

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: P935044

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935044
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-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

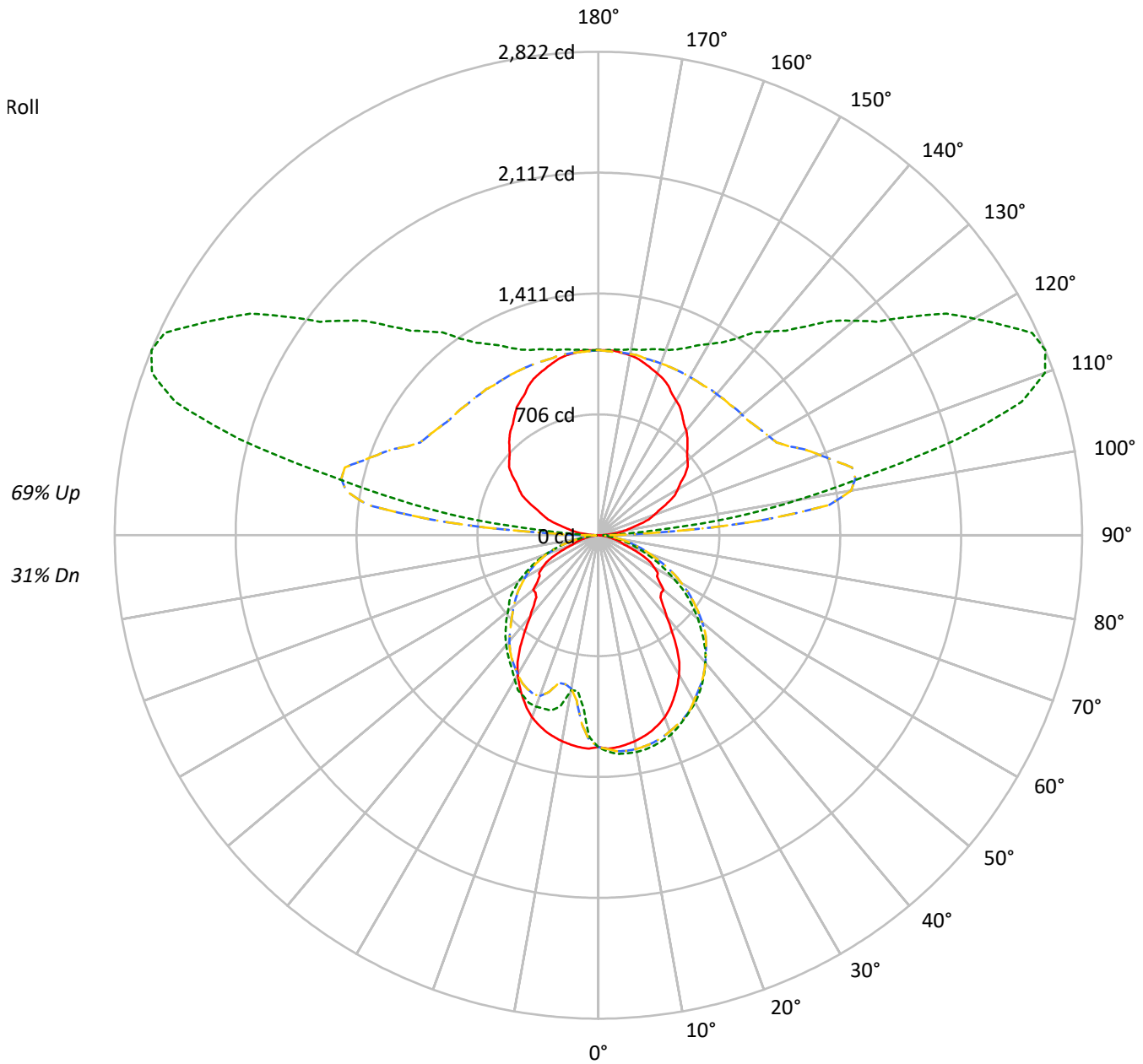
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10216.8 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3000K

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	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°	5736	5736	5736	5736
5°	5779	5790	5779	4553
10°	5740	5704	5740	4078
15°	5678	5580	5678	4660
20°	5559	5433	5559	4669
25°	5316	5220	5316	4570
30°	5002	5043	5002	4353
35°	4459	4819	4459	4114
40°	3716	4555	3716	3934
45°	3320	4246	3320	3727
50°	3527	3878	3527	3519
55°	3318	3481	3318	3398
60°	3421	2956	3421	3112
65°	3101	2444	3101	2731
70°	2148	1948	2148	2290
75°	1884	1440	1884	1724
80°	1517	952	1517	1036
85°	871	504	871	429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5088 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	1.1
10°-20°	316.9	3.1
20°-30°	489.8	4.8
30°-40°	584.7	5.7
40°-50°	588.2	5.8
50°-60°	511.8	5.0
60°-70°	362.9	3.6
70°-80°	192.0	1.9
80°-90°	51.9	0.5
90°-100°	526.9	5.2
100°-110°	1385.2	13.6
110°-120°	1436.3	14.1
120°-130°	1152.1	11.3
130°-140°	904.0	8.8
140°-150°	693.8	6.8
150°-160°	499.7	4.9
160°-170°	305.7	3.0
170°-180°	103.3	1.0
0°-30°	918.3	9.0
0°-40°	1503.0	14.7
0°-60°	2603.0	25.5
0°-90°	3209.7	31.4
90°-120°	3348.4	32.8
90°-150°	6098.3	59.7
90°-180°	7007.0	68.6
0°-180°	10216.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1242	1281	1242	1007	1242	118
15°	1186	1269	1186	1060	1186	334
25°	1044	1184	1044	1036	1044	480
35°	794	1056	794	902	794	491
45°	512	870	512	764	512	410
55°	418	642	418	627	418	384
65°	290	387	290	433	290	277
75°	110	184	110	220	110	116
85°	19	47	19	40	19	25
90°	7	28	7	28	7	7
95°	70	318	70	318	70	77
105°	250	2169	250	2169	250	265
115°	443	2793	443	2793	443	438
125°	617	2224	617	2224	617	547
135°	735	1726	735	1726	735	569
145°	852	1400	852	1400	852	534
155°	963	1206	963	1206	963	443
165°	1040	1123	1040	1123	1040	293
175°	1081	1088	1081	1088	1081	103
180°	1081	1081	1081	1081	1081	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1246.8	1246.8	1253.9	1256.3	1256.3	1252.7	1249.2	1252.7	1263.2	1266.7	1265.6
5°	1242.2	1251.5	1264.4	1266.7	1269.1	1267.9	1265.6	1267.9	1279.6	1282.0	1283.1
7.5°	1232.8	1250.4	1266.7	1270.3	1273.8	1270.3	1269.1	1271.4	1283.1	1285.5	1285.5
10°	1221.1	1245.7	1264.4	1266.7	1270.3	1266.7	1266.7	1271.4	1283.1	1285.5	1286.6
12.5°	1204.7	1238.6	1256.3	1258.5	1263.2	1262.1	1260.9	1265.6	1277.3	1279.6	1279.6
15°	1186.1	1225.8	1242.2	1244.5	1252.7	1250.4	1250.4	1255.0	1267.9	1271.4	1270.3
17.5°	1160.3	1209.4	1228.2	1231.7	1237.5	1236.4	1237.5	1242.2	1253.9	1256.3	1257.4
20°	1131.0	1187.2	1209.4	1212.9	1218.8	1218.8	1218.8	1224.6	1236.4	1241.0	1241.0
22.5°	1091.3	1163.8	1187.2	1189.5	1196.6	1196.6	1198.9	1207.1	1217.6	1218.8	1218.8
25°	1044.5	1138.1	1158.0	1165.0	1172.0	1175.5	1179.0	1183.7	1187.2	1186.1	1187.2
27.5°	995.4	1105.3	1131.0	1135.7	1145.1	1148.6	1153.3	1154.5	1155.6	1159.1	1156.8
30°	940.4	1059.7	1098.3	1103.0	1118.2	1120.6	1115.9	1118.2	1124.1	1126.4	1128.8
32.5°	878.4	991.9	1064.4	1075.0	1089.0	1081.9	1080.8	1084.3	1093.6	1093.6	1096.0
35°	794.2	939.3	1032.8	1042.2	1052.7	1044.5	1049.2	1050.4	1056.2	1059.7	1058.6
37.5°	701.8	893.7	1000.0	1007.1	1015.3	1004.8	1011.7	1015.3	1019.9	1017.6	1017.6
40°	619.9	822.2	961.5	966.1	973.2	965.0	972.0	974.3	976.7	974.3	973.2
42.5°	559.1	743.9	920.5	926.4	921.7	927.6	929.8	934.6	931.1	926.4	926.4
