

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: P935093

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935093
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-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

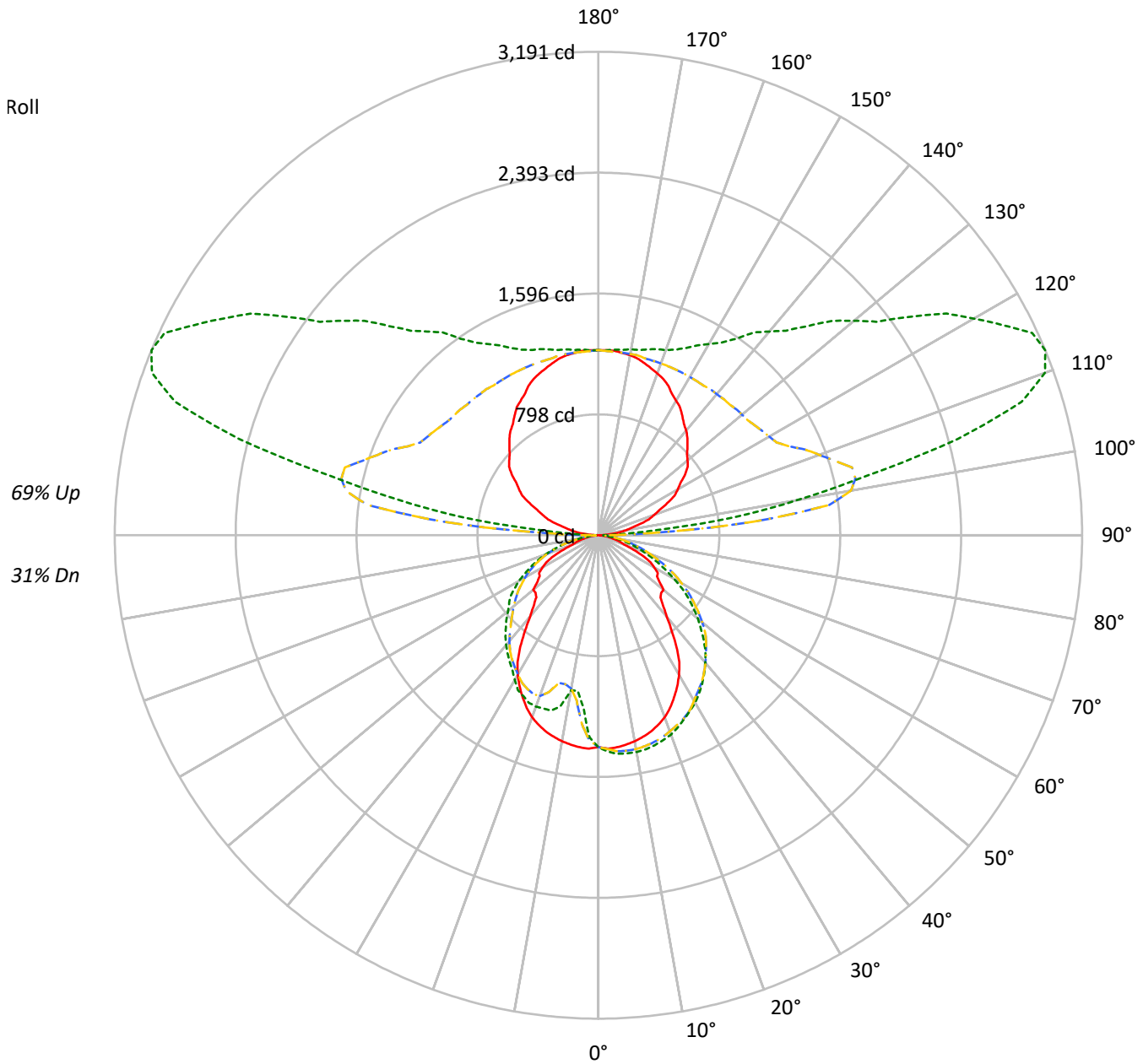
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11552.0 lumens
Efficiency: N/A
Efficacy: 140.2 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

TEST NUMBER: P935093
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	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°	6486	6486	6486	6486
5°	6535	6547	6535	5148
10°	6490	6449	6490	4611
15°	6420	6309	6420	5269
20°	6285	6144	6285	5280
25°	6011	5903	6011	5168
30°	5656	5702	5656	4922
35°	5042	5448	5042	4652
40°	4201	5150	4201	4448
45°	3754	4800	3754	4214
50°	3988	4384	3988	3978
55°	3752	3935	3752	3842
60°	3868	3342	3868	3519
65°	3506	2763	3506	3089
70°	2429	2202	2429	2589
75°	2129	1628	2129	1949
80°	1714	1076	1714	1172
85°	987	570	987	485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5753 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	1.1
10°-20°	358.3	3.1
20°-30°	553.8	4.8
30°-40°	661.2	5.7
40°-50°	665.0	5.8
50°-60°	578.7	5.0
60°-70°	410.3	3.6
70°-80°	217.1	1.9
80°-90°	58.7	0.5
90°-100°	595.8	5.2
100°-110°	1566.2	13.6
110°-120°	1624.0	14.1
120°-130°	1302.7	11.3
130°-140°	1022.1	8.8
140°-150°	784.5	6.8
150°-160°	565.0	4.9
160°-170°	345.7	3.0
170°-180°	116.8	1.0
0°-30°	1038.3	9.0
0°-40°	1699.5	14.7
0°-60°	2943.1	25.5
0°-90°	3629.2	31.4
90°-120°	3786.0	32.8
90°-150°	6895.3	59.7
90°-180°	7923.0	68.6
0°-180°	11552.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1398	1398	1398	1398	1398	
5°	1405	1448	1405	1139	1405	133
15°	1341	1435	1341	1198	1341	377
25°	1181	1338	1181	1172	1181	542
35°	898	1194	898	1020	898	556
45°	579	984	579	864	579	464
55°	472	726	472	709	472	434
65°	328	438	328	489	328	313
75°	124	208	124	249	124	131
85°	21	53	21	45	21	29
90°	8	31	8	31	8	8
95°	79	360	79	360	79	87
105°	282	2452	282	2452	282	299
115°	501	3158	501	3158	501	495
125°	697	2515	697	2515	697	619
135°	831	1951	831	1951	831	643
145°	964	1583	964	1583	964	604
155°	1089	1363	1089	1363	1089	500
165°	1175	1270	1175	1270	1175	332
175°	1222	1230	1222	1230	1222	116
180°	1222	1222	1222	1222	1222	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1409.8	1409.8	1417.8	1420.4	1420.4	1416.4	1412.4	1416.4	1428.3	1432.3	1431.0
5°	1404.6	1415.1	1429.7	1432.3	1434.9	1433.6	1431.0	1433.6	1446.9	1449.5	1450.8
7.5°	1393.9	1413.8	1432.3	1436.3	1440.3	1436.3	1434.9	1437.6	1450.8	1453.5	1453.5
10°	1380.7	1408.5	1429.7	1432.3	1436.3	1432.3	1432.3	1437.6	1450.8	1453.5	1454.7
12.5°	1362.2	1400.5	1420.4	1423.0	1428.3	1427.0	1425.7	1431.0	1444.2	1446.9	1446.9
15°	1341.1	1386.0	1404.6	1407.1	1416.4	1413.8	1413.8	1419.1	1433.6	1437.6	1436.3
17.5°	1312.0	1367.5	1388.7	1392.6	1399.2	1398.0	1399.2	1404.6	1417.8	1420.4	1421.7
20°	1278.8	1342.3	1367.5	1371.4	1378.0	1378.0	1378.0	1384.6	1398.0	1403.2	1403.2
22.5°	1233.9	1315.9	1342.3	1345.0	1353.0	1353.0	1355.6	1364.8	1376.8	1378.0	1378.0
25°	1181.0	1286.8	1309.3	1317.2	1325.2	1329.1	1333.1	1338.4	1342.3	1341.1	1342.3
27.5°	1125.5	1249.8	1278.8	1284.2	1294.7	1298.8	1304.0	1305.4	1306.6	1310.6	1308.0
30°	1063.3	1198.2	1241.9	1247.2	1264.3	1267.0	1261.7	1264.3	1271.0	1273.6	1276.3
32.5°	993.2	1121.5	1203.5	1215.4	1231.3	1223.3	1222.0	1226.0	1236.5	1236.5	1239.2
35°	898.0	1062.0	1167.8	1178.4	1190.3	1181.0	1186.4	1187.6	1194.2	1198.2	1196.9
37.5°	793.5	1010.5	1130.7	1138.7	1148.0	1136.1	1144.0	1148.0	1153.2	1150.6	1150.6
40°	700.9	929.7	1087.2	1092.4	1100.4	1091.1	1099.0	1101.7	1104.3	1101.7	1100.4
