

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: P935588

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935588
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-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

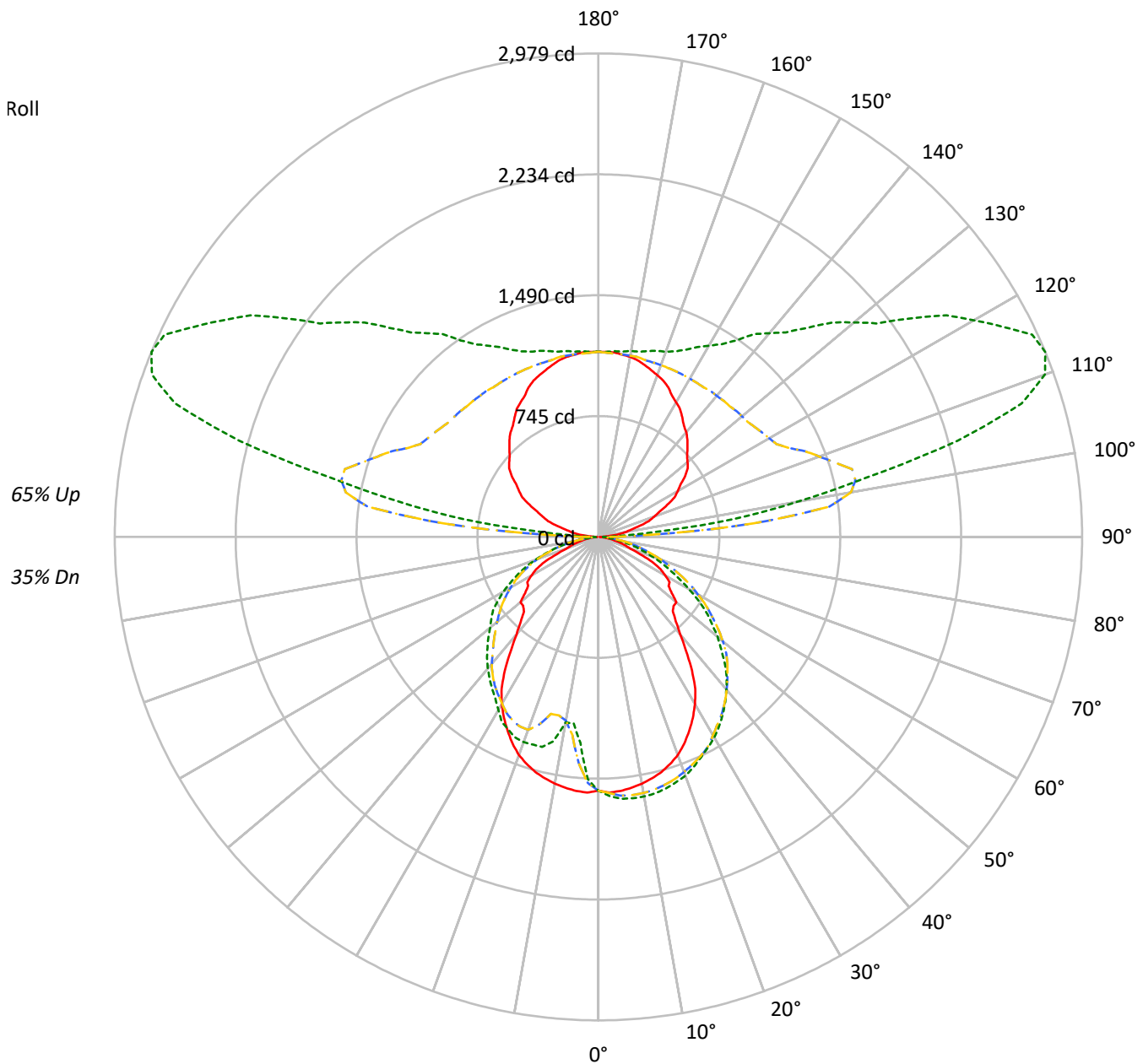
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11454.2 lumens
Efficiency: N/A
Efficacy: 137.3 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°	9671	9671	9671	9671
5°	9740	9762	9740	7676
10°	9671	9616	9671	6875
15°	9562	9408	9562	7856
20°	9358	9161	9358	7872
25°	8945	8801	8945	7705
30°	8413	8502	8413	7339
35°	7496	8124	7496	6937
40°	6243	7679	6243	6633
45°	5574	7158	5574	6283
50°	5918	6537	5918	5932
55°	5562	5868	5562	5728
60°	5726	4984	5726	5247
65°	5184	4119	5184	4605
70°	3582	3283	3582	3860
75°	3128	2427	3128	2907
80°	2503	1604	2503	1747
85°	1413	850	1413	723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8549 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	1.2
10°-20°	400.7	3.5
20°-30°	619.4	5.4
30°-40°	739.4	6.5
40°-50°	743.7	6.5
50°-60°	647.1	5.6
60°-70°	458.8	4.0
70°-80°	242.7	2.1
80°-90°	64.8	0.6
90°-100°	556.2	4.9
100°-110°	1462.2	12.8
110°-120°	1516.1	13.2
120°-130°	1216.1	10.6
130°-140°	954.2	8.3
140°-150°	732.4	6.4
150°-160°	527.5	4.6
160°-170°	322.7	2.8
170°-180°	109.0	1.0
0°-30°	1161.1	10.1
0°-40°	1900.5	16.6
0°-60°	3291.4	28.7
0°-90°	4057.7	35.4
90°-120°	3534.5	30.9
90°-150°	6437.3	56.2
90°-180°	7397.0	64.6
0°-180°	11454.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1563	1563	1563	1563	1563	
5°	1571	1620	1571	1273	1571	149
15°	1500	1605	1500	1340	1500	422
25°	1321	1497	1321	1310	1321	606
35°	1004	1336	1004	1140	1004	621
45°	648	1100	648	966	648	519
55°	528	812	528	793	528	485
65°	367	490	367	547	367	351
75°	139	232	139	278	139	146
85°	24	59	24	50	24	32
90°	8	29	8	29	8	7
95°	74	336	74	336	74	82
105°	264	2290	264	2290	264	279
115°	468	2948	468	2948	468	462
125°	651	2348	651	2348	651	578
135°	776	1822	776	1822	776	600
145°	900	1478	900	1478	900	564
155°	1017	1273	1017	1273	1017	467
165°	1097	1185	1097	1185	1097	310
175°	1141	1149	1141	1149	1141	108
180°	1141	1141	1141	1141	1141	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1576.6	1576.6	1585.5	1588.4	1588.4	1584.0	1579.6	1584.0	1597.3	1601.8	1600.3
5°	1570.7	1582.5	1598.8	1601.8	1604.7	1603.2	1600.3	1603.2	1618.0	1621.0	1622.5
7.5°	1558.9	1581.1	1601.8	1606.2	1610.6	1606.2	1604.7	1607.7	1622.5	1625.4	1625.4
10°	1544.1	1575.1	1598.8	1601.8	1606.2	1601.8	1601.8	1607.7	1622.5	1625.4	1626.9
12.5°	1523.4	1566.3	1588.4	1591.4	1597.3	1595.8	1594.4	1600.3	1615.1	1618.0	1618.0
15°	1499.7	1550.0	1570.7	1573.7	1584.0	1581.1	1581.1	1587.0	1603.2	1607.7	1606.2
17.5°	1467.2	1529.3	1553.0	1557.4	1564.8	1563.3	1564.8	1570.7	1585.5	1588.4	1589.9
20°	1430.2	1501.2	1529.3	1533.7	1541.1	1541.1	1541.1	1548.5	1563.3	1569.2	1569.2
22.5°	1379.9	1471.6	1501.2	1504.1	1513.0	1513.0	1516.0	1526.3	1539.6	1541.1	1541.1
25°	1320.7	1439.1	1464.2	1473.1	1482.0	1486.4	1490.8	1496.7	1501.2	1499.7	1501.2
27.5°	1258.6	1397.7	1430.2	1436.1	1447.9	1452.4	1458.3	1459.8	1461.3	1465.7	1462.7
30°	1189.1	1340.0	1388.8	1394.7	1413.9	1416.9	1411.0	1413.9	1421.3	1424.3	1427.2
32.5°	1110.7	1254.2	1345.9	1359.2	1376.9	1368.1	1366.6	1371.0	1382.9	1382.9	1385.8
35°	1004.2	1187.6	1306.0	1317.8	1331.1	1320.7	1326.7	1328.1	1335.5	1340.0	1338.5
37.5°	887.4	1130.0	1264.5	1273.4	1283.8	1270.5	1279.3	1283.8	1289.7	1286.7	1286.7
40°	783.9	1039.7	1215.7	1221.7	1230.5	1220.2	1229.0	1232.0	1235.0	1232.0	1230.5
42.5°	707.0	940.6	1164.0	1171.4	1165.5	1172.8	1175.8	1181.7	1177.3	1171.4	1171.4
45°	647.8	914.0	1107.8	1116.6	1107.8	1119.6	1124.0	1124.0	1110.7	1107.8	1106.3
