

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: P935065

Luminaire Tested: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

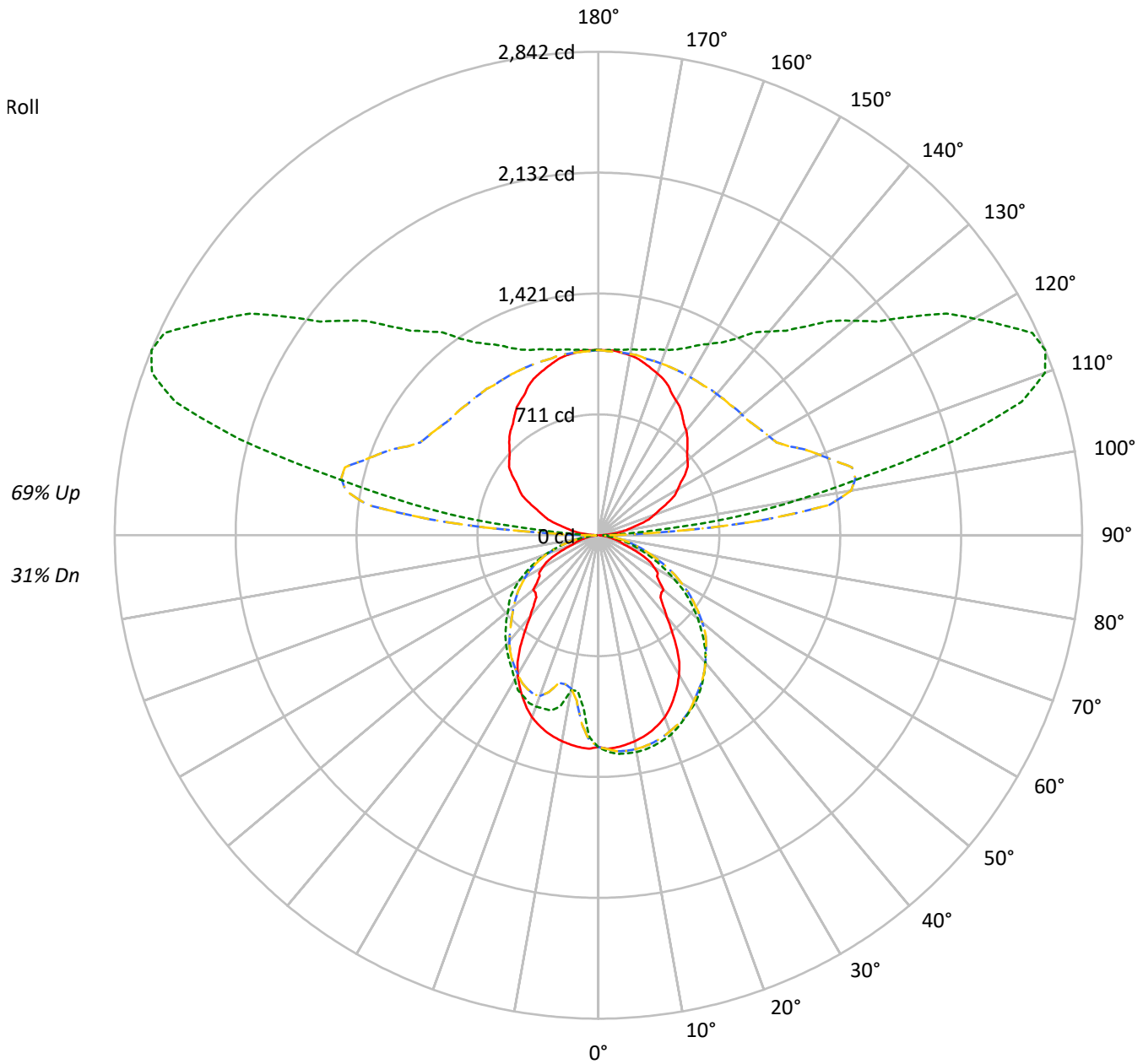
Test Method: LM-79-2019  
Report Number: P935065  
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10290.2 lumens  
Efficiency: N/A  
Efficacy: 124.9 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-93050-1D-UNV-STD-W-8-3000K

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5778	5778	5778	5778
5°	5820	5832	5820	4586
10°	5782	5745	5782	4107
15°	5719	5620	5719	4693
20°	5599	5473	5599	4703
25°	5354	5258	5354	4603
30°	5038	5080	5038	4384
35°	4491	4853	4491	4144
40°	3742	4587	3742	3962
45°	3344	4276	3344	3753
50°	3552	3905	3552	3544
55°	3342	3506	3342	3422
60°	3445	2977	3445	3134
65°	3123	2461	3123	2751
70°	2163	1962	2163	2306
75°	1898	1450	1898	1736
80°	1527	958	1527	1043
85°	880	508	880	432

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5125 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.4	1.1
10°-20°	319.1	3.1
20°-30°	493.3	4.8
30°-40°	588.9	5.7
40°-50°	592.4	5.8
50°-60°	515.4	5.0
60°-70°	365.5	3.6
70°-80°	193.3	1.9
80°-90°	52.3	0.5
90°-100°	530.7	5.2
100°-110°	1395.2	13.6
110°-120°	1446.6	14.1
120°-130°	1160.4	11.3
130°-140°	910.5	8.8
140°-150°	698.8	6.8
150°-160°	503.3	4.9
160°-170°	307.9	3.0
170°-180°	104.0	1.0
0°-30°	924.9	9.0
0°-40°	1513.8	14.7
0°-60°	2621.7	25.5
0°-90°	3232.8	31.4
90°-120°	3372.5	32.8
90°-150°	6142.2	59.7
90°-180°	7057.0	68.6
0°-180°	10290.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1245	1245	1245	1245	1245	
5°	1251	1290	1251	1014	1251	119
15°	1195	1278	1195	1067	1195	336
25°	1052	1192	1052	1044	1052	483
35°	800	1064	800	908	800	495
45°	516	876	516	769	516	413
55°	420	647	420	631	420	386
65°	292	390	292	436	292	279
75°	111	185	111	222	111	116
85°	19	47	19	40	19	25
90°	7	28	7	28	7	7
95°	70	321	70	321	70	78
105°	251	2185	251	2185	251	266
115°	446	2813	446	2813	446	441
125°	621	2240	621	2240	621	551
135°	740	1738	740	1738	740	573
145°	858	1410	858	1410	858	538
155°	970	1214	970	1214	970	446
165°	1047	1131	1047	1131	1047	295
175°	1089	1096	1089	1096	1089	103
180°	1089	1089	1089	1089	1089	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1255.8	1255.8	1262.9	1265.3	1265.3	1261.7	1258.2	1261.7	1272.3	1275.8	1274.7
5°	1251.1	1260.5	1273.5	1275.8	1278.2	1277.0	1274.7	1277.0	1288.8	1291.2	1292.3
7.5°	1241.7	1259.4	1275.8	1279.4	1282.9	1279.4	1278.2	1280.6	1292.3	1294.7	1294.7
10°	1229.9	1254.7	1273.5	1275.8	1279.4	1275.8	1275.8	1280.6	1292.3	1294.7	1295.8
12.5°	1213.4	1247.5	1265.3	1267.6	1272.3	1271.2	1269.9	1274.7	1286.4	1288.8	1288.8
15°	1194.6	1234.6	1251.1	1253.4	1261.7	1259.4	1259.4	1264.1	1277.0	1280.6	1279.4
17.5°	1168.7	1218.1	1237.0	1240.5	1246.4	1245.3	1246.4	1251.1	1262.9	1265.3	1266.4
20°	1139.2	1195.7	1218.1	1221.6	1227.5	1227.5	1227.5	1233.4	1245.3	1249.9	1249.9
22.5°	1099.1	1172.2	1195.7	1198.1	1205.2	1205.2	1207.5	1215.7	1226.4	1227.5	1227.5
25°	1052.0	1146.3	1166.3	1173.3	1180.4	1183.9	1187.5	1192.2	1195.7	1194.6	1195.7
27.5°	1002.6	1113.2	1139.2	1143.9	1153.3	1156.9	1161.6	1162.8	1163.9	1167.4	1165.2
30°	947.2	1067.3	1106.2	1111.0	1126.2	1128.6	1123.9	1126.2	1132.1	1134.5	1136.9
32.5°	884.7	999.0	1072.1	1082.7	1096.8	1089.7	1088.6	1092.1	1101.5	1101.5	1103.8
35°	799.9	946.0	1040.3	1049.7	1060.3	1052.0	1056.8	1057.9	1063.8	1067.3	1066.2
37.5°	706.9	900.1	1007.2	1014.3	1022.6	1012.0	1019.0	1022.6	1027.3	1024.9	1024.9
40°	624.4	828.2	968.4	973.1	980.2	971.9	979.0	981.3	983.7	981.3	980.2
42.5°	563.1	749.3	927.1	933.0	928.3	934.2	936.5	941.3	937.8	933.0	933.0
