

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: P935045

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

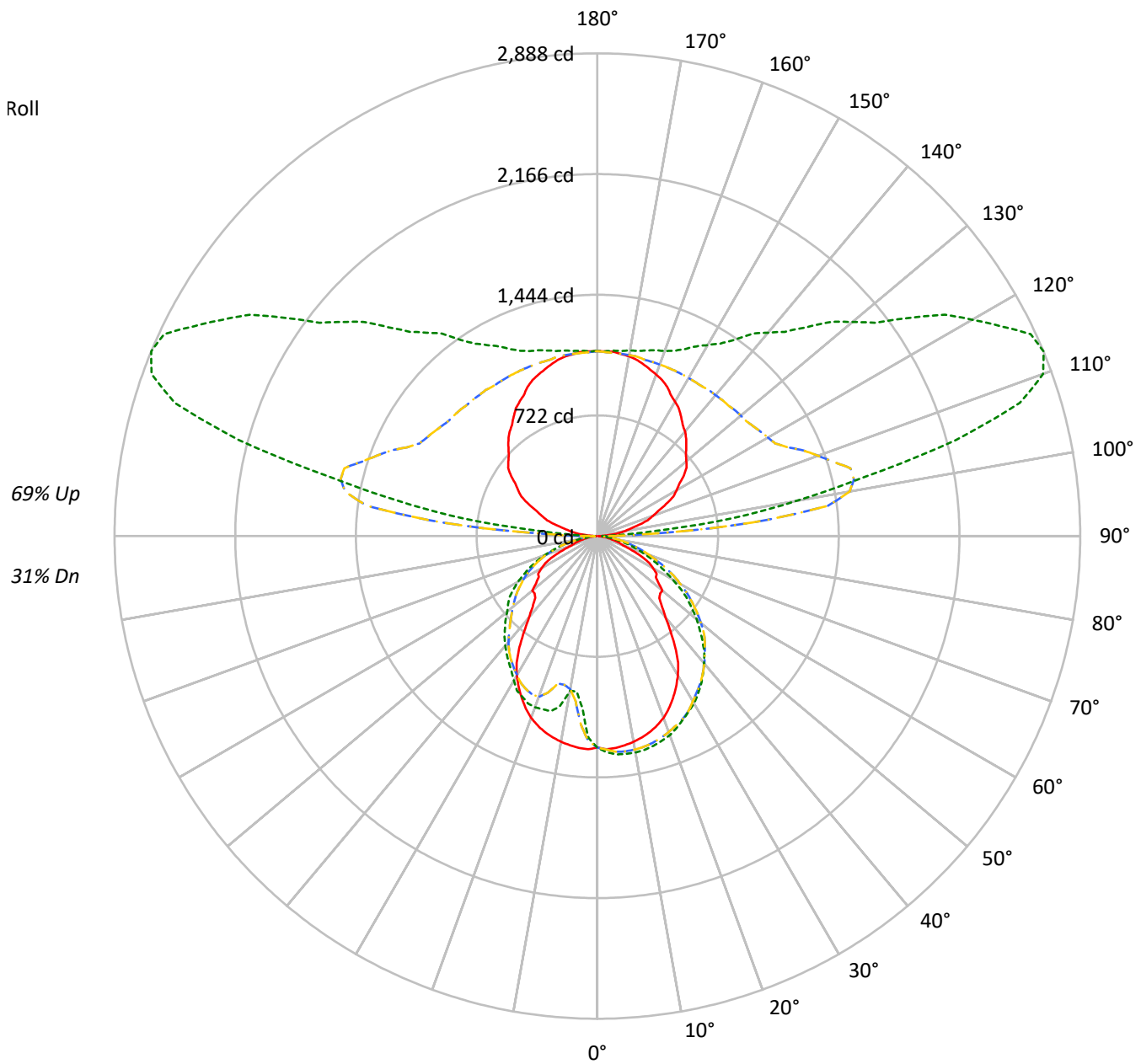
Test Method: LM-79-2019  
Report Number: P935045  
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10457.9 lumens  
Efficiency: N/A  
Efficacy: 126.9 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-92765-1D-UNV-STD-W-8-3500K

### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	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°	5872	5872	5872	5872
5°	5915	5927	5915	4661
10°	5876	5839	5876	4174
15°	5812	5712	5812	4769
20°	5690	5562	5690	4779
25°	5442	5343	5442	4678
30°	5120	5162	5120	4456
35°	4564	4932	4564	4212
40°	3804	4662	3804	4027
45°	3398	4346	3398	3814
50°	3610	3969	3610	3601
55°	3397	3562	3397	3478
60°	3501	3026	3501	3185
65°	3174	2501	3174	2796
70°	2198	1994	2198	2343
75°	1929	1474	1929	1764
80°	1552	974	1552	1060
85°	894	516	894	438

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5208 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.2	1.1
10°-20°	324.3	3.1
20°-30°	501.4	4.8
30°-40°	598.5	5.7
40°-50°	602.0	5.8
50°-60°	523.8	5.0
60°-70°	371.4	3.6
70°-80°	196.5	1.9
80°-90°	53.2	0.5
90°-100°	539.3	5.2
100°-110°	1417.9	13.6
110°-120°	1470.2	14.1
120°-130°	1179.3	11.3
130°-140°	925.3	8.8
140°-150°	710.2	6.8
150°-160°	511.5	4.9
160°-170°	313.0	3.0
170°-180°	105.7	1.0
0°-30°	940.0	9.0
0°-40°	1538.5	14.7
0°-60°	2664.4	25.5
0°-90°	3285.5	31.4
90°-120°	3427.5	32.8
90°-150°	6242.3	59.7
90°-180°	7172.0	68.6
0°-180°	10457.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1266	1266	1266	1266	1266	
5°	1272	1311	1272	1031	1272	121
15°	1214	1299	1214	1085	1214	342
25°	1069	1212	1069	1061	1069	491
35°	813	1081	813	923	813	503
45°	524	891	524	782	524	420
55°	427	657	427	642	427	393
65°	297	396	297	443	297	284
75°	113	188	113	225	113	118
85°	19	48	19	41	19	26
90°	7	28	7	28	7	7
95°	71	326	71	326	71	79
105°	256	2220	256	2220	256	271
115°	454	2859	454	2859	454	448
125°	631	2277	631	2277	631	560
135°	752	1767	752	1767	752	582
145°	872	1433	872	1433	872	547
155°	986	1234	986	1234	986	453
165°	1064	1150	1064	1150	1064	300
175°	1106	1114	1106	1114	1106	105
180°	1106	1106	1106	1106	1106	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1276.3	1276.3	1283.5	1285.9	1285.9	1282.2	1278.7	1282.2	1293.0	1296.6	1295.5
5°	1271.5	1281.1	1294.3	1296.6	1299.0	1297.9	1295.5	1297.9	1309.8	1312.2	1313.4
7.5°	1261.9	1279.9	1296.6	1300.3	1303.9	1300.3	1299.0	1301.4	1313.4	1315.8	1315.8
10°	1249.9	1275.1	1294.3	1296.6	1300.3	1296.6	1296.6	1301.4	1313.4	1315.8	1317.0
12.5°	1233.2	1267.9	1285.9	1288.2	1293.0	1291.9	1290.6	1295.5	1307.4	1309.8	1309.8
15°	1214.1	1254.8	1271.5	1273.9	1282.2	1279.9	1279.9	1284.7	1297.9	1301.4	1300.3
17.5°	1187.7	1238.0	1257.2	1260.7	1266.7	1265.6	1266.7	1271.5	1283.5	1285.9	1287.1
20°	1157.7	1215.2	1238.0	1241.5	1247.5	1247.5	1247.5	1253.5	1265.6	1270.3	1270.3
22.5°	1117.0	1191.3	1215.2	1217.6	1224.9	1224.9	1227.2	1235.6	1246.4	1247.5	1247.5
25°	1069.2	1165.0	1185.3	1192.5	1199.7	1203.3	1206.8	1211.6	1215.2	1214.1	1215.2
27.5°	1018.9	1131.4	1157.7	1162.5	1172.1	1175.8	1180.5	1181.7	1182.9	1186.5	1184.1
30°	962.6	1084.7	1124.3	1129.1	1144.6	1147.0	1142.2	1144.6	1150.6	1153.0	1155.4
32.5°	899.1	1015.3	1089.5	1100.3	1114.7	1107.5	1106.3	1109.9	1119.4	1119.4	1121.8
35°	812.9	961.4	1057.2	1066.8	1077.6	1069.2	1074.0	1075.2	1081.1	1084.7	1083.6
37.5°	718.4	914.8	1023.7	1030.9	1039.3	1028.5	1035.6	1039.3	1044.0	1041.6	1041.6
40°	634.6	841.7	984.2	988.9	996.2	987.8	994.9	997.3	999.7	997.3	996.2