47.5°	628.6	860.8	1051.6	1051.6	1047.1	1061.9	1069.3	1059.0	1045.7	1041.2	1041.2
50°	627.1	801.6	974.7	968.7	989.5	1007.2	999.8	989.5	979.1	962.8	962.8
52.5°	569.4	729.1	875.6	897.8	930.3	940.6	928.8	918.5	900.7	893.3	887.4
55°	528.0	653.7	785.3	829.7	863.7	877.0	854.9	844.5	817.9	813.4	810.5
57.5°	519.1	544.3	702.5	758.7	800.1	798.7	785.3	766.1	743.9	739.5	738.0
60°	476.2	393.4	613.8	680.3	723.2	718.8	707.0	689.2	668.5	665.6	662.6
62.5°	431.9	285.4	513.2	588.6	649.3	647.8	637.4	610.8	596.0	588.6	582.7
65°	366.8	239.6	365.3	489.5	576.8	579.8	557.6	538.4	522.1	513.2	511.7
67.5°	279.5	195.2	247.0	408.2	507.3	504.3	476.2	467.4	446.7	442.2	433.3
70°	207.1	130.2	171.6	331.3	439.3	431.9	409.7	399.3	380.1	369.8	363.8
72.5°	171.6	105.0	125.7	257.3	369.8	360.9	341.6	329.8	313.5	304.7	298.8
75°	139.0	110.9	96.1	190.8	300.2	294.3	276.6	264.7	251.4	239.6	241.1
77.5°	102.1	103.5	76.9	140.5	238.1	229.2	218.9	204.1	198.2	186.4	186.4
80°	76.9	81.3	57.7	96.1	171.6	171.6	162.7	152.3	142.0	136.1	136.1
82.5°	51.8	51.8	42.9	60.6	116.8	112.4	106.5	103.5	97.6	94.7	94.7
85°	23.7	29.6	26.6	37.0	63.6	66.6	66.6	63.6	62.1	59.2	60.6
87.5°	7.4	13.3	16.3	20.7	32.5	34.0	35.5	35.5	35.5	37.0	37.0
90°	7.7	13.8	19.9	21.4	33.6	50.0	58.2	51.7	38.7	29.1	29.1
92.5°	30.7	82.7	134.8	147.8	207.8	287.7	327.7	287.2	206.3	145.5	139.7
95°	73.6	168.8	264.1	287.9	511.2	809.1	958.0	854.9	648.6	493.9	476.3
97.5°	127.1	211.1	295.2	316.2	688.6	1185.3	1433.5	1368.4	1238.0	1140.2	1106.9
100°	168.5	244.7	320.9	340.0	753.2	1304.3	1579.8	1584.5	1594.1	1601.2	1561.4
102.5°	203.7	274.8	346.0	363.7	782.9	1341.7	1621.1	1704.1	1870.2	1994.8	1960.8
105°	263.5	323.7	383.8	398.9	804.8	1346.0	1616.5	1802.7	2175.0	2454.3	2435.9
107.5°	324.7	380.8	437.0	451.0	808.9	1286.0	1524.7	1784.4	2303.7	2693.2	2697.6
110°	366.0	416.7	467.4	480.1	802.7	1232.9	1448.0	1738.3	2319.0	2754.5	2773.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	406.6	454.9	503.3	515.4	803.0	1186.6	1378.3	1675.4	2269.7	2715.3	2744.6
115°	467.9	512.4	557.1	568.2	810.5	1133.4	1294.9	1581.1	2153.6	2582.9	2623.5
117.5°	528.4	568.9	609.3	619.5	825.5	1100.1	1237.4	1495.8	2012.4	2399.9	2444.9
120°	563.6	601.8	639.8	649.4	837.7	1088.8	1214.5	1450.5	1922.5	2276.6	2320.4
122.5°	598.1	636.6	675.0	684.6	855.4	1083.0	1196.9	1409.5	1834.6	2153.3	2196.4
125°	650.9	686.0	721.0	729.7	879.1	1078.2	1177.8	1358.3	1719.4	1990.2	2030.0
127.5°	693.7	729.1	764.5	773.4	902.9	1075.4	1161.7	1316.7	1626.8	1859.3	1892.8
130°	716.7	754.9	792.9	802.5	920.1	1077.0	1155.5	1293.5	1569.5	1776.6	1807.5
132.5°	740.5	778.6	816.7	826.3	934.2	1078.2	1150.2	1273.7	1520.8	1706.1	1733.8
135°	775.7	810.4	845.1	853.8	949.5	1077.2	1141.0	1244.4	1451.4	1606.6	1630.4
137.5°	811.7	846.1	880.5	889.1	972.5	1083.8	1139.4	1226.9	1401.8	1533.0	1552.6
140°	841.6	873.2	904.9	912.7	986.5	1084.9	1134.1	1209.6	1360.8	1474.1	1492.4
142.5°	864.5	893.8	923.1	930.4	998.3	1088.8	1134.1	1200.5	1333.2	1432.8	1448.5
145°	899.7	925.3	950.8	957.2	1013.6	1088.8	1126.4	1180.7	1289.3	1370.7	1382.7
147.5°	935.0	959.9	984.7	990.9	1036.1	1096.3	1126.4	1169.1	1254.6	1318.7	1328.5
150°	958.0	980.5	1002.9	1008.5	1047.8	1100.2	1126.4	1162.5	1234.7	1288.8	1296.8
152.5°	981.7	998.7	1015.8	1020.0	1055.5	1102.7	1126.4	1157.2	1218.8	1265.0	1271.1
155°	1017.0	1029.6	1042.1	1045.3	1072.3	1108.4	1126.4	1151.0	1200.0	1236.7	1240.8
157.5°	1043.0	1055.2	1067.4	1070.5	1089.1	1114.0	1126.4	1145.4	1183.6	1212.2	1214.9
160°	1060.5	1070.1	1079.7	1082.0	1096.8	1116.5	1126.4	1142.8	1175.4	1200.0	1201.5
162.5°	1078.2	1085.3	1092.5	1094.3	1105.0	1119.3	1126.4	1140.2	1167.7	1188.4	1190.0
