

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: P935587

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935587
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

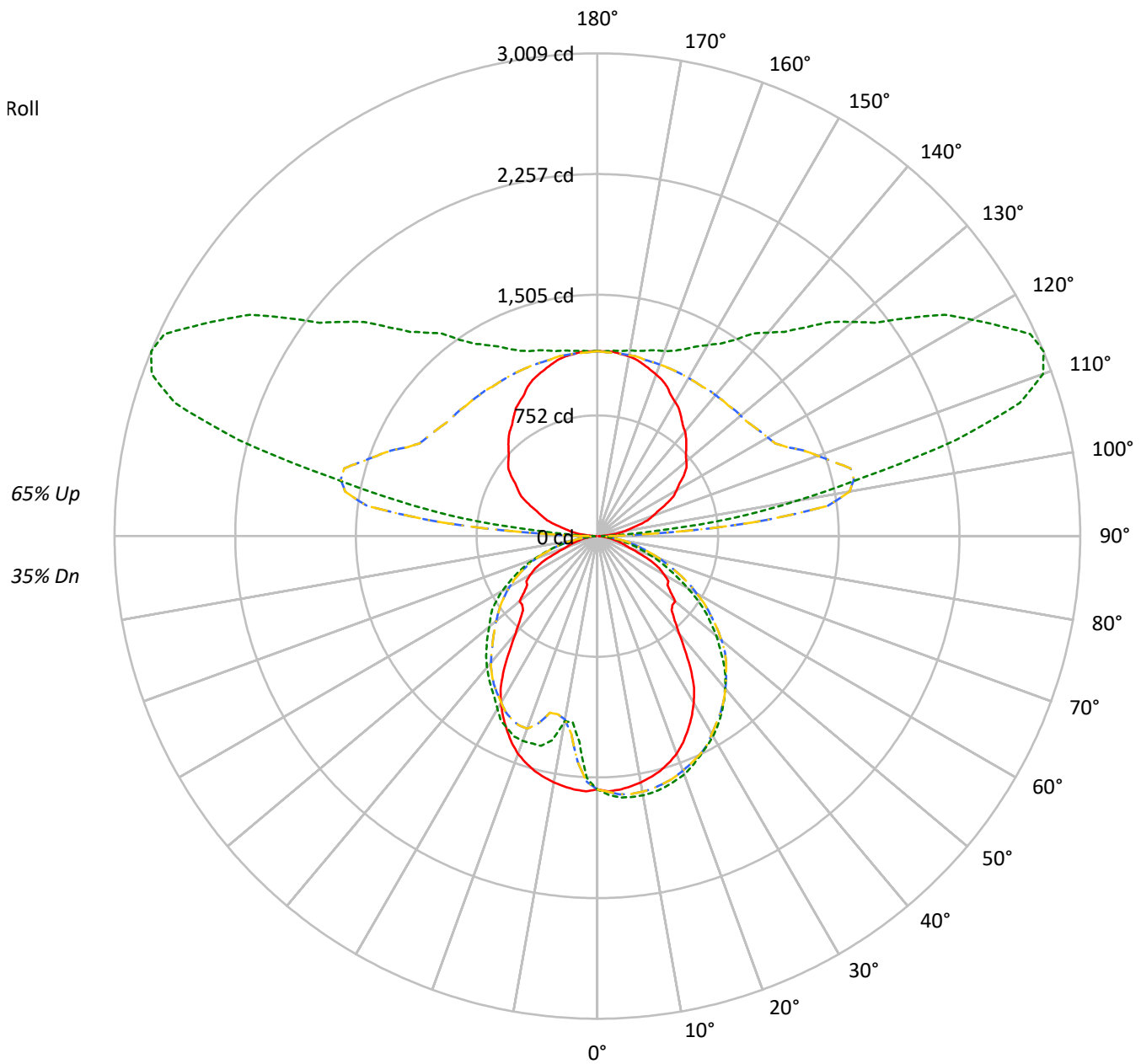
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11570.4 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 83.4
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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9769	9769	9769	9769
5°	9838	9861	9838	7754
10°	9769	9714	9769	6945
15°	9659	9503	9659	7936
20°	9453	9254	9453	7952
25°	9036	8890	9036	7784
30°	8499	8588	8499	7414
35°	7572	8207	7572	7007
40°	6306	7757	6306	6700
45°	5631	7231	5631	6347
50°	5978	6603	5978	5992
55°	5619	5927	5619	5787
60°	5785	5034	5785	5301
65°	5236	4161	5236	4652
70°	3618	3317	3618	3899
75°	3159	2452	3159	2936
80°	2529	1621	2529	1765
85°	1425	859	1425	730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8636 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.5	1.2
10°-20°	404.7	3.5
20°-30°	625.6	5.4
30°-40°	746.9	6.5
40°-50°	751.3	6.5
50°-60°	653.7	5.6
60°-70°	463.5	4.0
70°-80°	245.2	2.1
80°-90°	65.5	0.6
90°-100°	561.8	4.9
100°-110°	1477.0	12.8
110°-120°	1531.5	13.2
120°-130°	1228.5	10.6
130°-140°	963.9	8.3
140°-150°	739.8	6.4
150°-160°	532.8	4.6
160°-170°	326.0	2.8
170°-180°	110.1	1.0
0°-30°	1172.9	10.1
0°-40°	1919.8	16.6
0°-60°	3324.7	28.7
0°-90°	4098.9	35.4
90°-120°	3570.4	30.9
90°-150°	6502.6	56.2
90°-180°	7472.0	64.6
0°-180°	11570.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1579	1579	1579	1579	1579	
5°	1587	1636	1587	1286	1587	151
15°	1515	1621	1515	1354	1515	426
25°	1334	1512	1334	1324	1334	613
35°	1014	1349	1014	1152	1014	628
45°	654	1112	654	976	654	524
55°	533	820	533	801	533	490
65°	370	494	370	553	370	354
75°	140	235	140	281	140	148
85°	24	60	24	51	24	32
90°	8	29	8	29	8	7
95°	74	340	74	340	74	82
105°	266	2313	266	2313	266	282
115°	473	2978	473	2978	473	467
125°	658	2372	658	2372	658	584
135°	784	1840	784	1840	784	606
145°	909	1493	909	1493	909	569
155°	1027	1286	1027	1286	1027	472
165°	1108	1197	1108	1197	1108	313
175°	1153	1160	1153	1160	1153	109
180°	1153	1153	1153	1153	1153	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2
2.5°	1592.6	1592.6	1601.6	1604.6	1604.6	1600.1	1595.6	1600.1	1613.5	1618.0	1616.5
5°	1586.6	1598.6	1615.0	1618.0	1621.0	1619.5	1616.5	1619.5	1634.4	1637.4	1638.9
7.5°	1574.7	1597.1	1618.0	1622.5	1627.0	1622.5	1621.0	1624.0	1638.9	1641.9	1641.9
10°	1559.7	1591.1	1615.0	1618.0	1622.5	1618.0	1618.0	1624.0	1638.9	1641.9	1643.4
12.5°	1538.8	1582.1	1604.6	1607.5	1613.5	1612.0	1610.5	1616.5	1631.4	1634.4	1634.4
15°	1514.9	1565.7	1586.6	1589.6	1600.1	1597.1	1597.1	1603.1	1619.5	1624.0	1622.5
17.5°	1482.0	1544.8	1568.7	1573.2	1580.7	1579.2	1580.7	1586.6	1601.6	1604.6	1606.0
20°	1444.7	1516.4	1544.8	1549.3	1556.7	1556.7	1556.7	1564.2	1579.2	1585.1	1585.1
22.5°	1393.9	1486.5	1516.4	1519.4	1528.4	1528.4	1531.4	1541.8	1555.3	1556.7	1556.7
25°	1334.1	1453.7	1479.1	1488.0	1497.0	1501.5	1506.0	1511.9	1516.4	1514.9	1516.4
27.5°	1271.4	1411.8	1444.7	1450.7	1462.6	1467.1	1473.1	1474.6	1476.1	1480.6	1477.6
30°	1201.2	1353.6	1402.9	1408.8	1428.3	1431.3	1425.3	1428.3	1435.7	1438.7	1441.7
32.5°	1122.0	1266.9	1359.5	1373.0	1390.9	1382.0	1380.5	1384.9	1396.9	1396.9	1399.9
35°	1014.4	1199.7	1319.2	1331.2	1344.6	1334.1	1340.1	1341.6	1349.1	1353.6	1352.1
37.5°	896.4	1141.4	1277.4	1286.3	1296.8	1283.3	1292.3	1296.8	1302.8	1299.8	1299.8
40°	791.8	1050.3	1228.1	1234.0	1243.0	1232.6	1241.5	1244.5	1247.5	1244.5	1243.0
42.5°	714.1	950.2	1175.8	1183.2	1177.3	1184.7	1187.7	1193.7	1189.2	1183.2	1183.2