42.5°	572.3	761.5	942.2	948.2	943.4	949.5	951.8	956.6	953.1	948.2	948.2
45°	524.4	739.9	896.7	904.0	896.7	906.4	909.9	909.9	899.1	896.7	895.6
47.5°	508.9	696.8	851.3	851.3	847.6	859.7	865.7	857.3	846.5	842.9	842.9
50°	507.6	648.9	789.0	784.3	800.9	815.3	809.3	800.9	792.6	779.4	779.4
52.5°	460.9	590.3	708.8	726.8	753.1	761.5	751.9	743.6	729.2	723.1	718.4
55°	427.4	529.2	635.7	671.7	699.2	710.0	692.0	683.7	662.1	658.5	656.1
57.5°	420.2	440.6	568.7	614.2	647.7	646.5	635.7	620.2	602.3	598.7	597.4
60°	385.5	318.5	496.8	550.7	585.5	581.9	572.3	557.9	541.2	538.8	536.4
62.5°	349.6	231.1	415.4	476.5	525.6	524.4	516.0	494.5	482.5	476.5	471.7
65°	296.9	194.0	295.7	396.3	466.9	469.3	451.4	435.8	422.7	415.4	414.3
67.5°	226.3	158.1	199.9	330.4	410.7	408.3	385.5	378.4	361.6	358.0	350.8
70°	167.6	105.3	138.9	268.2	355.6	349.6	331.6	323.3	307.7	299.3	294.6
72.5°	138.9	85.0	101.8	208.3	299.3	292.2	276.5	267.0	253.9	246.6	241.8
75°	112.6	89.8	77.8	154.4	243.1	238.2	223.9	214.3	203.5	194.0	195.1
77.5°	82.7	83.8	62.2	113.7	192.8	185.6	177.2	165.2	160.4	150.9	150.9
80°	62.2	65.9	46.7	77.8	138.9	138.9	131.7	123.4	115.0	110.1	110.1
82.5°	41.9	41.9	34.7	49.1	94.6	91.0	86.2	83.8	79.0	76.6	76.6
85°	19.2	23.9	21.5	29.9	51.5	53.9	53.9	51.5	50.3	47.9	49.1
87.5°	6.0	10.8	13.2	16.8	26.3	27.6	28.7	28.7	28.7	29.9	29.9
90°	7.4	13.4	19.3	20.8	32.7	48.5	56.4	50.2	37.6	28.2	28.2
92.5°	29.7	80.2	130.8	143.4	201.5	279.0	317.8	278.5	200.0	141.1	135.5
95°	71.3	163.7	256.1	279.2	495.8	784.5	928.9	829.0	628.9	479.0	462.0
97.5°	123.3	204.8	286.4	306.7	667.9	1149.3	1390.1	1326.9	1200.5	1105.7	1073.4
100°	163.3	237.3	311.3	329.7	730.4	1264.8	1531.9	1536.6	1545.8	1552.7	1514.2
102.5°	197.5	266.4	335.4	352.7	759.1	1301.0	1572.0	1652.5	1813.6	1934.4	1901.4
105°	255.5	313.8	372.2	386.9	780.4	1305.2	1567.5	1748.0	2109.1	2379.9	2362.1
107.5°	314.8	369.3	423.7	437.4	784.4	1247.1	1478.4	1730.3	2233.9	2611.5	2615.8
110°	354.9	404.1	453.3	465.6	778.5	1195.6	1404.2	1685.7	2248.7	2671.0	2689.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	394.3	441.1	488.1	499.8	778.7	1150.7	1336.6	1624.7	2200.9	2633.1	2661.5
115°	453.7	496.9	540.2	551.0	785.9	1099.1	1255.6	1533.3	2088.4	2504.7	2544.1
117.5°	512.4	551.6	590.9	600.7	800.5	1066.8	1199.9	1450.4	1951.4	2327.1	2370.8
120°	546.6	583.5	620.5	629.7	812.4	1056.0	1177.7	1406.6	1864.3	2207.6	2250.0
122.5°	579.9	617.2	654.6	663.8	829.4	1050.2	1160.6	1366.7	1778.9	2088.1	2130.0
125°	631.2	665.2	699.2	707.7	852.5	1045.5	1142.0	1317.2	1667.3	1929.9	1968.5
127.5°	672.8	707.0	741.4	750.0	875.5	1042.8	1126.5	1276.8	1577.4	1802.9	1835.4
130°	695.0	731.9	768.9	778.2	892.3	1044.5	1120.5	1254.3	1522.0	1722.8	1752.7
132.5°	718.0	755.0	791.9	801.2	905.9	1045.5	1115.3	1235.1	1474.7	1654.4	1681.2
135°	752.2	785.9	819.6	828.0	920.8	1044.5	1106.4	1206.7	1407.4	1557.9	1581.1
137.5°	787.1	820.4	853.8	862.1	943.1	1051.0	1104.9	1189.7	1359.4	1486.6	1505.6
140°	816.0	846.7	877.4	885.1	956.6	1052.0	1099.7	1173.0	1319.6	1429.4	1447.2
142.5°	838.3	866.7	895.1	902.2	968.0	1055.8	1099.7	1164.1	1292.8	1389.4	1404.6
145°	872.5	897.3	922.1	928.2	983.0	1055.9	1092.3	1145.0	1250.2	1329.2	1340.7
147.5°	906.6	930.7	954.8	960.9	1004.7	1063.1	1092.3	1133.7	1216.6	1278.7	1288.2
150°	928.9	950.7	972.5	978.0	1016.1	1066.9	1092.3	1127.3	1197.3	1249.8	1257.5
152.5°	952.0	968.5	985.0	989.1	1023.5	1069.4	1092.3	1122.2	1181.9	1226.7	1232.6
155°	986.1	998.3	1010.5	1013.6	1039.8	1074.8	1092.3	1116.0	1163.6	1199.2	1203.1
157.5°	1011.3	1023.2	1035.2	1038.1	1056.1	1080.2	1092.3	1110.8	1147.7	1175.5	1178.2
160°	1028.5	1037.8	1047.0	1049.3	1063.6	1082.7	1092.3	1108.2	1139.9	1163.6	1165.2