45°	516.0	728.0	882.3	889.5	882.3	891.8	895.3	895.3	884.7	882.3	881.2
47.5°	500.7	685.6	837.6	837.6	834.0	845.9	851.8	843.5	832.9	829.4	829.4
50°	499.5	638.5	776.3	771.7	788.1	802.2	796.4	788.1	779.8	766.9	766.9
52.5°	453.6	580.8	697.5	715.1	741.0	749.3	739.8	731.6	717.5	711.5	706.9
55°	420.5	520.7	625.5	660.9	688.0	698.6	680.9	672.7	651.4	647.9	645.6
57.5°	413.5	433.5	559.6	604.4	637.3	636.2	625.5	610.2	592.6	589.1	587.8
60°	379.3	313.4	488.9	541.9	576.1	572.6	563.1	548.9	532.5	530.1	527.8
62.5°	344.0	227.4	408.8	468.8	517.1	516.0	507.7	486.6	474.7	468.8	464.2
65°	292.1	190.9	291.0	390.0	459.4	461.8	444.2	428.8	415.9	408.8	407.6
67.5°	222.6	155.5	196.7	325.1	404.1	401.7	379.3	372.3	355.8	352.3	345.2
70°	164.9	103.6	136.7	263.9	349.9	344.0	326.3	318.1	302.8	294.5	289.8
72.5°	136.7	83.6	100.1	205.0	294.5	287.5	272.1	262.7	249.8	242.7	237.9
75°	110.8	88.4	76.6	151.9	239.2	234.4	220.3	210.9	200.3	190.9	192.0
77.5°	81.3	82.5	61.2	111.9	189.7	182.6	174.3	162.6	157.8	148.4	148.4
80°	61.2	64.8	45.9	76.6	136.7	136.7	129.5	121.4	113.1	108.4	108.4
82.5°	41.2	41.2	34.2	48.3	93.1	89.5	84.8	82.5	77.7	75.4	75.4
85°	18.9	23.5	21.2	29.4	50.7	53.0	53.0	50.7	49.4	47.2	48.3
87.5°	5.9	10.6	13.0	16.5	25.9	27.1	28.3	28.3	28.3	29.4	29.4
90°	7.3	13.2	19.0	20.5	32.1	47.7	55.5	49.4	37.0	27.8	27.8
92.5°	29.2	79.0	128.7	141.1	198.2	274.6	312.7	274.0	196.8	138.9	133.3
95°	70.2	161.1	252.0	274.7	487.8	771.9	914.0	815.7	618.9	471.3	454.6
97.5°	121.3	201.5	281.8	301.8	657.1	1130.9	1367.8	1305.6	1181.2	1088.0	1056.2
100°	160.7	233.5	306.3	324.4	718.7	1244.5	1507.3	1511.9	1521.0	1527.8	1489.9
102.5°	194.4	262.2	330.1	347.0	746.9	1280.1	1546.8	1626.0	1784.5	1903.4	1870.9
105°	251.4	308.8	366.3	380.7	767.9	1284.3	1542.4	1720.0	2075.2	2341.7	2324.2
107.5°	309.8	363.4	416.9	430.4	771.9	1227.1	1454.7	1702.5	2198.0	2569.6	2573.9
110°	349.2	397.6	446.0	458.1	766.0	1176.4	1381.7	1658.7	2212.6	2628.1	2646.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	387.9	434.1	480.3	491.8	766.2	1132.2	1315.2	1598.7	2165.6	2590.9	2618.8
115°	446.4	489.0	531.5	542.2	773.3	1081.5	1235.5	1508.7	2054.9	2464.5	2503.2
117.5°	504.1	542.8	581.4	591.1	787.7	1049.7	1180.7	1427.2	1920.1	2289.8	2332.8
120°	537.8	574.1	610.5	619.6	799.3	1039.0	1158.8	1384.0	1834.4	2172.2	2213.9
122.5°	570.6	607.3	644.1	653.2	816.1	1033.3	1142.0	1344.8	1750.4	2054.6	2095.8
125°	621.0	654.5	688.0	696.3	838.8	1028.8	1123.7	1296.0	1640.6	1899.0	1936.9
127.5°	662.0	695.7	729.5	737.9	861.4	1026.1	1108.4	1256.3	1552.1	1774.0	1806.0
130°	683.8	720.2	756.6	765.7	877.9	1027.7	1102.5	1234.2	1497.6	1695.1	1724.6
132.5°	706.5	742.9	779.2	788.4	891.4	1028.8	1097.4	1215.3	1451.0	1627.8	1654.3
135°	740.1	773.3	806.5	814.7	906.1	1027.8	1088.7	1187.4	1384.8	1532.9	1555.7
137.5°	774.5	807.2	840.1	848.3	927.9	1034.1	1087.2	1170.6	1337.6	1462.7	1481.4
140°	802.9	833.2	863.4	870.9	941.3	1035.2	1082.1	1154.2	1298.4	1406.5	1424.0
142.5°	824.9	852.8	880.8	887.7	952.5	1038.9	1082.1	1145.4	1272.0	1367.1	1382.1
145°	858.5	882.9	907.3	913.3	967.2	1038.9	1074.8	1126.6	1230.1	1307.9	1319.2
147.5°	892.1	915.8	939.5	945.5	988.6	1046.1	1074.8	1115.5	1197.0	1258.2	1267.6
150°	914.0	935.5	956.9	962.3	999.8	1049.7	1074.8	1109.2	1178.1	1229.7	1237.4
152.5°	936.7	953.0	969.2	973.2	1007.1	1052.2	1074.8	1104.2	1163.0	1207.0	1212.8
155°	970.3	982.3	994.3	997.3	1023.1	1057.6	1074.8	1098.1	1145.0	1180.0	1183.8
157.5°	995.1	1006.8	1018.6	1021.5	1039.2	1062.9	1074.8	1093.0	1129.3	1156.6	1159.3
160°	1012.0	1021.1	1030.2	1032.4	1046.6	1065.4	1074.8	1090.4	1121.6	1145.0	1146.5
