

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: P935048

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

**Test Information**

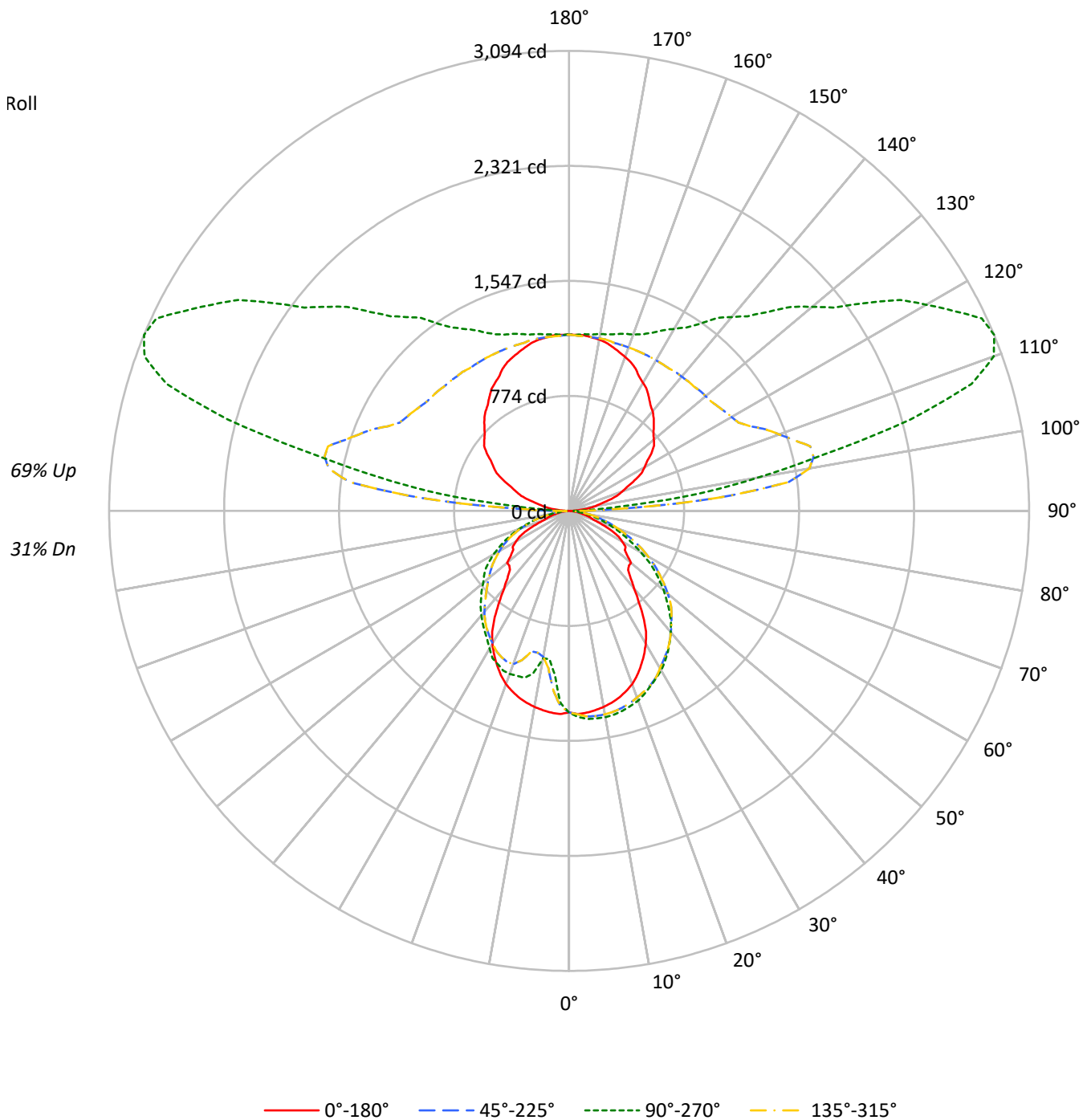
Test Method: LM-79-2019  
Report Number: P935048  
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11202.8 lumens  
Efficiency: N/A  
Efficacy: 136.0 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-92765-1D-UNV-STD-W-8-6500K

### Luminous Intensity Polar Plot





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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°	6290	6290	6290	6290
5°	6337	6349	6337	4992
10°	6294	6254	6294	4471
15°	6226	6118	6226	5109
20°	6096	5958	6096	5120
25°	5829	5724	5829	5011
30°	5485	5530	5485	4773
35°	4889	5284	4889	4511
40°	4075	4994	4075	4314
45°	3641	4656	3641	4086
50°	3868	4252	3868	3858
55°	3638	3816	3638	3726
60°	3751	3241	3751	3412
65°	3400	2679	3400	2995
70°	2355	2136	2355	2510
75°	2066	1579	2066	1891
80°	1662	1043	1662	1135
85°	960	553	960	470