45°	654.4	923.3	1119.0	1128.0	1119.0	1131.0	1135.4	1135.4	1122.0	1119.0	1117.5
47.5°	635.0	869.5	1062.2	1062.2	1057.8	1072.7	1080.2	1069.7	1056.3	1051.8	1051.8
50°	633.5	809.7	984.5	978.6	999.5	1017.4	1009.9	999.5	989.0	972.6	972.6
52.5°	575.2	736.5	884.4	906.9	939.7	950.2	938.2	927.8	909.8	902.4	896.4
55°	533.4	660.3	793.3	838.1	872.5	885.9	863.5	853.1	826.2	821.7	818.7
57.5°	524.4	549.8	709.6	766.4	808.3	806.8	793.3	773.9	751.5	747.0	745.5
60°	481.1	397.4	620.0	687.2	730.6	726.1	714.1	696.2	675.3	672.3	669.3
62.5°	436.2	288.3	518.4	594.6	655.9	654.4	643.9	617.0	602.1	594.6	588.6
65°	370.5	242.0	369.0	494.5	582.7	585.6	563.2	543.8	527.4	518.4	516.9
67.5°	282.4	197.2	249.5	412.3	512.4	509.5	481.1	472.1	451.2	446.7	437.7
70°	209.2	131.5	173.3	334.7	443.7	436.2	413.8	403.4	384.0	373.5	367.5
72.5°	173.3	106.1	127.0	260.0	373.5	364.5	345.1	333.2	316.7	307.8	301.8
75°	140.4	112.0	97.1	192.7	303.3	297.3	279.4	267.4	254.0	242.0	243.5
77.5°	103.1	104.6	77.7	141.9	240.5	231.6	221.1	206.2	200.2	188.2	188.2
80°	77.7	82.2	58.3	97.1	173.3	173.3	164.3	153.9	143.4	137.4	137.4
82.5°	52.3	52.3	43.3	61.3	118.0	113.5	107.6	104.6	98.6	95.6	95.6
85°	23.9	29.9	26.9	37.4	64.2	67.2	67.2	64.2	62.7	59.8	61.3
87.5°	7.5	13.4	16.4	20.9	32.9	34.4	35.9	35.9	35.9	37.4	37.4
90°	7.8	13.9	20.1	21.6	34.0	50.5	58.8	52.2	39.1	29.4	29.4
92.5°	31.0	83.6	136.2	149.3	209.9	290.6	331.1	290.1	208.4	147.0	141.1
95°	74.3	170.5	266.7	290.8	516.4	817.3	967.7	863.5	655.2	498.9	481.2
97.5°	128.4	213.2	298.2	319.4	695.6	1197.3	1448.1	1382.2	1250.6	1151.8	1118.1
100°	170.2	247.2	324.2	343.4	760.8	1317.5	1595.8	1600.6	1610.2	1617.4	1577.3
102.5°	205.8	277.6	349.5	367.4	790.8	1355.3	1637.5	1721.4	1889.2	2015.0	1980.6
105°	266.1	327.0	387.7	403.0	812.9	1359.6	1632.9	1821.0	2197.1	2479.1	2460.6
107.5°	328.0	384.7	441.4	455.6	817.1	1299.1	1540.1	1802.5	2327.1	2720.5	2725.0
110°	369.7	420.9	472.1	485.0	810.8	1245.4	1462.7	1755.9	2342.5	2782.4	2801.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	410.8	459.6	508.4	520.6	811.1	1198.6	1392.3	1692.4	2292.7	2742.9	2772.5
115°	472.6	517.6	562.7	574.0	818.7	1144.9	1308.0	1597.2	2175.5	2609.1	2650.2
117.5°	533.8	574.7	615.5	625.8	833.9	1111.2	1250.0	1510.9	2032.8	2424.3	2469.7
120°	569.3	607.9	646.3	656.0	846.2	1099.9	1226.8	1465.2	1942.0	2299.7	2343.9
122.5°	604.2	643.0	681.9	691.5	864.0	1094.0	1209.0	1423.8	1853.2	2175.2	2218.7
125°	657.5	692.9	728.3	737.1	888.0	1089.1	1189.7	1372.1	1736.8	2010.4	2050.6
127.5°	700.8	736.5	772.3	781.3	912.0	1086.3	1173.5	1330.1	1643.3	1878.2	1912.0
130°	724.0	762.5	801.0	810.6	929.5	1087.9	1167.2	1306.7	1585.4	1794.6	1825.9
132.5°	748.0	786.5	825.0	834.6	943.7	1089.1	1161.8	1286.6	1536.2	1723.4	1751.4
135°	783.6	818.6	853.7	862.4	959.1	1088.1	1152.6	1257.1	1466.1	1622.9	1647.0
137.5°	819.9	854.7	889.4	898.1	982.4	1094.8	1151.0	1239.3	1416.0	1548.6	1568.3
140°	850.1	882.1	914.0	922.0	996.5	1095.9	1145.6	1221.9	1374.6	1489.0	1507.5
142.5°	873.3	902.9	932.5	939.8	1008.4	1099.9	1145.6	1212.6	1346.7	1447.3	1463.2
145°	908.8	934.6	960.4	966.9	1023.9	1099.9	1137.8	1192.7	1302.4	1384.6	1396.7
147.5°	944.5	969.6	994.7	1001.0	1046.6	1107.5	1137.8	1181.0	1267.3	1332.1	1342.0
150°	967.7	990.4	1013.0	1018.7	1058.4	1111.3	1137.8	1174.3	1247.2	1301.9	1309.9
152.5°	991.6	1008.8	1026.1	1030.4	1066.2	1113.9	1137.8	1168.9	1231.2	1277.9	1283.9
155°	1027.3	1040.0	1052.7	1055.9	1083.2	1119.6	1137.8	1162.6	1212.1	1249.3	1253.4
157.5°	1053.6	1065.9	1078.3	1081.4	1100.2	1125.3	1137.8	1157.1	1195.6	1224.5	1227.3
160°	1071.3	1081.0	1090.6	1093.0	1108.0	1127.9	1137.8	1154.4	1187.3	1212.1	1213.7
162.5°	1089.1	1096.3	1103.6	1105.4	1116.2	1130.7	1137.8	1151.8	1179.6	1200.5	1202.1
