

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: P935548

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

**Test Information**

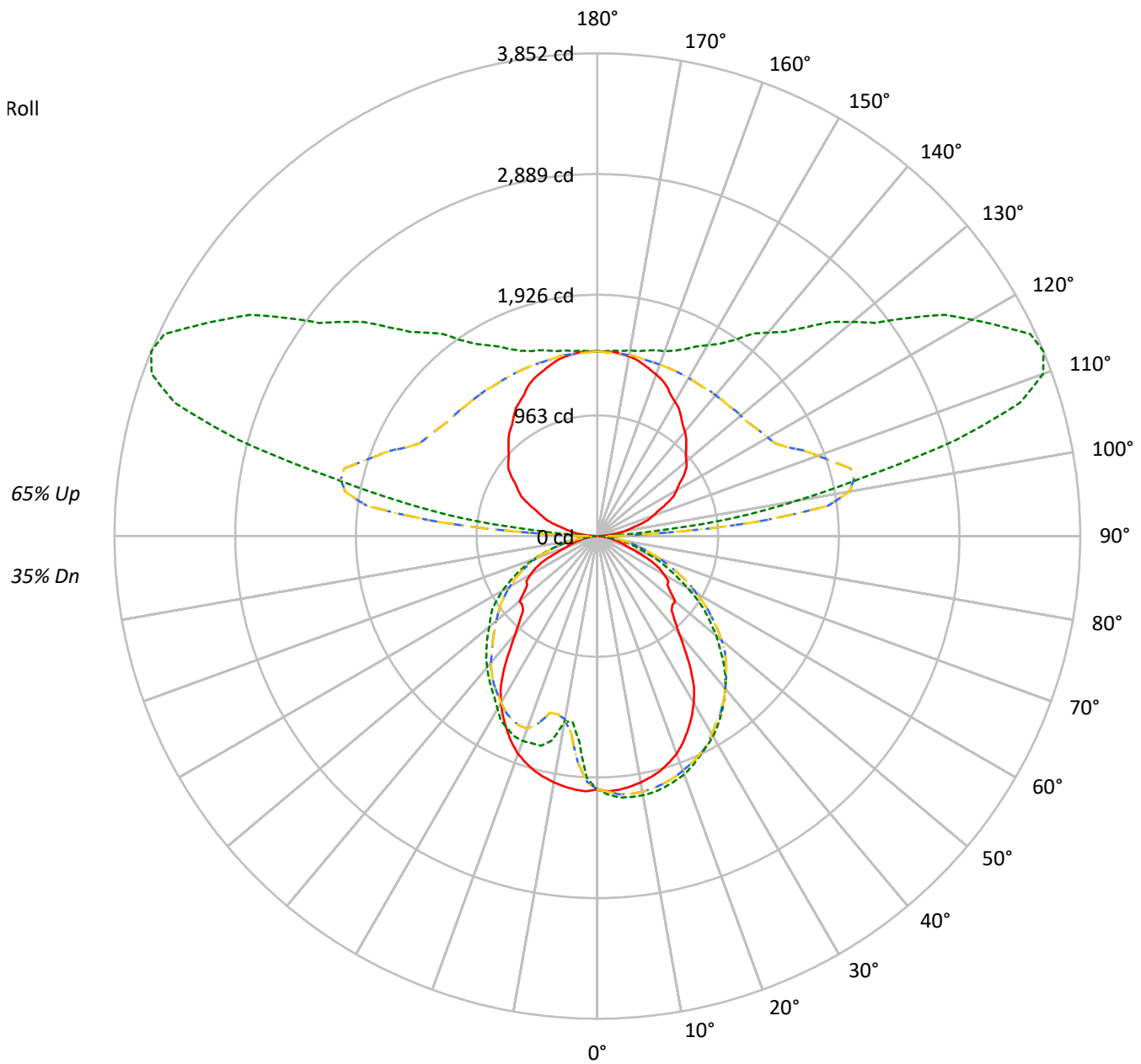
Test Method: LM-79-2019  
Report Number: P935548  
REPORT IS A COMBINATION OF REPORTS P933760 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14810.5 lumens  
Efficiency: N/A  
Efficacy: 133.2 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): 111.2  
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°	9378	9378	9378	9378
5°	9448	9467	9448	7444
10°	9385	9325	9385	6667
15°	9283	9123	9283	7618
20°	9089	8884	9089	7634
25°	8691	8534	8691	7472
30°	8178	8245	8178	7117
35°	7290	7878	7290	6727
40°	6075	7447	6075	6432
45°	5428	6941	5428	6092
50°	5767	6339	5767	5753
55°	5425	5690	5425	5555
60°	5593	4833	5593	5089
65°	5071	3995	5071	4466
70°	3511	3184	3511	3743
75°	3079	2353	3079	2818
80°	2480	1556	2480	1694
85°	1425	824	1425	700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8319 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.5	1.2
10°-20°	518.0	3.5
20°-30°	800.8	5.4
30°-40°	956.0	6.5
40°-50°	961.6	6.5
50°-60°	836.7	5.6
60°-70°	593.3	4.0
70°-80°	313.9	2.1
80°-90°	83.8	0.6
90°-100°	719.2	4.9
100°-110°	1890.7	12.8
110°-120°	1960.4	13.2
120°-130°	1572.5	10.6
130°-140°	1233.8	8.3
140°-150°	947.0	6.4
150°-160°	682.0	4.6
160°-170°	417.3	2.8
170°-180°	141.0	1.0
0°-30°	1501.3	10.1
0°-40°	2457.3	16.6
0°-60°	4255.6	28.7
0°-90°	5246.5	35.4
90°-120°	4570.3	30.9
90°-150°	8323.6	56.2
90°-180°	9564.0	64.6
0°-180°	14810.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2021	2021	2021	2021	2021	
5°	2031	2094	2031	1646	2031	193
15°	1939	2075	1939	1732	1939	546
25°	1708	1935	1708	1694	1708	784
35°	1298	1727	1298	1474	1298	803
45°	838	1423	838	1249	838	671
55°	683	1050	683	1025	683	627
65°	474	633	474	708	474	453
75°	180	300	180	360	180	189
85°	31	76	31	65	31	41
90°	10	38	10	38	10	9
95°	95	435	95	435	95	106
105°	341	2961	341	2961	341	361
115°	605	3812	605	3812	605	598
125°	842	3036	842	3036	842	747
135°	1003	2356	1003	2356	1003	776
145°	1163	1911	1163	1911	1163	729
155°	1315	1646	1315	1646	1315	604
165°	1419	1533	1419	1533	1419	400
175°	1475	1485	1475	1485	1475	140
180°	1475	1475	1475	1475	1475	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2038.5	2038.5	2050.0	2053.8	2053.8	2048.1	2042.3	2048.1	2065.3	2071.0	2069.1
5°	2030.9	2046.2	2067.2	2071.0	2074.8	2072.9	2069.1	2072.9	2092.1	2095.9	2097.8
7.5°	2015.6	2044.2	2071.0	2076.8	2082.5	2076.8	2074.8	2078.7	2097.8	2101.6	2101.6
10°	1996.4	2036.6	2067.2	2071.0	2076.8	2071.0	2071.0	2078.7	2097.8	2101.6	2103.5
12.5°	1969.7	2025.1	2053.8	2057.6	2065.3	2063.4	2061.5	2069.1	2088.2	2092.1	2092.1
15°	1939.1	2004.1	2030.9	2034.7	2048.1	2044.2	2044.2	2051.9	2072.9	2078.7	2076.8
17.5°	1897.0	1977.3	2007.9	2013.6	2023.2	2021.3	2023.2	2030.9	2050.0	2053.8	2055.7
20°	1849.2	1941.0	1977.3	1983.0	1992.6	1992.6	1992.6	2002.2	2021.3	2028.9	2028.9
22.5°	1784.2	1902.7	1941.0	1944.8	1956.3	1956.3	1960.1	1973.5	1990.7	1992.6	1992.6
25°	1707.7	1860.7	1893.2	1904.6	1916.1	1921.9	1927.6	1935.2	1941.0	1939.1	1941.0
27.5°	1627.3	1807.1	1849.2	1856.8	1872.1	1877.9	1885.5	1887.4	1889.3	1895.1	1891.3
30°	1537.5	1732.5	1795.6	1803.3	1828.1	1832.0	1824.3	1828.1	1837.7	1841.5	1845.4
32.5°	1436.1	1621.6	1740.2	1757.4	1780.3	1768.9	1766.9	1772.7	1788.0	1788.0	1791.8
35°	1298.4	1535.6	1688.5	1703.8	1721.1	1707.7	1715.3	1717.2	1726.8	1732.5	1730.6
37.5°	1147.3	1461.0	1635.0	1646.5	1659.9	1642.6	1654.1	1659.9	1667.5	1663.7	1663.7
40°	1013.6	1344.3	1571.9	1579.5	1591.0	1577.6	1589.1	1592.9	1596.7	1592.9	1591.0
42.5°	914.1	1216.2	1505.0	1514.5	1506.9	1516.4	1520.3	1527.9	1522.2	1514.5	1514.5