42.5°	632.1	841.2	1040.8	1047.4	1042.1	1048.8	1051.4	1056.7	1052.8	1047.4	1047.4
45°	579.3	817.3	990.5	998.5	990.5	1001.2	1005.1	1005.1	993.2	990.5	989.3
47.5°	562.1	769.7	940.3	940.3	936.3	949.6	956.2	947.0	935.0	931.1	931.1
50°	560.7	716.8	871.5	866.3	884.7	900.6	894.0	884.7	875.5	861.0	861.0
52.5°	509.2	652.0	783.0	802.8	831.9	841.2	830.5	821.3	805.5	798.8	793.5
55°	472.1	584.6	702.2	742.0	772.3	784.3	764.4	755.2	731.3	727.4	724.7
57.5°	464.2	486.7	628.2	678.5	715.4	714.2	702.2	685.1	665.3	661.3	659.9
60°	425.9	351.8	548.8	608.4	646.7	642.8	632.1	616.2	597.8	595.1	592.5
62.5°	386.2	255.3	458.9	526.3	580.6	579.3	570.0	546.2	532.9	526.3	521.1
65°	327.9	214.3	326.7	437.8	515.8	518.4	498.6	481.4	466.9	458.9	457.6
67.5°	250.0	174.6	220.9	365.0	453.7	451.0	425.9	418.0	399.4	395.5	387.5
70°	185.2	116.3	153.4	296.3	392.8	386.2	366.3	357.1	339.9	330.6	325.4
72.5°	153.4	93.9	112.4	230.1	330.6	322.7	305.5	294.9	280.4	272.4	267.1
75°	124.3	99.2	86.0	170.6	268.5	263.2	247.3	236.7	224.8	214.3	215.5
77.5°	91.3	92.6	68.7	125.6	213.0	205.0	195.7	182.5	177.2	166.6	166.6
80°	68.7	72.8	51.6	86.0	153.4	153.4	145.4	136.3	127.0	121.7	121.7
82.5°	46.2	46.2	38.4	54.2	104.5	100.5	95.2	92.6	87.3	84.6	84.6
85°	21.2	26.4	23.8	33.0	56.9	59.6	59.6	56.9	55.5	52.9	54.2
87.5°	6.6	11.9	14.6	18.5	29.1	30.5	31.7	31.7	31.7	33.0	33.0
90°	8.2	14.8	21.3	23.0	36.1	53.5	62.3	55.4	41.5	31.2	31.2
92.5°	32.8	88.6	144.4	158.4	222.5	308.2	351.0	307.6	221.0	155.9	149.7
95°	78.8	180.8	282.9	308.4	547.6	866.6	1026.1	915.7	694.7	529.1	510.4
97.5°	136.2	226.2	316.3	338.8	737.7	1269.6	1535.5	1465.7	1326.1	1221.4	1185.7
100°	180.4	262.1	343.8	364.2	806.8	1397.1	1692.2	1697.3	1707.5	1715.1	1672.6
102.5°	218.2	294.3	370.5	389.6	838.5	1437.1	1736.4	1825.4	2003.4	2136.8	2100.3
105°	282.2	346.7	411.2	427.3	862.1	1441.7	1731.5	1930.9	2329.7	2628.9	2609.3
107.5°	347.8	407.9	468.1	483.1	866.5	1377.5	1633.1	1911.3	2467.6	2884.7	2889.5
110°	392.0	446.4	500.7	514.3	859.9	1320.6	1551.1	1862.1	2483.9	2950.4	2970.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	435.5	487.3	539.1	552.1	860.2	1271.1	1476.4	1794.7	2431.2	2908.6	2940.0
115°	501.2	548.9	596.7	608.7	868.1	1214.1	1387.0	1693.7	2306.8	2766.7	2810.2
117.5°	566.0	609.3	652.7	663.6	884.2	1178.4	1325.5	1602.2	2155.6	2570.6	2618.8
120°	603.7	644.5	685.4	695.5	897.4	1166.4	1300.9	1553.7	2059.4	2438.6	2485.4
122.5°	640.6	681.8	723.0	733.3	916.2	1160.0	1282.0	1509.7	1965.0	2306.5	2352.8
125°	697.2	734.8	772.3	781.7	941.6	1154.9	1261.5	1454.9	1841.7	2131.8	2174.4
127.5°	743.1	781.0	819.0	828.4	967.1	1151.9	1244.3	1410.4	1742.5	1991.5	2027.4
130°	767.7	808.5	849.3	859.6	985.6	1153.7	1237.7	1385.5	1681.2	1903.0	1936.1
132.5°	793.1	834.0	874.8	885.0	1000.7	1154.9	1232.0	1364.3	1629.0	1827.5	1857.1
135°	830.9	868.1	905.3	914.6	1017.2	1153.8	1222.1	1333.0	1554.6	1720.9	1746.5
137.5°	869.5	906.2	943.1	952.3	1041.7	1160.9	1220.5	1314.1	1501.6	1642.1	1663.1
140°	901.4	935.3	969.2	977.7	1056.7	1162.1	1214.8	1295.7	1457.6	1579.0	1598.6
142.5°	926.1	957.4	988.8	996.6	1069.3	1166.2	1214.8	1285.8	1428.0	1534.7	1551.6
145°	963.8	991.1	1018.5	1025.3	1085.8	1166.3	1206.6	1264.7	1381.0	1468.3	1481.0
147.5°	1001.5	1028.1	1054.7	1061.4	1109.8	1174.3	1206.6	1252.3	1343.8	1412.4	1423.0
150°	1026.1	1050.2	1074.2	1080.3	1122.4	1178.5	1206.6	1245.2	1322.5	1380.5	1389.1
152.5°	1051.6	1069.8	1088.1	1092.6	1130.5	1181.2	1206.6	1239.6	1305.6	1355.1	1361.6
155°	1089.2	1102.7	1116.3	1119.6	1148.6	1187.2	1206.6	1232.8	1285.3	1324.7	1328.9
157.5°	1117.1	1130.3	1143.5	1146.7	1166.6	1193.3	1206.6	1227.0	1267.8	1298.5	1301.4
160°	1136.1	1146.3	1156.5	1159.0	1174.9	1196.0	1206.6	1224.1	1259.1	1285.3	1287.1