45°	512.3	722.8	876.0	883.1	876.0	885.5	889.0	889.0	878.4	876.0	874.9
47.5°	497.1	680.7	831.7	831.7	828.1	839.9	845.7	837.5	826.9	823.5	823.5
50°	495.9	634.0	770.8	766.2	782.5	796.5	790.7	782.5	774.3	761.5	761.5
52.5°	450.3	576.7	692.5	710.0	735.7	743.9	734.5	726.4	712.4	706.4	701.8
55°	417.5	517.0	621.1	656.2	683.1	693.6	676.1	667.9	646.8	643.3	640.9
57.5°	410.6	430.4	555.6	600.0	632.7	631.6	621.1	605.9	588.4	584.9	583.7
60°	376.6	311.1	485.4	538.0	572.0	568.5	559.1	545.0	528.7	526.4	524.0
62.5°	341.6	225.8	405.8	465.5	513.5	512.3	504.1	483.1	471.3	465.5	460.9
65°	290.0	189.5	288.9	387.2	456.2	458.5	441.0	425.7	412.9	405.8	404.7
67.5°	221.1	154.4	195.3	322.8	401.2	398.9	376.6	369.7	353.3	349.8	342.7
70°	163.8	102.9	135.7	262.0	347.4	341.6	324.0	315.9	300.6	292.4	287.8
72.5°	135.7	83.0	99.4	203.5	292.4	285.4	270.2	260.8	248.0	240.9	236.2
75°	110.0	87.7	76.0	150.9	237.5	232.7	218.7	209.4	198.8	189.5	190.6
77.5°	80.8	81.9	60.8	111.1	188.4	181.3	173.1	161.4	156.7	147.4	147.4
80°	60.8	64.4	45.6	76.0	135.7	135.7	128.6	120.5	112.3	107.6	107.6
82.5°	40.9	40.9	33.9	48.0	92.4	88.9	84.2	81.9	77.2	74.8	74.8
85°	18.7	23.4	21.0	29.2	50.3	52.7	52.7	50.3	49.1	46.8	48.0
87.5°	5.8	10.6	12.9	16.4	25.7	26.9	28.1	28.1	28.1	29.2	29.2
90°	7.2	13.1	18.8	20.3	31.9	47.4	55.1	49.0	36.7	27.6	27.6
92.5°	29.0	78.4	127.8	140.0	196.8	272.6	310.4	272.1	195.4	137.9	132.4
95°	69.7	159.9	250.2	272.8	484.3	766.4	907.5	809.9	614.4	467.9	451.4
97.5°	120.4	200.0	279.7	299.6	652.5	1122.8	1358.0	1296.3	1172.8	1080.2	1048.6
100°	159.6	231.8	304.1	322.1	713.6	1235.6	1496.6	1501.1	1510.1	1516.9	1479.2
102.5°	193.0	260.3	327.7	344.5	741.6	1271.0	1535.7	1614.4	1771.8	1889.8	1857.5
105°	249.6	306.6	363.6	377.9	762.4	1275.1	1531.4	1707.7	2060.4	2325.0	2307.7
107.5°	307.6	360.8	414.0	427.3	766.3	1218.3	1444.3	1690.4	2182.4	2551.3	2555.5
110°	346.7	394.8	442.8	454.9	760.5	1168.0	1371.8	1646.8	2196.8	2609.4	2627.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	385.2	431.0	476.8	488.3	760.8	1124.1	1305.8	1587.3	2150.2	2572.4	2600.1
115°	443.3	485.5	527.8	538.3	767.7	1073.7	1226.7	1497.9	2040.2	2446.9	2485.4
117.5°	500.5	538.9	577.3	586.9	782.0	1042.2	1172.3	1417.0	1906.4	2273.5	2316.1
120°	533.9	570.0	606.2	615.1	793.6	1031.6	1150.6	1374.2	1821.3	2156.7	2198.1
122.5°	566.6	603.0	639.5	648.5	810.3	1025.9	1133.8	1335.2	1737.9	2039.9	2080.8
125°	616.6	649.8	683.1	691.3	832.8	1021.4	1115.7	1286.8	1628.9	1885.4	1923.1
127.5°	657.3	690.7	724.3	732.7	855.3	1018.8	1100.5	1247.4	1541.1	1761.3	1793.1
130°	679.0	715.1	751.2	760.2	871.7	1020.4	1094.7	1225.4	1486.9	1683.0	1712.3
132.5°	701.5	737.6	773.7	782.7	885.0	1021.4	1089.6	1206.6	1440.7	1616.2	1642.5
135°	734.9	767.7	800.7	808.9	899.6	1020.5	1080.9	1178.9	1374.9	1522.0	1544.6
137.5°	769.0	801.5	834.1	842.2	921.3	1026.7	1079.4	1162.2	1328.0	1452.3	1470.9
140°	797.2	827.2	857.2	864.7	934.6	1027.8	1074.3	1145.9	1289.1	1396.5	1413.8
142.5°	819.0	846.7	874.5	881.4	945.7	1031.4	1074.3	1137.2	1263.0	1357.3	1372.2
145°	852.4	876.6	900.8	906.8	960.3	1031.5	1067.1	1118.6	1221.4	1298.5	1309.8
147.5°	885.7	909.3	932.8	938.7	981.6	1038.6	1067.1	1107.6	1188.5	1249.2	1258.5
150°	907.5	928.8	950.1	955.4	992.6	1042.3	1067.1	1101.3	1169.7	1220.9	1228.5
152.5°	930.0	946.2	962.3	966.3	999.9	1044.7	1067.1	1096.3	1154.7	1198.4	1204.2
155°	963.3	975.3	987.2	990.2	1015.8	1050.0	1067.1	1090.3	1136.8	1171.6	1175.3
157.5°	988.0	999.6	1011.3	1014.2	1031.8	1055.3	1067.1	1085.2	1121.3	1148.4	1151.0
160°	1004.8	1013.8	1022.8	1025.1	1039.1	1057.8	1067.1	1082.6	1113.6	1136.8	1138.4