165°	1108.4	1115.0	1121.6	1123.2	1128.1	1134.5	1137.8	1147.8	1167.8	1182.8	1184.3
167.5°	1126.3	1129.4	1132.5	1133.2	1137.3	1142.8	1145.6	1152.2	1165.2	1175.0	1175.7
170°	1137.8	1140.9	1144.0	1144.8	1145.1	1145.4	1145.6	1152.2	1165.2	1175.0	1175.0
172.5°	1144.0	1144.7	1145.4	1145.6	1145.6	1145.6	1145.6	1150.8	1161.0	1168.8	1168.2
175°	1152.6	1152.6	1152.6	1152.6	1150.3	1147.2	1145.6	1148.9	1155.5	1160.3	1160.3
177.5°	1152.6	1152.6	1152.6	1152.6	1150.8	1148.3	1147.1	1149.7	1154.9	1158.7	1158.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2
2.5°	1619.5	1615.0	1619.5	1616.5	1618.0	1613.5	1600.1	1595.6	1600.1	1604.6	1604.6
5°	1638.9	1635.9	1638.9	1638.9	1637.4	1634.4	1619.5	1616.5	1619.5	1621.0	1618.0
7.5°	1644.9	1640.4	1644.9	1641.9	1641.9	1638.9	1624.0	1621.0	1622.5	1627.0	1622.5
10°	1644.9	1640.4	1644.9	1643.4	1641.9	1638.9	1624.0	1618.0	1618.0	1622.5	1618.0
12.5°	1637.4	1634.4	1637.4	1634.4	1634.4	1631.4	1616.5	1610.5	1612.0	1613.5	1607.5
15°	1625.5	1621.0	1625.5	1622.5	1624.0	1619.5	1603.1	1597.1	1597.1	1600.1	1589.6
17.5°	1607.5	1601.6	1607.5	1606.0	1604.6	1601.6	1586.6	1580.7	1579.2	1580.7	1573.2
20°	1586.6	1582.1	1586.6	1585.1	1585.1	1579.2	1564.2	1556.7	1556.7	1556.7	1549.3
22.5°	1553.8	1549.3	1553.8	1556.7	1556.7	1555.3	1541.8	1531.4	1528.4	1528.4	1519.4
25°	1516.4	1511.9	1516.4	1516.4	1514.9	1516.4	1511.9	1506.0	1501.5	1497.0	1488.0
27.5°	1480.6	1477.6	1480.6	1477.6	1480.6	1476.1	1474.6	1473.1	1467.1	1462.6	1450.7
30°	1444.7	1441.7	1444.7	1441.7	1438.7	1435.7	1428.3	1425.3	1431.3	1428.3	1408.8
32.5°	1399.9	1396.9	1399.9	1399.9	1396.9	1396.9	1384.9	1380.5	1382.0	1390.9	1373.0
35°	1353.6	1349.1	1353.6	1352.1	1353.6	1349.1	1341.6	1340.1	1334.1	1344.6	1331.2
37.5°	1299.8	1295.3	1299.8	1299.8	1299.8	1302.8	1296.8	1292.3	1283.3	1296.8	1286.3
40°	1244.5	1238.5	1244.5	1243.0	1244.5	1247.5	1244.5	1241.5	1232.6	1243.0	1234.0
42.5°	1181.8	1180.3	1181.8	1183.2	1183.2	1189.2	1193.7	1187.7	1184.7	1177.3	1183.2
45°	1114.5	1111.5	1114.5	1117.5	1119.0	1122.0	1135.4	1135.4	1131.0	1119.0	1128.0
47.5°	1042.8	1035.3	1042.8	1051.8	1051.8	1056.3	1069.7	1080.2	1072.7	1057.8	1062.2
50°	966.6	968.1	966.6	972.6	972.6	989.0	999.5	1009.9	1017.4	999.5	978.6
52.5°	891.9	890.4	891.9	896.4	902.4	909.8	927.8	938.2	950.2	939.7	906.9
55°	817.2	820.2	817.2	818.7	821.7	826.2	853.1	863.5	885.9	872.5	838.1
57.5°	742.5	738.0	742.5	745.5	747.0	751.5	773.9	793.3	806.8	808.3	766.4
60°	655.9	649.9	655.9	669.3	672.3	675.3	696.2	714.1	726.1	730.6	687.2
62.5°	579.7	569.2	579.7	588.6	594.6	602.1	617.0	643.9	654.4	655.9	594.6
65°	499.0	494.5	499.0	516.9	518.4	527.4	543.8	563.2	585.6	582.7	494.5
67.5°	425.8	425.8	425.8	437.7	446.7	451.2	472.1	481.1	509.5	512.4	412.3
70°	358.6	357.1	358.6	367.5	373.5	384.0	403.4	413.8	436.2	443.7	334.7
72.5°	294.3	292.8	294.3	301.8	307.8	316.7	333.2	345.1	364.5	373.5	260.0
75°	237.5	234.6	237.5	243.5	242.0	254.0	267.4	279.4	297.3	303.3	192.7
77.5°	182.3	182.3	182.3	188.2	188.2	200.2	206.2	221.1	231.6	240.5	141.9
80°	136.0	134.5	136.0	137.4	137.4	143.4	153.9	164.3	173.3	173.3	97.1
82.5°	95.6	92.6	95.6	95.6	95.6	98.6	104.6	107.6	113.5	118.0	61.3
85°	59.8	59.8	59.8	61.3	59.8	62.7	64.2	67.2	67.2	64.2	37.4
87.5°	38.8	37.4	38.8	37.4	37.4	35.9	35.9	35.9	34.4	32.9	20.9
90°	29.4	29.4	29.4	29.4	29.4	39.1	52.2	58.8	50.5	34.0	21.6
92.5°	117.7	94.3	117.7	141.1	147.0	208.4	290.1	331.1	290.6	209.9	149.3
95°	410.4	339.5	410.4	481.2	498.9	655.2	863.5	967.7	817.3	516.4	290.8
97.5°	983.4	848.6	983.4	1118.1	1151.8	1250.6	1382.2	1448.1	1197.3	695.6	319.4
100°	1416.8	1256.3	1416.8	1577.3	1617.4	1610.2	1600.6	1595.8	1317.5	760.8	343.4