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5579 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.4	1.1
10°-20°	347.4	3.1
20°-30°	537.1	4.8
30°-40°	641.2	5.7
40°-50°	644.9	5.8
50°-60°	561.2	5.0
60°-70°	397.9	3.6
70°-80°	210.5	1.9
80°-90°	56.9	0.5
90°-100°	577.8	5.2
100°-110°	1518.9	13.6
110°-120°	1574.9	14.1
120°-130°	1263.3	11.3
130°-140°	991.2	8.8
140°-150°	760.8	6.8
150°-160°	547.9	4.9
160°-170°	335.2	3.0
170°-180°	113.3	1.0
0°-30°	1006.9	9.0
0°-40°	1648.1	14.7
0°-60°	2854.2	25.5
0°-90°	3519.5	31.4
90°-120°	3671.6	32.8
90°-150°	6686.9	59.7
90°-180°	7683.0	68.6
0°-180°	11202.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1356	1356	1356	1356	1356	
5°	1362	1404	1362	1104	1362	129
15°	1300	1392	1300	1162	1300	366
25°	1145	1298	1145	1136	1145	526
35°	871	1158	871	989	871	539
45°	562	954	562	838	562	450
55°	458	704	458	687	458	421
65°	318	424	318	475	318	304
75°	121	201	121	241	121	127
85°	21	51	21	44	21	28
90°	8	30	8	30	8	7
95°	76	349	76	349	76	85
105°	274	2378	274	2378	274	290
115°	486	3062	486	3062	486	480
125°	676	2439	676	2439	676	600
135°	806	1892	806	1892	806	623
145°	935	1535	935	1535	935	586
155°	1056	1322	1056	1322	1056	485
165°	1140	1231	1140	1231	1140	322
175°	1185	1193	1185	1193	1185	113
180°	1185	1185	1185	1185	1185	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1367.2	1367.2	1374.9	1377.5	1377.5	1373.6	1369.7	1373.6	1385.1	1389.0	1387.7
5°	1362.1	1372.3	1386.5	1389.0	1391.5	1390.3	1387.7	1390.3	1403.1	1405.7	1406.9
7.5°	1351.8	1371.1	1389.0	1392.9	1396.7	1392.9	1391.5	1394.1	1406.9	1409.5	1409.5
10°	1339.0	1365.9	1386.5	1389.0	1392.9	1389.0	1389.0	1394.1	1406.9	1409.5	1410.8
12.5°	1321.0	1358.2	1377.5	1380.0	1385.1	1383.9	1382.6	1387.7	1400.5	1403.1	1403.1
15°	1300.5	1344.1	1362.1	1364.6	1373.6	1371.1	1371.1	1376.2	1390.3	1394.1	1392.9
17.5°	1272.3	1326.1	1346.7	1350.5	1356.9	1355.7	1356.9	1362.1	1374.9	1377.5	1378.7
20°	1240.2	1301.8	1326.1	1330.0	1336.4	1336.4	1336.4	1342.8	1355.7	1360.8	1360.8
22.5°	1196.6	1276.1	1301.8	1304.3	1312.1	1312.1	1314.6	1323.6	1335.1	1336.4	1336.4
25°	1145.3	1247.9	1269.7	1277.4	1285.1	1288.9	1292.8	1297.9	1301.8	1300.5	1301.8
27.5°	1091.5	1212.0	1240.2	1245.3	1255.6	1259.5	1264.6	1265.9	1267.1	1271.0	1268.5
30°	1031.2	1162.0	1204.3	1209.5	1226.1	1228.7	1223.5	1226.1	1232.5	1235.1	1237.7
32.5°	963.2	1087.6	1167.1	1178.7	1194.1	1186.3	1185.1	1188.9	1199.2	1199.2	1201.7
35°	870.8	1029.9	1132.5	1142.7	1154.3	1145.3	1150.5	1151.7	1158.1	1162.0	1160.7
37.5°	769.5	979.9	1096.6	1104.3	1113.3	1101.7	1109.4	1113.3	1118.4	1115.8	1115.8
40°	679.8	901.6	1054.3	1059.4	1067.1	1058.1	1065.8	1068.4	1070.9	1068.4	1067.1
42.5°	613.0	815.7	1009.4	1015.8	1010.6	1017.1	1019.6	1024.8	1020.9	1015.8	1015.8
45°	561.8	792.6	960.6	968.3	960.6	970.9	974.7	974.7	963.2	960.6	959.3
47.5°	545.1	746.4	911.9	911.9	908.0	920.9	927.3	918.3	906.8	902.9	902.9
50°	543.8	695.2	845.2	840.1	858.0	873.4	867.0	858.0	849.0	834.9	834.9
52.5°	493.8	632.3	759.3	778.5	806.7	815.7	805.4	796.5	781.1	774.6	769.5
55°	457.8	566.9	681.0	719.5	749.0	760.6	741.3	732.3	709.2	705.4	702.8
57.5°	450.2	472.0	609.2	658.0	693.8	692.6	681.0	664.4	645.1	641.3	640.0
60°	413.0	341.2	532.2	590.0	627.2	623.3	613.0	597.6	579.7	577.2	574.6
62.5°	374.5	247.6	445.0	510.4	563.0	561.8	552.8	529.7	516.8	510.4	505.3
65°	318.0	207.8	316.8	424.5	500.2	502.8	483.5	466.8	452.8	445.0	443.8
67.5°	242.4	169.3	214.2	354.0	439.9	437.4	413.0	405.3	387.4	383.5	375.8
70°	179.6	112.8	148.8	287.3	380.9	374.5	355.2	346.3	329.6	320.6	315.5
72.5°	148.8	91.0	109.0	223.2	320.6	313.0	296.2	286.0	271.9	264.2	259.0
75°	120.6	96.2	83.4	165.4	260.4	255.2	239.8	229.6	218.0	207.8	209.0
77.5°	88.5	89.8	66.6	121.8	206.5	198.8	189.8	177.0	171.8	161.6	161.6
80°	66.6	70.6	50.0	83.4	148.8	148.8	141.0	132.1	123.2	118.0	118.0
82.5°	44.8	44.8	37.2	52.6	101.4	97.4	92.4	89.8	84.6	82.0	82.0
85°	20.6	25.6	23.0	32.0	55.2	57.8	57.8	55.2	53.8	51.3	52.6
87.5°	6.4	11.6	14.2	18.0	28.2	29.5	30.8	30.8	30.8	32.0	32.0
90°	7.9	14.3	20.7	22.3	35.0	51.9	60.4	53.7	40.3	30.2	30.2
92.5°	31.8	86.0	140.1	153.6	215.8	298.9	340.4	298.3	214.3	151.2	145.2
95°	76.4	175.4	274.3	299.1	531.1	840.4	995.1	888.0	673.7	513.1	494.9
97.5°	132.1	219.4	306.7	328.5	715.4	1231.2	1489.1	1421.4	1286.0	1184.4	1149.8
100°	175.0	254.2	333.4	353.2	782.5	1354.8	1641.0	1646.0	1655.8	1663.3	1622.0
102.5°	211.6	285.4	359.3	377.8	813.1	1393.7	1684.0	1770.2	1942.8	2072.2	2036.8
105°	273.7	336.2	398.7	414.4	836.0	1398.1	1679.2	1872.5	2259.3	2549.4	2530.4
107.5°	337.2	395.6	453.9	468.5	840.3	1335.9	1583.7	1853.5	2393.0	2797.5	2802.1
110°	380.2	432.9	485.6	498.8	833.9	1280.7	1504.2	1805.8	2408.8	2861.2	2881.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	422.4	472.6	522.8	535.4	834.2	1232.6	1431.8	1740.5	2357.7	2820.7	2851.1
115°	486.0	532.3	578.7	590.3	841.8	1177.4	1345.1	1642.5	2237.1	2683.1	2725.2
117.5°	548.9	590.9	633.0	643.5	857.5	1142.7	1285.4	1553.7	2090.4	2492.9	2539.6
120°	585.5	625.1	664.6	674.5	870.2	1131.2	1261.6	1506.8	1997.1	2364.9	2410.3
122.5°	621.2	661.2	701.2	711.1	888.5	1125.0	1243.2	1464.0	1905.6	2236.8	2281.7
125°	676.1	712.6	749.0	758.1	913.2	1120.0	1223.4	1411.0	1786.1	2067.4	2108.7