162.5°	1154.9	1162.6	1170.3	1172.2	1183.6	1198.9	1206.6	1221.4	1250.8	1273.0	1274.7
165°	1175.4	1182.3	1189.2	1191.0	1196.2	1203.1	1206.6	1217.1	1238.3	1254.2	1256.0
167.5°	1194.2	1197.5	1200.8	1201.6	1206.0	1211.8	1214.8	1221.7	1235.6	1245.9	1246.6
170°	1206.6	1209.8	1213.2	1214.0	1214.3	1214.6	1214.8	1221.7	1235.6	1245.9	1245.9
172.5°	1213.2	1213.9	1214.6	1214.8	1214.8	1214.8	1214.8	1220.3	1231.2	1239.4	1238.8
175°	1222.1	1222.1	1222.1	1222.1	1219.7	1216.4	1214.8	1218.2	1225.1	1230.3	1230.3
177.5°	1222.1	1222.1	1222.1	1222.1	1220.3	1217.7	1216.4	1219.2	1224.6	1228.8	1228.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1433.6	1429.7	1433.6	1431.0	1432.3	1428.3	1416.4	1412.4	1416.4	1420.4	1420.4
5°	1450.8	1448.1	1450.8	1450.8	1449.5	1446.9	1433.6	1431.0	1433.6	1434.9	1432.3
7.5°	1456.1	1452.2	1456.1	1453.5	1453.5	1450.8	1437.6	1434.9	1436.3	1440.3	1436.3
10°	1456.1	1452.2	1456.1	1454.7	1453.5	1450.8	1437.6	1432.3	1432.3	1436.3	1432.3
12.5°	1449.5	1446.9	1449.5	1446.9	1446.9	1444.2	1431.0	1425.7	1427.0	1428.3	1423.0
15°	1438.9	1434.9	1438.9	1436.3	1437.6	1433.6	1419.1	1413.8	1413.8	1416.4	1407.1
17.5°	1423.0	1417.8	1423.0	1421.7	1420.4	1417.8	1404.6	1399.2	1398.0	1399.2	1392.6
20°	1404.6	1400.5	1404.6	1403.2	1403.2	1398.0	1384.6	1378.0	1378.0	1378.0	1371.4
22.5°	1375.5	1371.4	1375.5	1378.0	1378.0	1376.8	1364.8	1355.6	1353.0	1353.0	1345.0
25°	1342.3	1338.4	1342.3	1342.3	1341.1	1342.3	1338.4	1333.1	1329.1	1325.2	1317.2
27.5°	1310.6	1308.0	1310.6	1308.0	1310.6	1306.6	1305.4	1304.0	1298.8	1294.7	1284.2
30°	1278.8	1276.3	1278.8	1276.3	1273.6	1271.0	1264.3	1261.7	1267.0	1264.3	1247.2
32.5°	1239.2	1236.5	1239.2	1239.2	1236.5	1236.5	1226.0	1222.0	1223.3	1231.3	1215.4
35°	1198.2	1194.2	1198.2	1196.9	1198.2	1194.2	1187.6	1186.4	1181.0	1190.3	1178.4
37.5°	1150.6	1146.6	1150.6	1150.6	1150.6	1153.2	1148.0	1144.0	1136.1	1148.0	1138.7
40°	1101.7	1096.3	1101.7	1100.4	1101.7	1104.3	1101.7	1099.0	1091.1	1100.4	1092.4
42.5°	1046.1	1044.8	1046.1	1047.4	1047.4	1052.8	1056.7	1051.4	1048.8	1042.1	1047.4
45°	986.6	983.9	986.6	989.3	990.5	993.2	1005.1	1005.1	1001.2	990.5	998.5
47.5°	923.1	916.5	923.1	931.1	931.1	935.0	947.0	956.2	949.6	936.3	940.3
50°	855.7	857.0	855.7	861.0	861.0	875.5	884.7	894.0	900.6	884.7	866.3
52.5°	789.6	788.2	789.6	793.5	798.8	805.5	821.3	830.5	841.2	831.9	802.8
55°	723.4	726.1	723.4	724.7	727.4	731.3	755.2	764.4	784.3	772.3	742.0
57.5°	657.3	653.3	657.3	659.9	661.3	665.3	685.1	702.2	714.2	715.4	678.5
60°	580.6	575.3	580.6	592.5	595.1	597.8	616.2	632.1	642.8	646.7	608.4
62.5°	513.1	503.8	513.1	521.1	526.3	532.9	546.2	570.0	579.3	580.6	526.3
65°	441.7	437.8	441.7	457.6	458.9	466.9	481.4	498.6	518.4	515.8	437.8
67.5°	376.9	376.9	376.9	387.5	395.5	399.4	418.0	425.9	451.0	453.7	365.0
70°	317.4	316.1	317.4	325.4	330.6	339.9	357.1	366.3	386.2	392.8	296.3
72.5°	260.5	259.2	260.5	267.1	272.4	280.4	294.9	305.5	322.7	330.6	230.1
75°	210.3	207.7	210.3	215.5	214.3	224.8	236.7	247.3	263.2	268.5	170.6
77.5°	161.3	161.3	161.3	166.6	166.6	177.2	182.5	195.7	205.0	213.0	125.6
80°	120.4	119.0	120.4	121.7	121.7	127.0	136.3	145.4	153.4	153.4	86.0
82.5°	84.6	82.0	84.6	84.6	84.6	87.3	92.6	95.2	100.5	104.5	54.2
85°	52.9	52.9	52.9	54.2	52.9	55.5	56.9	59.6	59.6	56.9	33.0
87.5°	34.4	33.0	34.4	33.0	33.0	31.7	31.7	31.7	30.5	29.1	18.5
90°	31.2	31.2	31.2	31.2	31.2	41.5	55.4	62.3	53.5	36.1	23.0
92.5°	124.9	100.1	124.9	149.7	155.9	221.0	307.6	351.0	308.2	222.5	158.4
95°	435.2	360.1	435.2	510.4	529.1	694.7	915.7	1026.1	866.6	547.6	308.4
97.5°	1042.7	899.8	1042.7	1185.7	1221.4	1326.1	1465.7	1535.5	1269.6	737.7	338.8