162.5°	1028.8	1035.6	1042.5	1044.1	1054.3	1067.9	1074.8	1088.0	1114.2	1134.0	1135.5
165°	1047.0	1053.2	1059.3	1060.9	1065.6	1071.7	1074.8	1084.2	1103.1	1117.2	1118.8
167.5°	1063.8	1066.7	1069.7	1070.4	1074.2	1079.4	1082.1	1088.2	1100.6	1109.8	1110.4
170°	1074.8	1077.7	1080.7	1081.4	1081.6	1081.9	1082.1	1088.2	1100.6	1109.8	1109.8
172.5°	1080.7	1081.3	1081.9	1082.1	1082.1	1082.1	1082.1	1087.0	1096.7	1104.0	1103.5
175°	1088.7	1088.7	1088.7	1088.7	1086.5	1083.6	1082.1	1085.1	1091.3	1095.9	1095.9
177.5°	1088.7	1088.7	1088.7	1088.7	1087.0	1084.7	1083.6	1086.0	1090.8	1094.5	1093.9
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1277.0	1273.5	1277.0	1274.7	1275.8	1272.3	1261.7	1258.2	1261.7	1265.3	1265.3
5°	1292.3	1290.0	1292.3	1292.3	1291.2	1288.8	1277.0	1274.7	1277.0	1278.2	1275.8
7.5°	1297.1	1293.6	1297.1	1294.7	1294.7	1292.3	1280.6	1278.2	1279.4	1282.9	1279.4
10°	1297.1	1293.6	1297.1	1295.8	1294.7	1292.3	1280.6	1275.8	1275.8	1279.4	1275.8
12.5°	1291.2	1288.8	1291.2	1288.8	1288.8	1286.4	1274.7	1269.9	1271.2	1272.3	1267.6
15°	1281.7	1278.2	1281.7	1279.4	1280.6	1277.0	1264.1	1259.4	1259.4	1261.7	1253.4
17.5°	1267.6	1262.9	1267.6	1266.4	1265.3	1262.9	1251.1	1246.4	1245.3	1246.4	1240.5
20°	1251.1	1247.5	1251.1	1249.9	1249.9	1245.3	1233.4	1227.5	1227.5	1227.5	1221.6
22.5°	1225.2	1221.6	1225.2	1227.5	1227.5	1226.4	1215.7	1207.5	1205.2	1205.2	1198.1
25°	1195.7	1192.2	1195.7	1195.7	1194.6	1195.7	1192.2	1187.5	1183.9	1180.4	1173.3
27.5°	1167.4	1165.2	1167.4	1165.2	1167.4	1163.9	1162.8	1161.6	1156.9	1153.3	1143.9
30°	1139.2	1136.9	1139.2	1136.9	1134.5	1132.1	1126.2	1123.9	1128.6	1126.2	1111.0
32.5°	1103.8	1101.5	1103.8	1103.8	1101.5	1101.5	1092.1	1088.6	1089.7	1096.8	1082.7
35°	1067.3	1063.8	1067.3	1066.2	1067.3	1063.8	1057.9	1056.8	1052.0	1060.3	1049.7
37.5°	1024.9	1021.4	1024.9	1024.9	1024.9	1027.3	1022.6	1019.0	1012.0	1022.6	1014.3
40°	981.3	976.6	981.3	980.2	981.3	983.7	981.3	979.0	971.9	980.2	973.1
42.5°	931.9	930.6	931.9	933.0	933.0	937.8	941.3	936.5	934.2	928.3	933.0
45°	878.8	876.5	878.8	881.2	882.3	884.7	895.3	895.3	891.8	882.3	889.5
47.5°	822.3	816.4	822.3	829.4	829.4	832.9	843.5	851.8	845.9	834.0	837.6
50°	762.2	763.4	762.2	766.9	766.9	779.8	788.1	796.4	802.2	788.1	771.7
52.5°	703.3	702.1	703.3	706.9	711.5	717.5	731.6	739.8	749.3	741.0	715.1
55°	644.4	646.8	644.4	645.6	647.9	651.4	672.7	680.9	698.6	688.0	660.9
57.5°	585.5	582.0	585.5	587.8	589.1	592.6	610.2	625.5	636.2	637.3	604.4
60°	517.1	512.5	517.1	527.8	530.1	532.5	548.9	563.1	572.6	576.1	541.9
62.5°	457.1	448.8	457.1	464.2	468.8	474.7	486.6	507.7	516.0	517.1	468.8
65°	393.5	390.0	393.5	407.6	408.8	415.9	428.8	444.2	461.8	459.4	390.0
67.5°	335.8	335.8	335.8	345.2	352.3	355.8	372.3	379.3	401.7	404.1	325.1
70°	282.7	281.6	282.7	289.8	294.5	302.8	318.1	326.3	344.0	349.9	263.9
72.5°	232.0	230.9	232.0	237.9	242.7	249.8	262.7	272.1	287.5	294.5	205.0
75°	187.3	185.0	187.3	192.0	190.9	200.3	210.9	220.3	234.4	239.2	151.9
77.5°	143.7	143.7	143.7	148.4	148.4	157.8	162.6	174.3	182.6	189.7	111.9
80°	107.2	106.0	107.2	108.4	108.4	113.1	121.4	129.5	136.7	136.7	76.6
82.5°	75.4	73.1	75.4	75.4	75.4	77.7	82.5	84.8	89.5	93.1	48.3
85°	47.2	47.2	47.2	48.3	47.2	49.4	50.7	53.0	53.0	50.7	29.4
87.5°	30.7	29.4	30.7	29.4	29.4	28.3	28.3	28.3	27.1	25.9	16.5
90°	27.8	27.8	27.8	27.8	27.8	37.0	49.4	55.5	47.7	32.1	20.5
92.5°	111.3	89.1	111.3	133.3	138.9	196.8	274.0	312.7	274.6	198.2	141.1
95°	387.7	320.8	387.7	454.6	471.3	618.9	815.7	914.0	771.9	487.8	274.7
97.5°	928.8	801.5	928.8	1056.2	1088.0	1181.2	1305.6	1367.8	1130.9	657.1	301.8
100°	1338.3	1186.6	1338.3	1489.9	1527.8	1521.0	1511.9	1507.3	1244.5	718.7	324.4
