

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: P935663

Luminaire Tested: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

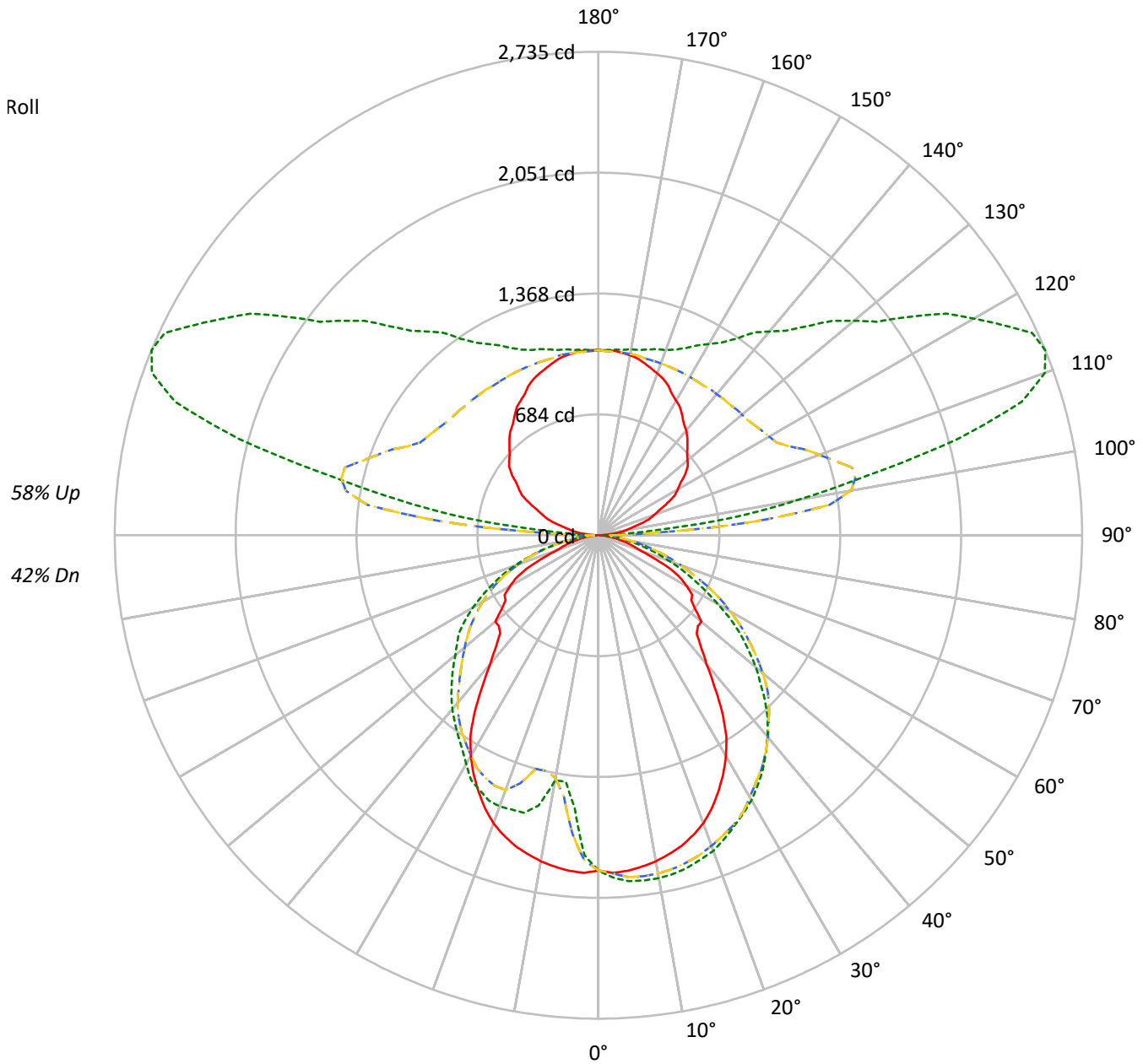
Test Method: LM-79-2019  
Report Number: P935663  
REPORT IS A COMBINATION OF REPORTS P933763 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11710.0 lumens  
Efficiency: N/A  
Efficacy: 121.2 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: General Diffuse  
  
Input Watts (W): 96.6  
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	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

