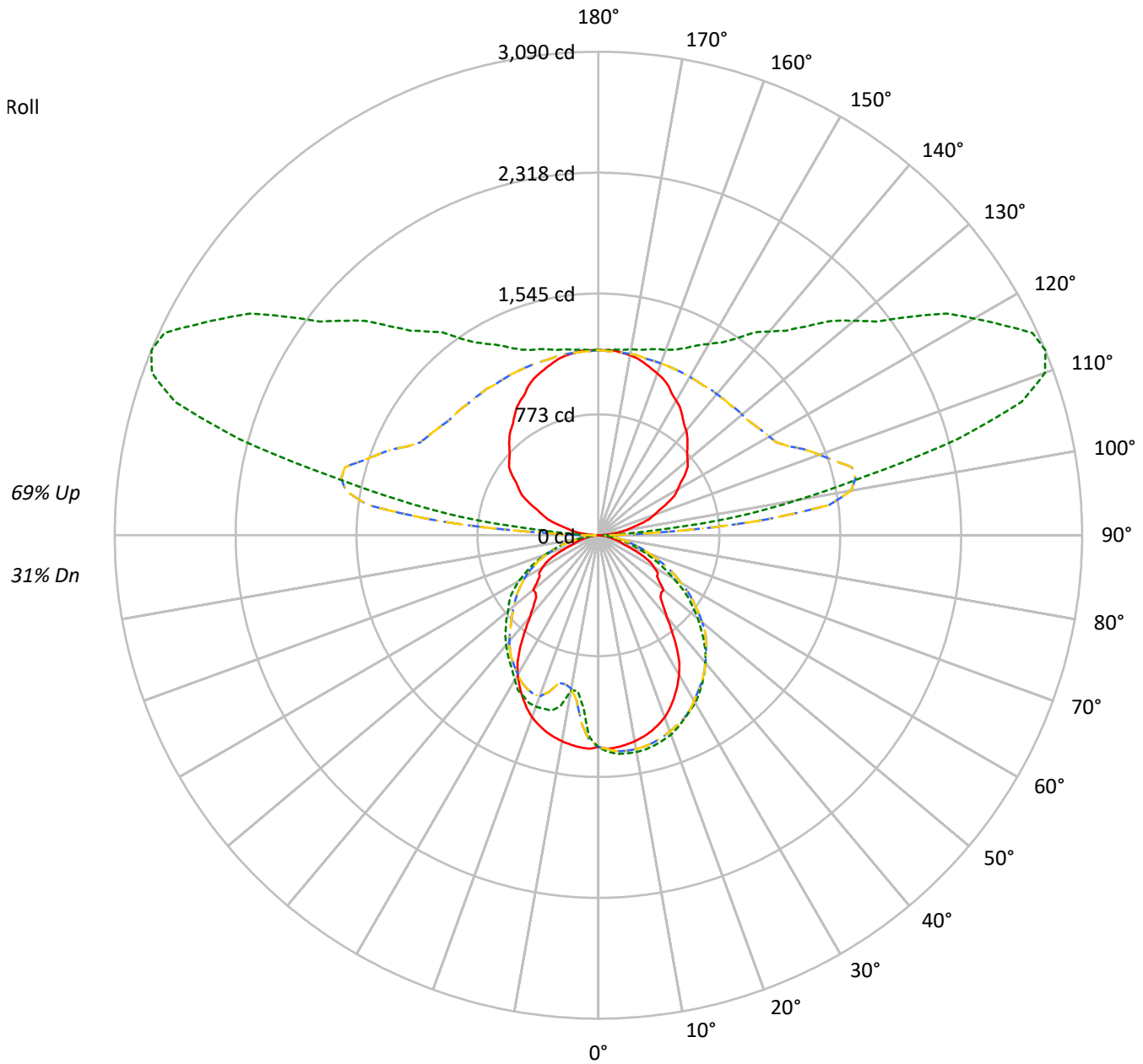
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11188.8 lumens
Efficiency: N/A
Efficacy: 135.8 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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CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-4000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6282	6282	6282	6282
5°	6329	6341	6329	4986
10°	6286	6246	6286	4466
15°	6218	6111	6218	5103
20°	6088	5951	6088	5114
25°	5822	5717	5822	5005
30°	5478	5523	5478	4767
35°	4883	5277	4883	4506
40°	4069	4988	4069	4308
45°	3636	4650	3636	4081
50°	3863	4247	3863	3853
55°	3634	3812	3634	3721
60°	3747	3237	3747	3408
65°	3396	2676	3396	2992
70°	2352	2133	2352	2507
75°	2062	1576	2062	1888
80°	1662	1042	1662	1135
85°	955	553	955	469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5572 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	1.1
10°-20°	347.0	3.1
20°-30°	536.4	4.8
30°-40°	640.4	5.7
40°-50°	644.1	5.8
50°-60°	560.5	5.0
60°-70°	397.4	3.6
70°-80°	210.2	1.9
80°-90°	56.9	0.5
90°-100°	577.0	5.2
100°-110°	1517.0	13.6
110°-120°	1573.0	14.1
120°-130°	1261.7	11.3
130°-140°	990.0	8.8
140°-150°	759.9	6.8
150°-160°	547.2	4.9
160°-170°	334.8	3.0
170°-180°	113.1	1.0
0°-30°	1005.6	9.0
0°-40°	1646.0	14.7
0°-60°	2850.6	25.5
0°-90°	3515.1	31.4
90°-120°	3667.0	32.8
90°-150°	6678.5	59.7
90°-180°	7674.0	68.6
0°-180°	11188.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1354	1354	1354	1354	1354	
5°	1360	1403	1360	1103	1360	129
15°	1299	1390	1299	1160	1299	365
25°	1144	1296	1144	1135	1144	525
35°	870	1157	870	988	870	538
45°	561	953	561	836	561	449
55°	457	703	457	686	457	420
65°	318	424	318	474	318	304
75°	120	201	120	241	120	127
85°	20	51	20	44	20	28
90°	8	30	8	30	8	7
95°	76	349	76	349	76	85
105°	273	2375	273	2375	273	290
115°	485	3059	485	3059	485	479
125°	675	2436	675	2436	675	600
135°	805	1890	805	1890	805	623
145°	934	1533	934	1533	934	585
155°	1055	1320	1055	1320	1055	485
165°	1138	1230	1138	1230	1138	321
175°	1184	1192	1184	1192	1184	112
180°	1184	1184	1184	1184	1184	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1365.5	1365.5	1373.2	1375.8	1375.8	1371.9	1368.0	1371.9	1383.4	1387.2	1386.0
5°	1360.4	1370.6	1384.8	1387.2	1389.8	1388.6	1386.0	1388.6	1401.4	1403.9	1405.2
7.5°	1350.1	1369.4	1387.2	1391.1	1395.0	1391.1	1389.8	1392.4	1405.2	1407.8	1407.8
10°	1337.3	1364.2	1384.8	1387.2	1391.1	1387.2	1387.2	1392.4	1405.2	1407.8	1409.0
12.5°	1319.3	1356.5	1375.8	1378.3	1383.4	1382.2	1380.8	1386.0	1398.8	1401.4	1401.4
15°	1298.9	1342.4	1360.4	1362.9	1371.9	1369.4	1369.4	1374.4	1388.6	1392.4	1391.1
17.5°	1270.7	1324.5	1345.0	1348.8	1355.2	1354.0	1355.2	1360.4	1373.2	1375.8	1377.0
20°	1238.6	1300.1	1324.5	1328.3	1334.7	1334.7	1334.7	1341.1	1354.0	1359.1	1359.1
22.5°	1195.1	1274.5	1300.1	1302.7	1310.5	1310.5	1312.9	1321.9	1333.5	1334.7	1334.7
25°	1143.9	1246.4	1268.1	1275.8	1283.5	1287.3	1291.2	1296.3	1300.1	1298.9	1300.1
27.5°	1090.1	1210.5	1238.6	1243.8	1254.0	1257.9	1263.0	1264.3	1265.6	1269.4	1266.9
30°	1029.9	1160.5	1202.8	1208.0	1224.6	1227.2	1222.0	1224.6	1231.0	1233.6	1236.2
32.5°	962.0	1086.2	1165.7	1177.2	1192.6	1184.9	1183.6	1187.4	1197.7	1197.7	1200.2
35°	869.7	1028.6	1131.1	1141.3	1152.9	1143.9	1149.1	1150.3	1156.7	1160.5	1159.3
37.5°	768.6	978.7	1095.2	1102.9	1111.9	1100.4	1108.0	1111.9	1117.0	1114.4	1114.4
40°	678.9	900.5	1053.0	1058.0	1065.8	1056.8	1064.4	1067.0	1069.6	1067.0	1065.8
42.5°	612.3	814.7	1008.1	1014.5	1009.3	1015.8	1018.3	1023.5	1019.7	1014.5	1014.5
45°	561.1	791.6	959.4	967.1	959.4	969.7	973.5	973.5	962.0	959.4	958.2
