

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: P935046

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935046
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-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

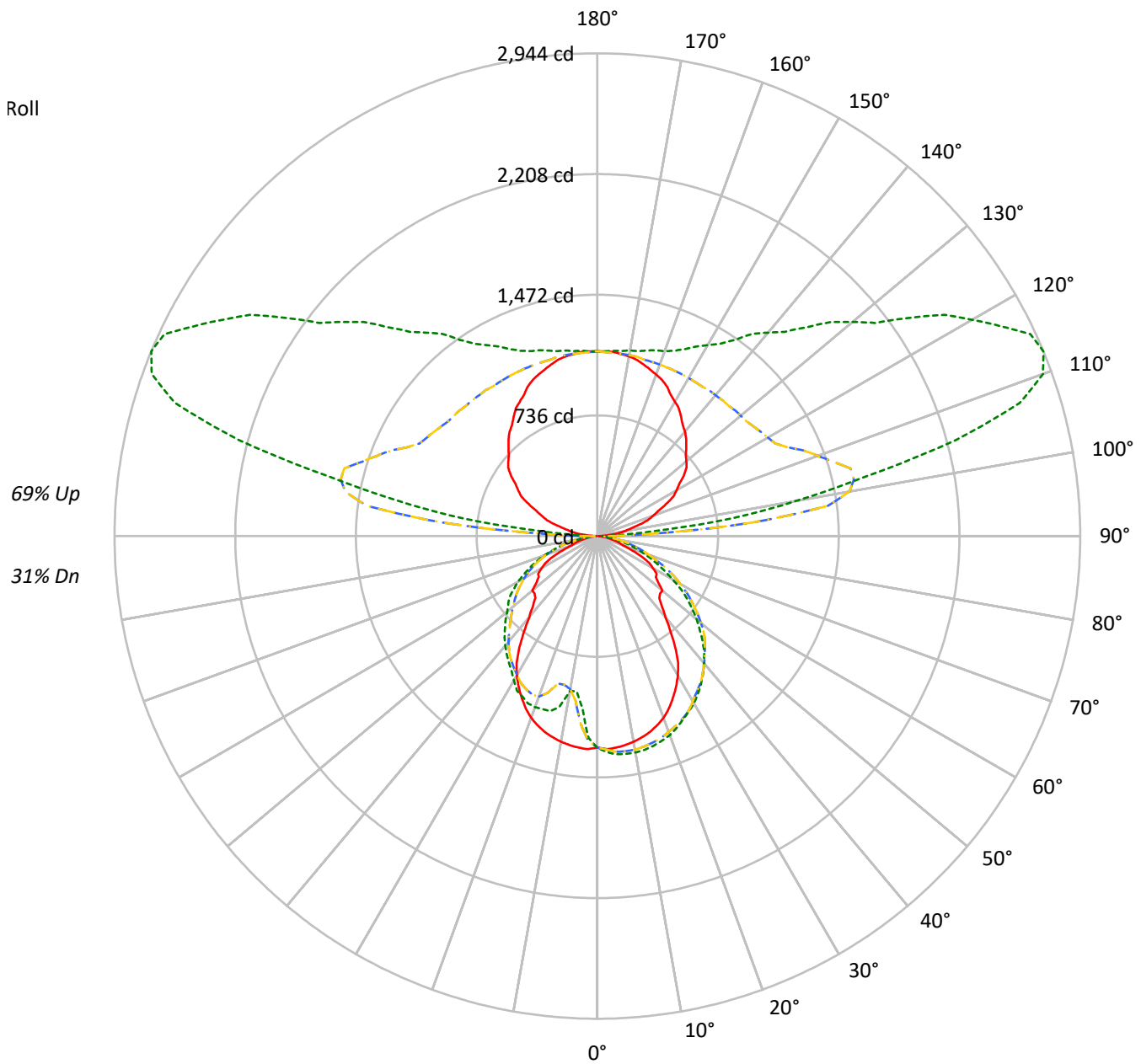
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10657.3 lumens
Efficiency: N/A
Efficacy: 129.3 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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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	0
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°	5984	5984	5984	5984
5°	6028	6040	6028	4749
10°	5988	5950	5988	4254
15°	5923	5821	5923	4860
20°	5799	5668	5799	4871
25°	5546	5445	5546	4767
30°	5218	5260	5218	4541
35°	4651	5027	4651	4292
40°	3876	4751	3876	4104
45°	3463	4429	3463	3888
50°	3679	4045	3679	3670
55°	3461	3631	3461	3544
60°	3569	3084	3569	3246
65°	3234	2549	3234	2850
70°	2240	2031	2240	2388
75°	1964	1502	1964	1798
80°	1582	993	1582	1080
85°	913	526	913	447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5308 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	1.1
10°-20°	330.5	3.1
20°-30°	510.9	4.8
30°-40°	610.0	5.7
40°-50°	613.5	5.8
50°-60°	533.8	5.0
60°-70°	378.5	3.6
70°-80°	200.2	1.9
80°-90°	54.2	0.5
90°-100°	549.6	5.2
100°-110°	1444.9	13.6
110°-120°	1498.2	14.1
120°-130°	1201.8	11.3
130°-140°	943.0	8.8
140°-150°	723.8	6.8
150°-160°	521.2	4.9
160°-170°	318.9	3.0
170°-180°	107.7	1.0
0°-30°	957.9	9.0
0°-40°	1567.8	14.7
0°-60°	2715.2	25.5
0°-90°	3348.1	31.4
90°-120°	3492.8	32.8
90°-150°	6361.3	59.7
90°-180°	7309.0	68.6
0°-180°	10657.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1290	1290	1290	1290	1290	
5°	1296	1336	1296	1050	1296	123
15°	1237	1324	1237	1105	1237	348
25°	1090	1235	1090	1081	1090	500
35°	828	1102	828	941	828	513
45°	534	908	534	797	534	428
55°	436	670	436	654	436	400
65°	302	404	302	452	302	289
75°	115	192	115	229	115	121
85°	20	49	20	42	20	26
90°	8	29	8	29	8	7
95°	73	332	73	332	73	81
105°	260	2262	260	2262	260	276
115°	462	2913	462	2913	462	457
125°	643	2320	643	2320	643	571
135°	767	1800	767	1800	767	593
145°	889	1460	889	1460	889	557
155°	1005	1258	1005	1258	1005	462
165°	1084	1171	1084	1171	1084	306
175°	1128	1135	1128	1135	1128	107
180°	1128	1128	1128	1128	1128	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1300.6	1300.6	1308.0	1310.4	1310.4	1306.7	1303.1	1306.7	1317.7	1321.3	1320.2
5°	1295.8	1305.5	1319.0	1321.3	1323.8	1322.6	1320.2	1322.6	1334.8	1337.3	1338.4
7.5°	1286.0	1304.3	1321.3	1325.1	1328.7	1325.1	1323.8	1326.3	1338.4	1340.9	1340.9
10°	1273.8	1299.4	1319.0	1321.3	1325.1	1321.3	1321.3	1326.3	1338.4	1340.9	1342.1
12.5°	1256.7	1292.0	1310.4	1312.8	1317.7	1316.5	1315.2	1320.2	1332.3	1334.8	1334.8
15°	1237.2	1278.7	1295.8	1298.1	1306.7	1304.3	1304.3	1309.1	1322.6	1326.3	1325.1
17.5°	1210.4	1261.6	1281.1	1284.8	1290.9	1289.7	1290.9	1295.8	1308.0	1310.4	1311.6
20°	1179.8	1238.4	1261.6	1265.2	1271.3	1271.3	1271.3	1277.4	1289.7	1294.5	1294.5
22.5°	1138.3	1214.0	1238.4	1240.8	1248.2	1248.2	1250.6	1259.1	1270.1	1271.3	1271.3
25°	1089.6	1187.2	1207.9	1215.2	1222.6	1226.2	1229.8	1234.7	1238.4	1237.2	1238.4
27.5°	1038.4	1153.0	1179.8	1184.7	1194.4	1198.2	1203.0	1204.3	1205.5	1209.1	1206.7
30°	981.0	1105.4	1145.7	1150.6	1166.4	1168.9	1164.0	1166.4	1172.5	1175.0	1177.4
32.5°	916.3	1034.6	1110.3	1121.3	1136.0	1128.6	1127.4	1131.0	1140.8	1140.8	1143.2
35°	828.4	979.8	1077.4	1087.1	1098.1	1089.6	1094.5	1095.7	1101.8	1105.4	1104.2
37.5°	732.1	932.2	1043.2	1050.5	1059.1	1048.1	1055.4	1059.1	1063.9	1061.5	1061.5
40°	646.7	857.7	1003.0	1007.8	1015.2	1006.6	1013.9	1016.3	1018.8	1016.3	1015.2