102.5°	1843.1	1705.6	1843.1	1980.6	2015.0	1889.2	1721.4	1637.5	1355.3	790.8	367.4
105°	2386.7	2312.8	2386.7	2460.6	2479.1	2197.1	1821.0	1632.9	1359.6	812.9	403.0
107.5°	2742.8	2760.7	2742.8	2725.0	2720.5	2327.1	1802.5	1540.1	1299.1	817.1	455.6
110°	2878.6	2955.6	2878.6	2801.6	2782.4	2342.5	1755.9	1462.7	1245.4	810.8	485.0



TEST NUMBER: P935587

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2890.7	3009.0	2890.7	2772.5	2742.9	2292.7	1692.4	1392.3	1198.6	811.1	520.6
115°	2814.1	2978.0	2814.1	2650.2	2609.1	2175.5	1597.2	1308.0	1144.9	818.7	574.0
117.5°	2651.6	2833.4	2651.6	2469.7	2424.3	2032.8	1510.9	1250.0	1111.2	833.9	625.8
120°	2520.6	2697.3	2520.6	2343.9	2299.7	1942.0	1465.2	1226.8	1099.9	846.2	656.0
122.5°	2393.0	2567.3	2393.0	2218.7	2175.2	1853.2	1423.8	1209.0	1094.0	864.0	691.5
125°	2211.1	2371.7	2211.1	2050.6	2010.4	1736.8	1372.1	1189.7	1089.1	888.0	737.1
127.5°	2047.5	2182.9	2047.5	1912.0	1878.2	1643.3	1330.1	1173.5	1086.3	912.0	781.3
130°	1951.1	2076.2	1951.1	1825.9	1794.6	1585.4	1306.7	1167.2	1087.9	929.5	810.6
132.5°	1863.5	1975.6	1863.5	1751.4	1723.4	1536.2	1286.6	1161.8	1089.1	943.7	834.6
135°	1743.6	1840.2	1743.6	1647.0	1622.9	1466.1	1257.1	1152.6	1088.1	959.1	862.4
137.5°	1647.4	1726.5	1647.4	1568.3	1548.6	1416.0	1239.3	1151.0	1094.8	982.4	898.1
140°	1581.4	1655.4	1581.4	1507.5	1489.0	1374.6	1221.9	1145.6	1095.9	996.5	922.0
142.5°	1526.8	1590.4	1526.8	1463.2	1447.3	1346.7	1212.6	1145.6	1099.9	1008.4	939.8
145°	1444.8	1492.9	1444.8	1396.7	1384.6	1302.4	1192.7	1137.8	1099.9	1023.9	966.9
147.5°	1382.0	1421.8	1382.0	1342.0	1332.1	1267.3	1181.0	1137.8	1107.5	1046.6	1001.0
150°	1342.3	1374.6	1342.3	1309.9	1301.9	1247.2	1174.3	1137.8	1111.3	1058.4	1018.7
152.5°	1308.3	1332.7	1308.3	1283.9	1277.9	1231.2	1168.9	1137.8	1113.9	1066.2	1030.4
155°	1269.5	1285.6	1269.5	1253.4	1249.3	1212.1	1162.6	1137.8	1119.6	1083.2	1055.9
157.5°	1238.6	1250.0	1238.6	1227.3	1224.5	1195.6	1157.1	1137.8	1125.3	1100.2	1081.4
160°	1220.3	1226.8	1220.3	1213.7	1212.1	1187.3	1154.4	1137.8	1127.9	1108.0	1093.0
162.5°	1208.2	1214.4	1208.2	1202.1	1200.5	1179.6	1151.8	1137.8	1130.7	1116.2	1105.4
165°	1190.9	1197.4	1190.9	1184.3	1182.8	1167.8	1147.8	1137.8	1134.5	1128.1	1123.2
167.5°	1178.4	1181.2	1178.4	1175.7	1175.0	1165.2	1152.2	1145.6	1142.8	1137.3	1133.2
170°	1175.0	1175.0	1175.0	1175.0	1175.0	1165.2	1152.2	1145.6	1145.4	1145.1	1144.8
172.5°	1165.8	1163.4	1165.8	1168.2	1168.8	1161.0	1150.8	1145.6	1145.6	1145.6	1145.6
175°	1160.3	1160.3	1160.3	1160.3	1160.3	1155.5	1148.9	1145.6	1147.2	1150.3	1152.6
177.5°	1155.4	1152.6	1155.4	1158.0	1158.7	1154.9	1149.7	1147.1	1148.3	1150.8	1152.6
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P935587

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2
2.5°	1601.6	1592.6	1592.6	1577.7	1571.7	1567.2	1559.7	1537.3	1531.4	1525.4	1534.3
5°	1615.0	1598.6	1586.6	1559.7	1537.3	1528.4	1500.0	1446.2	1410.3	1383.4	1368.5
7.5°	1618.0	1597.1	1574.7	1532.8	1479.1	1455.2	1368.5	1269.9	1243.0	1219.1	1204.2
10°	1615.0	1591.1	1559.7	1497.0	1370.0	1328.2	1241.5	1177.3	1160.8	1156.4	1160.8
12.5°	1604.6	1582.1	1538.8	1434.2	1256.5	1228.1	1177.3	1139.9	1136.9	1144.4	1184.7
15°	1586.6	1565.7	1514.9	1350.6	1193.7	1172.8	1136.9	1123.5	1139.9	1192.2	1313.2
17.5°	1568.7	1544.8	1482.0	1268.4	1145.9	1131.0	1105.6	1132.5	1225.1	1295.3	1335.6
20°	1544.8	1516.4	1444.7	1208.6	1111.5	1098.1	1086.1	1207.2	1277.4	1302.8	1325.2
22.5°	1516.4	1486.5	1393.9	1166.8	1075.7	1065.2	1072.7	1249.0	1277.4	1295.3	1314.7
25°	1479.1	1453.7	1334.1	1133.9	1047.3	1035.3	1063.7	1244.5	1260.9	1265.4	1304.3
27.5°	1444.7	1411.8	1271.4	1104.1	1012.9	1008.4	1071.2	1225.1	1237.0	1241.5	1283.3