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

	0°	90°	180°	270°
0°	11729	11729	11729	11729
5°	11812	11839	11812	9310
10°	11729	11662	11729	8338
15°	11597	11410	11597	9527
20°	11350	11111	11350	9547
25°	10849	10674	10849	9345
30°	10204	10311	10204	8901
35°	9092	9853	9092	8413
40°	7571	9313	7571	8044
45°	6761	8682	6761	7620
50°	7176	7928	7176	7194
55°	6746	7116	6746	6948
60°	6946	6043	6946	6363
65°	6288	4996	6288	5585
70°	4343	3982	4343	4681
75°	3794	2943	3794	3525
80°	3033	1947	3033	2119
85°	1711	1031	1711	876

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10368 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.1	1.5
10°-20°	485.9	4.1
20°-30°	751.2	6.4
30°-40°	896.7	7.7
40°-50°	902.0	7.7
50°-60°	784.8	6.7
60°-70°	556.5	4.8
70°-80°	294.4	2.5
80°-90°	77.3	0.7
90°-100°	510.6	4.4
100°-110°	1342.3	11.5
110°-120°	1391.8	11.9
120°-130°	1116.4	9.5
130°-140°	876.0	7.5
140°-150°	672.4	5.7
150°-160°	484.2	4.1
160°-170°	296.3	2.5
170°-180°	100.1	0.9
0°-30°	1408.2	12.0
0°-40°	2305.0	19.7
0°-60°	3991.8	34.1
0°-90°	4919.9	42.0
90°-120°	3244.7	27.7
90°-150°	5909.5	50.5
90°-180°	6790.0	58.0
0°-180°	11710.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1896	1896	1896	1896	1896	
5°	1905	1964	1905	1544	1905	181
15°	1819	1946	1819	1625	1819	512
25°	1602	1815	1602	1589	1602	735
35°	1218	1620	1218	1383	1218	754
45°	786	1335	786	1171	786	629
55°	640	985	640	962	640	588
65°	445	594	445	664	445	425
75°	169	282	169	337	169	177
85°	29	72	29	61	29	39
90°	7	27	7	27	7	7
95°	68	309	68	309	68	75
105°	242	2102	242	2102	242	256
115°	430	2706	430	2706	430	424
125°	598	2155	598	2155	598	531
135°	712	1672	712	1672	712	551
145°	826	1357	826	1357	826	517
155°	934	1168	934	1168	934	429
165°	1007	1088	1007	1088	1007	284
175°	1048	1054	1048	1054	1048	99
180°	1048	1048	1048	1048	1048	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1912.2	1912.2	1922.9	1926.5	1926.5	1921.1	1915.7	1921.1	1937.2	1942.7	1940.8
5°	1904.9	1919.3	1939.0	1942.7	1946.2	1944.4	1940.8	1944.4	1962.3	1965.9	1967.7
7.5°	1890.6	1917.5	1942.7	1948.0	1953.3	1948.0	1946.2	1949.8	1967.7	1971.4	1971.4
10°	1872.7	1910.3	1939.0	1942.7	1948.0	1942.7	1942.7	1949.8	1967.7	1971.4	1973.1
12.5°	1847.5	1899.6	1926.5	1930.1	1937.2	1935.4	1933.6	1940.8	1958.8	1962.3	1962.3
15°	1818.8	1879.8	1904.9	1908.5	1921.1	1917.5	1917.5	1924.6	1944.4	1949.8	1948.0
17.5°	1779.4	1854.7	1883.5	1888.8	1897.8	1896.0	1897.8	1904.9	1922.9	1926.5	1928.3
20°	1734.6	1820.6	1854.7	1860.1	1869.1	1869.1	1869.1	1878.0	1896.0	1903.2	1903.2
22.5°	1673.6	1784.8	1820.6	1824.3	1835.0	1835.0	1838.6	1851.1	1867.3	1869.1	1869.1
25°	1601.8	1745.3	1775.8	1786.5	1797.3	1802.7	1808.1	1815.3	1820.6	1818.8	1820.6
27.5°	1526.5	1695.1	1734.6	1741.7	1756.1	1761.4	1768.6	1770.4	1772.2	1777.6	1774.0
