

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: P935493

Luminaire Tested: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

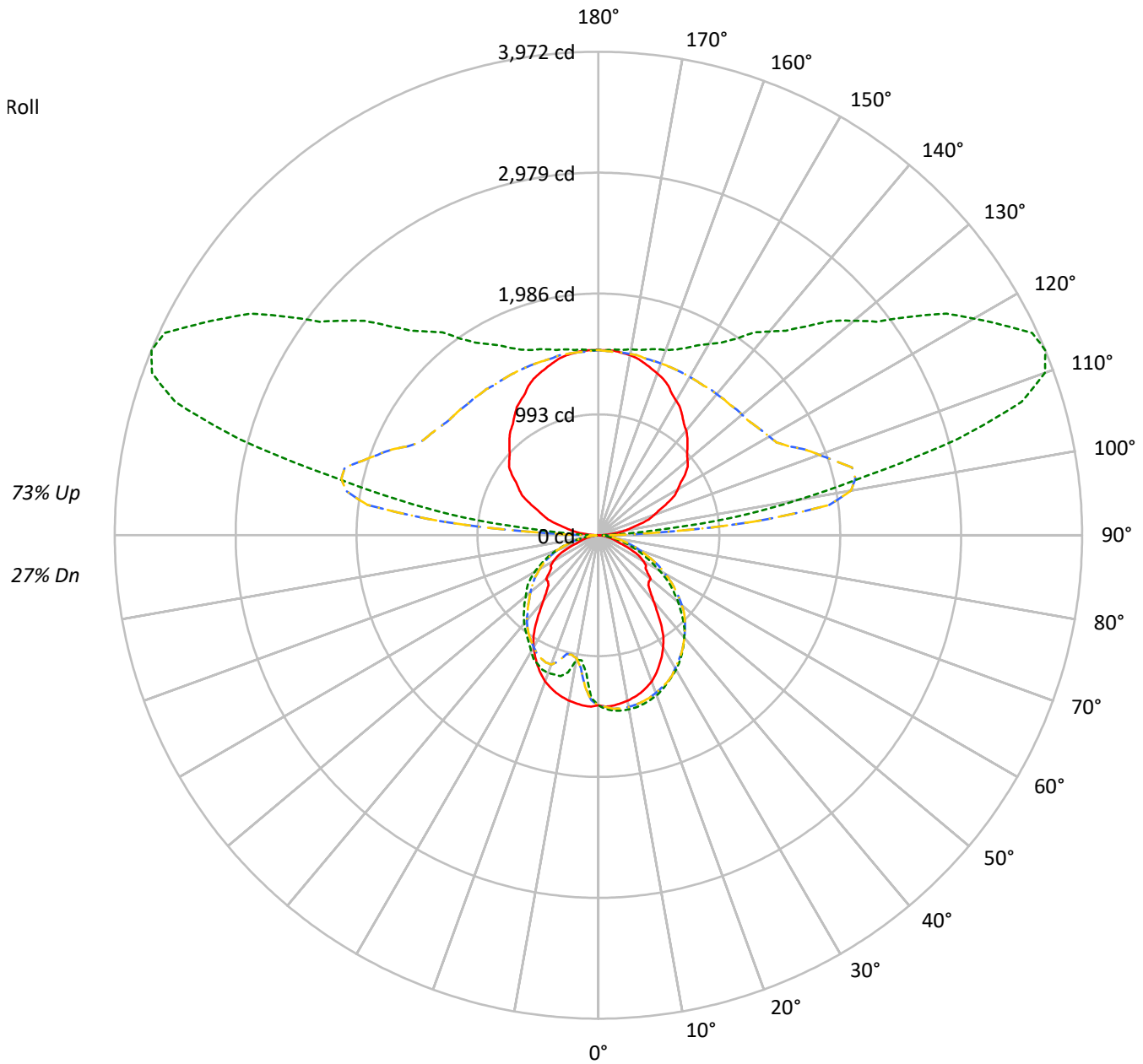
Test Method: LM-79-2019  
Report Number: P935493  
REPORT IS A COMBINATION OF REPORTS P933756 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13492.4 lumens  
Efficiency: N/A  
Efficacy: 141.7 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): 95.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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			20			20	
RC	80				70				50			30			10			0			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27			27
	1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23			23
	2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19			19
	3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16			16
	4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14			14
	5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12			12
	6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10			10
	7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9			9
	8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8			8
	9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7			7
	10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7			7

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6486	6486	6486	6486
5°	6535	6547	6535	5148
10°	6490	6449	6490	4611
15°	6420	6309	6420	5269
20°	6285	6144	6285	5280
25°	6011	5903	6011	5168
30°	5656	5702	5656	4922
35°	5042	5448	5042	4652
40°	4201	5150	4201	4448
45°	3754	4800	3754	4214
50°	3988	4384	3988	3978
55°	3752	3935	3752	3842
60°	3868	3342	3868	3519
65°	3506	2763	3506	3089
70°	2429	2202	2429	2589
75°	2129	1628	2129	1949
80°	1714	1076	1714	1172
85°	987	570	987	485