162.5°	1021.4	1028.2	1035.0	1036.7	1046.8	1060.3	1067.1	1080.2	1106.3	1125.9	1127.4
165°	1039.6	1045.7	1051.8	1053.3	1058.0	1064.1	1067.1	1076.4	1095.2	1109.2	1110.8
167.5°	1056.2	1059.1	1062.1	1062.7	1066.6	1071.7	1074.3	1080.5	1092.7	1101.9	1102.5
170°	1067.1	1070.0	1073.0	1073.6	1073.9	1074.2	1074.3	1080.5	1092.7	1101.9	1101.9
172.5°	1073.0	1073.6	1074.2	1074.3	1074.3	1074.3	1074.3	1079.2	1088.9	1096.1	1095.6
175°	1080.9	1080.9	1080.9	1080.9	1078.7	1075.8	1074.3	1077.4	1083.5	1088.1	1088.1
177.5°	1080.9	1080.9	1080.9	1080.9	1079.2	1077.0	1075.8	1078.3	1083.1	1086.7	1086.1
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1267.9	1264.4	1267.9	1265.6	1266.7	1263.2	1252.7	1249.2	1252.7	1256.3	1256.3
5°	1283.1	1280.8	1283.1	1283.1	1282.0	1279.6	1267.9	1265.6	1267.9	1269.1	1266.7
7.5°	1287.8	1284.3	1287.8	1285.5	1285.5	1283.1	1271.4	1269.1	1270.3	1273.8	1270.3
10°	1287.8	1284.3	1287.8	1286.6	1285.5	1283.1	1271.4	1266.7	1266.7	1270.3	1266.7
12.5°	1282.0	1279.6	1282.0	1279.6	1279.6	1277.3	1265.6	1260.9	1262.1	1263.2	1258.5
15°	1272.6	1269.1	1272.6	1270.3	1271.4	1267.9	1255.0	1250.4	1250.4	1252.7	1244.5
17.5°	1258.5	1253.9	1258.5	1257.4	1256.3	1253.9	1242.2	1237.5	1236.4	1237.5	1231.7
20°	1242.2	1238.6	1242.2	1241.0	1241.0	1236.4	1224.6	1218.8	1218.8	1218.8	1212.9
22.5°	1216.5	1212.9	1216.5	1218.8	1218.8	1217.6	1207.1	1198.9	1196.6	1196.6	1189.5
25°	1187.2	1183.7	1187.2	1187.2	1186.1	1187.2	1183.7	1179.0	1175.5	1172.0	1165.0
27.5°	1159.1	1156.8	1159.1	1156.8	1159.1	1155.6	1154.5	1153.3	1148.6	1145.1	1135.7
30°	1131.0	1128.8	1131.0	1128.8	1126.4	1124.1	1118.2	1115.9	1120.6	1118.2	1103.0
32.5°	1096.0	1093.6	1096.0	1096.0	1093.6	1093.6	1084.3	1080.8	1081.9	1089.0	1075.0
35°	1059.7	1056.2	1059.7	1058.6	1059.7	1056.2	1050.4	1049.2	1044.5	1052.7	1042.2
37.5°	1017.6	1014.1	1017.6	1017.6	1017.6	1019.9	1015.3	1011.7	1004.8	1015.3	1007.1
40°	974.3	969.6	974.3	973.2	974.3	976.7	974.3	972.0	965.0	973.2	966.1
42.5°	925.2	924.0	925.2	926.4	926.4	931.1	934.6	929.8	927.6	921.7	926.4
45°	872.6	870.2	872.6	874.9	876.0	878.4	889.0	889.0	885.5	876.0	883.1
47.5°	816.4	810.6	816.4	823.5	823.5	826.9	837.5	845.7	839.9	828.1	831.7
50°	756.8	758.0	756.8	761.5	761.5	774.3	782.5	790.7	796.5	782.5	766.2
52.5°	698.3	697.1	698.3	701.8	706.4	712.4	726.4	734.5	743.9	735.7	710.0
55°	639.8	642.2	639.8	640.9	643.3	646.8	667.9	676.1	693.6	683.1	656.2
57.5°	581.3	577.8	581.3	583.7	584.9	588.4	605.9	621.1	631.6	632.7	600.0
60°	513.5	508.8	513.5	524.0	526.4	528.7	545.0	559.1	568.5	572.0	538.0
62.5°	453.8	445.6	453.8	460.9	465.5	471.3	483.1	504.1	512.3	513.5	465.5
65°	390.7	387.2	390.7	404.7	405.8	412.9	425.7	441.0	458.5	456.2	387.2
67.5°	333.4	333.4	333.4	342.7	349.8	353.3	369.7	376.6	398.9	401.2	322.8
70°	280.7	279.6	280.7	287.8	292.4	300.6	315.9	324.0	341.6	347.4	262.0
72.5°	230.4	229.3	230.4	236.2	240.9	248.0	260.8	270.2	285.4	292.4	203.5
75°	186.0	183.7	186.0	190.6	189.5	198.8	209.4	218.7	232.7	237.5	150.9
77.5°	142.7	142.7	142.7	147.4	147.4	156.7	161.4	173.1	181.3	188.4	111.1
80°	106.5	105.3	106.5	107.6	107.6	112.3	120.5	128.6	135.7	135.7	76.0
82.5°	74.8	72.6	74.8	74.8	74.8	77.2	81.9	84.2	88.9	92.4	48.0
85°	46.8	46.8	46.8	48.0	46.8	49.1	50.3	52.7	52.7	50.3	29.2
87.5°	30.4	29.2	30.4	29.2	29.2	28.1	28.1	28.1	26.9	25.7	16.4
90°	27.6	27.6	27.6	27.6	27.6	36.7	49.0	55.1	47.4	31.9	20.3
92.5°	110.5	88.5	110.5	132.4	137.9	195.4	272.1	310.4	272.6	196.8	140.0
95°	384.9	318.5	384.9	451.4	467.9	614.4	809.9	907.5	766.4	484.3	272.8
97.5°	922.2	795.8	922.2	1048.6	1080.2	1172.8	1296.3	1358.0	1122.8	652.5	299.6