47.5°	544.4	745.5	910.8	910.8	906.9	919.8	926.2	917.2	905.6	901.8	901.8
50°	543.1	694.3	844.1	839.1	856.9	872.3	865.9	856.9	847.9	833.9	833.9
52.5°	493.2	631.5	758.4	777.6	805.7	814.7	804.4	795.5	780.1	773.6	768.6
55°	457.3	566.2	680.2	718.6	748.1	759.6	740.4	731.4	708.3	704.5	701.9
57.5°	449.6	471.4	608.4	657.1	692.9	691.7	680.2	663.5	644.3	640.5	639.2
60°	412.5	340.7	531.6	589.2	626.4	622.6	612.3	596.9	579.0	576.4	573.9
62.5°	374.1	247.2	444.5	509.8	562.3	561.1	552.1	529.1	516.2	509.8	504.7
65°	317.6	207.5	316.4	424.0	499.6	502.1	482.9	466.2	452.2	444.5	443.2
67.5°	242.1	169.1	213.9	353.5	439.4	436.8	412.5	404.8	386.9	383.1	375.3
70°	179.3	112.7	148.6	287.0	380.5	374.1	354.8	345.9	329.2	320.2	315.2
72.5°	148.6	90.9	108.9	222.9	320.2	312.6	295.9	285.6	271.6	263.9	258.7
75°	120.4	96.1	83.3	165.2	260.0	254.9	239.5	229.3	217.7	207.5	208.8
77.5°	88.4	89.7	66.6	121.7	206.3	198.5	189.6	176.8	171.6	161.4	161.4
80°	66.6	70.5	49.9	83.3	148.6	148.6	140.9	132.0	123.0	117.8	117.8
82.5°	44.8	44.8	37.1	52.5	101.2	97.3	92.3	89.7	84.5	81.9	81.9
85°	20.5	25.6	23.0	32.0	55.1	57.7	57.7	55.1	53.8	51.3	52.5
87.5°	6.4	11.6	14.1	18.0	28.2	29.5	30.8	30.8	30.8	32.0	32.0
90°	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2	30.2	30.2
92.5°	31.8	85.9	139.9	153.4	215.5	298.5	340.0	298.0	214.0	151.0	145.0
95°	76.3	175.1	274.0	298.7	530.4	839.3	993.9	886.9	672.9	512.5	494.3
97.5°	131.9	219.1	306.4	328.1	714.5	1229.7	1487.2	1419.6	1284.4	1183.0	1148.4
100°	174.8	253.8	333.0	352.8	781.5	1353.1	1639.0	1643.9	1653.8	1661.2	1620.0
102.5°	211.3	285.1	358.9	377.3	812.1	1391.9	1681.9	1768.0	1940.4	2069.6	2034.2
105°	273.3	335.8	398.2	413.9	835.0	1396.4	1677.1	1870.2	2256.5	2546.2	2527.2
107.5°	336.8	395.1	453.3	468.0	839.3	1334.2	1581.8	1851.2	2390.0	2794.0	2798.6
110°	379.7	432.3	484.9	498.1	832.9	1279.1	1502.3	1803.5	2405.8	2857.6	2877.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	421.8	472.0	522.2	534.7	833.1	1231.1	1430.0	1738.3	2354.7	2817.2	2847.5
115°	485.4	531.6	578.0	589.5	840.8	1175.9	1343.4	1640.4	2234.3	2679.7	2721.8
117.5°	548.2	590.2	632.2	642.7	856.4	1141.3	1283.8	1551.8	2087.8	2489.8	2536.5
120°	584.7	624.3	663.8	673.7	869.1	1129.8	1260.0	1504.9	1994.6	2361.9	2407.3
122.5°	620.5	660.4	700.3	710.2	887.4	1123.6	1241.7	1462.2	1903.2	2234.0	2278.8
125°	675.3	711.7	748.1	757.1	912.0	1118.6	1221.8	1409.2	1783.8	2064.8	2106.1
127.5°	719.8	756.5	793.2	802.4	936.7	1115.7	1205.2	1366.0	1687.7	1928.9	1963.7
130°	743.6	783.1	822.6	832.6	954.6	1117.4	1198.8	1342.0	1628.4	1843.2	1875.2
132.5°	768.2	807.7	847.3	857.2	969.2	1118.6	1193.3	1321.4	1577.8	1770.0	1798.7
135°	804.8	840.8	876.9	885.9	985.2	1117.5	1183.7	1291.1	1505.7	1666.8	1691.6
137.5°	842.1	877.7	913.5	922.3	1009.0	1124.4	1182.1	1272.8	1454.4	1590.5	1610.8
140°	873.1	905.9	938.8	947.0	1023.5	1125.6	1176.6	1255.0	1411.8	1529.3	1548.3
142.5°	896.9	927.3	957.7	965.2	1035.7	1129.6	1176.6	1245.4	1383.1	1486.5	1502.8
145°	933.5	960.0	986.5	993.1	1051.6	1129.7	1168.6	1225.0	1337.6	1422.1	1434.4
147.5°	970.0	995.8	1021.6	1028.1	1074.9	1137.4	1168.6	1212.9	1301.6	1368.0	1378.3
150°	993.9	1017.2	1040.5	1046.3	1087.1	1141.4	1168.6	1206.1	1280.9	1337.1	1345.4
152.5°	1018.5	1036.2	1053.8	1058.2	1095.0	1144.1	1168.6	1200.6	1264.5	1312.5	1318.8
155°	1055.0	1068.1	1081.2	1084.4	1112.5	1149.9	1168.6	1194.0	1244.9	1283.0	1287.1
157.5°	1082.0	1094.7	1107.5	1110.7	1130.0	1155.7	1168.6	1188.4	1227.9	1257.6	1260.5
160°	1100.4	1110.3	1120.1	1122.6	1138.0	1158.4	1168.6	1185.6	1219.5	1244.9	1246.7
162.5°	1118.6	1126.0	1133.5	1135.3	1146.4	1161.2	1168.6	1183.0	1211.5	1233.0	1234.6
165°	1138.5	1145.1	1151.8	1153.5	1158.6	1165.3	1168.6	1178.9	1199.4	1214.8	1216.5