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5753 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.2	0.9
10°-20°	358.3	2.7
20°-30°	553.8	4.1
30°-40°	661.2	4.9
40°-50°	665.0	4.9
50°-60°	578.7	4.3
60°-70°	410.3	3.0
70°-80°	217.1	1.6
80°-90°	59.9	0.4
90°-100°	741.6	5.5
100°-110°	1949.6	14.4
110°-120°	2021.5	15.0
120°-130°	1621.5	12.0
130°-140°	1272.3	9.4
140°-150°	976.6	7.2
150°-160°	703.3	5.2
160°-170°	430.3	3.2
170°-180°	145.4	1.1
0°-30°	1038.3	7.7
0°-40°	1699.5	12.6
0°-60°	2943.1	21.8
0°-90°	3630.3	26.9
90°-120°	4712.7	34.9
90°-150°	8583.1	63.6
90°-180°	9862.0	73.1
0°-180°	13492.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1398	1398	1398	1398	1398	
5°	1405	1448	1405	1139	1405	133
15°	1341	1435	1341	1198	1341	377
25°	1181	1338	1181	1172	1181	542
35°	898	1194	898	1020	898	556
45°	579	984	579	864	579	464
55°	472	726	472	709	472	434
65°	328	438	328	489	328	313
75°	124	208	124	249	124	131
85°	21	53	21	45	21	29
90°	10	39	10	39	10	9
95°	98	448	98	448	98	109
105°	351	3053	351	3053	351	372
115°	624	3931	624	3931	624	616
125°	868	3130	868	3130	868	771
135°	1034	2429	1034	2429	1034	800
145°	1200	1970	1200	1970	1200	752
155°	1356	1697	1356	1697	1356	623
165°	1463	1581	1463	1581	1463	413
175°	1521	1532	1521	1532	1521	144
180°	1521	1521	1521	1521	1521	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1409.8	1409.8	1417.8	1420.4	1420.4	1416.4	1412.4	1416.4	1428.3	1432.3	1431.0
5°	1404.6	1415.1	1429.7	1432.3	1434.9	1433.6	1431.0	1433.6	1446.9	1449.5	1450.8
7.5°	1393.9	1413.8	1432.3	1436.3	1440.3	1436.3	1434.9	1437.6	1450.8	1453.5	1453.5
10°	1380.7	1408.5	1429.7	1432.3	1436.3	1432.3	1432.3	1437.6	1450.8	1453.5	1454.7
12.5°	1362.2	1400.5	1420.4	1423.0	1428.3	1427.0	1425.7	1431.0	1444.2	1446.9	1446.9
15°	1341.1	1386.0	1404.6	1407.1	1416.4	1413.8	1413.8	1419.1	1433.6	1437.6	1436.3
17.5°	1312.0	1367.5	1388.7	1392.6	1399.2	1398.0	1399.2	1404.6	1417.8	1420.4	1421.7
20°	1278.8	1342.3	1367.5	1371.4	1378.0	1378.0	1378.0	1384.6	1398.0	1403.2	1403.2
22.5°	1233.9	1315.9	1342.3	1345.0	1353.0	1353.0	1355.6	1364.8	1376.8	1378.0	1378.0
25°	1181.0	1286.8	1309.3	1317.2	1325.2	1329.1	1333.1	1338.4	1342.3	1341.1	1342.3
27.5°	1125.5	1249.8	1278.8	1284.2	1294.7	1298.8	1304.0	1305.4	1306.6	1310.6	1308.0
30°	1063.3	1198.2	1241.9	1247.2	1264.3	1267.0	1261.7	1264.3	1271.0	1273.6	1276.3
32.5°	993.2	1121.5	1203.5	1215.4	1231.3	1223.3	1222.0	1226.0	1236.5	1236.5	1239.2
35°	898.0	1062.0	1167.8	1178.4	1190.3	1181.0	1186.4	1187.6	1194.2	1198.2	1196.9
37.5°	793.5	1010.5	1130.7	1138.7	1148.0	1136.1	1144.0	1148.0	1153.2	1150.6	1150.6
40°	700.9	929.7	1087.2	1092.4	1100.4	1091.1	1099.0	1101.7	1104.3	1101.7	1100.4
42.5°	632.1	841.2	1040.8	1047.4	1042.1	1048.8	1051.4	1056.7	1052.8	1047.4	1047.4
45°	579.3	817.3	990.5	998.5	990.5	1001.2	1005.1	1005.1	993.2	990.5	989.3
47.5°	562.1	769.7	940.3	940.3	936.3	949.6	956.2	947.0	935.0	931.1	931.1
50°	560.7	716.8	871.5	866.3	884.7	900.6	894.0	884.7	875.5	861.0	861.0
52.5°	509.2	652.0	783.0	802.8	831.9	841.2	830.5	821.3	805.5	798.8	793.5
55°	472.1	584.6	702.2	742.0	772.3	784.3	764.4	755.2	731.3	727.4	724.7
57.5°	464.2	486.7	628.2	678.5	715.4	714.2	702.2	685.1	665.3	661.3	659.9
60°	425.9	351.8	548.8	608.4	646.7	642.8	632.1	616.2	597.8	595.1	592.5
62.5°	386.2	255.3	458.9	526.3	580.6	579.3	570.0	546.2	532.9	526.3	521.1
65°	327.9	214.3	326.7	437.8	515.8	518.4	498.6	481.4	466.9	458.9	457.6
67.5°	250.0	174.6	220.9	365.0	453.7	451.0	425.9	418.0	399.4	395.5	387.5
70°	185.2	116.3	153.4	296.3	392.8	386.2	366.3	357.1	339.9	330.6	325.4
72.5°	153.4	93.9	112.4	230.1	330.6	322.7	305.5	294.9	280.4	272.4	267.1
75°	124.3	99.2	86.0	170.6	268.5	263.2	247.3	236.7	224.8	214.3	215.5
77.5°	91.3	92.6	68.7	125.6	213.0	205.0	195.7	182.5	177.2	166.6	166.6
80°	68.7	72.8	51.6	86.0	153.4	153.4	145.4	136.3	127.0	121.7	121.7
82.5°	46.2	46.2	38.4	54.2	104.5	100.5	95.2	92.6	87.3	84.6	84.6
85°	21.2	26.4	23.8	33.0	56.9	59.6	59.6	56.9	55.5	52.9	54.2
87.5°	6.6	11.9	14.6	18.5	29.1	30.5	31.7	31.7	31.7	33.0	33.0
90°	10.3	18.4	26.5	28.6	45.0	66.8	77.6	68.9	51.7	38.7	38.7
92.5°	40.8	110.2	179.7	197.1	277.1	383.7	437.0	383.0	275.0	193.9	186.3
95°	98.0	225.1	352.2	383.9	681.7	1078.8	1277.3	1139.8	864.8	658.5	635.2
97.5°	169.5	281.6	393.7	421.7	918.3	1580.4	1911.4	1824.5	1650.7	1520.3	1475.8
100°	224.6	326.3	427.9	453.4	1004.3	1739.0	2106.4	2112.7	2125.4	2135.0	2082.0
102.5°	271.5	366.4	461.3	485.0	1043.9	1789.0	2161.5	2272.2	2493.7	2659.7	2614.4
105°	351.2	431.6	511.8	531.9	1073.1	1794.6	2155.4	2403.6	2900.0	3272.3	3248.0
107.5°	433.0	507.8	582.6	601.4	1078.5	1714.8	2032.8	2379.1	3071.6	3590.9	3596.8
110°	488.1	555.7	623.3	640.2	1070.4	1644.0	1930.8	2317.9	3092.0	3672.6	3698.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	542.2	606.6	671.1	687.1	1070.7	1582.1	1837.8	2234.0	3026.2	3620.5	3659.5
115°	623.8	683.3	742.7	757.5	1080.6	1511.2	1726.6	2108.2	2871.4	3443.9	3498.0
117.5°	704.5	758.5	812.5	826.0	1100.7	1466.9	1650.0	1994.4	2683.2	3199.9	3259.9
120°	751.4	802.3	853.1	865.8	1116.9	1451.9	1619.3	1934.0	2563.4	3035.5	3093.8
122.5°	797.4	848.7	899.9	912.7	1140.4	1444.0	1595.8	1879.2	2446.1	2871.1	2928.6
125°	867.9	914.6	961.4	973.0	1172.1	1437.6	1570.3	1811.1	2292.5	2653.6	2706.6