127.5°	720.7	757.4	794.2	803.4	937.8	1117.1	1206.7	1367.7	1689.8	1931.3	1966.1
130°	744.5	784.1	823.7	833.6	955.8	1118.8	1200.3	1343.6	1630.4	1845.5	1877.6
132.5°	769.2	808.7	848.3	858.3	970.4	1120.0	1194.8	1323.1	1579.7	1772.2	1801.0
135°	805.8	841.8	878.0	887.0	986.4	1118.9	1185.2	1292.7	1507.6	1668.8	1693.7
137.5°	843.2	878.8	914.6	923.5	1010.2	1125.8	1183.6	1274.4	1456.2	1592.4	1612.8
140°	874.2	907.0	939.9	948.2	1024.8	1127.0	1178.0	1256.5	1413.5	1531.2	1550.3
142.5°	898.1	928.5	958.9	966.4	1037.0	1131.0	1178.0	1247.0	1384.9	1488.3	1504.7
145°	934.7	961.2	987.7	994.3	1053.0	1131.1	1170.1	1226.5	1339.2	1423.9	1436.2
147.5°	971.2	997.0	1022.8	1029.3	1076.3	1138.8	1170.1	1214.5	1303.2	1369.7	1380.0
150°	995.1	1018.4	1041.8	1047.6	1088.4	1142.8	1170.1	1207.6	1282.5	1338.8	1347.1
152.5°	1019.8	1037.5	1055.2	1059.6	1096.4	1145.5	1170.1	1202.1	1266.1	1314.1	1320.4
155°	1056.3	1069.4	1082.5	1085.8	1113.9	1151.4	1170.1	1195.5	1246.5	1284.6	1288.8
157.5°	1083.4	1096.1	1108.9	1112.1	1131.4	1157.2	1170.1	1189.9	1229.5	1259.2	1262.1
160°	1101.7	1111.7	1121.5	1124.0	1139.4	1159.9	1170.1	1187.1	1221.1	1246.5	1248.2
162.5°	1120.0	1127.4	1134.9	1136.7	1147.8	1162.6	1170.1	1184.4	1213.0	1234.5	1236.2
165°	1139.9	1146.6	1153.3	1155.0	1160.1	1166.7	1170.1	1180.3	1200.9	1216.3	1218.0
167.5°	1158.1	1161.3	1164.5	1165.3	1169.5	1175.2	1178.0	1184.7	1198.2	1208.2	1208.9
170°	1170.1	1173.2	1176.5	1177.3	1177.6	1177.8	1178.0	1184.7	1198.2	1208.2	1208.2
172.5°	1176.5	1177.2	1177.8	1178.0	1178.0	1178.0	1178.0	1183.4	1194.0	1201.9	1201.4
175°	1185.2	1185.2	1185.2	1185.2	1182.8	1179.7	1178.0	1181.4	1188.1	1193.1	1193.1
177.5°	1185.2	1185.2	1185.2	1185.2	1183.4	1180.9	1179.7	1182.3	1187.6	1191.6	1190.9
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1390.3	1386.5	1390.3	1387.7	1389.0	1385.1	1373.6	1369.7	1373.6	1377.5	1377.5
5°	1406.9	1404.4	1406.9	1406.9	1405.7	1403.1	1390.3	1387.7	1390.3	1391.5	1389.0
7.5°	1412.1	1408.3	1412.1	1409.5	1409.5	1406.9	1394.1	1391.5	1392.9	1396.7	1392.9
10°	1412.1	1408.3	1412.1	1410.8	1409.5	1406.9	1394.1	1389.0	1389.0	1392.9	1389.0
12.5°	1405.7	1403.1	1405.7	1403.1	1403.1	1400.5	1387.7	1382.6	1383.9	1385.1	1380.0
15°	1395.4	1391.5	1395.4	1392.9	1394.1	1390.3	1376.2	1371.1	1371.1	1373.6	1364.6
17.5°	1380.0	1374.9	1380.0	1378.7	1377.5	1374.9	1362.1	1356.9	1355.7	1356.9	1350.5
20°	1362.1	1358.2	1362.1	1360.8	1360.8	1355.7	1342.8	1336.4	1336.4	1336.4	1330.0
22.5°	1333.9	1330.0	1333.9	1336.4	1336.4	1335.1	1323.6	1314.6	1312.1	1312.1	1304.3
25°	1301.8	1297.9	1301.8	1301.8	1300.5	1301.8	1297.9	1292.8	1288.9	1285.1	1277.4
27.5°	1271.0	1268.5	1271.0	1268.5	1271.0	1267.1	1265.9	1264.6	1259.5	1255.6	1245.3
30°	1240.2	1237.7	1240.2	1237.7	1235.1	1232.5	1226.1	1223.5	1228.7	1226.1	1209.5
32.5°	1201.7	1199.2	1201.7	1201.7	1199.2	1199.2	1188.9	1185.1	1186.3	1194.1	1178.7
35°	1162.0	1158.1	1162.0	1160.7	1162.0	1158.1	1151.7	1150.5	1145.3	1154.3	1142.7
37.5°	1115.8	1112.0	1115.8	1115.8	1115.8	1118.4	1113.3	1109.4	1101.7	1113.3	1104.3
40°	1068.4	1063.2	1068.4	1067.1	1068.4	1070.9	1068.4	1065.8	1058.1	1067.1	1059.4
42.5°	1014.5	1013.2	1014.5	1015.8	1015.8	1020.9	1024.8	1019.6	1017.1	1010.6	1015.8
45°	956.8	954.2	956.8	959.3	960.6	963.2	974.7	974.7	970.9	960.6	968.3
47.5°	895.2	888.8	895.2	902.9	902.9	906.8	918.3	927.3	920.9	908.0	911.9
50°	829.8	831.1	829.8	834.9	834.9	849.0	858.0	867.0	873.4	858.0	840.1
52.5°	765.7	764.4	765.7	769.5	774.6	781.1	796.5	805.4	815.7	806.7	778.5
55°	701.6	704.1	701.6	702.8	705.4	709.2	732.3	741.3	760.6	749.0	719.5
57.5°	637.4	633.6	637.4	640.0	641.3	645.1	664.4	681.0	692.6	693.8	658.0
60°	563.0	557.9	563.0	574.6	577.2	579.7	597.6	613.0	623.3	627.2	590.0
62.5°	497.6	488.6	497.6	505.3	510.4	516.8	529.7	552.8	561.8	563.0	510.4
65°	428.4	424.5	428.4	443.8	445.0	452.8	466.8	483.5	502.8	500.2	424.5
67.5°	365.6	365.6	365.6	375.8	383.5	387.4	405.3	413.0	437.4	439.9	354.0
70°	307.8	306.6	307.8	315.5	320.6	329.6	346.3	355.2	374.5	380.9	287.3
72.5°	252.6	251.4	252.6	259.0	264.2	271.9	286.0	296.2	313.0	320.6	223.2
75°	204.0	201.4	204.0	209.0	207.8	218.0	229.6	239.8	255.2	260.4	165.4
77.5°	156.4	156.4	156.4	161.6	161.6	171.8	177.0	189.8	198.8	206.5	121.8
80°	116.8	115.4	116.8	118.0	118.0	123.2	132.1	141.0	148.8	148.8	83.4
82.5°	82.0	79.6	82.0	82.0	82.0	84.6	89.8	92.4	97.4	101.4	52.6
85°	51.3	51.3	51.3	52.6	51.3	53.8	55.2	57.8	57.8	55.2	32.0
87.5°	33.4	32.0	33.4	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	40.3	53.7	60.4	51.9	35.0	22.3
92.5°	121.1	97.1	121.1	145.2	151.2	214.3	298.3	340.4	298.9	215.8	153.6
95°	422.1	349.2	422.1	494.9	513.1	673.7	888.0	995.1	840.4	531.1	299.1
97.5°	1011.2	872.6	1011.2	1149.8	1184.4	1286.0	1421.4	1489.1	1231.2	715.4	328.5
100°	1457.0	1291.8	1457.0	1622.0	1663.3	1655.8	1646.0	1641.0	1354.8	782.5	353.2
102.5°	1895.4	1753.9	1895.4	2036.8	2072.2	1942.8	1770.2	1684.0	1393.7	813.1	377.8
105°	2454.4	2378.3	2454.4	2530.4	2549.4	2259.3	1872.5	1679.2	1398.1	836.0	414.4
107.5°	2820.6	2838.9	2820.6	2802.1	2797.5	2393.0	1853.5	1583.7	1335.9	840.3	468.5
110°	2960.2	3039.4	2960.2	2881.0	2861.2	2408.8	1805.8	1504.2	1280.7	833.9	498.8