45°	837.6	1181.8	1432.3	1443.8	1432.3	1447.6	1453.3	1453.3	1436.1	1432.3	1430.4
47.5°	812.8	1113.0	1359.6	1359.6	1353.9	1373.0	1382.6	1369.2	1352.0	1346.2	1346.2
50°	810.9	1036.5	1260.2	1252.5	1279.3	1302.2	1292.7	1279.3	1265.9	1244.9	1244.9
52.5°	736.3	942.8	1132.1	1160.7	1202.8	1216.2	1200.9	1187.5	1164.5	1155.0	1147.3
55°	682.7	845.3	1015.5	1072.8	1116.8	1134.0	1105.4	1092.0	1057.5	1051.8	1048.0
57.5°	671.2	703.8	908.4	981.1	1034.6	1032.7	1015.5	990.6	961.9	956.2	954.3
60°	615.8	508.7	793.6	879.7	935.2	929.4	914.1	891.2	864.4	860.6	856.7
62.5°	558.4	369.1	663.6	761.1	839.5	837.6	824.2	789.8	770.7	761.1	753.5
65°	474.3	309.8	472.4	633.0	745.8	749.7	721.0	696.1	675.1	663.6	661.7
67.5°	361.4	252.4	319.4	527.8	655.9	652.1	615.8	604.3	577.5	571.8	560.3
70°	267.7	168.3	221.8	428.4	568.0	558.4	529.7	516.3	491.5	478.1	470.4
72.5°	221.8	135.8	162.6	332.8	478.1	466.6	441.8	426.5	405.4	394.0	386.3
75°	179.8	143.4	124.3	246.7	388.2	380.6	357.6	342.3	325.1	309.8	311.7
77.5°	132.0	133.9	99.4	181.7	307.9	296.4	283.0	263.9	256.3	241.0	241.0
80°	99.4	105.2	74.6	124.3	221.8	221.8	210.4	197.0	183.6	175.9	175.9
82.5°	66.9	66.9	55.5	78.4	151.1	145.3	137.7	133.9	126.2	122.4	122.4
85°	30.6	38.2	34.4	47.8	82.2	86.1	86.1	82.2	80.3	76.5	78.4
87.5°	9.6	17.2	21.0	26.8	42.1	44.0	45.9	45.9	45.9	47.8	47.8
90°	9.9	17.9	25.7	27.7	43.6	64.7	75.3	66.8	50.1	37.6	37.6
92.5°	39.6	106.9	174.3	191.1	268.7	372.1	423.8	371.4	266.7	188.1	180.6
95°	95.0	218.3	341.6	372.3	661.1	1046.2	1238.7	1105.4	838.7	638.6	616.0
97.5°	164.4	273.1	381.8	409.0	890.5	1532.6	1853.6	1769.3	1600.8	1474.4	1431.2
100°	217.8	316.4	415.0	439.7	974.0	1686.4	2042.7	2048.8	2061.2	2070.4	2019.1
102.5°	263.3	355.3	447.3	470.4	1012.3	1734.9	2096.2	2203.5	2418.3	2579.3	2535.3
105°	340.6	418.5	496.4	515.9	1040.6	1740.4	2090.2	2330.9	2812.4	3173.4	3149.8
107.5°	419.9	492.4	565.0	583.2	1045.9	1662.9	1971.4	2307.2	2978.7	3482.4	3488.1
110°	473.3	538.9	604.5	620.9	1038.0	1594.3	1872.4	2247.8	2998.5	3561.5	3586.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	525.8	588.2	650.8	666.4	1038.3	1534.3	1782.2	2166.4	2934.7	3511.0	3548.9
115°	605.0	662.6	720.2	734.6	1047.9	1465.6	1674.4	2044.4	2784.6	3339.8	3392.3
117.5°	683.2	735.6	787.9	801.0	1067.4	1422.5	1600.1	1934.1	2602.1	3103.1	3161.4
120°	728.7	778.1	827.3	839.6	1083.2	1408.0	1570.4	1875.6	2485.9	2943.7	3000.2
122.5°	773.3	823.0	872.7	885.1	1105.9	1400.3	1547.6	1822.4	2372.1	2784.3	2840.1
125°	841.6	887.0	932.3	943.6	1136.6	1394.1	1522.8	1756.3	2223.2	2573.4	2624.7
127.5°	897.1	942.9	988.6	1000.1	1167.4	1390.5	1502.1	1702.5	2103.4	2404.1	2447.4
130°	926.7	976.1	1025.3	1037.7	1189.8	1392.7	1494.1	1672.6	2029.5	2297.2	2337.2
132.5°	957.4	1006.8	1056.0	1068.4	1208.0	1394.1	1487.2	1646.9	1966.4	2206.0	2241.9
135°	1003.0	1047.9	1092.8	1104.0	1227.8	1392.8	1475.3	1609.1	1876.6	2077.3	2108.2
137.5°	1049.5	1094.0	1138.4	1149.5	1257.5	1401.4	1473.3	1586.4	1812.7	1982.3	2007.6
140°	1088.1	1129.1	1170.0	1180.2	1275.7	1402.8	1466.4	1564.1	1759.5	1906.1	1929.7
142.5°	1117.9	1155.8	1193.5	1203.0	1290.8	1407.9	1466.4	1552.2	1723.8	1852.5	1872.9
145°	1163.4	1196.4	1229.5	1237.7	1310.7	1407.9	1456.5	1526.7	1667.1	1772.4	1787.8
147.5°	1209.0	1241.1	1273.3	1281.3	1339.7	1417.6	1456.5	1511.7	1622.2	1705.1	1717.8
150°	1238.7	1267.7	1296.8	1304.1	1354.8	1422.6	1456.5	1503.1	1596.5	1666.5	1676.8
152.5°	1269.3	1291.3	1313.3	1318.9	1364.8	1425.9	1456.5	1496.3	1576.0	1635.8	1643.6
155°	1315.0	1331.2	1347.5	1351.6	1386.6	1433.1	1456.5	1488.2	1551.6	1599.1	1604.3
157.5°	1348.6	1364.4	1380.3	1384.2	1408.3	1440.4	1456.5	1481.1	1530.4	1567.4	1571.0
160°	1371.4	1383.7	1396.0	1399.1	1418.2	1443.8	1456.5	1477.6	1519.9	1551.5	1553.6
162.5°	1394.1	1403.3	1412.6	1414.9	1428.7	1447.2	1456.5	1474.3	1509.9	1536.7	1538.7
