

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: P935092

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935092
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-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

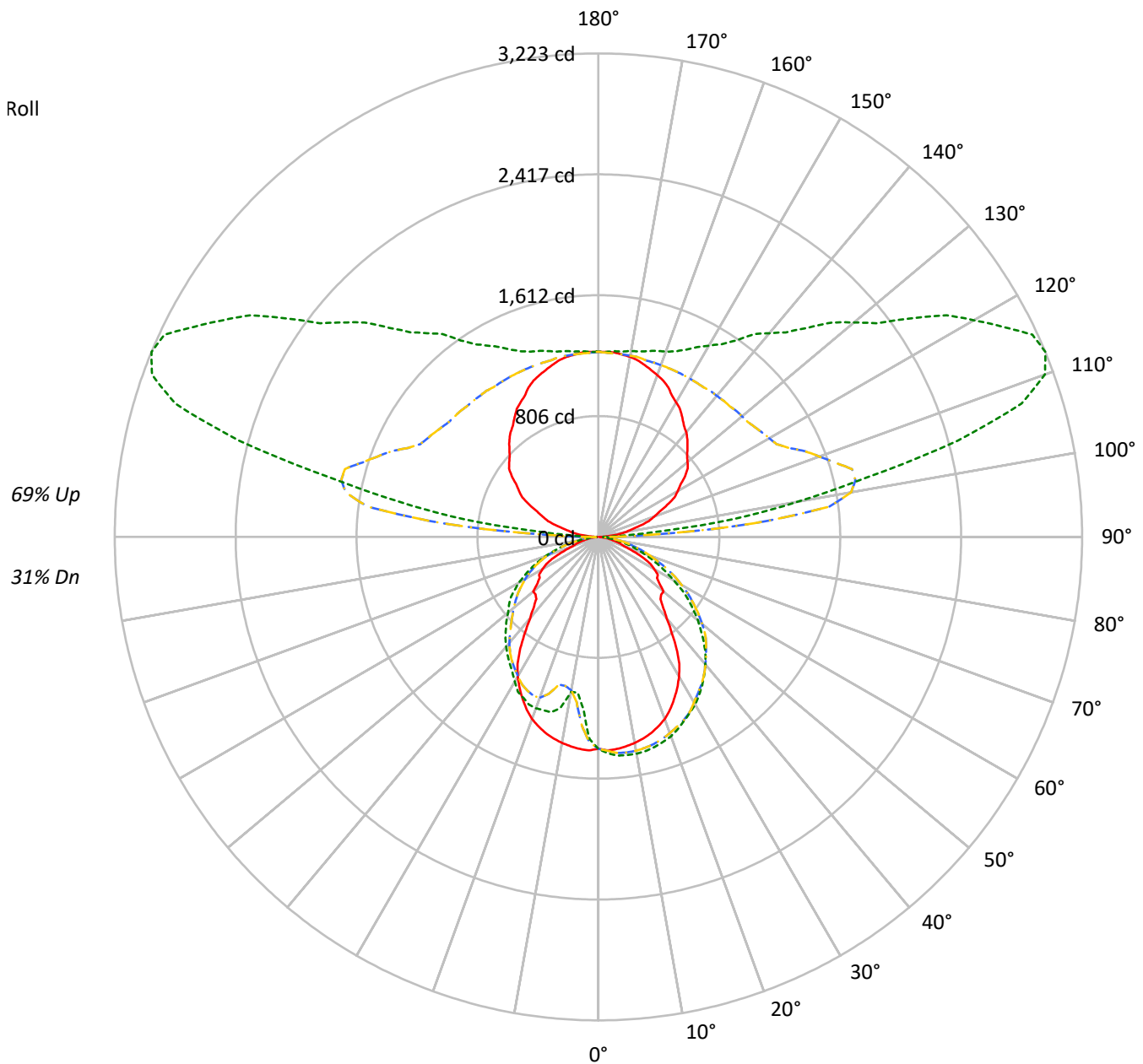
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11669.1 lumens
Efficiency: N/A
Efficacy: 141.6 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°	6552	6552	6552	6552
5°	6601	6613	6601	5200
10°	6556	6515	6556	4657
15°	6485	6373	6485	5322
20°	6349	6206	6349	5333
25°	6072	5962	6072	5220
30°	5713	5760	5713	4972
35°	5093	5504	5093	4699
40°	4244	5202	4244	4494
45°	3792	4849	3792	4256
50°	4028	4429	4028	4018
55°	3790	3975	3790	3881
60°	3907	3376	3907	3554
65°	3542	2791	3542	3120
70°	2452	2224	2452	2615
75°	2151	1645	2151	1969
80°	1732	1087	1732	1183
85°	997	576	997	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5812 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	1.1
10°-20°	361.9	3.1
20°-30°	559.4	4.8
30°-40°	667.9	5.7
40°-50°	671.8	5.8
50°-60°	584.5	5.0
60°-70°	414.4	3.6
70°-80°	219.3	1.9
80°-90°	59.3	0.5
90°-100°	601.8	5.2
100°-110°	1582.1	13.6
110°-120°	1640.5	14.1
120°-130°	1315.9	11.3
130°-140°	1032.5	8.8
140°-150°	792.5	6.8
150°-160°	570.7	4.9
160°-170°	349.2	3.0
170°-180°	118.0	1.0
0°-30°	1048.8	9.0
0°-40°	1716.7	14.7
0°-60°	2973.0	25.5
0°-90°	3666.0	31.4
90°-120°	3824.4	32.8
90°-150°	6965.3	59.7
90°-180°	8003.0	68.6
0°-180°	11669.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1412	1412	1412	1412	1412	
5°	1419	1463	1419	1150	1419	135
15°	1355	1450	1355	1210	1355	381
25°	1193	1352	1193	1184	1193	548
35°	907	1206	907	1030	907	561
45°	585	994	585	872	585	469
55°	477	734	477	716	477	438
65°	331	442	331	494	331	317
75°	126	210	126	251	126	132
85°	21	54	21	45	21	29
90°	8	32	8	32	8	8
95°	80	364	80	364	80	88
105°	285	2477	285	2477	285	302
115°	506	3190	506	3190	506	500
125°	704	2540	704	2540	704	625
135°	839	1971	839	1971	839	649
145°	974	1599	974	1599	974	610
155°	1100	1377	1100	1377	1100	506
165°	1187	1283	1187	1283	1187	335
175°	1234	1243	1234	1243	1234	117
180°	1234	1234	1234	1234	1234	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1424.1	1424.1	1432.1	1434.8	1434.8	1430.8	1426.8	1430.8	1442.8	1446.8	1445.5
5°	1418.8	1429.5	1444.2	1446.8	1449.5	1448.2	1445.5	1448.2	1461.5	1464.2	1465.5
7.5°	1408.0	1428.2	1446.8	1450.9	1454.9	1450.9	1449.5	1452.2	1465.5	1468.2	1468.2
10°	1394.7	1422.8	1444.2	1446.8	1450.9	1446.8	1446.8	1452.2	1465.5	1468.2	1469.5
12.5°	1376.0	1414.7	1434.8	1437.4	1442.8	1441.5	1440.1	1445.5	1458.8	1461.5	1461.5
15°	1354.7	1400.1	1418.8	1421.4	1430.8	1428.2	1428.2	1433.4	1448.2	1452.2	1450.9
17.5°	1325.3	1381.4	1402.8	1406.8	1413.4	1412.1	1413.4	1418.8	1432.1	1434.8	1436.1
20°	1291.8	1356.0	1381.4	1385.3	1392.0	1392.0	1392.0	1398.7	1412.1	1417.4	1417.4
22.5°	1246.4	1329.3	1356.0	1358.6	1366.7	1366.7	1369.3	1378.7	1390.7	1392.0	1392.0
25°	1193.0	1299.9	1322.6	1330.6	1338.6	1342.6	1346.6	1352.0	1356.0	1354.7	1356.0
27.5°	1136.9	1262.4	1291.8	1297.2	1307.8	1311.9	1317.2	1318.6	1319.9	1323.9	1321.3
30°	1074.1	1210.3	1254.5	1259.8	1277.2	1279.9	1274.5	1277.2	1283.8	1286.5	1289.2
32.5°	1003.3	1132.9	1215.7	1227.8	1243.8	1235.7	1234.4	1238.4	1249.1	1249.1	1251.8
35°	907.1	1072.8	1179.7	1190.3	1202.4	1193.0	1198.4	1199.7	1206.4	1210.3	1209.0
37.5°	801.6	1020.7	1142.2	1150.3	1159.6	1147.6	1155.6	1159.6	1164.9	1162.2	1162.2
40°	708.1	939.1	1098.2	1103.5	1111.5	1102.2	1110.1	1112.8	1115.5	1112.8	1111.5
42.5°	638.5	849.7	1051.4	1058.1	1052.7	1059.4	1062.0	1067.4	1063.4	1058.1	1058.1
45°	585.2	825.6	1000.6	1008.6	1000.6	1011.3	1015.3	1015.3	1003.3	1000.6	999.3