30°	1442.2	1625.1	1684.3	1691.5	1714.8	1718.4	1711.2	1714.8	1723.8	1727.4	1730.9
32.5°	1347.1	1521.1	1632.3	1648.5	1669.9	1659.2	1657.4	1662.8	1677.2	1677.2	1680.7
35°	1218.0	1440.4	1583.9	1598.2	1614.4	1601.8	1609.0	1610.7	1619.7	1625.1	1623.3
37.5°	1076.2	1370.4	1533.6	1544.4	1557.0	1540.9	1551.5	1557.0	1564.1	1560.6	1560.6
40°	950.7	1261.0	1474.4	1481.7	1492.4	1479.8	1490.6	1494.1	1497.8	1494.1	1492.4
42.5°	857.4	1140.8	1411.7	1420.7	1413.5	1422.5	1426.0	1433.2	1427.8	1420.7	1420.7
45°	785.7	1108.6	1343.5	1354.3	1343.5	1357.8	1363.3	1363.3	1347.1	1343.5	1341.7
47.5°	762.3	1043.9	1275.4	1275.4	1269.9	1287.9	1296.8	1284.3	1268.1	1262.8	1262.8
50°	760.5	972.2	1182.0	1174.9	1200.0	1221.5	1212.6	1200.0	1187.5	1167.7	1167.7
52.5°	690.5	884.3	1061.8	1088.8	1128.3	1140.8	1126.5	1113.9	1092.3	1083.4	1076.2
55°	640.4	792.8	952.5	1006.3	1047.5	1063.7	1036.8	1024.2	992.0	986.5	983.0
57.5°	629.6	660.1	852.0	920.2	970.4	968.6	952.5	929.1	902.3	896.8	895.1
60°	577.6	477.1	744.4	825.1	877.1	871.8	857.4	835.9	810.8	807.2	803.6
62.5°	523.7	346.2	622.4	713.9	787.5	785.7	773.1	740.8	722.9	713.9	706.7
65°	444.9	290.6	443.1	593.7	699.6	703.1	676.2	652.9	633.2	622.4	620.7
67.5°	339.0	236.8	299.5	495.0	615.2	611.7	577.6	566.8	541.7	536.3	525.5
70°	251.1	157.9	208.1	401.8	532.8	523.7	496.8	484.4	461.0	448.4	441.3
72.5°	208.1	127.4	152.4	312.1	448.4	437.6	414.4	400.0	380.3	369.5	362.3
75°	168.6	134.5	116.6	231.4	364.1	357.0	335.5	321.1	304.9	290.6	292.4
77.5°	123.7	125.5	93.2	170.4	288.7	278.1	265.5	247.6	240.3	226.0	226.0
80°	93.2	98.7	70.0	116.6	208.1	208.1	197.3	184.7	172.2	165.0	165.0
82.5°	62.8	62.8	52.0	73.5	141.7	136.3	129.2	125.5	118.4	114.8	114.8
85°	28.7	35.8	32.3	44.8	77.1	80.7	80.7	77.1	75.3	71.8	73.5
87.5°	9.0	16.1	19.7	25.1	39.5	41.3	43.1	43.1	43.1	44.8	44.8
90°	7.1	12.7	18.3	19.6	30.9	45.9	53.4	47.4	35.6	26.7	26.7
92.5°	28.2	75.9	123.7	135.7	190.7	264.1	300.9	263.7	189.4	133.6	128.3
95°	67.5	155.0	242.4	264.3	469.3	742.8	879.5	784.8	595.4	453.4	437.3
97.5°	116.7	193.8	271.0	290.3	632.2	1088.1	1316.0	1256.2	1136.5	1046.7	1016.1
100°	154.7	224.7	294.6	312.1	691.5	1197.3	1450.2	1454.6	1463.4	1469.9	1433.4
102.5°	187.0	252.3	317.6	333.9	718.7	1231.7	1488.2	1564.4	1716.9	1831.2	1800.0
105°	241.9	297.2	352.4	366.2	738.8	1235.6	1484.0	1654.9	1996.7	2253.0	2236.2
107.5°	298.1	349.6	401.2	414.0	742.6	1180.6	1399.7	1638.1	2114.8	2472.4	2476.4
110°	336.0	382.5	429.0	440.7	736.9	1131.8	1329.3	1595.8	2128.8	2528.7	2546.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	373.3	417.6	462.0	473.1	737.2	1089.3	1265.3	1538.0	2083.6	2492.7	2519.6
115°	429.5	470.4	511.4	521.6	744.0	1040.5	1188.7	1451.5	1977.1	2371.2	2408.5
117.5°	485.1	522.3	559.4	568.7	757.8	1009.9	1136.0	1373.1	1847.4	2203.2	2244.4