165°	1418.9	1427.3	1435.6	1437.7	1443.9	1452.3	1456.5	1469.3	1494.8	1513.9	1516.0
167.5°	1441.7	1445.6	1449.6	1450.5	1455.8	1462.9	1466.4	1474.7	1491.5	1504.0	1504.9
170°	1456.5	1460.5	1464.5	1465.5	1465.7	1466.2	1466.4	1474.7	1491.5	1504.0	1504.0
172.5°	1464.4	1465.3	1466.2	1466.4	1466.4	1466.4	1466.4	1473.0	1486.2	1496.2	1495.4
175°	1475.3	1475.3	1475.3	1475.3	1472.3	1468.4	1466.4	1470.6	1478.9	1485.3	1485.3
177.5°	1475.3	1475.3	1475.3	1475.3	1473.0	1470.0	1468.4	1471.7	1478.3	1483.2	1482.4
180°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2072.9	2067.2	2072.9	2069.1	2071.0	2065.3	2048.1	2042.3	2048.1	2053.8	2053.8
5°	2097.8	2094.0	2097.8	2097.8	2095.9	2092.1	2072.9	2069.1	2072.9	2074.8	2071.0
7.5°	2105.4	2099.7	2105.4	2101.6	2101.6	2097.8	2078.7	2074.8	2076.8	2082.5	2076.8
10°	2105.4	2099.7	2105.4	2103.5	2101.6	2097.8	2078.7	2071.0	2071.0	2076.8	2071.0
12.5°	2095.9	2092.1	2095.9	2092.1	2092.1	2088.2	2069.1	2061.5	2063.4	2065.3	2057.6
15°	2080.6	2074.8	2080.6	2076.8	2078.7	2072.9	2051.9	2044.2	2044.2	2048.1	2034.7
17.5°	2057.6	2050.0	2057.6	2055.7	2053.8	2050.0	2030.9	2023.2	2021.3	2023.2	2013.6
20°	2030.9	2025.1	2030.9	2028.9	2028.9	2021.3	2002.2	1992.6	1992.6	1992.6	1983.0
22.5°	1988.8	1983.0	1988.8	1992.6	1992.6	1990.7	1973.5	1960.1	1956.3	1956.3	1944.8
25°	1941.0	1935.2	1941.0	1941.0	1939.1	1941.0	1935.2	1927.6	1921.9	1916.1	1904.6
27.5°	1895.1	1891.3	1895.1	1891.3	1895.1	1889.3	1887.4	1885.5	1877.9	1872.1	1856.8
30°	1849.2	1845.4	1849.2	1845.4	1841.5	1837.7	1828.1	1824.3	1832.0	1828.1	1803.3
32.5°	1791.8	1788.0	1791.8	1791.8	1788.0	1788.0	1772.7	1766.9	1768.9	1780.3	1757.4
35°	1732.5	1726.8	1732.5	1730.6	1732.5	1726.8	1717.2	1715.3	1707.7	1721.1	1703.8
37.5°	1663.7	1657.9	1663.7	1663.7	1663.7	1667.5	1659.9	1654.1	1642.6	1659.9	1646.5
40°	1592.9	1585.3	1592.9	1591.0	1592.9	1596.7	1592.9	1589.1	1577.6	1591.0	1579.5
42.5°	1512.6	1510.7	1512.6	1514.5	1514.5	1522.2	1527.9	1520.3	1516.4	1506.9	1514.5
45°	1426.5	1422.7	1426.5	1430.4	1432.3	1436.1	1453.3	1453.3	1447.6	1432.3	1443.8
47.5°	1334.7	1325.2	1334.7	1346.2	1346.2	1352.0	1369.2	1382.6	1373.0	1353.9	1359.6
50°	1237.2	1239.1	1237.2	1244.9	1244.9	1265.9	1279.3	1292.7	1302.2	1279.3	1252.5
52.5°	1141.6	1139.8	1141.6	1147.3	1155.0	1164.5	1187.5	1200.9	1216.2	1202.8	1160.7
55°	1046.1	1049.9	1046.1	1048.0	1051.8	1057.5	1092.0	1105.4	1134.0	1116.8	1072.8
57.5°	950.5	944.7	950.5	954.3	956.2	961.9	990.6	1015.5	1032.7	1034.6	981.1
60°	839.5	831.9	839.5	856.7	860.6	864.4	891.2	914.1	929.4	935.2	879.7
62.5°	742.0	728.6	742.0	753.5	761.1	770.7	789.8	824.2	837.6	839.5	761.1
65°	638.7	633.0	638.7	661.7	663.6	675.1	696.1	721.0	749.7	745.8	633.0
67.5°	545.0	545.0	545.0	560.3	571.8	577.5	604.3	615.8	652.1	655.9	527.8
70°	459.0	457.1	459.0	470.4	478.1	491.5	516.3	529.7	558.4	568.0	428.4
72.5°	376.7	374.8	376.7	386.3	394.0	405.4	426.5	441.8	466.6	478.1	332.8
75°	304.1	300.2	304.1	311.7	309.8	325.1	342.3	357.6	380.6	388.2	246.7
77.5°	233.3	233.3	233.3	241.0	241.0	256.3	263.9	283.0	296.4	307.9	181.7
80°	174.0	172.1	174.0	175.9	175.9	183.6	197.0	210.4	221.8	221.8	124.3
82.5°	122.4	118.6	122.4	122.4	122.4	126.2	133.9	137.7	145.3	151.1	78.4
85°	76.5	76.5	76.5	78.4	76.5	80.3	82.2	86.1	86.1	82.2	47.8
87.5°	49.7	47.8	49.7	47.8	47.8	45.9	45.9	45.9	44.0	42.1	26.8
90°	37.6	37.6	37.6	37.6	37.6	50.1	66.8	75.3	64.7	43.6	27.7
92.5°	150.7	120.8	150.7	180.6	188.1	266.7	371.4	423.8	372.1	268.7	191.1
95°	525.3	434.7	525.3	616.0	638.6	838.7	1105.4	1238.7	1046.2	661.1	372.3
97.5°	1258.7	1086.2	1258.7	1431.2	1474.4	1600.8	1769.3	1853.6	1532.6	890.5	409.0
100°	1813.5	1608.0	1813.5	2019.1	2070.4	2061.2	2048.8	2042.7	1686.4	974.0	439.7