42.5°	583.2	776.0	960.2	966.3	961.4	967.6	969.9	974.9	971.2	966.3	966.3
45°	534.4	754.0	913.8	921.2	913.8	923.6	927.3	927.3	916.3	913.8	912.6
47.5°	518.6	710.1	867.5	867.5	863.8	876.1	882.2	873.6	862.6	859.0	859.0
50°	517.3	661.3	804.0	799.2	816.2	830.9	824.8	816.2	807.7	794.3	794.3
52.5°	469.7	601.5	722.3	740.6	767.5	776.0	766.2	757.7	743.1	736.9	732.1
55°	435.5	539.3	647.8	684.5	712.5	723.5	705.2	696.7	674.7	671.0	668.6
57.5°	428.3	449.0	579.5	625.9	660.0	658.9	647.8	632.0	613.7	610.1	608.8
60°	392.9	324.6	506.3	561.2	596.6	593.0	583.2	568.5	551.5	549.1	546.6
62.5°	356.3	235.5	423.3	485.6	535.6	534.4	525.9	503.9	491.7	485.6	480.7
65°	302.5	197.7	301.4	403.9	475.8	478.3	460.0	444.1	430.7	423.3	422.2
67.5°	230.6	161.1	203.8	336.7	418.5	416.1	392.9	385.6	368.5	364.9	357.5
70°	170.8	107.3	141.5	273.3	362.4	356.3	337.9	329.5	313.6	305.0	300.2
72.5°	141.5	86.6	103.7	212.3	305.0	297.7	281.8	272.1	258.7	251.3	246.4
75°	114.7	91.5	79.3	157.4	247.7	242.8	228.1	218.4	207.4	197.7	198.8
77.5°	84.2	85.4	63.4	115.9	196.5	189.1	180.6	168.4	163.5	153.7	153.7
80°	63.4	67.1	47.6	79.3	141.5	141.5	134.2	125.7	117.2	112.2	112.2
82.5°	42.7	42.7	35.4	50.0	96.4	92.7	87.9	85.4	80.5	78.0	78.0
85°	19.6	24.4	21.9	30.5	52.5	54.9	54.9	52.5	51.2	48.8	50.0
87.5°	6.1	11.0	13.5	17.1	26.8	28.1	29.3	29.3	29.3	30.5	30.5
90°	7.5	13.6	19.6	21.2	33.3	49.4	57.5	51.1	38.3	28.7	28.7
92.5°	30.3	81.8	133.3	146.1	205.3	284.4	323.8	283.8	203.8	143.8	138.1
95°	72.7	166.8	261.0	284.5	505.2	799.5	946.7	844.8	640.9	488.1	470.8
97.5°	125.6	208.7	291.8	312.6	680.6	1171.2	1416.6	1352.2	1223.4	1126.8	1093.8
100°	166.5	241.8	317.2	336.0	744.4	1288.9	1561.1	1565.8	1575.2	1582.3	1543.0
102.5°	201.3	271.5	341.8	359.4	773.6	1325.8	1602.0	1684.0	1848.2	1971.3	1937.6
105°	260.3	319.8	379.3	394.2	795.3	1330.1	1597.4	1781.3	2149.3	2425.3	2407.2
107.5°	320.8	376.3	431.8	445.7	799.4	1270.9	1506.6	1763.2	2276.5	2661.3	2665.7
110°	361.7	411.8	461.9	474.5	793.3	1218.4	1430.9	1717.8	2291.6	2721.9	2740.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	401.8	449.5	497.4	509.3	793.6	1172.6	1362.1	1655.7	2242.9	2683.3	2712.3
115°	462.4	506.4	550.5	561.5	800.8	1120.0	1279.6	1562.5	2128.2	2552.4	2592.6
117.5°	522.1	562.2	602.2	612.2	815.8	1087.1	1222.8	1478.1	1988.6	2371.5	2416.0
120°	557.0	594.6	632.3	641.7	827.9	1076.1	1200.2	1433.4	1899.9	2249.7	2292.9
122.5°	591.0	629.0	667.0	676.5	845.2	1070.2	1182.7	1392.7	1812.8	2127.9	2170.6
125°	643.2	677.9	712.5	721.2	868.7	1065.5	1163.8	1342.3	1699.1	1966.7	2006.0
127.5°	685.6	720.5	755.5	764.3	892.2	1062.7	1148.0	1301.1	1607.5	1837.3	1870.4
130°	708.2	745.9	783.6	793.0	909.3	1064.4	1141.9	1278.2	1551.0	1755.6	1786.2
132.5°	731.7	769.4	807.0	816.5	923.2	1065.5	1136.6	1258.7	1502.8	1685.9	1713.3
135°	766.6	800.8	835.2	843.8	938.4	1064.5	1127.5	1229.7	1434.2	1587.6	1611.2
137.5°	802.1	836.0	870.1	878.5	961.0	1071.0	1125.9	1212.4	1385.3	1514.9	1534.3
140°	831.6	862.9	894.2	902.0	974.9	1072.1	1120.7	1195.4	1344.7	1456.7	1474.8
142.5°	854.3	883.3	912.2	919.4	986.5	1075.9	1120.7	1186.3	1317.4	1415.8	1431.4
145°	889.2	914.4	939.7	945.9	1001.7	1076.0	1113.1	1166.8	1274.0	1354.5	1366.3
147.5°	923.9	948.5	973.0	979.2	1023.9	1083.4	1113.1	1155.3	1239.7	1303.1	1312.8
150°	946.7	968.9	991.0	996.6	1035.4	1087.2	1113.1	1148.8	1220.1	1273.6	1281.5
152.5°	970.1	987.0	1003.8	1008.0	1043.0	1089.7	1113.1	1143.6	1204.5	1250.1	1256.1
155°	1004.9	1017.3	1029.8	1032.9	1059.6	1095.3	1113.1	1137.3	1185.8	1222.1	1226.0
157.5°	1030.6	1042.7	1054.9	1057.9	1076.3	1100.8	1113.1	1132.0	1169.6	1197.9	1200.6
160°	1048.1	1057.5	1066.9	1069.3	1083.9	1103.4	1113.1	1129.3	1161.6	1185.8	1187.4