162.5°	1045.5	1052.5	1059.5	1061.1	1071.5	1085.3	1092.3	1105.7	1132.4	1152.5	1154.0
165°	1064.1	1070.3	1076.6	1078.2	1082.9	1089.2	1092.3	1101.9	1121.0	1135.4	1137.0
167.5°	1081.1	1084.1	1087.1	1087.8	1091.8	1097.0	1099.7	1106.0	1118.5	1127.9	1128.5
170°	1092.3	1095.2	1098.3	1099.0	1099.3	1099.5	1099.7	1106.0	1118.5	1127.9	1127.9
172.5°	1098.3	1098.9	1099.5	1099.7	1099.7	1099.7	1099.7	1104.7	1114.6	1122.0	1121.5
175°	1106.4	1106.4	1106.4	1106.4	1104.2	1101.2	1099.7	1102.8	1109.1	1113.8	1113.8
177.5°	1106.4	1106.4	1106.4	1106.4	1104.7	1102.4	1101.2	1103.7	1108.6	1112.4	1111.8
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1297.9	1294.3	1297.9	1295.5	1296.6	1293.0	1282.2	1278.7	1282.2	1285.9	1285.9
5°	1313.4	1311.0	1313.4	1313.4	1312.2	1309.8	1297.9	1295.5	1297.9	1299.0	1296.6
7.5°	1318.2	1314.7	1318.2	1315.8	1315.8	1313.4	1301.4	1299.0	1300.3	1303.9	1300.3
10°	1318.2	1314.7	1318.2	1317.0	1315.8	1313.4	1301.4	1296.6	1296.6	1300.3	1296.6
12.5°	1312.2	1309.8	1312.2	1309.8	1309.8	1307.4	1295.5	1290.6	1291.9	1293.0	1288.2
15°	1302.6	1299.0	1302.6	1300.3	1301.4	1297.9	1284.7	1279.9	1279.9	1282.2	1273.9
17.5°	1288.2	1283.5	1288.2	1287.1	1285.9	1283.5	1271.5	1266.7	1265.6	1266.7	1260.7
20°	1271.5	1267.9	1271.5	1270.3	1270.3	1265.6	1253.5	1247.5	1247.5	1247.5	1241.5
22.5°	1245.2	1241.5	1245.2	1247.5	1247.5	1246.4	1235.6	1227.2	1224.9	1224.9	1217.6
25°	1215.2	1211.6	1215.2	1215.2	1214.1	1215.2	1211.6	1206.8	1203.3	1199.7	1192.5
27.5°	1186.5	1184.1	1186.5	1184.1	1186.5	1182.9	1181.7	1180.5	1175.8	1172.1	1162.5
30°	1157.7	1155.4	1157.7	1155.4	1153.0	1150.6	1144.6	1142.2	1147.0	1144.6	1129.1
32.5°	1121.8	1119.4	1121.8	1121.8	1119.4	1119.4	1109.9	1106.3	1107.5	1114.7	1100.3
35°	1084.7	1081.1	1084.7	1083.6	1084.7	1081.1	1075.2	1074.0	1069.2	1077.6	1066.8
37.5°	1041.6	1038.0	1041.6	1041.6	1041.6	1044.0	1039.3	1035.6	1028.5	1039.3	1030.9
40°	997.3	992.5	997.3	996.2	997.3	999.7	997.3	994.9	987.8	996.2	988.9
42.5°	947.1	945.8	947.1	948.2	948.2	953.1	956.6	951.8	949.5	943.4	948.2
45°	893.2	890.7	893.2	895.6	896.7	899.1	909.9	909.9	906.4	896.7	904.0
47.5°	835.7	829.7	835.7	842.9	842.9	846.5	857.3	865.7	859.7	847.6	851.3
50°	774.6	775.9	774.6	779.4	779.4	792.6	800.9	809.3	815.3	800.9	784.3
52.5°	714.8	713.6	714.8	718.4	723.1	729.2	743.6	751.9	761.5	753.1	726.8
55°	654.9	657.3	654.9	656.1	658.5	662.1	683.7	692.0	710.0	699.2	671.7
57.5°	595.0	591.5	595.0	597.4	598.7	602.3	620.2	635.7	646.5	647.7	614.2
60°	525.6	520.8	525.6	536.4	538.8	541.2	557.9	572.3	581.9	585.5	550.7
62.5°	464.5	456.1	464.5	471.7	476.5	482.5	494.5	516.0	524.4	525.6	476.5
65°	399.9	396.3	399.9	414.3	415.4	422.7	435.8	451.4	469.3	466.9	396.3
67.5°	341.2	341.2	341.2	350.8	358.0	361.6	378.4	385.5	408.3	410.7	330.4
70°	287.3	286.2	287.3	294.6	299.3	307.7	323.3	331.6	349.6	355.6	268.2
72.5°	235.8	234.7	235.8	241.8	246.6	253.9	267.0	276.5	292.2	299.3	208.3
75°	190.4	188.0	190.4	195.1	194.0	203.5	214.3	223.9	238.2	243.1	154.4
77.5°	146.0	146.0	146.0	150.9	150.9	160.4	165.2	177.2	185.6	192.8	113.7
80°	109.0	107.7	109.0	110.1	110.1	115.0	123.4	131.7	138.9	138.9	77.8
82.5°	76.6	74.3	76.6	76.6	76.6	79.0	83.8	86.2	91.0	94.6	49.1
85°	47.9	47.9	47.9	49.1	47.9	50.3	51.5	53.9	53.9	51.5	29.9
87.5°	31.2	29.9	31.2	29.9	29.9	28.7	28.7	28.7	27.6	26.3	16.8
90°	28.2	28.2	28.2	28.2	28.2	37.6	50.2	56.4	48.5	32.7	20.8
92.5°	113.1	90.6	113.1	135.5	141.1	200.0	278.5	317.8	279.0	201.5	143.4
95°	394.0	326.0	394.0	462.0	479.0	628.9	829.0	928.9	784.5	495.8	279.2
97.5°	943.9	814.6	943.9	1073.4	1105.7	1200.5	1326.9	1390.1	1149.3	667.9	306.7
100°	1360.1	1205.9	1360.1	1514.2	1552.7	1545.8	1536.6	1531.9	1264.8	730.4	329.7
