

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: P935067

Luminaire Tested: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935067
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-93050-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

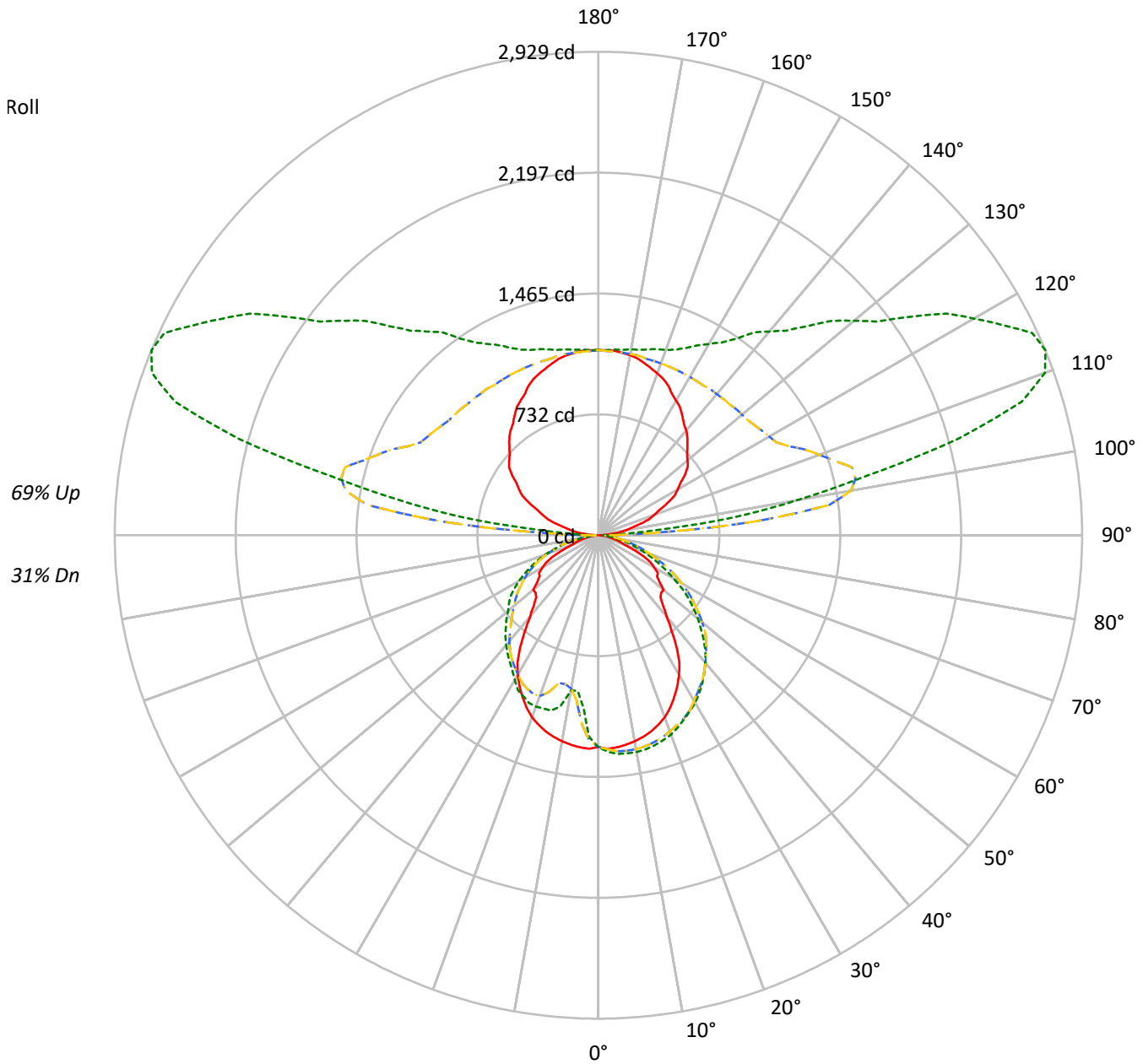
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10604.9 lumens
Efficiency: N/A
Efficacy: 128.7 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: P935067
CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-4000K

Luminous Intensity Polar Plot



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

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5954	5954	5954	5954
5°	5999	6010	5999	4726
10°	5958	5921	5958	4232
15°	5894	5792	5894	4837
20°	5770	5640	5770	4847
25°	5518	5419	5518	4744
30°	5192	5235	5192	4518
35°	4628	5002	4628	4270
40°	3857	4727	3857	4083
45°	3446	4407	3446	3868
50°	3661	4025	3661	3652
55°	3444	3613	3444	3527
60°	3550	3069	3550	3230
65°	3219	2536	3219	2835
70°	2230	2021	2230	2377
75°	1954	1494	1954	1790
80°	1574	988	1574	1075
85°	908	524	908	445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5281 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	1.1
10°-20°	328.9	3.1
20°-30°	508.4	4.8
30°-40°	606.9	5.7
40°-50°	610.5	5.8
50°-60°	531.2	5.0
60°-70°	376.6	3.6
70°-80°	199.3	1.9
80°-90°	53.9	0.5
90°-100°	546.9	5.2
100°-110°	1437.8	13.6
110°-120°	1490.9	14.1
120°-130°	1195.9	11.3
130°-140°	938.3	8.8
140°-150°	720.2	6.8
150°-160°	518.7	4.9
160°-170°	317.4	3.0
170°-180°	107.2	1.0
0°-30°	953.2	9.0
0°-40°	1560.1	14.7
0°-60°	2701.8	25.5
0°-90°	3331.7	31.4
90°-120°	3475.6	32.8
90°-150°	6330.0	59.7
90°-180°	7273.0	68.6
0°-180°	10604.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1283	1283	1283	1283	1283	
5°	1289	1329	1289	1045	1289	122
15°	1231	1317	1231	1100	1231	346
25°	1084	1229	1084	1076	1084	498
35°	824	1096	824	936	824	510
45°	532	903	532	793	532	426
55°	433	667	433	651	433	398
65°	301	402	301	449	301	288
75°	114	191	114	228	114	120
85°	20	49	20	41	20	26
90°	8	29	8	29	8	7
95°	72	331	72	331	72	80
105°	259	2251	259	2251	259	275
115°	460	2899	460	2899	460	454
125°	640	2309	640	2309	640	568
135°	763	1791	763	1791	763	590
145°	885	1453	885	1453	885	554
155°	1000	1252	1000	1252	1000	459
165°	1079	1166	1079	1166	1079	305
175°	1122	1130	1122	1130	1122	107
180°	1122	1122	1122	1122	1122	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1294.2	1294.2	1301.5	1304.0	1304.0	1300.3	1296.6	1300.3	1311.2	1314.8	1313.7
5°	1289.4	1299.1	1312.5	1314.8	1317.3	1316.1	1313.7	1316.1	1328.2	1330.7	1331.9
7.5°	1279.6	1297.9	1314.8	1318.5	1322.2	1318.5	1317.3	1319.7	1331.9	1334.3	1334.3
10°	1267.5	1293.0	1312.5	1314.8	1318.5	1314.8	1314.8	1319.7	1331.9	1334.3	1335.5
12.5°	1250.5	1285.7	1304.0	1306.3	1311.2	1310.0	1308.8	1313.7	1325.8	1328.2	1328.2
15°	1231.1	1272.4	1289.4	1291.8	1300.3	1297.9	1297.9	1302.7	1316.1	1319.7	1318.5
17.5°	1204.4	1255.4	1274.8	1278.4	1284.5	1283.3	1284.5	1289.4	1301.5	1304.0	1305.2
20°	1174.0	1232.3	1255.4	1259.0	1265.1	1265.1	1265.1	1271.1	1283.3	1288.1	1288.1
22.5°	1132.7	1208.0	1232.3	1234.7	1242.1	1242.1	1244.4	1252.9	1263.9	1265.1	1265.1
25°	1084.2	1181.3	1202.0	1209.2	1216.5	1220.2	1223.8	1228.7	1232.3	1231.1	1232.3
27.5°	1033.2	1147.3	1174.0	1178.9	1188.6	1192.3	1197.1	1198.3	1199.5	1203.1	1200.8
30°	976.1	1100.0	1140.1	1144.9	1160.7	1163.1	1158.2	1160.7	1166.8	1169.2	1171.6
32.5°	911.8	1029.5	1104.8	1115.8	1130.4	1123.0	1121.9	1125.5	1135.2	1135.2	1137.6
35°	824.3	974.9	1072.1	1081.8	1092.7	1084.2	1089.1	1090.3	1096.3	1100.0	1098.8
37.5°	728.5	927.6	1038.0	1045.4	1053.9	1042.9	1050.2	1053.9	1058.7	1056.2	1056.2