165°	1097.3	1103.8	1110.3	1111.9	1116.7	1123.2	1126.4	1136.3	1156.1	1170.9	1172.5
167.5°	1115.0	1118.0	1121.1	1121.9	1125.9	1131.3	1134.1	1140.6	1153.5	1163.2	1163.9
170°	1126.4	1129.5	1132.5	1133.3	1133.6	1133.9	1134.1	1140.6	1153.5	1163.2	1163.2
172.5°	1132.5	1133.2	1133.9	1134.1	1134.1	1134.1	1134.1	1139.2	1149.4	1157.1	1156.5
175°	1141.0	1141.0	1141.0	1141.0	1138.7	1135.7	1134.1	1137.4	1143.9	1148.7	1148.7
177.5°	1141.0	1141.0	1141.0	1141.0	1139.2	1136.8	1135.6	1138.1	1143.3	1147.1	1146.4
180°	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1603.2	1598.8	1603.2	1600.3	1601.8	1597.3	1584.0	1579.6	1584.0	1588.4	1588.4
5°	1622.5	1619.5	1622.5	1622.5	1621.0	1618.0	1603.2	1600.3	1603.2	1604.7	1601.8
7.5°	1628.4	1623.9	1628.4	1625.4	1625.4	1622.5	1607.7	1604.7	1606.2	1610.6	1606.2
10°	1628.4	1623.9	1628.4	1626.9	1625.4	1622.5	1607.7	1601.8	1601.8	1606.2	1601.8
12.5°	1621.0	1618.0	1621.0	1618.0	1618.0	1615.1	1600.3	1594.4	1595.8	1597.3	1591.4
15°	1609.2	1604.7	1609.2	1606.2	1607.7	1603.2	1587.0	1581.1	1581.1	1584.0	1573.7
17.5°	1591.4	1585.5	1591.4	1589.9	1588.4	1585.5	1570.7	1564.8	1563.3	1564.8	1557.4
20°	1570.7	1566.3	1570.7	1569.2	1569.2	1563.3	1548.5	1541.1	1541.1	1541.1	1533.7
22.5°	1538.2	1533.7	1538.2	1541.1	1541.1	1539.6	1526.3	1516.0	1513.0	1513.0	1504.1
25°	1501.2	1496.7	1501.2	1501.2	1499.7	1501.2	1496.7	1490.8	1486.4	1482.0	1473.1
27.5°	1465.7	1462.7	1465.7	1462.7	1465.7	1461.3	1459.8	1458.3	1452.4	1447.9	1436.1
30°	1430.2	1427.2	1430.2	1427.2	1424.3	1421.3	1413.9	1411.0	1416.9	1413.9	1394.7
32.5°	1385.8	1382.9	1385.8	1385.8	1382.9	1382.9	1371.0	1366.6	1368.1	1376.9	1359.2
35°	1340.0	1335.5	1340.0	1338.5	1340.0	1335.5	1328.1	1326.7	1320.7	1331.1	1317.8
37.5°	1286.7	1282.3	1286.7	1286.7	1286.7	1289.7	1283.8	1279.3	1270.5	1283.8	1273.4
40°	1232.0	1226.1	1232.0	1230.5	1232.0	1235.0	1232.0	1229.0	1220.2	1230.5	1221.7
42.5°	1169.9	1168.4	1169.9	1171.4	1171.4	1177.3	1181.7	1175.8	1172.8	1165.5	1171.4
45°	1103.3	1100.4	1103.3	1106.3	1107.8	1110.7	1124.0	1124.0	1119.6	1107.8	1116.6
47.5°	1032.3	1024.9	1032.3	1041.2	1041.2	1045.7	1059.0	1069.3	1061.9	1047.1	1051.6
50°	956.9	958.4	956.9	962.8	962.8	979.1	989.5	999.8	1007.2	989.5	968.7
52.5°	883.0	881.5	883.0	887.4	893.3	900.7	918.5	928.8	940.6	930.3	897.8
55°	809.0	812.0	809.0	810.5	813.4	817.9	844.5	854.9	877.0	863.7	829.7
57.5°	735.1	730.6	735.1	738.0	739.5	743.9	766.1	785.3	798.7	800.1	758.7
60°	649.3	643.4	649.3	662.6	665.6	668.5	689.2	707.0	718.8	723.2	680.3
62.5°	573.9	563.5	573.9	582.7	588.6	596.0	610.8	637.4	647.8	649.3	588.6
65°	494.0	489.5	494.0	511.7	513.2	522.1	538.4	557.6	579.8	576.8	489.5
67.5°	421.5	421.5	421.5	433.3	442.2	446.7	467.4	476.2	504.3	507.3	408.2
70°	355.0	353.5	355.0	363.8	369.8	380.1	399.3	409.7	431.9	439.3	331.3
72.5°	291.4	289.9	291.4	298.8	304.7	313.5	329.8	341.6	360.9	369.8	257.3
75°	235.2	232.2	235.2	241.1	239.6	251.4	264.7	276.6	294.3	300.2	190.8
77.5°	180.4	180.4	180.4	186.4	186.4	198.2	204.1	218.9	229.2	238.1	140.5
80°	134.6	133.1	134.6	136.1	136.1	142.0	152.3	162.7	171.6	171.6	96.1
82.5°	94.7	91.7	94.7	94.7	94.7	97.6	103.5	106.5	112.4	116.8	60.6
85°	59.2	59.2	59.2	60.6	59.2	62.1	63.6	66.6	66.6	63.6	37.0
87.5°	38.5	37.0	38.5	37.0	37.0	35.5	35.5	35.5	34.0	32.5	20.7
90°	29.1	29.1	29.1	29.1	29.1	38.7	51.7	58.2	50.0	33.6	21.4
92.5°	116.5	93.4	116.5	139.7	145.5	206.3	287.2	327.7	287.7	207.8	147.8
95°	406.2	336.1	406.2	476.3	493.9	648.6	854.9	958.0	809.1	511.2	287.9
97.5°	973.5	840.1	973.5	1106.9	1140.2	1238.0	1368.4	1433.5	1185.3	688.6	316.2
100°	1402.6	1243.6	1402.6	1561.4	1601.2	1594.1	1584.5	1579.8	1304.3	753.2	340.0
102.5°	1824.6	1688.5	1824.6	1960.8	1994.8	1870.2	1704.1	1621.1	1341.7	782.9	363.7