102.5°	1769.4	1637.3	1769.4	1901.4	1934.4	1813.6	1652.5	1572.0	1301.0	759.1	352.7
105°	2291.2	2220.2	2291.2	2362.1	2379.9	2109.1	1748.0	1567.5	1305.2	780.4	386.9
107.5°	2633.1	2650.2	2633.1	2615.8	2611.5	2233.9	1730.3	1478.4	1247.1	784.4	437.4
110°	2763.4	2837.3	2763.4	2689.5	2671.0	2248.7	1685.7	1404.2	1195.6	778.5	465.6





TEST NUMBER: P935045

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2775.0	2888.5	2775.0	2661.5	2633.1	2200.9	1624.7	1336.6	1150.7	778.7	499.8
115°	2701.4	2858.9	2701.4	2544.1	2504.7	2088.4	1533.3	1255.6	1099.1	785.9	551.0
117.5°	2545.4	2720.0	2545.4	2370.8	2327.1	1951.4	1450.4	1199.9	1066.8	800.5	600.7
120°	2419.7	2589.3	2419.7	2250.0	2207.6	1864.3	1406.6	1177.7	1056.0	812.4	629.7
122.5°	2297.2	2464.5	2297.2	2130.0	2088.1	1778.9	1366.7	1160.6	1050.2	829.4	663.8
125°	2122.6	2276.7	2122.6	1968.5	1929.9	1667.3	1317.2	1142.0	1045.5	852.5	707.7
127.5°	1965.5	2095.5	1965.5	1835.4	1802.9	1577.4	1276.8	1126.5	1042.8	875.5	750.0
130°	1872.9	1993.0	1872.9	1752.7	1722.8	1522.0	1254.3	1120.5	1044.5	892.3	778.2
132.5°	1788.9	1896.5	1788.9	1681.2	1654.4	1474.7	1235.1	1115.3	1045.5	905.9	801.2
135°	1673.8	1766.6	1673.8	1581.1	1557.9	1407.4	1206.7	1106.4	1044.5	920.8	828.0
137.5°	1581.5	1657.4	1581.5	1505.6	1486.6	1359.4	1189.7	1104.9	1051.0	943.1	862.1
140°	1518.1	1589.0	1518.1	1447.2	1429.4	1319.6	1173.0	1099.7	1052.0	956.6	885.1
142.5°	1465.7	1526.7	1465.7	1404.6	1389.4	1292.8	1164.1	1099.7	1055.8	968.0	902.2
145°	1387.0	1433.1	1387.0	1340.7	1329.2	1250.2	1145.0	1092.3	1055.9	983.0	928.2
147.5°	1326.5	1364.8	1326.5	1288.2	1278.7	1216.6	1133.7	1092.3	1063.1	1004.7	960.9
150°	1288.5	1319.6	1288.5	1257.5	1249.8	1197.3	1127.3	1092.3	1066.9	1016.1	978.0
152.5°	1256.0	1279.4	1256.0	1232.6	1226.7	1181.9	1122.2	1092.3	1069.4	1023.5	989.1
155°	1218.6	1234.1	1218.6	1203.1	1199.2	1163.6	1116.0	1092.3	1074.8	1039.8	1013.6
157.5°	1189.1	1199.9	1189.1	1178.2	1175.5	1147.7	1110.8	1092.3	1080.2	1056.1	1038.1
160°	1171.5	1177.7	1171.5	1165.2	1163.6	1139.9	1108.2	1092.3	1082.7	1063.6	1049.3
162.5°	1159.9	1165.9	1159.9	1154.0	1152.5	1132.4	1105.7	1092.3	1085.3	1071.5	1061.1
165°	1143.3	1149.5	1143.3	1137.0	1135.4	1121.0	1101.9	1092.3	1089.2	1082.9	1078.2
167.5°	1131.2	1133.9	1131.2	1128.5	1127.9	1118.5	1106.0	1099.7	1097.0	1091.8	1087.8
170°	1127.9	1127.9	1127.9	1127.9	1127.9	1118.5	1106.0	1099.7	1099.5	1099.3	1099.0
172.5°	1119.2	1116.8	1119.2	1121.5	1122.0	1114.6	1104.7	1099.7	1099.7	1099.7	1099.7
175°	1113.8	1113.8	1113.8	1113.8	1113.8	1109.1	1102.8	1099.7	1101.2	1104.2	1106.4
177.5°	1109.1	1106.4	1109.1	1111.8	1112.4	1108.6	1103.7	1101.2	1102.4	1104.7	1106.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935045

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1283.5	1276.3	1276.3	1264.3	1259.6	1255.9	1249.9	1232.0	1227.2	1222.4	1229.6
5°	1294.3	1281.1	1271.5	1249.9	1232.0	1224.9	1202.1	1159.0	1130.2	1108.6	1096.7
7.5°	1296.6	1279.9	1261.9	1228.4	1185.3	1166.1	1096.7	1017.7	996.2	977.0	965.0
10°	1294.3	1275.1	1249.9	1199.7	1097.9	1064.4	994.9	943.4	930.3	926.7	930.3
12.5°	1285.9	1267.9	1233.2	1149.4	1006.9	984.2	943.4	913.5	911.1	917.1	949.5
15°	1271.5	1254.8	1214.1	1082.3	956.6	939.8	911.1	900.4	913.5	955.5	1052.4
17.5°	1257.2	1238.0	1187.7	1016.5	918.3	906.4	886.0	907.5	981.8	1038.0	1070.3
20°	1238.0	1215.2	1157.7	968.6	890.7	880.0	870.4	967.4	1023.7	1044.0	1062.0
22.5°	1215.2	1191.3	1117.0	935.1	862.0	853.7	859.7	1000.9	1023.7	1038.0	1053.6
25°	1185.3	1165.0	1069.2	908.8	839.3	829.7	852.5	997.3	1010.5	1014.1	1045.3
27.5°	1157.7	1131.4	1018.9	884.8	811.7	808.2	858.4	981.8	991.3	994.9	1028.5