102.5°	1741.0	1611.1	1741.0	1870.9	1903.4	1784.5	1626.0	1546.8	1280.1	746.9	347.0
105°	2254.4	2184.6	2254.4	2324.2	2341.7	2075.2	1720.0	1542.4	1284.3	767.9	380.7
107.5°	2590.8	2607.7	2590.8	2573.9	2569.6	2198.0	1702.5	1454.7	1227.1	771.9	430.4
110°	2719.0	2791.8	2719.0	2646.3	2628.1	2212.6	1658.7	1381.7	1176.4	766.0	458.1





TEST NUMBER: P935065

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2730.5	2842.2	2730.5	2618.8	2590.9	2165.6	1598.7	1315.2	1132.2	766.2	491.8
115°	2658.1	2813.0	2658.1	2503.2	2464.5	2054.9	1508.7	1235.5	1081.5	773.3	542.2
117.5°	2504.6	2676.4	2504.6	2332.8	2289.8	1920.1	1427.2	1180.7	1049.7	787.7	591.1
120°	2380.9	2547.8	2380.9	2213.9	2172.2	1834.4	1384.0	1158.8	1039.0	799.3	619.6
122.5°	2260.4	2425.0	2260.4	2095.8	2054.6	1750.4	1344.8	1142.0	1033.3	816.1	653.2
125°	2088.5	2240.2	2088.5	1936.9	1899.0	1640.6	1296.0	1123.7	1028.8	838.8	696.3
127.5°	1933.9	2061.9	1933.9	1806.0	1774.0	1552.1	1256.3	1108.4	1026.1	861.4	737.9
130°	1842.9	1961.1	1842.9	1724.6	1695.1	1497.6	1234.2	1102.5	1027.7	877.9	765.7
132.5°	1760.2	1866.0	1760.2	1654.3	1627.8	1451.0	1215.3	1097.4	1028.8	891.4	788.4
135°	1647.0	1738.2	1647.0	1555.7	1532.9	1384.8	1187.4	1088.7	1027.8	906.1	814.7
137.5°	1556.1	1630.8	1556.1	1481.4	1462.7	1337.6	1170.6	1087.2	1034.1	927.9	848.3
140°	1493.7	1563.6	1493.7	1424.0	1406.5	1298.4	1154.2	1082.1	1035.2	941.3	870.9
142.5°	1442.2	1502.2	1442.2	1382.1	1367.1	1272.0	1145.4	1082.1	1038.9	952.5	887.7
145°	1364.7	1410.1	1364.7	1319.2	1307.9	1230.1	1126.6	1074.8	1038.9	967.2	913.3
147.5°	1305.2	1342.9	1305.2	1267.6	1258.2	1197.0	1115.5	1074.8	1046.1	988.6	945.5
150°	1267.8	1298.4	1267.8	1237.4	1229.7	1178.1	1109.2	1074.8	1049.7	999.8	962.3
152.5°	1235.9	1258.9	1235.9	1212.8	1207.0	1163.0	1104.2	1074.8	1052.2	1007.1	973.2
155°	1199.1	1214.3	1199.1	1183.8	1180.0	1145.0	1098.1	1074.8	1057.6	1023.1	997.3
157.5°	1170.0	1180.7	1170.0	1159.3	1156.6	1129.3	1093.0	1074.8	1062.9	1039.2	1021.5
160°	1152.7	1158.8	1152.7	1146.5	1145.0	1121.6	1090.4	1074.8	1065.4	1046.6	1032.4
162.5°	1141.3	1147.1	1141.3	1135.5	1134.0	1114.2	1088.0	1074.8	1067.9	1054.3	1044.1
165°	1124.9	1131.1	1124.9	1118.8	1117.2	1103.1	1084.2	1074.8	1071.7	1065.6	1060.9
167.5°	1113.1	1115.7	1113.1	1110.4	1109.8	1100.6	1088.2	1082.1	1079.4	1074.2	1070.4
170°	1109.8	1109.8	1109.8	1109.8	1109.8	1100.6	1088.2	1082.1	1081.9	1081.6	1081.4
172.5°	1101.2	1098.9	1101.2	1103.5	1104.0	1096.7	1087.0	1082.1	1082.1	1082.1	1082.1
175°	1095.9	1095.9	1095.9	1095.9	1095.9	1091.3	1085.1	1082.1	1083.6	1086.5	1088.7
177.5°	1091.3	1088.7	1091.3	1093.9	1094.5	1090.8	1086.0	1083.6	1084.7	1087.0	1088.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935065

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1262.9	1255.8	1255.8	1244.0	1239.4	1235.8	1229.9	1212.2	1207.5	1202.8	1209.9
5°	1273.5	1260.5	1251.1	1229.9	1212.2	1205.2	1182.8	1140.4	1112.1	1090.8	1079.1
7.5°	1275.8	1259.4	1241.7	1208.7	1166.3	1147.4	1079.1	1001.4	980.2	961.3	949.5
10°	1273.5	1254.7	1229.9	1180.4	1080.3	1047.3	979.0	928.3	915.4	911.9	915.4
12.5°	1265.3	1247.5	1213.4	1131.0	990.7	968.4	928.3	898.9	896.5	902.4	934.2
15°	1251.1	1234.6	1194.6	1064.9	941.3	924.8	896.5	885.9	898.9	940.1	1035.5
17.5°	1237.0	1218.1	1168.7	1000.2	903.6	891.8	871.8	893.0	966.0	1021.4	1053.2
20°	1218.1	1195.7	1139.2	953.0	876.5	865.9	856.4	951.9	1007.2	1027.3	1044.9
22.5°	1195.7	1172.2	1099.1	920.1	848.2	840.0	845.9	984.8	1007.2	1021.4	1036.7
25°	1166.3	1146.3	1052.0	894.2	825.9	816.4	838.8	981.3	994.3	997.8	1028.5
27.5°	1139.2	1113.2	1002.6	870.6	798.7	795.2	844.7	966.0	975.4	979.0	1012.0