100°	1328.7	1178.1	1328.7	1479.2	1516.9	1510.1	1501.1	1496.6	1235.6	713.6	322.1
102.5°	1728.5	1599.6	1728.5	1857.5	1889.8	1771.8	1614.4	1535.7	1271.0	741.6	344.5
105°	2238.3	2169.0	2238.3	2307.7	2325.0	2060.4	1707.7	1531.4	1275.1	762.4	377.9
107.5°	2572.3	2589.1	2572.3	2555.5	2551.3	2182.4	1690.4	1444.3	1218.3	766.3	427.3
110°	2699.6	2771.8	2699.6	2627.4	2609.4	2196.8	1646.8	1371.8	1168.0	760.5	454.9



TEST NUMBER: P935044

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2711.0	2821.9	2711.0	2600.1	2572.4	2150.2	1587.3	1305.8	1124.1	760.8	488.3
115°	2639.1	2793.0	2639.1	2485.4	2446.9	2040.2	1497.9	1226.7	1073.7	767.7	538.3
117.5°	2486.7	2657.3	2486.7	2316.1	2273.5	1906.4	1417.0	1172.3	1042.2	782.0	586.9
120°	2363.9	2529.6	2363.9	2198.1	2156.7	1821.3	1374.2	1150.6	1031.6	793.6	615.1
122.5°	2244.3	2407.7	2244.3	2080.8	2039.9	1737.9	1335.2	1133.8	1025.9	810.3	648.5
125°	2073.6	2224.2	2073.6	1923.1	1885.4	1628.9	1286.8	1115.7	1021.4	832.8	691.3
127.5°	1920.1	2047.2	1920.1	1793.1	1761.3	1541.1	1247.4	1100.5	1018.8	855.3	732.7
130°	1829.7	1947.1	1829.7	1712.3	1683.0	1486.9	1225.4	1094.7	1020.4	871.7	760.2
132.5°	1747.6	1852.7	1747.6	1642.5	1616.2	1440.7	1206.6	1089.6	1021.4	885.0	782.7
135°	1635.2	1725.8	1635.2	1544.6	1522.0	1374.9	1178.9	1080.9	1020.5	899.6	808.9
137.5°	1545.0	1619.2	1545.0	1470.9	1452.3	1328.0	1162.2	1079.4	1026.7	921.3	842.2
140°	1483.1	1552.4	1483.1	1413.8	1396.5	1289.1	1145.9	1074.3	1027.8	934.6	864.7
142.5°	1431.9	1491.5	1431.9	1372.2	1357.3	1263.0	1137.2	1074.3	1031.4	945.7	881.4
145°	1355.0	1400.1	1355.0	1309.8	1298.5	1221.4	1118.6	1067.1	1031.5	960.3	906.8
147.5°	1295.9	1333.3	1295.9	1258.5	1249.2	1188.5	1107.6	1067.1	1038.6	981.6	938.7
150°	1258.8	1289.1	1258.8	1228.5	1220.9	1169.7	1101.3	1067.1	1042.3	992.6	955.4
152.5°	1227.0	1249.9	1227.0	1204.2	1198.4	1154.7	1096.3	1067.1	1044.7	999.9	966.3
155°	1190.5	1205.7	1190.5	1175.3	1171.6	1136.8	1090.3	1067.1	1050.0	1015.8	990.2
157.5°	1161.6	1172.3	1161.6	1151.0	1148.4	1121.3	1085.2	1067.1	1055.3	1031.8	1014.2
160°	1144.5	1150.6	1144.5	1138.4	1136.8	1113.6	1082.6	1067.1	1057.8	1039.1	1025.1
162.5°	1133.1	1139.0	1133.1	1127.4	1125.9	1106.3	1080.2	1067.1	1060.3	1046.8	1036.7
165°	1116.9	1123.0	1116.9	1110.8	1109.2	1095.2	1076.4	1067.1	1064.1	1058.0	1053.3
167.5°	1105.1	1107.7	1105.1	1102.5	1101.9	1092.7	1080.5	1074.3	1071.7	1066.6	1062.7
170°	1101.9	1101.9	1101.9	1101.9	1101.9	1092.7	1080.5	1074.3	1074.2	1073.9	1073.6
172.5°	1093.4	1091.1	1093.4	1095.6	1096.1	1088.9	1079.2	1074.3	1074.3	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8	1078.7	1080.9
177.5°	1083.5	1080.9	1083.5	1086.1	1086.7	1083.1	1078.3	1075.8	1077.0	1079.2	1080.9
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1253.9	1246.8	1246.8	1235.1	1230.5	1227.0	1221.1	1203.6	1198.9	1194.3	1201.2
5°	1264.4	1251.5	1242.2	1221.1	1203.6	1196.6	1174.4	1132.2	1104.2	1083.1	1071.4
7.5°	1266.7	1250.4	1232.8	1200.1	1158.0	1139.2	1071.4	994.2	973.2	954.4	942.8
10°	1264.4	1245.7	1221.1	1172.0	1072.6	1039.8	972.0	921.7	908.8	905.3	908.8
12.5°	1256.3	1238.6	1204.7	1122.9	983.7	961.5	921.7	892.4	890.1	895.9	927.6
15°	1242.2	1225.8	1186.1	1057.3	934.6	918.2	890.1	879.6	892.4	933.4	1028.1
17.5°	1228.2	1209.4	1160.3	993.1	897.1	885.5	865.6	886.6	959.2	1014.1	1045.7
20°	1209.4	1187.2	1131.0	946.2	870.2	859.7	850.3	945.1	1000.0	1019.9	1037.5
22.5°	1187.2	1163.8	1091.3	913.5	842.1	834.0	839.9	977.8	1000.0	1014.1	1029.3
25°	1158.0	1138.1	1044.5	887.8	820.0	810.6	832.8	974.3	987.2	990.7	1021.2
27.5°	1131.0	1105.3	995.4	864.4	793.0	789.5	838.6	959.2	968.5	972.0	1004.8