127.5°	925.1	972.3	1019.4	1031.3	1203.8	1433.8	1548.9	1755.6	2169.0	2479.0	2523.7
130°	955.6	1006.5	1057.3	1070.0	1226.9	1436.1	1540.7	1724.7	2092.8	2368.8	2410.1
132.5°	987.3	1038.2	1088.9	1101.7	1245.6	1437.6	1533.5	1698.3	2027.7	2274.8	2311.8
135°	1034.3	1080.6	1126.9	1138.4	1266.0	1436.2	1521.3	1659.2	1935.1	2142.1	2173.9
137.5°	1082.2	1128.1	1173.9	1185.4	1296.7	1445.1	1519.2	1635.9	1869.2	2044.1	2070.2
140°	1122.1	1164.3	1206.5	1217.0	1315.4	1446.6	1512.1	1612.9	1814.3	1965.5	1989.8
142.5°	1152.7	1191.8	1230.7	1240.5	1331.0	1451.8	1512.1	1600.6	1777.6	1910.3	1931.3
145°	1199.7	1233.7	1267.8	1276.3	1351.5	1451.8	1501.9	1574.2	1719.1	1827.6	1843.5
147.5°	1246.7	1279.8	1313.0	1321.2	1381.5	1461.7	1501.9	1558.9	1672.7	1758.2	1771.3
150°	1277.3	1307.2	1337.2	1344.7	1397.1	1467.0	1501.9	1550.0	1646.2	1718.4	1729.0
152.5°	1308.9	1331.6	1354.3	1360.0	1407.3	1470.3	1501.9	1543.0	1625.1	1686.8	1694.8
155°	1355.9	1372.7	1389.5	1393.7	1429.8	1477.8	1501.9	1534.6	1600.0	1649.0	1654.3
157.5°	1390.7	1406.9	1423.3	1427.3	1452.2	1485.3	1501.9	1527.3	1578.1	1616.3	1620.0
160°	1414.1	1426.8	1439.6	1442.7	1462.4	1488.8	1501.9	1523.7	1567.2	1599.9	1602.1
162.5°	1437.6	1447.1	1456.6	1459.0	1473.3	1492.3	1501.9	1520.2	1557.0	1584.6	1586.7
165°	1463.1	1471.8	1480.4	1482.5	1489.0	1497.5	1501.9	1515.1	1541.4	1561.1	1563.3
167.5°	1486.6	1490.6	1494.8	1495.8	1501.2	1508.5	1512.1	1520.7	1538.0	1550.9	1551.8
170°	1501.9	1506.0	1510.2	1511.1	1511.4	1511.9	1512.1	1520.7	1538.0	1550.9	1550.9
172.5°	1510.1	1510.9	1511.9	1512.1	1512.1	1512.1	1512.1	1518.9	1532.5	1542.8	1542.0
175°	1521.3	1521.3	1521.3	1521.3	1518.2	1514.2	1512.1	1516.5	1525.0	1531.6	1531.6
177.5°	1521.3	1521.3	1521.3	1521.3	1518.9	1515.8	1514.2	1517.6	1524.4	1529.5	1528.6
180°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1433.6	1429.7	1433.6	1431.0	1432.3	1428.3	1416.4	1412.4	1416.4	1420.4	1420.4
5°	1450.8	1448.1	1450.8	1450.8	1449.5	1446.9	1433.6	1431.0	1433.6	1434.9	1432.3
7.5°	1456.1	1452.2	1456.1	1453.5	1453.5	1450.8	1437.6	1434.9	1436.3	1440.3	1436.3
10°	1456.1	1452.2	1456.1	1454.7	1453.5	1450.8	1437.6	1432.3	1432.3	1436.3	1432.3
12.5°	1449.5	1446.9	1449.5	1446.9	1446.9	1444.2	1431.0	1425.7	1427.0	1428.3	1423.0
15°	1438.9	1434.9	1438.9	1436.3	1437.6	1433.6	1419.1	1413.8	1413.8	1416.4	1407.1
17.5°	1423.0	1417.8	1423.0	1421.7	1420.4	1417.8	1404.6	1399.2	1398.0	1399.2	1392.6
20°	1404.6	1400.5	1404.6	1403.2	1403.2	1398.0	1384.6	1378.0	1378.0	1378.0	1371.4
22.5°	1375.5	1371.4	1375.5	1378.0	1378.0	1376.8	1364.8	1355.6	1353.0	1353.0	1345.0
25°	1342.3	1338.4	1342.3	1342.3	1341.1	1342.3	1338.4	1333.1	1329.1	1325.2	1317.2
27.5°	1310.6	1308.0	1310.6	1308.0	1310.6	1306.6	1305.4	1304.0	1298.8	1294.7	1284.2
30°	1278.8	1276.3	1278.8	1276.3	1273.6	1271.0	1264.3	1261.7	1267.0	1264.3	1247.2
32.5°	1239.2	1236.5	1239.2	1239.2	1236.5	1236.5	1226.0	1222.0	1223.3	1231.3	1215.4
35°	1198.2	1194.2	1198.2	1196.9	1198.2	1194.2	1187.6	1186.4	1181.0	1190.3	1178.4
37.5°	1150.6	1146.6	1150.6	1150.6	1150.6	1153.2	1148.0	1144.0	1136.1	1148.0	1138.7
40°	1101.7	1096.3	1101.7	1100.4	1101.7	1104.3	1101.7	1099.0	1091.1	1100.4	1092.4
42.5°	1046.1	1044.8	1046.1	1047.4	1047.4	1052.8	1056.7	1051.4	1048.8	1042.1	1047.4
45°	986.6	983.9	986.6	989.3	990.5	993.2	1005.1	1005.1	1001.2	990.5	998.5
47.5°	923.1	916.5	923.1	931.1	931.1	935.0	947.0	956.2	949.6	936.3	940.3
50°	855.7	857.0	855.7	861.0	861.0	875.5	884.7	894.0	900.6	884.7	866.3
52.5°	789.6	788.2	789.6	793.5	798.8	805.5	821.3	830.5	841.2	831.9	802.8
55°	723.4	726.1	723.4	724.7	727.4	731.3	755.2	764.4	784.3	772.3	742.0
57.5°	657.3	653.3	657.3	659.9	661.3	665.3	685.1	702.2	714.2	715.4	678.5
60°	580.6	575.3	580.6	592.5	595.1	597.8	616.2	632.1	642.8	646.7	608.4
62.5°	513.1	503.8	513.1	521.1	526.3	532.9	546.2	570.0	579.3	580.6	526.3
65°	441.7	437.8	441.7	457.6	458.9	466.9	481.4	498.6	518.4	515.8	437.8
67.5°	376.9	376.9	376.9	387.5	395.5	399.4	418.0	425.9	451.0	453.7	365.0
70°	317.4	316.1	317.4	325.4	330.6	339.9	357.1	366.3	386.2	392.8	296.3
72.5°	260.5	259.2	260.5	267.1	272.4	280.4	294.9	305.5	322.7	330.6	230.1
75°	210.3	207.7	210.3	215.5	214.3	224.8	236.7	247.3	263.2	268.5	170.6
77.5°	161.3	161.3	161.3	166.6	166.6	177.2	182.5	195.7	205.0	213.0	125.6
80°	120.4	119.0	120.4	121.7	121.7	127.0	136.3	145.4	153.4	153.4	86.0
82.5°	84.6	82.0	84.6	84.6	84.6	87.3	92.6	95.2	100.5	104.5	54.2
85°	52.9	52.9	52.9	54.2	52.9	55.5	56.9	59.6	59.6	56.9	33.0
87.5°	34.4	33.0	34.4	33.0	33.0	31.7	31.7	31.7	30.5	29.1	18.5
90°	38.7	38.7	38.7	38.7	38.7	51.7	68.9	77.6	66.8	45.0	28.6
92.5°	155.4	124.5	155.4	186.3	193.9	275.0	383.0	437.0	383.7	277.1	197.1
95°	541.7	448.2	541.7	635.2	658.5	864.8	1139.8	1277.3	1078.8	681.7	383.9
97.5°	1298.0	1120.1	1298.0	1475.8	1520.3	1650.7	1824.5	1911.4	1580.4	918.3	421.7
100°	1870.0	1658.2	1870.0	2082.0	2135.0	2125.4	2112.7	2106.4	1739.0	1004.3	453.4
102.5°	2432.9	2251.3	2432.9	2614.4	2659.7	2493.7	2272.2	2161.5	1789.0	1043.9	485.0
105°	3150.4	3052.9	3150.4	3248.0	3272.3	2900.0	2403.6	2155.4	1794.6	1073.1	531.9
107.5°	3620.4	3644.0	3620.4	3596.8	3590.9	3071.6	2379.1	2032.8	1714.8	1078.5	601.4
110°	3799.6	3901.3	3799.6	3698.0	3672.6	3092.0	2317.9	1930.8	1644.0	1070.4	640.2