167.5°	1156.7	1159.8	1163.1	1163.9	1168.1	1173.7	1176.6	1183.2	1196.7	1206.7	1207.4
170°	1168.6	1171.8	1175.0	1175.8	1176.1	1176.4	1176.6	1183.2	1196.7	1206.7	1206.7
172.5°	1175.0	1175.7	1176.4	1176.6	1176.6	1176.6	1176.6	1181.9	1192.5	1200.4	1199.9
175°	1183.7	1183.7	1183.7	1183.7	1181.3	1178.2	1176.6	1179.9	1186.6	1191.6	1191.6
177.5°	1183.7	1183.7	1183.7	1183.7	1181.9	1179.4	1178.2	1180.9	1186.1	1190.1	1189.5
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1388.6	1384.8	1388.6	1386.0	1387.2	1383.4	1371.9	1368.0	1371.9	1375.8	1375.8
5°	1405.2	1402.6	1405.2	1405.2	1403.9	1401.4	1388.6	1386.0	1388.6	1389.8	1387.2
7.5°	1410.3	1406.5	1410.3	1407.8	1407.8	1405.2	1392.4	1389.8	1391.1	1395.0	1391.1
10°	1410.3	1406.5	1410.3	1409.0	1407.8	1405.2	1392.4	1387.2	1387.2	1391.1	1387.2
12.5°	1403.9	1401.4	1403.9	1401.4	1401.4	1398.8	1386.0	1380.8	1382.2	1383.4	1378.3
15°	1393.6	1389.8	1393.6	1391.1	1392.4	1388.6	1374.4	1369.4	1369.4	1371.9	1362.9
17.5°	1378.3	1373.2	1378.3	1377.0	1375.8	1373.2	1360.4	1355.2	1354.0	1355.2	1348.8
20°	1360.4	1356.5	1360.4	1359.1	1359.1	1354.0	1341.1	1334.7	1334.7	1334.7	1328.3
22.5°	1332.2	1328.3	1332.2	1334.7	1334.7	1333.5	1321.9	1312.9	1310.5	1310.5	1302.7
25°	1300.1	1296.3	1300.1	1300.1	1298.9	1300.1	1296.3	1291.2	1287.3	1283.5	1275.8
27.5°	1269.4	1266.9	1269.4	1266.9	1269.4	1265.6	1264.3	1263.0	1257.9	1254.0	1243.8
30°	1238.6	1236.2	1238.6	1236.2	1233.6	1231.0	1224.6	1222.0	1227.2	1224.6	1208.0
32.5°	1200.2	1197.7	1200.2	1200.2	1197.7	1197.7	1187.4	1183.6	1184.9	1192.6	1177.2
35°	1160.5	1156.7	1160.5	1159.3	1160.5	1156.7	1150.3	1149.1	1143.9	1152.9	1141.3
37.5°	1114.4	1110.6	1114.4	1114.4	1114.4	1117.0	1111.9	1108.0	1100.4	1111.9	1102.9
40°	1067.0	1061.9	1067.0	1065.8	1067.0	1069.6	1067.0	1064.4	1056.8	1065.8	1058.0
42.5°	1013.3	1011.9	1013.3	1014.5	1014.5	1019.7	1023.5	1018.3	1015.8	1009.3	1014.5
45°	955.6	953.0	955.6	958.2	959.4	962.0	973.5	973.5	969.7	959.4	967.1
47.5°	894.1	887.7	894.1	901.8	901.8	905.6	917.2	926.2	919.8	906.9	910.8
50°	828.7	830.1	828.7	833.9	833.9	847.9	856.9	865.9	872.3	856.9	839.1
52.5°	764.8	763.4	764.8	768.6	773.6	780.1	795.5	804.4	814.7	805.7	777.6
55°	700.7	703.3	700.7	701.9	704.5	708.3	731.4	740.4	759.6	748.1	718.6
57.5°	636.6	632.8	636.6	639.2	640.5	644.3	663.5	680.2	691.7	692.9	657.1
60°	562.3	557.2	562.3	573.9	576.4	579.0	596.9	612.3	622.6	626.4	589.2
62.5°	497.0	488.0	497.0	504.7	509.8	516.2	529.1	552.1	561.1	562.3	509.8
65°	427.8	424.0	427.8	443.2	444.5	452.2	466.2	482.9	502.1	499.6	424.0
67.5°	365.1	365.1	365.1	375.3	383.1	386.9	404.8	412.5	436.8	439.4	353.5
70°	307.4	306.2	307.4	315.2	320.2	329.2	345.9	354.8	374.1	380.5	287.0
72.5°	252.3	251.1	252.3	258.7	263.9	271.6	285.6	295.9	312.6	320.2	222.9
75°	203.7	201.1	203.7	208.8	207.5	217.7	229.3	239.5	254.9	260.0	165.2
77.5°	156.2	156.2	156.2	161.4	161.4	171.6	176.8	189.6	198.5	206.3	121.7
80°	116.6	115.3	116.6	117.8	117.8	123.0	132.0	140.9	148.6	148.6	83.3
82.5°	81.9	79.5	81.9	81.9	81.9	84.5	89.7	92.3	97.3	101.2	52.5
85°	51.3	51.3	51.3	52.5	51.3	53.8	55.1	57.7	57.7	55.1	32.0
87.5°	33.3	32.0	33.3	32.0	32.0	30.8	30.8	30.8	29.5	28.2	18.0
90°	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9	35.0	22.3
92.5°	121.0	96.9	121.0	145.0	151.0	214.0	298.0	340.0	298.5	215.5	153.4
95°	421.5	348.8	421.5	494.3	512.5	672.9	886.9	993.9	839.3	530.4	298.7
97.5°	1009.9	871.5	1009.9	1148.4	1183.0	1284.4	1419.6	1487.2	1229.7	714.5	328.1
100°	1455.1	1290.2	1455.1	1620.0	1661.2	1653.8	1643.9	1639.0	1353.1	781.5	352.8
102.5°	1893.0	1751.8	1893.0	2034.2	2069.6	1940.4	1768.0	1681.9	1391.9	812.1	377.3