30°	1098.3	1059.7	940.4	839.9	764.9	763.8	839.9	940.4	938.0	947.5	980.2
32.5°	1064.4	991.9	878.4	809.4	738.1	736.9	831.7	912.3	910.0	922.9	947.5
35°	1032.8	939.3	794.2	774.3	704.2	705.3	811.8	879.6	880.8	892.4	907.7
37.5°	1000.0	893.7	701.8	735.7	671.4	671.4	784.8	849.2	846.8	850.3	871.4
40°	961.5	822.2	619.9	685.4	640.9	637.5	752.1	816.4	808.2	807.1	836.3
42.5°	920.5	743.9	559.1	618.8	605.9	601.2	712.4	776.6	761.5	764.9	802.4
45°	876.0	722.8	512.3	522.9	569.6	566.1	669.0	731.0	720.5	729.9	768.4
47.5°	831.7	680.7	497.1	433.9	531.1	529.8	621.1	686.6	680.7	690.1	731.0
50°	770.8	634.0	495.9	371.9	487.7	492.4	563.8	643.3	643.3	651.5	694.7
52.5°	692.5	576.7	450.3	336.9	437.4	451.5	513.5	605.9	608.2	616.4	655.0
55°	621.1	517.0	417.5	309.9	377.8	408.2	464.4	567.3	572.0	580.2	615.2
57.5°	555.6	430.4	410.6	278.4	322.8	352.0	421.1	529.8	532.2	539.2	573.1
60°	485.4	311.1	376.6	244.4	274.9	297.1	381.3	485.4	493.6	498.3	527.5
62.5°	405.8	225.8	341.6	221.1	251.5	256.1	348.6	443.3	453.8	457.4	474.9
65°	288.9	189.5	290.0	201.2	226.9	228.1	313.5	400.0	409.4	415.3	428.1
67.5°	195.3	154.4	221.1	182.4	208.2	209.4	279.6	349.8	362.6	367.3	375.5
70°	135.7	102.9	163.8	162.5	187.1	189.5	243.3	304.1	315.9	319.3	324.0
72.5°	99.4	83.0	135.7	146.2	164.9	167.3	205.9	252.6	264.3	267.9	270.2
75°	76.0	87.7	110.0	127.5	140.4	141.5	168.4	205.9	214.1	216.4	217.6
77.5°	60.8	81.9	80.8	102.9	114.6	112.3	132.2	159.1	166.1	166.1	166.1
80°	45.6	64.4	60.8	73.7	84.2	81.9	94.7	113.5	115.8	118.2	116.9
82.5°	33.9	40.9	40.9	46.8	56.2	53.8	63.1	73.7	73.7	73.7	76.0
85°	21.0	23.4	18.7	24.6	31.6	30.4	35.1	39.8	40.9	40.9	38.6
87.5°	12.9	10.6	5.8	9.3	14.0	14.0	16.4	17.5	16.4	16.4	16.4
90°	18.8	13.1	7.2	13.1	18.8	20.3	31.9	47.4	55.1	49.0	36.7
92.5°	127.8	78.4	29.0	78.4	127.8	140.0	196.8	272.6	310.4	272.1	195.4
95°	250.2	159.9	69.7	159.9	250.2	272.8	484.3	766.4	907.5	809.9	614.4
97.5°	279.7	200.0	120.4	200.0	279.7	299.6	652.5	1122.8	1358.0	1296.3	1172.8
100°	304.1	231.8	159.6	231.8	304.1	322.1	713.6	1235.6	1496.6	1501.1	1510.1
102.5°	327.7	260.3	193.0	260.3	327.7	344.5	741.6	1271.0	1535.7	1614.4	1771.8
105°	363.6	306.6	249.6	306.6	363.6	377.9	762.4	1275.1	1531.4	1707.7	2060.4
107.5°	414.0	360.8	307.6	360.8	414.0	427.3	766.3	1218.3	1444.3	1690.4	2182.4
110°	442.8	394.8	346.7	394.8	442.8	454.9	760.5	1168.0	1371.8	1646.8	2196.8



TEST NUMBER: P935044

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	476.8	431.0	385.2	431.0	476.8	488.3	760.8	1124.1	1305.8	1587.3	2150.2
115°	527.8	485.5	443.3	485.5	527.8	538.3	767.7	1073.7	1226.7	1497.9	2040.2
117.5°	577.3	538.9	500.5	538.9	577.3	586.9	782.0	1042.2	1172.3	1417.0	1906.4
120°	606.2	570.0	533.9	570.0	606.2	615.1	793.6	1031.6	1150.6	1374.2	1821.3
122.5°	639.5	603.0	566.6	603.0	639.5	648.5	810.3	1025.9	1133.8	1335.2	1737.9
125°	683.1	649.8	616.6	649.8	683.1	691.3	832.8	1021.4	1115.7	1286.8	1628.9
127.5°	724.3	690.7	657.3	690.7	724.3	732.7	855.3	1018.8	1100.5	1247.4	1541.1
130°	751.2	715.1	679.0	715.1	751.2	760.2	871.7	1020.4	1094.7	1225.4	1486.9
132.5°	773.7	737.6	701.5	737.6	773.7	782.7	885.0	1021.4	1089.6	1206.6	1440.7
135°	800.7	767.7	734.9	767.7	800.7	808.9	899.6	1020.5	1080.9	1178.9	1374.9
137.5°	834.1	801.5	769.0	801.5	834.1	842.2	921.3	1026.7	1079.4	1162.2	1328.0
140°	857.2	827.2	797.2	827.2	857.2	864.7	934.6	1027.8	1074.3	1145.9	1289.1
142.5°	874.5	846.7	819.0	846.7	874.5	881.4	945.7	1031.4	1074.3	1137.2	1263.0
145°	900.8	876.6	852.4	876.6	900.8	906.8	960.3	1031.5	1067.1	1118.6	1221.4
147.5°	932.8	909.3	885.7	909.3	932.8	938.7	981.6	1038.6	1067.1	1107.6	1188.5
150°	950.1	928.8	907.5	928.8	950.1	955.4	992.6	1042.3	1067.1	1101.3	1169.7