30°	1124.3	1084.7	962.6	859.7	783.0	781.8	859.7	962.6	960.2	969.8	1003.3
32.5°	1089.5	1015.3	899.1	828.5	755.5	754.3	851.3	933.9	931.4	944.7	969.8
35°	1057.2	961.4	812.9	792.6	720.8	722.0	830.9	900.4	901.5	913.5	929.1
37.5°	1023.7	914.8	718.4	753.1	687.2	687.2	803.4	869.2	866.8	870.4	892.0
40°	984.2	841.7	634.6	701.6	656.1	652.5	769.9	835.7	827.3	826.1	856.0
42.5°	942.2	761.5	572.3	633.4	620.2	615.4	729.2	795.0	779.4	783.0	821.3
45°	896.7	739.9	524.4	535.2	583.1	579.5	684.8	748.3	737.5	747.1	786.6
47.5°	851.3	696.8	508.9	444.2	543.6	542.4	635.7	702.8	696.8	706.4	748.3
50°	789.0	648.9	507.6	380.7	499.2	504.1	577.1	658.5	658.5	666.9	711.2
52.5°	708.8	590.3	460.9	344.8	447.7	462.1	525.6	620.2	622.6	631.0	670.4
55°	635.7	529.2	427.4	317.2	386.7	417.8	475.3	580.6	585.5	593.9	629.7
57.5°	568.7	440.6	420.2	284.9	330.4	360.4	431.0	542.4	544.8	551.9	586.6
60°	496.8	318.5	385.5	250.2	281.4	304.1	390.3	496.8	505.2	510.0	539.9
62.5°	415.4	231.1	349.6	226.3	257.4	262.2	356.8	453.8	464.5	468.2	486.1
65°	295.7	194.0	296.9	205.9	232.3	233.5	320.9	409.4	419.1	425.1	438.2
67.5°	199.9	158.1	226.3	186.7	213.2	214.3	286.2	358.0	371.2	376.0	384.4
70°	138.9	105.3	167.6	166.4	191.6	194.0	249.0	311.3	323.3	326.9	331.6
72.5°	101.8	85.0	138.9	149.7	168.8	171.2	210.7	258.6	270.6	274.2	276.5
75°	77.8	89.8	112.6	130.5	143.7	144.9	172.4	210.7	219.1	221.5	222.7
77.5°	62.2	83.8	82.7	105.3	117.3	115.0	135.3	162.8	170.0	170.0	170.0
80°	46.7	65.9	62.2	75.4	86.2	83.8	96.9	116.1	118.5	121.0	119.7
82.5°	34.7	41.9	41.9	47.9	57.5	55.1	64.6	75.4	75.4	75.4	77.8
85°	21.5	23.9	19.2	25.2	32.3	31.2	35.9	40.7	41.9	41.9	39.5
87.5°	13.2	10.8	6.0	9.6	14.4	14.4	16.8	17.9	16.8	16.8	16.8
90°	19.3	13.4	7.4	13.4	19.3	20.8	32.7	48.5	56.4	50.2	37.6
92.5°	130.8	80.2	29.7	80.2	130.8	143.4	201.5	279.0	317.8	278.5	200.0
95°	256.1	163.7	71.3	163.7	256.1	279.2	495.8	784.5	928.9	829.0	628.9
97.5°	286.4	204.8	123.3	204.8	286.4	306.7	667.9	1149.3	1390.1	1326.9	1200.5
100°	311.3	237.3	163.3	237.3	311.3	329.7	730.4	1264.8	1531.9	1536.6	1545.8
102.5°	335.4	266.4	197.5	266.4	335.4	352.7	759.1	1301.0	1572.0	1652.5	1813.6
105°	372.2	313.8	255.5	313.8	372.2	386.9	780.4	1305.2	1567.5	1748.0	2109.1
107.5°	423.7	369.3	314.8	369.3	423.7	437.4	784.4	1247.1	1478.4	1730.3	2233.9
110°	453.3	404.1	354.9	404.1	453.3	465.6	778.5	1195.6	1404.2	1685.7	2248.7



TEST NUMBER: P935045

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	488.1	441.1	394.3	441.1	488.1	499.8	778.7	1150.7	1336.6	1624.7	2200.9
115°	540.2	496.9	453.7	496.9	540.2	551.0	785.9	1099.1	1255.6	1533.3	2088.4
117.5°	590.9	551.6	512.4	551.6	590.9	600.7	800.5	1066.8	1199.9	1450.4	1951.4
120°	620.5	583.5	546.6	583.5	620.5	629.7	812.4	1056.0	1177.7	1406.6	1864.3
122.5°	654.6	617.2	579.9	617.2	654.6	663.8	829.4	1050.2	1160.6	1366.7	1778.9
125°	699.2	665.2	631.2	665.2	699.2	707.7	852.5	1045.5	1142.0	1317.2	1667.3
127.5°	741.4	707.0	672.8	707.0	741.4	750.0	875.5	1042.8	1126.5	1276.8	1577.4
130°	768.9	731.9	695.0	731.9	768.9	778.2	892.3	1044.5	1120.5	1254.3	1522.0
132.5°	791.9	755.0	718.0	755.0	791.9	801.2	905.9	1045.5	1115.3	1235.1	1474.7
135°	819.6	785.9	752.2	785.9	819.6	828.0	920.8	1044.5	1106.4	1206.7	1407.4
137.5°	853.8	820.4	787.1	820.4	853.8	862.1	943.1	1051.0	1104.9	1189.7	1359.4
140°	877.4	846.7	816.0	846.7	877.4	885.1	956.6	1052.0	1099.7	1173.0	1319.6
142.5°	895.1	866.7	838.3	866.7	895.1	902.2	968.0	1055.8	1099.7	1164.1	1292.8
145°	922.1	897.3	872.5	897.3	922.1	928.2	983.0	1055.9	1092.3	1145.0	1250.2
147.5°	954.8	930.7	906.6	930.7	954.8	960.9	1004.7	1063.1	1092.3	1133.7	1216.6