40°	643.5	853.5	998.0	1002.8	1010.2	1001.7	1008.9	1011.3	1013.8	1011.3	1010.2
42.5°	580.3	772.2	955.5	961.6	956.7	962.8	965.2	970.1	966.4	961.6	961.6
45°	531.8	750.3	909.3	916.7	909.3	919.1	922.7	922.7	911.8	909.3	908.1
47.5°	516.0	706.6	863.3	863.3	859.5	871.8	877.8	869.3	858.4	854.7	854.7
50°	514.8	658.1	800.1	795.3	812.2	826.8	820.7	812.2	803.7	790.4	790.4
52.5°	467.4	598.6	718.8	737.0	763.7	772.2	762.4	754.0	739.4	733.3	728.5
55°	433.4	536.7	644.7	681.1	709.0	720.0	701.8	693.3	671.4	667.7	665.3
57.5°	426.1	446.8	576.7	622.8	656.8	655.6	644.7	628.9	610.7	607.1	605.8
60°	390.9	323.0	503.8	558.5	593.7	590.1	580.3	565.7	548.8	546.4	543.9
62.5°	354.6	234.3	421.3	483.2	533.0	531.8	523.3	501.5	489.2	483.2	478.4
65°	301.1	196.7	299.9	401.9	473.5	475.9	457.7	441.9	428.6	421.3	420.1
67.5°	229.5	160.3	202.8	335.1	416.5	414.0	390.9	383.7	366.7	363.1	355.7
70°	170.0	106.8	140.8	272.0	360.6	354.6	336.3	327.8	312.0	303.5	298.7
72.5°	140.8	86.2	103.2	211.3	303.5	296.3	280.4	270.7	257.4	250.1	245.2
75°	114.1	91.1	78.9	156.6	246.5	241.6	227.0	217.3	206.4	196.7	197.9
77.5°	83.8	85.0	63.1	115.3	195.5	188.2	179.7	167.5	162.7	153.0	153.0
80°	63.1	66.8	47.3	78.9	140.8	140.8	133.5	125.1	116.6	111.7	111.7
82.5°	42.5	42.5	35.2	49.8	95.9	92.2	87.4	85.0	80.1	77.7	77.7
85°	19.5	24.3	21.8	30.3	52.2	54.7	54.7	52.2	51.0	48.6	49.8
87.5°	6.1	11.0	13.4	17.0	26.7	28.0	29.1	29.1	29.1	30.3	30.3
90°	7.5	13.6	19.6	21.1	33.1	49.2	57.2	50.9	38.1	28.6	28.6
92.5°	30.1	81.4	132.6	145.4	204.3	283.0	322.2	282.4	202.8	143.1	137.4
95°	72.3	166.0	259.7	283.1	502.7	795.5	942.0	840.6	637.8	485.7	468.5
97.5°	125.0	207.6	290.4	311.0	677.2	1165.5	1409.6	1345.5	1217.4	1121.2	1088.5
100°	165.6	240.6	315.6	334.4	740.7	1282.5	1553.4	1558.1	1567.5	1574.5	1535.4
102.5°	200.3	270.2	340.2	357.6	769.7	1319.3	1594.1	1675.7	1839.1	1961.6	1928.1
105°	259.1	318.3	377.5	392.3	791.4	1323.5	1589.6	1772.6	2138.7	2413.3	2395.3
107.5°	319.3	374.5	429.7	443.5	795.5	1264.6	1499.2	1754.6	2265.3	2648.2	2652.6
110°	359.9	409.8	459.6	472.1	789.4	1212.4	1423.9	1709.4	2280.3	2708.5	2727.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	399.8	447.3	494.9	506.8	789.7	1166.8	1355.4	1647.6	2231.9	2670.1	2698.9
115°	460.1	503.9	547.8	558.8	796.9	1114.5	1273.3	1554.8	2117.7	2539.9	2579.8
117.5°	519.6	559.4	599.2	609.2	811.7	1081.8	1216.8	1470.8	1978.9	2359.8	2404.1
120°	554.2	591.7	629.2	638.5	823.8	1070.8	1194.3	1426.4	1890.5	2238.6	2281.6
122.5°	588.1	625.9	663.8	673.2	841.1	1064.9	1176.9	1385.9	1803.9	2117.4	2159.9
125°	640.0	674.5	709.0	717.6	864.4	1060.2	1158.1	1335.7	1690.8	1957.0	1996.2
127.5°	682.2	717.0	751.8	760.5	887.8	1057.5	1142.3	1294.7	1599.6	1828.2	1861.2
130°	704.8	742.2	779.7	789.1	904.8	1059.1	1136.2	1271.9	1543.4	1747.0	1777.4
132.5°	728.1	765.6	803.1	812.5	918.6	1060.2	1131.0	1252.5	1495.4	1677.6	1704.9
135°	762.8	796.9	831.1	839.6	933.8	1059.2	1121.9	1223.7	1427.2	1579.8	1603.3
137.5°	798.2	831.9	865.8	874.2	956.3	1065.7	1120.4	1206.4	1378.5	1507.5	1526.7
140°	827.5	858.6	889.8	897.6	970.1	1066.8	1115.2	1189.5	1338.1	1449.5	1467.5
142.5°	850.1	878.9	907.7	914.8	981.6	1070.6	1115.2	1180.4	1310.9	1408.9	1424.4
145°	884.8	909.9	935.0	941.3	996.8	1070.7	1107.6	1161.1	1267.8	1347.9	1359.6
147.5°	919.4	943.8	968.3	974.4	1018.8	1078.0	1107.6	1149.6	1233.6	1296.6	1306.3
150°	942.0	964.1	986.2	991.7	1030.3	1081.8	1107.6	1143.1	1214.1	1267.3	1275.2
152.5°	965.4	982.1	998.8	1003.0	1037.9	1084.4	1107.6	1138.0	1198.5	1244.0	1249.9
155°	999.9	1012.3	1024.7	1027.8	1054.4	1089.9	1107.6	1131.7	1180.0	1216.1	1220.0
157.5°	1025.5	1037.6	1049.7	1052.7	1071.0	1095.4	1107.6	1126.4	1163.9	1192.0	1194.7