30°	1402.9	1353.6	1201.2	1072.7	977.1	975.6	1072.7	1201.2	1198.2	1210.1	1252.0
32.5°	1359.5	1266.9	1122.0	1033.8	942.7	941.2	1062.2	1165.3	1162.3	1178.8	1210.1
35°	1319.2	1199.7	1014.4	989.0	899.4	900.9	1036.8	1123.5	1125.0	1139.9	1159.3
37.5°	1277.4	1141.4	896.4	939.7	857.6	857.6	1002.5	1084.6	1081.7	1086.1	1113.0
40°	1228.1	1050.3	791.8	875.5	818.7	814.2	960.6	1042.8	1032.4	1030.9	1068.2
42.5°	1175.8	950.2	714.1	790.3	773.9	767.9	909.8	992.0	972.6	977.1	1024.9
45°	1119.0	923.3	654.4	667.8	727.6	723.1	854.6	933.8	920.3	932.3	981.6
47.5°	1062.2	869.5	635.0	554.3	678.3	676.8	793.3	877.0	869.5	881.5	933.8
50°	984.5	809.7	633.5	475.1	623.0	629.0	720.1	821.7	821.7	832.2	887.4
52.5°	884.4	736.5	575.2	430.3	558.8	576.7	655.9	773.9	776.9	787.3	836.6
55°	793.3	660.3	533.4	395.9	482.6	521.4	593.1	724.6	730.6	741.0	785.8
57.5°	709.6	549.8	524.4	355.6	412.3	449.7	537.8	676.8	679.8	688.7	732.1
60°	620.0	397.4	481.1	312.2	351.1	379.5	487.0	620.0	630.5	636.4	673.8
62.5°	518.4	288.3	436.2	282.4	321.2	327.2	445.2	566.2	579.7	584.2	606.6
65°	369.0	242.0	370.5	257.0	289.8	291.3	400.4	510.9	522.9	530.4	546.8
67.5°	249.5	197.2	282.4	233.1	265.9	267.4	357.1	446.7	463.1	469.1	479.6
70°	173.3	131.5	209.2	207.7	239.0	242.0	310.8	388.4	403.4	407.9	413.8
72.5°	127.0	106.1	173.3	186.8	210.7	213.6	262.9	322.7	337.6	342.1	345.1
75°	97.1	112.0	140.4	162.8	179.3	180.8	215.1	262.9	273.4	276.4	277.9
77.5°	77.7	104.6	103.1	131.5	146.4	143.4	168.8	203.2	212.1	212.1	212.1
80°	58.3	82.2	77.7	94.1	107.6	104.6	121.0	144.9	147.9	150.9	149.4
82.5°	43.3	52.3	52.3	59.8	71.7	68.7	80.7	94.1	94.1	94.1	97.1
85°	26.9	29.9	23.9	31.4	40.3	38.8	44.8	50.8	52.3	52.3	49.3
87.5°	16.4	13.4	7.5	12.0	17.9	17.9	20.9	22.4	20.9	20.9	20.9
90°	20.1	13.9	7.8	13.9	20.1	21.6	34.0	50.5	58.8	52.2	39.1
92.5°	136.2	83.6	31.0	83.6	136.2	149.3	209.9	290.6	331.1	290.1	208.4
95°	266.7	170.5	74.3	170.5	266.7	290.8	516.4	817.3	967.7	863.5	655.2
97.5°	298.2	213.2	128.4	213.2	298.2	319.4	695.6	1197.3	1448.1	1382.2	1250.6
100°	324.2	247.2	170.2	247.2	324.2	343.4	760.8	1317.5	1595.8	1600.6	1610.2
102.5°	349.5	277.6	205.8	277.6	349.5	367.4	790.8	1355.3	1637.5	1721.4	1889.2
105°	387.7	327.0	266.1	327.0	387.7	403.0	812.9	1359.6	1632.9	1821.0	2197.1
107.5°	441.4	384.7	328.0	384.7	441.4	455.6	817.1	1299.1	1540.1	1802.5	2327.1
110°	472.1	420.9	369.7	420.9	472.1	485.0	810.8	1245.4	1462.7	1755.9	2342.5



TEST NUMBER: P935587

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	508.4	459.6	410.8	459.6	508.4	520.6	811.1	1198.6	1392.3	1692.4	2292.7
115°	562.7	517.6	472.6	517.6	562.7	574.0	818.7	1144.9	1308.0	1597.2	2175.5
117.5°	615.5	574.7	533.8	574.7	615.5	625.8	833.9	1111.2	1250.0	1510.9	2032.8
120°	646.3	607.9	569.3	607.9	646.3	656.0	846.2	1099.9	1226.8	1465.2	1942.0
122.5°	681.9	643.0	604.2	643.0	681.9	691.5	864.0	1094.0	1209.0	1423.8	1853.2
125°	728.3	692.9	657.5	692.9	728.3	737.1	888.0	1089.1	1189.7	1372.1	1736.8
127.5°	772.3	736.5	700.8	736.5	772.3	781.3	912.0	1086.3	1173.5	1330.1	1643.3
130°	801.0	762.5	724.0	762.5	801.0	810.6	929.5	1087.9	1167.2	1306.7	1585.4
132.5°	825.0	786.5	748.0	786.5	825.0	834.6	943.7	1089.1	1161.8	1286.6	1536.2
135°	853.7	818.6	783.6	818.6	853.7	862.4	959.1	1088.1	1152.6	1257.1	1466.1
137.5°	889.4	854.7	819.9	854.7	889.4	898.1	982.4	1094.8	1151.0	1239.3	1416.0
140°	914.0	882.1	850.1	882.1	914.0	922.0	996.5	1095.9	1145.6	1221.9	1374.6
142.5°	932.5	902.9	873.3	902.9	932.5	939.8	1008.4	1099.9	1145.6	1212.6	1346.7
145°	960.4	934.6	908.8	934.6	960.4	966.9	1023.9	1099.9	1137.8	1192.7	1302.4
147.5°	994.7	969.6	944.5	969.6	994.7	1001.0	1046.6	1107.5	1137.8	1181.0	1267.3
150°	1013.0	990.4	967.7	990.4	1013.0	1018.7	1058.4	1111.3	1137.8	1174.3	1247.2