105°	2451.3	2375.4	2451.3	2527.2	2546.2	2256.5	1870.2	1677.1	1396.4	835.0	413.9
107.5°	2817.1	2835.4	2817.1	2798.6	2794.0	2390.0	1851.2	1581.8	1334.2	839.3	468.0
110°	2956.5	3035.6	2956.5	2877.4	2857.6	2405.8	1803.5	1502.3	1279.1	832.9	498.1



TEST NUMBER: P935095

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2968.9	3090.4	2968.9	2847.5	2817.2	2354.7	1738.3	1430.0	1231.1	833.1	534.7
115°	2890.2	3058.7	2890.2	2721.8	2679.7	2234.3	1640.4	1343.4	1175.9	840.8	589.5
117.5°	2723.3	2910.1	2723.3	2536.5	2489.8	2087.8	1551.8	1283.8	1141.3	856.4	642.7
120°	2588.8	2770.3	2588.8	2407.3	2361.9	1994.6	1504.9	1260.0	1129.8	869.1	673.7
122.5°	2457.8	2636.8	2457.8	2278.8	2234.0	1903.2	1462.2	1241.7	1123.6	887.4	710.2
125°	2270.9	2435.8	2270.9	2106.1	2064.8	1783.8	1409.2	1221.8	1118.6	912.0	757.1
127.5°	2102.8	2242.0	2102.8	1963.7	1928.9	1687.7	1366.0	1205.2	1115.7	936.7	802.4
130°	2003.8	2132.3	2003.8	1875.2	1843.2	1628.4	1342.0	1198.8	1117.4	954.6	832.6
132.5°	1913.9	2029.0	1913.9	1798.7	1770.0	1577.8	1321.4	1193.3	1118.6	969.2	857.2
135°	1790.8	1890.0	1790.8	1691.6	1666.8	1505.7	1291.1	1183.7	1117.5	985.2	885.9
137.5°	1692.0	1773.2	1692.0	1610.8	1590.5	1454.4	1272.8	1182.1	1124.4	1009.0	922.3
140°	1624.2	1700.1	1624.2	1548.3	1529.3	1411.8	1255.0	1176.6	1125.6	1023.5	947.0
142.5°	1568.1	1633.4	1568.1	1502.8	1486.5	1383.1	1245.4	1176.6	1129.6	1035.7	965.2
145°	1483.9	1533.3	1483.9	1434.4	1422.1	1337.6	1225.0	1168.6	1129.7	1051.6	993.1
147.5°	1419.2	1460.2	1419.2	1378.3	1368.0	1301.6	1212.9	1168.6	1137.4	1074.9	1028.1
150°	1378.5	1411.8	1378.5	1345.4	1337.1	1280.9	1206.1	1168.6	1141.4	1087.1	1046.3
152.5°	1343.8	1368.8	1343.8	1318.8	1312.5	1264.5	1200.6	1168.6	1144.1	1095.0	1058.2
155°	1303.8	1320.4	1303.8	1287.1	1283.0	1244.9	1194.0	1168.6	1149.9	1112.5	1084.4
157.5°	1272.2	1283.8	1272.2	1260.5	1257.6	1227.9	1188.4	1168.6	1155.7	1130.0	1110.7
160°	1253.3	1260.0	1253.3	1246.7	1244.9	1219.5	1185.6	1168.6	1158.4	1138.0	1122.6
162.5°	1240.9	1247.3	1240.9	1234.6	1233.0	1211.5	1183.0	1168.6	1161.2	1146.4	1135.3
165°	1223.2	1229.8	1223.2	1216.5	1214.8	1199.4	1178.9	1168.6	1165.3	1158.6	1153.5
167.5°	1210.3	1213.1	1210.3	1207.4	1206.7	1196.7	1183.2	1176.6	1173.7	1168.1	1163.9
170°	1206.7	1206.7	1206.7	1206.7	1206.7	1196.7	1183.2	1176.6	1176.4	1176.1	1175.8
172.5°	1197.4	1194.9	1197.4	1199.9	1200.4	1192.5	1181.9	1176.6	1176.6	1176.6	1176.6
175°	1191.6	1191.6	1191.6	1191.6	1191.6	1186.6	1179.9	1176.6	1178.2	1181.3	1183.7
177.5°	1186.6	1183.7	1186.6	1189.5	1190.1	1186.1	1180.9	1178.2	1179.4	1181.9	1183.7
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1373.2	1365.5	1365.5	1352.7	1347.6	1343.7	1337.3	1318.1	1312.9	1307.9	1315.5
5°	1384.8	1370.6	1360.4	1337.3	1318.1	1310.5	1286.1	1240.0	1209.2	1186.1	1173.3
7.5°	1387.2	1369.4	1350.1	1314.3	1268.1	1247.6	1173.3	1088.8	1065.8	1045.2	1032.5
10°	1384.8	1364.2	1337.3	1283.5	1174.6	1138.7	1064.4	1009.3	995.3	991.5	995.3
12.5°	1375.8	1356.5	1319.3	1229.8	1077.2	1053.0	1009.3	977.3	974.8	981.2	1015.8
15°	1360.4	1342.4	1298.9	1157.9	1023.5	1005.5	974.8	963.3	977.3	1022.2	1125.9
17.5°	1345.0	1324.5	1270.7	1087.6	982.5	969.7	947.9	970.9	1050.4	1110.6	1145.1
20°	1324.5	1300.1	1238.6	1036.3	953.0	941.5	931.2	1035.0	1095.2	1117.0	1136.2
22.5°	1300.1	1274.5	1195.1	1000.5	922.2	913.4	919.8	1070.8	1095.2	1110.6	1127.2
25°	1268.1	1246.4	1143.9	972.3	898.0	887.7	912.0	1067.0	1081.2	1085.0	1118.3
27.5°	1238.6	1210.5	1090.1	946.6	868.5	864.7	918.4	1050.4	1060.6	1064.4	1100.4
30°	1202.8	1160.5	1029.9	919.8	837.7	836.5	919.8	1029.9	1027.3	1037.6	1073.4
32.5°	1165.7	1086.2	962.0	886.4	808.3	807.0	910.8	999.1	996.5	1010.7	1037.6