105°	2362.8	2289.6	2362.8	2435.9	2454.3	2175.0	1802.7	1616.5	1346.0	804.8	398.9
107.5°	2715.2	2733.0	2715.2	2697.6	2693.2	2303.7	1784.4	1524.7	1286.0	808.9	451.0
110°	2849.7	2926.0	2849.7	2773.5	2754.5	2319.0	1738.3	1448.0	1232.9	802.7	480.1



TEST NUMBER: P935588

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2861.7	2978.8	2861.7	2744.6	2715.3	2269.7	1675.4	1378.3	1186.6	803.0	515.4
115°	2785.8	2948.1	2785.8	2623.5	2582.9	2153.6	1581.1	1294.9	1133.4	810.5	568.2
117.5°	2624.9	2805.0	2624.9	2444.9	2399.9	2012.4	1495.8	1237.4	1100.1	825.5	619.5
120°	2495.3	2670.2	2495.3	2320.4	2276.6	1922.5	1450.5	1214.5	1088.8	837.7	649.4
122.5°	2369.0	2541.5	2369.0	2196.4	2153.3	1834.6	1409.5	1196.9	1083.0	855.4	684.6
125°	2188.9	2347.9	2188.9	2030.0	1990.2	1719.4	1358.3	1177.8	1078.2	879.1	729.7
127.5°	2026.9	2161.0	2026.9	1892.8	1859.3	1626.8	1316.7	1161.7	1075.4	902.9	773.4
130°	1931.5	2055.3	1931.5	1807.5	1776.6	1569.5	1293.5	1155.5	1077.0	920.1	802.5
132.5°	1844.8	1955.7	1844.8	1733.8	1706.1	1520.8	1273.7	1150.2	1078.2	934.2	826.3
135°	1726.1	1821.7	1726.1	1630.4	1606.6	1451.4	1244.4	1141.0	1077.2	949.5	853.8
137.5°	1630.8	1709.1	1630.8	1552.6	1533.0	1401.8	1226.9	1139.4	1083.8	972.5	889.1
140°	1565.6	1638.7	1565.6	1492.4	1474.1	1360.8	1209.6	1134.1	1084.9	986.5	912.7
142.5°	1511.4	1574.4	1511.4	1448.5	1432.8	1333.2	1200.5	1134.1	1088.8	998.3	930.4
145°	1430.3	1477.9	1430.3	1382.7	1370.7	1289.3	1180.7	1126.4	1088.8	1013.6	957.2
147.5°	1368.1	1407.5	1368.1	1328.5	1318.7	1254.6	1169.1	1126.4	1096.3	1036.1	990.9
150°	1328.8	1360.8	1328.8	1296.8	1288.8	1234.7	1162.5	1126.4	1100.2	1047.8	1008.5
152.5°	1295.2	1319.4	1295.2	1271.1	1265.0	1218.8	1157.2	1126.4	1102.7	1055.5	1020.0
155°	1256.8	1272.7	1256.8	1240.8	1236.7	1200.0	1151.0	1126.4	1108.4	1072.3	1045.3
157.5°	1226.2	1237.4	1226.2	1214.9	1212.2	1183.6	1145.4	1126.4	1114.0	1089.1	1070.5
160°	1208.0	1214.5	1208.0	1201.5	1200.0	1175.4	1142.8	1126.4	1116.5	1096.8	1082.0
162.5°	1196.1	1202.2	1196.1	1190.0	1188.4	1167.7	1140.2	1126.4	1119.3	1105.0	1094.3
165°	1179.0	1185.4	1179.0	1172.5	1170.9	1156.1	1136.3	1126.4	1123.2	1116.7	1111.9
167.5°	1166.5	1169.3	1166.5	1163.9	1163.2	1153.5	1140.6	1134.1	1131.3	1125.9	1121.9
170°	1163.2	1163.2	1163.2	1163.2	1163.2	1153.5	1140.6	1134.1	1133.9	1133.6	1133.3
172.5°	1154.1	1151.7	1154.1	1156.5	1157.1	1149.4	1139.2	1134.1	1134.1	1134.1	1134.1
175°	1148.7	1148.7	1148.7	1148.7	1148.7	1143.9	1137.4	1134.1	1135.7	1138.7	1141.0
177.5°	1143.8	1141.0	1143.8	1146.4	1147.1	1143.3	1138.1	1135.6	1136.8	1139.2	1141.0
180°	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0



TEST NUMBER: P935588

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1585.5	1576.6	1576.6	1561.8	1555.9	1551.5	1544.1	1521.9	1516.0	1510.1	1518.9
5°	1598.8	1582.5	1570.7	1544.1	1521.9	1513.0	1484.9	1431.7	1396.2	1369.6	1354.8
7.5°	1601.8	1581.1	1558.9	1517.5	1464.2	1440.5	1354.8	1257.2	1230.5	1206.9	1192.1
10°	1598.8	1575.1	1544.1	1482.0	1356.2	1314.8	1229.0	1165.5	1149.2	1144.7	1149.2
12.5°	1588.4	1566.3	1523.4	1419.8	1243.8	1215.7	1165.5	1128.5	1125.5	1132.9	1172.8
15°	1570.7	1550.0	1499.7	1337.0	1181.7	1161.0	1125.5	1112.2	1128.5	1180.2	1300.0
17.5°	1553.0	1529.3	1467.2	1255.7	1134.4	1119.6	1094.5	1121.1	1212.8	1282.3	1322.2
20°	1529.3	1501.2	1430.2	1196.5	1100.4	1087.1	1075.2	1195.0	1264.5	1289.7	1311.9
22.5°	1501.2	1471.6	1379.9	1155.1	1064.9	1054.5	1061.9	1236.4	1264.5	1282.3	1301.5
25°	1464.2	1439.1	1320.7	1122.6	1036.8	1024.9	1053.0	1232.0	1248.3	1252.7	1291.2
27.5°	1430.2	1397.7	1258.6	1093.0	1002.8	998.3	1060.4	1212.8	1224.6	1229.0	1270.5
30°	1388.8	1340.0	1189.1	1061.9	967.3	965.8	1061.9	1189.1	1186.2	1198.0	1239.4