TEST NUMBER: P935493

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3815.6	3971.7	3815.6	3659.5	3620.5	3026.2	2234.0	1837.8	1582.1	1070.7	687.1
115°	3714.5	3930.9	3714.5	3498.0	3443.9	2871.4	2108.2	1726.6	1511.2	1080.6	757.5
117.5°	3499.9	3740.0	3499.9	3259.9	3199.9	2683.2	1994.4	1650.0	1466.9	1100.7	826.0
120°	3327.1	3560.2	3327.1	3093.8	3035.5	2563.4	1934.0	1619.3	1451.9	1116.9	865.8
122.5°	3158.7	3388.8	3158.7	2928.6	2871.1	2446.1	1879.2	1595.8	1444.0	1140.4	912.7
125°	2918.6	3130.5	2918.6	2706.6	2653.6	2292.5	1811.1	1570.3	1437.6	1172.1	973.0
127.5°	2702.5	2881.3	2702.5	2523.7	2479.0	2169.0	1755.6	1548.9	1433.8	1203.8	1031.3
130°	2575.2	2740.4	2575.2	2410.1	2368.8	2092.8	1724.7	1540.7	1436.1	1226.9	1070.0
132.5°	2459.8	2607.7	2459.8	2311.8	2274.8	2027.7	1698.3	1533.5	1437.6	1245.6	1101.7
135°	2301.5	2429.0	2301.5	2173.9	2142.1	1935.1	1659.2	1521.3	1436.2	1266.0	1138.4
137.5°	2174.5	2278.9	2174.5	2070.2	2044.1	1869.2	1635.9	1519.2	1445.1	1296.7	1185.4
140°	2087.5	2185.0	2087.5	1989.8	1965.5	1814.3	1612.9	1512.1	1446.6	1315.4	1217.0
142.5°	2015.2	2099.2	2015.2	1931.3	1910.3	1777.6	1600.6	1512.1	1451.8	1331.0	1240.5
145°	1907.0	1970.5	1907.0	1843.5	1827.6	1719.1	1574.2	1501.9	1451.8	1351.5	1276.3
147.5°	1824.0	1876.7	1824.0	1771.3	1758.2	1672.7	1558.9	1501.9	1461.7	1381.5	1321.2
150°	1771.7	1814.3	1771.7	1729.0	1718.4	1646.2	1550.0	1501.9	1467.0	1397.1	1344.7
152.5°	1727.0	1759.2	1727.0	1694.8	1686.8	1625.1	1543.0	1501.9	1470.3	1407.3	1360.0
155°	1675.6	1696.9	1675.6	1654.3	1649.0	1600.0	1534.6	1501.9	1477.8	1429.8	1393.7
157.5°	1635.0	1650.0	1635.0	1620.0	1616.3	1578.1	1527.3	1501.9	1485.3	1452.2	1427.3
160°	1610.6	1619.3	1610.6	1602.1	1599.9	1567.2	1523.7	1501.9	1488.8	1462.4	1442.7
162.5°	1594.9	1603.0	1594.9	1586.7	1584.6	1557.0	1520.2	1501.9	1492.3	1473.3	1459.0
165°	1571.9	1580.6	1571.9	1563.3	1561.1	1541.4	1515.1	1501.9	1497.5	1489.0	1482.5
167.5°	1555.4	1559.1	1555.4	1551.8	1550.9	1538.0	1520.7	1512.1	1508.5	1501.2	1495.8
170°	1550.9	1550.9	1550.9	1550.9	1550.9	1538.0	1520.7	1512.1	1511.9	1511.4	1511.1
172.5°	1538.8	1535.6	1538.8	1542.0	1542.8	1532.5	1518.9	1512.1	1512.1	1512.1	1512.1
175°	1531.6	1531.6	1531.6	1531.6	1531.6	1525.0	1516.5	1512.1	1514.2	1518.2	1521.3
177.5°	1524.9	1521.3	1524.9	1528.6	1529.5	1524.4	1517.6	1514.2	1515.8	1518.9	1521.3
180°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3