160°	1042.9	1052.3	1061.7	1064.0	1078.6	1098.0	1107.6	1123.8	1155.9	1180.0	1181.6
162.5°	1060.2	1067.3	1074.3	1076.1	1086.6	1100.6	1107.6	1121.2	1148.3	1168.7	1170.2
165°	1079.0	1085.4	1091.7	1093.3	1098.1	1104.5	1107.6	1117.3	1136.8	1151.4	1153.0
167.5°	1096.3	1099.3	1102.4	1103.1	1107.1	1112.4	1115.2	1121.5	1134.3	1143.8	1144.4
170°	1107.6	1110.6	1113.7	1114.4	1114.7	1115.0	1115.2	1121.5	1134.3	1143.8	1143.8
172.5°	1113.7	1114.3	1115.0	1115.2	1115.2	1115.2	1115.2	1120.2	1130.3	1137.8	1137.2
175°	1121.9	1121.9	1121.9	1121.9	1119.7	1116.7	1115.2	1118.3	1124.7	1129.5	1129.5
177.5°	1121.9	1121.9	1121.9	1121.9	1120.2	1117.9	1116.7	1119.2	1124.2	1128.0	1127.4
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1316.1	1312.5	1316.1	1313.7	1314.8	1311.2	1300.3	1296.6	1300.3	1304.0	1304.0
5°	1331.9	1329.4	1331.9	1331.9	1330.7	1328.2	1316.1	1313.7	1316.1	1317.3	1314.8
7.5°	1336.7	1333.1	1336.7	1334.3	1334.3	1331.9	1319.7	1317.3	1318.5	1322.2	1318.5
10°	1336.7	1333.1	1336.7	1335.5	1334.3	1331.9	1319.7	1314.8	1314.8	1318.5	1314.8
12.5°	1330.7	1328.2	1330.7	1328.2	1328.2	1325.8	1313.7	1308.8	1310.0	1311.2	1306.3
15°	1320.9	1317.3	1320.9	1318.5	1319.7	1316.1	1302.7	1297.9	1297.9	1300.3	1291.8
17.5°	1306.3	1301.5	1306.3	1305.2	1304.0	1301.5	1289.4	1284.5	1283.3	1284.5	1278.4
20°	1289.4	1285.7	1289.4	1288.1	1288.1	1283.3	1271.1	1265.1	1265.1	1265.1	1259.0
22.5°	1262.7	1259.0	1262.7	1265.1	1265.1	1263.9	1252.9	1244.4	1242.1	1242.1	1234.7
25°	1232.3	1228.7	1232.3	1232.3	1231.1	1232.3	1228.7	1223.8	1220.2	1216.5	1209.2
27.5°	1203.1	1200.8	1203.1	1200.8	1203.1	1199.5	1198.3	1197.1	1192.3	1188.6	1178.9
30°	1174.0	1171.6	1174.0	1171.6	1169.2	1166.8	1160.7	1158.2	1163.1	1160.7	1144.9
32.5°	1137.6	1135.2	1137.6	1137.6	1135.2	1135.2	1125.5	1121.9	1123.0	1130.4	1115.8
35°	1100.0	1096.3	1100.0	1098.8	1100.0	1096.3	1090.3	1089.1	1084.2	1092.7	1081.8
37.5°	1056.2	1052.6	1056.2	1056.2	1056.2	1058.7	1053.9	1050.2	1042.9	1053.9	1045.4
40°	1011.3	1006.4	1011.3	1010.2	1011.3	1013.8	1011.3	1008.9	1001.7	1010.2	1002.8
42.5°	960.4	959.1	960.4	961.6	961.6	966.4	970.1	965.2	962.8	956.7	961.6
45°	905.7	903.3	905.7	908.1	909.3	911.8	922.7	922.7	919.1	909.3	916.7
47.5°	847.4	841.3	847.4	854.7	854.7	858.4	869.3	877.8	871.8	859.5	863.3
50°	785.5	786.8	785.5	790.4	790.4	803.7	812.2	820.7	826.8	812.2	795.3
52.5°	724.9	723.6	724.9	728.5	733.3	739.4	754.0	762.4	772.2	763.7	737.0
55°	664.1	666.6	664.1	665.3	667.7	671.4	693.3	701.8	720.0	709.0	681.1
57.5°	603.4	599.8	603.4	605.8	607.1	610.7	628.9	644.7	655.6	656.8	622.8
60°	533.0	528.2	533.0	543.9	546.4	548.8	565.7	580.3	590.1	593.7	558.5
62.5°	471.0	462.5	471.0	478.4	483.2	489.2	501.5	523.3	531.8	533.0	483.2
65°	405.5	401.9	405.5	420.1	421.3	428.6	441.9	457.7	475.9	473.5	401.9
67.5°	346.0	346.0	346.0	355.7	363.1	366.7	383.7	390.9	414.0	416.5	335.1
70°	291.4	290.2	291.4	298.7	303.5	312.0	327.8	336.3	354.6	360.6	272.0
72.5°	239.1	238.0	239.1	245.2	250.1	257.4	270.7	280.4	296.3	303.5	211.3
75°	193.1	190.6	193.1	197.9	196.7	206.4	217.3	227.0	241.6	246.5	156.6
77.5°	148.1	148.1	148.1	153.0	153.0	162.7	167.5	179.7	188.2	195.5	115.3
80°	110.5	109.3	110.5	111.7	111.7	116.6	125.1	133.5	140.8	140.8	78.9
82.5°	77.7	75.3	77.7	77.7	77.7	80.1	85.0	87.4	92.2	95.9	49.8
85°	48.6	48.6	48.6	49.8	48.6	51.0	52.2	54.7	54.7	52.2	30.3
87.5°	31.6	30.3	31.6	30.3	30.3	29.1	29.1	29.1	28.0	26.7	17.0
90°	28.6	28.6	28.6	28.6	28.6	38.1	50.9	57.2	49.2	33.1	21.1
92.5°	114.7	91.9	114.7	137.4	143.1	202.8	282.4	322.2	283.0	204.3	145.4
95°	399.5	330.6	399.5	468.5	485.7	637.8	840.6	942.0	795.5	502.7	283.1
97.5°	957.2	826.0	957.2	1088.5	1121.2	1217.4	1345.5	1409.6	1165.5	677.2	311.0