30°	1106.2	1067.3	947.2	845.9	770.4	769.3	845.9	947.2	944.8	954.3	987.2
32.5°	1072.1	999.0	884.7	815.2	743.4	742.2	837.6	918.9	916.5	929.5	954.3
35°	1040.3	946.0	799.9	779.8	709.2	710.4	817.6	885.9	887.1	898.9	914.2
37.5°	1007.2	900.1	706.9	741.0	676.2	676.2	790.5	855.3	852.9	856.4	877.7
40°	968.4	828.2	624.4	690.3	645.6	642.0	757.5	822.3	814.0	812.9	842.3
42.5°	927.1	749.3	563.1	623.2	610.2	605.5	717.5	782.2	766.9	770.4	808.1
45°	882.3	728.0	516.0	526.6	573.7	570.2	673.8	736.3	725.7	735.1	774.0
47.5°	837.6	685.6	500.7	437.0	534.9	533.7	625.5	691.5	685.6	695.1	736.3
50°	776.3	638.5	499.5	374.6	491.2	496.0	567.8	647.9	647.9	656.2	699.7
52.5°	697.5	580.8	453.6	339.3	440.6	454.7	517.1	610.2	612.6	620.9	659.7
55°	625.5	520.7	420.5	312.1	380.5	411.1	467.7	571.3	576.1	584.3	619.6
57.5°	559.6	433.5	413.5	280.4	325.1	354.6	424.1	533.7	536.0	543.1	577.2
60°	488.9	313.4	379.3	246.2	276.8	299.2	384.1	488.9	497.1	501.9	531.3
62.5°	408.8	227.4	344.0	222.6	253.3	258.0	351.1	446.5	457.1	460.7	478.3
65°	291.0	190.9	292.1	202.6	228.5	229.8	315.7	402.9	412.4	418.2	431.2
67.5°	196.7	155.5	222.6	183.7	209.7	210.9	281.6	352.3	365.2	369.9	378.2
70°	136.7	103.6	164.9	163.7	188.5	190.9	245.0	306.3	318.1	321.6	326.3
72.5°	100.1	83.6	136.7	147.3	166.1	168.5	207.4	254.4	266.2	269.8	272.1
75°	76.6	88.4	110.8	128.4	141.4	142.5	169.6	207.4	215.6	217.9	219.1
77.5°	61.2	82.5	81.3	103.6	115.4	113.1	133.2	160.2	167.3	167.3	167.3
80°	45.9	64.8	61.2	74.2	84.8	82.5	95.4	114.3	116.6	119.0	117.8
82.5°	34.2	41.2	41.2	47.2	56.6	54.2	63.6	74.2	74.2	74.2	76.6
85°	21.2	23.5	18.9	24.8	31.8	30.7	35.3	40.1	41.2	41.2	38.9
87.5°	13.0	10.6	5.9	9.4	14.1	14.1	16.5	17.7	16.5	16.5	16.5
90°	19.0	13.2	7.3	13.2	19.0	20.5	32.1	47.7	55.5	49.4	37.0
92.5°	128.7	79.0	29.2	79.0	128.7	141.1	198.2	274.6	312.7	274.0	196.8
95°	252.0	161.1	70.2	161.1	252.0	274.7	487.8	771.9	914.0	815.7	618.9
97.5°	281.8	201.5	121.3	201.5	281.8	301.8	657.1	1130.9	1367.8	1305.6	1181.2
100°	306.3	233.5	160.7	233.5	306.3	324.4	718.7	1244.5	1507.3	1511.9	1521.0
102.5°	330.1	262.2	194.4	262.2	330.1	347.0	746.9	1280.1	1546.8	1626.0	1784.5
105°	366.3	308.8	251.4	308.8	366.3	380.7	767.9	1284.3	1542.4	1720.0	2075.2
107.5°	416.9	363.4	309.8	363.4	416.9	430.4	771.9	1227.1	1454.7	1702.5	2198.0
110°	446.0	397.6	349.2	397.6	446.0	458.1	766.0	1176.4	1381.7	1658.7	2212.6



TEST NUMBER: P935065

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	480.3	434.1	387.9	434.1	480.3	491.8	766.2	1132.2	1315.2	1598.7	2165.6
115°	531.5	489.0	446.4	489.0	531.5	542.2	773.3	1081.5	1235.5	1508.7	2054.9
117.5°	581.4	542.8	504.1	542.8	581.4	591.1	787.7	1049.7	1180.7	1427.2	1920.1
120°	610.5	574.1	537.8	574.1	610.5	619.6	799.3	1039.0	1158.8	1384.0	1834.4
122.5°	644.1	607.3	570.6	607.3	644.1	653.2	816.1	1033.3	1142.0	1344.8	1750.4
125°	688.0	654.5	621.0	654.5	688.0	696.3	838.8	1028.8	1123.7	1296.0	1640.6
127.5°	729.5	695.7	662.0	695.7	729.5	737.9	861.4	1026.1	1108.4	1256.3	1552.1
130°	756.6	720.2	683.8	720.2	756.6	765.7	877.9	1027.7	1102.5	1234.2	1497.6
132.5°	779.2	742.9	706.5	742.9	779.2	788.4	891.4	1028.8	1097.4	1215.3	1451.0
135°	806.5	773.3	740.1	773.3	806.5	814.7	906.1	1027.8	1088.7	1187.4	1384.8
137.5°	840.1	807.2	774.5	807.2	840.1	848.3	927.9	1034.1	1087.2	1170.6	1337.6
140°	863.4	833.2	802.9	833.2	863.4	870.9	941.3	1035.2	1082.1	1154.2	1298.4
142.5°	880.8	852.8	824.9	852.8	880.8	887.7	952.5	1038.9	1082.1	1145.4	1272.0
145°	907.3	882.9	858.5	882.9	907.3	913.3	967.2	1038.9	1074.8	1126.6	1230.1
147.5°	939.5	915.8	892.1	915.8	939.5	945.5	988.6	1046.1	1074.8	1115.5	1197.0