47.5°	567.8	777.5	949.9	949.9	945.8	959.2	965.9	956.6	944.5	940.5	940.5
50°	566.4	724.1	880.4	875.1	893.7	909.7	903.1	893.7	884.3	869.7	869.7
52.5°	514.3	658.7	790.9	810.9	840.3	849.7	838.9	829.7	813.6	806.9	801.6
55°	476.9	590.5	709.4	749.5	780.2	792.2	772.2	762.8	738.7	734.7	732.1
57.5°	468.9	491.6	634.6	685.3	722.7	721.4	709.4	692.0	672.0	668.0	666.6
60°	430.2	355.4	554.4	614.5	653.3	649.3	638.5	622.5	603.9	601.2	598.5
62.5°	390.1	257.9	463.5	531.7	586.4	585.2	575.8	551.8	538.3	531.7	526.4
65°	331.3	216.4	330.0	442.2	521.0	523.7	503.7	486.2	471.6	463.5	462.2
67.5°	252.5	176.4	223.1	368.7	458.3	455.6	430.2	422.2	403.5	399.5	391.4
70°	187.0	117.5	155.0	299.3	396.8	390.1	370.0	360.8	343.3	334.0	328.7
72.5°	155.0	94.8	113.5	232.5	334.0	326.0	308.6	297.9	283.3	275.2	269.8
75°	125.6	100.2	86.9	172.3	271.2	265.8	249.8	239.1	227.1	216.4	217.7
77.5°	92.2	93.5	69.4	126.9	215.1	207.1	197.7	184.4	179.0	168.3	168.3
80°	69.4	73.5	52.1	86.9	155.0	155.0	146.9	137.6	128.3	122.9	122.9
82.5°	46.7	46.7	38.7	54.8	105.6	101.5	96.2	93.5	88.1	85.5	85.5
85°	21.4	26.7	24.0	33.4	57.5	60.2	60.2	57.5	56.1	53.5	54.8
87.5°	6.7	12.1	14.7	18.7	29.4	30.8	32.1	32.1	32.1	33.4	33.4
90°	8.3	14.9	21.5	23.2	36.5	54.1	62.9	56.0	41.9	31.5	31.5
92.5°	33.2	89.5	145.9	160.0	224.8	311.3	354.6	310.8	223.2	157.5	151.2
95°	79.6	182.7	285.8	311.5	553.2	875.4	1036.5	925.0	701.8	534.5	515.5
97.5°	137.5	228.5	319.5	342.2	745.2	1282.4	1551.1	1480.6	1339.5	1233.7	1197.7
100°	182.3	264.7	347.3	367.9	815.0	1411.2	1709.3	1714.5	1724.8	1732.5	1689.5
102.5°	220.4	297.3	374.3	393.5	847.0	1451.7	1754.1	1843.9	2023.7	2158.4	2121.6
105°	285.1	350.2	415.3	431.7	870.8	1456.4	1749.1	1950.5	2353.3	2655.5	2635.7
107.5°	351.3	412.0	472.8	488.0	875.3	1391.5	1649.7	1930.6	2492.6	2914.0	2918.8
110°	396.0	450.9	505.8	519.5	868.6	1334.0	1566.8	1880.9	2509.1	2980.3	3000.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	439.9	492.2	544.6	557.7	868.9	1283.9	1491.4	1812.9	2455.8	2938.1	2969.8
115°	506.3	554.5	602.8	614.8	876.9	1226.4	1401.1	1710.8	2330.2	2794.8	2838.7
117.5°	571.7	615.5	659.4	670.3	893.2	1190.3	1338.9	1618.4	2177.5	2596.7	2645.4
120°	609.9	651.1	692.3	702.6	906.5	1178.3	1314.1	1569.5	2080.2	2463.3	2510.6
122.5°	647.1	688.7	730.4	740.7	925.5	1171.8	1295.0	1525.0	1984.9	2329.9	2376.7
125°	704.3	742.2	780.2	789.6	951.2	1166.6	1274.3	1469.7	1860.4	2153.5	2196.5
127.5°	750.7	788.9	827.3	836.8	976.9	1163.6	1257.0	1424.7	1760.1	2011.7	2048.0
130°	775.5	816.7	858.0	868.3	995.6	1165.4	1250.3	1399.6	1698.3	1922.3	1955.7
132.5°	801.2	842.4	883.7	894.0	1010.8	1166.6	1244.5	1378.2	1645.5	1846.0	1876.0
135°	839.3	876.9	914.5	923.9	1027.5	1165.5	1234.5	1346.5	1570.4	1738.3	1764.2
137.5°	878.3	915.4	952.7	961.9	1052.3	1172.7	1232.8	1327.5	1516.8	1658.7	1680.0
140°	910.5	944.8	979.1	987.6	1067.4	1173.9	1227.1	1308.8	1472.4	1595.0	1614.8
142.5°	935.4	967.1	998.8	1006.7	1080.2	1178.1	1227.1	1298.9	1442.5	1550.3	1567.3
145°	973.6	1001.2	1028.9	1035.7	1096.8	1178.2	1218.8	1277.6	1395.0	1483.1	1496.0
147.5°	1011.6	1038.5	1065.4	1072.2	1121.1	1186.2	1218.8	1265.0	1357.4	1426.8	1437.4
150°	1036.5	1060.8	1085.1	1091.2	1133.7	1190.4	1218.8	1257.8	1335.9	1394.5	1403.2
152.5°	1062.2	1080.7	1099.1	1103.7	1142.0	1193.2	1218.8	1252.2	1318.8	1368.8	1375.4
155°	1100.3	1113.9	1127.6	1131.0	1160.2	1199.3	1218.8	1245.3	1298.4	1338.1	1342.4
157.5°	1128.5	1141.7	1155.1	1158.3	1178.5	1205.4	1218.8	1239.4	1280.7	1311.6	1314.6
160°	1147.6	1157.9	1168.2	1170.8	1186.8	1208.1	1218.8	1236.5	1271.9	1298.4	1300.2
162.5°	1166.6	1174.4	1182.2	1184.0	1195.6	1211.0	1218.8	1233.7	1263.5	1285.9	1287.6