32.5°	1345.9	1254.2	1110.7	1023.5	933.2	931.8	1051.6	1153.6	1150.7	1166.9	1198.0
35°	1306.0	1187.6	1004.2	979.1	890.4	891.8	1026.4	1112.2	1113.7	1128.5	1147.7
37.5°	1264.5	1130.0	887.4	930.3	848.9	848.9	992.4	1073.8	1070.8	1075.2	1101.9
40°	1215.7	1039.7	783.9	866.7	810.5	806.1	951.0	1032.3	1022.0	1020.5	1057.5
42.5°	1164.0	940.6	707.0	782.4	766.1	760.2	900.7	982.1	962.8	967.3	1014.6
45°	1107.8	914.0	647.8	661.1	720.3	715.8	846.0	924.4	911.1	922.9	971.7
47.5°	1051.6	860.8	628.6	548.7	671.5	670.0	785.3	868.2	860.8	872.6	924.4
50°	974.7	801.6	627.1	470.3	616.7	622.7	712.9	813.4	813.4	823.8	878.5
52.5°	875.6	729.1	569.4	426.0	553.1	570.9	649.3	766.1	769.1	779.4	828.2
55°	785.3	653.7	528.0	391.9	477.7	516.2	587.2	717.3	723.2	733.6	778.0
57.5°	702.5	544.3	519.1	352.0	408.2	445.2	532.4	670.0	672.9	681.8	724.7
60°	613.8	393.4	476.2	309.1	347.6	375.7	482.2	613.8	624.1	630.1	667.0
62.5°	513.2	285.4	431.9	279.5	318.0	323.9	440.7	560.5	573.9	578.3	600.5
65°	365.3	239.6	366.8	254.4	286.9	288.4	396.4	505.8	517.6	525.0	541.3
67.5°	247.0	195.2	279.5	230.7	263.3	264.7	353.5	442.2	458.5	464.4	474.8
70°	171.6	130.2	207.1	205.6	236.6	239.6	307.6	384.5	399.3	403.8	409.7
72.5°	125.7	105.0	171.6	184.9	208.5	211.5	260.3	319.5	334.3	338.7	341.6
75°	96.1	110.9	139.0	161.2	177.5	179.0	213.0	260.3	270.7	273.6	275.1
77.5°	76.9	103.5	102.1	130.2	144.9	142.0	167.1	201.1	210.0	210.0	210.0
80°	57.7	81.3	76.9	93.2	106.5	103.5	119.8	143.5	146.4	149.4	147.9
82.5°	42.9	51.8	51.8	59.2	71.0	68.0	79.9	93.2	93.2	93.2	96.1
85°	26.6	29.6	23.7	31.1	39.9	38.5	44.4	50.3	51.8	51.8	48.8
87.5°	16.3	13.3	7.4	11.8	17.7	17.7	20.7	22.2	20.7	20.7	20.7
90°	19.9	13.8	7.7	13.8	19.9	21.4	33.6	50.0	58.2	51.7	38.7
92.5°	134.8	82.7	30.7	82.7	134.8	147.8	207.8	287.7	327.7	287.2	206.3
95°	264.1	168.8	73.6	168.8	264.1	287.9	511.2	809.1	958.0	854.9	648.6
97.5°	295.2	211.1	127.1	211.1	295.2	316.2	688.6	1185.3	1433.5	1368.4	1238.0
100°	320.9	244.7	168.5	244.7	320.9	340.0	753.2	1304.3	1579.8	1584.5	1594.1
102.5°	346.0	274.8	203.7	274.8	346.0	363.7	782.9	1341.7	1621.1	1704.1	1870.2
105°	383.8	323.7	263.5	323.7	383.8	398.9	804.8	1346.0	1616.5	1802.7	2175.0
107.5°	437.0	380.8	324.7	380.8	437.0	451.0	808.9	1286.0	1524.7	1784.4	2303.7
110°	467.4	416.7	366.0	416.7	467.4	480.1	802.7	1232.9	1448.0	1738.3	2319.0



TEST NUMBER: P935588

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	503.3	454.9	406.6	454.9	503.3	515.4	803.0	1186.6	1378.3	1675.4	2269.7
115°	557.1	512.4	467.9	512.4	557.1	568.2	810.5	1133.4	1294.9	1581.1	2153.6
117.5°	609.3	568.9	528.4	568.9	609.3	619.5	825.5	1100.1	1237.4	1495.8	2012.4
120°	639.8	601.8	563.6	601.8	639.8	649.4	837.7	1088.8	1214.5	1450.5	1922.5
122.5°	675.0	636.6	598.1	636.6	675.0	684.6	855.4	1083.0	1196.9	1409.5	1834.6
125°	721.0	686.0	650.9	686.0	721.0	729.7	879.1	1078.2	1177.8	1358.3	1719.4
127.5°	764.5	729.1	693.7	729.1	764.5	773.4	902.9	1075.4	1161.7	1316.7	1626.8
130°	792.9	754.9	716.7	754.9	792.9	802.5	920.1	1077.0	1155.5	1293.5	1569.5
132.5°	816.7	778.6	740.5	778.6	816.7	826.3	934.2	1078.2	1150.2	1273.7	1520.8
135°	845.1	810.4	775.7	810.4	845.1	853.8	949.5	1077.2	1141.0	1244.4	1451.4
137.5°	880.5	846.1	811.7	846.1	880.5	889.1	972.5	1083.8	1139.4	1226.9	1401.8
140°	904.9	873.2	841.6	873.2	904.9	912.7	986.5	1084.9	1134.1	1209.6	1360.8
142.5°	923.1	893.8	864.5	893.8	923.1	930.4	998.3	1088.8	1134.1	1200.5	1333.2
145°	950.8	925.3	899.7	925.3	950.8	957.2	1013.6	1088.8	1126.4	1180.7	1289.3
147.5°	984.7	959.9	935.0	959.9	984.7	990.9	1036.1	1096.3	1126.4	1169.1	1254.6
150°	1002.9	980.5	958.0	980.5	1002.9	1008.5	1047.8	1100.2	1126.4	1162.5	1234.7
