

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: P935937

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

**Test Information**

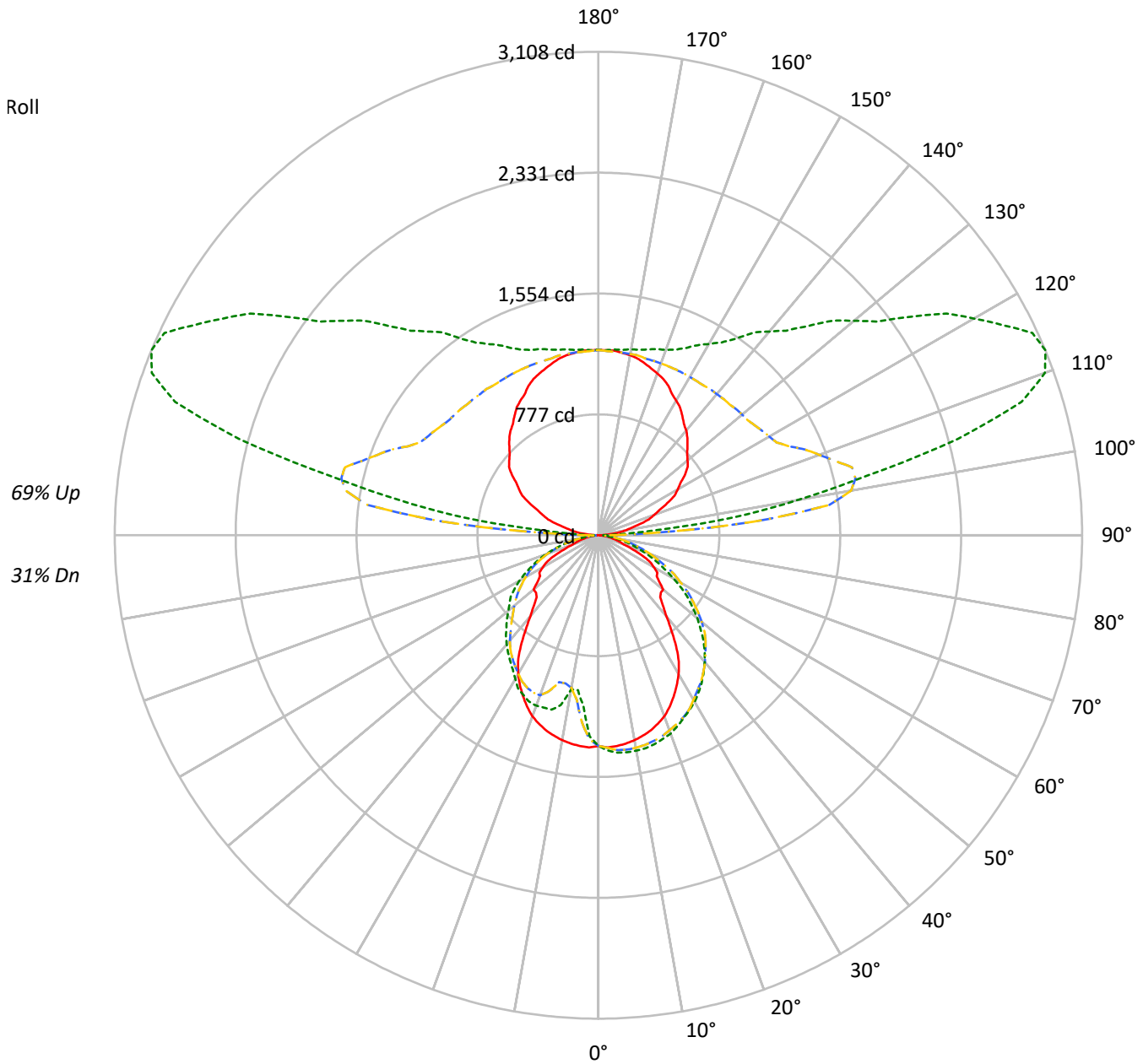
Test Method: LM-79-2019  
Report Number: P935937  
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11234.3 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 95.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	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	33	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	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	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	14	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°	8377	8377	8377	8377
5°	8437	8457	8437	6649
10°	8378	8330	8378	5955
15°	8283	8150	8283	6805
20°	8107	7936	8107	6819
25°	7749	7624	7749	6675
30°	7288	7365	7288	6357
35°	6494	7038	6494	6009
40°	5408	6652	5408	5745
45°	4829	6201	4829	5442
50°	5126	5663	5126	5138
55°	4818	5083	4818	4962
60°	4960	4317	4960	4545
65°	4490	3569	4490	3989
70°	3103	2844	3103	3344
75°	2709	2102	2709	2518
80°	2168	1390	2168	1514
85°	1222	735	1222	626