100°	1502.4	1332.1	1502.4	1672.6	1715.1	1707.5	1697.3	1692.2	1397.1	806.8	364.2
102.5°	1954.4	1808.6	1954.4	2100.3	2136.8	2003.4	1825.4	1736.4	1437.1	838.5	389.6
105°	2530.9	2452.5	2530.9	2609.3	2628.9	2329.7	1930.9	1731.5	1441.7	862.1	427.3
107.5°	2908.5	2927.4	2908.5	2889.5	2884.7	2467.6	1911.3	1633.1	1377.5	866.5	483.1
110°	3052.5	3134.1	3052.5	2970.8	2950.4	2483.9	1862.1	1551.1	1320.6	859.9	514.3



TEST NUMBER: P935093

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3065.3	3190.7	3065.3	2940.0	2908.6	2431.2	1794.7	1476.4	1271.1	860.2	552.1
115°	2984.0	3158.0	2984.0	2810.2	2766.7	2306.8	1693.7	1387.0	1214.1	868.1	608.7
117.5°	2811.7	3004.5	2811.7	2618.8	2570.6	2155.6	1602.2	1325.5	1178.4	884.2	663.6
120°	2672.8	2860.2	2672.8	2485.4	2438.6	2059.4	1553.7	1300.9	1166.4	897.4	695.5
122.5°	2537.6	2722.3	2537.6	2352.8	2306.5	1965.0	1509.7	1282.0	1160.0	916.2	733.3
125°	2344.6	2514.9	2344.6	2174.4	2131.8	1841.7	1454.9	1261.5	1154.9	941.6	781.7
127.5°	2171.1	2314.7	2171.1	2027.4	1991.5	1742.5	1410.4	1244.3	1151.9	967.1	828.4
130°	2068.8	2201.5	2068.8	1936.1	1903.0	1681.2	1385.5	1237.7	1153.7	985.6	859.6
132.5°	1976.0	2094.9	1976.0	1857.1	1827.5	1629.0	1364.3	1232.0	1154.9	1000.7	885.0
135°	1848.9	1951.4	1848.9	1746.5	1720.9	1554.6	1333.0	1222.1	1153.8	1017.2	914.6
137.5°	1746.9	1830.8	1746.9	1663.1	1642.1	1501.6	1314.1	1220.5	1160.9	1041.7	952.3
140°	1676.9	1755.3	1676.9	1598.6	1579.0	1457.6	1295.7	1214.8	1162.1	1056.7	977.7
142.5°	1619.0	1686.5	1619.0	1551.6	1534.7	1428.0	1285.8	1214.8	1166.2	1069.3	996.6
145°	1532.0	1583.0	1532.0	1481.0	1468.3	1381.0	1264.7	1206.6	1166.3	1085.8	1025.3
147.5°	1465.3	1507.6	1465.3	1423.0	1412.4	1343.8	1252.3	1206.6	1174.3	1109.8	1061.4
150°	1423.3	1457.6	1423.3	1389.1	1380.5	1322.5	1245.2	1206.6	1178.5	1122.4	1080.3
152.5°	1387.4	1413.2	1387.4	1361.6	1355.1	1305.6	1239.6	1206.6	1181.2	1130.5	1092.6
155°	1346.1	1363.2	1346.1	1328.9	1324.7	1285.3	1232.8	1206.6	1187.2	1148.6	1119.6
157.5°	1313.5	1325.5	1313.5	1301.4	1298.5	1267.8	1227.0	1206.6	1193.3	1166.6	1146.7
160°	1294.0	1300.9	1294.0	1287.1	1285.3	1259.1	1224.1	1206.6	1196.0	1174.9	1159.0
162.5°	1281.2	1287.8	1281.2	1274.7	1273.0	1250.8	1221.4	1206.6	1198.9	1183.6	1172.2
165°	1262.9	1269.8	1262.9	1256.0	1254.2	1238.3	1217.1	1206.6	1203.1	1196.2	1191.0
167.5°	1249.6	1252.5	1249.6	1246.6	1245.9	1235.6	1221.7	1214.8	1211.8	1206.0	1201.6
170°	1245.9	1245.9	1245.9	1245.9	1245.9	1235.6	1221.7	1214.8	1214.6	1214.3	1214.0
172.5°	1236.2	1233.7	1236.2	1238.8	1239.4	1231.2	1220.3	1214.8	1214.8	1214.8	1214.8
175°	1230.3	1230.3	1230.3	1230.3	1230.3	1225.1	1218.2	1214.8	1216.4	1219.7	1222.1
177.5°	1225.1	1222.1	1225.1	1228.1	1228.8	1224.6	1219.2	1216.4	1217.7	1220.3	1222.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1417.8	1409.8	1409.8	1396.6	1391.3	1387.3	1380.7	1360.9	1355.6	1350.3	1358.2
5°	1429.7	1415.1	1404.6	1380.7	1360.9	1353.0	1327.8	1280.2	1248.5	1224.6	1211.4
7.5°	1432.3	1413.8	1393.9	1356.9	1309.3	1288.1	1211.4	1124.1	1100.4	1079.2	1066.0
10°	1429.7	1408.5	1380.7	1325.2	1212.8	1175.7	1099.0	1042.1	1027.6	1023.7	1027.6
12.5°	1420.4	1400.5	1362.2	1269.7	1112.2	1087.2	1042.1	1009.1	1006.4	1013.0	1048.8
15°	1404.6	1386.0	1341.1	1195.5	1056.7	1038.2	1006.4	994.6	1009.1	1055.4	1162.5
17.5°	1388.7	1367.5	1312.0	1122.9	1014.4	1001.2	978.7	1002.5	1084.5	1146.6	1182.3
20°	1367.5	1342.3	1278.8	1069.9	983.9	972.1	961.4	1068.6	1130.7	1153.2	1173.0
22.5°	1342.3	1315.9	1233.9	1032.9	952.2	943.0	949.6	1105.6	1130.7	1146.6	1163.8
25°	1309.3	1286.8	1181.0	1003.8	927.1	916.5	941.6	1101.7	1116.3	1120.2	1154.6
27.5°	1278.8	1249.8	1125.5	977.3	896.7	892.7	948.2	1084.5	1095.1	1099.0	1136.1