165°	1187.3	1194.3	1201.3	1203.1	1208.3	1215.3	1218.8	1229.5	1250.9	1266.9	1268.7
167.5°	1206.4	1209.6	1213.0	1213.8	1218.2	1224.1	1227.1	1234.0	1248.1	1258.5	1259.2
170°	1218.8	1222.1	1225.5	1226.3	1226.6	1226.9	1227.1	1234.0	1248.1	1258.5	1258.5
172.5°	1225.5	1226.2	1226.9	1227.1	1227.1	1227.1	1227.1	1232.6	1243.7	1252.0	1251.4
175°	1234.5	1234.5	1234.5	1234.5	1232.1	1228.8	1227.1	1230.6	1237.5	1242.8	1242.8
177.5°	1234.5	1234.5	1234.5	1234.5	1232.6	1230.1	1228.8	1231.6	1237.0	1241.2	1240.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1448.2	1444.2	1448.2	1445.5	1446.8	1442.8	1430.8	1426.8	1430.8	1434.8	1434.8
5°	1465.5	1462.8	1465.5	1465.5	1464.2	1461.5	1448.2	1445.5	1448.2	1449.5	1446.8
7.5°	1470.9	1466.9	1470.9	1468.2	1468.2	1465.5	1452.2	1449.5	1450.9	1454.9	1450.9
10°	1470.9	1466.9	1470.9	1469.5	1468.2	1465.5	1452.2	1446.8	1446.8	1450.9	1446.8
12.5°	1464.2	1461.5	1464.2	1461.5	1461.5	1458.8	1445.5	1440.1	1441.5	1442.8	1437.4
15°	1453.5	1449.5	1453.5	1450.9	1452.2	1448.2	1433.4	1428.2	1428.2	1430.8	1421.4
17.5°	1437.4	1432.1	1437.4	1436.1	1434.8	1432.1	1418.8	1413.4	1412.1	1413.4	1406.8
20°	1418.8	1414.7	1418.8	1417.4	1417.4	1412.1	1398.7	1392.0	1392.0	1392.0	1385.3
22.5°	1389.4	1385.3	1389.4	1392.0	1392.0	1390.7	1378.7	1369.3	1366.7	1366.7	1358.6
25°	1356.0	1352.0	1356.0	1356.0	1354.7	1356.0	1352.0	1346.6	1342.6	1338.6	1330.6
27.5°	1323.9	1321.3	1323.9	1321.3	1323.9	1319.9	1318.6	1317.2	1311.9	1307.8	1297.2
30°	1291.8	1289.2	1291.8	1289.2	1286.5	1283.8	1277.2	1274.5	1279.9	1277.2	1259.8
32.5°	1251.8	1249.1	1251.8	1251.8	1249.1	1249.1	1238.4	1234.4	1235.7	1243.8	1227.8
35°	1210.3	1206.4	1210.3	1209.0	1210.3	1206.4	1199.7	1198.4	1193.0	1202.4	1190.3
37.5°	1162.2	1158.2	1162.2	1162.2	1162.2	1164.9	1159.6	1155.6	1147.6	1159.6	1150.3
40°	1112.8	1107.5	1112.8	1111.5	1112.8	1115.5	1112.8	1110.1	1102.2	1111.5	1103.5
42.5°	1056.8	1055.4	1056.8	1058.1	1058.1	1063.4	1067.4	1062.0	1059.4	1052.7	1058.1
45°	996.6	993.9	996.6	999.3	1000.6	1003.3	1015.3	1015.3	1011.3	1000.6	1008.6
47.5°	932.5	925.8	932.5	940.5	940.5	944.5	956.6	965.9	959.2	945.8	949.9
50°	864.3	865.7	864.3	869.7	869.7	884.3	893.7	903.1	909.7	893.7	875.1
52.5°	797.6	796.2	797.6	801.6	806.9	813.6	829.7	838.9	849.7	840.3	810.9
55°	730.8	733.5	730.8	732.1	734.7	738.7	762.8	772.2	792.2	780.2	749.5
57.5°	663.9	659.9	663.9	666.6	668.0	672.0	692.0	709.4	721.4	722.7	685.3
60°	586.4	581.2	586.4	598.5	601.2	603.9	622.5	638.5	649.3	653.3	614.5
62.5°	518.3	509.0	518.3	526.4	531.7	538.3	551.8	575.8	585.2	586.4	531.7
65°	446.2	442.2	446.2	462.2	463.5	471.6	486.2	503.7	523.7	521.0	442.2
67.5°	380.8	380.8	380.8	391.4	399.5	403.5	422.2	430.2	455.6	458.3	368.7
70°	320.6	319.3	320.6	328.7	334.0	343.3	360.8	370.0	390.1	396.8	299.3
72.5°	263.1	261.8	263.1	269.8	275.2	283.3	297.9	308.6	326.0	334.0	232.5
75°	212.4	209.8	212.4	217.7	216.4	227.1	239.1	249.8	265.8	271.2	172.3
77.5°	162.9	162.9	162.9	168.3	168.3	179.0	184.4	197.7	207.1	215.1	126.9
80°	121.6	120.2	121.6	122.9	122.9	128.3	137.6	146.9	155.0	155.0	86.9
82.5°	85.5	82.9	85.5	85.5	85.5	88.1	93.5	96.2	101.5	105.6	54.8
85°	53.5	53.5	53.5	54.8	53.5	56.1	57.5	60.2	60.2	57.5	33.4
87.5°	34.8	33.4	34.8	33.4	33.4	32.1	32.1	32.1	30.8	29.4	18.7
90°	31.5	31.5	31.5	31.5	31.5	41.9	56.0	62.9	54.1	36.5	23.2
92.5°	126.2	101.1	126.2	151.2	157.5	223.2	310.8	354.6	311.3	224.8	160.0
95°	439.6	363.7	439.6	515.5	534.5	701.8	925.0	1036.5	875.4	553.2	311.5
97.5°	1053.3	908.9	1053.3	1197.7	1233.7	1339.5	1480.6	1551.1	1282.4	745.2	342.2
100°	1517.6	1345.6	1517.6	1689.5	1732.5	1724.8	1714.5	1709.3	1411.2	815.0	367.9
102.5°	1974.3	1827.0	1974.3	2121.6	2158.4	2023.7	1843.9	1754.1	1451.7	847.0	393.5