150°	972.5	950.7	928.9	950.7	972.5	978.0	1016.1	1066.9	1092.3	1127.3	1197.3
152.5°	985.0	968.5	952.0	968.5	985.0	989.1	1023.5	1069.4	1092.3	1122.2	1181.9
155°	1010.5	998.3	986.1	998.3	1010.5	1013.6	1039.8	1074.8	1092.3	1116.0	1163.6
157.5°	1035.2	1023.2	1011.3	1023.2	1035.2	1038.1	1056.1	1080.2	1092.3	1110.8	1147.7
160°	1047.0	1037.8	1028.5	1037.8	1047.0	1049.3	1063.6	1082.7	1092.3	1108.2	1139.9
162.5°	1059.5	1052.5	1045.5	1052.5	1059.5	1061.1	1071.5	1085.3	1092.3	1105.7	1132.4
165°	1076.6	1070.3	1064.1	1070.3	1076.6	1078.2	1082.9	1089.2	1092.3	1101.9	1121.0
167.5°	1087.1	1084.1	1081.1	1084.1	1087.1	1087.8	1091.8	1097.0	1099.7	1106.0	1118.5
170°	1098.3	1095.2	1092.3	1095.2	1098.3	1099.0	1099.3	1099.5	1099.7	1106.0	1118.5
172.5°	1099.5	1098.9	1098.3	1098.9	1099.5	1099.7	1099.7	1099.7	1099.7	1104.7	1114.6
175°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1104.2	1101.2	1099.7	1102.8	1109.1
177.5°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1104.7	1102.4	1101.2	1103.7	1108.6
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935045

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1221.2	1217.6	1222.4	1209.2	1222.4	1217.6	1221.2	1229.6	1222.4	1227.2	1232.0
5°	1071.6	1065.6	1046.4	1030.9	1046.4	1065.6	1071.6	1096.7	1108.6	1130.2	1159.0
7.5°	957.8	953.1	948.2	938.7	948.2	953.1	957.8	965.0	977.0	996.2	1017.7
10°	932.7	933.9	941.1	939.8	941.1	933.9	932.7	930.3	926.7	930.3	943.4
12.5°	997.3	1008.1	1047.6	1045.3	1047.6	1008.1	997.3	949.5	917.1	911.1	913.5
15°	1071.6	1075.2	1083.6	1084.7	1083.6	1075.2	1071.6	1052.4	955.5	913.5	900.4
17.5°	1078.7	1080.0	1086.0	1086.0	1086.0	1080.0	1078.7	1070.3	1038.0	981.8	907.5
20°	1072.8	1075.2	1087.1	1089.5	1087.1	1075.2	1072.8	1062.0	1044.0	1023.7	967.4
22.5°	1070.3	1075.2	1084.7	1083.6	1084.7	1075.2	1070.3	1053.6	1038.0	1023.7	1000.9
25°	1058.4	1058.4	1059.6	1060.8	1059.6	1058.4	1058.4	1045.3	1014.1	1010.5	997.3
27.5°	1033.2	1035.6	1042.8	1041.6	1042.8	1035.6	1033.2	1028.5	994.9	991.3	981.8
30°	1010.5	1008.1	1002.1	997.3	1002.1	1008.1	1010.5	1003.3	969.8	960.2	962.6
32.5°	972.2	966.2	960.2	956.6	960.2	966.2	972.2	969.8	944.7	931.4	933.9
35°	926.7	927.9	926.7	923.1	926.7	927.9	926.7	929.1	913.5	901.5	900.4
37.5°	894.4	896.7	895.6	890.7	895.6	896.7	894.4	892.0	870.4	866.8	869.2
40°	860.8	862.0	860.8	857.3	860.8	862.0	860.8	856.0	826.1	827.3	835.7
42.5°	828.5	827.3	823.7	821.3	823.7	827.3	828.5	821.3	783.0	779.4	795.0
45°	791.4	792.6	785.4	781.8	785.4	792.6	791.4	786.6	747.1	737.5	748.3
47.5°	754.3	754.3	748.3	744.7	748.3	754.3	754.3	748.3	706.4	696.8	702.8
50°	714.8	713.6	705.2	704.0	705.2	713.6	714.8	711.2	666.9	658.5	658.5
52.5°	669.3	669.3	670.4	672.9	670.4	669.3	669.3	670.4	631.0	622.6	620.2
55°	629.7	631.0	639.4	641.7	639.4	631.0	629.7	629.7	593.9	585.5	580.6
57.5°	589.0	589.0	595.0	595.0	595.0	589.0	589.0	586.6	551.9	544.8	542.4
60°	542.4	544.8	549.6	548.3	549.6	544.8	542.4	539.9	510.0	505.2	496.8
62.5°	493.3	495.7	496.8	494.5	496.8	495.7	493.3	486.1	468.2	464.5	453.8
65°	441.8	444.2	445.4	443.0	445.4	444.2	441.8	438.2	425.1	419.1	409.4
67.5°	389.1	387.9	386.7	391.5	386.7	387.9	389.1	384.4	376.0	371.2	358.0
70°	335.3	335.3	334.0	336.4	334.0	335.3	335.3	331.6	326.9	323.3	311.3
72.5°	277.8	276.5	281.4	277.8	281.4	276.5	277.8	276.5	274.2	270.6	258.6
75°	221.5	223.9	221.5	225.1	221.5	223.9	221.5	222.7	221.5	219.1	210.7
77.5°	168.8	171.2	168.8	168.8	168.8	171.2	168.8	170.0	170.0	170.0	162.8
80°	119.7	118.5	118.5	117.3	118.5	118.5	119.7	119.7	121.0	118.5	116.1
82.5°	76.6	75.4	75.4	77.8	75.4	75.4	76.6	77.8	75.4	75.4	75.4
85°	41.9	43.1	40.7	40.7	40.7	43.1	41.9	39.5	41.9	41.9	40.7