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7406 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.2	1.1
10°-20°	347.1	3.1
20°-30°	536.5	4.8
30°-40°	640.5	5.7
40°-50°	644.2	5.7
50°-60°	560.6	5.0
60°-70°	397.5	3.5
70°-80°	210.3	1.9
80°-90°	56.9	0.5
90°-100°	580.4	5.2
100°-110°	1525.8	13.6
110°-120°	1582.1	14.1
120°-130°	1269.1	11.3
130°-140°	995.8	8.9
140°-150°	764.3	6.8
150°-160°	550.4	4.9
160°-170°	336.8	3.0
170°-180°	113.8	1.0
0°-30°	1005.8	9.0
0°-40°	1646.3	14.7
0°-60°	2851.2	25.4
0°-90°	3515.8	31.3
90°-120°	3688.4	32.8
90°-150°	6717.5	59.8
90°-180°	7719.0	68.7
0°-180°	11234.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1354	1354	1354	1354	1354	
5°	1361	1403	1361	1103	1361	129
15°	1299	1390	1299	1161	1299	366
25°	1144	1297	1144	1135	1144	525
35°	870	1157	870	988	870	538
45°	561	953	561	837	561	450
55°	457	703	457	687	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°	77	351	77	351	77	85
105°	275	2389	275	2389	275	291
115°	488	3076	488	3076	488	482
125°	679	2450	679	2450	679	603
135°	810	1901	810	1901	810	626
145°	939	1542	939	1542	939	588
155°	1061	1328	1061	1328	1061	488
165°	1145	1237	1145	1237	1145	323
175°	1191	1191	1191	1191	1191	113
180°	1191	1191	1191	1191	1191	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2
2.5°	1365.8	1365.8	1373.4	1376.0	1376.0	1372.2	1368.3	1372.2	1383.7	1387.5	1386.2
5°	1360.6	1370.9	1385.0	1387.5	1390.1	1388.8	1386.2	1388.8	1401.6	1404.2	1405.5
7.5°	1350.4	1369.6	1387.5	1391.4	1395.2	1391.4	1390.1	1392.7	1405.5	1408.0	1408.0
10°	1337.6	1364.5	1385.0	1387.5	1391.4	1387.5	1387.5	1392.7	1405.5	1408.0	1409.3
12.5°	1319.6	1356.8	1376.0	1378.6	1383.7	1382.4	1381.1	1386.2	1399.1	1401.6	1401.6
15°	1299.1	1342.7	1360.6	1363.2	1372.2	1369.6	1369.6	1374.7	1388.8	1392.7	1391.4
17.5°	1270.9	1324.8	1345.3	1349.1	1355.5	1354.2	1355.5	1360.6	1373.4	1376.0	1377.3
20°	1238.9	1300.4	1324.8	1328.6	1335.0	1335.0	1335.0	1341.4	1354.2	1359.3	1359.3
22.5°	1195.4	1274.8	1300.4	1303.0	1310.7	1310.7	1313.2	1322.2	1333.7	1335.0	1335.0
25°	1144.1	1246.6	1268.4	1276.1	1283.8	1287.6	1291.4	1296.6	1300.4	1299.1	1300.4
27.5°	1090.3	1210.7	1238.9	1244.0	1254.3	1258.1	1263.3	1264.5	1265.8	1269.7	1267.1
30°	1030.1	1160.8	1203.0	1208.2	1224.8	1227.4	1222.3	1224.8	1231.2	1233.8	1236.4
32.5°	962.2	1086.5	1165.9	1177.4	1192.8	1185.1	1183.8	1187.7	1197.9	1197.9	1200.5
35°	869.9	1028.8	1131.3	1141.5	1153.1	1144.1	1149.2	1150.5	1156.9	1160.8	1159.5
37.5°	768.7	978.8	1095.4	1103.1	1112.1	1100.5	1108.2	1112.1	1117.2	1114.6	1114.6
40°	679.0	900.7	1053.1	1058.3	1066.0	1057.0	1064.7	1067.2	1069.8	1067.2	1066.0
42.5°	612.4	814.8	1008.3	1014.7	1009.6	1016.0	1018.5	1023.7	1019.8	1014.7	1014.7
45°	561.2	791.8	959.6	967.3	959.6	969.9	973.7	973.7	962.2	959.6	958.3
47.5°	544.5	745.7	910.9	910.9	907.1	919.9	926.3	917.3	905.8	902.0	902.0
50°	543.2	694.4	844.3	839.2	857.1	872.5	866.1	857.1	848.1	834.1	834.1
52.5°	493.3	631.6	758.5	777.7	805.9	814.8	804.6	795.6	780.2	773.8	768.7
55°	457.4	566.3	680.3	718.7	748.2	759.7	740.5	731.6	708.5	704.7	702.1
57.5°	449.7	471.5	608.6	657.3	693.1	691.8	680.3	663.7	644.4	640.6	639.3
60°	412.5	340.8	531.7	589.3	626.5	622.7	612.4	597.0	579.1	576.5	574.0
62.5°	374.1	247.3	444.6	509.9	562.4	561.2	552.2	529.1	516.3	509.9	504.8
65°	317.7	207.6	316.5	424.1	499.7	502.2	483.0	466.4	452.3	444.6	443.3
67.5°	242.1	169.1	214.0	353.6	439.4	436.9	412.5	404.9	386.9	383.1	375.4