152.5°	1026.1	1008.8	991.6	1008.8	1026.1	1030.4	1066.2	1113.9	1137.8	1168.9	1231.2
155°	1052.7	1040.0	1027.3	1040.0	1052.7	1055.9	1083.2	1119.6	1137.8	1162.6	1212.1
157.5°	1078.3	1065.9	1053.6	1065.9	1078.3	1081.4	1100.2	1125.3	1137.8	1157.1	1195.6
160°	1090.6	1081.0	1071.3	1081.0	1090.6	1093.0	1108.0	1127.9	1137.8	1154.4	1187.3
162.5°	1103.6	1096.3	1089.1	1096.3	1103.6	1105.4	1116.2	1130.7	1137.8	1151.8	1179.6
165°	1121.6	1115.0	1108.4	1115.0	1121.6	1123.2	1128.1	1134.5	1137.8	1147.8	1167.8
167.5°	1132.5	1129.4	1126.3	1129.4	1132.5	1133.2	1137.3	1142.8	1145.6	1152.2	1165.2
170°	1144.0	1140.9	1137.8	1140.9	1144.0	1144.8	1145.1	1145.4	1145.6	1152.2	1165.2
172.5°	1145.4	1144.7	1144.0	1144.7	1145.4	1145.6	1145.6	1145.6	1145.6	1150.8	1161.0
175°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1150.3	1147.2	1145.6	1148.9	1155.5
177.5°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1150.8	1148.3	1147.1	1149.7	1154.9
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P935587

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2
2.5°	1523.9	1519.4	1525.4	1508.9	1525.4	1519.4	1523.9	1534.3	1525.4	1531.4	1537.3
5°	1337.1	1329.7	1305.8	1286.3	1305.8	1329.7	1337.1	1368.5	1383.4	1410.3	1446.2
7.5°	1195.2	1189.2	1183.2	1171.3	1183.2	1189.2	1195.2	1204.2	1219.1	1243.0	1269.9
10°	1163.8	1165.3	1174.3	1172.8	1174.3	1165.3	1163.8	1160.8	1156.4	1160.8	1177.3
12.5°	1244.5	1257.9	1307.2	1304.3	1307.2	1257.9	1244.5	1184.7	1144.4	1136.9	1139.9
15°	1337.1	1341.6	1352.1	1353.6	1352.1	1341.6	1337.1	1313.2	1192.2	1139.9	1123.5
17.5°	1346.1	1347.6	1355.1	1355.1	1355.1	1347.6	1346.1	1335.6	1295.3	1225.1	1132.5
20°	1338.6	1341.6	1356.6	1359.5	1356.6	1341.6	1338.6	1325.2	1302.8	1277.4	1207.2
22.5°	1335.6	1341.6	1353.6	1352.1	1353.6	1341.6	1335.6	1314.7	1295.3	1277.4	1249.0
25°	1320.7	1320.7	1322.2	1323.7	1322.2	1320.7	1320.7	1304.3	1265.4	1260.9	1244.5
27.5°	1289.3	1292.3	1301.3	1299.8	1301.3	1292.3	1289.3	1283.3	1241.5	1237.0	1225.1
30°	1260.9	1257.9	1250.5	1244.5	1250.5	1257.9	1260.9	1252.0	1210.1	1198.2	1201.2
32.5°	1213.1	1205.7	1198.2	1193.7	1198.2	1205.7	1213.1	1210.1	1178.8	1162.3	1165.3
35°	1156.4	1157.8	1156.4	1151.9	1156.4	1157.8	1156.4	1159.3	1139.9	1125.0	1123.5
37.5°	1116.0	1119.0	1117.5	1111.5	1117.5	1119.0	1116.0	1113.0	1086.1	1081.7	1084.6
40°	1074.2	1075.7	1074.2	1069.7	1074.2	1075.7	1074.2	1068.2	1030.9	1032.4	1042.8
42.5°	1033.8	1032.4	1027.9	1024.9	1027.9	1032.4	1033.8	1024.9	977.1	972.6	992.0
45°	987.5	989.0	980.1	975.6	980.1	989.0	987.5	981.6	932.3	920.3	933.8
47.5°	941.2	941.2	933.8	929.3	933.8	941.2	941.2	933.8	881.5	869.5	877.0
50°	891.9	890.4	880.0	878.5	880.0	890.4	891.9	887.4	832.2	821.7	821.7
52.5°	835.1	835.1	836.6	839.6	836.6	835.1	835.1	836.6	787.3	776.9	773.9
55°	785.8	787.3	797.8	800.8	797.8	787.3	785.8	785.8	741.0	730.6	724.6
57.5°	735.0	735.0	742.5	742.5	742.5	735.0	735.0	732.1	688.7	679.8	676.8
60°	676.8	679.8	685.7	684.3	685.7	679.8	676.8	673.8	636.4	630.5	620.0
62.5°	615.5	618.5	620.0	617.0	620.0	618.5	615.5	606.6	584.2	579.7	566.2
65°	551.3	554.3	555.8	552.8	555.8	554.3	551.3	546.8	530.4	522.9	510.9
67.5°	485.6	484.1	482.6	488.5	482.6	484.1	485.6	479.6	469.1	463.1	446.7
70°	418.3	418.3	416.8	419.8	416.8	418.3	418.3	413.8	407.9	403.4	388.4
72.5°	346.6	345.1	351.1	346.6	351.1	345.1	346.6	345.1	342.1	337.6	322.7
75°	276.4	279.4	276.4	280.9	276.4	279.4	276.4	277.9	276.4	273.4	262.9
77.5°	210.7	213.6	210.7	210.7	210.7	213.6	210.7	212.1	212.1	212.1	203.2
80°	149.4	147.9	147.9	146.4	147.9	147.9	149.4	149.4	150.9	147.9	144.9
82.5°	95.6	94.1	94.1	97.1	94.1	94.1	95.6	97.1	94.1	94.1	94.1
85°	52.3	53.8	50.8	50.8	50.8	53.8	52.3	49.3	52.3	52.3	50.8