152.5°	1015.8	998.7	981.7	998.7	1015.8	1020.0	1055.5	1102.7	1126.4	1157.2	1218.8
155°	1042.1	1029.6	1017.0	1029.6	1042.1	1045.3	1072.3	1108.4	1126.4	1151.0	1200.0
157.5°	1067.4	1055.2	1043.0	1055.2	1067.4	1070.5	1089.1	1114.0	1126.4	1145.4	1183.6
160°	1079.7	1070.1	1060.5	1070.1	1079.7	1082.0	1096.8	1116.5	1126.4	1142.8	1175.4
162.5°	1092.5	1085.3	1078.2	1085.3	1092.5	1094.3	1105.0	1119.3	1126.4	1140.2	1167.7
165°	1110.3	1103.8	1097.3	1103.8	1110.3	1111.9	1116.7	1123.2	1126.4	1136.3	1156.1
167.5°	1121.1	1118.0	1115.0	1118.0	1121.1	1121.9	1125.9	1131.3	1134.1	1140.6	1153.5
170°	1132.5	1129.5	1126.4	1129.5	1132.5	1133.3	1133.6	1133.9	1134.1	1140.6	1153.5
172.5°	1133.9	1133.2	1132.5	1133.2	1133.9	1134.1	1134.1	1134.1	1134.1	1139.2	1149.4
175°	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1138.7	1135.7	1134.1	1137.4	1143.9
177.5°	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1139.2	1136.8	1135.6	1138.1	1143.3
180°	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0



TEST NUMBER: P935588

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1508.6	1504.1	1510.1	1493.8	1510.1	1504.1	1508.6	1518.9	1510.1	1516.0	1521.9
5°	1323.7	1316.3	1292.6	1273.4	1292.6	1316.3	1323.7	1354.8	1369.6	1396.2	1431.7
7.5°	1183.2	1177.3	1171.4	1159.5	1171.4	1177.3	1183.2	1192.1	1206.9	1230.5	1257.2
10°	1152.1	1153.6	1162.5	1161.0	1162.5	1153.6	1152.1	1149.2	1144.7	1149.2	1165.5
12.5°	1232.0	1245.3	1294.1	1291.2	1294.1	1245.3	1232.0	1172.8	1132.9	1125.5	1128.5
15°	1323.7	1328.1	1338.5	1340.0	1338.5	1328.1	1323.7	1300.0	1180.2	1128.5	1112.2
17.5°	1332.6	1334.1	1341.5	1341.5	1341.5	1334.1	1332.6	1322.2	1282.3	1212.8	1121.1
20°	1325.2	1328.1	1342.9	1345.9	1342.9	1328.1	1325.2	1311.9	1289.7	1264.5	1195.0
22.5°	1322.2	1328.1	1340.0	1338.5	1340.0	1328.1	1322.2	1301.5	1282.3	1264.5	1236.4
25°	1307.4	1307.4	1308.9	1310.4	1308.9	1307.4	1307.4	1291.2	1252.7	1248.3	1232.0
27.5°	1276.4	1279.3	1288.2	1286.7	1288.2	1279.3	1276.4	1270.5	1229.0	1224.6	1212.8
30°	1248.3	1245.3	1237.9	1232.0	1237.9	1245.3	1248.3	1239.4	1198.0	1186.2	1189.1
32.5°	1200.9	1193.6	1186.2	1181.7	1186.2	1193.6	1200.9	1198.0	1166.9	1150.7	1153.6
35°	1144.7	1146.2	1144.7	1140.3	1144.7	1146.2	1144.7	1147.7	1128.5	1113.7	1112.2
37.5°	1104.8	1107.8	1106.3	1100.4	1106.3	1107.8	1104.8	1101.9	1075.2	1070.8	1073.8
40°	1063.4	1064.9	1063.4	1059.0	1063.4	1064.9	1063.4	1057.5	1020.5	1022.0	1032.3
42.5°	1023.5	1022.0	1017.6	1014.6	1017.6	1022.0	1023.5	1014.6	967.3	962.8	982.1
45°	977.6	979.1	970.2	965.8	970.2	979.1	977.6	971.7	922.9	911.1	924.4
47.5°	931.8	931.8	924.4	919.9	924.4	931.8	931.8	924.4	872.6	860.8	868.2
50°	883.0	881.5	871.1	869.7	871.1	881.5	883.0	878.5	823.8	813.4	813.4
52.5°	826.8	826.8	828.2	831.2	828.2	826.8	826.8	828.2	779.4	769.1	766.1
55°	778.0	779.4	789.8	792.7	789.8	779.4	778.0	778.0	733.6	723.2	717.3
57.5°	727.7	727.7	735.1	735.1	735.1	727.7	727.7	724.7	681.8	672.9	670.0
60°	670.0	672.9	678.9	677.4	678.9	672.9	670.0	667.0	630.1	624.1	613.8
62.5°	609.3	612.3	613.8	610.8	613.8	612.3	609.3	600.5	578.3	573.9	560.5
65°	545.8	548.7	550.2	547.2	550.2	548.7	545.8	541.3	525.0	517.6	505.8
67.5°	480.7	479.2	477.7	483.6	477.7	479.2	480.7	474.8	464.4	458.5	442.2
70°	414.1	414.1	412.6	415.6	412.6	414.1	414.1	409.7	403.8	399.3	384.5
72.5°	343.1	341.6	347.6	343.1	347.6	341.6	343.1	341.6	338.7	334.3	319.5
75°	273.6	276.6	273.6	278.1	273.6	276.6	273.6	275.1	273.6	270.7	260.3
77.5°	208.5	211.5	208.5	208.5	208.5	211.5	208.5	210.0	210.0	210.0	201.1
80°	147.9	146.4	146.4	144.9	146.4	146.4	147.9	147.9	149.4	146.4	143.5
82.5°	94.7	93.2	93.2	96.1	93.2	93.2	94.7	96.1	93.2	93.2	93.2
85°	51.8	53.2	50.3	50.3	50.3	53.2	51.8	48.8	51.8	51.8	50.3