100°	1379.2	1222.9	1379.2	1535.4	1574.5	1567.5	1558.1	1553.4	1282.5	740.7	334.4
102.5°	1794.2	1660.3	1794.2	1928.1	1961.6	1839.1	1675.7	1594.1	1319.3	769.7	357.6
105°	2323.4	2251.4	2323.4	2395.3	2413.3	2138.7	1772.6	1589.6	1323.5	791.4	392.3
107.5°	2670.0	2687.4	2670.0	2652.6	2648.2	2265.3	1754.6	1499.2	1264.6	795.5	443.5
110°	2802.2	2877.1	2802.2	2727.3	2708.5	2280.3	1709.4	1423.9	1212.4	789.4	472.1



TEST NUMBER: P935067

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2814.0	2929.1	2814.0	2698.9	2670.1	2231.9	1647.6	1355.4	1166.8	789.7	506.8
115°	2739.4	2899.0	2739.4	2579.8	2539.9	2117.7	1554.8	1273.3	1114.5	796.9	558.8
117.5°	2581.2	2758.2	2581.2	2404.1	2359.8	1978.9	1470.8	1216.8	1081.8	811.7	609.2
120°	2453.7	2625.7	2453.7	2281.6	2238.6	1890.5	1426.4	1194.3	1070.8	823.8	638.5
122.5°	2329.5	2499.1	2329.5	2159.9	2117.4	1803.9	1385.9	1176.9	1064.9	841.1	673.2
125°	2152.4	2308.7	2152.4	1996.2	1957.0	1690.8	1335.7	1158.1	1060.2	864.4	717.6
127.5°	1993.1	2125.0	1993.1	1861.2	1828.2	1599.6	1294.7	1142.3	1057.5	887.8	760.5
130°	1899.2	2021.0	1899.2	1777.4	1747.0	1543.4	1271.9	1136.2	1059.1	904.8	789.1
132.5°	1814.0	1923.1	1814.0	1704.9	1677.6	1495.4	1252.5	1131.0	1060.2	918.6	812.5
135°	1697.4	1791.4	1697.4	1603.3	1579.8	1427.2	1223.7	1121.9	1059.2	933.8	839.6
137.5°	1603.7	1680.7	1603.7	1526.7	1507.5	1378.5	1206.4	1120.4	1065.7	956.3	874.2
140°	1539.4	1611.4	1539.4	1467.5	1449.5	1338.1	1189.5	1115.2	1066.8	970.1	897.6
142.5°	1486.3	1548.2	1486.3	1424.4	1408.9	1310.9	1180.4	1115.2	1070.6	981.6	914.8
145°	1406.4	1453.2	1406.4	1359.6	1347.9	1267.8	1161.1	1107.6	1070.7	996.8	941.3
147.5°	1345.2	1384.0	1345.2	1306.3	1296.6	1233.6	1149.6	1107.6	1078.0	1018.8	974.4
150°	1306.6	1338.1	1306.6	1275.2	1267.3	1214.1	1143.1	1107.6	1081.8	1030.3	991.7
152.5°	1273.7	1297.4	1273.7	1249.9	1244.0	1198.5	1138.0	1107.6	1084.4	1037.9	1003.0
155°	1235.7	1251.5	1235.7	1220.0	1216.1	1180.0	1131.7	1107.6	1089.9	1054.4	1027.8
157.5°	1205.8	1216.8	1205.8	1194.7	1192.0	1163.9	1126.4	1107.6	1095.4	1071.0	1052.7
160°	1187.9	1194.3	1187.9	1181.6	1180.0	1155.9	1123.8	1107.6	1098.0	1078.6	1064.0
162.5°	1176.2	1182.2	1176.2	1170.2	1168.7	1148.3	1121.2	1107.6	1100.6	1086.6	1076.1
165°	1159.3	1165.7	1159.3	1153.0	1151.4	1136.8	1117.3	1107.6	1104.5	1098.1	1093.3
167.5°	1147.1	1149.8	1147.1	1144.4	1143.8	1134.3	1121.5	1115.2	1112.4	1107.1	1103.1
170°	1143.8	1143.8	1143.8	1143.8	1143.8	1134.3	1121.5	1115.2	1115.0	1114.7	1114.4
172.5°	1134.9	1132.5	1134.9	1137.2	1137.8	1130.3	1120.2	1115.2	1115.2	1115.2	1115.2
175°	1129.5	1129.5	1129.5	1129.5	1129.5	1124.7	1118.3	1115.2	1116.7	1119.7	1121.9
177.5°	1124.7	1121.9	1124.7	1127.4	1128.0	1124.2	1119.2	1116.7	1117.9	1120.2	1121.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935067

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1301.5	1294.2	1294.2	1282.1	1277.3	1273.6	1267.5	1249.3	1244.4	1239.6	1246.9
5°	1312.5	1299.1	1289.4	1267.5	1249.3	1242.1	1219.0	1175.3	1146.1	1124.2	1112.1
7.5°	1314.8	1297.9	1279.6	1245.7	1202.0	1182.5	1112.1	1032.0	1010.2	990.7	978.6
10°	1312.5	1293.0	1267.5	1216.5	1113.3	1079.3	1008.9	956.7	943.4	939.7	943.4
12.5°	1304.0	1285.7	1250.5	1165.6	1021.0	998.0	956.7	926.3	923.9	930.0	962.8
15°	1289.4	1272.4	1231.1	1097.5	970.1	953.0	923.9	913.0	926.3	968.9	1067.2
17.5°	1274.8	1255.4	1204.4	1030.8	931.2	919.1	898.5	920.3	995.6	1052.6	1085.4
20°	1255.4	1232.3	1174.0	982.2	903.3	892.4	882.6	981.0	1038.0	1058.7	1076.9
22.5°	1232.3	1208.0	1132.7	948.2	874.1	865.7	871.8	1015.0	1038.0	1052.6	1068.4
25°	1202.0	1181.3	1084.2	921.5	851.1	841.3	864.4	1011.3	1024.7	1028.4	1059.9