30°	1241.9	1198.2	1063.3	949.6	864.9	863.6	949.6	1063.3	1060.6	1071.3	1108.3
32.5°	1203.5	1121.5	993.2	915.2	834.6	833.2	940.3	1031.6	1028.9	1043.5	1071.3
35°	1167.8	1062.0	898.0	875.5	796.2	797.5	917.9	994.6	995.9	1009.1	1026.3
37.5°	1130.7	1010.5	793.5	831.9	759.1	759.1	887.4	960.2	957.5	961.4	985.3
40°	1087.2	929.7	700.9	775.0	724.7	720.8	850.4	923.1	913.8	912.5	945.6
42.5°	1040.8	841.2	632.1	699.7	685.1	679.7	805.5	878.1	861.0	864.9	907.2
45°	990.5	817.3	579.3	591.2	644.1	640.1	756.5	826.6	814.6	825.3	868.9
47.5°	940.3	769.7	562.1	490.6	600.5	599.1	702.2	776.3	769.7	780.3	826.6
50°	871.5	716.8	560.7	420.5	551.5	556.8	637.4	727.4	727.4	736.6	785.5
52.5°	783.0	652.0	509.2	380.9	494.6	510.5	580.6	685.1	687.7	697.0	740.6
55°	702.2	584.6	472.1	350.4	427.1	461.5	525.0	641.4	646.7	656.0	695.6
57.5°	628.2	486.7	464.2	314.7	365.0	398.0	476.1	599.1	601.8	609.6	648.0
60°	548.8	351.8	425.9	276.4	310.8	335.9	431.2	548.8	558.1	563.4	596.4
62.5°	458.9	255.3	386.2	250.0	284.4	289.6	394.1	501.3	513.1	517.2	537.0
65°	326.7	214.3	327.9	227.5	256.6	257.9	354.5	452.3	462.9	469.5	484.0
67.5°	220.9	174.6	250.0	206.3	235.5	236.7	316.1	395.5	410.0	415.3	424.6
70°	153.4	116.3	185.2	183.8	211.6	214.3	275.1	343.8	357.1	361.1	366.3
72.5°	112.4	93.9	153.4	165.4	186.5	189.1	232.8	285.6	298.9	302.9	305.5
75°	86.0	99.2	124.3	144.2	158.7	160.0	190.4	232.8	242.1	244.6	246.0
77.5°	68.7	92.6	91.3	116.3	129.6	127.0	149.5	179.8	187.8	187.8	187.8
80°	51.6	72.8	68.7	83.3	95.2	92.6	107.1	128.3	130.9	133.6	132.2
82.5°	38.4	46.2	46.2	52.9	63.5	60.8	71.4	83.3	83.3	83.3	86.0
85°	23.8	26.4	21.2	27.8	35.7	34.4	39.6	45.0	46.2	46.2	43.7
87.5°	14.6	11.9	6.6	10.6	15.9	15.9	18.5	19.8	18.5	18.5	18.5
90°	21.3	14.8	8.2	14.8	21.3	23.0	36.1	53.5	62.3	55.4	41.5
92.5°	144.4	88.6	32.8	88.6	144.4	158.4	222.5	308.2	351.0	307.6	221.0
95°	282.9	180.8	78.8	180.8	282.9	308.4	547.6	866.6	1026.1	915.7	694.7
97.5°	316.3	226.2	136.2	226.2	316.3	338.8	737.7	1269.6	1535.5	1465.7	1326.1
100°	343.8	262.1	180.4	262.1	343.8	364.2	806.8	1397.1	1692.2	1697.3	1707.5
102.5°	370.5	294.3	218.2	294.3	370.5	389.6	838.5	1437.1	1736.4	1825.4	2003.4
105°	411.2	346.7	282.2	346.7	411.2	427.3	862.1	1441.7	1731.5	1930.9	2329.7
107.5°	468.1	407.9	347.8	407.9	468.1	483.1	866.5	1377.5	1633.1	1911.3	2467.6
110°	500.7	446.4	392.0	446.4	500.7	514.3	859.9	1320.6	1551.1	1862.1	2483.9



TEST NUMBER: P935093

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	539.1	487.3	435.5	487.3	539.1	552.1	860.2	1271.1	1476.4	1794.7	2431.2
115°	596.7	548.9	501.2	548.9	596.7	608.7	868.1	1214.1	1387.0	1693.7	2306.8
117.5°	652.7	609.3	566.0	609.3	652.7	663.6	884.2	1178.4	1325.5	1602.2	2155.6
120°	685.4	644.5	603.7	644.5	685.4	695.5	897.4	1166.4	1300.9	1553.7	2059.4
122.5°	723.0	681.8	640.6	681.8	723.0	733.3	916.2	1160.0	1282.0	1509.7	1965.0
125°	772.3	734.8	697.2	734.8	772.3	781.7	941.6	1154.9	1261.5	1454.9	1841.7
127.5°	819.0	781.0	743.1	781.0	819.0	828.4	967.1	1151.9	1244.3	1410.4	1742.5
130°	849.3	808.5	767.7	808.5	849.3	859.6	985.6	1153.7	1237.7	1385.5	1681.2
132.5°	874.8	834.0	793.1	834.0	874.8	885.0	1000.7	1154.9	1232.0	1364.3	1629.0
135°	905.3	868.1	830.9	868.1	905.3	914.6	1017.2	1153.8	1222.1	1333.0	1554.6
137.5°	943.1	906.2	869.5	906.2	943.1	952.3	1041.7	1160.9	1220.5	1314.1	1501.6
140°	969.2	935.3	901.4	935.3	969.2	977.7	1056.7	1162.1	1214.8	1295.7	1457.6
142.5°	988.8	957.4	926.1	957.4	988.8	996.6	1069.3	1166.2	1214.8	1285.8	1428.0
145°	1018.5	991.1	963.8	991.1	1018.5	1025.3	1085.8	1166.3	1206.6	1264.7	1381.0
147.5°	1054.7	1028.1	1001.5	1028.1	1054.7	1061.4	1109.8	1174.3	1206.6	1252.3	1343.8