35°	1131.1	1028.6	869.7	847.9	771.2	772.4	889.0	963.3	964.6	977.3	994.1
37.5°	1095.2	978.7	768.6	805.7	735.3	735.3	859.5	930.0	927.4	931.2	954.3
40°	1053.0	900.5	678.9	750.6	701.9	698.1	823.7	894.1	885.1	883.9	915.8
42.5°	1008.1	814.7	612.3	677.7	663.5	658.4	780.1	850.5	833.9	837.7	878.7
45°	959.4	791.6	561.1	572.6	623.8	620.0	732.7	800.6	789.0	799.3	841.5
47.5°	910.8	745.5	544.4	475.2	581.6	580.3	680.2	751.9	745.5	755.8	800.6
50°	844.1	694.3	543.1	407.3	534.1	539.3	617.4	704.5	704.5	713.5	760.8
52.5°	758.4	631.5	493.2	368.9	479.0	494.4	562.3	663.5	666.1	675.1	717.3
55°	680.2	566.2	457.3	339.4	413.7	447.0	508.5	621.2	626.4	635.4	673.8
57.5°	608.4	471.4	449.6	304.8	353.5	385.5	461.2	580.3	582.8	590.5	627.6
60°	531.6	340.7	412.5	267.7	301.0	325.4	417.6	531.6	540.5	545.7	577.7
62.5°	444.5	247.2	374.1	242.1	275.4	280.5	381.7	485.5	497.0	500.9	520.1
65°	316.4	207.5	317.6	220.3	248.5	249.8	343.3	438.1	448.4	454.8	468.8
67.5°	213.9	169.1	242.1	199.8	228.1	229.3	306.2	383.1	397.1	402.2	411.2
70°	148.6	112.7	179.3	178.0	204.9	207.5	266.4	333.0	345.9	349.7	354.8
72.5°	108.9	90.9	148.6	160.2	180.6	183.2	225.5	276.7	289.5	293.4	295.9
75°	83.3	96.1	120.4	139.6	153.8	155.0	184.4	225.5	234.5	236.9	238.3
77.5°	66.6	89.7	88.4	112.7	125.5	123.0	144.8	174.2	181.9	181.9	181.9
80°	49.9	70.5	66.6	80.7	92.3	89.7	103.7	124.2	126.8	129.4	128.1
82.5°	37.1	44.8	44.8	51.3	61.5	58.9	69.1	80.7	80.7	80.7	83.3
85°	23.0	25.6	20.5	26.9	34.6	33.3	38.4	43.5	44.8	44.8	42.3
87.5°	14.1	11.6	6.4	10.2	15.4	15.4	18.0	19.2	18.0	18.0	18.0
90°	20.6	14.3	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2
92.5°	139.9	85.9	31.8	85.9	139.9	153.4	215.5	298.5	340.0	298.0	214.0
95°	274.0	175.1	76.3	175.1	274.0	298.7	530.4	839.3	993.9	886.9	672.9
97.5°	306.4	219.1	131.9	219.1	306.4	328.1	714.5	1229.7	1487.2	1419.6	1284.4
100°	333.0	253.8	174.8	253.8	333.0	352.8	781.5	1353.1	1639.0	1643.9	1653.8
102.5°	358.9	285.1	211.3	285.1	358.9	377.3	812.1	1391.9	1681.9	1768.0	1940.4
105°	398.2	335.8	273.3	335.8	398.2	413.9	835.0	1396.4	1677.1	1870.2	2256.5
107.5°	453.3	395.1	336.8	395.1	453.3	468.0	839.3	1334.2	1581.8	1851.2	2390.0
110°	484.9	432.3	379.7	432.3	484.9	498.1	832.9	1279.1	1502.3	1803.5	2405.8



TEST NUMBER: P935095

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.2	472.0	421.8	472.0	522.2	534.7	833.1	1231.1	1430.0	1738.3	2354.7
115°	578.0	531.6	485.4	531.6	578.0	589.5	840.8	1175.9	1343.4	1640.4	2234.3
117.5°	632.2	590.2	548.2	590.2	632.2	642.7	856.4	1141.3	1283.8	1551.8	2087.8
120°	663.8	624.3	584.7	624.3	663.8	673.7	869.1	1129.8	1260.0	1504.9	1994.6
122.5°	700.3	660.4	620.5	660.4	700.3	710.2	887.4	1123.6	1241.7	1462.2	1903.2
125°	748.1	711.7	675.3	711.7	748.1	757.1	912.0	1118.6	1221.8	1409.2	1783.8
127.5°	793.2	756.5	719.8	756.5	793.2	802.4	936.7	1115.7	1205.2	1366.0	1687.7
130°	822.6	783.1	743.6	783.1	822.6	832.6	954.6	1117.4	1198.8	1342.0	1628.4
132.5°	847.3	807.7	768.2	807.7	847.3	857.2	969.2	1118.6	1193.3	1321.4	1577.8
135°	876.9	840.8	804.8	840.8	876.9	885.9	985.2	1117.5	1183.7	1291.1	1505.7
137.5°	913.5	877.7	842.1	877.7	913.5	922.3	1009.0	1124.4	1182.1	1272.8	1454.4
140°	938.8	905.9	873.1	905.9	938.8	947.0	1023.5	1125.6	1176.6	1255.0	1411.8
142.5°	957.7	927.3	896.9	927.3	957.7	965.2	1035.7	1129.6	1176.6	1245.4	1383.1
145°	986.5	960.0	933.5	960.0	986.5	993.1	1051.6	1129.7	1168.6	1225.0	1337.6
147.5°	1021.6	995.8	970.0	995.8	1021.6	1028.1	1074.9	1137.4	1168.6	1212.9	1301.6
150°	1040.5	1017.2	993.9	1017.2	1040.5	1046.3	1087.1	1141.4	1168.6	1206.1	1280.9
152.5°	1053.8	1036.2	1018.5	1036.2	1053.8	1058.2	1095.0	1144.1	1168.6	1200.6	1264.5