152.5°	962.3	946.2	930.0	946.2	962.3	966.3	999.9	1044.7	1067.1	1096.3	1154.7
155°	987.2	975.3	963.3	975.3	987.2	990.2	1015.8	1050.0	1067.1	1090.3	1136.8
157.5°	1011.3	999.6	988.0	999.6	1011.3	1014.2	1031.8	1055.3	1067.1	1085.2	1121.3
160°	1022.8	1013.8	1004.8	1013.8	1022.8	1025.1	1039.1	1057.8	1067.1	1082.6	1113.6
162.5°	1035.0	1028.2	1021.4	1028.2	1035.0	1036.7	1046.8	1060.3	1067.1	1080.2	1106.3
165°	1051.8	1045.7	1039.6	1045.7	1051.8	1053.3	1058.0	1064.1	1067.1	1076.4	1095.2
167.5°	1062.1	1059.1	1056.2	1059.1	1062.1	1062.7	1066.6	1071.7	1074.3	1080.5	1092.7
170°	1073.0	1070.0	1067.1	1070.0	1073.0	1073.6	1073.9	1074.2	1074.3	1080.5	1092.7
172.5°	1074.2	1073.6	1073.0	1073.6	1074.2	1074.3	1074.3	1074.3	1074.3	1079.2	1088.9
175°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1078.7	1075.8	1074.3	1077.4	1083.5
177.5°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1079.2	1077.0	1075.8	1078.3	1083.1
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



TEST NUMBER: P935044

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1193.0	1189.5	1194.3	1181.3	1194.3	1189.5	1193.0	1201.2	1194.3	1198.9	1203.6
5°	1046.9	1041.0	1022.3	1007.1	1022.3	1041.0	1046.9	1071.4	1083.1	1104.2	1132.2
7.5°	935.7	931.1	926.4	917.0	926.4	931.1	935.7	942.8	954.4	973.2	994.2
10°	911.2	912.3	919.4	918.2	919.4	912.3	911.2	908.8	905.3	908.8	921.7
12.5°	974.3	984.9	1023.4	1021.2	1023.4	984.9	974.3	927.6	895.9	890.1	892.4
15°	1046.9	1050.4	1058.6	1059.7	1058.6	1050.4	1046.9	1028.1	933.4	892.4	879.6
17.5°	1053.9	1055.1	1060.9	1060.9	1060.9	1055.1	1053.9	1045.7	1014.1	959.2	886.6
20°	1048.0	1050.4	1062.1	1064.4	1062.1	1050.4	1048.0	1037.5	1019.9	1000.0	945.1
22.5°	1045.7	1050.4	1059.7	1058.6	1059.7	1050.4	1045.7	1029.3	1014.1	1000.0	977.8
25°	1034.0	1034.0	1035.2	1036.3	1035.2	1034.0	1034.0	1021.2	990.7	987.2	974.3
27.5°	1009.4	1011.7	1018.8	1017.6	1018.8	1011.7	1009.4	1004.8	972.0	968.5	959.2
30°	987.2	984.9	979.0	974.3	979.0	984.9	987.2	980.2	947.5	938.0	940.4
32.5°	949.7	943.9	938.0	934.6	938.0	943.9	949.7	947.5	922.9	910.0	912.3
35°	905.3	906.5	905.3	901.8	905.3	906.5	905.3	907.7	892.4	880.8	879.6
37.5°	873.8	876.0	874.9	870.2	874.9	876.0	873.8	871.4	850.3	846.8	849.2
40°	841.0	842.1	841.0	837.5	841.0	842.1	841.0	836.3	807.1	808.2	816.4
42.5°	809.4	808.2	804.7	802.4	804.7	808.2	809.4	802.4	764.9	761.5	776.6
45°	773.1	774.3	767.3	763.8	767.3	774.3	773.1	768.4	729.9	720.5	731.0
47.5°	736.9	736.9	731.0	727.5	731.0	736.9	736.9	731.0	690.1	680.7	686.6
50°	698.3	697.1	688.9	687.8	688.9	697.1	698.3	694.7	651.5	643.3	643.3
52.5°	653.9	653.9	655.0	657.3	655.0	653.9	653.9	655.0	616.4	608.2	605.9
55°	615.2	616.4	624.6	626.9	624.6	616.4	615.2	615.2	580.2	572.0	567.3
57.5°	575.5	575.5	581.3	581.3	581.3	575.5	575.5	573.1	539.2	532.2	529.8
60°	529.8	532.2	536.9	535.7	536.9	532.2	529.8	527.5	498.3	493.6	485.4
62.5°	481.9	484.2	485.4	483.1	485.4	484.2	481.9	474.9	457.4	453.8	443.3
65°	431.6	433.9	435.1	432.8	435.1	433.9	431.6	428.1	415.3	409.4	400.0
67.5°	380.1	379.0	377.8	382.5	377.8	379.0	380.1	375.5	367.3	362.6	349.8
70°	327.5	327.5	326.3	328.7	326.3	327.5	327.5	324.0	319.3	315.9	304.1
72.5°	271.4	270.2	274.9	271.4	274.9	270.2	271.4	270.2	267.9	264.3	252.6
75°	216.4	218.7	216.4	219.9	216.4	218.7	216.4	217.6	216.4	214.1	205.9
77.5°	164.9	167.3	164.9	164.9	164.9	167.3	164.9	166.1	166.1	166.1	159.1
80°	116.9	115.8	115.8	114.6	115.8	115.8	116.9	116.9	118.2	115.8	113.5
82.5°	74.8	73.7	73.7	76.0	73.7	73.7	74.8	76.0	73.7	73.7	73.7
85°	40.9	42.1	39.8	39.8	39.8	42.1	40.9	38.6	40.9	40.9	39.8