105°	2556.5	2477.4	2556.5	2635.7	2655.5	2353.3	1950.5	1749.1	1456.4	870.8	431.7
107.5°	2938.0	2957.1	2938.0	2918.8	2914.0	2492.6	1930.6	1649.7	1391.5	875.3	488.0
110°	3083.4	3165.9	3083.4	3000.9	2980.3	2509.1	1880.9	1566.8	1334.0	868.6	519.5



TEST NUMBER: P935092

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3096.4	3223.1	3096.4	2969.8	2938.1	2455.8	1812.9	1491.4	1283.9	868.9	557.7
115°	3014.3	3190.0	3014.3	2838.7	2794.8	2330.2	1710.8	1401.1	1226.4	876.9	614.8
117.5°	2840.2	3035.0	2840.2	2645.4	2596.7	2177.5	1618.4	1338.9	1190.3	893.2	670.3
120°	2700.0	2889.2	2700.0	2510.6	2463.3	2080.2	1569.5	1314.1	1178.3	906.5	702.6
122.5°	2563.3	2750.0	2563.3	2376.7	2329.9	1984.9	1525.0	1295.0	1171.8	925.5	740.7
125°	2368.4	2540.4	2368.4	2196.5	2153.5	1860.4	1469.7	1274.3	1166.6	951.2	789.6
127.5°	2193.1	2338.2	2193.1	2048.0	2011.7	1760.1	1424.7	1257.0	1163.6	976.9	836.8
130°	2089.8	2223.9	2089.8	1955.7	1922.3	1698.3	1399.6	1250.3	1165.4	995.6	868.3
132.5°	1996.1	2116.1	1996.1	1876.0	1846.0	1645.5	1378.2	1244.5	1166.6	1010.8	894.0
135°	1867.7	1971.2	1867.7	1764.2	1738.3	1570.4	1346.5	1234.5	1165.5	1027.5	923.9
137.5°	1764.6	1849.4	1764.6	1680.0	1658.7	1516.8	1327.5	1232.8	1172.7	1052.3	961.9
140°	1693.9	1773.1	1693.9	1614.8	1595.0	1472.4	1308.8	1227.1	1173.9	1067.4	987.6
142.5°	1635.4	1703.6	1635.4	1567.3	1550.3	1442.5	1298.9	1227.1	1178.1	1080.2	1006.7
145°	1547.6	1599.1	1547.6	1496.0	1483.1	1395.0	1277.6	1218.8	1178.2	1096.8	1035.7
147.5°	1480.2	1522.9	1480.2	1437.4	1426.8	1357.4	1265.0	1218.8	1186.2	1121.1	1072.2
150°	1437.7	1472.4	1437.7	1403.2	1394.5	1335.9	1257.8	1218.8	1190.4	1133.7	1091.2
152.5°	1401.5	1427.6	1401.5	1375.4	1368.8	1318.8	1252.2	1218.8	1193.2	1142.0	1103.7
155°	1359.7	1377.1	1359.7	1342.4	1338.1	1298.4	1245.3	1218.8	1199.3	1160.2	1131.0
157.5°	1326.8	1338.9	1326.8	1314.6	1311.6	1280.7	1239.4	1218.8	1205.4	1178.5	1158.3
160°	1307.2	1314.1	1307.2	1300.2	1298.4	1271.9	1236.5	1218.8	1208.1	1186.8	1170.8
162.5°	1294.2	1300.9	1294.2	1287.6	1285.9	1263.5	1233.7	1218.8	1211.0	1195.6	1184.0
165°	1275.7	1282.6	1275.7	1268.7	1266.9	1250.9	1229.5	1218.8	1215.3	1208.3	1203.1
167.5°	1262.2	1265.2	1262.2	1259.2	1258.5	1248.1	1234.0	1227.1	1224.1	1218.2	1213.8
170°	1258.5	1258.5	1258.5	1258.5	1258.5	1248.1	1234.0	1227.1	1226.9	1226.6	1226.3
172.5°	1248.8	1246.2	1248.8	1251.4	1252.0	1243.7	1232.6	1227.1	1227.1	1227.1	1227.1
175°	1242.8	1242.8	1242.8	1242.8	1242.8	1237.5	1230.6	1227.1	1228.8	1232.1	1234.5
177.5°	1237.5	1234.5	1237.5	1240.5	1241.2	1237.0	1231.6	1228.8	1230.1	1232.6	1234.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935092

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1432.1	1424.1	1424.1	1410.7	1405.5	1401.4	1394.7	1374.7	1369.3	1364.0	1372.0
5°	1444.2	1429.5	1418.8	1394.7	1374.7	1366.7	1341.3	1293.2	1261.1	1237.0	1223.7
7.5°	1446.8	1428.2	1408.0	1370.7	1322.6	1301.2	1223.7	1135.5	1111.5	1090.1	1076.8
10°	1444.2	1422.8	1394.7	1338.6	1225.1	1187.6	1110.1	1052.7	1038.0	1034.0	1038.0
12.5°	1434.8	1414.7	1376.0	1282.5	1123.5	1098.2	1052.7	1019.3	1016.6	1023.3	1059.4
15°	1418.8	1400.1	1354.7	1207.6	1067.4	1048.7	1016.6	1004.7	1019.3	1066.1	1174.3
17.5°	1402.8	1381.4	1325.3	1134.2	1024.7	1011.3	988.6	1012.6	1095.5	1158.2	1194.3
20°	1381.4	1356.0	1291.8	1080.8	993.9	982.0	971.2	1079.5	1142.2	1164.9	1184.9
22.5°	1356.0	1329.3	1246.4	1043.4	961.8	952.6	959.2	1116.8	1142.2	1158.2	1175.6
25°	1322.6	1299.9	1193.0	1014.0	936.5	925.8	951.2	1112.8	1127.6	1131.6	1166.3
27.5°	1291.8	1262.4	1136.9	987.2	905.8	901.8	957.9	1095.5	1106.2	1110.1	1147.6