155°	1081.2	1068.1	1055.0	1068.1	1081.2	1084.4	1112.5	1149.9	1168.6	1194.0	1244.9
157.5°	1107.5	1094.7	1082.0	1094.7	1107.5	1110.7	1130.0	1155.7	1168.6	1188.4	1227.9
160°	1120.1	1110.3	1100.4	1110.3	1120.1	1122.6	1138.0	1158.4	1168.6	1185.6	1219.5
162.5°	1133.5	1126.0	1118.6	1126.0	1133.5	1135.3	1146.4	1161.2	1168.6	1183.0	1211.5
165°	1151.8	1145.1	1138.5	1145.1	1151.8	1153.5	1158.6	1165.3	1168.6	1178.9	1199.4
167.5°	1163.1	1159.8	1156.7	1159.8	1163.1	1163.9	1168.1	1173.7	1176.6	1183.2	1196.7
170°	1175.0	1171.8	1168.6	1171.8	1175.0	1175.8	1176.1	1176.4	1176.6	1183.2	1196.7
172.5°	1176.4	1175.7	1175.0	1175.7	1176.4	1176.6	1176.6	1176.6	1176.6	1181.9	1192.5
175°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1181.3	1178.2	1176.6	1179.9	1186.6
177.5°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1181.9	1179.4	1178.2	1180.9	1186.1
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935095
 CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1306.5	1302.7	1307.9	1293.7	1307.9	1302.7	1306.5	1315.5	1307.9	1312.9	1318.1
5°	1146.5	1140.1	1119.5	1102.9	1119.5	1140.1	1146.5	1173.3	1186.1	1209.2	1240.0
7.5°	1024.7	1019.7	1014.5	1004.3	1014.5	1019.7	1024.7	1032.5	1045.2	1065.8	1088.8
10°	997.9	999.1	1006.9	1005.5	1006.9	999.1	997.9	995.3	991.5	995.3	1009.3
12.5°	1067.0	1078.6	1120.8	1118.3	1120.8	1078.6	1067.0	1015.8	981.2	974.8	977.3
15°	1146.5	1150.3	1159.3	1160.5	1159.3	1150.3	1146.5	1125.9	1022.2	977.3	963.3
17.5°	1154.1	1155.5	1161.9	1161.9	1161.9	1155.5	1154.1	1145.1	1110.6	1050.4	970.9
20°	1147.7	1150.3	1163.1	1165.7	1163.1	1150.3	1147.7	1136.2	1117.0	1095.2	1035.0
22.5°	1145.1	1150.3	1160.5	1159.3	1160.5	1150.3	1145.1	1127.2	1110.6	1095.2	1070.8
25°	1132.3	1132.3	1133.7	1134.9	1133.7	1132.3	1132.3	1118.3	1085.0	1081.2	1067.0
27.5°	1105.4	1108.0	1115.7	1114.4	1115.7	1108.0	1105.4	1100.4	1064.4	1060.6	1050.4
30°	1081.2	1078.6	1072.2	1067.0	1072.2	1078.6	1081.2	1073.4	1037.6	1027.3	1029.9
32.5°	1040.1	1033.7	1027.3	1023.5	1027.3	1033.7	1040.1	1037.6	1010.7	996.5	999.1
35°	991.5	992.7	991.5	987.6	991.5	992.7	991.5	994.1	977.3	964.6	963.3
37.5°	956.9	959.4	958.2	953.0	958.2	959.4	956.9	954.3	931.2	927.4	930.0
40°	921.0	922.2	921.0	917.2	921.0	922.2	921.0	915.8	883.9	885.1	894.1
42.5°	886.4	885.1	881.3	878.7	881.3	885.1	886.4	878.7	837.7	833.9	850.5
45°	846.7	847.9	840.3	836.5	840.3	847.9	846.7	841.5	799.3	789.0	800.6
47.5°	807.0	807.0	800.6	796.8	800.6	807.0	807.0	800.6	755.8	745.5	751.9
50°	764.8	763.4	754.4	753.2	754.4	763.4	764.8	760.8	713.5	704.5	704.5
52.5°	716.1	716.1	717.3	719.9	717.3	716.1	716.1	717.3	675.1	666.1	663.5
55°	673.8	675.1	684.1	686.5	684.1	675.1	673.8	673.8	635.4	626.4	621.2
57.5°	630.2	630.2	636.6	636.6	636.6	630.2	630.2	627.6	590.5	582.8	580.3
60°	580.3	582.8	588.0	586.7	588.0	582.8	580.3	577.7	545.7	540.5	531.6
62.5°	527.7	530.3	531.6	529.1	531.6	530.3	527.7	520.1	500.9	497.0	485.5
65°	472.6	475.2	476.5	474.0	476.5	475.2	472.6	468.8	454.8	448.4	438.1
67.5°	416.3	415.0	413.7	418.9	413.7	415.0	416.3	411.2	402.2	397.1	383.1
70°	358.7	358.7	357.4	359.9	357.4	358.7	358.7	354.8	349.7	345.9	333.0
72.5°	297.2	295.9	301.0	297.2	301.0	295.9	297.2	295.9	293.4	289.5	276.7
75°	236.9	239.5	236.9	240.9	236.9	239.5	236.9	238.3	236.9	234.5	225.5
77.5°	180.6	183.2	180.6	180.6	180.6	183.2	180.6	181.9	181.9	181.9	174.2
80°	128.1	126.8	126.8	125.5	126.8	126.8	128.1	128.1	129.4	126.8	124.2
82.5°	81.9	80.7	80.7	83.3	80.7	80.7	81.9	83.3	80.7	80.7	80.7
85°	44.8	46.1	43.5	43.5	43.5	46.1	44.8	42.3	44.8	44.8	43.5
87.5°	16.6	15.4	15.4	15.4	15.4	15.4	16.6	18.0	18.0	18.0	19.2
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9