87.5°	19.4	17.9	17.9	17.9	17.9	17.9	19.4	20.9	20.9	20.9	22.4
90°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	39.1	52.2	58.8	50.5
92.5°	147.0	141.1	117.7	94.3	117.7	141.1	147.0	208.4	290.1	331.1	290.6
95°	498.9	481.2	410.4	339.5	410.4	481.2	498.9	655.2	863.5	967.7	817.3
97.5°	1151.8	1118.1	983.4	848.6	983.4	1118.1	1151.8	1250.6	1382.2	1448.1	1197.3
100°	1617.4	1577.3	1416.8	1256.3	1416.8	1577.3	1617.4	1610.2	1600.6	1595.8	1317.5
102.5°	2015.0	1980.6	1843.1	1705.6	1843.1	1980.6	2015.0	1889.2	1721.4	1637.5	1355.3
105°	2479.1	2460.6	2386.7	2312.8	2386.7	2460.6	2479.1	2197.1	1821.0	1632.9	1359.6
107.5°	2720.5	2725.0	2742.8	2760.7	2742.8	2725.0	2720.5	2327.1	1802.5	1540.1	1299.1
110°	2782.4	2801.6	2878.6	2955.6	2878.6	2801.6	2782.4	2342.5	1755.9	1462.7	1245.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2742.9	2772.5	2890.7	3009.0	2890.7	2772.5	2742.9	2292.7	1692.4	1392.3	1198.6
115°	2609.1	2650.2	2814.1	2978.0	2814.1	2650.2	2609.1	2175.5	1597.2	1308.0	1144.9
117.5°	2424.3	2469.7	2651.6	2833.4	2651.6	2469.7	2424.3	2032.8	1510.9	1250.0	1111.2
120°	2299.7	2343.9	2520.6	2697.3	2520.6	2343.9	2299.7	1942.0	1465.2	1226.8	1099.9
122.5°	2175.2	2218.7	2393.0	2567.3	2393.0	2218.7	2175.2	1853.2	1423.8	1209.0	1094.0
125°	2010.4	2050.6	2211.1	2371.7	2211.1	2050.6	2010.4	1736.8	1372.1	1189.7	1089.1
127.5°	1878.2	1912.0	2047.5	2182.9	2047.5	1912.0	1878.2	1643.3	1330.1	1173.5	1086.3
130°	1794.6	1825.9	1951.1	2076.2	1951.1	1825.9	1794.6	1585.4	1306.7	1167.2	1087.9
132.5°	1723.4	1751.4	1863.5	1975.6	1863.5	1751.4	1723.4	1536.2	1286.6	1161.8	1089.1
135°	1622.9	1647.0	1743.6	1840.2	1743.6	1647.0	1622.9	1466.1	1257.1	1152.6	1088.1
137.5°	1548.6	1568.3	1647.4	1726.5	1647.4	1568.3	1548.6	1416.0	1239.3	1151.0	1094.8
140°	1489.0	1507.5	1581.4	1655.4	1581.4	1507.5	1489.0	1374.6	1221.9	1145.6	1095.9
142.5°	1447.3	1463.2	1526.8	1590.4	1526.8	1463.2	1447.3	1346.7	1212.6	1145.6	1099.9
145°	1384.6	1396.7	1444.8	1492.9	1444.8	1396.7	1384.6	1302.4	1192.7	1137.8	1099.9
147.5°	1332.1	1342.0	1382.0	1421.8	1382.0	1342.0	1332.1	1267.3	1181.0	1137.8	1107.5
150°	1301.9	1309.9	1342.3	1374.6	1342.3	1309.9	1301.9	1247.2	1174.3	1137.8	1111.3
152.5°	1277.9	1283.9	1308.3	1332.7	1308.3	1283.9	1277.9	1231.2	1168.9	1137.8	1113.9
155°	1249.3	1253.4	1269.5	1285.6	1269.5	1253.4	1249.3	1212.1	1162.6	1137.8	1119.6
157.5°	1224.5	1227.3	1238.6	1250.0	1238.6	1227.3	1224.5	1195.6	1157.1	1137.8	1125.3
160°	1212.1	1213.7	1220.3	1226.8	1220.3	1213.7	1212.1	1187.3	1154.4	1137.8	1127.9
162.5°	1200.5	1202.1	1208.2	1214.4	1208.2	1202.1	1200.5	1179.6	1151.8	1137.8	1130.7
165°	1182.8	1184.3	1190.9	1197.4	1190.9	1184.3	1182.8	1167.8	1147.8	1137.8	1134.5
167.5°	1175.0	1175.7	1178.4	1181.2	1178.4	1175.7	1175.0	1165.2	1152.2	1145.6	1142.8
170°	1175.0	1175.0	1175.0	1175.0	1175.0	1175.0	1175.0	1165.2	1152.2	1145.6	1145.4
172.5°	1168.8	1168.2	1165.8	1163.4	1165.8	1168.2	1168.8	1161.0	1150.8	1145.6	1145.6
175°	1160.3	1160.3	1160.3	1160.3	1160.3	1160.3	1160.3	1155.5	1148.9	1145.6	1147.2
177.5°	1158.7	1158.0	1155.4	1152.6	1155.4	1158.0	1158.7	1154.9	1149.7	1147.1	1148.3
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1579.2	1579.2	1579.2	1579.2	1579.2
2.5°	1559.7	1567.2	1571.7	1577.7	1592.6
5°	1500.0	1528.4	1537.3	1559.7	1586.6
7.5°	1368.5	1455.2	1479.1	1532.8	1574.7
10°	1241.5	1328.2	1370.0	1497.0	1559.7
12.5°	1177.3	1228.1	1256.5	1434.2	1538.8
15°	1136.9	1172.8	1193.7	1350.6	1514.9
17.5°	1105.6	1131.0	1145.9	1268.4	1482.0
20°	1086.1	1098.1	1111.5	1208.6	1444.7
22.5°	1072.7	1065.2	1075.7	1166.8	1393.9
25°	1063.7	1035.3	1047.3	1133.9	1334.1
27.5°	1071.2	1008.4	1012.9	1104.1	1271.4