30°	1254.5	1210.3	1074.1	959.2	873.7	872.4	959.2	1074.1	1071.4	1082.2	1119.5
32.5°	1215.7	1132.9	1003.3	924.5	843.0	841.6	949.9	1042.0	1039.3	1054.1	1082.2
35°	1179.7	1072.8	907.1	884.3	804.3	805.6	927.2	1004.7	1006.0	1019.3	1036.7
37.5°	1142.2	1020.7	801.6	840.3	766.8	766.8	896.4	969.9	967.2	971.2	995.3
40°	1098.2	939.1	708.1	782.9	732.1	728.1	859.0	932.5	923.1	921.8	955.2
42.5°	1051.4	849.7	638.5	706.8	692.0	686.6	813.6	887.0	869.7	873.7	916.4
45°	1000.6	825.6	585.2	597.2	650.6	646.6	764.1	834.9	822.9	833.7	877.7
47.5°	949.9	777.5	567.8	495.6	606.6	605.2	709.4	784.2	777.5	788.2	834.9
50°	880.4	724.1	566.4	424.8	557.1	562.4	643.9	734.7	734.7	744.1	793.5
52.5°	790.9	658.7	514.3	384.8	499.6	515.6	586.4	692.0	694.7	704.1	748.1
55°	709.4	590.5	476.9	354.0	431.5	466.2	530.4	647.9	653.3	662.6	702.7
57.5°	634.6	491.6	468.9	317.9	368.7	402.1	481.0	605.2	607.9	615.8	654.6
60°	554.4	355.4	430.2	279.2	313.9	339.3	435.6	554.4	563.7	569.1	602.5
62.5°	463.5	257.9	390.1	252.5	287.2	292.5	398.1	506.4	518.3	522.4	542.4
65°	330.0	216.4	331.3	229.8	259.2	260.6	358.1	456.9	467.6	474.3	488.9
67.5°	223.1	176.4	252.5	208.4	237.8	239.1	319.3	399.5	414.1	419.5	428.9
70°	155.0	117.5	187.0	185.7	213.7	216.4	277.9	347.3	360.8	364.7	370.0
72.5°	113.5	94.8	155.0	167.0	188.3	191.0	235.2	288.5	301.9	306.0	308.6
75°	86.9	100.2	125.6	145.6	160.4	161.7	192.3	235.2	244.5	247.1	248.5
77.5°	69.4	93.5	92.2	117.5	130.9	128.3	151.0	181.7	189.7	189.7	189.7
80°	52.1	73.5	69.4	84.2	96.2	93.5	108.2	129.6	132.3	135.0	133.6
82.5°	38.7	46.7	46.7	53.5	64.1	61.5	72.1	84.2	84.2	84.2	86.9
85°	24.0	26.7	21.4	28.1	36.1	34.8	40.0	45.4	46.7	46.7	44.1
87.5°	14.7	12.1	6.7	10.7	16.0	16.0	18.7	20.0	18.7	18.7	18.7
90°	21.5	14.9	8.3	14.9	21.5	23.2	36.5	54.1	62.9	56.0	41.9
92.5°	145.9	89.5	33.2	89.5	145.9	160.0	224.8	311.3	354.6	310.8	223.2
95°	285.8	182.7	79.6	182.7	285.8	311.5	553.2	875.4	1036.5	925.0	701.8
97.5°	319.5	228.5	137.5	228.5	319.5	342.2	745.2	1282.4	1551.1	1480.6	1339.5
100°	347.3	264.7	182.3	264.7	347.3	367.9	815.0	1411.2	1709.3	1714.5	1724.8
102.5°	374.3	297.3	220.4	297.3	374.3	393.5	847.0	1451.7	1754.1	1843.9	2023.7
105°	415.3	350.2	285.1	350.2	415.3	431.7	870.8	1456.4	1749.1	1950.5	2353.3
107.5°	472.8	412.0	351.3	412.0	472.8	488.0	875.3	1391.5	1649.7	1930.6	2492.6
110°	505.8	450.9	396.0	450.9	505.8	519.5	868.6	1334.0	1566.8	1880.9	2509.1



TEST NUMBER: P935092

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	544.6	492.2	439.9	492.2	544.6	557.7	868.9	1283.9	1491.4	1812.9	2455.8
115°	602.8	554.5	506.3	554.5	602.8	614.8	876.9	1226.4	1401.1	1710.8	2330.2
117.5°	659.4	615.5	571.7	615.5	659.4	670.3	893.2	1190.3	1338.9	1618.4	2177.5
120°	692.3	651.1	609.9	651.1	692.3	702.6	906.5	1178.3	1314.1	1569.5	2080.2
122.5°	730.4	688.7	647.1	688.7	730.4	740.7	925.5	1171.8	1295.0	1525.0	1984.9
125°	780.2	742.2	704.3	742.2	780.2	789.6	951.2	1166.6	1274.3	1469.7	1860.4
127.5°	827.3	788.9	750.7	788.9	827.3	836.8	976.9	1163.6	1257.0	1424.7	1760.1
130°	858.0	816.7	775.5	816.7	858.0	868.3	995.6	1165.4	1250.3	1399.6	1698.3
132.5°	883.7	842.4	801.2	842.4	883.7	894.0	1010.8	1166.6	1244.5	1378.2	1645.5
135°	914.5	876.9	839.3	876.9	914.5	923.9	1027.5	1165.5	1234.5	1346.5	1570.4
137.5°	952.7	915.4	878.3	915.4	952.7	961.9	1052.3	1172.7	1232.8	1327.5	1516.8
140°	979.1	944.8	910.5	944.8	979.1	987.6	1067.4	1173.9	1227.1	1308.8	1472.4
142.5°	998.8	967.1	935.4	967.1	998.8	1006.7	1080.2	1178.1	1227.1	1298.9	1442.5
145°	1028.9	1001.2	973.6	1001.2	1028.9	1035.7	1096.8	1178.2	1218.8	1277.6	1395.0
147.5°	1065.4	1038.5	1011.6	1038.5	1065.4	1072.2	1121.1	1186.2	1218.8	1265.0	1357.4
150°	1085.1	1060.8	1036.5	1060.8	1085.1	1091.2	1133.7	1190.4	1218.8	1257.8	1335.9