70°	179.4	112.7	148.6	287.0	380.5	374.1	354.9	345.9	329.3	320.3	315.2
72.5°	148.6	91.0	108.9	222.9	320.3	312.6	296.0	285.7	271.6	263.9	258.8
75°	120.4	96.1	83.3	165.3	260.1	255.0	239.6	229.3	217.8	207.6	208.8
77.5°	88.4	89.7	66.6	121.7	206.3	198.6	189.6	176.8	171.7	161.4	161.4
80°	66.6	70.5	50.0	83.3	148.6	148.6	140.9	132.0	123.0	117.9	117.9
82.5°	44.8	44.8	37.2	52.5	101.2	97.4	92.2	89.7	84.6	82.0	82.0
85°	20.5	25.6	23.1	32.0	55.1	57.7	57.7	55.1	53.8	51.2	52.5
87.5°	6.4	11.5	14.1	17.9	28.2	29.5	30.7	30.7	30.7	32.0	32.0
90°	8.0	14.4	20.8	22.4	35.2	52.2	60.7	54.0	40.5	30.4	30.4
92.5°	31.9	86.3	140.7	154.3	216.9	300.3	342.0	299.7	215.2	151.9	145.8
95°	76.7	176.1	275.6	300.5	533.6	844.3	999.7	892.1	676.8	515.4	497.1
97.5°	132.6	220.4	308.1	330.0	718.7	1236.9	1495.9	1427.9	1291.9	1189.9	1155.0
100°	175.8	255.4	334.9	354.8	786.1	1361.1	1648.6	1653.5	1663.5	1670.9	1629.5
102.5°	212.6	286.8	361.0	379.6	817.0	1400.1	1691.7	1778.3	1951.6	2081.6	2046.1
105°	274.9	337.7	400.6	416.3	839.9	1404.5	1686.9	1881.1	2269.7	2561.1	2542.0
107.5°	338.8	397.4	456.0	470.6	844.0	1342.0	1591.0	1862.0	2403.9	2810.4	2815.0
110°	382.0	434.9	487.8	501.0	837.7	1286.6	1511.0	1814.0	2419.9	2874.3	2894.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	424.3	474.7	525.1	537.8	838.0	1238.2	1438.4	1748.4	2368.5	2833.6	2864.1
115°	488.2	534.8	581.3	592.9	845.7	1182.7	1351.2	1649.9	2247.3	2695.3	2737.7
117.5°	551.3	593.6	635.9	646.5	861.5	1148.0	1291.4	1560.9	2100.0	2504.3	2551.3
120°	588.2	628.0	667.8	677.7	874.2	1136.3	1267.4	1513.7	2006.3	2375.7	2421.3
122.5°	624.1	664.3	704.4	714.4	892.6	1130.2	1249.0	1470.8	1914.4	2247.0	2292.1
125°	679.2	715.8	752.4	761.5	917.3	1125.1	1229.0	1417.4	1794.2	2076.8	2118.2
127.5°	724.0	760.9	797.8	807.1	942.1	1122.2	1212.2	1374.0	1697.5	1940.2	1975.2
130°	748.0	787.8	827.6	837.5	960.3	1124.0	1205.9	1349.9	1637.9	1853.9	1886.2
132.5°	772.7	812.5	852.3	862.2	974.9	1125.1	1200.2	1329.1	1587.0	1780.3	1809.3
135°	809.5	845.7	882.0	891.0	990.9	1124.0	1190.7	1298.6	1514.5	1676.5	1701.4
137.5°	847.0	882.9	918.8	927.8	1014.9	1131.0	1189.0	1280.3	1462.9	1599.8	1620.2
140°	878.2	911.3	944.2	952.5	1029.5	1132.1	1183.5	1262.3	1420.0	1538.3	1557.3
142.5°	902.1	932.7	963.3	970.9	1041.8	1136.2	1183.5	1252.7	1391.2	1495.1	1511.5
145°	938.9	965.6	992.2	998.9	1057.8	1136.2	1175.5	1232.1	1345.4	1430.4	1442.8
147.5°	975.7	1001.6	1027.5	1034.0	1081.2	1144.0	1175.5	1220.0	1309.1	1376.0	1386.3
150°	999.7	1023.1	1046.5	1052.4	1093.4	1148.1	1175.5	1213.1	1288.4	1344.8	1353.2
152.5°	1024.4	1042.2	1060.0	1064.4	1101.4	1150.8	1175.5	1207.6	1271.9	1320.1	1326.4
155°	1061.2	1074.3	1087.5	1090.7	1119.0	1156.7	1175.5	1201.0	1252.2	1290.5	1294.7
157.5°	1088.3	1101.1	1114.0	1117.1	1136.6	1162.5	1175.5	1195.4	1235.2	1265.0	1267.9
160°	1106.8	1116.7	1126.6	1129.1	1144.5	1165.1	1175.5	1192.5	1226.6	1252.2	1253.9
162.5°	1125.1	1132.6	1140.0	1141.9	1153.1	1168.0	1175.5	1189.8	1218.6	1240.2	1241.8
165°	1145.1	1151.9	1158.5	1160.2	1165.3	1172.0	1175.5	1185.8	1206.4	1221.8	1223.5
167.5°	1163.5	1166.7	1169.9	1170.7	1174.9	1180.7	1183.5	1190.2	1203.7	1213.8	1214.5
170°	1175.5	1178.6	1181.9	1182.6	1182.9	1183.3	1183.5	1190.2	1203.7	1213.8	1213.8
172.5°	1181.9	1182.5	1183.3	1183.5	1183.5	1183.5	1183.5	1188.8	1199.5	1207.4	1206.8
175°	1190.7	1190.7	1190.7	1190.7	1188.3	1185.1	1183.5	1186.8	1193.6	1198.6	1198.6
177.5°	1190.7	1190.7	1190.7	1190.7	1188.8	1186.3	1185.0	1187.7	1193.0	1197.1	1196.4