TEST NUMBER: P935048

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2972.6	3094.2	2972.6	2851.1	2820.7	2357.7	1740.5	1431.8	1232.6	834.2	535.4
115°	2893.8	3062.5	2893.8	2725.2	2683.1	2237.1	1642.5	1345.1	1177.4	841.8	590.3
117.5°	2726.7	2913.7	2726.7	2539.6	2492.9	2090.4	1553.7	1285.4	1142.7	857.5	643.5
120°	2592.0	2773.7	2592.0	2410.3	2364.9	1997.1	1506.8	1261.6	1131.2	870.2	674.5
122.5°	2460.9	2640.0	2460.9	2281.7	2236.8	1905.6	1464.0	1243.2	1125.0	888.5	711.1
125°	2273.7	2438.9	2273.7	2108.7	2067.4	1786.1	1411.0	1223.4	1120.0	913.2	758.1
127.5°	2105.4	2244.8	2105.4	1966.1	1931.3	1689.8	1367.7	1206.7	1117.1	937.8	803.4
130°	2006.3	2135.0	2006.3	1877.6	1845.5	1630.4	1343.6	1200.3	1118.8	955.8	833.6
132.5°	1916.3	2031.5	1916.3	1801.0	1772.2	1579.7	1323.1	1194.8	1120.0	970.4	858.3
135°	1793.1	1892.4	1793.1	1693.7	1668.8	1507.6	1292.7	1185.2	1118.9	986.4	887.0
137.5°	1694.1	1775.5	1694.1	1612.8	1592.4	1456.2	1274.4	1183.6	1125.8	1010.2	923.5
140°	1626.2	1702.2	1626.2	1550.3	1531.2	1413.5	1256.5	1178.0	1127.0	1024.8	948.2
142.5°	1570.1	1635.5	1570.1	1504.7	1488.3	1384.9	1247.0	1178.0	1131.0	1037.0	966.4
145°	1485.7	1535.2	1485.7	1436.2	1423.9	1339.2	1226.5	1170.1	1131.1	1053.0	994.3
147.5°	1421.0	1462.0	1421.0	1380.0	1369.7	1303.2	1214.5	1170.1	1138.8	1076.3	1029.3
150°	1380.3	1413.5	1380.3	1347.1	1338.8	1282.5	1207.6	1170.1	1142.8	1088.4	1047.6
152.5°	1345.5	1370.5	1345.5	1320.4	1314.1	1266.1	1202.1	1170.1	1145.5	1096.4	1059.6
155°	1305.4	1322.0	1305.4	1288.8	1284.6	1246.5	1195.5	1170.1	1151.4	1113.9	1085.8
157.5°	1273.7	1285.4	1273.7	1262.1	1259.2	1229.5	1189.9	1170.1	1157.2	1131.4	1112.1
160°	1254.9	1261.6	1254.9	1248.2	1246.5	1221.1	1187.1	1170.1	1159.9	1139.4	1124.0
162.5°	1242.5	1248.9	1242.5	1236.2	1234.5	1213.0	1184.4	1170.1	1162.6	1147.8	1136.7
165°	1224.7	1231.4	1224.7	1218.0	1216.3	1200.9	1180.3	1170.1	1166.7	1160.1	1155.0
167.5°	1211.8	1214.7	1211.8	1208.9	1208.2	1198.2	1184.7	1178.0	1175.2	1169.5	1165.3
170°	1208.2	1208.2	1208.2	1208.2	1208.2	1198.2	1184.7	1178.0	1177.8	1177.6	1177.3
172.5°	1198.9	1196.4	1198.9	1201.4	1201.9	1194.0	1183.4	1178.0	1178.0	1178.0	1178.0
175°	1193.1	1193.1	1193.1	1193.1	1193.1	1188.1	1181.4	1178.0	1179.7	1182.8	1185.2
177.5°	1188.1	1185.2	1188.1	1190.9	1191.6	1187.6	1182.3	1179.7	1180.9	1183.4	1185.2
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935048