150°	1074.2	1050.2	1026.1	1050.2	1074.2	1080.3	1122.4	1178.5	1206.6	1245.2	1322.5
152.5°	1088.1	1069.8	1051.6	1069.8	1088.1	1092.6	1130.5	1181.2	1206.6	1239.6	1305.6
155°	1116.3	1102.7	1089.2	1102.7	1116.3	1119.6	1148.6	1187.2	1206.6	1232.8	1285.3
157.5°	1143.5	1130.3	1117.1	1130.3	1143.5	1146.7	1166.6	1193.3	1206.6	1227.0	1267.8
160°	1156.5	1146.3	1136.1	1146.3	1156.5	1159.0	1174.9	1196.0	1206.6	1224.1	1259.1
162.5°	1170.3	1162.6	1154.9	1162.6	1170.3	1172.2	1183.6	1198.9	1206.6	1221.4	1250.8
165°	1189.2	1182.3	1175.4	1182.3	1189.2	1191.0	1196.2	1203.1	1206.6	1217.1	1238.3
167.5°	1200.8	1197.5	1194.2	1197.5	1200.8	1201.6	1206.0	1211.8	1214.8	1221.7	1235.6
170°	1213.2	1209.8	1206.6	1209.8	1213.2	1214.0	1214.3	1214.6	1214.8	1221.7	1235.6
172.5°	1214.6	1213.9	1213.2	1213.9	1214.6	1214.8	1214.8	1214.8	1214.8	1220.3	1231.2
175°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1219.7	1216.4	1214.8	1218.2	1225.1
177.5°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1220.3	1217.7	1216.4	1219.2	1224.6
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935093

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1348.9	1345.0	1350.3	1335.7	1350.3	1345.0	1348.9	1358.2	1350.3	1355.6	1360.9
5°	1183.7	1177.1	1155.9	1138.7	1155.9	1177.1	1183.7	1211.4	1224.6	1248.5	1280.2
7.5°	1058.0	1052.8	1047.4	1036.9	1047.4	1052.8	1058.0	1066.0	1079.2	1100.4	1124.1
10°	1030.3	1031.6	1039.5	1038.2	1039.5	1031.6	1030.3	1027.6	1023.7	1027.6	1042.1
12.5°	1101.7	1113.6	1157.2	1154.6	1157.2	1113.6	1101.7	1048.8	1013.0	1006.4	1009.1
15°	1183.7	1187.6	1196.9	1198.2	1196.9	1187.6	1183.7	1162.5	1055.4	1009.1	994.6
17.5°	1191.6	1193.0	1199.6	1199.6	1199.6	1193.0	1191.6	1182.3	1146.6	1084.5	1002.5
20°	1185.0	1187.6	1200.8	1203.5	1200.8	1187.6	1185.0	1173.0	1153.2	1130.7	1068.6
22.5°	1182.3	1187.6	1198.2	1196.9	1198.2	1187.6	1182.3	1163.8	1146.6	1130.7	1105.6
25°	1169.1	1169.1	1170.5	1171.8	1170.5	1169.1	1169.1	1154.6	1120.2	1116.3	1101.7
27.5°	1141.3	1144.0	1151.9	1150.6	1151.9	1144.0	1141.3	1136.1	1099.0	1095.1	1084.5
30°	1116.3	1113.6	1107.0	1101.7	1107.0	1113.6	1116.3	1108.3	1071.3	1060.6	1063.3
32.5°	1073.9	1067.2	1060.6	1056.7	1060.6	1067.2	1073.9	1071.3	1043.5	1028.9	1031.6
35°	1023.7	1024.9	1023.7	1019.6	1023.7	1024.9	1023.7	1026.3	1009.1	995.9	994.6
37.5°	988.0	990.5	989.3	983.9	989.3	990.5	988.0	985.3	961.4	957.5	960.2
40°	950.9	952.2	950.9	947.0	950.9	952.2	950.9	945.6	912.5	913.8	923.1
42.5°	915.2	913.8	909.9	907.2	909.9	913.8	915.2	907.2	864.9	861.0	878.1
45°	874.2	875.5	867.6	863.6	867.6	875.5	874.2	868.9	825.3	814.6	826.6
47.5°	833.2	833.2	826.6	822.6	826.6	833.2	833.2	826.6	780.3	769.7	776.3
50°	789.6	788.2	778.9	777.7	778.9	788.2	789.6	785.5	736.6	727.4	727.4
52.5°	739.3	739.3	740.6	743.2	740.6	739.3	739.3	740.6	697.0	687.7	685.1
55°	695.6	697.0	706.3	708.8	706.3	697.0	695.6	695.6	656.0	646.7	641.4
57.5°	650.7	650.7	657.3	657.3	657.3	650.7	650.7	648.0	609.6	601.8	599.1
60°	599.1	601.8	607.1	605.7	607.1	601.8	599.1	596.4	563.4	558.1	548.8
62.5°	544.9	547.5	548.8	546.2	548.8	547.5	544.9	537.0	517.2	513.1	501.3
65°	488.0	490.6	492.0	489.4	492.0	490.6	488.0	484.0	469.5	462.9	452.3
67.5°	429.8	428.5	427.1	432.5	427.1	428.5	429.8	424.6	415.3	410.0	395.5
70°	370.3	370.3	369.0	371.6	369.0	370.3	370.3	366.3	361.1	357.1	343.8
72.5°	306.8	305.5	310.8	306.8	310.8	305.5	306.8	305.5	302.9	298.9	285.6
75°	244.6	247.3	244.6	248.7	244.6	247.3	244.6	246.0	244.6	242.1	232.8
77.5°	186.5	189.1	186.5	186.5	186.5	189.1	186.5	187.8	187.8	187.8	179.8
80°	132.2	130.9	130.9	129.6	130.9	130.9	132.2	132.2	133.6	130.9	128.3
82.5°	84.6	83.3	83.3	86.0	83.3	83.3	84.6	86.0	83.3	83.3	83.3