120°	517.4	552.4	587.4	596.1	769.0	999.6	1114.9	1331.6	1764.9	2089.9	2130.1
122.5°	549.1	584.4	619.7	628.5	785.2	994.2	1098.8	1293.9	1684.1	1976.8	2016.3
125°	597.5	629.7	661.9	669.9	807.0	989.8	1081.2	1246.9	1578.4	1827.1	1863.5
127.5°	636.9	669.4	701.9	710.0	828.9	987.3	1066.5	1208.8	1493.4	1706.9	1737.6
130°	658.0	693.0	727.9	736.7	844.7	988.7	1060.8	1187.5	1440.8	1630.9	1659.3
132.5°	679.8	714.8	749.7	758.5	857.6	989.8	1055.9	1169.3	1396.1	1566.2	1591.6
135°	712.1	744.0	775.8	783.8	871.7	988.9	1047.5	1142.4	1332.4	1474.9	1496.8
137.5°	745.1	776.7	808.3	816.2	892.8	995.0	1046.0	1126.3	1286.9	1407.3	1425.3
140°	772.6	801.6	830.7	837.9	905.6	995.9	1041.1	1110.5	1249.2	1353.2	1370.1
142.5°	793.6	820.5	847.4	854.1	916.5	999.6	1041.1	1102.0	1223.9	1315.3	1329.8
145°	826.0	849.4	872.8	878.7	930.5	999.6	1034.1	1083.9	1183.6	1258.4	1269.3
147.5°	858.4	881.2	904.0	909.7	951.1	1006.4	1034.1	1073.2	1151.7	1210.6	1219.6
150°	879.5	900.1	920.6	925.8	961.9	1010.0	1034.1	1067.2	1133.4	1183.1	1190.5
152.5°	901.2	916.8	932.5	936.4	969.0	1012.3	1034.1	1062.3	1118.9	1161.3	1166.8
155°	933.6	945.2	956.7	959.6	984.4	1017.5	1034.1	1056.6	1101.6	1135.3	1139.1
157.5°	957.5	968.7	979.9	982.7	999.8	1022.7	1034.1	1051.5	1086.6	1112.8	1115.3
160°	973.6	982.4	991.2	993.3	1006.9	1025.0	1034.1	1049.1	1079.0	1101.6	1103.0
162.5°	989.8	996.3	1002.9	1004.5	1014.4	1027.5	1034.1	1046.7	1072.0	1091.0	1092.4
165°	1007.4	1013.3	1019.3	1020.8	1025.2	1031.1	1034.1	1043.1	1061.3	1074.9	1076.3
167.5°	1023.6	1026.4	1029.2	1029.9	1033.6	1038.6	1041.1	1047.1	1058.9	1067.8	1068.5
170°	1034.1	1036.9	1039.7	1040.4	1040.7	1040.9	1041.1	1047.1	1058.9	1067.8	1067.8
172.5°	1039.7	1040.3	1040.9	1041.1	1041.1	1041.1	1041.1	1045.8	1055.1	1062.2	1061.7
175°	1047.5	1047.5	1047.5	1047.5	1045.4	1042.6	1041.1	1044.1	1050.1	1054.5	1054.5
177.5°	1047.5	1047.5	1047.5	1047.5	1045.8	1043.6	1042.5	1044.8	1049.5	1053.1	1052.4
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1944.4	1939.0	1944.4	1940.8	1942.7	1937.2	1921.1	1915.7	1921.1	1926.5	1926.5
5°	1967.7	1964.1	1967.7	1967.7	1965.9	1962.3	1944.4	1940.8	1944.4	1946.2	1942.7
7.5°	1974.9	1969.5	1974.9	1971.4	1971.4	1967.7	1949.8	1946.2	1948.0	1953.3	1948.0
10°	1974.9	1969.5	1974.9	1973.1	1971.4	1967.7	1949.8	1942.7	1942.7	1948.0	1942.7
12.5°	1965.9	1962.3	1965.9	1962.3	1962.3	1958.8	1940.8	1933.6	1935.4	1937.2	1930.1
15°	1951.6	1946.2	1951.6	1948.0	1949.8	1944.4	1924.6	1917.5	1917.5	1921.1	1908.5
17.5°	1930.1	1922.9	1930.1	1928.3	1926.5	1922.9	1904.9	1897.8	1896.0	1897.8	1888.8
20°	1904.9	1899.6	1904.9	1903.2	1903.2	1896.0	1878.0	1869.1	1869.1	1869.1	1860.1
22.5°	1865.4	1860.1	1865.4	1869.1	1869.1	1867.3	1851.1	1838.6	1835.0	1835.0	1824.3
25°	1820.6	1815.3	1820.6	1820.6	1818.8	1820.6	1815.3	1808.1	1802.7	1797.3	1786.5