162.5°	1065.5	1072.6	1079.6	1081.4	1091.9	1106.0	1113.1	1126.8	1154.0	1174.4	1176.0
165°	1084.4	1090.7	1097.1	1098.8	1103.6	1109.9	1113.1	1122.9	1142.4	1157.1	1158.7
167.5°	1101.8	1104.8	1107.8	1108.6	1112.6	1117.9	1120.7	1127.0	1139.9	1149.4	1150.1
170°	1113.1	1116.1	1119.2	1119.9	1120.2	1120.5	1120.7	1127.0	1139.9	1149.4	1149.4
172.5°	1119.2	1119.9	1120.5	1120.7	1120.7	1120.7	1120.7	1125.8	1135.9	1143.4	1142.9
175°	1127.5	1127.5	1127.5	1127.5	1125.2	1122.2	1120.7	1123.9	1130.2	1135.0	1135.0
177.5°	1127.5	1127.5	1127.5	1127.5	1125.8	1123.4	1122.2	1124.8	1129.8	1133.6	1133.0
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1322.6	1319.0	1322.6	1320.2	1321.3	1317.7	1306.7	1303.1	1306.7	1310.4	1310.4
5°	1338.4	1336.0	1338.4	1338.4	1337.3	1334.8	1322.6	1320.2	1322.6	1323.8	1321.3
7.5°	1343.4	1339.7	1343.4	1340.9	1340.9	1338.4	1326.3	1323.8	1325.1	1328.7	1325.1
10°	1343.4	1339.7	1343.4	1342.1	1340.9	1338.4	1326.3	1321.3	1321.3	1325.1	1321.3
12.5°	1337.3	1334.8	1337.3	1334.8	1334.8	1332.3	1320.2	1315.2	1316.5	1317.7	1312.8
15°	1327.4	1323.8	1327.4	1325.1	1326.3	1322.6	1309.1	1304.3	1304.3	1306.7	1298.1
17.5°	1312.8	1308.0	1312.8	1311.6	1310.4	1308.0	1295.8	1290.9	1289.7	1290.9	1284.8
20°	1295.8	1292.0	1295.8	1294.5	1294.5	1289.7	1277.4	1271.3	1271.3	1271.3	1265.2
22.5°	1268.9	1265.2	1268.9	1271.3	1271.3	1270.1	1259.1	1250.6	1248.2	1248.2	1240.8
25°	1238.4	1234.7	1238.4	1238.4	1237.2	1238.4	1234.7	1229.8	1226.2	1222.6	1215.2
27.5°	1209.1	1206.7	1209.1	1206.7	1209.1	1205.5	1204.3	1203.0	1198.2	1194.4	1184.7
30°	1179.8	1177.4	1179.8	1177.4	1175.0	1172.5	1166.4	1164.0	1168.9	1166.4	1150.6
32.5°	1143.2	1140.8	1143.2	1143.2	1140.8	1140.8	1131.0	1127.4	1128.6	1136.0	1121.3
35°	1105.4	1101.8	1105.4	1104.2	1105.4	1101.8	1095.7	1094.5	1089.6	1098.1	1087.1
37.5°	1061.5	1057.8	1061.5	1061.5	1061.5	1063.9	1059.1	1055.4	1048.1	1059.1	1050.5
40°	1016.3	1011.4	1016.3	1015.2	1016.3	1018.8	1016.3	1013.9	1006.6	1015.2	1007.8
42.5°	965.1	963.9	965.1	966.3	966.3	971.2	974.9	969.9	967.6	961.4	966.3
45°	910.2	907.7	910.2	912.6	913.8	916.3	927.3	927.3	923.6	913.8	921.2
47.5°	851.6	845.5	851.6	859.0	859.0	862.6	873.6	882.2	876.1	863.8	867.5
50°	789.4	790.7	789.4	794.3	794.3	807.7	816.2	824.8	830.9	816.2	799.2
52.5°	728.4	727.2	728.4	732.1	736.9	743.1	757.7	766.2	776.0	767.5	740.6
55°	667.4	669.9	667.4	668.6	671.0	674.7	696.7	705.2	723.5	712.5	684.5
57.5°	606.4	602.7	606.4	608.8	610.1	613.7	632.0	647.8	658.9	660.0	625.9
60°	535.6	530.8	535.6	546.6	549.1	551.5	568.5	583.2	593.0	596.6	561.2
62.5°	473.4	464.8	473.4	480.7	485.6	491.7	503.9	525.9	534.4	535.6	485.6
65°	407.5	403.9	407.5	422.2	423.3	430.7	444.1	460.0	478.3	475.8	403.9
67.5°	347.8	347.8	347.8	357.5	364.9	368.5	385.6	392.9	416.1	418.5	336.7
70°	292.8	291.6	292.8	300.2	305.0	313.6	329.5	337.9	356.3	362.4	273.3
72.5°	240.3	239.1	240.3	246.4	251.3	258.7	272.1	281.8	297.7	305.0	212.3
75°	194.0	191.6	194.0	198.8	197.7	207.4	218.4	228.1	242.8	247.7	157.4
77.5°	148.8	148.8	148.8	153.7	153.7	163.5	168.4	180.6	189.1	196.5	115.9
80°	111.1	109.8	111.1	112.2	112.2	117.2	125.7	134.2	141.5	141.5	79.3
82.5°	78.0	75.7	78.0	78.0	78.0	80.5	85.4	87.9	92.7	96.4	50.0
85°	48.8	48.8	48.8	50.0	48.8	51.2	52.5	54.9	54.9	52.5	30.5
87.5°	31.7	30.5	31.7	30.5	30.5	29.3	29.3	29.3	28.1	26.8	17.1
90°	28.7	28.7	28.7	28.7	28.7	38.3	51.1	57.5	49.4	33.3	21.2
92.5°	115.3	92.3	115.3	138.1	143.8	203.8	283.8	323.8	284.4	205.3	146.1
95°	401.5	332.2	401.5	470.8	488.1	640.9	844.8	946.7	799.5	505.2	284.5
97.5°	961.9	830.1	961.9	1093.8	1126.8	1223.4	1352.2	1416.6	1171.2	680.6	312.6