102.5°	2359.3	2183.3	2359.3	2535.3	2579.3	2418.3	2203.5	2096.2	1734.9	1012.3	470.4
105°	3055.1	2960.6	3055.1	3149.8	3173.4	2812.4	2330.9	2090.2	1740.4	1040.6	515.9
107.5°	3510.9	3533.8	3510.9	3488.1	3482.4	2978.7	2307.2	1971.4	1662.9	1045.9	583.2
110°	3684.8	3783.4	3684.8	3586.2	3561.5	2998.5	2247.8	1872.4	1594.3	1038.0	620.9





TEST NUMBER: P935548

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3700.3	3851.6	3700.3	3548.9	3511.0	2934.7	2166.4	1782.2	1534.3	1038.3	666.4
115°	3602.2	3812.1	3602.2	3392.3	3339.8	2784.6	2044.4	1674.4	1465.6	1047.9	734.6
117.5°	3394.1	3626.9	3394.1	3161.4	3103.1	2602.1	1934.1	1600.1	1422.5	1067.4	801.0
120°	3226.5	3452.6	3226.5	3000.2	2943.7	2485.9	1875.6	1570.4	1408.0	1083.2	839.6
122.5°	3063.3	3286.3	3063.3	2840.1	2784.3	2372.1	1822.4	1547.6	1400.3	1105.9	885.1
125°	2830.3	3035.8	2830.3	2624.7	2573.4	2223.2	1756.3	1522.8	1394.1	1136.6	943.6
127.5°	2620.8	2794.2	2620.8	2447.4	2404.1	2103.4	1702.5	1502.1	1390.5	1167.4	1000.1
130°	2497.4	2657.5	2497.4	2337.2	2297.2	2029.5	1672.6	1494.1	1392.7	1189.8	1037.7
132.5°	2385.4	2528.8	2385.4	2241.9	2206.0	1966.4	1646.9	1487.2	1394.1	1208.0	1068.4
135°	2231.9	2355.6	2231.9	2108.2	2077.3	1876.6	1609.1	1475.3	1392.8	1227.8	1104.0
137.5°	2108.8	2210.0	2108.8	2007.6	1982.3	1812.7	1586.4	1473.3	1401.4	1257.5	1149.5
140°	2024.4	2118.9	2024.4	1929.7	1906.1	1759.5	1564.1	1466.4	1402.8	1275.7	1180.2
142.5°	1954.3	2035.7	1954.3	1872.9	1852.5	1723.8	1552.2	1466.4	1407.9	1290.8	1203.0
145°	1849.4	1911.0	1849.4	1787.8	1772.4	1667.1	1526.7	1456.5	1407.9	1310.7	1237.7
147.5°	1768.9	1819.9	1768.9	1717.8	1705.1	1622.2	1511.7	1456.5	1417.6	1339.7	1281.3
150°	1718.2	1759.5	1718.2	1676.8	1666.5	1596.5	1503.1	1456.5	1422.6	1354.8	1304.1
152.5°	1674.8	1706.0	1674.8	1643.6	1635.8	1576.0	1496.3	1456.5	1425.9	1364.8	1318.9
155°	1625.0	1645.6	1625.0	1604.3	1599.1	1551.6	1488.2	1456.5	1433.1	1386.6	1351.6
157.5°	1585.6	1600.1	1585.6	1571.0	1567.4	1530.4	1481.1	1456.5	1440.4	1408.3	1384.2
160°	1561.9	1570.4	1561.9	1553.6	1551.5	1519.9	1477.6	1456.5	1443.8	1418.2	1399.1
162.5°	1546.6	1554.6	1546.6	1538.7	1536.7	1509.9	1474.3	1456.5	1447.2	1428.7	1414.9
165°	1524.4	1532.8	1524.4	1516.0	1513.9	1494.8	1469.3	1456.5	1452.3	1443.9	1437.7
167.5°	1508.4	1511.9	1508.4	1504.9	1504.0	1491.5	1474.7	1466.4	1462.9	1455.8	1450.5
170°	1504.0	1504.0	1504.0	1504.0	1504.0	1491.5	1474.7	1466.4	1466.2	1465.7	1465.5
172.5°	1492.2	1489.2	1492.2	1495.4	1496.2	1486.2	1473.0	1466.4	1466.4	1466.4	1466.4
175°	1485.3	1485.3	1485.3	1485.3	1485.3	1478.9	1470.6	1466.4	1468.4	1472.3	1475.3
177.5°	1478.8	1475.3	1478.8	1482.4	1483.2	1478.3	1471.7	1468.4	1470.0	1473.0	1475.3
180°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3



TEST NUMBER: P935548

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2050.0	2038.5	2038.5	2019.4	2011.7	2006.0	1996.4	1967.7	1960.1	1952.5	1963.9
5°	2067.2	2046.2	2030.9	1996.4	1967.7	1956.3	1919.9	1851.1	1805.2	1770.8	1751.6
7.5°	2071.0	2044.2	2015.6	1962.0	1893.2	1862.6	1751.6	1625.4	1591.0	1560.4	1541.3
10°	2067.2	2036.6	1996.4	1916.1	1753.6	1700.0	1589.1	1506.9	1485.8	1480.1	1485.8
12.5°	2053.8	2025.1	1969.7	1835.8	1608.2	1571.9	1506.9	1459.1	1455.2	1464.8	1516.4
15°	2030.9	2004.1	1939.1	1728.7	1527.9	1501.1	1455.2	1438.0	1459.1	1526.0	1680.9
17.5°	2007.9	1977.3	1897.0	1623.5	1466.7	1447.6	1415.1	1449.5	1568.1	1657.9	1709.6
20°	1977.3	1941.0	1849.2	1547.0	1422.7	1405.5	1390.2	1545.1	1635.0	1667.5	1696.2
22.5°	1941.0	1902.7	1784.2	1493.5	1376.8	1363.4	1373.0	1598.7	1635.0	1657.9	1682.8
25°	1893.2	1860.7	1707.7	1451.4	1340.5	1325.2	1361.5	1592.9	1614.0	1619.7	1669.4
27.5°	1849.2	1807.1	1627.3	1413.2	1296.5	1290.8	1371.1	1568.1	1583.4	1589.1	1642.6