27.5°	1174.0	1147.3	1033.2	897.2	823.2	819.5	870.5	995.6	1005.3	1008.9	1042.9
30°	1140.1	1100.0	976.1	871.8	794.0	792.8	871.8	976.1	973.7	983.5	1017.4
32.5°	1104.8	1029.5	911.8	840.2	766.1	764.9	863.3	947.0	944.5	957.9	983.5
35°	1072.1	974.9	824.3	803.7	730.9	732.1	842.6	913.0	914.2	926.3	942.2
37.5°	1038.0	927.6	728.5	763.7	696.9	696.9	814.6	881.4	879.0	882.6	904.5
40°	998.0	853.5	643.5	711.5	665.3	661.7	780.7	847.4	838.9	837.7	868.0
42.5°	955.5	772.2	580.3	642.3	628.9	624.0	739.4	806.1	790.4	794.0	832.8
45°	909.3	750.3	531.8	542.7	591.3	587.6	694.4	758.8	747.8	757.6	797.6
47.5°	863.3	706.6	516.0	450.4	551.2	550.0	644.7	712.6	706.6	716.3	758.8
50°	800.1	658.1	514.8	386.1	506.3	511.1	585.2	667.7	667.7	676.2	721.1
52.5°	718.8	598.6	467.4	349.7	454.0	468.6	533.0	628.9	631.3	639.9	679.9
55°	644.7	536.7	433.4	321.7	392.1	423.7	482.0	588.8	593.7	602.2	638.6
57.5°	576.7	446.8	426.1	288.9	335.1	365.4	437.1	550.0	552.4	559.7	594.9
60°	503.8	323.0	390.9	253.7	285.3	308.4	395.8	503.8	512.3	517.2	547.5
62.5°	421.3	234.3	354.6	229.5	261.0	265.8	361.8	460.2	471.0	474.8	493.0
65°	299.9	196.7	301.1	208.8	235.5	236.8	325.4	415.2	425.0	431.0	444.3
67.5°	202.8	160.3	229.5	189.4	216.2	217.3	290.2	363.1	376.4	381.3	389.8
70°	140.8	106.8	170.0	168.7	194.2	196.7	252.5	315.6	327.8	331.5	336.3
72.5°	103.2	86.2	140.8	151.8	171.2	173.6	213.7	262.2	274.4	278.1	280.4
75°	78.9	91.1	114.1	132.3	145.7	146.9	174.8	213.7	222.2	224.6	225.8
77.5°	63.1	85.0	83.8	106.8	118.9	116.6	137.2	165.1	172.4	172.4	172.4
80°	47.3	66.8	63.1	76.5	87.4	85.0	98.3	117.8	120.2	122.6	121.4
82.5°	35.2	42.5	42.5	48.6	58.3	55.8	65.5	76.5	76.5	76.5	78.9
85°	21.8	24.3	19.5	25.5	32.8	31.6	36.4	41.3	42.5	42.5	40.1
87.5°	13.4	11.0	6.1	9.7	14.6	14.6	17.0	18.2	17.0	17.0	17.0
90°	19.6	13.6	7.5	13.6	19.6	21.1	33.1	49.2	57.2	50.9	38.1
92.5°	132.6	81.4	30.1	81.4	132.6	145.4	204.3	283.0	322.2	282.4	202.8
95°	259.7	166.0	72.3	166.0	259.7	283.1	502.7	795.5	942.0	840.6	637.8
97.5°	290.4	207.6	125.0	207.6	290.4	311.0	677.2	1165.5	1409.6	1345.5	1217.4
100°	315.6	240.6	165.6	240.6	315.6	334.4	740.7	1282.5	1553.4	1558.1	1567.5
102.5°	340.2	270.2	200.3	270.2	340.2	357.6	769.7	1319.3	1594.1	1675.7	1839.1
105°	377.5	318.3	259.1	318.3	377.5	392.3	791.4	1323.5	1589.6	1772.6	2138.7
107.5°	429.7	374.5	319.3	374.5	429.7	443.5	795.5	1264.6	1499.2	1754.6	2265.3
110°	459.6	409.8	359.9	409.8	459.6	472.1	789.4	1212.4	1423.9	1709.4	2280.3



TEST NUMBER: P935067

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	494.9	447.3	399.8	447.3	494.9	506.8	789.7	1166.8	1355.4	1647.6	2231.9
115°	547.8	503.9	460.1	503.9	547.8	558.8	796.9	1114.5	1273.3	1554.8	2117.7
117.5°	599.2	559.4	519.6	559.4	599.2	609.2	811.7	1081.8	1216.8	1470.8	1978.9
120°	629.2	591.7	554.2	591.7	629.2	638.5	823.8	1070.8	1194.3	1426.4	1890.5
122.5°	663.8	625.9	588.1	625.9	663.8	673.2	841.1	1064.9	1176.9	1385.9	1803.9
125°	709.0	674.5	640.0	674.5	709.0	717.6	864.4	1060.2	1158.1	1335.7	1690.8
127.5°	751.8	717.0	682.2	717.0	751.8	760.5	887.8	1057.5	1142.3	1294.7	1599.6
130°	779.7	742.2	704.8	742.2	779.7	789.1	904.8	1059.1	1136.2	1271.9	1543.4
132.5°	803.1	765.6	728.1	765.6	803.1	812.5	918.6	1060.2	1131.0	1252.5	1495.4
135°	831.1	796.9	762.8	796.9	831.1	839.6	933.8	1059.2	1121.9	1223.7	1427.2
137.5°	865.8	831.9	798.2	831.9	865.8	874.2	956.3	1065.7	1120.4	1206.4	1378.5
140°	889.8	858.6	827.5	858.6	889.8	897.6	970.1	1066.8	1115.2	1189.5	1338.1
142.5°	907.7	878.9	850.1	878.9	907.7	914.8	981.6	1070.6	1115.2	1180.4	1310.9
145°	935.0	909.9	884.8	909.9	935.0	941.3	996.8	1070.7	1107.6	1161.1	1267.8
147.5°	968.3	943.8	919.4	943.8	968.3	974.4	1018.8	1078.0	1107.6	1149.6	1233.6