87.5°	15.2	14.0	14.0	14.0	14.0	14.0	15.2	16.4	16.4	16.4	17.5
90°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	36.7	49.0	55.1	47.4
92.5°	137.9	132.4	110.5	88.5	110.5	132.4	137.9	195.4	272.1	310.4	272.6
95°	467.9	451.4	384.9	318.5	384.9	451.4	467.9	614.4	809.9	907.5	766.4
97.5°	1080.2	1048.6	922.2	795.8	922.2	1048.6	1080.2	1172.8	1296.3	1358.0	1122.8
100°	1516.9	1479.2	1328.7	1178.1	1328.7	1479.2	1516.9	1510.1	1501.1	1496.6	1235.6
102.5°	1889.8	1857.5	1728.5	1599.6	1728.5	1857.5	1889.8	1771.8	1614.4	1535.7	1271.0
105°	2325.0	2307.7	2238.3	2169.0	2238.3	2307.7	2325.0	2060.4	1707.7	1531.4	1275.1
107.5°	2551.3	2555.5	2572.3	2589.1	2572.3	2555.5	2551.3	2182.4	1690.4	1444.3	1218.3
110°	2609.4	2627.4	2699.6	2771.8	2699.6	2627.4	2609.4	2196.8	1646.8	1371.8	1168.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2572.4	2600.1	2711.0	2821.9	2711.0	2600.1	2572.4	2150.2	1587.3	1305.8	1124.1
115°	2446.9	2485.4	2639.1	2793.0	2639.1	2485.4	2446.9	2040.2	1497.9	1226.7	1073.7
117.5°	2273.5	2316.1	2486.7	2657.3	2486.7	2316.1	2273.5	1906.4	1417.0	1172.3	1042.2
120°	2156.7	2198.1	2363.9	2529.6	2363.9	2198.1	2156.7	1821.3	1374.2	1150.6	1031.6
122.5°	2039.9	2080.8	2244.3	2407.7	2244.3	2080.8	2039.9	1737.9	1335.2	1133.8	1025.9
125°	1885.4	1923.1	2073.6	2224.2	2073.6	1923.1	1885.4	1628.9	1286.8	1115.7	1021.4
127.5°	1761.3	1793.1	1920.1	2047.2	1920.1	1793.1	1761.3	1541.1	1247.4	1100.5	1018.8
130°	1683.0	1712.3	1829.7	1947.1	1829.7	1712.3	1683.0	1486.9	1225.4	1094.7	1020.4
132.5°	1616.2	1642.5	1747.6	1852.7	1747.6	1642.5	1616.2	1440.7	1206.6	1089.6	1021.4
135°	1522.0	1544.6	1635.2	1725.8	1635.2	1544.6	1522.0	1374.9	1178.9	1080.9	1020.5
137.5°	1452.3	1470.9	1545.0	1619.2	1545.0	1470.9	1452.3	1328.0	1162.2	1079.4	1026.7
140°	1396.5	1413.8	1483.1	1552.4	1483.1	1413.8	1396.5	1289.1	1145.9	1074.3	1027.8
142.5°	1357.3	1372.2	1431.9	1491.5	1431.9	1372.2	1357.3	1263.0	1137.2	1074.3	1031.4
145°	1298.5	1309.8	1355.0	1400.1	1355.0	1309.8	1298.5	1221.4	1118.6	1067.1	1031.5
147.5°	1249.2	1258.5	1295.9	1333.3	1295.9	1258.5	1249.2	1188.5	1107.6	1067.1	1038.6
150°	1220.9	1228.5	1258.8	1289.1	1258.8	1228.5	1220.9	1169.7	1101.3	1067.1	1042.3
152.5°	1198.4	1204.2	1227.0	1249.9	1227.0	1204.2	1198.4	1154.7	1096.3	1067.1	1044.7
155°	1171.6	1175.3	1190.5	1205.7	1190.5	1175.3	1171.6	1136.8	1090.3	1067.1	1050.0
157.5°	1148.4	1151.0	1161.6	1172.3	1161.6	1151.0	1148.4	1121.3	1085.2	1067.1	1055.3
160°	1136.8	1138.4	1144.5	1150.6	1144.5	1138.4	1136.8	1113.6	1082.6	1067.1	1057.8
162.5°	1125.9	1127.4	1133.1	1139.0	1133.1	1127.4	1125.9	1106.3	1080.2	1067.1	1060.3
165°	1109.2	1110.8	1116.9	1123.0	1116.9	1110.8	1109.2	1095.2	1076.4	1067.1	1064.1
167.5°	1101.9	1102.5	1105.1	1107.7	1105.1	1102.5	1101.9	1092.7	1080.5	1074.3	1071.7
170°	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1092.7	1080.5	1074.3	1074.2
172.5°	1096.1	1095.6	1093.4	1091.1	1093.4	1095.6	1096.1	1088.9	1079.2	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8
177.5°	1086.7	1086.1	1083.5	1080.9	1083.5	1086.1	1086.7	1083.1	1078.3	1075.8	1077.0
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1221.1	1227.0	1230.5	1235.1	1246.8
5°	1174.4	1196.6	1203.6	1221.1	1242.2
7.5°	1071.4	1139.2	1158.0	1200.1	1232.8
10°	972.0	1039.8	1072.6	1172.0	1221.1
12.5°	921.7	961.5	983.7	1122.9	1204.7
15°	890.1	918.2	934.6	1057.3	1186.1
17.5°	865.6	885.5	897.1	993.1	1160.3
20°	850.3	859.7	870.2	946.2	1131.0
22.5°	839.9	834.0	842.1	913.5	1091.3
25°	832.8	810.6	820.0	887.8	1044.5
27.5°	838.6	789.5	793.0	864.4	995.4
30°	839.9	763.8	764.9	839.9	940.4
32.5°	831.7	736.9	738.1	809.4	878.4