30°	1795.6	1732.5	1537.5	1373.0	1250.6	1248.7	1373.0	1537.5	1533.6	1548.9	1602.5
32.5°	1740.2	1621.6	1436.1	1323.3	1206.6	1204.7	1359.6	1491.6	1487.7	1508.8	1548.9
35°	1688.5	1535.6	1298.4	1265.9	1151.2	1153.1	1327.1	1438.0	1439.9	1459.1	1483.9
37.5°	1635.0	1461.0	1147.3	1202.8	1097.7	1097.7	1283.1	1388.3	1384.5	1390.2	1424.6
40°	1571.9	1344.3	1013.6	1120.7	1048.0	1042.3	1229.6	1334.7	1321.4	1319.5	1367.3
42.5°	1505.0	1216.2	914.1	1011.7	990.6	983.0	1164.5	1269.7	1244.9	1250.6	1311.8
45°	1432.3	1181.8	837.6	854.8	931.3	925.6	1093.9	1195.1	1177.9	1193.2	1256.3
47.5°	1359.6	1113.0	812.8	709.5	868.2	866.3	1015.5	1122.6	1113.0	1128.3	1195.1
50°	1260.2	1036.5	810.9	608.1	797.5	805.1	921.8	1051.8	1051.8	1065.2	1136.0
52.5°	1132.1	942.8	736.3	550.8	715.2	738.2	839.5	990.6	994.4	1007.8	1070.9
55°	1015.5	845.3	682.7	506.8	617.7	667.4	759.2	927.5	935.2	948.5	1005.9
57.5°	908.4	703.8	671.2	455.1	527.8	575.6	688.5	866.3	870.1	881.6	937.1
60°	793.6	508.7	615.8	399.7	449.4	485.7	623.4	793.6	807.0	814.7	862.5
62.5°	663.6	369.1	558.4	361.4	411.2	418.8	569.9	724.8	742.0	747.7	776.4
65°	472.4	309.8	474.3	328.9	371.0	372.9	512.5	654.0	669.3	678.9	699.9
67.5°	319.4	252.4	361.4	298.3	340.4	342.3	457.1	571.8	592.8	600.5	613.9
70°	221.8	168.3	267.7	265.8	306.0	309.8	397.8	497.2	516.3	522.1	529.7
72.5°	162.6	135.8	221.8	239.0	269.6	273.5	336.6	413.1	432.2	437.9	441.8
75°	124.3	143.4	179.8	208.5	229.5	231.4	275.4	336.6	350.0	353.8	355.7
77.5°	99.4	133.9	132.0	168.3	187.4	183.6	216.1	260.1	271.6	271.6	271.6
80°	74.6	105.2	99.4	120.5	137.7	133.9	154.9	185.5	189.3	193.2	191.2
82.5°	55.5	66.9	66.9	76.5	91.8	88.0	103.3	120.5	120.5	120.5	124.3
85°	34.4	38.2	30.6	40.2	51.6	49.7	57.4	65.0	66.9	66.9	63.1
87.5°	21.0	17.2	9.6	15.3	22.9	22.9	26.8	28.7	26.8	26.8	26.8
90°	25.7	17.9	9.9	17.9	25.7	27.7	43.6	64.7	75.3	66.8	50.1
92.5°	174.3	106.9	39.6	106.9	174.3	191.1	268.7	372.1	423.8	371.4	266.7
95°	341.6	218.3	95.0	218.3	341.6	372.3	661.1	1046.2	1238.7	1105.4	838.7
97.5°	381.8	273.1	164.4	273.1	381.8	409.0	890.5	1532.6	1853.6	1769.3	1600.8
100°	415.0	316.4	217.8	316.4	415.0	439.7	974.0	1686.4	2042.7	2048.8	2061.2
102.5°	447.3	355.3	263.3	355.3	447.3	470.4	1012.3	1734.9	2096.2	2203.5	2418.3
105°	496.4	418.5	340.6	418.5	496.4	515.9	1040.6	1740.4	2090.2	2330.9	2812.4
107.5°	565.0	492.4	419.9	492.4	565.0	583.2	1045.9	1662.9	1971.4	2307.2	2978.7
110°	604.5	538.9	473.3	538.9	604.5	620.9	1038.0	1594.3	1872.4	2247.8	2998.5



TEST NUMBER: P935548

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	650.8	588.2	525.8	588.2	650.8	666.4	1038.3	1534.3	1782.2	2166.4	2934.7
115°	720.2	662.6	605.0	662.6	720.2	734.6	1047.9	1465.6	1674.4	2044.4	2784.6
117.5°	787.9	735.6	683.2	735.6	787.9	801.0	1067.4	1422.5	1600.1	1934.1	2602.1
120°	827.3	778.1	728.7	778.1	827.3	839.6	1083.2	1408.0	1570.4	1875.6	2485.9
122.5°	872.7	823.0	773.3	823.0	872.7	885.1	1105.9	1400.3	1547.6	1822.4	2372.1
125°	932.3	887.0	841.6	887.0	932.3	943.6	1136.6	1394.1	1522.8	1756.3	2223.2
127.5°	988.6	942.9	897.1	942.9	988.6	1000.1	1167.4	1390.5	1502.1	1702.5	2103.4
130°	1025.3	976.1	926.7	976.1	1025.3	1037.7	1189.8	1392.7	1494.1	1672.6	2029.5
132.5°	1056.0	1006.8	957.4	1006.8	1056.0	1068.4	1208.0	1394.1	1487.2	1646.9	1966.4
135°	1092.8	1047.9	1003.0	1047.9	1092.8	1104.0	1227.8	1392.8	1475.3	1609.1	1876.6
137.5°	1138.4	1094.0	1049.5	1094.0	1138.4	1149.5	1257.5	1401.4	1473.3	1586.4	1812.7
140°	1170.0	1129.1	1088.1	1129.1	1170.0	1180.2	1275.7	1402.8	1466.4	1564.1	1759.5
142.5°	1193.5	1155.8	1117.9	1155.8	1193.5	1203.0	1290.8	1407.9	1466.4	1552.2	1723.8
145°	1229.5	1196.4	1163.4	1196.4	1229.5	1237.7	1310.7	1407.9	1456.5	1526.7	1667.1
147.5°	1273.3	1241.1	1209.0	1241.1	1273.3	1281.3	1339.7	1417.6	1456.5	1511.7	1622.2