87.5°	15.5	14.4	14.4	14.4	14.4	14.4	15.5	16.8	16.8	16.8	17.9
90°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	37.6	50.2	56.4	48.5
92.5°	141.1	135.5	113.1	90.6	113.1	135.5	141.1	200.0	278.5	317.8	279.0
95°	479.0	462.0	394.0	326.0	394.0	462.0	479.0	628.9	829.0	928.9	784.5
97.5°	1105.7	1073.4	943.9	814.6	943.9	1073.4	1105.7	1200.5	1326.9	1390.1	1149.3
100°	1552.7	1514.2	1360.1	1205.9	1360.1	1514.2	1552.7	1545.8	1536.6	1531.9	1264.8
102.5°	1934.4	1901.4	1769.4	1637.3	1769.4	1901.4	1934.4	1813.6	1652.5	1572.0	1301.0
105°	2379.9	2362.1	2291.2	2220.2	2291.2	2362.1	2379.9	2109.1	1748.0	1567.5	1305.2
107.5°	2611.5	2615.8	2633.1	2650.2	2633.1	2615.8	2611.5	2233.9	1730.3	1478.4	1247.1
110°	2671.0	2689.5	2763.4	2837.3	2763.4	2689.5	2671.0	2248.7	1685.7	1404.2	1195.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2633.1	2661.5	2775.0	2888.5	2775.0	2661.5	2633.1	2200.9	1624.7	1336.6	1150.7
115°	2504.7	2544.1	2701.4	2858.9	2701.4	2544.1	2504.7	2088.4	1533.3	1255.6	1099.1
117.5°	2327.1	2370.8	2545.4	2720.0	2545.4	2370.8	2327.1	1951.4	1450.4	1199.9	1066.8
120°	2207.6	2250.0	2419.7	2589.3	2419.7	2250.0	2207.6	1864.3	1406.6	1177.7	1056.0
122.5°	2088.1	2130.0	2297.2	2464.5	2297.2	2130.0	2088.1	1778.9	1366.7	1160.6	1050.2
125°	1929.9	1968.5	2122.6	2276.7	2122.6	1968.5	1929.9	1667.3	1317.2	1142.0	1045.5
127.5°	1802.9	1835.4	1965.5	2095.5	1965.5	1835.4	1802.9	1577.4	1276.8	1126.5	1042.8
130°	1722.8	1752.7	1872.9	1993.0	1872.9	1752.7	1722.8	1522.0	1254.3	1120.5	1044.5
132.5°	1654.4	1681.2	1788.9	1896.5	1788.9	1681.2	1654.4	1474.7	1235.1	1115.3	1045.5
135°	1557.9	1581.1	1673.8	1766.6	1673.8	1581.1	1557.9	1407.4	1206.7	1106.4	1044.5
137.5°	1486.6	1505.6	1581.5	1657.4	1581.5	1505.6	1486.6	1359.4	1189.7	1104.9	1051.0
140°	1429.4	1447.2	1518.1	1589.0	1518.1	1447.2	1429.4	1319.6	1173.0	1099.7	1052.0
142.5°	1389.4	1404.6	1465.7	1526.7	1465.7	1404.6	1389.4	1292.8	1164.1	1099.7	1055.8
145°	1329.2	1340.7	1387.0	1433.1	1387.0	1340.7	1329.2	1250.2	1145.0	1092.3	1055.9
147.5°	1278.7	1288.2	1326.5	1364.8	1326.5	1288.2	1278.7	1216.6	1133.7	1092.3	1063.1
150°	1249.8	1257.5	1288.5	1319.6	1288.5	1257.5	1249.8	1197.3	1127.3	1092.3	1066.9
152.5°	1226.7	1232.6	1256.0	1279.4	1256.0	1232.6	1226.7	1181.9	1122.2	1092.3	1069.4
155°	1199.2	1203.1	1218.6	1234.1	1218.6	1203.1	1199.2	1163.6	1116.0	1092.3	1074.8
157.5°	1175.5	1178.2	1189.1	1199.9	1189.1	1178.2	1175.5	1147.7	1110.8	1092.3	1080.2
160°	1163.6	1165.2	1171.5	1177.7	1171.5	1165.2	1163.6	1139.9	1108.2	1092.3	1082.7
162.5°	1152.5	1154.0	1159.9	1165.9	1159.9	1154.0	1152.5	1132.4	1105.7	1092.3	1085.3
165°	1135.4	1137.0	1143.3	1149.5	1143.3	1137.0	1135.4	1121.0	1101.9	1092.3	1089.2
167.5°	1127.9	1128.5	1131.2	1133.9	1131.2	1128.5	1127.9	1118.5	1106.0	1099.7	1097.0
170°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1118.5	1106.0	1099.7	1099.5
172.5°	1122.0	1121.5	1119.2	1116.8	1119.2	1121.5	1122.0	1114.6	1104.7	1099.7	1099.7
175°	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1109.1	1102.8	1099.7	1101.2
177.5°	1112.4	1111.8	1109.1	1106.4	1109.1	1111.8	1112.4	1108.6	1103.7	1101.2	1102.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1249.9	1255.9	1259.6	1264.3	1276.3
5°	1202.1	1224.9	1232.0	1249.9	1271.5
7.5°	1096.7	1166.1	1185.3	1228.4	1261.9
10°	994.9	1064.4	1097.9	1199.7	1249.9
12.5°	943.4	984.2	1006.9	1149.4	1233.2
15°	911.1	939.8	956.6	1082.3	1214.1
17.5°	886.0	906.4	918.3	1016.5	1187.7
20°	870.4	880.0	890.7	968.6	1157.7
22.5°	859.7	853.7	862.0	935.1	1117.0
25°	852.5	829.7	839.3	908.8	1069.2
27.5°	858.4	808.2	811.7	884.8	1018.9
30°	859.7	781.8	783.0	859.7	962.6