100°	1386.0	1228.9	1386.0	1543.0	1582.3	1575.2	1565.8	1561.1	1288.9	744.4	336.0
102.5°	1803.1	1668.5	1803.1	1937.6	1971.3	1848.2	1684.0	1602.0	1325.8	773.6	359.4
105°	2334.9	2262.5	2334.9	2407.2	2425.3	2149.3	1781.3	1597.4	1330.1	795.3	394.2
107.5°	2683.2	2700.7	2683.2	2665.7	2661.3	2276.5	1763.2	1506.6	1270.9	799.4	445.7
110°	2816.1	2891.4	2816.1	2740.7	2721.9	2291.6	1717.8	1430.9	1218.4	793.3	474.5



TEST NUMBER: P935046

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2827.9	2943.6	2827.9	2712.3	2683.3	2242.9	1655.7	1362.1	1172.6	793.6	509.3
115°	2752.9	2913.4	2752.9	2592.6	2552.4	2128.2	1562.5	1279.6	1120.0	800.8	561.5
117.5°	2593.9	2771.8	2593.9	2416.0	2371.5	1988.6	1478.1	1222.8	1087.1	815.8	612.2
120°	2465.8	2638.7	2465.8	2292.9	2249.7	1899.9	1433.4	1200.2	1076.1	827.9	641.7
122.5°	2341.0	2511.5	2341.0	2170.6	2127.9	1812.8	1392.7	1182.7	1070.2	845.2	676.5
125°	2163.0	2320.1	2163.0	2006.0	1966.7	1699.1	1342.3	1163.8	1065.5	868.7	721.2
127.5°	2002.9	2135.5	2002.9	1870.4	1837.3	1607.5	1301.1	1148.0	1062.7	892.2	764.3
130°	1908.6	2031.0	1908.6	1786.2	1755.6	1551.0	1278.2	1141.9	1064.4	909.3	793.0
132.5°	1823.0	1932.6	1823.0	1713.3	1685.9	1502.8	1258.7	1136.6	1065.5	923.2	816.5
135°	1705.8	1800.3	1705.8	1611.2	1587.6	1434.2	1229.7	1127.5	1064.5	938.4	843.8
137.5°	1611.6	1689.0	1611.6	1534.3	1514.9	1385.3	1212.4	1125.9	1071.0	961.0	878.5
140°	1547.0	1619.3	1547.0	1474.8	1456.7	1344.7	1195.4	1120.7	1072.1	974.9	902.0
142.5°	1493.6	1555.8	1493.6	1431.4	1415.8	1317.4	1186.3	1120.7	1075.9	986.5	919.4
145°	1413.4	1460.4	1413.4	1366.3	1354.5	1274.0	1166.8	1113.1	1076.0	1001.7	945.9
147.5°	1351.8	1390.8	1351.8	1312.8	1303.1	1239.7	1155.3	1113.1	1083.4	1023.9	979.2
150°	1313.1	1344.7	1313.1	1281.5	1273.6	1220.1	1148.8	1113.1	1087.2	1035.4	996.6
152.5°	1280.0	1303.8	1280.0	1256.1	1250.1	1204.5	1143.6	1113.1	1089.7	1043.0	1008.0
155°	1241.8	1257.7	1241.8	1226.0	1222.1	1185.8	1137.3	1113.1	1095.3	1059.6	1032.9
157.5°	1211.7	1222.8	1211.7	1200.6	1197.9	1169.6	1132.0	1113.1	1100.8	1076.3	1057.9
160°	1193.8	1200.2	1193.8	1187.4	1185.8	1161.6	1129.3	1113.1	1103.4	1083.9	1069.3
162.5°	1182.0	1188.1	1182.0	1176.0	1174.4	1154.0	1126.8	1113.1	1106.0	1091.9	1081.4
165°	1165.1	1171.4	1165.1	1158.7	1157.1	1142.4	1122.9	1113.1	1109.9	1103.6	1098.8
167.5°	1152.8	1155.5	1152.8	1150.1	1149.4	1139.9	1127.0	1120.7	1117.9	1112.6	1108.6
170°	1149.4	1149.4	1149.4	1149.4	1149.4	1139.9	1127.0	1120.7	1120.5	1120.2	1119.9
172.5°	1140.5	1138.1	1140.5	1142.9	1143.4	1135.9	1125.8	1120.7	1120.7	1120.7	1120.7
175°	1135.0	1135.0	1135.0	1135.0	1135.0	1130.2	1123.9	1120.7	1122.2	1125.2	1127.5
177.5°	1130.2	1127.5	1130.2	1133.0	1133.6	1129.8	1124.8	1122.2	1123.4	1125.8	1127.5
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



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CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1308.0	1300.6	1300.6	1288.4	1283.6	1279.9	1273.8	1255.5	1250.6	1245.7	1253.0
5°	1319.0	1305.5	1295.8	1273.8	1255.5	1248.2	1225.0	1181.1	1151.8	1129.8	1117.6
7.5°	1321.3	1304.3	1286.0	1251.8	1207.9	1188.3	1117.6	1037.1	1015.2	995.6	983.4
10°	1319.0	1299.4	1273.8	1222.6	1118.9	1084.7	1013.9	961.4	948.0	944.4	948.0
12.5°	1310.4	1292.0	1256.7	1171.3	1026.1	1003.0	961.4	930.9	928.5	934.6	967.6
15°	1295.8	1278.7	1237.2	1102.9	974.9	957.8	928.5	917.6	930.9	973.7	1072.5
17.5°	1281.1	1261.6	1210.4	1035.9	935.8	923.6	902.9	924.8	1000.5	1057.8	1090.7
20°	1261.6	1238.4	1179.8	987.0	907.7	896.8	887.0	985.9	1043.2	1063.9	1082.2
22.5°	1238.4	1214.0	1138.3	952.9	878.4	870.0	876.1	1020.0	1043.2	1057.8	1073.6
25°	1207.9	1187.2	1089.6	926.1	855.3	845.5	868.7	1016.3	1029.8	1033.4	1065.2