150°	1296.8	1267.7	1238.7	1267.7	1296.8	1304.1	1354.8	1422.6	1456.5	1503.1	1596.5
152.5°	1313.3	1291.3	1269.3	1291.3	1313.3	1318.9	1364.8	1425.9	1456.5	1496.3	1576.0
155°	1347.5	1331.2	1315.0	1331.2	1347.5	1351.6	1386.6	1433.1	1456.5	1488.2	1551.6
157.5°	1380.3	1364.4	1348.6	1364.4	1380.3	1384.2	1408.3	1440.4	1456.5	1481.1	1530.4
160°	1396.0	1383.7	1371.4	1383.7	1396.0	1399.1	1418.2	1443.8	1456.5	1477.6	1519.9
162.5°	1412.6	1403.3	1394.1	1403.3	1412.6	1414.9	1428.7	1447.2	1456.5	1474.3	1509.9
165°	1435.6	1427.3	1418.9	1427.3	1435.6	1437.7	1443.9	1452.3	1456.5	1469.3	1494.8
167.5°	1449.6	1445.6	1441.7	1445.6	1449.6	1450.5	1455.8	1462.9	1466.4	1474.7	1491.5
170°	1464.5	1460.5	1456.5	1460.5	1464.5	1465.5	1465.7	1466.2	1466.4	1474.7	1491.5
172.5°	1466.2	1465.3	1464.4	1465.3	1466.2	1466.4	1466.4	1466.4	1466.4	1473.0	1486.2
175°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1472.3	1468.4	1466.4	1470.6	1478.9
177.5°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1473.0	1470.0	1468.4	1471.7	1478.3
180°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3



TEST NUMBER: P935548

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	1950.5	1944.8	1952.5	1931.4	1952.5	1944.8	1950.5	1963.9	1952.5	1960.1	1967.7
5°	1711.5	1701.9	1671.3	1646.5	1671.3	1701.9	1711.5	1751.6	1770.8	1805.2	1851.1
7.5°	1529.8	1522.2	1514.5	1499.2	1514.5	1522.2	1529.8	1541.3	1560.4	1591.0	1625.4
10°	1489.7	1491.6	1503.0	1501.1	1503.0	1491.6	1489.7	1485.8	1480.1	1485.8	1506.9
12.5°	1592.9	1610.1	1673.2	1669.4	1673.2	1610.1	1592.9	1516.4	1464.8	1455.2	1459.1
15°	1711.5	1717.2	1730.6	1732.5	1730.6	1717.2	1711.5	1680.9	1526.0	1459.1	1438.0
17.5°	1723.0	1724.9	1734.4	1734.4	1734.4	1724.9	1723.0	1709.6	1657.9	1568.1	1449.5
20°	1713.4	1717.2	1736.4	1740.2	1736.4	1717.2	1713.4	1696.2	1667.5	1635.0	1545.1
22.5°	1709.6	1717.2	1732.5	1730.6	1732.5	1717.2	1709.6	1682.8	1657.9	1635.0	1598.7
25°	1690.5	1690.5	1692.4	1694.3	1692.4	1690.5	1690.5	1669.4	1619.7	1614.0	1592.9
27.5°	1650.3	1654.1	1665.6	1663.7	1665.6	1654.1	1650.3	1642.6	1589.1	1583.4	1568.1
30°	1614.0	1610.1	1600.6	1592.9	1600.6	1610.1	1614.0	1602.5	1548.9	1533.6	1537.5
32.5°	1552.8	1543.2	1533.6	1527.9	1533.6	1543.2	1552.8	1548.9	1508.8	1487.7	1491.6
35°	1480.1	1482.0	1480.1	1474.4	1480.1	1482.0	1480.1	1483.9	1459.1	1439.9	1438.0
37.5°	1428.5	1432.3	1430.4	1422.7	1430.4	1432.3	1428.5	1424.6	1390.2	1384.5	1388.3
40°	1374.9	1376.8	1374.9	1369.2	1374.9	1376.8	1374.9	1367.3	1319.5	1321.4	1334.7
42.5°	1323.3	1321.4	1315.6	1311.8	1315.6	1321.4	1323.3	1311.8	1250.6	1244.9	1269.7
45°	1264.0	1265.9	1254.4	1248.7	1254.4	1265.9	1264.0	1256.3	1193.2	1177.9	1195.1
47.5°	1204.7	1204.7	1195.1	1189.4	1195.1	1204.7	1204.7	1195.1	1128.3	1113.0	1122.6
50°	1141.6	1139.8	1126.4	1124.5	1126.4	1139.8	1141.6	1136.0	1065.2	1051.8	1051.8
52.5°	1069.0	1069.0	1070.9	1074.8	1070.9	1069.0	1069.0	1070.9	1007.8	994.4	990.6
55°	1005.9	1007.8	1021.2	1025.0	1021.2	1007.8	1005.9	1005.9	948.5	935.2	927.5
57.5°	940.9	940.9	950.5	950.5	950.5	940.9	940.9	937.1	881.6	870.1	866.3
60°	866.3	870.1	877.8	875.9	877.8	870.1	866.3	862.5	814.7	807.0	793.6
62.5°	787.9	791.7	793.6	789.8	793.6	791.7	787.9	776.4	747.7	742.0	724.8
65°	705.7	709.5	711.4	707.6	711.4	709.5	705.7	699.9	678.9	669.3	654.0
67.5°	621.5	619.6	617.7	625.4	617.7	619.6	621.5	613.9	600.5	592.8	571.8
70°	535.5	535.5	533.6	537.4	533.6	535.5	535.5	529.7	522.1	516.3	497.2
72.5°	443.7	441.8	449.4	443.7	449.4	441.8	443.7	441.8	437.9	432.2	413.1
75°	353.8	357.6	353.8	359.5	353.8	357.6	353.8	355.7	353.8	350.0	336.6
77.5°	269.6	273.5	269.6	269.6	269.6	273.5	269.6	271.6	271.6	271.6	260.1
80°	191.2	189.3	189.3	187.4	189.3	189.3	191.2	191.2	193.2	189.3	185.5
82.5°	122.4	120.5	120.5	124.3	120.5	120.5	122.4	124.3	120.5	120.5	120.5