35°	811.8	705.3	704.2	774.3	794.2
37.5°	784.8	671.4	671.4	735.7	701.8
40°	752.1	637.5	640.9	685.4	619.9
42.5°	712.4	601.2	605.9	618.8	559.1
45°	669.0	566.1	569.6	522.9	512.3
47.5°	621.1	529.8	531.1	433.9	497.1
50°	563.8	492.4	487.7	371.9	495.9
52.5°	513.5	451.5	437.4	336.9	450.3
55°	464.4	408.2	377.8	309.9	417.5
57.5°	421.1	352.0	322.8	278.4	410.6
60°	381.3	297.1	274.9	244.4	376.6
62.5°	348.6	256.1	251.5	221.1	341.6
65°	313.5	228.1	226.9	201.2	290.0
67.5°	279.6	209.4	208.2	182.4	221.1
70°	243.3	189.5	187.1	162.5	163.8
72.5°	205.9	167.3	164.9	146.2	135.7
75°	168.4	141.5	140.4	127.5	110.0
77.5°	132.2	112.3	114.6	102.9	80.8
80°	94.7	81.9	84.2	73.7	60.8
82.5°	63.1	53.8	56.2	46.8	40.9
85°	35.1	30.4	31.6	24.6	18.7
87.5°	16.4	14.0	14.0	9.3	5.8
90°	31.9	20.3	18.8	13.1	7.2
92.5°	196.8	140.0	127.8	78.4	29.0
95°	484.3	272.8	250.2	159.9	69.7
97.5°	652.5	299.6	279.7	200.0	120.4
100°	713.6	322.1	304.1	231.8	159.6
102.5°	741.6	344.5	327.7	260.3	193.0
105°	762.4	377.9	363.6	306.6	249.6
107.5°	766.3	427.3	414.0	360.8	307.6
110°	760.5	454.9	442.8	394.8	346.7



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CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	760.8	488.3	476.8	431.0	385.2
115°	767.7	538.3	527.8	485.5	443.3
117.5°	782.0	586.9	577.3	538.9	500.5
120°	793.6	615.1	606.2	570.0	533.9
122.5°	810.3	648.5	639.5	603.0	566.6
125°	832.8	691.3	683.1	649.8	616.6
127.5°	855.3	732.7	724.3	690.7	657.3
130°	871.7	760.2	751.2	715.1	679.0
132.5°	885.0	782.7	773.7	737.6	701.5
135°	899.6	808.9	800.7	767.7	734.9
137.5°	921.3	842.2	834.1	801.5	769.0
140°	934.6	864.7	857.2	827.2	797.2
142.5°	945.7	881.4	874.5	846.7	819.0
145°	960.3	906.8	900.8	876.6	852.4
147.5°	981.6	938.7	932.8	909.3	885.7
150°	992.6	955.4	950.1	928.8	907.5
152.5°	999.9	966.3	962.3	946.2	930.0
155°	1015.8	990.2	987.2	975.3	963.3
157.5°	1031.8	1014.2	1011.3	999.6	988.0
160°	1039.1	1025.1	1022.8	1013.8	1004.8
162.5°	1046.8	1036.7	1035.0	1028.2	1021.4
165°	1058.0	1053.3	1051.8	1045.7	1039.6
167.5°	1066.6	1062.7	1062.1	1059.1	1056.2
170°	1073.9	1073.6	1073.0	1070.0	1067.1
172.5°	1074.3	1074.3	1074.2	1073.6	1073.0
175°	1078.7	1080.9	1080.9	1080.9	1080.9
177.5°	1079.2	1080.9	1080.9	1080.9	1080.9
180°	1080.9	1080.9	1080.9	1080.9	1080.9



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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	8.85	9.57	9.95	10.67	12.18	11.69	12.41	12.79	13.50	15.02
	3H	9.32	9.96	10.43	11.07	12.60	13.03	13.67	14.14	14.77	16.31
	4H	9.50	10.11	10.62	11.22	12.75	13.47	14.07	14.59	15.18	16.72
	6H	9.61	10.17	10.74	11.28	12.83	13.75	14.30	14.87	15.42	16.96
	8H	9.61	10.14	10.74	11.27	12.81	13.82	14.35	14.95	15.48	17.02
	12H	9.58	10.08	10.71	11.20	12.77	13.85	14.36	14.99	15.48	17.04
4H	2H	9.87	10.48	11.00	11.58	13.12	12.08	12.69	13.21	13.80	15.33
	3H	10.88	11.39	12.02	12.52	14.07	13.58	14.08	14.71	15.22	16.77
	4H	11.15	11.62	12.29	12.74	14.31	14.10	14.56	15.24	15.69	17.26
	6H	11.27	11.67	12.41	12.81	14.37	14.46	14.86	15.60	16.00	17.56
	8H	11.27	11.64	12.41	12.78	14.36	14.56	14.93	15.71	16.07	17.65
	12H	11.23	11.57	12.39	12.72	14.30	14.61	14.95	15.77	16.10	17.68
8H	4H	11.59	11.97	12.74	13.11	14.68	14.21	14.58	15.35	15.72	17.30
	6H	11.85	12.16	13.01	13.34	14.91	14.64	14.95	15.81	16.13	17.70
	8H	11.89	12.16	13.06	13.32	14.91	14.80	15.06	15.97	16.22	17.82
	12H	11.87	12.10	13.04	13.26	14.89	14.89	15.12	16.06	16.28	17.91
12H	4H	11.59	11.93	12.75	13.08	14.66	14.17	14.51	15.33	15.66	17.24
	6H	11.91	12.18	13.08	13.34	14.93	14.64	14.91	15.81	16.07	17.66
	8H	11.97	12.21	13.14	13.36	14.99	14.80	15.03	15.97	16.19	17.82