180°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2
2.5°	1388.8	1385.0	1388.8	1386.2	1387.5	1383.7	1372.2	1368.3	1372.2	1376.0	1376.0
5°	1405.5	1402.9	1405.5	1405.5	1404.2	1401.6	1388.8	1386.2	1388.8	1390.1	1387.5
7.5°	1410.6	1406.7	1410.6	1408.0	1408.0	1405.5	1392.7	1390.1	1391.4	1395.2	1391.4
10°	1410.6	1406.7	1410.6	1409.3	1408.0	1405.5	1392.7	1387.5	1387.5	1391.4	1387.5
12.5°	1404.2	1401.6	1404.2	1401.6	1401.6	1399.1	1386.2	1381.1	1382.4	1383.7	1378.6
15°	1393.9	1390.1	1393.9	1391.4	1392.7	1388.8	1374.7	1369.6	1369.6	1372.2	1363.2
17.5°	1378.6	1373.4	1378.6	1377.3	1376.0	1373.4	1360.6	1355.5	1354.2	1355.5	1349.1
20°	1360.6	1356.8	1360.6	1359.3	1359.3	1354.2	1341.4	1335.0	1335.0	1335.0	1328.6
22.5°	1332.4	1328.6	1332.4	1335.0	1335.0	1333.7	1322.2	1313.2	1310.7	1310.7	1303.0
25°	1300.4	1296.6	1300.4	1300.4	1299.1	1300.4	1296.6	1291.4	1287.6	1283.8	1276.1
27.5°	1269.7	1267.1	1269.7	1267.1	1269.7	1265.8	1264.5	1263.3	1258.1	1254.3	1244.0
30°	1238.9	1236.4	1238.9	1236.4	1233.8	1231.2	1224.8	1222.3	1227.4	1224.8	1208.2
32.5°	1200.5	1197.9	1200.5	1200.5	1197.9	1197.9	1187.7	1183.8	1185.1	1192.8	1177.4
35°	1160.8	1156.9	1160.8	1159.5	1160.8	1156.9	1150.5	1149.2	1144.1	1153.1	1141.5
37.5°	1114.6	1110.8	1114.6	1114.6	1114.6	1117.2	1112.1	1108.2	1100.5	1112.1	1103.1
40°	1067.2	1062.1	1067.2	1066.0	1067.2	1069.8	1067.2	1064.7	1057.0	1066.0	1058.3
42.5°	1013.4	1012.1	1013.4	1014.7	1014.7	1019.8	1023.7	1018.5	1016.0	1009.6	1014.7
45°	955.8	953.2	955.8	958.3	959.6	962.2	973.7	973.7	969.9	959.6	967.3
47.5°	894.3	887.9	894.3	902.0	902.0	905.8	917.3	926.3	919.9	907.1	910.9
50°	828.9	830.2	828.9	834.1	834.1	848.1	857.1	866.1	872.5	857.1	839.2
52.5°	764.9	763.6	764.9	768.7	773.8	780.2	795.6	804.6	814.8	805.9	777.7
55°	700.8	703.4	700.8	702.1	704.7	708.5	731.6	740.5	759.7	748.2	718.7
57.5°	636.8	632.9	636.8	639.3	640.6	644.4	663.7	680.3	691.8	693.1	657.3
60°	562.4	557.3	562.4	574.0	576.5	579.1	597.0	612.4	622.7	626.5	589.3
62.5°	497.1	488.1	497.1	504.8	509.9	516.3	529.1	552.2	561.2	562.4	509.9
65°	427.9	424.1	427.9	443.3	444.6	452.3	466.4	483.0	502.2	499.7	424.1
67.5°	365.1	365.1	365.1	375.4	383.1	386.9	404.9	412.5	436.9	439.4	353.6
70°	307.5	306.2	307.5	315.2	320.3	329.3	345.9	354.9	374.1	380.5	287.0
72.5°	252.4	251.1	252.4	258.8	263.9	271.6	285.7	296.0	312.6	320.3	222.9
75°	203.7	201.1	203.7	208.8	207.6	217.8	229.3	239.6	255.0	260.1	165.3
77.5°	156.3	156.3	156.3	161.4	161.4	171.7	176.8	189.6	198.6	206.3	121.7
80°	116.6	115.3	116.6	117.9	117.9	123.0	132.0	140.9	148.6	148.6	83.3
82.5°	82.0	79.4	82.0	82.0	82.0	84.6	89.7	92.2	97.4	101.2	52.5
85°	51.2	51.2	51.2	52.5	51.2	53.8	55.1	57.7	57.7	55.1	32.0
87.5°	33.3	32.0	33.3	32.0	32.0	30.7	30.7	30.7	29.5	28.2	17.9
90°	30.4	30.4	30.4	30.4	30.4	40.5	54.0	60.7	52.2	35.2	22.4
92.5°	121.6	97.5	121.6	145.8	151.9	215.2	299.7	342.0	300.3	216.9	154.3
95°	423.9	350.8	423.9	497.1	515.4	676.8	892.1	999.7	844.3	533.6	300.5
97.5°	1015.8	876.6	1015.8	1155.0	1189.9	1291.9	1427.9	1495.9	1236.9	718.7	330.0
100°	1463.6	1297.8	1463.6	1629.5	1670.9	1663.5	1653.5	1648.6	1361.1	786.1	354.8
102.5°	1904.0	1762.0	1904.0	2046.1	2081.6	1951.6	1778.3	1691.7	1400.1	817.0	379.6
105°	2465.6	2389.3	2465.6	2542.0	2561.1	2269.7	1881.1	1686.9	1404.5	839.9	416.3
107.5°	2833.5	2851.9	2833.5	2815.0	2810.4	2403.9	1862.0	1591.0	1342.0	844.0	470.6
110°	2973.7	3053.3	2973.7	2894.2	2874.3	2419.9	1814.0	1511.0	1286.6	837.7	501.0