85°	66.9	68.8	65.0	65.0	65.0	68.8	66.9	63.1	66.9	66.9	65.0
87.5°	24.9	22.9	22.9	22.9	22.9	22.9	24.9	26.8	26.8	26.8	28.7
90°	37.6	37.6	37.6	37.6	37.6	37.6	37.6	50.1	66.8	75.3	64.7
92.5°	188.1	180.6	150.7	120.8	150.7	180.6	188.1	266.7	371.4	423.8	372.1
95°	638.6	616.0	525.3	434.7	525.3	616.0	638.6	838.7	1105.4	1238.7	1046.2
97.5°	1474.4	1431.2	1258.7	1086.2	1258.7	1431.2	1474.4	1600.8	1769.3	1853.6	1532.6
100°	2070.4	2019.1	1813.5	1608.0	1813.5	2019.1	2070.4	2061.2	2048.8	2042.7	1686.4
102.5°	2579.3	2535.3	2359.3	2183.3	2359.3	2535.3	2579.3	2418.3	2203.5	2096.2	1734.9
105°	3173.4	3149.8	3055.1	2960.6	3055.1	3149.8	3173.4	2812.4	2330.9	2090.2	1740.4
107.5°	3482.4	3488.1	3510.9	3533.8	3510.9	3488.1	3482.4	2978.7	2307.2	1971.4	1662.9
110°	3561.5	3586.2	3684.8	3783.4	3684.8	3586.2	3561.5	2998.5	2247.8	1872.4	1594.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3511.0	3548.9	3700.3	3851.6	3700.3	3548.9	3511.0	2934.7	2166.4	1782.2	1534.3
115°	3339.8	3392.3	3602.2	3812.1	3602.2	3392.3	3339.8	2784.6	2044.4	1674.4	1465.6
117.5°	3103.1	3161.4	3394.1	3626.9	3394.1	3161.4	3103.1	2602.1	1934.1	1600.1	1422.5
120°	2943.7	3000.2	3226.5	3452.6	3226.5	3000.2	2943.7	2485.9	1875.6	1570.4	1408.0
122.5°	2784.3	2840.1	3063.3	3286.3	3063.3	2840.1	2784.3	2372.1	1822.4	1547.6	1400.3
125°	2573.4	2624.7	2830.3	3035.8	2830.3	2624.7	2573.4	2223.2	1756.3	1522.8	1394.1
127.5°	2404.1	2447.4	2620.8	2794.2	2620.8	2447.4	2404.1	2103.4	1702.5	1502.1	1390.5
130°	2297.2	2337.2	2497.4	2657.5	2497.4	2337.2	2297.2	2029.5	1672.6	1494.1	1392.7
132.5°	2206.0	2241.9	2385.4	2528.8	2385.4	2241.9	2206.0	1966.4	1646.9	1487.2	1394.1
135°	2077.3	2108.2	2231.9	2355.6	2231.9	2108.2	2077.3	1876.6	1609.1	1475.3	1392.8
137.5°	1982.3	2007.6	2108.8	2210.0	2108.8	2007.6	1982.3	1812.7	1586.4	1473.3	1401.4
140°	1906.1	1929.7	2024.4	2118.9	2024.4	1929.7	1906.1	1759.5	1564.1	1466.4	1402.8
142.5°	1852.5	1872.9	1954.3	2035.7	1954.3	1872.9	1852.5	1723.8	1552.2	1466.4	1407.9
145°	1772.4	1787.8	1849.4	1911.0	1849.4	1787.8	1772.4	1667.1	1526.7	1456.5	1407.9
147.5°	1705.1	1717.8	1768.9	1819.9	1768.9	1717.8	1705.1	1622.2	1511.7	1456.5	1417.6
150°	1666.5	1676.8	1718.2	1759.5	1718.2	1676.8	1666.5	1596.5	1503.1	1456.5	1422.6
152.5°	1635.8	1643.6	1674.8	1706.0	1674.8	1643.6	1635.8	1576.0	1496.3	1456.5	1425.9
155°	1599.1	1604.3	1625.0	1645.6	1625.0	1604.3	1599.1	1551.6	1488.2	1456.5	1433.1
157.5°	1567.4	1571.0	1585.6	1600.1	1585.6	1571.0	1567.4	1530.4	1481.1	1456.5	1440.4
160°	1551.5	1553.6	1561.9	1570.4	1561.9	1553.6	1551.5	1519.9	1477.6	1456.5	1443.8
162.5°	1536.7	1538.7	1546.6	1554.6	1546.6	1538.7	1536.7	1509.9	1474.3	1456.5	1447.2
165°	1513.9	1516.0	1524.4	1532.8	1524.4	1516.0	1513.9	1494.8	1469.3	1456.5	1452.3
167.5°	1504.0	1504.9	1508.4	1511.9	1508.4	1504.9	1504.0	1491.5	1474.7	1466.4	1462.9
170°	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1491.5	1474.7	1466.4	1466.2
172.5°	1496.2	1495.4	1492.2	1489.2	1492.2	1495.4	1496.2	1486.2	1473.0	1466.4	1466.4
175°	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1478.9	1470.6	1466.4	1468.4
177.5°	1483.2	1482.4	1478.8	1475.3	1478.8	1482.4	1483.2	1478.3	1471.7	1468.4	1470.0
180°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	1996.4	2006.0	2011.7	2019.4	2038.5
5°	1919.9	1956.3	1967.7	1996.4	2030.9
7.5°	1751.6	1862.6	1893.2	1962.0	2015.6
10°	1589.1	1700.0	1753.6	1916.1	1996.4
12.5°	1506.9	1571.9	1608.2	1835.8	1969.7
15°	1455.2	1501.1	1527.9	1728.7	1939.1
17.5°	1415.1	1447.6	1466.7	1623.5	1897.0
20°	1390.2	1405.5	1422.7	1547.0	1849.2
22.5°	1373.0	1363.4	1376.8	1493.5	1784.2
25°	1361.5	1325.2	1340.5	1451.4	1707.7
27.5°	1371.1	1290.8	1296.5	1413.2	1627.3
30°	1373.0	1248.7	1250.6	1373.0	1537.5