87.5°	19.2	17.7	17.7	17.7	17.7	17.7	19.2	20.7	20.7	20.7	22.2
90°	29.1	29.1	29.1	29.1	29.1	29.1	29.1	38.7	51.7	58.2	50.0
92.5°	145.5	139.7	116.5	93.4	116.5	139.7	145.5	206.3	287.2	327.7	287.7
95°	493.9	476.3	406.2	336.1	406.2	476.3	493.9	648.6	854.9	958.0	809.1
97.5°	1140.2	1106.9	973.5	840.1	973.5	1106.9	1140.2	1238.0	1368.4	1433.5	1185.3
100°	1601.2	1561.4	1402.6	1243.6	1402.6	1561.4	1601.2	1594.1	1584.5	1579.8	1304.3
102.5°	1994.8	1960.8	1824.6	1688.5	1824.6	1960.8	1994.8	1870.2	1704.1	1621.1	1341.7
105°	2454.3	2435.9	2362.8	2289.6	2362.8	2435.9	2454.3	2175.0	1802.7	1616.5	1346.0
107.5°	2693.2	2697.6	2715.2	2733.0	2715.2	2697.6	2693.2	2303.7	1784.4	1524.7	1286.0
110°	2754.5	2773.5	2849.7	2926.0	2849.7	2773.5	2754.5	2319.0	1738.3	1448.0	1232.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2715.3	2744.6	2861.7	2978.8	2861.7	2744.6	2715.3	2269.7	1675.4	1378.3	1186.6
115°	2582.9	2623.5	2785.8	2948.1	2785.8	2623.5	2582.9	2153.6	1581.1	1294.9	1133.4
117.5°	2399.9	2444.9	2624.9	2805.0	2624.9	2444.9	2399.9	2012.4	1495.8	1237.4	1100.1
120°	2276.6	2320.4	2495.3	2670.2	2495.3	2320.4	2276.6	1922.5	1450.5	1214.5	1088.8
122.5°	2153.3	2196.4	2369.0	2541.5	2369.0	2196.4	2153.3	1834.6	1409.5	1196.9	1083.0
125°	1990.2	2030.0	2188.9	2347.9	2188.9	2030.0	1990.2	1719.4	1358.3	1177.8	1078.2
127.5°	1859.3	1892.8	2026.9	2161.0	2026.9	1892.8	1859.3	1626.8	1316.7	1161.7	1075.4
130°	1776.6	1807.5	1931.5	2055.3	1931.5	1807.5	1776.6	1569.5	1293.5	1155.5	1077.0
132.5°	1706.1	1733.8	1844.8	1955.7	1844.8	1733.8	1706.1	1520.8	1273.7	1150.2	1078.2
135°	1606.6	1630.4	1726.1	1821.7	1726.1	1630.4	1606.6	1451.4	1244.4	1141.0	1077.2
137.5°	1533.0	1552.6	1630.8	1709.1	1630.8	1552.6	1533.0	1401.8	1226.9	1139.4	1083.8
140°	1474.1	1492.4	1565.6	1638.7	1565.6	1492.4	1474.1	1360.8	1209.6	1134.1	1084.9
142.5°	1432.8	1448.5	1511.4	1574.4	1511.4	1448.5	1432.8	1333.2	1200.5	1134.1	1088.8
145°	1370.7	1382.7	1430.3	1477.9	1430.3	1382.7	1370.7	1289.3	1180.7	1126.4	1088.8
147.5°	1318.7	1328.5	1368.1	1407.5	1368.1	1328.5	1318.7	1254.6	1169.1	1126.4	1096.3
150°	1288.8	1296.8	1328.8	1360.8	1328.8	1296.8	1288.8	1234.7	1162.5	1126.4	1100.2
152.5°	1265.0	1271.1	1295.2	1319.4	1295.2	1271.1	1265.0	1218.8	1157.2	1126.4	1102.7
155°	1236.7	1240.8	1256.8	1272.7	1256.8	1240.8	1236.7	1200.0	1151.0	1126.4	1108.4
157.5°	1212.2	1214.9	1226.2	1237.4	1226.2	1214.9	1212.2	1183.6	1145.4	1126.4	1114.0
160°	1200.0	1201.5	1208.0	1214.5	1208.0	1201.5	1200.0	1175.4	1142.8	1126.4	1116.5
162.5°	1188.4	1190.0	1196.1	1202.2	1196.1	1190.0	1188.4	1167.7	1140.2	1126.4	1119.3
165°	1170.9	1172.5	1179.0	1185.4	1179.0	1172.5	1170.9	1156.1	1136.3	1126.4	1123.2
167.5°	1163.2	1163.9	1166.5	1169.3	1166.5	1163.9	1163.2	1153.5	1140.6	1134.1	1131.3
170°	1163.2	1163.2	1163.2	1163.2	1163.2	1163.2	1163.2	1153.5	1140.6	1134.1	1133.9
172.5°	1157.1	1156.5	1154.1	1151.7	1154.1	1156.5	1157.1	1149.4	1139.2	1134.1	1134.1
175°	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1143.9	1137.4	1134.1	1135.7
177.5°	1147.1	1146.4	1143.8	1141.0	1143.8	1146.4	1147.1	1143.3	1138.1	1135.6	1136.8
180°	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0	1141.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1544.1	1551.5	1555.9	1561.8	1576.6
5°	1484.9	1513.0	1521.9	1544.1	1570.7
7.5°	1354.8	1440.5	1464.2	1517.5	1558.9
10°	1229.0	1314.8	1356.2	1482.0	1544.1
12.5°	1165.5	1215.7	1243.8	1419.8	1523.4
15°	1125.5	1161.0	1181.7	1337.0	1499.7
17.5°	1094.5	1119.6	1134.4	1255.7	1467.2
20°	1075.2	1087.1	1100.4	1196.5	1430.2
22.5°	1061.9	1054.5	1064.9	1155.1	1379.9
25°	1053.0	1024.9	1036.8	1122.6	1320.7
27.5°	1060.4	998.3	1002.8	1093.0	1258.6