150°	986.2	964.1	942.0	964.1	986.2	991.7	1030.3	1081.8	1107.6	1143.1	1214.1
152.5°	998.8	982.1	965.4	982.1	998.8	1003.0	1037.9	1084.4	1107.6	1138.0	1198.5
155°	1024.7	1012.3	999.9	1012.3	1024.7	1027.8	1054.4	1089.9	1107.6	1131.7	1180.0
157.5°	1049.7	1037.6	1025.5	1037.6	1049.7	1052.7	1071.0	1095.4	1107.6	1126.4	1163.9
160°	1061.7	1052.3	1042.9	1052.3	1061.7	1064.0	1078.6	1098.0	1107.6	1123.8	1155.9
162.5°	1074.3	1067.3	1060.2	1067.3	1074.3	1076.1	1086.6	1100.6	1107.6	1121.2	1148.3
165°	1091.7	1085.4	1079.0	1085.4	1091.7	1093.3	1098.1	1104.5	1107.6	1117.3	1136.8
167.5°	1102.4	1099.3	1096.3	1099.3	1102.4	1103.1	1107.1	1112.4	1115.2	1121.5	1134.3
170°	1113.7	1110.6	1107.6	1110.6	1113.7	1114.4	1114.7	1115.0	1115.2	1121.5	1134.3
172.5°	1115.0	1114.3	1113.7	1114.3	1115.0	1115.2	1115.2	1115.2	1115.2	1120.2	1130.3
175°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1119.7	1116.7	1115.2	1118.3	1124.7
177.5°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1120.2	1117.9	1116.7	1119.2	1124.2
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935067

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1238.4	1234.7	1239.6	1226.2	1239.6	1234.7	1238.4	1246.9	1239.6	1244.4	1249.3
5°	1086.6	1080.6	1061.1	1045.4	1061.1	1080.6	1086.6	1112.1	1124.2	1146.1	1175.3
7.5°	971.2	966.4	961.6	951.9	961.6	966.4	971.2	978.6	990.7	1010.2	1032.0
10°	945.8	947.0	954.3	953.0	954.3	947.0	945.8	943.4	939.7	943.4	956.7
12.5°	1011.3	1022.3	1062.3	1059.9	1062.3	1022.3	1011.3	962.8	930.0	923.9	926.3
15°	1086.6	1090.3	1098.8	1100.0	1098.8	1090.3	1086.6	1067.2	968.9	926.3	913.0
17.5°	1093.9	1095.2	1101.2	1101.2	1101.2	1095.2	1093.9	1085.4	1052.6	995.6	920.3
20°	1087.8	1090.3	1102.4	1104.8	1102.4	1090.3	1087.8	1076.9	1058.7	1038.0	981.0
22.5°	1085.4	1090.3	1100.0	1098.8	1100.0	1090.3	1085.4	1068.4	1052.6	1038.0	1015.0
25°	1073.2	1073.2	1074.5	1075.7	1074.5	1073.2	1073.2	1059.9	1028.4	1024.7	1011.3
27.5°	1047.7	1050.2	1057.5	1056.2	1057.5	1050.2	1047.7	1042.9	1008.9	1005.3	995.6
30°	1024.7	1022.3	1016.2	1011.3	1016.2	1022.3	1024.7	1017.4	983.5	973.7	976.1
32.5°	985.8	979.7	973.7	970.1	973.7	979.7	985.8	983.5	957.9	944.5	947.0
35°	939.7	940.9	939.7	936.0	939.7	940.9	939.7	942.2	926.3	914.2	913.0
37.5°	907.0	909.3	908.1	903.3	908.1	909.3	907.0	904.5	882.6	879.0	881.4
40°	872.9	874.1	872.9	869.3	872.9	874.1	872.9	868.0	837.7	838.9	847.4
42.5°	840.2	838.9	835.3	832.8	835.3	838.9	840.2	832.8	794.0	790.4	806.1
45°	802.5	803.7	796.5	792.8	796.5	803.7	802.5	797.6	757.6	747.8	758.8
47.5°	764.9	764.9	758.8	755.2	758.8	764.9	764.9	758.8	716.3	706.6	712.6
50°	724.9	723.6	715.1	713.9	715.1	723.6	724.9	721.1	676.2	667.7	667.7
52.5°	678.7	678.7	679.9	682.3	679.9	678.7	678.7	679.9	639.9	631.3	628.9
55°	638.6	639.9	648.4	650.7	648.4	639.9	638.6	638.6	602.2	593.7	588.8
57.5°	597.3	597.3	603.4	603.4	603.4	597.3	597.3	594.9	559.7	552.4	550.0
60°	550.0	552.4	557.3	556.0	557.3	552.4	550.0	547.5	517.2	512.3	503.8
62.5°	500.2	502.6	503.8	501.5	503.8	502.6	500.2	493.0	474.8	471.0	460.2
65°	448.0	450.4	451.7	449.2	451.7	450.4	448.0	444.3	431.0	425.0	415.2
67.5°	394.6	393.4	392.1	397.0	392.1	393.4	394.6	389.8	381.3	376.4	363.1
70°	340.0	340.0	338.7	341.2	338.7	340.0	340.0	336.3	331.5	327.8	315.6
72.5°	281.7	280.4	285.3	281.7	285.3	280.4	281.7	280.4	278.1	274.4	262.2
75°	224.6	227.0	224.6	228.3	224.6	227.0	224.6	225.8	224.6	222.2	213.7
77.5°	171.2	173.6	171.2	171.2	171.2	173.6	171.2	172.4	172.4	172.4	165.1
80°	121.4	120.2	120.2	118.9	120.2	120.2	121.4	121.4	122.6	120.2	117.8
82.5°	77.7	76.5	76.5	78.9	76.5	76.5	77.7	78.9	76.5	76.5	76.5
85°	42.5	43.7	41.3	41.3	41.3	43.7	42.5	40.1	42.5	42.5	41.3