TEST NUMBER: P935493

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1417.8	1409.8	1409.8	1396.6	1391.3	1387.3	1380.7	1360.9	1355.6	1350.3	1358.2
5°	1429.7	1415.1	1404.6	1380.7	1360.9	1353.0	1327.8	1280.2	1248.5	1224.6	1211.4
7.5°	1432.3	1413.8	1393.9	1356.9	1309.3	1288.1	1211.4	1124.1	1100.4	1079.2	1066.0
10°	1429.7	1408.5	1380.7	1325.2	1212.8	1175.7	1099.0	1042.1	1027.6	1023.7	1027.6
12.5°	1420.4	1400.5	1362.2	1269.7	1112.2	1087.2	1042.1	1009.1	1006.4	1013.0	1048.8
15°	1404.6	1386.0	1341.1	1195.5	1056.7	1038.2	1006.4	994.6	1009.1	1055.4	1162.5
17.5°	1388.7	1367.5	1312.0	1122.9	1014.4	1001.2	978.7	1002.5	1084.5	1146.6	1182.3
20°	1367.5	1342.3	1278.8	1069.9	983.9	972.1	961.4	1068.6	1130.7	1153.2	1173.0
22.5°	1342.3	1315.9	1233.9	1032.9	952.2	943.0	949.6	1105.6	1130.7	1146.6	1163.8
25°	1309.3	1286.8	1181.0	1003.8	927.1	916.5	941.6	1101.7	1116.3	1120.2	1154.6
27.5°	1278.8	1249.8	1125.5	977.3	896.7	892.7	948.2	1084.5	1095.1	1099.0	1136.1
30°	1241.9	1198.2	1063.3	949.6	864.9	863.6	949.6	1063.3	1060.6	1071.3	1108.3
32.5°	1203.5	1121.5	993.2	915.2	834.6	833.2	940.3	1031.6	1028.9	1043.5	1071.3
35°	1167.8	1062.0	898.0	875.5	796.2	797.5	917.9	994.6	995.9	1009.1	1026.3
37.5°	1130.7	1010.5	793.5	831.9	759.1	759.1	887.4	960.2	957.5	961.4	985.3
40°	1087.2	929.7	700.9	775.0	724.7	720.8	850.4	923.1	913.8	912.5	945.6
42.5°	1040.8	841.2	632.1	699.7	685.1	679.7	805.5	878.1	861.0	864.9	907.2
45°	990.5	817.3	579.3	591.2	644.1	640.1	756.5	826.6	814.6	825.3	868.9
47.5°	940.3	769.7	562.1	490.6	600.5	599.1	702.2	776.3	769.7	780.3	826.6
50°	871.5	716.8	560.7	420.5	551.5	556.8	637.4	727.4	727.4	736.6	785.5
52.5°	783.0	652.0	509.2	380.9	494.6	510.5	580.6	685.1	687.7	697.0	740.6
55°	702.2	584.6	472.1	350.4	427.1	461.5	525.0	641.4	646.7	656.0	695.6
57.5°	628.2	486.7	464.2	314.7	365.0	398.0	476.1	599.1	601.8	609.6	648.0
60°	548.8	351.8	425.9	276.4	310.8	335.9	431.2	548.8	558.1	563.4	596.4
62.5°	458.9	255.3	386.2	250.0	284.4	289.6	394.1	501.3	513.1	517.2	537.0
65°	326.7	214.3	327.9	227.5	256.6	257.9	354.5	452.3	462.9	469.5	484.0
67.5°	220.9	174.6	250.0	206.3	235.5	236.7	316.1	395.5	410.0	415.3	424.6
70°	153.4	116.3	185.2	183.8	211.6	214.3	275.1	343.8	357.1	361.1	366.3
72.5°	112.4	93.9	153.4	165.4	186.5	189.1	232.8	285.6	298.9	302.9	305.5
75°	86.0	99.2	124.3	144.2	158.7	160.0	190.4	232.8	242.1	244.6	246.0
77.5°	68.7	92.6	91.3	116.3	129.6	127.0	149.5	179.8	187.8	187.8	187.8
80°	51.6	72.8	68.7	83.3	95.2	92.6	107.1	128.3	130.9	133.6	132.2
82.5°	38.4	46.2	46.2	52.9	63.5	60.8	71.4	83.3	83.3	83.3	86.0
85°	23.8	26.4	21.2	27.8	35.7	34.4	39.6	45.0	46.2	46.2	43.7
87.5°	14.6	11.9	6.6	10.6	15.9	15.9	18.5	19.8	18.5	18.5	18.5
90°	26.5	18.4	10.3	18.4	26.5	28.6	45.0	66.8	77.6	68.9	51.7
92.5°	179.7	110.2	40.8	110.2	179.7	197.1	277.1	383.7	437.0	383.0	275.0
95°	352.2	225.1	98.0	225.1	352.2	383.9	681.7	1078.8	1277.3	1139.8	864.8
97.5°	393.7	281.6	169.5	281.6	393.7	421.7	918.3	1580.4	1911.4	1824.5	1650.7
100°	427.9	326.3	224.6	326.3	427.9	453.4	1004.3	1739.0	2106.4	2112.7	2125.4
102.5°	461.3	366.4	271.5	366.4	461.3	485.0	1043.9	1789.0	2161.5	2272.2	2493.7
105°	511.8	431.6	351.2	431.6	511.8	531.9	1073.1	1794.6	2155.4	2403.6	2900.0
107.5°	582.6	507.8	433.0	507.8	582.6	601.4	1078.5	1714.8	2032.8	2379.1	3071.6
110°	623.3	555.7	488.1	555.7	623.3	640.2	1070.4	1644.0	1930.8	2317.9	3092.0