27.5°	1179.8	1153.0	1038.4	901.6	827.2	823.6	874.8	1000.5	1010.2	1013.9	1048.1
30°	1145.7	1105.4	981.0	876.1	797.9	796.8	876.1	981.0	978.5	988.3	1022.4
32.5°	1110.3	1034.6	916.3	844.3	769.9	768.6	867.5	951.7	949.2	962.7	988.3
35°	1077.4	979.8	828.4	807.7	734.5	735.7	846.8	917.6	918.7	930.9	946.8
37.5°	1043.2	932.2	732.1	767.5	700.3	700.3	818.7	885.8	883.3	887.0	909.0
40°	1003.0	857.7	646.7	715.0	668.6	664.9	784.6	851.6	843.1	841.9	872.3
42.5°	960.2	776.0	583.2	645.5	632.0	627.1	743.1	810.1	794.3	797.9	837.0
45°	913.8	754.0	534.4	545.4	594.2	590.5	697.9	762.5	751.5	761.4	801.6
47.5°	867.5	710.1	518.6	452.6	554.0	552.7	647.8	716.2	710.1	719.9	762.5
50°	804.0	661.3	517.3	388.0	508.8	513.7	588.1	671.0	671.0	679.6	724.7
52.5°	722.3	601.5	469.7	351.4	456.3	470.9	535.6	632.0	634.5	643.0	683.2
55°	647.8	539.3	435.5	323.3	394.1	425.8	484.4	591.7	596.6	605.2	641.7
57.5°	579.5	449.0	428.3	290.4	336.7	367.2	439.3	552.7	555.2	562.4	597.8
60°	506.3	324.6	392.9	255.0	286.7	309.9	397.8	506.3	514.9	519.8	550.2
62.5°	423.3	235.5	356.3	230.6	262.3	267.2	363.6	462.5	473.4	477.1	495.4
65°	301.4	197.7	302.5	209.9	236.7	238.0	327.0	417.3	427.1	433.2	446.5
67.5°	203.8	161.1	230.6	190.3	217.2	218.4	291.6	364.9	378.2	383.1	391.7
70°	141.5	107.3	170.8	169.6	195.2	197.7	253.8	317.2	329.5	333.1	337.9
72.5°	103.7	86.6	141.5	152.5	172.0	174.5	214.8	263.5	275.7	279.4	281.8
75°	79.3	91.5	114.7	133.0	146.5	147.6	175.7	214.8	223.3	225.7	227.0
77.5°	63.4	85.4	84.2	107.3	119.5	117.2	137.9	165.9	173.3	173.3	173.3
80°	47.6	67.1	63.4	76.9	87.9	85.4	98.8	118.3	120.8	123.3	122.0
82.5°	35.4	42.7	42.7	48.8	58.6	56.1	65.9	76.9	76.9	76.9	79.3
85°	21.9	24.4	19.6	25.7	32.9	31.7	36.6	41.5	42.7	42.7	40.3
87.5°	13.5	11.0	6.1	9.7	14.6	14.6	17.1	18.3	17.1	17.1	17.1
90°	19.6	13.6	7.5	13.6	19.6	21.2	33.3	49.4	57.5	51.1	38.3
92.5°	133.3	81.8	30.3	81.8	133.3	146.1	205.3	284.4	323.8	283.8	203.8
95°	261.0	166.8	72.7	166.8	261.0	284.5	505.2	799.5	946.7	844.8	640.9
97.5°	291.8	208.7	125.6	208.7	291.8	312.6	680.6	1171.2	1416.6	1352.2	1223.4
100°	317.2	241.8	166.5	241.8	317.2	336.0	744.4	1288.9	1561.1	1565.8	1575.2
102.5°	341.8	271.5	201.3	271.5	341.8	359.4	773.6	1325.8	1602.0	1684.0	1848.2
105°	379.3	319.8	260.3	319.8	379.3	394.2	795.3	1330.1	1597.4	1781.3	2149.3
107.5°	431.8	376.3	320.8	376.3	431.8	445.7	799.4	1270.9	1506.6	1763.2	2276.5
110°	461.9	411.8	361.7	411.8	461.9	474.5	793.3	1218.4	1430.9	1717.8	2291.6



TEST NUMBER: P935046

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	497.4	449.5	401.8	449.5	497.4	509.3	793.6	1172.6	1362.1	1655.7	2242.9
115°	550.5	506.4	462.4	506.4	550.5	561.5	800.8	1120.0	1279.6	1562.5	2128.2
117.5°	602.2	562.2	522.1	562.2	602.2	612.2	815.8	1087.1	1222.8	1478.1	1988.6
120°	632.3	594.6	557.0	594.6	632.3	641.7	827.9	1076.1	1200.2	1433.4	1899.9
122.5°	667.0	629.0	591.0	629.0	667.0	676.5	845.2	1070.2	1182.7	1392.7	1812.8
125°	712.5	677.9	643.2	677.9	712.5	721.2	868.7	1065.5	1163.8	1342.3	1699.1
127.5°	755.5	720.5	685.6	720.5	755.5	764.3	892.2	1062.7	1148.0	1301.1	1607.5
130°	783.6	745.9	708.2	745.9	783.6	793.0	909.3	1064.4	1141.9	1278.2	1551.0
132.5°	807.0	769.4	731.7	769.4	807.0	816.5	923.2	1065.5	1136.6	1258.7	1502.8
135°	835.2	800.8	766.6	800.8	835.2	843.8	938.4	1064.5	1127.5	1229.7	1434.2
137.5°	870.1	836.0	802.1	836.0	870.1	878.5	961.0	1071.0	1125.9	1212.4	1385.3
140°	894.2	862.9	831.6	862.9	894.2	902.0	974.9	1072.1	1120.7	1195.4	1344.7
142.5°	912.2	883.3	854.3	883.3	912.2	919.4	986.5	1075.9	1120.7	1186.3	1317.4
145°	939.7	914.4	889.2	914.4	939.7	945.9	1001.7	1076.0	1113.1	1166.8	1274.0
147.5°	973.0	948.5	923.9	948.5	973.0	979.2	1023.9	1083.4	1113.1	1155.3	1239.7