87.5°	15.7	14.6	14.6	14.6	14.6	14.6	15.7	17.0	17.0	17.0	18.2
90°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	38.1	50.9	57.2	49.2
92.5°	143.1	137.4	114.7	91.9	114.7	137.4	143.1	202.8	282.4	322.2	283.0
95°	485.7	468.5	399.5	330.6	399.5	468.5	485.7	637.8	840.6	942.0	795.5
97.5°	1121.2	1088.5	957.2	826.0	957.2	1088.5	1121.2	1217.4	1345.5	1409.6	1165.5
100°	1574.5	1535.4	1379.2	1222.9	1379.2	1535.4	1574.5	1567.5	1558.1	1553.4	1282.5
102.5°	1961.6	1928.1	1794.2	1660.3	1794.2	1928.1	1961.6	1839.1	1675.7	1594.1	1319.3
105°	2413.3	2395.3	2323.4	2251.4	2323.4	2395.3	2413.3	2138.7	1772.6	1589.6	1323.5
107.5°	2648.2	2652.6	2670.0	2687.4	2670.0	2652.6	2648.2	2265.3	1754.6	1499.2	1264.6
110°	2708.5	2727.3	2802.2	2877.1	2802.2	2727.3	2708.5	2280.3	1709.4	1423.9	1212.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2670.1	2698.9	2814.0	2929.1	2814.0	2698.9	2670.1	2231.9	1647.6	1355.4	1166.8
115°	2539.9	2579.8	2739.4	2899.0	2739.4	2579.8	2539.9	2117.7	1554.8	1273.3	1114.5
117.5°	2359.8	2404.1	2581.2	2758.2	2581.2	2404.1	2359.8	1978.9	1470.8	1216.8	1081.8
120°	2238.6	2281.6	2453.7	2625.7	2453.7	2281.6	2238.6	1890.5	1426.4	1194.3	1070.8
122.5°	2117.4	2159.9	2329.5	2499.1	2329.5	2159.9	2117.4	1803.9	1385.9	1176.9	1064.9
125°	1957.0	1996.2	2152.4	2308.7	2152.4	1996.2	1957.0	1690.8	1335.7	1158.1	1060.2
127.5°	1828.2	1861.2	1993.1	2125.0	1993.1	1861.2	1828.2	1599.6	1294.7	1142.3	1057.5
130°	1747.0	1777.4	1899.2	2021.0	1899.2	1777.4	1747.0	1543.4	1271.9	1136.2	1059.1
132.5°	1677.6	1704.9	1814.0	1923.1	1814.0	1704.9	1677.6	1495.4	1252.5	1131.0	1060.2
135°	1579.8	1603.3	1697.4	1791.4	1697.4	1603.3	1579.8	1427.2	1223.7	1121.9	1059.2
137.5°	1507.5	1526.7	1603.7	1680.7	1603.7	1526.7	1507.5	1378.5	1206.4	1120.4	1065.7
140°	1449.5	1467.5	1539.4	1611.4	1539.4	1467.5	1449.5	1338.1	1189.5	1115.2	1066.8
142.5°	1408.9	1424.4	1486.3	1548.2	1486.3	1424.4	1408.9	1310.9	1180.4	1115.2	1070.6
145°	1347.9	1359.6	1406.4	1453.2	1406.4	1359.6	1347.9	1267.8	1161.1	1107.6	1070.7
147.5°	1296.6	1306.3	1345.2	1384.0	1345.2	1306.3	1296.6	1233.6	1149.6	1107.6	1078.0
150°	1267.3	1275.2	1306.6	1338.1	1306.6	1275.2	1267.3	1214.1	1143.1	1107.6	1081.8
152.5°	1244.0	1249.9	1273.7	1297.4	1273.7	1249.9	1244.0	1198.5	1138.0	1107.6	1084.4
155°	1216.1	1220.0	1235.7	1251.5	1235.7	1220.0	1216.1	1180.0	1131.7	1107.6	1089.9
157.5°	1192.0	1194.7	1205.8	1216.8	1205.8	1194.7	1192.0	1163.9	1126.4	1107.6	1095.4
160°	1180.0	1181.6	1187.9	1194.3	1187.9	1181.6	1180.0	1155.9	1123.8	1107.6	1098.0
162.5°	1168.7	1170.2	1176.2	1182.2	1176.2	1170.2	1168.7	1148.3	1121.2	1107.6	1100.6
165°	1151.4	1153.0	1159.3	1165.7	1159.3	1153.0	1151.4	1136.8	1117.3	1107.6	1104.5
167.5°	1143.8	1144.4	1147.1	1149.8	1147.1	1144.4	1143.8	1134.3	1121.5	1115.2	1112.4
170°	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1134.3	1121.5	1115.2	1115.0
172.5°	1137.8	1137.2	1134.9	1132.5	1134.9	1137.2	1137.8	1130.3	1120.2	1115.2	1115.2
175°	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1124.7	1118.3	1115.2	1116.7
177.5°	1128.0	1127.4	1124.7	1121.9	1124.7	1127.4	1128.0	1124.2	1119.2	1116.7	1117.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1283.3	1283.3	1283.3	1283.3	1283.3
2.5°	1267.5	1273.6	1277.3	1282.1	1294.2
5°	1219.0	1242.1	1249.3	1267.5	1289.4
7.5°	1112.1	1182.5	1202.0	1245.7	1279.6
10°	1008.9	1079.3	1113.3	1216.5	1267.5
12.5°	956.7	998.0	1021.0	1165.6	1250.5
15°	923.9	953.0	970.1	1097.5	1231.1
17.5°	898.5	919.1	931.2	1030.8	1204.4
20°	882.6	892.4	903.3	982.2	1174.0
22.5°	871.8	865.7	874.1	948.2	1132.7
25°	864.4	841.3	851.1	921.5	1084.2
27.5°	870.5	819.5	823.2	897.2	1033.2