TEST NUMBER: P935493

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	671.1	606.6	542.2	606.6	671.1	687.1	1070.7	1582.1	1837.8	2234.0	3026.2
115°	742.7	683.3	623.8	683.3	742.7	757.5	1080.6	1511.2	1726.6	2108.2	2871.4
117.5°	812.5	758.5	704.5	758.5	812.5	826.0	1100.7	1466.9	1650.0	1994.4	2683.2
120°	853.1	802.3	751.4	802.3	853.1	865.8	1116.9	1451.9	1619.3	1934.0	2563.4
122.5°	899.9	848.7	797.4	848.7	899.9	912.7	1140.4	1444.0	1595.8	1879.2	2446.1
125°	961.4	914.6	867.9	914.6	961.4	973.0	1172.1	1437.6	1570.3	1811.1	2292.5
127.5°	1019.4	972.3	925.1	972.3	1019.4	1031.3	1203.8	1433.8	1548.9	1755.6	2169.0
130°	1057.3	1006.5	955.6	1006.5	1057.3	1070.0	1226.9	1436.1	1540.7	1724.7	2092.8
132.5°	1088.9	1038.2	987.3	1038.2	1088.9	1101.7	1245.6	1437.6	1533.5	1698.3	2027.7
135°	1126.9	1080.6	1034.3	1080.6	1126.9	1138.4	1266.0	1436.2	1521.3	1659.2	1935.1
137.5°	1173.9	1128.1	1082.2	1128.1	1173.9	1185.4	1296.7	1445.1	1519.2	1635.9	1869.2
140°	1206.5	1164.3	1122.1	1164.3	1206.5	1217.0	1315.4	1446.6	1512.1	1612.9	1814.3
142.5°	1230.7	1191.8	1152.7	1191.8	1230.7	1240.5	1331.0	1451.8	1512.1	1600.6	1777.6
145°	1267.8	1233.7	1199.7	1233.7	1267.8	1276.3	1351.5	1451.8	1501.9	1574.2	1719.1
147.5°	1313.0	1279.8	1246.7	1279.8	1313.0	1321.2	1381.5	1461.7	1501.9	1558.9	1672.7
150°	1337.2	1307.2	1277.3	1307.2	1337.2	1344.7	1397.1	1467.0	1501.9	1550.0	1646.2
152.5°	1354.3	1331.6	1308.9	1331.6	1354.3	1360.0	1407.3	1470.3	1501.9	1543.0	1625.1
155°	1389.5	1372.7	1355.9	1372.7	1389.5	1393.7	1429.8	1477.8	1501.9	1534.6	1600.0
157.5°	1423.3	1406.9	1390.7	1406.9	1423.3	1427.3	1452.2	1485.3	1501.9	1527.3	1578.1
160°	1439.6	1426.8	1414.1	1426.8	1439.6	1442.7	1462.4	1488.8	1501.9	1523.7	1567.2
162.5°	1456.6	1447.1	1437.6	1447.1	1456.6	1459.0	1473.3	1492.3	1501.9	1520.2	1557.0
165°	1480.4	1471.8	1463.1	1471.8	1480.4	1482.5	1489.0	1497.5	1501.9	1515.1	1541.4
167.5°	1494.8	1490.6	1486.6	1490.6	1494.8	1495.8	1501.2	1508.5	1512.1	1520.7	1538.0
170°	1510.2	1506.0	1501.9	1506.0	1510.2	1511.1	1511.4	1511.9	1512.1	1520.7	1538.0
172.5°	1511.9	1510.9	1510.1	1510.9	1511.9	1512.1	1512.1	1512.1	1512.1	1518.9	1532.5
175°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1518.2	1514.2	1512.1	1516.5	1525.0
177.5°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1518.9	1515.8	1514.2	1517.6	1524.4
180°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3