152.5°	1099.1	1080.7	1062.2	1080.7	1099.1	1103.7	1142.0	1193.2	1218.8	1252.2	1318.8
155°	1127.6	1113.9	1100.3	1113.9	1127.6	1131.0	1160.2	1199.3	1218.8	1245.3	1298.4
157.5°	1155.1	1141.7	1128.5	1141.7	1155.1	1158.3	1178.5	1205.4	1218.8	1239.4	1280.7
160°	1168.2	1157.9	1147.6	1157.9	1168.2	1170.8	1186.8	1208.1	1218.8	1236.5	1271.9
162.5°	1182.2	1174.4	1166.6	1174.4	1182.2	1184.0	1195.6	1211.0	1218.8	1233.7	1263.5
165°	1201.3	1194.3	1187.3	1194.3	1201.3	1203.1	1208.3	1215.3	1218.8	1229.5	1250.9
167.5°	1213.0	1209.6	1206.4	1209.6	1213.0	1213.8	1218.2	1224.1	1227.1	1234.0	1248.1
170°	1225.5	1222.1	1218.8	1222.1	1225.5	1226.3	1226.6	1226.9	1227.1	1234.0	1248.1
172.5°	1226.9	1226.2	1225.5	1226.2	1226.9	1227.1	1227.1	1227.1	1227.1	1232.6	1243.7
175°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1232.1	1228.8	1227.1	1230.6	1237.5
177.5°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1232.6	1230.1	1228.8	1231.6	1237.0
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935092

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1362.6	1358.6	1364.0	1349.3	1364.0	1358.6	1362.6	1372.0	1364.0	1369.3	1374.7
5°	1195.7	1189.0	1167.6	1150.3	1167.6	1189.0	1195.7	1223.7	1237.0	1261.1	1293.2
7.5°	1068.7	1063.4	1058.1	1047.4	1058.1	1063.4	1068.7	1076.8	1090.1	1111.5	1135.5
10°	1040.7	1042.0	1050.1	1048.7	1050.1	1042.0	1040.7	1038.0	1034.0	1038.0	1052.7
12.5°	1112.8	1124.9	1168.9	1166.3	1168.9	1124.9	1112.8	1059.4	1023.3	1016.6	1019.3
15°	1195.7	1199.7	1209.0	1210.3	1209.0	1199.7	1195.7	1174.3	1066.1	1019.3	1004.7
17.5°	1203.7	1205.1	1211.7	1211.7	1211.7	1205.1	1203.7	1194.3	1158.2	1095.5	1012.6
20°	1197.0	1199.7	1213.0	1215.7	1213.0	1199.7	1197.0	1184.9	1164.9	1142.2	1079.5
22.5°	1194.3	1199.7	1210.3	1209.0	1210.3	1199.7	1194.3	1175.6	1158.2	1142.2	1116.8
25°	1181.0	1181.0	1182.4	1183.6	1182.4	1181.0	1181.0	1166.3	1131.6	1127.6	1112.8
27.5°	1152.9	1155.6	1163.6	1162.2	1163.6	1155.6	1152.9	1147.6	1110.1	1106.2	1095.5
30°	1127.6	1124.9	1118.2	1112.8	1118.2	1124.9	1127.6	1119.5	1082.2	1071.4	1074.1
32.5°	1084.7	1078.1	1071.4	1067.4	1071.4	1078.1	1084.7	1082.2	1054.1	1039.3	1042.0
35°	1034.0	1035.3	1034.0	1030.0	1034.0	1035.3	1034.0	1036.7	1019.3	1006.0	1004.7
37.5°	998.0	1000.6	999.3	993.9	999.3	1000.6	998.0	995.3	971.2	967.2	969.9
40°	960.5	961.8	960.5	956.6	960.5	961.8	960.5	955.2	921.8	923.1	932.5
42.5°	924.5	923.1	919.1	916.4	919.1	923.1	924.5	916.4	873.7	869.7	887.0
45°	883.1	884.3	876.4	872.4	876.4	884.3	883.1	877.7	833.7	822.9	834.9
47.5°	841.6	841.6	834.9	831.0	834.9	841.6	841.6	834.9	788.2	777.5	784.2
50°	797.6	796.2	786.8	785.5	786.8	796.2	797.6	793.5	744.1	734.7	734.7
52.5°	746.8	746.8	748.1	750.8	748.1	746.8	746.8	748.1	704.1	694.7	692.0
55°	702.7	704.1	713.4	716.0	713.4	704.1	702.7	702.7	662.6	653.3	647.9
57.5°	657.3	657.3	663.9	663.9	663.9	657.3	657.3	654.6	615.8	607.9	605.2
60°	605.2	607.9	613.2	611.8	613.2	607.9	605.2	602.5	569.1	563.7	554.4
62.5°	550.4	553.1	554.4	551.8	554.4	553.1	550.4	542.4	522.4	518.3	506.4
65°	492.9	495.6	497.0	494.3	497.0	495.6	492.9	488.9	474.3	467.6	456.9
67.5°	434.2	432.9	431.5	436.8	431.5	432.9	434.2	428.9	419.5	414.1	399.5
70°	374.1	374.1	372.7	375.4	372.7	374.1	374.1	370.0	364.7	360.8	347.3
72.5°	310.0	308.6	313.9	310.0	313.9	308.6	310.0	308.6	306.0	301.9	288.5
75°	247.1	249.8	247.1	251.2	247.1	249.8	247.1	248.5	247.1	244.5	235.2
77.5°	188.3	191.0	188.3	188.3	188.3	191.0	188.3	189.7	189.7	189.7	181.7
80°	133.6	132.3	132.3	130.9	132.3	132.3	133.6	133.6	135.0	132.3	129.6
82.5°	85.5	84.2	84.2	86.9	84.2	84.2	85.5	86.9	84.2	84.2	84.2
85°	46.7	48.1	45.4	45.4	45.4	48.1	46.7	44.1	46.7	46.7	45.4