30°	871.8	792.8	794.0	871.8	976.1
32.5°	863.3	764.9	766.1	840.2	911.8
35°	842.6	732.1	730.9	803.7	824.3
37.5°	814.6	696.9	696.9	763.7	728.5
40°	780.7	661.7	665.3	711.5	643.5
42.5°	739.4	624.0	628.9	642.3	580.3
45°	694.4	587.6	591.3	542.7	531.8
47.5°	644.7	550.0	551.2	450.4	516.0
50°	585.2	511.1	506.3	386.1	514.8
52.5°	533.0	468.6	454.0	349.7	467.4
55°	482.0	423.7	392.1	321.7	433.4
57.5°	437.1	365.4	335.1	288.9	426.1
60°	395.8	308.4	285.3	253.7	390.9
62.5°	361.8	265.8	261.0	229.5	354.6
65°	325.4	236.8	235.5	208.8	301.1
67.5°	290.2	217.3	216.2	189.4	229.5
70°	252.5	196.7	194.2	168.7	170.0
72.5°	213.7	173.6	171.2	151.8	140.8
75°	174.8	146.9	145.7	132.3	114.1
77.5°	137.2	116.6	118.9	106.8	83.8
80°	98.3	85.0	87.4	76.5	63.1
82.5°	65.5	55.8	58.3	48.6	42.5
85°	36.4	31.6	32.8	25.5	19.5
87.5°	17.0	14.6	14.6	9.7	6.1
90°	33.1	21.1	19.6	13.6	7.5
92.5°	204.3	145.4	132.6	81.4	30.1
95°	502.7	283.1	259.7	166.0	72.3
97.5°	677.2	311.0	290.4	207.6	125.0
100°	740.7	334.4	315.6	240.6	165.6
102.5°	769.7	357.6	340.2	270.2	200.3
105°	791.4	392.3	377.5	318.3	259.1
107.5°	795.5	443.5	429.7	374.5	319.3
110°	789.4	472.1	459.6	409.8	359.9



TEST NUMBER: P935067

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	789.7	506.8	494.9	447.3	399.8
115°	796.9	558.8	547.8	503.9	460.1
117.5°	811.7	609.2	599.2	559.4	519.6
120°	823.8	638.5	629.2	591.7	554.2
122.5°	841.1	673.2	663.8	625.9	588.1
125°	864.4	717.6	709.0	674.5	640.0
127.5°	887.8	760.5	751.8	717.0	682.2
130°	904.8	789.1	779.7	742.2	704.8
132.5°	918.6	812.5	803.1	765.6	728.1
135°	933.8	839.6	831.1	796.9	762.8
137.5°	956.3	874.2	865.8	831.9	798.2
140°	970.1	897.6	889.8	858.6	827.5
142.5°	981.6	914.8	907.7	878.9	850.1
145°	996.8	941.3	935.0	909.9	884.8
147.5°	1018.8	974.4	968.3	943.8	919.4
150°	1030.3	991.7	986.2	964.1	942.0
152.5°	1037.9	1003.0	998.8	982.1	965.4
155°	1054.4	1027.8	1024.7	1012.3	999.9
157.5°	1071.0	1052.7	1049.7	1037.6	1025.5
160°	1078.6	1064.0	1061.7	1052.3	1042.9
162.5°	1086.6	1076.1	1074.3	1067.3	1060.2
165°	1098.1	1093.3	1091.7	1085.4	1079.0
167.5°	1107.1	1103.1	1102.4	1099.3	1096.3
170°	1114.7	1114.4	1113.7	1110.6	1107.6
172.5°	1115.2	1115.2	1115.0	1114.3	1113.7
175°	1119.7	1121.9	1121.9	1121.9	1121.9
177.5°	1120.2	1121.9	1121.9	1121.9	1121.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935067
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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	8.98	9.70	10.08	10.80	12.31	11.82	12.54	12.92	13.63	15.15
	3H	9.45	10.09	10.56	11.20	12.73	13.16	13.80	14.27	14.90	16.43
	4H	9.63	10.24	10.75	11.35	12.88	13.59	14.20	14.72	15.31	16.85
	6H	9.74	10.30	10.87	11.41	12.96	13.87	14.43	15.00	15.54	17.09
	8H	9.74	10.27	10.87	11.40	12.94	13.95	14.48	15.08	15.60	17.15
	12H	9.71	10.21	10.84	11.33	12.90	13.98	14.49	15.12	15.61	17.17
4H	2H	10.00	10.61	11.13	11.71	13.25	12.21	12.82	13.34	13.93	15.46
	3H	11.01	11.52	12.15	12.65	14.20	13.70	14.21	14.84	15.35	16.89
	4H	11.28	11.75	12.42	12.87	14.44	14.23	14.69	15.37	15.82	17.39
	6H	11.40	11.80	12.54	12.94	14.50	14.59	14.99	15.73	16.13	17.69
	8H	11.40	11.77	12.54	12.91	14.49	14.69	15.06	15.83	16.20	17.78
	12H	11.36	11.70	12.52	12.85	14.43	14.74	15.08	15.90	16.23	17.81
8H	4H	11.72	12.10	12.87	13.23	14.81	14.34	14.71	15.48	15.85	17.43
	6H	11.98	12.29	13.14	13.47	15.04	14.77	15.08	15.94	16.26	17.83
	8H	12.02	12.29	13.19	13.45	15.04	14.92	15.19	16.09	16.35	17.95
	12H	12.00	12.23	13.17	13.39	15.02	15.02	15.25	16.19	16.41	18.04
12H	4H	11.72	12.06	12.88	13.21	14.79	14.30	14.64	15.46	15.79	17.37
	6H	12.04	12.31	13.21	13.47	15.06	14.77	15.04	15.94	16.20	17.79
	8H	12.10	12.34	13.27	13.49	15.12	14.92	15.16	16.10	16.32	17.94