TEST NUMBER: P935937

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2986.3	3108.4	2986.3	2864.1	2833.6	2368.5	1748.4	1438.4	1238.2	838.0	537.8
115°	2907.0	3076.5	2907.0	2737.7	2695.3	2247.3	1649.9	1351.2	1182.7	845.7	592.9
117.5°	2739.2	2927.1	2739.2	2551.3	2504.3	2100.0	1560.9	1291.4	1148.0	861.5	646.5
120°	2603.9	2786.4	2603.9	2421.3	2375.7	2006.3	1513.7	1267.4	1136.3	874.2	677.7
122.5°	2472.1	2652.2	2472.1	2292.1	2247.0	1914.4	1470.8	1249.0	1130.2	892.6	714.4
125°	2284.1	2450.0	2284.1	2118.2	2076.8	1794.2	1417.4	1229.0	1125.1	917.3	761.5
127.5°	2115.1	2255.1	2115.1	1975.2	1940.2	1697.5	1374.0	1212.2	1122.2	942.1	807.1
130°	2015.5	2144.7	2015.5	1886.2	1853.9	1637.9	1349.9	1205.9	1124.0	960.3	837.5
132.5°	1925.0	2040.9	1925.0	1809.3	1780.3	1587.0	1329.1	1200.2	1125.1	974.9	862.2
135°	1801.3	1901.0	1801.3	1701.4	1676.5	1514.5	1298.6	1190.7	1124.0	990.9	891.0
137.5°	1701.9	1783.6	1701.9	1620.2	1599.8	1462.9	1280.3	1189.0	1131.0	1014.9	927.8
140°	1633.7	1710.0	1633.7	1557.3	1538.3	1420.0	1262.3	1183.5	1132.1	1029.5	952.5
142.5°	1577.2	1642.9	1577.2	1511.5	1495.1	1391.2	1252.7	1183.5	1136.2	1041.8	970.9
145°	1492.5	1542.2	1492.5	1442.8	1430.4	1345.4	1232.1	1175.5	1136.2	1057.8	998.9
147.5°	1427.5	1468.8	1427.5	1386.3	1376.0	1309.1	1220.0	1175.5	1144.0	1081.2	1034.0
150°	1386.6	1420.0	1386.6	1353.2	1344.8	1288.4	1213.1	1175.5	1148.1	1093.4	1052.4
152.5°	1351.6	1376.9	1351.6	1326.4	1320.1	1271.9	1207.6	1175.5	1150.8	1101.4	1064.4
155°	1311.3	1328.1	1311.3	1294.7	1290.5	1252.2	1201.0	1175.5	1156.7	1119.0	1090.7
157.5°	1279.7	1291.4	1279.7	1267.9	1265.0	1235.2	1195.4	1175.5	1162.5	1136.6	1117.1
160°	1260.6	1267.4	1260.6	1253.9	1252.2	1226.6	1192.5	1175.5	1165.1	1144.5	1129.1
162.5°	1248.1	1254.5	1248.1	1241.8	1240.2	1218.6	1189.8	1175.5	1168.0	1153.1	1141.9
165°	1230.2	1236.9	1230.2	1223.5	1221.8	1206.4	1185.8	1175.5	1172.0	1165.3	1160.2
167.5°	1217.4	1220.2	1217.4	1214.5	1213.8	1203.7	1190.2	1183.5	1180.7	1174.9	1170.7
170°	1213.8	1213.8	1213.8	1213.8	1213.8	1203.7	1190.2	1183.5	1183.3	1182.9	1182.6
172.5°	1204.3	1201.8	1204.3	1206.8	1207.4	1199.5	1188.8	1183.5	1183.5	1183.5	1183.5
175°	1198.6	1198.6	1198.6	1198.6	1198.6	1193.6	1186.8	1183.5	1185.1	1188.3	1190.7
177.5°	1193.5	1190.7	1193.5	1196.4	1197.1	1193.0	1187.7	1185.0	1186.3	1188.8	1190.7
180°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2
2.5°	1373.4	1365.8	1365.8	1352.9	1347.8	1344.0	1337.6	1318.3	1313.2	1308.1	1315.8
5°	1385.0	1370.9	1360.6	1337.6	1318.3	1310.7	1286.3	1240.2	1209.4	1186.4	1173.6
7.5°	1387.5	1369.6	1350.4	1314.5	1268.4	1247.9	1173.6	1089.0	1066.0	1045.5	1032.6
10°	1385.0	1364.5	1337.6	1283.8	1174.9	1139.0	1064.7	1009.6	995.5	991.6	995.5
12.5°	1376.0	1356.8	1319.6	1229.9	1077.5	1053.1	1009.6	977.5	975.0	981.4	1016.0
15°	1360.6	1342.7	1299.1	1158.2	1023.7	1005.7	975.0	963.5	977.5	1022.4	1126.2
17.5°	1345.3	1324.8	1270.9	1087.7	982.7	969.9	948.1	971.1	1050.6	1110.8	1145.4
20°	1324.8	1300.4	1238.9	1036.5	953.2	941.7	931.4	1035.2	1095.4	1117.2	1136.4
22.5°	1300.4	1274.8	1195.4	1000.6	922.5	913.5	919.9	1071.1	1095.4	1110.8	1127.4
25°	1268.4	1246.6	1144.1	972.4	898.1	887.9	912.2	1067.2	1081.3	1085.2	1118.5
27.5°	1238.9	1210.7	1090.3	946.8	868.6	864.8	918.6	1050.6	1060.8	1064.7	1100.5
30°	1203.0	1160.8	1030.1	919.9	837.9	836.6	919.9	1030.1	1027.5	1037.8	1073.6
32.5°	1165.9	1086.5	962.2	886.6	808.4	807.2	910.9	999.3	996.8	1010.9	1037.8
35°	1131.3	1028.8	869.9	848.1	771.3	772.6	889.1	963.5	964.7	977.5	994.2
37.5°	1095.4	978.8	768.7	805.9	735.4	735.4	859.7	930.1	927.6	931.4	954.5
40°	1053.1	900.7	679.0	750.8	702.1	698.2	823.8	894.3	885.3	884.0	916.1
42.5°	1008.3	814.8	612.4	677.8	663.7	658.5	780.2	850.7	834.1	837.9	878.9
45°	959.6	791.8	561.2	572.7	623.9	620.1	732.8	800.7	789.2	799.5	841.7
47.5°	910.9	745.7	544.5	475.3	581.7	580.4	680.3	752.1	745.7	755.9	800.7
50°	844.3	694.4	543.2	407.4	534.3	539.4	617.5	704.7	704.7	713.6	761.0
52.5°	758.5	631.6	493.3	369.0	479.2	494.5	562.4	663.7	666.2	675.2	717.5
55°	680.3	566.3	457.4	339.5	413.8	447.1	508.6	621.4	626.5	635.5	673.9
57.5°	608.6	471.5	449.7	304.9	353.6	385.6	461.2	580.4	582.9	590.6	627.8
60°	531.7	340.8	412.5	267.8	301.1	325.4	417.7	531.7	540.7	545.8	577.8
62.5°	444.6	247.3	374.1	242.1	275.5	280.6	381.8	485.6	497.1	500.9	520.2
65°	316.5	207.6	317.7	220.4	248.6	249.8	343.4	438.2	448.4	454.8	468.9
67.5°	214.0	169.1	242.1	199.9	228.1	229.3	306.2	383.1	397.2	402.3	411.3
70°	148.6	112.7	179.4	178.1	205.0	207.6	266.5	333.1	345.9	349.8	354.9
72.5°	108.9	91.0	148.6	160.1	180.6	183.2	225.5	276.7	289.5	293.4	296.0
75°	83.3	96.1	120.4	139.6	153.7	155.0	184.5	225.5	234.5	237.0	238.3
77.5°	66.6	89.7	88.4	112.7	125.6	123.0	144.8	174.2	181.9	181.9	181.9
80°	50.0	70.5	66.6	80.7	92.2	89.7	103.8	124.3	126.8	129.4	128.1
82.5°	37.2	44.8	44.8	51.2	61.5	58.9	69.2	80.7	80.7	80.7	83.3
85°	23.1	25.6	20.5	26.9	34.6	33.3	38.4	43.6	44.8	44.8	42.3
87.5°	14.1	11.5	6.4	10.2	15.4	15.4	17.9	19.2	17.9	17.9	17.9
90°	20.8	14.4	8.0	14.4	20.8	22.4	35.2	52.2	60.7	54.0	40.5
92.5°	140.7	86.3	31.9	86.3	140.7	154.3	216.9	300.3	342.0	299.7	215.2
95°	275.6	176.1	76.7	176.1	275.6	300.5	533.6	844.3	999.7	892.1	676.8
97.5°	308.1	220.4	132.6	220.4	308.1	330.0	718.7	1236.9	1495.9	1427.9	1291.9
100°	334.9	255.4	175.8	255.4	334.9	354.8	786.1	1361.1	1648.6	1653.5	1663.5
102.5°	361.0	286.8	212.6	286.8	361.0	379.6	817.0	1400.1	1691.7	1778.3	1951.6
105°	400.6	337.7	274.9	337.7	400.6	416.3	839.9	1404.5	1686.9	1881.1	2269.7
107.5°	456.0	397.4	338.8	397.4	456.0	470.6	844.0	1342.0	1591.0	1862.0	2403.9
110°	487.8	434.9	382.0	434.9	487.8	501.0	837.7	1286.6	1511.0	1814.0	2419.9