32.5°	851.3	754.3	755.5	828.5	899.1
35°	830.9	722.0	720.8	792.6	812.9
37.5°	803.4	687.2	687.2	753.1	718.4
40°	769.9	652.5	656.1	701.6	634.6
42.5°	729.2	615.4	620.2	633.4	572.3
45°	684.8	579.5	583.1	535.2	524.4
47.5°	635.7	542.4	543.6	444.2	508.9
50°	577.1	504.1	499.2	380.7	507.6
52.5°	525.6	462.1	447.7	344.8	460.9
55°	475.3	417.8	386.7	317.2	427.4
57.5°	431.0	360.4	330.4	284.9	420.2
60°	390.3	304.1	281.4	250.2	385.5
62.5°	356.8	262.2	257.4	226.3	349.6
65°	320.9	233.5	232.3	205.9	296.9
67.5°	286.2	214.3	213.2	186.7	226.3
70°	249.0	194.0	191.6	166.4	167.6
72.5°	210.7	171.2	168.8	149.7	138.9
75°	172.4	144.9	143.7	130.5	112.6
77.5°	135.3	115.0	117.3	105.3	82.7
80°	96.9	83.8	86.2	75.4	62.2
82.5°	64.6	55.1	57.5	47.9	41.9
85°	35.9	31.2	32.3	25.2	19.2
87.5°	16.8	14.4	14.4	9.6	6.0
90°	32.7	20.8	19.3	13.4	7.4
92.5°	201.5	143.4	130.8	80.2	29.7
95°	495.8	279.2	256.1	163.7	71.3
97.5°	667.9	306.7	286.4	204.8	123.3
100°	730.4	329.7	311.3	237.3	163.3
102.5°	759.1	352.7	335.4	266.4	197.5
105°	780.4	386.9	372.2	313.8	255.5
107.5°	784.4	437.4	423.7	369.3	314.8
110°	778.5	465.6	453.3	404.1	354.9



TEST NUMBER: P935045

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	778.7	499.8	488.1	441.1	394.3
115°	785.9	551.0	540.2	496.9	453.7
117.5°	800.5	600.7	590.9	551.6	512.4
120°	812.4	629.7	620.5	583.5	546.6
122.5°	829.4	663.8	654.6	617.2	579.9
125°	852.5	707.7	699.2	665.2	631.2
127.5°	875.5	750.0	741.4	707.0	672.8
130°	892.3	778.2	768.9	731.9	695.0
132.5°	905.9	801.2	791.9	755.0	718.0
135°	920.8	828.0	819.6	785.9	752.2
137.5°	943.1	862.1	853.8	820.4	787.1
140°	956.6	885.1	877.4	846.7	816.0
142.5°	968.0	902.2	895.1	866.7	838.3
145°	983.0	928.2	922.1	897.3	872.5
147.5°	1004.7	960.9	954.8	930.7	906.6
150°	1016.1	978.0	972.5	950.7	928.9
152.5°	1023.5	989.1	985.0	968.5	952.0
155°	1039.8	1013.6	1010.5	998.3	986.1
157.5°	1056.1	1038.1	1035.2	1023.2	1011.3
160°	1063.6	1049.3	1047.0	1037.8	1028.5
162.5°	1071.5	1061.1	1059.5	1052.5	1045.5
165°	1082.9	1078.2	1076.6	1070.3	1064.1
167.5°	1091.8	1087.8	1087.1	1084.1	1081.1
170°	1099.3	1099.0	1098.3	1095.2	1092.3
172.5°	1099.7	1099.7	1099.5	1098.9	1098.3
175°	1104.2	1106.4	1106.4	1106.4	1106.4
177.5°	1104.7	1106.4	1106.4	1106.4	1106.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935045  
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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	8.93	9.65	10.04	10.75	12.26	11.77	12.49	12.87	13.58	15.10
	3H	9.40	10.04	10.51	11.15	12.68	13.11	13.75	14.22	14.86	16.39
	4H	9.58	10.19	10.70	11.30	12.84	13.55	14.15	14.67	15.26	16.80
	6H	9.69	10.25	10.82	11.36	12.91	13.83	14.38	14.95	15.50	17.04
	8H	9.69	10.22	10.82	11.35	12.89	13.90	14.43	15.03	15.56	17.10
	12H	9.66	10.16	10.79	11.28	12.85	13.93	14.44	15.07	15.56	17.12
4H	2H	9.95	10.56	11.08	11.67	13.20	12.16	12.77	13.29	13.88	15.41
	3H	10.96	11.47	12.10	12.60	14.15	13.66	14.16	14.79	15.30	16.85
	4H	11.23	11.70	12.37	12.82	14.39	14.18	14.65	15.32	15.77	17.34
	6H	11.35	11.75	12.49	12.89	14.45	14.54	14.94	15.68	16.08	17.64
	8H	11.35	11.72	12.49	12.86	14.44	14.64	15.02	15.79	16.15	17.73
	12H	11.31	11.65	12.47	12.80	14.38	14.69	15.03	15.85	16.18	17.76
8H	4H	11.68	12.05	12.82	13.19	14.76	14.29	14.66	15.44	15.80	17.38
	6H	11.93	12.24	13.10	13.42	14.99	14.72	15.03	15.89	16.21	17.79
	8H	11.97	12.24	13.14	13.40	14.99	14.88	15.14	16.05	16.30	17.90
	12H	11.95	12.19	13.12	13.34	14.97	14.97	15.21	16.14	16.36	17.99
12H	4H	11.67	12.01	12.84	13.16	14.74	14.25	14.59	15.41	15.74	17.32
	6H	11.99	12.26	13.16	13.42	15.01	14.72	14.99	15.89	16.15	17.74
	8H	12.05	12.29	13.22	13.44	15.07	14.88	15.11	16.05	16.27	17.90