150°	956.9	935.5	914.0	935.5	956.9	962.3	999.8	1049.7	1074.8	1109.2	1178.1
152.5°	969.2	953.0	936.7	953.0	969.2	973.2	1007.1	1052.2	1074.8	1104.2	1163.0
155°	994.3	982.3	970.3	982.3	994.3	997.3	1023.1	1057.6	1074.8	1098.1	1145.0
157.5°	1018.6	1006.8	995.1	1006.8	1018.6	1021.5	1039.2	1062.9	1074.8	1093.0	1129.3
160°	1030.2	1021.1	1012.0	1021.1	1030.2	1032.4	1046.6	1065.4	1074.8	1090.4	1121.6
162.5°	1042.5	1035.6	1028.8	1035.6	1042.5	1044.1	1054.3	1067.9	1074.8	1088.0	1114.2
165°	1059.3	1053.2	1047.0	1053.2	1059.3	1060.9	1065.6	1071.7	1074.8	1084.2	1103.1
167.5°	1069.7	1066.7	1063.8	1066.7	1069.7	1070.4	1074.2	1079.4	1082.1	1088.2	1100.6
170°	1080.7	1077.7	1074.8	1077.7	1080.7	1081.4	1081.6	1081.9	1082.1	1088.2	1100.6
172.5°	1081.9	1081.3	1080.7	1081.3	1081.9	1082.1	1082.1	1082.1	1082.1	1087.0	1096.7
175°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1086.5	1083.6	1082.1	1085.1	1091.3
177.5°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1087.0	1084.7	1083.6	1086.0	1090.8
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935065

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1201.6	1198.1	1202.8	1189.8	1202.8	1198.1	1201.6	1209.9	1202.8	1207.5	1212.2
5°	1054.4	1048.5	1029.6	1014.3	1029.6	1048.5	1054.4	1079.1	1090.8	1112.1	1140.4
7.5°	942.4	937.8	933.0	923.6	933.0	937.8	942.4	949.5	961.3	980.2	1001.4
10°	917.7	918.9	926.0	924.8	926.0	918.9	917.7	915.4	911.9	915.4	928.3
12.5°	981.3	992.0	1030.8	1028.5	1030.8	992.0	981.3	934.2	902.4	896.5	898.9
15°	1054.4	1057.9	1066.2	1067.3	1066.2	1057.9	1054.4	1035.5	940.1	898.9	885.9
17.5°	1061.4	1062.7	1068.5	1068.5	1068.5	1062.7	1061.4	1053.2	1021.4	966.0	893.0
20°	1055.5	1057.9	1069.7	1072.1	1069.7	1057.9	1055.5	1044.9	1027.3	1007.2	951.9
22.5°	1053.2	1057.9	1067.3	1066.2	1067.3	1057.9	1053.2	1036.7	1021.4	1007.2	984.8
25°	1041.4	1041.4	1042.6	1043.8	1042.6	1041.4	1041.4	1028.5	997.8	994.3	981.3
27.5°	1016.6	1019.0	1026.1	1024.9	1026.1	1019.0	1016.6	1012.0	979.0	975.4	966.0
30°	994.3	992.0	986.1	981.3	986.1	992.0	994.3	987.2	954.3	944.8	947.2
32.5°	956.6	950.7	944.8	941.3	944.8	950.7	956.6	954.3	929.5	916.5	918.9
35°	911.9	913.0	911.9	908.3	911.9	913.0	911.9	914.2	898.9	887.1	885.9
37.5°	880.1	882.3	881.2	876.5	881.2	882.3	880.1	877.7	856.4	852.9	855.3
40°	847.0	848.2	847.0	843.5	847.0	848.2	847.0	842.3	812.9	814.0	822.3
42.5°	815.2	814.0	810.5	808.1	810.5	814.0	815.2	808.1	770.4	766.9	782.2
45°	778.7	779.8	772.8	769.3	772.8	779.8	778.7	774.0	735.1	725.7	736.3
47.5°	742.2	742.2	736.3	732.8	736.3	742.2	742.2	736.3	695.1	685.6	691.5
50°	703.3	702.1	693.9	692.7	693.9	702.1	703.3	699.7	656.2	647.9	647.9
52.5°	658.6	658.6	659.7	662.1	659.7	658.6	658.6	659.7	620.9	612.6	610.2
55°	619.6	620.9	629.1	631.4	629.1	620.9	619.6	619.6	584.3	576.1	571.3
57.5°	579.6	579.6	585.5	585.5	585.5	579.6	579.6	577.2	543.1	536.0	533.7
60°	533.7	536.0	540.8	539.5	540.8	536.0	533.7	531.3	501.9	497.1	488.9
62.5°	485.3	487.7	488.9	486.6	488.9	487.7	485.3	478.3	460.7	457.1	446.5
65°	434.7	437.0	438.3	435.9	438.3	437.0	434.7	431.2	418.2	412.4	402.9
67.5°	382.9	381.7	380.5	385.2	380.5	381.7	382.9	378.2	369.9	365.2	352.3
70°	329.9	329.9	328.7	331.0	328.7	329.9	329.9	326.3	321.6	318.1	306.3
72.5°	273.3	272.1	276.8	273.3	276.8	272.1	273.3	272.1	269.8	266.2	254.4
75°	217.9	220.3	217.9	221.5	217.9	220.3	217.9	219.1	217.9	215.6	207.4
77.5°	166.1	168.5	166.1	166.1	166.1	168.5	166.1	167.3	167.3	167.3	160.2
80°	117.8	116.6	116.6	115.4	116.6	116.6	117.8	117.8	119.0	116.6	114.3
82.5°	75.4	74.2	74.2	76.6	74.2	74.2	75.4	76.6	74.2	74.2	74.2
85°	41.2	42.4	40.1	40.1	40.1	42.4	41.2	38.9	41.2	41.2	40.1