TEST NUMBER: P935937

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	525.1	474.7	424.3	474.7	525.1	537.8	838.0	1238.2	1438.4	1748.4	2368.5
115°	581.3	534.8	488.2	534.8	581.3	592.9	845.7	1182.7	1351.2	1649.9	2247.3
117.5°	635.9	593.6	551.3	593.6	635.9	646.5	861.5	1148.0	1291.4	1560.9	2100.0
120°	667.8	628.0	588.2	628.0	667.8	677.7	874.2	1136.3	1267.4	1513.7	2006.3
122.5°	704.4	664.3	624.1	664.3	704.4	714.4	892.6	1130.2	1249.0	1470.8	1914.4
125°	752.4	715.8	679.2	715.8	752.4	761.5	917.3	1125.1	1229.0	1417.4	1794.2
127.5°	797.8	760.9	724.0	760.9	797.8	807.1	942.1	1122.2	1212.2	1374.0	1697.5
130°	827.6	787.8	748.0	787.8	827.6	837.5	960.3	1124.0	1205.9	1349.9	1637.9
132.5°	852.3	812.5	772.7	812.5	852.3	862.2	974.9	1125.1	1200.2	1329.1	1587.0
135°	882.0	845.7	809.5	845.7	882.0	891.0	990.9	1124.0	1190.7	1298.6	1514.5
137.5°	918.8	882.9	847.0	882.9	918.8	927.8	1014.9	1131.0	1189.0	1280.3	1462.9
140°	944.2	911.3	878.2	911.3	944.2	952.5	1029.5	1132.1	1183.5	1262.3	1420.0
142.5°	963.3	932.7	902.1	932.7	963.3	970.9	1041.8	1136.2	1183.5	1252.7	1391.2
145°	992.2	965.6	938.9	965.6	992.2	998.9	1057.8	1136.2	1175.5	1232.1	1345.4
147.5°	1027.5	1001.6	975.7	1001.6	1027.5	1034.0	1081.2	1144.0	1175.5	1220.0	1309.1
150°	1046.5	1023.1	999.7	1023.1	1046.5	1052.4	1093.4	1148.1	1175.5	1213.1	1288.4
152.5°	1060.0	1042.2	1024.4	1042.2	1060.0	1064.4	1101.4	1150.8	1175.5	1207.6	1271.9
155°	1087.5	1074.3	1061.2	1074.3	1087.5	1090.7	1119.0	1156.7	1175.5	1201.0	1252.2
157.5°	1114.0	1101.1	1088.3	1101.1	1114.0	1117.1	1136.6	1162.5	1175.5	1195.4	1235.2
160°	1126.6	1116.7	1106.8	1116.7	1126.6	1129.1	1144.5	1165.1	1175.5	1192.5	1226.6
162.5°	1140.0	1132.6	1125.1	1132.6	1140.0	1141.9	1153.1	1168.0	1175.5	1189.8	1218.6
165°	1158.5	1151.9	1145.1	1151.9	1158.5	1160.2	1165.3	1172.0	1175.5	1185.8	1206.4
167.5°	1169.9	1166.7	1163.5	1166.7	1169.9	1170.7	1174.9	1180.7	1183.5	1190.2	1203.7
170°	1181.9	1178.6	1175.5	1178.6	1181.9	1182.6	1182.9	1183.3	1183.5	1190.2	1203.7
172.5°	1183.3	1182.5	1181.9	1182.5	1183.3	1183.5	1183.5	1183.5	1183.5	1188.8	1199.5
175°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1188.3	1185.1	1183.5	1186.8	1193.6
177.5°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1188.8	1186.3	1185.0	1187.7	1193.0
180°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7



TEST NUMBER: P935937

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2	1354.2
2.5°	1306.8	1303.0	1308.1	1294.0	1308.1	1303.0	1306.8	1315.8	1308.1	1313.2	1318.3
5°	1146.7	1140.3	1119.8	1103.1	1119.8	1140.3	1146.7	1173.6	1186.4	1209.4	1240.2
7.5°	1025.0	1019.8	1014.7	1004.5	1014.7	1019.8	1025.0	1032.6	1045.5	1066.0	1089.0
10°	998.0	999.3	1007.0	1005.7	1007.0	999.3	998.0	995.5	991.6	995.5	1009.6
12.5°	1067.2	1078.8	1121.0	1118.5	1121.0	1078.8	1067.2	1016.0	981.4	975.0	977.5
15°	1146.7	1150.5	1159.5	1160.8	1159.5	1150.5	1146.7	1126.2	1022.4	977.5	963.5
17.5°	1154.4	1155.6	1162.0	1162.0	1162.0	1155.6	1154.4	1145.4	1110.8	1050.6	971.1
20°	1147.9	1150.5	1163.3	1165.9	1163.3	1150.5	1147.9	1136.4	1117.2	1095.4	1035.2
22.5°	1145.4	1150.5	1160.8	1159.5	1160.8	1150.5	1145.4	1127.4	1110.8	1095.4	1071.1
25°	1132.6	1132.6	1133.9	1135.1	1133.9	1132.6	1132.6	1118.5	1085.2	1081.3	1067.2
27.5°	1105.7	1108.2	1115.9	1114.6	1115.9	1108.2	1105.7	1100.5	1064.7	1060.8	1050.6
30°	1081.3	1078.8	1072.4	1067.2	1072.4	1078.8	1081.3	1073.6	1037.8	1027.5	1030.1
32.5°	1040.3	1033.9	1027.5	1023.7	1027.5	1033.9	1040.3	1037.8	1010.9	996.8	999.3
35°	991.6	992.9	991.6	987.8	991.6	992.9	991.6	994.2	977.5	964.7	963.5
37.5°	957.1	959.6	958.3	953.2	958.3	959.6	957.1	954.5	931.4	927.6	930.1
40°	921.2	922.5	921.2	917.3	921.2	922.5	921.2	916.1	884.0	885.3	894.3
42.5°	886.6	885.3	881.5	878.9	881.5	885.3	886.6	878.9	837.9	834.1	850.7
45°	846.9	848.1	840.5	836.6	840.5	848.1	846.9	841.7	799.5	789.2	800.7
47.5°	807.2	807.2	800.7	796.9	800.7	807.2	807.2	800.7	755.9	745.7	752.1
50°	764.9	763.6	754.6	753.3	754.6	763.6	764.9	761.0	713.6	704.7	704.7
52.5°	716.2	716.2	717.5	720.0	717.5	716.2	716.2	717.5	675.2	666.2	663.7
55°	673.9	675.2	684.2	686.7	684.2	675.2	673.9	673.9	635.5	626.5	621.4
57.5°	630.3	630.3	636.8	636.8	636.8	630.3	630.3	627.8	590.6	582.9	580.4
60°	580.4	582.9	588.1	586.8	588.1	582.9	580.4	577.8	545.8	540.7	531.7
62.5°	527.9	530.4	531.7	529.1	531.7	530.4	527.9	520.2	500.9	497.1	485.6
65°	472.8	475.3	476.6	474.0	476.6	475.3	472.8	468.9	454.8	448.4	438.2
67.5°	416.4	415.1	413.8	418.9	413.8	415.1	416.4	411.3	402.3	397.2	383.1
70°	358.7	358.7	357.5	360.0	357.5	358.7	358.7	354.9	349.8	345.9	333.1
72.5°	297.2	296.0	301.1	297.2	301.1	296.0	297.2	296.0	293.4	289.5	276.7
75°	237.0	239.6	237.0	240.9	237.0	239.6	237.0	238.3	237.0	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	125.6	126.8	126.8	128.1	128.1	129.4	126.8	124.3
82.5°	82.0	80.7	80.7	83.3	80.7	80.7	82.0	83.3	80.7	80.7	80.7
85°	44.8	46.1	43.6	43.6	43.6	46.1	44.8	42.3	44.8	44.8	43.6
87.5°	16.7	15.4	15.4	15.4	15.4	15.4	16.7	17.9	17.9	17.9	19.2
90°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	40.5	54.0	60.7	52.2
92.5°	151.9	145.8	121.6	97.5	121.6	145.8	151.9	215.2	299.7	342.0	300.3
95°	515.4	497.1	423.9	350.8	423.9	497.1	515.4	676.8	892.1	999.7	844.3
97.5°	1189.9	1155.0	1015.8	876.6	1015.8	1155.0	1189.9	1291.9	1427.9	1495.9	1236.9
100°	1670.9	1629.5	1463.6	1297.8	1463.6	1629.5	1670.9	1663.5	1653.5	1648.6	1361.1
102.5°	2081.6	2046.1	1904.0	1762.0	1904.0	2046.1	2081.6	1951.6	1778.3	1691.7	1400.1
105°	2561.1	2542.0	2465.6	2389.3	2465.6	2542.0	2561.1	2269.7	1881.1	1686.9	1404.5
107.5°	2810.4	2815.0	2833.5	2851.9	2833.5	2815.0	2810.4	2403.9	1862.0	1591.0	1342.0
110°	2874.3	2894.2	2973.7	3053.3	2973.7	2894.2	2874.3	2419.9	1814.0	1511.0	1286.6