TEST NUMBER: P935493

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1348.9	1345.0	1350.3	1335.7	1350.3	1345.0	1348.9	1358.2	1350.3	1355.6	1360.9
5°	1183.7	1177.1	1155.9	1138.7	1155.9	1177.1	1183.7	1211.4	1224.6	1248.5	1280.2
7.5°	1058.0	1052.8	1047.4	1036.9	1047.4	1052.8	1058.0	1066.0	1079.2	1100.4	1124.1
10°	1030.3	1031.6	1039.5	1038.2	1039.5	1031.6	1030.3	1027.6	1023.7	1027.6	1042.1
12.5°	1101.7	1113.6	1157.2	1154.6	1157.2	1113.6	1101.7	1048.8	1013.0	1006.4	1009.1
15°	1183.7	1187.6	1196.9	1198.2	1196.9	1187.6	1183.7	1162.5	1055.4	1009.1	994.6
17.5°	1191.6	1193.0	1199.6	1199.6	1199.6	1193.0	1191.6	1182.3	1146.6	1084.5	1002.5
20°	1185.0	1187.6	1200.8	1203.5	1200.8	1187.6	1185.0	1173.0	1153.2	1130.7	1068.6
22.5°	1182.3	1187.6	1198.2	1196.9	1198.2	1187.6	1182.3	1163.8	1146.6	1130.7	1105.6
25°	1169.1	1169.1	1170.5	1171.8	1170.5	1169.1	1169.1	1154.6	1120.2	1116.3	1101.7
27.5°	1141.3	1144.0	1151.9	1150.6	1151.9	1144.0	1141.3	1136.1	1099.0	1095.1	1084.5
30°	1116.3	1113.6	1107.0	1101.7	1107.0	1113.6	1116.3	1108.3	1071.3	1060.6	1063.3
32.5°	1073.9	1067.2	1060.6	1056.7	1060.6	1067.2	1073.9	1071.3	1043.5	1028.9	1031.6
35°	1023.7	1024.9	1023.7	1019.6	1023.7	1024.9	1023.7	1026.3	1009.1	995.9	994.6
37.5°	988.0	990.5	989.3	983.9	989.3	990.5	988.0	985.3	961.4	957.5	960.2
40°	950.9	952.2	950.9	947.0	950.9	952.2	950.9	945.6	912.5	913.8	923.1
42.5°	915.2	913.8	909.9	907.2	909.9	913.8	915.2	907.2	864.9	861.0	878.1
45°	874.2	875.5	867.6	863.6	867.6	875.5	874.2	868.9	825.3	814.6	826.6
47.5°	833.2	833.2	826.6	822.6	826.6	833.2	833.2	826.6	780.3	769.7	776.3
50°	789.6	788.2	778.9	777.7	778.9	788.2	789.6	785.5	736.6	727.4	727.4
52.5°	739.3	739.3	740.6	743.2	740.6	739.3	739.3	740.6	697.0	687.7	685.1
55°	695.6	697.0	706.3	708.8	706.3	697.0	695.6	695.6	656.0	646.7	641.4
57.5°	650.7	650.7	657.3	657.3	657.3	650.7	650.7	648.0	609.6	601.8	599.1
60°	599.1	601.8	607.1	605.7	607.1	601.8	599.1	596.4	563.4	558.1	548.8
62.5°	544.9	547.5	548.8	546.2	548.8	547.5	544.9	537.0	517.2	513.1	501.3
65°	488.0	490.6	492.0	489.4	492.0	490.6	488.0	484.0	469.5	462.9	452.3
67.5°	429.8	428.5	427.1	432.5	427.1	428.5	429.8	424.6	415.3	410.0	395.5
70°	370.3	370.3	369.0	371.6	369.0	370.3	370.3	366.3	361.1	357.1	343.8
72.5°	306.8	305.5	310.8	306.8	310.8	305.5	306.8	305.5	302.9	298.9	285.6
75°	244.6	247.3	244.6	248.7	244.6	247.3	244.6	246.0	244.6	242.1	232.8
77.5°	186.5	189.1	186.5	186.5	186.5	189.1	186.5	187.8	187.8	187.8	179.8
80°	132.2	130.9	130.9	129.6	130.9	130.9	132.2	132.2	133.6	130.9	128.3
82.5°	84.6	83.3	83.3	86.0	83.3	83.3	84.6	86.0	83.3	83.3	83.3
85°	46.2	47.6	45.0	45.0	45.0	47.6	46.2	43.7	46.2	46.2	45.0
87.5°	17.2	15.9	15.9	15.9	15.9	15.9	17.2	18.5	18.5	18.5	19.8
90°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	51.7	68.9	77.6	66.8
92.5°	193.9	186.3	155.4	124.5	155.4	186.3	193.9	275.0	383.0	437.0	383.7
95°	658.5	635.2	541.7	448.2	541.7	635.2	658.5	864.8	1139.8	1277.3	1078.8
97.5°	1520.3	1475.8	1298.0	1120.1	1298.0	1475.8	1520.3	1650.7	1824.5	1911.4	1580.4
100°	2135.0	2082.0	1870.0	1658.2	1870.0	2082.0	2135.0	2125.4	2112.7	2106.4	1739.0
102.5°	2659.7	2614.4	2432.9	2251.3	2432.9	2614.4	2659.7	2493.7	2272.2	2161.5	1789.0
105°	3272.3	3248.0	3150.4	3052.9	3150.4	3248.0	3272.3	2900.0	2403.6	2155.4	1794.6
107.5°	3590.9	3596.8	3620.4	3644.0	3620.4	3596.8	3590.9	3071.6	2379.1	2032.8	1714.8
110°	3672.6	3698.0	3799.6	3901.3	3799.6	3698.0	3672.6	3092.0	2317.9	1930.8	1644.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3620.5	3659.5	3815.6	3971.7	3815.6	3659.5	3620.5	3026.2	2234.0	1837.8	1582.1
115°	3443.9	3498.0	3714.5	3930.9	3714.5	3498.0	3443.9	2871.4	2108.2	1726.6	1511.2
117.5°	3199.9	3259.9	3499.9	3740.0	3499.9	3259.9	3199.9	2683.2	1994.4	1650.0	1466.9
120°	3035.5	3093.8	3327.1	3560.2	3327.1	3093.8	3035.5	2563.4	1934.0	1619.3	1451.9
122.5°	2871.1	2928.6	3158.7	3388.8	3158.7	2928.6	2871.1	2446.1	1879.2	1595.8	1444.0
125°	2653.6	2706.6	2918.6	3130.5	2918.6	2706.6	2653.6	2292.5	1811.1	1570.3	1437.6
127.5°	2479.0	2523.7	2702.5	2881.3	2702.5	2523.7	2479.0	2169.0	1755.6	1548.9	1433.8
130°	2368.8	2410.1	2575.2	2740.4	2575.2	2410.1	2368.8	2092.8	1724.7	1540.7	1436.1
132.5°	2274.8	2311.8	2459.8	2607.7	2459.8	2311.8	2274.8	2027.7	1698.3	1533.5	1437.6
135°	2142.1	2173.9	2301.5	2429.0	2301.5	2173.9	2142.1	1935.1	1659.2	1521.3	1436.2
137.5°	2044.1	2070.2	2174.5	2278.9	2174.5	2070.2	2044.1	1869.2	1635.9	1519.2	1445.1
140°	1965.5	1989.8	2087.5	2185.0	2087.5	1989.8	1965.5	1814.3	1612.9	1512.1	1446.6
142.5°	1910.3	1931.3	2015.2	2099.2	2015.2	1931.3	1910.3	1777.6	1600.6	1512.1	1451.8
145°	1827.6	1843.5	1907.0	1970.5	1907.0	1843.5	1827.6	1719.1	1574.2	1501.9	1451.8
147.5°	1758.2	1771.3	1824.0	1876.7	1824.0	1771.3	1758.2	1672.7	1558.9	1501.9	1461.7
150°	1718.4	1729.0	1771.7	1814.3	1771.7	1729.0	1718.4	1646.2	1550.0	1501.9	1467.0
152.5°	1686.8	1694.8	1727.0	1759.2	1727.0	1694.8	1686.8	1625.1	1543.0	1501.9	1470.3
155°	1649.0	1654.3	1675.6	1696.9	1675.6	1654.3	1649.0	1600.0	1534.6	1501.9	1477.8
157.5°	1616.3	1620.0	1635.0	1650.0	1635.0	1620.0	1616.3	1578.1	1527.3	1501.9	1485.3
160°	1599.9	1602.1	1610.6	1619.3	1610.6	1602.1	1599.9	1567.2	1523.7	1501.9	1488.8
162.5°	1584.6	1586.7	1594.9	1603.0	1594.9	1586.7	1584.6	1557.0	1520.2	1501.9	1492.3
165°	1561.1	1563.3	1571.9	1580.6	1571.9	1563.3	1561.1	1541.4	1515.1	1501.9	1497.5
167.5°	1550.9	1551.8	1555.4	1559.1	1555.4	1551.8	1550.9	1538.0	1520.7	1512.1	1508.5
170°	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1538.0	1520.7	1512.1	1511.9
172.5°	1542.8	1542.0	1538.8	1535.6	1538.8	1542.0	1542.8	1532.5	1518.9	1512.1	1512.1
175°	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1525.0	1516.5	1512.1	1514.2
177.5°	1529.5	1528.6	1524.9	1521.3	1524.9	1528.6	1529.5	1524.4	1517.6	1514.2	1515.8
180°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1380.7	1387.3	1391.3	1396.6	1409.8
5°	1327.8	1353.0	1360.9	1380.7	1404.6
7.5°	1211.4	1288.1	1309.3	1356.9	1393.9
10°	1099.0	1175.7	1212.8	1325.2	1380.7
12.5°	1042.1	1087.2	1112.2	1269.7	1362.2
15°	1006.4	1038.2	1056.7	1195.5	1341.1
17.5°	978.7	1001.2	1014.4	1122.9	1312.0
20°	961.4	972.1	983.9	1069.9	1278.8
22.5°	949.6	943.0	952.2	1032.9	1233.9
25°	941.6	916.5	927.1	1003.8	1181.0
27.5°	948.2	892.7	896.7	977.3	1125.5
30°	949.6	863.6	864.9	949.6	1063.3
32.5°	940.3	833.2	834.6	915.2	993.2
35°	917.9	797.5	796.2	875.5	898.0
37.5°	887.4	759.1	759.1	831.9	793.5
40°	850.4	720.8	724.7	775.0	700.9
42.5°	805.5	679.7	685.1	699.7	632.1
45°	756.5	640.1	644.1	591.2	579.3
47.5°	702.2	599.1	600.5	490.6	562.1
50°	637.4	556.8	551.5	420.5	560.7
52.5°	580.6	510.5	494.6	380.9	509.2
55°	525.0	461.5	427.1	350.4	472.1
57.5°	476.1	398.0	365.0	314.7	464.2
60°	431.2	335.9	310.8	276.4	425.9
62.5°	394.1	289.6	284.4	250.0	386.2
65°	354.5	257.9	256.6	227.5	327.9
67.5°	316.1	236.7	235.5	206.3	250.0
70°	275.1	214.3	211.6	183.8	185.2
72.5°	232.8	189.1	186.5	165.4	153.4
75°	190.4	160.0	158.7	144.2	124.3
77.5°	149.5	127.0	129.6	116.3	91.3
80°	107.1	92.6	95.2	83.3	68.7
82.5°	71.4	60.8	63.5	52.9	46.2
85°	39.6	34.4	35.7	27.8	21.2
87.5°	18.5	15.9	15.9	10.6	6.6
90°	45.0	28.6	26.5	18.4	10.3
92.5°	277.1	197.1	179.7	110.2	40.8
95°	681.7	383.9	352.2	225.1	98.0
97.5°	918.3	421.7	393.7	281.6	169.5
100°	1004.3	453.4	427.9	326.3	224.6
102.5°	1043.9	485.0	461.3	366.4	271.5
105°	1073.1	531.9	511.8	431.6	351.2
107.5°	1078.5	601.4	582.6	507.8	433.0
110°	1070.4	640.2	623.3	555.7	488.1