87.5°	15.3	14.1	14.1	14.1	14.1	14.1	15.3	16.5	16.5	16.5	17.7
90°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	37.0	49.4	55.5	47.7
92.5°	138.9	133.3	111.3	89.1	111.3	133.3	138.9	196.8	274.0	312.7	274.6
95°	471.3	454.6	387.7	320.8	387.7	454.6	471.3	618.9	815.7	914.0	771.9
97.5°	1088.0	1056.2	928.8	801.5	928.8	1056.2	1088.0	1181.2	1305.6	1367.8	1130.9
100°	1527.8	1489.9	1338.3	1186.6	1338.3	1489.9	1527.8	1521.0	1511.9	1507.3	1244.5
102.5°	1903.4	1870.9	1741.0	1611.1	1741.0	1870.9	1903.4	1784.5	1626.0	1546.8	1280.1
105°	2341.7	2324.2	2254.4	2184.6	2254.4	2324.2	2341.7	2075.2	1720.0	1542.4	1284.3
107.5°	2569.6	2573.9	2590.8	2607.7	2590.8	2573.9	2569.6	2198.0	1702.5	1454.7	1227.1
110°	2628.1	2646.3	2719.0	2791.8	2719.0	2646.3	2628.1	2212.6	1658.7	1381.7	1176.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2590.9	2618.8	2730.5	2842.2	2730.5	2618.8	2590.9	2165.6	1598.7	1315.2	1132.2
115°	2464.5	2503.2	2658.1	2813.0	2658.1	2503.2	2464.5	2054.9	1508.7	1235.5	1081.5
117.5°	2289.8	2332.8	2504.6	2676.4	2504.6	2332.8	2289.8	1920.1	1427.2	1180.7	1049.7
120°	2172.2	2213.9	2380.9	2547.8	2380.9	2213.9	2172.2	1834.4	1384.0	1158.8	1039.0
122.5°	2054.6	2095.8	2260.4	2425.0	2260.4	2095.8	2054.6	1750.4	1344.8	1142.0	1033.3
125°	1899.0	1936.9	2088.5	2240.2	2088.5	1936.9	1899.0	1640.6	1296.0	1123.7	1028.8
127.5°	1774.0	1806.0	1933.9	2061.9	1933.9	1806.0	1774.0	1552.1	1256.3	1108.4	1026.1
130°	1695.1	1724.6	1842.9	1961.1	1842.9	1724.6	1695.1	1497.6	1234.2	1102.5	1027.7
132.5°	1627.8	1654.3	1760.2	1866.0	1760.2	1654.3	1627.8	1451.0	1215.3	1097.4	1028.8
135°	1532.9	1555.7	1647.0	1738.2	1647.0	1555.7	1532.9	1384.8	1187.4	1088.7	1027.8
137.5°	1462.7	1481.4	1556.1	1630.8	1556.1	1481.4	1462.7	1337.6	1170.6	1087.2	1034.1
140°	1406.5	1424.0	1493.7	1563.6	1493.7	1424.0	1406.5	1298.4	1154.2	1082.1	1035.2
142.5°	1367.1	1382.1	1442.2	1502.2	1442.2	1382.1	1367.1	1272.0	1145.4	1082.1	1038.9
145°	1307.9	1319.2	1364.7	1410.1	1364.7	1319.2	1307.9	1230.1	1126.6	1074.8	1038.9
147.5°	1258.2	1267.6	1305.2	1342.9	1305.2	1267.6	1258.2	1197.0	1115.5	1074.8	1046.1
150°	1229.7	1237.4	1267.8	1298.4	1267.8	1237.4	1229.7	1178.1	1109.2	1074.8	1049.7
152.5°	1207.0	1212.8	1235.9	1258.9	1235.9	1212.8	1207.0	1163.0	1104.2	1074.8	1052.2
155°	1180.0	1183.8	1199.1	1214.3	1199.1	1183.8	1180.0	1145.0	1098.1	1074.8	1057.6
157.5°	1156.6	1159.3	1170.0	1180.7	1170.0	1159.3	1156.6	1129.3	1093.0	1074.8	1062.9
160°	1145.0	1146.5	1152.7	1158.8	1152.7	1146.5	1145.0	1121.6	1090.4	1074.8	1065.4
162.5°	1134.0	1135.5	1141.3	1147.1	1141.3	1135.5	1134.0	1114.2	1088.0	1074.8	1067.9
165°	1117.2	1118.8	1124.9	1131.1	1124.9	1118.8	1117.2	1103.1	1084.2	1074.8	1071.7
167.5°	1109.8	1110.4	1113.1	1115.7	1113.1	1110.4	1109.8	1100.6	1088.2	1082.1	1079.4
170°	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1100.6	1088.2	1082.1	1081.9
172.5°	1104.0	1103.5	1101.2	1098.9	1101.2	1103.5	1104.0	1096.7	1087.0	1082.1	1082.1
175°	1095.9	1095.9	1095.9	1095.9	1095.9	1095.9	1095.9	1091.3	1085.1	1082.1	1083.6
177.5°	1094.5	1093.9	1091.3	1088.7	1091.3	1093.9	1094.5	1090.8	1086.0	1083.6	1084.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1229.9	1235.8	1239.4	1244.0	1255.8
5°	1182.8	1205.2	1212.2	1229.9	1251.1
7.5°	1079.1	1147.4	1166.3	1208.7	1241.7
10°	979.0	1047.3	1080.3	1180.4	1229.9
12.5°	928.3	968.4	990.7	1131.0	1213.4
15°	896.5	924.8	941.3	1064.9	1194.6
17.5°	871.8	891.8	903.6	1000.2	1168.7
20°	856.4	865.9	876.5	953.0	1139.2
22.5°	845.9	840.0	848.2	920.1	1099.1
25°	838.8	816.4	825.9	894.2	1052.0
27.5°	844.7	795.2	798.7	870.6	1002.6
30°	845.9	769.3	770.4	845.9	947.2