30°	1061.9	965.8	967.3	1061.9	1189.1
32.5°	1051.6	931.8	933.2	1023.5	1110.7
35°	1026.4	891.8	890.4	979.1	1004.2
37.5°	992.4	848.9	848.9	930.3	887.4
40°	951.0	806.1	810.5	866.7	783.9
42.5°	900.7	760.2	766.1	782.4	707.0
45°	846.0	715.8	720.3	661.1	647.8
47.5°	785.3	670.0	671.5	548.7	628.6
50°	712.9	622.7	616.7	470.3	627.1
52.5°	649.3	570.9	553.1	426.0	569.4
55°	587.2	516.2	477.7	391.9	528.0
57.5°	532.4	445.2	408.2	352.0	519.1
60°	482.2	375.7	347.6	309.1	476.2
62.5°	440.7	323.9	318.0	279.5	431.9
65°	396.4	288.4	286.9	254.4	366.8
67.5°	353.5	264.7	263.3	230.7	279.5
70°	307.6	239.6	236.6	205.6	207.1
72.5°	260.3	211.5	208.5	184.9	171.6
75°	213.0	179.0	177.5	161.2	139.0
77.5°	167.1	142.0	144.9	130.2	102.1
80°	119.8	103.5	106.5	93.2	76.9
82.5°	79.9	68.0	71.0	59.2	51.8
85°	44.4	38.5	39.9	31.1	23.7
87.5°	20.7	17.7	17.7	11.8	7.4
90°	33.6	21.4	19.9	13.8	7.7
92.5°	207.8	147.8	134.8	82.7	30.7
95°	511.2	287.9	264.1	168.8	73.6
97.5°	688.6	316.2	295.2	211.1	127.1
100°	753.2	340.0	320.9	244.7	168.5
102.5°	782.9	363.7	346.0	274.8	203.7
105°	804.8	398.9	383.8	323.7	263.5
107.5°	808.9	451.0	437.0	380.8	324.7
110°	802.7	480.1	467.4	416.7	366.0



TEST NUMBER: P935588

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	803.0	515.4	503.3	454.9	406.6
115°	810.5	568.2	557.1	512.4	467.9
117.5°	825.5	619.5	609.3	568.9	528.4
120°	837.7	649.4	639.8	601.8	563.6
122.5°	855.4	684.6	675.0	636.6	598.1
125°	879.1	729.7	721.0	686.0	650.9
127.5°	902.9	773.4	764.5	729.1	693.7
130°	920.1	802.5	792.9	754.9	716.7
132.5°	934.2	826.3	816.7	778.6	740.5
135°	949.5	853.8	845.1	810.4	775.7
137.5°	972.5	889.1	880.5	846.1	811.7
140°	986.5	912.7	904.9	873.2	841.6
142.5°	998.3	930.4	923.1	893.8	864.5
145°	1013.6	957.2	950.8	925.3	899.7
147.5°	1036.1	990.9	984.7	959.9	935.0
150°	1047.8	1008.5	1002.9	980.5	958.0
152.5°	1055.5	1020.0	1015.8	998.7	981.7
155°	1072.3	1045.3	1042.1	1029.6	1017.0
157.5°	1089.1	1070.5	1067.4	1055.2	1043.0
160°	1096.8	1082.0	1079.7	1070.1	1060.5
162.5°	1105.0	1094.3	1092.5	1085.3	1078.2
165°	1116.7	1111.9	1110.3	1103.8	1097.3
167.5°	1125.9	1121.9	1121.1	1118.0	1115.0
170°	1133.6	1133.3	1132.5	1129.5	1126.4
172.5°	1134.1	1134.1	1133.9	1133.2	1132.5
175°	1138.7	1141.0	1141.0	1141.0	1141.0
177.5°	1139.2	1141.0	1141.0	1141.0	1141.0
180°	1141.0	1141.0	1141.0	1141.0	1141.0



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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	11.16	11.91	12.24	12.98	14.45	13.99	14.73	15.06	15.81	17.27
	3H	11.63	12.30	12.71	13.38	14.86	15.32	15.99	16.41	17.07	18.56
	4H	11.82	12.45	12.91	13.53	15.02	15.76	16.39	16.85	17.48	18.97
	6H	11.93	12.51	13.03	13.60	15.10	16.04	16.62	17.14	17.71	19.21
	8H	11.93	12.48	13.03	13.59	15.08	16.11	16.66	17.21	17.76	19.26
	12H	11.90	12.42	13.01	13.52	15.04	16.14	16.67	17.25	17.76	19.28
4H	2H	12.18	12.81	13.28	13.90	15.39	14.38	15.02	15.48	16.10	17.59
	3H	13.20	13.72	14.30	14.83	16.34	15.88	16.40	16.98	17.51	19.02
	4H	13.47	13.95	14.58	15.05	16.58	16.40	16.88	17.51	17.98	19.51
	6H	13.59	14.00	14.71	15.13	16.64	16.76	17.17	17.87	18.29	19.81
	8H	13.59	13.98	14.71	15.09	16.62	16.86	17.25	17.98	18.36	19.89
	12H	13.55	13.90	14.69	15.03	16.57	16.91	17.26	18.04	18.39	19.92
8H	4H	13.91	14.30	15.03	15.41	16.95	16.51	16.90	17.63	18.02	19.55
	6H	14.17	14.49	15.31	15.65	17.17	16.94	17.26	18.08	18.42	19.95
	8H	14.21	14.49	15.36	15.63	17.18	17.09	17.37	18.24	18.51	20.06
	12H	14.19	14.43	15.34	15.57	17.15	17.19	17.43	18.34	18.57	20.15
12H	4H	13.91	14.26	15.05	15.39	16.93	16.47	16.82	17.61	17.95	19.49
	6H	14.23	14.51	15.37	15.65	17.19	16.94	17.22	18.09	18.36	19.91
	8H	14.29	14.53	15.44	15.67	17.25	17.09	17.34	18.24	18.48	20.06