92.5°	151.0	145.0	121.0	96.9	121.0	145.0	151.0	214.0	298.0	340.0	298.5
95°	512.5	494.3	421.5	348.8	421.5	494.3	512.5	672.9	886.9	993.9	839.3
97.5°	1183.0	1148.4	1009.9	871.5	1009.9	1148.4	1183.0	1284.4	1419.6	1487.2	1229.7
100°	1661.2	1620.0	1455.1	1290.2	1455.1	1620.0	1661.2	1653.8	1643.9	1639.0	1353.1
102.5°	2069.6	2034.2	1893.0	1751.8	1893.0	2034.2	2069.6	1940.4	1768.0	1681.9	1391.9
105°	2546.2	2527.2	2451.3	2375.4	2451.3	2527.2	2546.2	2256.5	1870.2	1677.1	1396.4
107.5°	2794.0	2798.6	2817.1	2835.4	2817.1	2798.6	2794.0	2390.0	1851.2	1581.8	1334.2
110°	2857.6	2877.4	2956.5	3035.6	2956.5	2877.4	2857.6	2405.8	1803.5	1502.3	1279.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2817.2	2847.5	2968.9	3090.4	2968.9	2847.5	2817.2	2354.7	1738.3	1430.0	1231.1
115°	2679.7	2721.8	2890.2	3058.7	2890.2	2721.8	2679.7	2234.3	1640.4	1343.4	1175.9
117.5°	2489.8	2536.5	2723.3	2910.1	2723.3	2536.5	2489.8	2087.8	1551.8	1283.8	1141.3
120°	2361.9	2407.3	2588.8	2770.3	2588.8	2407.3	2361.9	1994.6	1504.9	1260.0	1129.8
122.5°	2234.0	2278.8	2457.8	2636.8	2457.8	2278.8	2234.0	1903.2	1462.2	1241.7	1123.6
125°	2064.8	2106.1	2270.9	2435.8	2270.9	2106.1	2064.8	1783.8	1409.2	1221.8	1118.6
127.5°	1928.9	1963.7	2102.8	2242.0	2102.8	1963.7	1928.9	1687.7	1366.0	1205.2	1115.7
130°	1843.2	1875.2	2003.8	2132.3	2003.8	1875.2	1843.2	1628.4	1342.0	1198.8	1117.4
132.5°	1770.0	1798.7	1913.9	2029.0	1913.9	1798.7	1770.0	1577.8	1321.4	1193.3	1118.6
135°	1666.8	1691.6	1790.8	1890.0	1790.8	1691.6	1666.8	1505.7	1291.1	1183.7	1117.5
137.5°	1590.5	1610.8	1692.0	1773.2	1692.0	1610.8	1590.5	1454.4	1272.8	1182.1	1124.4
140°	1529.3	1548.3	1624.2	1700.1	1624.2	1548.3	1529.3	1411.8	1255.0	1176.6	1125.6
142.5°	1486.5	1502.8	1568.1	1633.4	1568.1	1502.8	1486.5	1383.1	1245.4	1176.6	1129.6
145°	1422.1	1434.4	1483.9	1533.3	1483.9	1434.4	1422.1	1337.6	1225.0	1168.6	1129.7
147.5°	1368.0	1378.3	1419.2	1460.2	1419.2	1378.3	1368.0	1301.6	1212.9	1168.6	1137.4
150°	1337.1	1345.4	1378.5	1411.8	1378.5	1345.4	1337.1	1280.9	1206.1	1168.6	1141.4
152.5°	1312.5	1318.8	1343.8	1368.8	1343.8	1318.8	1312.5	1264.5	1200.6	1168.6	1144.1
155°	1283.0	1287.1	1303.8	1320.4	1303.8	1287.1	1283.0	1244.9	1194.0	1168.6	1149.9
157.5°	1257.6	1260.5	1272.2	1283.8	1272.2	1260.5	1257.6	1227.9	1188.4	1168.6	1155.7
160°	1244.9	1246.7	1253.3	1260.0	1253.3	1246.7	1244.9	1219.5	1185.6	1168.6	1158.4
162.5°	1233.0	1234.6	1240.9	1247.3	1240.9	1234.6	1233.0	1211.5	1183.0	1168.6	1161.2
165°	1214.8	1216.5	1223.2	1229.8	1223.2	1216.5	1214.8	1199.4	1178.9	1168.6	1165.3
167.5°	1206.7	1207.4	1210.3	1213.1	1210.3	1207.4	1206.7	1196.7	1183.2	1176.6	1173.7
170°	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1196.7	1183.2	1176.6	1176.4
172.5°	1200.4	1199.9	1197.4	1194.9	1197.4	1199.9	1200.4	1192.5	1181.9	1176.6	1176.6
175°	1191.6	1191.6	1191.6	1191.6	1191.6	1191.6	1191.6	1186.6	1179.9	1176.6	1178.2
177.5°	1190.1	1189.5	1186.6	1183.7	1186.6	1189.5	1190.1	1186.1	1180.9	1178.2	1179.4
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



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CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1337.3	1343.7	1347.6	1352.7	1365.5
5°	1286.1	1310.5	1318.1	1337.3	1360.4
7.5°	1173.3	1247.6	1268.1	1314.3	1350.1
10°	1064.4	1138.7	1174.6	1283.5	1337.3
12.5°	1009.3	1053.0	1077.2	1229.8	1319.3
15°	974.8	1005.5	1023.5	1157.9	1298.9
17.5°	947.9	969.7	982.5	1087.6	1270.7
20°	931.2	941.5	953.0	1036.3	1238.6
22.5°	919.8	913.4	922.2	1000.5	1195.1
25°	912.0	887.7	898.0	972.3	1143.9
27.5°	918.4	864.7	868.5	946.6	1090.1
30°	919.8	836.5	837.7	919.8	1029.9
32.5°	910.8	807.0	808.3	886.4	962.0