150°	991.0	968.9	946.7	968.9	991.0	996.6	1035.4	1087.2	1113.1	1148.8	1220.1
152.5°	1003.8	987.0	970.1	987.0	1003.8	1008.0	1043.0	1089.7	1113.1	1143.6	1204.5
155°	1029.8	1017.3	1004.9	1017.3	1029.8	1032.9	1059.6	1095.3	1113.1	1137.3	1185.8
157.5°	1054.9	1042.7	1030.6	1042.7	1054.9	1057.9	1076.3	1100.8	1113.1	1132.0	1169.6
160°	1066.9	1057.5	1048.1	1057.5	1066.9	1069.3	1083.9	1103.4	1113.1	1129.3	1161.6
162.5°	1079.6	1072.6	1065.5	1072.6	1079.6	1081.4	1091.9	1106.0	1113.1	1126.8	1154.0
165°	1097.1	1090.7	1084.4	1090.7	1097.1	1098.8	1103.6	1109.9	1113.1	1122.9	1142.4
167.5°	1107.8	1104.8	1101.8	1104.8	1107.8	1108.6	1112.6	1117.9	1120.7	1127.0	1139.9
170°	1119.2	1116.1	1113.1	1116.1	1119.2	1119.9	1120.2	1120.5	1120.7	1127.0	1139.9
172.5°	1120.5	1119.9	1119.2	1119.9	1120.5	1120.7	1120.7	1120.7	1120.7	1125.8	1135.9
175°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1125.2	1122.2	1120.7	1123.9	1130.2
177.5°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1125.8	1123.4	1122.2	1124.8	1129.8
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935046

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1244.5	1240.8	1245.7	1232.3	1245.7	1240.8	1244.5	1253.0	1245.7	1250.6	1255.5
5°	1092.0	1085.9	1066.4	1050.5	1066.4	1085.9	1092.0	1117.6	1129.8	1151.8	1181.1
7.5°	976.0	971.2	966.3	956.6	966.3	971.2	976.0	983.4	995.6	1015.2	1037.1
10°	950.5	951.7	959.0	957.8	959.0	951.7	950.5	948.0	944.4	948.0	961.4
12.5°	1016.3	1027.3	1067.5	1065.2	1067.5	1027.3	1016.3	967.6	934.6	928.5	930.9
15°	1092.0	1095.7	1104.2	1105.4	1104.2	1095.7	1092.0	1072.5	973.7	930.9	917.6
17.5°	1099.3	1100.6	1106.7	1106.7	1106.7	1100.6	1099.3	1090.7	1057.8	1000.5	924.8
20°	1093.2	1095.7	1107.8	1110.3	1107.8	1095.7	1093.2	1082.2	1063.9	1043.2	985.9
22.5°	1090.7	1095.7	1105.4	1104.2	1105.4	1095.7	1090.7	1073.6	1057.8	1043.2	1020.0
25°	1078.6	1078.6	1079.8	1081.0	1079.8	1078.6	1078.6	1065.2	1033.4	1029.8	1016.3
27.5°	1052.9	1055.4	1062.7	1061.5	1062.7	1055.4	1052.9	1048.1	1013.9	1010.2	1000.5
30°	1029.8	1027.3	1021.2	1016.3	1021.2	1027.3	1029.8	1022.4	988.3	978.5	981.0
32.5°	990.7	984.6	978.5	974.9	978.5	984.6	990.7	988.3	962.7	949.2	951.7
35°	944.4	945.6	944.4	940.7	944.4	945.6	944.4	946.8	930.9	918.7	917.6
37.5°	911.5	913.8	912.6	907.7	912.6	913.8	911.5	909.0	887.0	883.3	885.8
40°	877.3	878.4	877.3	873.6	877.3	878.4	877.3	872.3	841.9	843.1	851.6
42.5°	844.3	843.1	839.4	837.0	839.4	843.1	844.3	837.0	797.9	794.3	810.1
45°	806.5	807.7	800.4	796.8	800.4	807.7	806.5	801.6	761.4	751.5	762.5
47.5°	768.6	768.6	762.5	758.9	762.5	768.6	768.6	762.5	719.9	710.1	716.2
50°	728.4	727.2	718.6	717.4	718.6	727.2	728.4	724.7	679.6	671.0	671.0
52.5°	682.0	682.0	683.2	685.7	683.2	682.0	682.0	683.2	643.0	634.5	632.0
55°	641.7	643.0	651.6	653.9	651.6	643.0	641.7	641.7	605.2	596.6	591.7
57.5°	600.3	600.3	606.4	606.4	606.4	600.3	600.3	597.8	562.4	555.2	552.7
60°	552.7	555.2	560.1	558.8	560.1	555.2	552.7	550.2	519.8	514.9	506.3
62.5°	502.7	505.1	506.3	503.9	506.3	505.1	502.7	495.4	477.1	473.4	462.5
65°	450.2	452.6	453.9	451.5	453.9	452.6	450.2	446.5	433.2	427.1	417.3
67.5°	396.5	395.3	394.1	399.0	394.1	395.3	396.5	391.7	383.1	378.2	364.9
70°	341.7	341.7	340.4	342.8	340.4	341.7	341.7	337.9	333.1	329.5	317.2
72.5°	283.1	281.8	286.7	283.1	286.7	281.8	283.1	281.8	279.4	275.7	263.5
75°	225.7	228.1	225.7	229.4	225.7	228.1	225.7	227.0	225.7	223.3	214.8
77.5°	172.0	174.5	172.0	172.0	172.0	174.5	172.0	173.3	173.3	173.3	165.9
80°	122.0	120.8	120.8	119.5	120.8	120.8	122.0	122.0	123.3	120.8	118.3
82.5°	78.0	76.9	76.9	79.3	76.9	76.9	78.0	79.3	76.9	76.9	76.9