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1374.9	1367.2	1367.2	1354.4	1349.3	1345.4	1339.0	1319.7	1314.6	1309.5	1317.2
5°	1386.5	1372.3	1362.1	1339.0	1319.7	1312.1	1287.7	1241.5	1210.7	1187.6	1174.8
7.5°	1389.0	1371.1	1351.8	1315.9	1269.7	1249.2	1174.8	1090.2	1067.1	1046.6	1033.7
10°	1386.5	1365.9	1339.0	1285.1	1176.1	1140.2	1065.8	1010.6	996.5	992.7	996.5
12.5°	1377.5	1358.2	1321.0	1231.3	1078.6	1054.3	1010.6	978.6	976.0	982.4	1017.1
15°	1362.1	1344.1	1300.5	1159.4	1024.8	1006.8	976.0	964.5	978.6	1023.5	1127.4
17.5°	1346.7	1326.1	1272.3	1088.9	983.7	970.9	949.1	972.2	1051.7	1112.0	1146.6
20°	1326.1	1301.8	1240.2	1037.6	954.2	942.7	932.4	1036.3	1096.6	1118.4	1137.6
22.5°	1301.8	1276.1	1196.6	1001.7	923.4	914.5	920.9	1072.2	1096.6	1112.0	1128.6
25°	1269.7	1247.9	1145.3	973.5	899.1	888.8	913.2	1068.4	1082.5	1086.3	1119.7
27.5°	1240.2	1212.0	1091.5	947.8	869.6	865.7	919.6	1051.7	1061.9	1065.8	1101.7
30°	1204.3	1162.0	1031.2	920.9	838.8	837.5	920.9	1031.2	1028.6	1038.9	1074.8
32.5°	1167.1	1087.6	963.2	887.5	809.3	808.0	911.9	1000.4	997.8	1011.9	1038.9
35°	1132.5	1029.9	870.8	849.0	772.1	773.4	890.1	964.5	965.8	978.6	995.3
37.5°	1096.6	979.9	769.5	806.7	736.2	736.2	860.6	931.1	928.6	932.4	955.5
40°	1054.3	901.6	679.8	751.6	702.8	699.0	824.7	895.2	886.2	885.0	917.0
42.5°	1009.4	815.7	613.0	678.5	664.4	659.2	781.1	851.6	834.9	838.8	879.8
45°	960.6	792.6	561.8	573.3	624.6	620.8	733.6	801.6	790.0	800.3	842.6
47.5°	911.9	746.4	545.1	475.8	582.3	581.0	681.0	752.8	746.4	756.7	801.6
50°	845.2	695.2	543.8	407.8	534.8	540.0	618.2	705.4	705.4	714.4	761.8
52.5°	759.3	632.3	493.8	369.4	479.6	495.0	563.0	664.4	666.9	675.9	718.2
55°	681.0	566.9	457.8	339.8	414.2	447.6	509.2	622.0	627.2	636.2	674.6
57.5°	609.2	472.0	450.2	305.2	354.0	386.0	461.7	581.0	583.6	591.2	628.4
60°	532.2	341.2	413.0	268.0	301.4	325.8	418.1	532.2	541.2	546.4	578.4
62.5°	445.0	247.6	374.5	242.4	275.8	280.8	382.2	486.1	497.6	501.5	520.7
65°	316.8	207.8	318.0	220.6	248.8	250.1	343.8	438.6	448.9	455.3	469.4
67.5°	214.2	169.3	242.4	200.0	228.3	229.6	306.6	383.5	397.6	402.7	411.7
70°	148.8	112.8	179.6	178.2	205.2	207.8	266.8	333.4	346.3	350.2	355.2
72.5°	109.0	91.0	148.8	160.4	180.8	183.4	225.8	277.0	289.8	293.7	296.2
75°	83.4	96.2	120.6	139.8	153.9	155.2	184.6	225.8	234.7	237.2	238.6
77.5°	66.6	89.8	88.5	112.8	125.6	123.2	145.0	174.4	182.2	182.2	182.2
80°	50.0	70.6	66.6	80.8	92.4	89.8	103.8	124.4	127.0	129.6	128.2
82.5°	37.2	44.8	44.8	51.3	61.6	59.0	69.2	80.8	80.8	80.8	83.4
85°	23.0	25.6	20.6	27.0	34.6	33.4	38.4	43.6	44.8	44.8	42.4
87.5°	14.2	11.6	6.4	10.2	15.4	15.4	18.0	19.2	18.0	18.0	18.0
90°	20.7	14.3	7.9	14.3	20.7	22.3	35.0	51.9	60.4	53.7	40.3
92.5°	140.1	86.0	31.8	86.0	140.1	153.6	215.8	298.9	340.4	298.3	214.3
95°	274.3	175.4	76.4	175.4	274.3	299.1	531.1	840.4	995.1	888.0	673.7
97.5°	306.7	219.4	132.1	219.4	306.7	328.5	715.4	1231.2	1489.1	1421.4	1286.0
100°	333.4	254.2	175.0	254.2	333.4	353.2	782.5	1354.8	1641.0	1646.0	1655.8
102.5°	359.3	285.4	211.6	285.4	359.3	377.8	813.1	1393.7	1684.0	1770.2	1942.8
105°	398.7	336.2	273.7	336.2	398.7	414.4	836.0	1398.1	1679.2	1872.5	2259.3
107.5°	453.9	395.6	337.2	395.6	453.9	468.5	840.3	1335.9	1583.7	1853.5	2393.0
110°	485.6	432.9	380.2	432.9	485.6	498.8	833.9	1280.7	1504.2	1805.8	2408.8