35°	889.0	772.4	771.2	847.9	869.7
37.5°	859.5	735.3	735.3	805.7	768.6
40°	823.7	698.1	701.9	750.6	678.9
42.5°	780.1	658.4	663.5	677.7	612.3
45°	732.7	620.0	623.8	572.6	561.1
47.5°	680.2	580.3	581.6	475.2	544.4
50°	617.4	539.3	534.1	407.3	543.1
52.5°	562.3	494.4	479.0	368.9	493.2
55°	508.5	447.0	413.7	339.4	457.3
57.5°	461.2	385.5	353.5	304.8	449.6
60°	417.6	325.4	301.0	267.7	412.5
62.5°	381.7	280.5	275.4	242.1	374.1
65°	343.3	249.8	248.5	220.3	317.6
67.5°	306.2	229.3	228.1	199.8	242.1
70°	266.4	207.5	204.9	178.0	179.3
72.5°	225.5	183.2	180.6	160.2	148.6
75°	184.4	155.0	153.8	139.6	120.4
77.5°	144.8	123.0	125.5	112.7	88.4
80°	103.7	89.7	92.3	80.7	66.6
82.5°	69.1	58.9	61.5	51.3	44.8
85°	38.4	33.3	34.6	26.9	20.5
87.5°	18.0	15.4	15.4	10.2	6.4
90°	35.0	22.3	20.6	14.3	7.9
92.5°	215.5	153.4	139.9	85.9	31.8
95°	530.4	298.7	274.0	175.1	76.3
97.5°	714.5	328.1	306.4	219.1	131.9
100°	781.5	352.8	333.0	253.8	174.8
102.5°	812.1	377.3	358.9	285.1	211.3
105°	835.0	413.9	398.2	335.8	273.3
107.5°	839.3	468.0	453.3	395.1	336.8
110°	832.9	498.1	484.9	432.3	379.7



TEST NUMBER: P935095

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	833.1	534.7	522.2	472.0	421.8
115°	840.8	589.5	578.0	531.6	485.4
117.5°	856.4	642.7	632.2	590.2	548.2
120°	869.1	673.7	663.8	624.3	584.7
122.5°	887.4	710.2	700.3	660.4	620.5
125°	912.0	757.1	748.1	711.7	675.3
127.5°	936.7	802.4	793.2	756.5	719.8
130°	954.6	832.6	822.6	783.1	743.6
132.5°	969.2	857.2	847.3	807.7	768.2
135°	985.2	885.9	876.9	840.8	804.8
137.5°	1009.0	922.3	913.5	877.7	842.1
140°	1023.5	947.0	938.8	905.9	873.1
142.5°	1035.7	965.2	957.7	927.3	896.9
145°	1051.6	993.1	986.5	960.0	933.5
147.5°	1074.9	1028.1	1021.6	995.8	970.0
150°	1087.1	1046.3	1040.5	1017.2	993.9
152.5°	1095.0	1058.2	1053.8	1036.2	1018.5
155°	1112.5	1084.4	1081.2	1068.1	1055.0
157.5°	1130.0	1110.7	1107.5	1094.7	1082.0
160°	1138.0	1122.6	1120.1	1110.3	1100.4
162.5°	1146.4	1135.3	1133.5	1126.0	1118.6
165°	1158.6	1153.5	1151.8	1145.1	1138.5
167.5°	1168.1	1163.9	1163.1	1159.8	1156.7
170°	1176.1	1175.8	1175.0	1171.8	1168.6
172.5°	1176.6	1176.6	1176.4	1175.7	1175.0
175°	1181.3	1183.7	1183.7	1183.7	1183.7
177.5°	1181.9	1183.7	1183.7	1183.7	1183.7
180°	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935095
 CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-4000K

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	9.17	9.88	10.27	10.98	12.50	12.01	12.72	13.11	13.82	15.33
	3H	9.63	10.27	10.74	11.38	12.91	13.34	13.98	14.45	15.09	16.62
	4H	9.82	10.43	10.94	11.53	13.07	13.78	14.39	14.90	15.50	17.03
	6H	9.93	10.49	11.06	11.60	13.15	14.06	14.62	15.19	15.73	17.28
	8H	9.93	10.46	11.06	11.58	13.13	14.13	14.66	15.26	15.79	17.33
	12H	9.89	10.40	11.03	11.52	13.08	14.17	14.67	15.30	15.79	17.36
4H	2H	10.18	10.79	11.31	11.90	13.44	12.40	13.00	13.52	14.11	15.65
	3H	11.20	11.70	12.33	12.84	14.39	13.89	14.40	15.02	15.53	17.08
	4H	11.47	11.93	12.60	13.06	14.63	14.41	14.88	15.55	16.00	17.57
	6H	11.58	11.98	12.73	13.13	14.69	14.77	15.17	15.92	16.32	17.88
	8H	11.59	11.96	12.73	13.10	14.67	14.88	15.25	16.02	16.39	17.96
	12H	11.55	11.88	12.71	13.03	14.62	14.93	15.27	16.09	16.42	18.00
8H	4H	11.91	12.28	13.05	13.42	15.00	14.53	14.90	15.67	16.04	17.61
	6H	12.17	12.47	13.33	13.65	15.23	14.96	15.27	16.12	16.45	18.02
	8H	12.21	12.48	13.38	13.63	15.23	15.11	15.38	16.28	16.54	18.13
	12H	12.18	12.42	13.36	13.58	15.20	15.20	15.44	16.38	16.60	18.22
12H	4H	11.91	12.25	13.07	13.40	14.98	14.48	14.82	15.64	15.97	17.55
	6H	12.23	12.49	13.40	13.65	15.25	14.95	15.22	16.12	16.38	17.98
	8H	12.29	12.52	13.46	13.68	15.31	15.11	15.35	16.28	16.50	18.13