85°	42.7	43.9	41.5	41.5	41.5	43.9	42.7	40.3	42.7	42.7	41.5
87.5°	15.8	14.6	14.6	14.6	14.6	14.6	15.8	17.1	17.1	17.1	18.3
90°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	38.3	51.1	57.5	49.4
92.5°	143.8	138.1	115.3	92.3	115.3	138.1	143.8	203.8	283.8	323.8	284.4
95°	488.1	470.8	401.5	332.2	401.5	470.8	488.1	640.9	844.8	946.7	799.5
97.5°	1126.8	1093.8	961.9	830.1	961.9	1093.8	1126.8	1223.4	1352.2	1416.6	1171.2
100°	1582.3	1543.0	1386.0	1228.9	1386.0	1543.0	1582.3	1575.2	1565.8	1561.1	1288.9
102.5°	1971.3	1937.6	1803.1	1668.5	1803.1	1937.6	1971.3	1848.2	1684.0	1602.0	1325.8
105°	2425.3	2407.2	2334.9	2262.5	2334.9	2407.2	2425.3	2149.3	1781.3	1597.4	1330.1
107.5°	2661.3	2665.7	2683.2	2700.7	2683.2	2665.7	2661.3	2276.5	1763.2	1506.6	1270.9
110°	2721.9	2740.7	2816.1	2891.4	2816.1	2740.7	2721.9	2291.6	1717.8	1430.9	1218.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2683.3	2712.3	2827.9	2943.6	2827.9	2712.3	2683.3	2242.9	1655.7	1362.1	1172.6
115°	2552.4	2592.6	2752.9	2913.4	2752.9	2592.6	2552.4	2128.2	1562.5	1279.6	1120.0
117.5°	2371.5	2416.0	2593.9	2771.8	2593.9	2416.0	2371.5	1988.6	1478.1	1222.8	1087.1
120°	2249.7	2292.9	2465.8	2638.7	2465.8	2292.9	2249.7	1899.9	1433.4	1200.2	1076.1
122.5°	2127.9	2170.6	2341.0	2511.5	2341.0	2170.6	2127.9	1812.8	1392.7	1182.7	1070.2
125°	1966.7	2006.0	2163.0	2320.1	2163.0	2006.0	1966.7	1699.1	1342.3	1163.8	1065.5
127.5°	1837.3	1870.4	2002.9	2135.5	2002.9	1870.4	1837.3	1607.5	1301.1	1148.0	1062.7
130°	1755.6	1786.2	1908.6	2031.0	1908.6	1786.2	1755.6	1551.0	1278.2	1141.9	1064.4
132.5°	1685.9	1713.3	1823.0	1932.6	1823.0	1713.3	1685.9	1502.8	1258.7	1136.6	1065.5
135°	1587.6	1611.2	1705.8	1800.3	1705.8	1611.2	1587.6	1434.2	1229.7	1127.5	1064.5
137.5°	1514.9	1534.3	1611.6	1689.0	1611.6	1534.3	1514.9	1385.3	1212.4	1125.9	1071.0
140°	1456.7	1474.8	1547.0	1619.3	1547.0	1474.8	1456.7	1344.7	1195.4	1120.7	1072.1
142.5°	1415.8	1431.4	1493.6	1555.8	1493.6	1431.4	1415.8	1317.4	1186.3	1120.7	1075.9
145°	1354.5	1366.3	1413.4	1460.4	1413.4	1366.3	1354.5	1274.0	1166.8	1113.1	1076.0
147.5°	1303.1	1312.8	1351.8	1390.8	1351.8	1312.8	1303.1	1239.7	1155.3	1113.1	1083.4
150°	1273.6	1281.5	1313.1	1344.7	1313.1	1281.5	1273.6	1220.1	1148.8	1113.1	1087.2
152.5°	1250.1	1256.1	1280.0	1303.8	1280.0	1256.1	1250.1	1204.5	1143.6	1113.1	1089.7
155°	1222.1	1226.0	1241.8	1257.7	1241.8	1226.0	1222.1	1185.8	1137.3	1113.1	1095.3
157.5°	1197.9	1200.6	1211.7	1222.8	1211.7	1200.6	1197.9	1169.6	1132.0	1113.1	1100.8
160°	1185.8	1187.4	1193.8	1200.2	1193.8	1187.4	1185.8	1161.6	1129.3	1113.1	1103.4
162.5°	1174.4	1176.0	1182.0	1188.1	1182.0	1176.0	1174.4	1154.0	1126.8	1113.1	1106.0
165°	1157.1	1158.7	1165.1	1171.4	1165.1	1158.7	1157.1	1142.4	1122.9	1113.1	1109.9
167.5°	1149.4	1150.1	1152.8	1155.5	1152.8	1150.1	1149.4	1139.9	1127.0	1120.7	1117.9
170°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1139.9	1127.0	1120.7	1120.5
172.5°	1143.4	1142.9	1140.5	1138.1	1140.5	1142.9	1143.4	1135.9	1125.8	1120.7	1120.7
175°	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1130.2	1123.9	1120.7	1122.2
177.5°	1133.6	1133.0	1130.2	1127.5	1130.2	1133.0	1133.6	1129.8	1124.8	1122.2	1123.4
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1273.8	1279.9	1283.6	1288.4	1300.6
5°	1225.0	1248.2	1255.5	1273.8	1295.8
7.5°	1117.6	1188.3	1207.9	1251.8	1286.0
10°	1013.9	1084.7	1118.9	1222.6	1273.8
12.5°	961.4	1003.0	1026.1	1171.3	1256.7
15°	928.5	957.8	974.9	1102.9	1237.2
17.5°	902.9	923.6	935.8	1035.9	1210.4
20°	887.0	896.8	907.7	987.0	1179.8
22.5°	876.1	870.0	878.4	952.9	1138.3
25°	868.7	845.5	855.3	926.1	1089.6
27.5°	874.8	823.6	827.2	901.6	1038.4
30°	876.1	796.8	797.9	876.1	981.0