TEST NUMBER: P935937

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2833.6	2864.1	2986.3	3108.4	2986.3	2864.1	2833.6	2368.5	1748.4	1438.4	1238.2
115°	2695.3	2737.7	2907.0	3076.5	2907.0	2737.7	2695.3	2247.3	1649.9	1351.2	1182.7
117.5°	2504.3	2551.3	2739.2	2927.1	2739.2	2551.3	2504.3	2100.0	1560.9	1291.4	1148.0
120°	2375.7	2421.3	2603.9	2786.4	2603.9	2421.3	2375.7	2006.3	1513.7	1267.4	1136.3
122.5°	2247.0	2292.1	2472.1	2652.2	2472.1	2292.1	2247.0	1914.4	1470.8	1249.0	1130.2
125°	2076.8	2118.2	2284.1	2450.0	2284.1	2118.2	2076.8	1794.2	1417.4	1229.0	1125.1
127.5°	1940.2	1975.2	2115.1	2255.1	2115.1	1975.2	1940.2	1697.5	1374.0	1212.2	1122.2
130°	1853.9	1886.2	2015.5	2144.7	2015.5	1886.2	1853.9	1637.9	1349.9	1205.9	1124.0
132.5°	1780.3	1809.3	1925.0	2040.9	1925.0	1809.3	1780.3	1587.0	1329.1	1200.2	1125.1
135°	1676.5	1701.4	1801.3	1901.0	1801.3	1701.4	1676.5	1514.5	1298.6	1190.7	1124.0
137.5°	1599.8	1620.2	1701.9	1783.6	1701.9	1620.2	1599.8	1462.9	1280.3	1189.0	1131.0
140°	1538.3	1557.3	1633.7	1710.0	1633.7	1557.3	1538.3	1420.0	1262.3	1183.5	1132.1
142.5°	1495.1	1511.5	1577.2	1642.9	1577.2	1511.5	1495.1	1391.2	1252.7	1183.5	1136.2
145°	1430.4	1442.8	1492.5	1542.2	1492.5	1442.8	1430.4	1345.4	1232.1	1175.5	1136.2
147.5°	1376.0	1386.3	1427.5	1468.8	1427.5	1386.3	1376.0	1309.1	1220.0	1175.5	1144.0
150°	1344.8	1353.2	1386.6	1420.0	1386.6	1353.2	1344.8	1288.4	1213.1	1175.5	1148.1
152.5°	1320.1	1326.4	1351.6	1376.9	1351.6	1326.4	1320.1	1271.9	1207.6	1175.5	1150.8
155°	1290.5	1294.7	1311.3	1328.1	1311.3	1294.7	1290.5	1252.2	1201.0	1175.5	1156.7
157.5°	1265.0	1267.9	1279.7	1291.4	1279.7	1267.9	1265.0	1235.2	1195.4	1175.5	1162.5
160°	1252.2	1253.9	1260.6	1267.4	1260.6	1253.9	1252.2	1226.6	1192.5	1175.5	1165.1
162.5°	1240.2	1241.8	1248.1	1254.5	1248.1	1241.8	1240.2	1218.6	1189.8	1175.5	1168.0
165°	1221.8	1223.5	1230.2	1236.9	1230.2	1223.5	1221.8	1206.4	1185.8	1175.5	1172.0
167.5°	1213.8	1214.5	1217.4	1220.2	1217.4	1214.5	1213.8	1203.7	1190.2	1183.5	1180.7
170°	1213.8	1213.8	1213.8	1213.8	1213.8	1213.8	1213.8	1203.7	1190.2	1183.5	1183.3
172.5°	1207.4	1206.8	1204.3	1201.8	1204.3	1206.8	1207.4	1199.5	1188.8	1183.5	1183.5
175°	1198.6	1198.6	1198.6	1198.6	1198.6	1198.6	1198.6	1193.6	1186.8	1183.5	1185.1
177.5°	1197.1	1196.4	1193.5	1190.7	1193.5	1196.4	1197.1	1193.0	1187.7	1185.0	1186.3
180°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1354.2	1354.2	1354.2	1354.2	1354.2
2.5°	1337.6	1344.0	1347.8	1352.9	1365.8
5°	1286.3	1310.7	1318.3	1337.6	1360.6
7.5°	1173.6	1247.9	1268.4	1314.5	1350.4
10°	1064.7	1139.0	1174.9	1283.8	1337.6
12.5°	1009.6	1053.1	1077.5	1229.9	1319.6
15°	975.0	1005.7	1023.7	1158.2	1299.1
17.5°	948.1	969.9	982.7	1087.7	1270.9
20°	931.4	941.7	953.2	1036.5	1238.9
22.5°	919.9	913.5	922.5	1000.6	1195.4
25°	912.2	887.9	898.1	972.4	1144.1
27.5°	918.6	864.8	868.6	946.8	1090.3
30°	919.9	836.6	837.9	919.9	1030.1
32.5°	910.9	807.2	808.4	886.6	962.2
35°	889.1	772.6	771.3	848.1	869.9
37.5°	859.7	735.4	735.4	805.9	768.7
40°	823.8	698.2	702.1	750.8	679.0
42.5°	780.2	658.5	663.7	677.8	612.4
45°	732.8	620.1	623.9	572.7	561.2
47.5°	680.3	580.4	581.7	475.3	544.5
50°	617.5	539.4	534.3	407.4	543.2
52.5°	562.4	494.5	479.2	369.0	493.3
55°	508.6	447.1	413.8	339.5	457.4
57.5°	461.2	385.6	353.6	304.9	449.7
60°	417.7	325.4	301.1	267.8	412.5
62.5°	381.8	280.6	275.5	242.1	374.1
65°	343.4	249.8	248.6	220.4	317.7
67.5°	306.2	229.3	228.1	199.9	242.1
70°	266.5	207.6	205.0	178.1	179.4
72.5°	225.5	183.2	180.6	160.1	148.6
75°	184.5	155.0	153.7	139.6	120.4
77.5°	144.8	123.0	125.6	112.7	88.4
80°	103.8	89.7	92.2	80.7	66.6
82.5°	69.2	58.9	61.5	51.2	44.8
85°	38.4	33.3	34.6	26.9	20.5
87.5°	17.9	15.4	15.4	10.2	6.4
90°	35.2	22.4	20.8	14.4	8.0
92.5°	216.9	154.3	140.7	86.3	31.9
95°	533.6	300.5	275.6	176.1	76.7
97.5°	718.7	330.0	308.1	220.4	132.6
100°	786.1	354.8	334.9	255.4	175.8
102.5°	817.0	379.6	361.0	286.8	212.6
105°	839.9	416.3	400.6	337.7	274.9
107.5°	844.0	470.6	456.0	397.4	338.8
110°	837.7	501.0	487.8	434.9	382.0