TEST NUMBER: P935048

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.8	472.6	422.4	472.6	522.8	535.4	834.2	1232.6	1431.8	1740.5	2357.7
115°	578.7	532.3	486.0	532.3	578.7	590.3	841.8	1177.4	1345.1	1642.5	2237.1
117.5°	633.0	590.9	548.9	590.9	633.0	643.5	857.5	1142.7	1285.4	1553.7	2090.4
120°	664.6	625.1	585.5	625.1	664.6	674.5	870.2	1131.2	1261.6	1506.8	1997.1
122.5°	701.2	661.2	621.2	661.2	701.2	711.1	888.5	1125.0	1243.2	1464.0	1905.6
125°	749.0	712.6	676.1	712.6	749.0	758.1	913.2	1120.0	1223.4	1411.0	1786.1
127.5°	794.2	757.4	720.7	757.4	794.2	803.4	937.8	1117.1	1206.7	1367.7	1689.8
130°	823.7	784.1	744.5	784.1	823.7	833.6	955.8	1118.8	1200.3	1343.6	1630.4
132.5°	848.3	808.7	769.2	808.7	848.3	858.3	970.4	1120.0	1194.8	1323.1	1579.7
135°	878.0	841.8	805.8	841.8	878.0	887.0	986.4	1118.9	1185.2	1292.7	1507.6
137.5°	914.6	878.8	843.2	878.8	914.6	923.5	1010.2	1125.8	1183.6	1274.4	1456.2
140°	939.9	907.0	874.2	907.0	939.9	948.2	1024.8	1127.0	1178.0	1256.5	1413.5
142.5°	958.9	928.5	898.1	928.5	958.9	966.4	1037.0	1131.0	1178.0	1247.0	1384.9
145°	987.7	961.2	934.7	961.2	987.7	994.3	1053.0	1131.1	1170.1	1226.5	1339.2
147.5°	1022.8	997.0	971.2	997.0	1022.8	1029.3	1076.3	1138.8	1170.1	1214.5	1303.2
150°	1041.8	1018.4	995.1	1018.4	1041.8	1047.6	1088.4	1142.8	1170.1	1207.6	1282.5
152.5°	1055.2	1037.5	1019.8	1037.5	1055.2	1059.6	1096.4	1145.5	1170.1	1202.1	1266.1
155°	1082.5	1069.4	1056.3	1069.4	1082.5	1085.8	1113.9	1151.4	1170.1	1195.5	1246.5
157.5°	1108.9	1096.1	1083.4	1096.1	1108.9	1112.1	1131.4	1157.2	1170.1	1189.9	1229.5
160°	1121.5	1111.7	1101.7	1111.7	1121.5	1124.0	1139.4	1159.9	1170.1	1187.1	1221.1
162.5°	1134.9	1127.4	1120.0	1127.4	1134.9	1136.7	1147.8	1162.6	1170.1	1184.4	1213.0
165°	1153.3	1146.6	1139.9	1146.6	1153.3	1155.0	1160.1	1166.7	1170.1	1180.3	1200.9
167.5°	1164.5	1161.3	1158.1	1161.3	1164.5	1165.3	1169.5	1175.2	1178.0	1184.7	1198.2
170°	1176.5	1173.2	1170.1	1173.2	1176.5	1177.3	1177.6	1177.8	1178.0	1184.7	1198.2
172.5°	1177.8	1177.2	1176.5	1177.2	1177.8	1178.0	1178.0	1178.0	1178.0	1183.4	1194.0
175°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1182.8	1179.7	1178.0	1181.4	1188.1
177.5°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1183.4	1180.9	1179.7	1182.3	1187.6
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935048