30°	1072.7	975.6	977.1	1072.7	1201.2
32.5°	1062.2	941.2	942.7	1033.8	1122.0
35°	1036.8	900.9	899.4	989.0	1014.4
37.5°	1002.5	857.6	857.6	939.7	896.4
40°	960.6	814.2	818.7	875.5	791.8
42.5°	909.8	767.9	773.9	790.3	714.1
45°	854.6	723.1	727.6	667.8	654.4
47.5°	793.3	676.8	678.3	554.3	635.0
50°	720.1	629.0	623.0	475.1	633.5
52.5°	655.9	576.7	558.8	430.3	575.2
55°	593.1	521.4	482.6	395.9	533.4
57.5°	537.8	449.7	412.3	355.6	524.4
60°	487.0	379.5	351.1	312.2	481.1
62.5°	445.2	327.2	321.2	282.4	436.2
65°	400.4	291.3	289.8	257.0	370.5
67.5°	357.1	267.4	265.9	233.1	282.4
70°	310.8	242.0	239.0	207.7	209.2
72.5°	262.9	213.6	210.7	186.8	173.3
75°	215.1	180.8	179.3	162.8	140.4
77.5°	168.8	143.4	146.4	131.5	103.1
80°	121.0	104.6	107.6	94.1	77.7
82.5°	80.7	68.7	71.7	59.8	52.3
85°	44.8	38.8	40.3	31.4	23.9
87.5°	20.9	17.9	17.9	12.0	7.5
90°	34.0	21.6	20.1	13.9	7.8
92.5°	209.9	149.3	136.2	83.6	31.0
95°	516.4	290.8	266.7	170.5	74.3
97.5°	695.6	319.4	298.2	213.2	128.4
100°	760.8	343.4	324.2	247.2	170.2
102.5°	790.8	367.4	349.5	277.6	205.8
105°	812.9	403.0	387.7	327.0	266.1
107.5°	817.1	455.6	441.4	384.7	328.0
110°	810.8	485.0	472.1	420.9	369.7



TEST NUMBER: P935587

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	811.1	520.6	508.4	459.6	410.8
115°	818.7	574.0	562.7	517.6	472.6
117.5°	833.9	625.8	615.5	574.7	533.8
120°	846.2	656.0	646.3	607.9	569.3
122.5°	864.0	691.5	681.9	643.0	604.2
125°	888.0	737.1	728.3	692.9	657.5
127.5°	912.0	781.3	772.3	736.5	700.8
130°	929.5	810.6	801.0	762.5	724.0
132.5°	943.7	834.6	825.0	786.5	748.0
135°	959.1	862.4	853.7	818.6	783.6
137.5°	982.4	898.1	889.4	854.7	819.9
140°	996.5	922.0	914.0	882.1	850.1
142.5°	1008.4	939.8	932.5	902.9	873.3
145°	1023.9	966.9	960.4	934.6	908.8
147.5°	1046.6	1001.0	994.7	969.6	944.5
150°	1058.4	1018.7	1013.0	990.4	967.7
152.5°	1066.2	1030.4	1026.1	1008.8	991.6
155°	1083.2	1055.9	1052.7	1040.0	1027.3
157.5°	1100.2	1081.4	1078.3	1065.9	1053.6
160°	1108.0	1093.0	1090.6	1081.0	1071.3
162.5°	1116.2	1105.4	1103.6	1096.3	1089.1
165°	1128.1	1123.2	1121.6	1115.0	1108.4
167.5°	1137.3	1133.2	1132.5	1129.4	1126.3
170°	1145.1	1144.8	1144.0	1140.9	1137.8
172.5°	1145.6	1145.6	1145.4	1144.7	1144.0
175°	1150.3	1152.6	1152.6	1152.6	1152.6
177.5°	1150.8	1152.6	1152.6	1152.6	1152.6
180°	1152.6	1152.6	1152.6	1152.6	1152.6



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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	11.20	11.94	12.27	13.02	14.48	14.02	14.77	15.10	15.84	17.31
	3H	11.67	12.33	12.75	13.42	14.90	15.36	16.02	16.44	17.11	18.59
	4H	11.85	12.48	12.95	13.57	15.06	15.80	16.43	16.89	17.51	19.00
	6H	11.97	12.55	13.07	13.63	15.14	16.07	16.65	17.18	17.74	19.24
	8H	11.96	12.52	13.07	13.62	15.12	16.14	16.70	17.25	17.80	19.30
	12H	11.93	12.46	13.04	13.55	15.07	16.18	16.70	17.29	17.80	19.32
4H	2H	12.22	12.85	13.32	13.93	15.42	14.42	15.05	15.52	16.13	17.62
	3H	13.23	13.76	14.34	14.87	16.37	15.91	16.44	17.02	17.55	19.05
	4H	13.50	13.99	14.61	15.09	16.61	16.43	16.92	17.54	18.02	19.54
	6H	13.62	14.04	14.74	15.16	16.68	16.79	17.20	17.91	18.33	19.84
	8H	13.62	14.01	14.74	15.13	16.66	16.89	17.28	18.01	18.40	19.93
	12H	13.59	13.94	14.72	15.06	16.60	16.94	17.29	18.08	18.42	19.96
8H	4H	13.95	14.33	15.06	15.45	16.98	16.55	16.94	17.67	18.05	19.58
	6H	14.20	14.52	15.34	15.68	17.21	16.98	17.30	18.12	18.46	19.98
	8H	14.24	14.52	15.39	15.66	17.21	17.13	17.41	18.27	18.55	20.09
	12H	14.22	14.47	15.37	15.60	17.19	17.22	17.47	18.37	18.60	20.19
12H	4H	13.95	14.30	15.08	15.43	16.96	16.51	16.86	17.64	17.99	19.52
	6H	14.26	14.54	15.41	15.68	17.23	16.97	17.25	18.12	18.39	19.94
	8H	14.32	14.57	15.47	15.70	17.29	17.13	17.38	18.28	18.51	20.09