TEST NUMBER: P935937

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	838.0	537.8	525.1	474.7	424.3
115°	845.7	592.9	581.3	534.8	488.2
117.5°	861.5	646.5	635.9	593.6	551.3
120°	874.2	677.7	667.8	628.0	588.2
122.5°	892.6	714.4	704.4	664.3	624.1
125°	917.3	761.5	752.4	715.8	679.2
127.5°	942.1	807.1	797.8	760.9	724.0
130°	960.3	837.5	827.6	787.8	748.0
132.5°	974.9	862.2	852.3	812.5	772.7
135°	990.9	891.0	882.0	845.7	809.5
137.5°	1014.9	927.8	918.8	882.9	847.0
140°	1029.5	952.5	944.2	911.3	878.2
142.5°	1041.8	970.9	963.3	932.7	902.1
145°	1057.8	998.9	992.2	965.6	938.9
147.5°	1081.2	1034.0	1027.5	1001.6	975.7
150°	1093.4	1052.4	1046.5	1023.1	999.7
152.5°	1101.4	1064.4	1060.0	1042.2	1024.4
155°	1119.0	1090.7	1087.5	1074.3	1061.2
157.5°	1136.6	1117.1	1114.0	1101.1	1088.3
160°	1144.5	1129.1	1126.6	1116.7	1106.8
162.5°	1153.1	1141.9	1140.0	1132.6	1125.1
165°	1165.3	1160.2	1158.5	1151.9	1145.1
167.5°	1174.9	1170.7	1169.9	1166.7	1163.5
170°	1182.9	1182.6	1181.9	1178.6	1175.5
172.5°	1183.5	1183.5	1183.3	1182.5	1181.9
175°	1188.3	1190.7	1190.7	1190.7	1190.7
177.5°	1188.8	1190.7	1190.7	1190.7	1190.7
180°	1190.7	1190.7	1190.7	1190.7	1190.7



TEST NUMBER: P935937

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-2700K

**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	10.15	10.86	11.25	11.96	13.48	12.97	13.69	14.07	14.79	16.30
	3H	10.61	11.25	11.72	12.36	13.89	14.30	14.94	15.42	16.05	17.58
	4H	10.80	11.41	11.92	12.51	14.05	14.74	15.35	15.86	16.46	17.99
	6H	10.91	11.47	12.04	12.58	14.13	15.02	15.57	16.15	16.69	18.24
	8H	10.91	11.44	12.04	12.56	14.11	15.09	15.62	16.22	16.74	18.29
	12H	10.87	11.38	12.01	12.50	14.06	15.12	15.62	16.26	16.74	18.31
4H	2H	11.16	11.77	12.29	12.88	14.41	13.36	13.97	14.49	15.08	16.62
	3H	12.17	12.68	13.31	13.82	15.37	14.85	15.36	15.99	16.49	18.04
	4H	12.44	12.91	13.58	14.03	15.60	15.37	15.84	16.51	16.96	18.53
	6H	12.56	12.96	13.71	14.11	15.67	15.73	16.13	16.87	17.28	18.84
	8H	12.56	12.93	13.71	14.07	15.65	15.83	16.20	16.98	17.34	18.92
	12H	12.52	12.86	13.68	14.01	15.59	15.88	16.22	17.04	17.37	18.95
8H	4H	12.88	13.26	14.03	14.40	15.97	15.49	15.86	16.63	17.00	18.58
	6H	13.14	13.45	14.30	14.63	16.20	15.92	16.22	17.08	17.40	18.98
	8H	13.18	13.45	14.35	14.61	16.20	16.07	16.33	17.24	17.49	19.09
	12H	13.16	13.39	14.33	14.55	16.18	16.16	16.39	17.33	17.55	19.18
12H	4H	12.88	13.22	14.04	14.37	15.95	15.44	15.78	16.60	16.93	18.51
	6H	13.20	13.47	14.37	14.63	16.22	15.91	16.18	17.08	17.34	18.93
	8H	13.26	13.49	14.43	14.65	16.28	16.06	16.30	17.24	17.46	19.09