85°	46.2	47.6	45.0	45.0	45.0	47.6	46.2	43.7	46.2	46.2	45.0
87.5°	17.2	15.9	15.9	15.9	15.9	15.9	17.2	18.5	18.5	18.5	19.8
90°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	41.5	55.4	62.3	53.5
92.5°	155.9	149.7	124.9	100.1	124.9	149.7	155.9	221.0	307.6	351.0	308.2
95°	529.1	510.4	435.2	360.1	435.2	510.4	529.1	694.7	915.7	1026.1	866.6
97.5°	1221.4	1185.7	1042.7	899.8	1042.7	1185.7	1221.4	1326.1	1465.7	1535.5	1269.6
100°	1715.1	1672.6	1502.4	1332.1	1502.4	1672.6	1715.1	1707.5	1697.3	1692.2	1397.1
102.5°	2136.8	2100.3	1954.4	1808.6	1954.4	2100.3	2136.8	2003.4	1825.4	1736.4	1437.1
105°	2628.9	2609.3	2530.9	2452.5	2530.9	2609.3	2628.9	2329.7	1930.9	1731.5	1441.7
107.5°	2884.7	2889.5	2908.5	2927.4	2908.5	2889.5	2884.7	2467.6	1911.3	1633.1	1377.5
110°	2950.4	2970.8	3052.5	3134.1	3052.5	2970.8	2950.4	2483.9	1862.1	1551.1	1320.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2908.6	2940.0	3065.3	3190.7	3065.3	2940.0	2908.6	2431.2	1794.7	1476.4	1271.1
115°	2766.7	2810.2	2984.0	3158.0	2984.0	2810.2	2766.7	2306.8	1693.7	1387.0	1214.1
117.5°	2570.6	2618.8	2811.7	3004.5	2811.7	2618.8	2570.6	2155.6	1602.2	1325.5	1178.4
120°	2438.6	2485.4	2672.8	2860.2	2672.8	2485.4	2438.6	2059.4	1553.7	1300.9	1166.4
122.5°	2306.5	2352.8	2537.6	2722.3	2537.6	2352.8	2306.5	1965.0	1509.7	1282.0	1160.0
125°	2131.8	2174.4	2344.6	2514.9	2344.6	2174.4	2131.8	1841.7	1454.9	1261.5	1154.9
127.5°	1991.5	2027.4	2171.1	2314.7	2171.1	2027.4	1991.5	1742.5	1410.4	1244.3	1151.9
130°	1903.0	1936.1	2068.8	2201.5	2068.8	1936.1	1903.0	1681.2	1385.5	1237.7	1153.7
132.5°	1827.5	1857.1	1976.0	2094.9	1976.0	1857.1	1827.5	1629.0	1364.3	1232.0	1154.9
135°	1720.9	1746.5	1848.9	1951.4	1848.9	1746.5	1720.9	1554.6	1333.0	1222.1	1153.8
137.5°	1642.1	1663.1	1746.9	1830.8	1746.9	1663.1	1642.1	1501.6	1314.1	1220.5	1160.9
140°	1579.0	1598.6	1676.9	1755.3	1676.9	1598.6	1579.0	1457.6	1295.7	1214.8	1162.1
142.5°	1534.7	1551.6	1619.0	1686.5	1619.0	1551.6	1534.7	1428.0	1285.8	1214.8	1166.2
145°	1468.3	1481.0	1532.0	1583.0	1532.0	1481.0	1468.3	1381.0	1264.7	1206.6	1166.3
147.5°	1412.4	1423.0	1465.3	1507.6	1465.3	1423.0	1412.4	1343.8	1252.3	1206.6	1174.3
150°	1380.5	1389.1	1423.3	1457.6	1423.3	1389.1	1380.5	1322.5	1245.2	1206.6	1178.5
152.5°	1355.1	1361.6	1387.4	1413.2	1387.4	1361.6	1355.1	1305.6	1239.6	1206.6	1181.2
155°	1324.7	1328.9	1346.1	1363.2	1346.1	1328.9	1324.7	1285.3	1232.8	1206.6	1187.2
157.5°	1298.5	1301.4	1313.5	1325.5	1313.5	1301.4	1298.5	1267.8	1227.0	1206.6	1193.3
160°	1285.3	1287.1	1294.0	1300.9	1294.0	1287.1	1285.3	1259.1	1224.1	1206.6	1196.0
162.5°	1273.0	1274.7	1281.2	1287.8	1281.2	1274.7	1273.0	1250.8	1221.4	1206.6	1198.9
165°	1254.2	1256.0	1262.9	1269.8	1262.9	1256.0	1254.2	1238.3	1217.1	1206.6	1203.1
167.5°	1245.9	1246.6	1249.6	1252.5	1249.6	1246.6	1245.9	1235.6	1221.7	1214.8	1211.8
170°	1245.9	1245.9	1245.9	1245.9	1245.9	1245.9	1245.9	1235.6	1221.7	1214.8	1214.6
172.5°	1239.4	1238.8	1236.2	1233.7	1236.2	1238.8	1239.4	1231.2	1220.3	1214.8	1214.8
175°	1230.3	1230.3	1230.3	1230.3	1230.3	1230.3	1230.3	1225.1	1218.2	1214.8	1216.4
177.5°	1228.8	1228.1	1225.1	1222.1	1225.1	1228.1	1228.8	1224.6	1219.2	1216.4	1217.7
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1380.7	1387.3	1391.3	1396.6	1409.8
5°	1327.8	1353.0	1360.9	1380.7	1404.6
7.5°	1211.4	1288.1	1309.3	1356.9	1393.9
10°	1099.0	1175.7	1212.8	1325.2	1380.7
12.5°	1042.1	1087.2	1112.2	1269.7	1362.2
15°	1006.4	1038.2	1056.7	1195.5	1341.1
17.5°	978.7	1001.2	1014.4	1122.9	1312.0
20°	961.4	972.1	983.9	1069.9	1278.8
22.5°	949.6	943.0	952.2	1032.9	1233.9
25°	941.6	916.5	927.1	1003.8	1181.0
27.5°	948.2	892.7	896.7	977.3	1125.5
30°	949.6	863.6	864.9	949.6	1063.3