87.5°	17.3	16.0	16.0	16.0	16.0	16.0	17.3	18.7	18.7	18.7	20.0
90°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	41.9	56.0	62.9	54.1
92.5°	157.5	151.2	126.2	101.1	126.2	151.2	157.5	223.2	310.8	354.6	311.3
95°	534.5	515.5	439.6	363.7	439.6	515.5	534.5	701.8	925.0	1036.5	875.4
97.5°	1233.7	1197.7	1053.3	908.9	1053.3	1197.7	1233.7	1339.5	1480.6	1551.1	1282.4
100°	1732.5	1689.5	1517.6	1345.6	1517.6	1689.5	1732.5	1724.8	1714.5	1709.3	1411.2
102.5°	2158.4	2121.6	1974.3	1827.0	1974.3	2121.6	2158.4	2023.7	1843.9	1754.1	1451.7
105°	2655.5	2635.7	2556.5	2477.4	2556.5	2635.7	2655.5	2353.3	1950.5	1749.1	1456.4
107.5°	2914.0	2918.8	2938.0	2957.1	2938.0	2918.8	2914.0	2492.6	1930.6	1649.7	1391.5
110°	2980.3	3000.9	3083.4	3165.9	3083.4	3000.9	2980.3	2509.1	1880.9	1566.8	1334.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2938.1	2969.8	3096.4	3223.1	3096.4	2969.8	2938.1	2455.8	1812.9	1491.4	1283.9
115°	2794.8	2838.7	3014.3	3190.0	3014.3	2838.7	2794.8	2330.2	1710.8	1401.1	1226.4
117.5°	2596.7	2645.4	2840.2	3035.0	2840.2	2645.4	2596.7	2177.5	1618.4	1338.9	1190.3
120°	2463.3	2510.6	2700.0	2889.2	2700.0	2510.6	2463.3	2080.2	1569.5	1314.1	1178.3
122.5°	2329.9	2376.7	2563.3	2750.0	2563.3	2376.7	2329.9	1984.9	1525.0	1295.0	1171.8
125°	2153.5	2196.5	2368.4	2540.4	2368.4	2196.5	2153.5	1860.4	1469.7	1274.3	1166.6
127.5°	2011.7	2048.0	2193.1	2338.2	2193.1	2048.0	2011.7	1760.1	1424.7	1257.0	1163.6
130°	1922.3	1955.7	2089.8	2223.9	2089.8	1955.7	1922.3	1698.3	1399.6	1250.3	1165.4
132.5°	1846.0	1876.0	1996.1	2116.1	1996.1	1876.0	1846.0	1645.5	1378.2	1244.5	1166.6
135°	1738.3	1764.2	1867.7	1971.2	1867.7	1764.2	1738.3	1570.4	1346.5	1234.5	1165.5
137.5°	1658.7	1680.0	1764.6	1849.4	1764.6	1680.0	1658.7	1516.8	1327.5	1232.8	1172.7
140°	1595.0	1614.8	1693.9	1773.1	1693.9	1614.8	1595.0	1472.4	1308.8	1227.1	1173.9
142.5°	1550.3	1567.3	1635.4	1703.6	1635.4	1567.3	1550.3	1442.5	1298.9	1227.1	1178.1
145°	1483.1	1496.0	1547.6	1599.1	1547.6	1496.0	1483.1	1395.0	1277.6	1218.8	1178.2
147.5°	1426.8	1437.4	1480.2	1522.9	1480.2	1437.4	1426.8	1357.4	1265.0	1218.8	1186.2
150°	1394.5	1403.2	1437.7	1472.4	1437.7	1403.2	1394.5	1335.9	1257.8	1218.8	1190.4
152.5°	1368.8	1375.4	1401.5	1427.6	1401.5	1375.4	1368.8	1318.8	1252.2	1218.8	1193.2
155°	1338.1	1342.4	1359.7	1377.1	1359.7	1342.4	1338.1	1298.4	1245.3	1218.8	1199.3
157.5°	1311.6	1314.6	1326.8	1338.9	1326.8	1314.6	1311.6	1280.7	1239.4	1218.8	1205.4
160°	1298.4	1300.2	1307.2	1314.1	1307.2	1300.2	1298.4	1271.9	1236.5	1218.8	1208.1
162.5°	1285.9	1287.6	1294.2	1300.9	1294.2	1287.6	1285.9	1263.5	1233.7	1218.8	1211.0
165°	1266.9	1268.7	1275.7	1282.6	1275.7	1268.7	1266.9	1250.9	1229.5	1218.8	1215.3
167.5°	1258.5	1259.2	1262.2	1265.2	1262.2	1259.2	1258.5	1248.1	1234.0	1227.1	1224.1
170°	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1248.1	1234.0	1227.1	1226.9
172.5°	1252.0	1251.4	1248.8	1246.2	1248.8	1251.4	1252.0	1243.7	1232.6	1227.1	1227.1
175°	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1237.5	1230.6	1227.1	1228.8
177.5°	1241.2	1240.5	1237.5	1234.5	1237.5	1240.5	1241.2	1237.0	1231.6	1228.8	1230.1
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1394.7	1401.4	1405.5	1410.7	1424.1
5°	1341.3	1366.7	1374.7	1394.7	1418.8
7.5°	1223.7	1301.2	1322.6	1370.7	1408.0
10°	1110.1	1187.6	1225.1	1338.6	1394.7
12.5°	1052.7	1098.2	1123.5	1282.5	1376.0
15°	1016.6	1048.7	1067.4	1207.6	1354.7
17.5°	988.6	1011.3	1024.7	1134.2	1325.3
20°	971.2	982.0	993.9	1080.8	1291.8
22.5°	959.2	952.6	961.8	1043.4	1246.4
25°	951.2	925.8	936.5	1014.0	1193.0
27.5°	957.9	901.8	905.8	987.2	1136.9
30°	959.2	872.4	873.7	959.2	1074.1