32.5°	867.5	768.6	769.9	844.3	916.3
35°	846.8	735.7	734.5	807.7	828.4
37.5°	818.7	700.3	700.3	767.5	732.1
40°	784.6	664.9	668.6	715.0	646.7
42.5°	743.1	627.1	632.0	645.5	583.2
45°	697.9	590.5	594.2	545.4	534.4
47.5°	647.8	552.7	554.0	452.6	518.6
50°	588.1	513.7	508.8	388.0	517.3
52.5°	535.6	470.9	456.3	351.4	469.7
55°	484.4	425.8	394.1	323.3	435.5
57.5°	439.3	367.2	336.7	290.4	428.3
60°	397.8	309.9	286.7	255.0	392.9
62.5°	363.6	267.2	262.3	230.6	356.3
65°	327.0	238.0	236.7	209.9	302.5
67.5°	291.6	218.4	217.2	190.3	230.6
70°	253.8	197.7	195.2	169.6	170.8
72.5°	214.8	174.5	172.0	152.5	141.5
75°	175.7	147.6	146.5	133.0	114.7
77.5°	137.9	117.2	119.5	107.3	84.2
80°	98.8	85.4	87.9	76.9	63.4
82.5°	65.9	56.1	58.6	48.8	42.7
85°	36.6	31.7	32.9	25.7	19.6
87.5°	17.1	14.6	14.6	9.7	6.1
90°	33.3	21.2	19.6	13.6	7.5
92.5°	205.3	146.1	133.3	81.8	30.3
95°	505.2	284.5	261.0	166.8	72.7
97.5°	680.6	312.6	291.8	208.7	125.6
100°	744.4	336.0	317.2	241.8	166.5
102.5°	773.6	359.4	341.8	271.5	201.3
105°	795.3	394.2	379.3	319.8	260.3
107.5°	799.4	445.7	431.8	376.3	320.8
110°	793.3	474.5	461.9	411.8	361.7



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CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	793.6	509.3	497.4	449.5	401.8
115°	800.8	561.5	550.5	506.4	462.4
117.5°	815.8	612.2	602.2	562.2	522.1
120°	827.9	641.7	632.3	594.6	557.0
122.5°	845.2	676.5	667.0	629.0	591.0
125°	868.7	721.2	712.5	677.9	643.2
127.5°	892.2	764.3	755.5	720.5	685.6
130°	909.3	793.0	783.6	745.9	708.2
132.5°	923.2	816.5	807.0	769.4	731.7
135°	938.4	843.8	835.2	800.8	766.6
137.5°	961.0	878.5	870.1	836.0	802.1
140°	974.9	902.0	894.2	862.9	831.6
142.5°	986.5	919.4	912.2	883.3	854.3
145°	1001.7	945.9	939.7	914.4	889.2
147.5°	1023.9	979.2	973.0	948.5	923.9
150°	1035.4	996.6	991.0	968.9	946.7
152.5°	1043.0	1008.0	1003.8	987.0	970.1
155°	1059.6	1032.9	1029.8	1017.3	1004.9
157.5°	1076.3	1057.9	1054.9	1042.7	1030.6
160°	1083.9	1069.3	1066.9	1057.5	1048.1
162.5°	1091.9	1081.4	1079.6	1072.6	1065.5
165°	1103.6	1098.8	1097.1	1090.7	1084.4
167.5°	1112.6	1108.6	1107.8	1104.8	1101.8
170°	1120.2	1119.9	1119.2	1116.1	1113.1
172.5°	1120.7	1120.7	1120.5	1119.9	1119.2
175°	1125.2	1127.5	1127.5	1127.5	1127.5
177.5°	1125.8	1127.5	1127.5	1127.5	1127.5
180°	1127.5	1127.5	1127.5	1127.5	1127.5



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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	9.00	9.71	10.10	10.81	12.33	11.84	12.55	12.94	13.65	15.16
	3H	9.46	10.10	10.57	11.21	12.74	13.17	13.81	14.28	14.92	16.45
	4H	9.65	10.26	10.77	11.36	12.90	13.61	14.22	14.73	15.33	16.86
	6H	9.76	10.32	10.89	11.43	12.98	13.89	14.45	15.02	15.56	17.11
	8H	9.76	10.29	10.89	11.42	12.96	13.96	14.49	15.10	15.62	17.16
	12H	9.72	10.23	10.86	11.35	12.91	14.00	14.50	15.13	15.62	17.19
4H	2H	10.01	10.62	11.14	11.73	13.27	12.23	12.84	13.36	13.94	15.48
	3H	11.03	11.54	12.16	12.67	14.22	13.72	14.23	14.86	15.36	16.91
	4H	11.30	11.76	12.44	12.89	14.46	14.25	14.71	15.38	15.83	17.40
	6H	11.41	11.81	12.56	12.96	14.52	14.60	15.00	15.75	16.15	17.71
	8H	11.42	11.79	12.56	12.93	14.50	14.71	15.08	15.85	16.22	17.80
	12H	11.38	11.71	12.54	12.86	14.45	14.76	15.10	15.92	16.25	17.83
8H	4H	11.74	12.11	12.88	13.25	14.83	14.36	14.73	15.50	15.87	17.45
	6H	12.00	12.30	13.16	13.48	15.06	14.79	15.10	15.95	16.28	17.85
	8H	12.04	12.31	13.21	13.47	15.06	14.94	15.21	16.11	16.37	17.96
	12H	12.02	12.25	13.19	13.41	15.04	15.03	15.27	16.21	16.43	18.05
12H	4H	11.74	12.08	12.90	13.23	14.81	14.32	14.65	15.48	15.80	17.38
	6H	12.06	12.33	13.23	13.48	15.08	14.79	15.05	15.96	16.21	17.81
	8H	12.12	12.35	13.29	13.51	15.14	14.94	15.18	16.12	16.33	17.96