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1308.2	1304.3	1309.5	1295.4	1309.5	1304.3	1308.2	1317.2	1309.5	1314.6	1319.7
5°	1147.9	1141.5	1120.9	1104.3	1120.9	1141.5	1147.9	1174.8	1187.6	1210.7	1241.5
7.5°	1026.0	1020.9	1015.8	1005.5	1015.8	1020.9	1026.0	1033.7	1046.6	1067.1	1090.2
10°	999.1	1000.4	1008.1	1006.8	1008.1	1000.4	999.1	996.5	992.7	996.5	1010.6
12.5°	1068.4	1079.9	1122.2	1119.7	1122.2	1079.9	1068.4	1017.1	982.4	976.0	978.6
15°	1147.9	1151.7	1160.7	1162.0	1160.7	1151.7	1147.9	1127.4	1023.5	978.6	964.5
17.5°	1155.6	1156.9	1163.3	1163.3	1163.3	1156.9	1155.6	1146.6	1112.0	1051.7	972.2
20°	1149.2	1151.7	1164.5	1167.1	1164.5	1151.7	1149.2	1137.6	1118.4	1096.6	1036.3
22.5°	1146.6	1151.7	1162.0	1160.7	1162.0	1151.7	1146.6	1128.6	1112.0	1096.6	1072.2
25°	1133.8	1133.8	1135.1	1136.3	1135.1	1133.8	1133.8	1119.7	1086.3	1082.5	1068.4
27.5°	1106.8	1109.4	1117.1	1115.8	1117.1	1109.4	1106.8	1101.7	1065.8	1061.9	1051.7
30°	1082.5	1079.9	1073.5	1068.4	1073.5	1079.9	1082.5	1074.8	1038.9	1028.6	1031.2
32.5°	1041.4	1035.0	1028.6	1024.8	1028.6	1035.0	1041.4	1038.9	1011.9	997.8	1000.4
35°	992.7	994.0	992.7	988.8	992.7	994.0	992.7	995.3	978.6	965.8	964.5
37.5°	958.1	960.6	959.3	954.2	959.3	960.6	958.1	955.5	932.4	928.6	931.1
40°	922.2	923.4	922.2	918.3	922.2	923.4	922.2	917.0	885.0	886.2	895.2
42.5°	887.5	886.2	882.4	879.8	882.4	886.2	887.5	879.8	838.8	834.9	851.6
45°	847.8	849.0	841.4	837.5	841.4	849.0	847.8	842.6	800.3	790.0	801.6
47.5°	808.0	808.0	801.6	797.8	801.6	808.0	808.0	801.6	756.7	746.4	752.8
50°	765.7	764.4	755.4	754.1	755.4	764.4	765.7	761.8	714.4	705.4	705.4
52.5°	717.0	717.0	718.2	720.8	718.2	717.0	717.0	718.2	675.9	666.9	664.4
55°	674.6	675.9	684.9	687.4	684.9	675.9	674.6	674.6	636.2	627.2	622.0
57.5°	631.0	631.0	637.4	637.4	637.4	631.0	631.0	628.4	591.2	583.6	581.0
60°	581.0	583.6	588.7	587.4	588.7	583.6	581.0	578.4	546.4	541.2	532.2
62.5°	528.4	531.0	532.2	529.7	532.2	531.0	528.4	520.7	501.5	497.6	486.1
65°	473.2	475.8	477.1	474.6	477.1	475.8	473.2	469.4	455.3	448.9	438.6
67.5°	416.8	415.6	414.2	419.4	414.2	415.6	416.8	411.7	402.7	397.6	383.5
70°	359.1	359.1	357.8	360.4	357.8	359.1	359.1	355.2	350.2	346.3	333.4
72.5°	297.6	296.2	301.4	297.6	301.4	296.2	297.6	296.2	293.7	289.8	277.0
75°	237.2	239.8	237.2	241.2	237.2	239.8	237.2	238.6	237.2	234.7	225.8
77.5°	180.8	183.4	180.8	180.8	180.8	183.4	180.8	182.2	182.2	182.2	174.4
80°	128.2	127.0	127.0	125.6	127.0	127.0	128.2	128.2	129.6	127.0	124.4
82.5°	82.0	80.8	80.8	83.4	80.8	80.8	82.0	83.4	80.8	80.8	80.8
85°	44.8	46.2	43.6	43.6	43.6	46.2	44.8	42.4	44.8	44.8	43.6
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	40.3	53.7	60.4	51.9
92.5°	151.2	145.2	121.1	97.1	121.1	145.2	151.2	214.3	298.3	340.4	298.9
95°	513.1	494.9	422.1	349.2	422.1	494.9	513.1	673.7	888.0	995.1	840.4
97.5°	1184.4	1149.8	1011.2	872.6	1011.2	1149.8	1184.4	1286.0	1421.4	1489.1	1231.2
100°	1663.3	1622.0	1457.0	1291.8	1457.0	1622.0	1663.3	1655.8	1646.0	1641.0	1354.8
102.5°	2072.2	2036.8	1895.4	1753.9	1895.4	2036.8	2072.2	1942.8	1770.2	1684.0	1393.7
105°	2549.4	2530.4	2454.4	2378.3	2454.4	2530.4	2549.4	2259.3	1872.5	1679.2	1398.1
107.5°	2797.5	2802.1	2820.6	2838.9	2820.6	2802.1	2797.5	2393.0	1853.5	1583.7	1335.9
110°	2861.2	2881.0	2960.2	3039.4	2960.2	2881.0	2861.2	2408.8	1805.8	1504.2	1280.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2820.7	2851.1	2972.6	3094.2	2972.6	2851.1	2820.7	2357.7	1740.5	1431.8	1232.6
115°	2683.1	2725.2	2893.8	3062.5	2893.8	2725.2	2683.1	2237.1	1642.5	1345.1	1177.4
117.5°	2492.9	2539.6	2726.7	2913.7	2726.7	2539.6	2492.9	2090.4	1553.7	1285.4	1142.7
120°	2364.9	2410.3	2592.0	2773.7	2592.0	2410.3	2364.9	1997.1	1506.8	1261.6	1131.2
122.5°	2236.8	2281.7	2460.9	2640.0	2460.9	2281.7	2236.8	1905.6	1464.0	1243.2	1125.0
125°	2067.4	2108.7	2273.7	2438.9	2273.7	2108.7	2067.4	1786.1	1411.0	1223.4	1120.0
127.5°	1931.3	1966.1	2105.4	2244.8	2105.4	1966.1	1931.3	1689.8	1367.7	1206.7	1117.1
130°	1845.5	1877.6	2006.3	2135.0	2006.3	1877.6	1845.5	1630.4	1343.6	1200.3	1118.8
132.5°	1772.2	1801.0	1916.3	2031.5	1916.3	1801.0	1772.2	1579.7	1323.1	1194.8	1120.0
135°	1668.8	1693.7	1793.1	1892.4	1793.1	1693.7	1668.8	1507.6	1292.7	1185.2	1118.9
137.5°	1592.4	1612.8	1694.1	1775.5	1694.1	1612.8	1592.4	1456.2	1274.4	1183.6	1125.8
140°	1531.2	1550.3	1626.2	1702.2	1626.2	1550.3	1531.2	1413.5	1256.5	1178.0	1127.0
142.5°	1488.3	1504.7	1570.1	1635.5	1570.1	1504.7	1488.3	1384.9	1247.0	1178.0	1131.0
145°	1423.9	1436.2	1485.7	1535.2	1485.7	1436.2	1423.9	1339.2	1226.5	1170.1	1131.1
147.5°	1369.7	1380.0	1421.0	1462.0	1421.0	1380.0	1369.7	1303.2	1214.5	1170.1	1138.8
150°	1338.8	1347.1	1380.3	1413.5	1380.3	1347.1	1338.8	1282.5	1207.6	1170.1	1142.8
152.5°	1314.1	1320.4	1345.5	1370.5	1345.5	1320.4	1314.1	1266.1	1202.1	1170.1	1145.5
155°	1284.6	1288.8	1305.4	1322.0	1305.4	1288.8	1284.6	1246.5	1195.5	1170.1	1151.4
157.5°	1259.2	1262.1	1273.7	1285.4	1273.7	1262.1	1259.2	1229.5	1189.9	1170.1	1157.2
160°	1246.5	1248.2	1254.9	1261.6	1254.9	1248.2	1246.5	1221.1	1187.1	1170.1	1159.9
162.5°	1234.5	1236.2	1242.5	1248.9	1242.5	1236.2	1234.5	1213.0	1184.4	1170.1	1162.6
165°	1216.3	1218.0	1224.7	1231.4	1224.7	1218.0	1216.3	1200.9	1180.3	1170.1	1166.7
167.5°	1208.2	1208.9	1211.8	1214.7	1211.8	1208.9	1208.2	1198.2	1184.7	1178.0	1175.2
170°	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1198.2	1184.7	1178.0	1177.8
172.5°	1201.9	1201.4	1198.9	1196.4	1198.9	1201.4	1201.9	1194.0	1183.4	1178.0	1178.0
175°	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1188.1	1181.4	1178.0	1179.7
177.5°	1191.6	1190.9	1188.1	1185.2	1188.1	1190.9	1191.6	1187.6	1182.3	1179.7	1180.9
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1339.0	1345.4	1349.3	1354.4	1367.2
5°	1287.7	1312.1	1319.7	1339.0	1362.1
7.5°	1174.8	1249.2	1269.7	1315.9	1351.8
10°	1065.8	1140.2	1176.1	1285.1	1339.0
12.5°	1010.6	1054.3	1078.6	1231.3	1321.0
15°	976.0	1006.8	1024.8	1159.4	1300.5
17.5°	949.1	970.9	983.7	1088.9	1272.3
20°	932.4	942.7	954.2	1037.6	1240.2
22.5°	920.9	914.5	923.4	1001.7	1196.6
25°	913.2	888.8	899.1	973.5	1145.3
27.5°	919.6	865.7	869.6	947.8	1091.5
30°	920.9	837.5	838.8	920.9	1031.2
32.5°	911.9	808.0	809.3	887.5	963.2
35°	890.1	773.4	772.1	849.0	870.8
37.5°	860.6	736.2	736.2	806.7	769.5
40°	824.7	699.0	702.8	751.6	679.8
42.5°	781.1	659.2	664.4	678.5	613.0
45°	733.6	620.8	624.6	573.3	561.8
47.5°	681.0	581.0	582.3	475.8	545.1
50°	618.2	540.0	534.8	407.8	543.8
52.5°	563.0	495.0	479.6	369.4	493.8
55°	509.2	447.6	414.2	339.8	457.8
57.5°	461.7	386.0	354.0	305.2	450.2
60°	418.1	325.8	301.4	268.0	413.0
62.5°	382.2	280.8	275.8	242.4	374.5
65°	343.8	250.1	248.8	220.6	318.0
67.5°	306.6	229.6	228.3	200.0	242.4
70°	266.8	207.8	205.2	178.2	179.6
72.5°	225.8	183.4	180.8	160.4	148.8
75°	184.6	155.2	153.9	139.8	120.6
77.5°	145.0	123.2	125.6	112.8	88.5
80°	103.8	89.8	92.4	80.8	66.6
82.5°	69.2	59.0	61.6	51.3	44.8
85°	38.4	33.4	34.6	27.0	20.6
87.5°	18.0	15.4	15.4	10.2	6.4
90°	35.0	22.3	20.7	14.3	7.9
92.5°	215.8	153.6	140.1	86.0	31.8
95°	531.1	299.1	274.3	175.4	76.4
97.5°	715.4	328.5	306.7	219.4	132.1
100°	782.5	353.2	333.4	254.2	175.0
102.5°	813.1	377.8	359.3	285.4	211.6
105°	836.0	414.4	398.7	336.2	273.7
107.5°	840.3	468.5	453.9	395.6	337.2
110°	833.9	498.8	485.6	432.9	380.2