32.5°	1359.6	1204.7	1206.6	1323.3	1436.1
35°	1327.1	1153.1	1151.2	1265.9	1298.4
37.5°	1283.1	1097.7	1097.7	1202.8	1147.3
40°	1229.6	1042.3	1048.0	1120.7	1013.6
42.5°	1164.5	983.0	990.6	1011.7	914.1
45°	1093.9	925.6	931.3	854.8	837.6
47.5°	1015.5	866.3	868.2	709.5	812.8
50°	921.8	805.1	797.5	608.1	810.9
52.5°	839.5	738.2	715.2	550.8	736.3
55°	759.2	667.4	617.7	506.8	682.7
57.5°	688.5	575.6	527.8	455.1	671.2
60°	623.4	485.7	449.4	399.7	615.8
62.5°	569.9	418.8	411.2	361.4	558.4
65°	512.5	372.9	371.0	328.9	474.3
67.5°	457.1	342.3	340.4	298.3	361.4
70°	397.8	309.8	306.0	265.8	267.7
72.5°	336.6	273.5	269.6	239.0	221.8
75°	275.4	231.4	229.5	208.5	179.8
77.5°	216.1	183.6	187.4	168.3	132.0
80°	154.9	133.9	137.7	120.5	99.4
82.5°	103.3	88.0	91.8	76.5	66.9
85°	57.4	49.7	51.6	40.2	30.6
87.5°	26.8	22.9	22.9	15.3	9.6
90°	43.6	27.7	25.7	17.9	9.9
92.5°	268.7	191.1	174.3	106.9	39.6
95°	661.1	372.3	341.6	218.3	95.0
97.5°	890.5	409.0	381.8	273.1	164.4
100°	974.0	439.7	415.0	316.4	217.8
102.5°	1012.3	470.4	447.3	355.3	263.3
105°	1040.6	515.9	496.4	418.5	340.6
107.5°	1045.9	583.2	565.0	492.4	419.9
110°	1038.0	620.9	604.5	538.9	473.3



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CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1038.3	666.4	650.8	588.2	525.8
115°	1047.9	734.6	720.2	662.6	605.0
117.5°	1067.4	801.0	787.9	735.6	683.2
120°	1083.2	839.6	827.3	778.1	728.7
122.5°	1105.9	885.1	872.7	823.0	773.3
125°	1136.6	943.6	932.3	887.0	841.6
127.5°	1167.4	1000.1	988.6	942.9	897.1
130°	1189.8	1037.7	1025.3	976.1	926.7
132.5°	1208.0	1068.4	1056.0	1006.8	957.4
135°	1227.8	1104.0	1092.8	1047.9	1003.0
137.5°	1257.5	1149.5	1138.4	1094.0	1049.5
140°	1275.7	1180.2	1170.0	1129.1	1088.1
142.5°	1290.8	1203.0	1193.5	1155.8	1117.9
145°	1310.7	1237.7	1229.5	1196.4	1163.4
147.5°	1339.7	1281.3	1273.3	1241.1	1209.0
150°	1354.8	1304.1	1296.8	1267.7	1238.7
152.5°	1364.8	1318.9	1313.3	1291.3	1269.3
155°	1386.6	1351.6	1347.5	1331.2	1315.0
157.5°	1408.3	1384.2	1380.3	1364.4	1348.6
160°	1418.2	1399.1	1396.0	1383.7	1371.4
162.5°	1428.7	1414.9	1412.6	1403.3	1394.1
165°	1443.9	1437.7	1435.6	1427.3	1418.9
167.5°	1455.8	1450.5	1449.6	1445.6	1441.7
170°	1465.7	1465.5	1464.5	1460.5	1456.5
172.5°	1466.4	1466.4	1466.2	1465.3	1464.4
175°	1472.3	1475.3	1475.3	1475.3	1475.3
177.5°	1473.0	1475.3	1475.3	1475.3	1475.3
180°	1475.3	1475.3	1475.3	1475.3	1475.3



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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	11.06	11.81	12.14	12.88	14.35	13.90	14.64	14.97	15.72	17.18
	3H	11.53	12.20	12.61	13.28	14.76	15.24	15.91	16.32	16.99	18.47
	4H	11.72	12.35	12.81	13.43	14.92	15.68	16.31	16.77	17.40	18.88
	6H	11.83	12.41	12.93	13.50	15.00	15.96	16.54	17.06	17.63	19.13
	8H	11.83	12.38	12.93	13.48	14.98	16.03	16.59	17.14	17.69	19.18
	12H	11.79	12.32	12.90	13.42	14.93	16.07	16.59	17.18	17.69	19.21
4H	2H	12.08	12.71	13.18	13.80	15.29	14.29	14.93	15.39	16.01	17.50
	3H	13.10	13.62	14.21	14.74	16.24	15.79	16.32	16.90	17.43	18.93
	4H	13.37	13.85	14.48	14.95	16.48	16.32	16.80	17.43	17.90	19.42
	6H	13.49	13.90	14.61	15.03	16.54	16.68	17.09	17.80	18.22	19.73
	8H	13.49	13.88	14.61	14.99	16.52	16.78	17.17	17.90	18.28	19.82
	12H	13.45	13.80	14.59	14.93	16.47	16.83	17.18	17.97	18.31	19.85
8H	4H	13.81	14.20	14.93	15.32	16.85	16.43	16.82	17.55	17.93	19.47
	6H	14.07	14.39	15.21	15.55	17.08	16.86	17.18	18.00	18.34	19.87
	8H	14.11	14.39	15.26	15.53	17.08	17.02	17.30	18.16	18.43	19.98
	12H	14.09	14.34	15.24	15.47	17.06	17.11	17.36	18.26	18.49	20.08
12H	4H	13.82	14.17	14.95	15.29	16.83	16.39	16.74	17.53	17.87	19.40
	6H	14.13	14.41	15.28	15.55	17.10	16.86	17.14	18.01	18.28	19.83
	8H	14.19	14.44	15.34	15.57	17.16	17.02	17.26	18.17	18.40	19.98