32.5°	837.6	742.2	743.4	815.2	884.7
35°	817.6	710.4	709.2	779.8	799.9
37.5°	790.5	676.2	676.2	741.0	706.9
40°	757.5	642.0	645.6	690.3	624.4
42.5°	717.5	605.5	610.2	623.2	563.1
45°	673.8	570.2	573.7	526.6	516.0
47.5°	625.5	533.7	534.9	437.0	500.7
50°	567.8	496.0	491.2	374.6	499.5
52.5°	517.1	454.7	440.6	339.3	453.6
55°	467.7	411.1	380.5	312.1	420.5
57.5°	424.1	354.6	325.1	280.4	413.5
60°	384.1	299.2	276.8	246.2	379.3
62.5°	351.1	258.0	253.3	222.6	344.0
65°	315.7	229.8	228.5	202.6	292.1
67.5°	281.6	210.9	209.7	183.7	222.6
70°	245.0	190.9	188.5	163.7	164.9
72.5°	207.4	168.5	166.1	147.3	136.7
75°	169.6	142.5	141.4	128.4	110.8
77.5°	133.2	113.1	115.4	103.6	81.3
80°	95.4	82.5	84.8	74.2	61.2
82.5°	63.6	54.2	56.6	47.2	41.2
85°	35.3	30.7	31.8	24.8	18.9
87.5°	16.5	14.1	14.1	9.4	5.9
90°	32.1	20.5	19.0	13.2	7.3
92.5°	198.2	141.1	128.7	79.0	29.2
95°	487.8	274.7	252.0	161.1	70.2
97.5°	657.1	301.8	281.8	201.5	121.3
100°	718.7	324.4	306.3	233.5	160.7
102.5°	746.9	347.0	330.1	262.2	194.4
105°	767.9	380.7	366.3	308.8	251.4
107.5°	771.9	430.4	416.9	363.4	309.8
110°	766.0	458.1	446.0	397.6	349.2



TEST NUMBER: P935065

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	766.2	491.8	480.3	434.1	387.9
115°	773.3	542.2	531.5	489.0	446.4
117.5°	787.7	591.1	581.4	542.8	504.1
120°	799.3	619.6	610.5	574.1	537.8
122.5°	816.1	653.2	644.1	607.3	570.6
125°	838.8	696.3	688.0	654.5	621.0
127.5°	861.4	737.9	729.5	695.7	662.0
130°	877.9	765.7	756.6	720.2	683.8
132.5°	891.4	788.4	779.2	742.9	706.5
135°	906.1	814.7	806.5	773.3	740.1
137.5°	927.9	848.3	840.1	807.2	774.5
140°	941.3	870.9	863.4	833.2	802.9
142.5°	952.5	887.7	880.8	852.8	824.9
145°	967.2	913.3	907.3	882.9	858.5
147.5°	988.6	945.5	939.5	915.8	892.1
150°	999.8	962.3	956.9	935.5	914.0
152.5°	1007.1	973.2	969.2	953.0	936.7
155°	1023.1	997.3	994.3	982.3	970.3
157.5°	1039.2	1021.5	1018.6	1006.8	995.1
160°	1046.6	1032.4	1030.2	1021.1	1012.0
162.5°	1054.3	1044.1	1042.5	1035.6	1028.8
165°	1065.6	1060.9	1059.3	1053.2	1047.0
167.5°	1074.2	1070.4	1069.7	1066.7	1063.8
170°	1081.6	1081.4	1080.7	1077.7	1074.8
172.5°	1082.1	1082.1	1081.9	1081.3	1080.7
175°	1086.5	1088.7	1088.7	1088.7	1088.7
177.5°	1087.0	1088.7	1088.7	1088.7	1088.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935065  
 CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3000K

**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	8.88	9.59	9.98	10.69	12.21	11.71	12.43	12.82	13.53	15.04
	3H	9.34	9.98	10.45	11.09	12.62	13.05	13.69	14.16	14.80	16.33
	4H	9.53	10.14	10.65	11.24	12.78	13.49	14.10	14.61	15.21	16.74
	6H	9.64	10.20	10.77	11.31	12.86	13.77	14.33	14.90	15.44	16.99
	8H	9.63	10.17	10.77	11.29	12.83	13.84	14.37	14.97	15.50	17.04
	12H	9.60	10.11	10.74	11.23	12.79	13.88	14.38	15.01	15.50	17.07
4H	2H	9.89	10.50	11.02	11.61	13.15	12.11	12.71	13.23	13.82	15.36
	3H	10.91	11.41	12.04	12.55	14.10	13.60	14.11	14.73	15.24	16.79
	4H	11.18	11.64	12.31	12.77	14.33	14.12	14.59	15.26	15.71	17.28
	6H	11.29	11.69	12.44	12.84	14.40	14.48	14.88	15.63	16.03	17.59
	8H	11.30	11.67	12.44	12.81	14.38	14.59	14.96	15.73	16.10	17.67
	12H	11.26	11.59	12.42	12.74	14.32	14.64	14.98	15.80	16.13	17.71
8H	4H	11.62	11.99	12.76	13.13	14.71	14.24	14.61	15.38	15.75	17.32
	6H	11.87	12.18	13.04	13.36	14.94	14.67	14.98	15.83	16.16	17.73
	8H	11.92	12.18	13.09	13.34	14.94	14.82	15.09	15.99	16.25	17.84
	12H	11.89	12.13	13.07	13.29	14.91	14.91	15.15	16.09	16.31	17.93
12H	4H	11.62	11.96	12.78	13.11	14.69	14.19	14.53	15.35	15.68	17.26
	6H	11.93	12.20	13.10	13.36	14.96	14.66	14.93	15.83	16.09	17.69
	8H	11.99	12.23	13.17	13.39	15.01	14.82	15.06	15.99	16.21	17.84