TEST NUMBER: P935048

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	834.2	535.4	522.8	472.6	422.4
115°	841.8	590.3	578.7	532.3	486.0
117.5°	857.5	643.5	633.0	590.9	548.9
120°	870.2	674.5	664.6	625.1	585.5
122.5°	888.5	711.1	701.2	661.2	621.2
125°	913.2	758.1	749.0	712.6	676.1
127.5°	937.8	803.4	794.2	757.4	720.7
130°	955.8	833.6	823.7	784.1	744.5
132.5°	970.4	858.3	848.3	808.7	769.2
135°	986.4	887.0	878.0	841.8	805.8
137.5°	1010.2	923.5	914.6	878.8	843.2
140°	1024.8	948.2	939.9	907.0	874.2
142.5°	1037.0	966.4	958.9	928.5	898.1
145°	1053.0	994.3	987.7	961.2	934.7
147.5°	1076.3	1029.3	1022.8	997.0	971.2
150°	1088.4	1047.6	1041.8	1018.4	995.1
152.5°	1096.4	1059.6	1055.2	1037.5	1019.8
155°	1113.9	1085.8	1082.5	1069.4	1056.3
157.5°	1131.4	1112.1	1108.9	1096.1	1083.4
160°	1139.4	1124.0	1121.5	1111.7	1101.7
162.5°	1147.8	1136.7	1134.9	1127.4	1120.0
165°	1160.1	1155.0	1153.3	1146.6	1139.9
167.5°	1169.5	1165.3	1164.5	1161.3	1158.1
170°	1177.6	1177.3	1176.5	1173.2	1170.1
172.5°	1178.0	1178.0	1177.8	1177.2	1176.5
175°	1182.8	1185.2	1185.2	1185.2	1185.2
177.5°	1183.4	1185.2	1185.2	1185.2	1185.2
180°	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935048

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-6500K

**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	9.89	10.27	10.99	12.50	12.01	12.73	13.11	13.82	15.34
	3H	9.64	10.28	10.75	11.39	12.92	13.35	13.99	14.46	15.09	16.63
	4H	9.82	10.43	10.94	11.54	13.07	13.79	14.39	14.91	15.50	17.04
	6H	9.93	10.49	11.06	11.60	13.15	14.06	14.62	15.19	15.74	17.28
	8H	9.93	10.46	11.06	11.59	13.13	14.14	14.67	15.27	15.79	17.34
	12H	9.90	10.40	11.03	11.52	13.09	14.17	14.68	15.31	15.80	17.36
4H	2H	10.19	10.80	11.32	11.90	13.44	12.40	13.01	13.53	14.12	15.65
	3H	11.20	11.71	12.34	12.84	14.39	13.90	14.40	15.03	15.54	17.09
	4H	11.47	11.94	12.61	13.06	14.63	14.42	14.88	15.56	16.01	17.58
	6H	11.59	11.99	12.73	13.13	14.69	14.78	15.18	15.92	16.32	17.88
	8H	11.59	11.96	12.73	13.10	14.68	14.88	15.25	16.03	16.39	17.97
	12H	11.55	11.89	12.71	13.04	14.62	14.93	15.27	16.09	16.42	18.00
8H	4H	11.91	12.29	13.06	13.43	15.00	14.53	14.90	15.67	16.04	17.62
	6H	12.17	12.48	13.33	13.66	15.23	14.96	15.27	16.13	16.45	18.02
	8H	12.21	12.48	13.38	13.64	15.23	15.12	15.38	16.29	16.54	18.14
	12H	12.19	12.42	13.36	13.58	15.21	15.21	15.44	16.38	16.60	18.23
12H	4H	11.91	12.25	13.07	13.40	14.98	14.49	14.83	15.65	15.98	17.56
	6H	12.23	12.50	13.40	13.66	15.25	14.96	15.23	16.13	16.39	17.98
	8H	12.29	12.53	13.46	13.68	15.31	15.11	15.35	16.29	16.51	18.14