TEST NUMBER: P935493

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1070.7	687.1	671.1	606.6	542.2
115°	1080.6	757.5	742.7	683.3	623.8
117.5°	1100.7	826.0	812.5	758.5	704.5
120°	1116.9	865.8	853.1	802.3	751.4
122.5°	1140.4	912.7	899.9	848.7	797.4
125°	1172.1	973.0	961.4	914.6	867.9
127.5°	1203.8	1031.3	1019.4	972.3	925.1
130°	1226.9	1070.0	1057.3	1006.5	955.6
132.5°	1245.6	1101.7	1088.9	1038.2	987.3
135°	1266.0	1138.4	1126.9	1080.6	1034.3
137.5°	1296.7	1185.4	1173.9	1128.1	1082.2
140°	1315.4	1217.0	1206.5	1164.3	1122.1
142.5°	1331.0	1240.5	1230.7	1191.8	1152.7
145°	1351.5	1276.3	1267.8	1233.7	1199.7
147.5°	1381.5	1321.2	1313.0	1279.8	1246.7
150°	1397.1	1344.7	1337.2	1307.2	1277.3
152.5°	1407.3	1360.0	1354.3	1331.6	1308.9
155°	1429.8	1393.7	1389.5	1372.7	1355.9
157.5°	1452.2	1427.3	1423.3	1406.9	1390.7
160°	1462.4	1442.7	1439.6	1426.8	1414.1
162.5°	1473.3	1459.0	1456.6	1447.1	1437.6
165°	1489.0	1482.5	1480.4	1471.8	1463.1
167.5°	1501.2	1495.8	1494.8	1490.6	1486.6
170°	1511.4	1511.1	1510.2	1506.0	1501.9
172.5°	1512.1	1512.1	1511.9	1510.9	1510.1
175°	1518.2	1521.3	1521.3	1521.3	1521.3
177.5°	1518.9	1521.3	1521.3	1521.3	1521.3
180°	1521.3	1521.3	1521.3	1521.3	1521.3



TEST NUMBER: P935493  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	8.65	9.33	9.78	10.46	12.03	11.48	12.17	12.62	13.30	14.86
	3H	9.11	9.72	10.25	10.86	12.44	12.82	13.43	13.96	14.57	16.15
	4H	9.29	9.88	10.44	11.01	12.60	13.26	13.84	14.41	14.97	16.56
	6H	9.40	9.94	10.56	11.07	12.67	13.53	14.07	14.69	15.21	16.81
	8H	9.40	9.91	10.56	11.06	12.65	13.60	14.11	14.77	15.27	16.86
	12H	9.36	9.85	10.53	10.99	12.61	13.64	14.12	14.80	15.27	16.88
4H	2H	9.66	10.24	10.82	11.38	12.96	11.87	12.46	13.03	13.59	15.18
	3H	10.67	11.16	11.83	12.32	13.92	13.36	13.85	14.53	15.01	16.61
	4H	10.94	11.39	12.10	12.53	14.15	13.89	14.33	15.05	15.48	17.10
	6H	11.05	11.44	12.22	12.61	14.22	14.24	14.63	15.41	15.80	17.40
	8H	11.06	11.41	12.23	12.57	14.20	14.35	14.70	15.52	15.87	17.49
	12H	11.01	11.34	12.20	12.51	14.14	14.40	14.72	15.58	15.89	17.52
8H	4H	11.38	11.74	12.55	12.90	14.52	14.00	14.35	15.17	15.51	17.14
	6H	11.63	11.93	12.82	13.13	14.75	14.43	14.72	15.62	15.93	17.55
	8H	11.67	11.93	12.87	13.11	14.76	14.58	14.83	15.77	16.02	17.66
	12H	11.65	11.88	12.85	13.06	14.73	14.67	14.90	15.87	16.07	17.75
12H	4H	11.38	11.70	12.56	12.87	14.50	13.95	14.28	15.14	15.45	17.08
	6H	11.69	11.95	12.89	13.13	14.77	14.42	14.68	15.62	15.86	17.50
	8H	11.75	11.98	12.95	13.16	14.83	14.58	14.80	15.78	15.98	17.66