32.5°	940.3	833.2	834.6	915.2	993.2
35°	917.9	797.5	796.2	875.5	898.0
37.5°	887.4	759.1	759.1	831.9	793.5
40°	850.4	720.8	724.7	775.0	700.9
42.5°	805.5	679.7	685.1	699.7	632.1
45°	756.5	640.1	644.1	591.2	579.3
47.5°	702.2	599.1	600.5	490.6	562.1
50°	637.4	556.8	551.5	420.5	560.7
52.5°	580.6	510.5	494.6	380.9	509.2
55°	525.0	461.5	427.1	350.4	472.1
57.5°	476.1	398.0	365.0	314.7	464.2
60°	431.2	335.9	310.8	276.4	425.9
62.5°	394.1	289.6	284.4	250.0	386.2
65°	354.5	257.9	256.6	227.5	327.9
67.5°	316.1	236.7	235.5	206.3	250.0
70°	275.1	214.3	211.6	183.8	185.2
72.5°	232.8	189.1	186.5	165.4	153.4
75°	190.4	160.0	158.7	144.2	124.3
77.5°	149.5	127.0	129.6	116.3	91.3
80°	107.1	92.6	95.2	83.3	68.7
82.5°	71.4	60.8	63.5	52.9	46.2
85°	39.6	34.4	35.7	27.8	21.2
87.5°	18.5	15.9	15.9	10.6	6.6
90°	36.1	23.0	21.3	14.8	8.2
92.5°	222.5	158.4	144.4	88.6	32.8
95°	547.6	308.4	282.9	180.8	78.8
97.5°	737.7	338.8	316.3	226.2	136.2
100°	806.8	364.2	343.8	262.1	180.4
102.5°	838.5	389.6	370.5	294.3	218.2
105°	862.1	427.3	411.2	346.7	282.2
107.5°	866.5	483.1	468.1	407.9	347.8
110°	859.9	514.3	500.7	446.4	392.0



TEST NUMBER: P935093

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	860.2	552.1	539.1	487.3	435.5
115°	868.1	608.7	596.7	548.9	501.2
117.5°	884.2	663.6	652.7	609.3	566.0
120°	897.4	695.5	685.4	644.5	603.7
122.5°	916.2	733.3	723.0	681.8	640.6
125°	941.6	781.7	772.3	734.8	697.2
127.5°	967.1	828.4	819.0	781.0	743.1
130°	985.6	859.6	849.3	808.5	767.7
132.5°	1000.7	885.0	874.8	834.0	793.1
135°	1017.2	914.6	905.3	868.1	830.9
137.5°	1041.7	952.3	943.1	906.2	869.5
140°	1056.7	977.7	969.2	935.3	901.4
142.5°	1069.3	996.6	988.8	957.4	926.1
145°	1085.8	1025.3	1018.5	991.1	963.8
147.5°	1109.8	1061.4	1054.7	1028.1	1001.5
150°	1122.4	1080.3	1074.2	1050.2	1026.1
152.5°	1130.5	1092.6	1088.1	1069.8	1051.6
155°	1148.6	1119.6	1116.3	1102.7	1089.2
157.5°	1166.6	1146.7	1143.5	1130.3	1117.1
160°	1174.9	1159.0	1156.5	1146.3	1136.1
162.5°	1183.6	1172.2	1170.3	1162.6	1154.9
165°	1196.2	1191.0	1189.2	1182.3	1175.4
167.5°	1206.0	1201.6	1200.8	1197.5	1194.2
170°	1214.3	1214.0	1213.2	1209.8	1206.6
172.5°	1214.8	1214.8	1214.6	1213.9	1213.2
175°	1219.7	1222.1	1222.1	1222.1	1222.1
177.5°	1220.3	1222.1	1222.1	1222.1	1222.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935093
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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	9.28	10.00	10.38	11.09	12.61	12.12	12.83	13.22	13.93	15.44
	3H	9.74	10.39	10.86	11.49	13.02	13.45	14.09	14.56	15.20	16.73
	4H	9.93	10.54	11.05	11.65	13.18	13.89	14.50	15.01	15.61	17.14
	6H	10.04	10.60	11.17	11.71	13.26	14.17	14.73	15.30	15.84	17.39
	8H	10.04	10.57	11.17	11.70	13.24	14.24	14.77	15.37	15.90	17.44
	12H	10.00	10.51	11.14	11.63	13.19	14.28	14.78	15.41	15.90	17.47
4H	2H	10.29	10.90	11.42	12.01	13.55	12.51	13.12	13.64	14.22	15.76
	3H	11.31	11.82	12.44	12.95	14.50	14.00	14.51	15.14	15.64	17.19
	4H	11.58	12.04	12.72	13.17	14.74	14.53	14.99	15.66	16.11	17.68
	6H	11.70	12.09	12.84	13.24	14.80	14.88	15.28	16.03	16.43	17.99
	8H	11.70	12.07	12.84	13.21	14.78	14.99	15.36	16.13	16.50	18.08
	12H	11.66	11.99	12.82	13.14	14.73	15.04	15.38	16.20	16.53	18.11
8H	4H	12.02	12.39	13.16	13.53	15.11	14.64	15.01	15.78	16.15	17.72
	6H	12.28	12.58	13.44	13.76	15.34	15.07	15.38	16.23	16.56	18.13
	8H	12.32	12.59	13.49	13.75	15.34	15.22	15.49	16.39	16.65	18.24
	12H	12.30	12.53	13.47	13.69	15.32	15.31	15.55	16.49	16.71	18.33
12H	4H	12.02	12.36	13.18	13.51	15.09	14.59	14.93	15.76	16.08	17.66
	6H	12.34	12.61	13.51	13.76	15.36	15.07	15.33	16.24	16.49	18.09
	8H	12.40	12.63	13.57	13.79	15.42	15.22	15.46	16.40	16.61	18.24