32.5°	949.9	841.6	843.0	924.5	1003.3
35°	927.2	805.6	804.3	884.3	907.1
37.5°	896.4	766.8	766.8	840.3	801.6
40°	859.0	728.1	732.1	782.9	708.1
42.5°	813.6	686.6	692.0	706.8	638.5
45°	764.1	646.6	650.6	597.2	585.2
47.5°	709.4	605.2	606.6	495.6	567.8
50°	643.9	562.4	557.1	424.8	566.4
52.5°	586.4	515.6	499.6	384.8	514.3
55°	530.4	466.2	431.5	354.0	476.9
57.5°	481.0	402.1	368.7	317.9	468.9
60°	435.6	339.3	313.9	279.2	430.2
62.5°	398.1	292.5	287.2	252.5	390.1
65°	358.1	260.6	259.2	229.8	331.3
67.5°	319.3	239.1	237.8	208.4	252.5
70°	277.9	216.4	213.7	185.7	187.0
72.5°	235.2	191.0	188.3	167.0	155.0
75°	192.3	161.7	160.4	145.6	125.6
77.5°	151.0	128.3	130.9	117.5	92.2
80°	108.2	93.5	96.2	84.2	69.4
82.5°	72.1	61.5	64.1	53.5	46.7
85°	40.0	34.8	36.1	28.1	21.4
87.5°	18.7	16.0	16.0	10.7	6.7
90°	36.5	23.2	21.5	14.9	8.3
92.5°	224.8	160.0	145.9	89.5	33.2
95°	553.2	311.5	285.8	182.7	79.6
97.5°	745.2	342.2	319.5	228.5	137.5
100°	815.0	367.9	347.3	264.7	182.3
102.5°	847.0	393.5	374.3	297.3	220.4
105°	870.8	431.7	415.3	350.2	285.1
107.5°	875.3	488.0	472.8	412.0	351.3
110°	868.6	519.5	505.8	450.9	396.0



TEST NUMBER: P935092

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	868.9	557.7	544.6	492.2	439.9
115°	876.9	614.8	602.8	554.5	506.3
117.5°	893.2	670.3	659.4	615.5	571.7
120°	906.5	702.6	692.3	651.1	609.9
122.5°	925.5	740.7	730.4	688.7	647.1
125°	951.2	789.6	780.2	742.2	704.3
127.5°	976.9	836.8	827.3	788.9	750.7
130°	995.6	868.3	858.0	816.7	775.5
132.5°	1010.8	894.0	883.7	842.4	801.2
135°	1027.5	923.9	914.5	876.9	839.3
137.5°	1052.3	961.9	952.7	915.4	878.3
140°	1067.4	987.6	979.1	944.8	910.5
142.5°	1080.2	1006.7	998.8	967.1	935.4
145°	1096.8	1035.7	1028.9	1001.2	973.6
147.5°	1121.1	1072.2	1065.4	1038.5	1011.6
150°	1133.7	1091.2	1085.1	1060.8	1036.5
152.5°	1142.0	1103.7	1099.1	1080.7	1062.2
155°	1160.2	1131.0	1127.6	1113.9	1100.3
157.5°	1178.5	1158.3	1155.1	1141.7	1128.5
160°	1186.8	1170.8	1168.2	1157.9	1147.6
162.5°	1195.6	1184.0	1182.2	1174.4	1166.6
165°	1208.3	1203.1	1201.3	1194.3	1187.3
167.5°	1218.2	1213.8	1213.0	1209.6	1206.4
170°	1226.6	1226.3	1225.5	1222.1	1218.8
172.5°	1227.1	1227.1	1226.9	1226.2	1225.5
175°	1232.1	1234.5	1234.5	1234.5	1234.5
177.5°	1232.6	1234.5	1234.5	1234.5	1234.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935092
 CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-2700K

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	9.31	10.03	10.42	11.13	12.64	12.15	12.87	13.25	13.97	15.48
	3H	9.78	10.42	10.89	11.53	13.06	13.49	14.13	14.60	15.24	16.77
	4H	9.96	10.57	11.08	11.68	13.22	13.93	14.54	15.05	15.64	17.18
	6H	10.08	10.63	11.20	11.75	13.29	14.21	14.77	15.34	15.88	17.42
	8H	10.07	10.60	11.20	11.73	13.27	14.28	14.81	15.41	15.94	17.48
	12H	10.04	10.54	11.17	11.66	13.23	14.31	14.82	15.45	15.94	17.50
4H	2H	10.33	10.94	11.46	12.05	13.58	12.54	13.15	13.67	14.26	15.79
	3H	11.34	11.85	12.48	12.99	14.53	14.04	14.54	15.17	15.68	17.23
	4H	11.61	12.08	12.75	13.20	14.77	14.56	15.03	15.70	16.15	17.72
	6H	11.73	12.13	12.87	13.28	14.84	14.92	15.32	16.06	16.46	18.02
	8H	11.73	12.11	12.88	13.24	14.82	15.02	15.40	16.17	16.53	18.11
	12H	11.69	12.03	12.85	13.18	14.76	15.07	15.41	16.23	16.56	18.14
8H	4H	12.06	12.43	13.20	13.57	15.14	14.67	15.05	15.82	16.18	17.76
	6H	12.31	12.62	13.48	13.80	15.37	15.10	15.41	16.27	16.59	18.17
	8H	12.35	12.62	13.52	13.78	15.37	15.26	15.53	16.43	16.68	18.28
	12H	12.33	12.57	13.50	13.72	15.35	15.35	15.59	16.52	16.74	18.37
12H	4H	12.06	12.39	13.22	13.54	15.13	14.63	14.97	15.79	16.12	17.70
	6H	12.37	12.64	13.54	13.80	15.39	15.10	15.37	16.27	16.53	18.12
	8H	12.43	12.67	13.61	13.82	15.45	15.26	15.49	16.43	16.65	18.28