27.5°	1777.6	1774.0	1777.6	1774.0	1777.6	1772.2	1770.4	1768.6	1761.4	1756.1	1741.7
30°	1734.6	1730.9	1734.6	1730.9	1727.4	1723.8	1714.8	1711.2	1718.4	1714.8	1691.5
32.5°	1680.7	1677.2	1680.7	1680.7	1677.2	1677.2	1662.8	1657.4	1659.2	1669.9	1648.5
35°	1625.1	1619.7	1625.1	1623.3	1625.1	1619.7	1610.7	1609.0	1601.8	1614.4	1598.2
37.5°	1560.6	1555.2	1560.6	1560.6	1560.6	1564.1	1557.0	1551.5	1540.9	1557.0	1544.4
40°	1494.1	1487.0	1494.1	1492.4	1494.1	1497.8	1494.1	1490.6	1479.8	1492.4	1481.7
42.5°	1418.8	1417.0	1418.8	1420.7	1420.7	1427.8	1433.2	1426.0	1422.5	1413.5	1420.7
45°	1338.1	1334.6	1338.1	1341.7	1343.5	1347.1	1363.3	1363.3	1357.8	1343.5	1354.3
47.5°	1252.0	1243.1	1252.0	1262.8	1262.8	1268.1	1284.3	1296.8	1287.9	1269.9	1275.4
50°	1160.5	1162.3	1160.5	1167.7	1167.7	1187.5	1200.0	1212.6	1221.5	1200.0	1174.9
52.5°	1070.9	1069.1	1070.9	1076.2	1083.4	1092.3	1113.9	1126.5	1140.8	1128.3	1088.8
55°	981.2	984.7	981.2	983.0	986.5	992.0	1024.2	1036.8	1063.7	1047.5	1006.3
57.5°	891.5	886.1	891.5	895.1	896.8	902.3	929.1	952.5	968.6	970.4	920.2
60°	787.5	780.2	787.5	803.6	807.2	810.8	835.9	857.4	871.8	877.1	825.1
62.5°	696.0	683.4	696.0	706.7	713.9	722.9	740.8	773.1	785.7	787.5	713.9
65°	599.1	593.7	599.1	620.7	622.4	633.2	652.9	676.2	703.1	699.6	593.7
67.5°	511.2	511.2	511.2	525.5	536.3	541.7	566.8	577.6	611.7	615.2	495.0
70°	430.5	428.7	430.5	441.3	448.4	461.0	484.4	496.8	523.7	532.8	401.8
72.5°	353.4	351.6	353.4	362.3	369.5	380.3	400.0	414.4	437.6	448.4	312.1
75°	285.2	281.6	285.2	292.4	290.6	304.9	321.1	335.5	357.0	364.1	231.4
77.5°	218.9	218.9	218.9	226.0	226.0	240.3	247.6	265.5	278.1	288.7	170.4
80°	163.2	161.5	163.2	165.0	165.0	172.2	184.7	197.3	208.1	208.1	116.6
82.5°	114.8	111.2	114.8	114.8	114.8	118.4	125.5	129.2	136.3	141.7	73.5
85°	71.8	71.8	71.8	73.5	71.8	75.3	77.1	80.7	80.7	77.1	44.8
87.5°	46.6	44.8	46.6	44.8	44.8	43.1	43.1	43.1	41.3	39.5	25.1
90°	26.7	26.7	26.7	26.7	26.7	35.6	47.4	53.4	45.9	30.9	19.6
92.5°	107.0	85.7	107.0	128.3	133.6	189.4	263.7	300.9	264.1	190.7	135.7
95°	372.9	308.6	372.9	437.3	453.4	595.4	784.8	879.5	742.8	469.3	264.3
97.5°	893.7	771.2	893.7	1016.1	1046.7	1136.5	1256.2	1316.0	1088.1	632.2	290.3
100°	1287.6	1141.7	1287.6	1433.4	1469.9	1463.4	1454.6	1450.2	1197.3	691.5	312.1
102.5°	1675.0	1550.1	1675.0	1800.0	1831.2	1716.9	1564.4	1488.2	1231.7	718.7	333.9
105°	2169.0	2101.9	2169.0	2236.2	2253.0	1996.7	1654.9	1484.0	1235.6	738.8	366.2
107.5°	2492.6	2508.9	2492.6	2476.4	2472.4	2114.8	1638.1	1399.7	1180.6	742.6	414.0
110°	2616.1	2686.1	2616.1	2546.1	2528.7	2128.8	1595.8	1329.3	1131.8	736.9	440.7





TEST NUMBER: P935663

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2627.0	2734.6	2627.0	2519.6	2492.7	2083.6	1538.0	1265.3	1089.3	737.2	473.1
115°	2557.4	2706.4	2557.4	2408.5	2371.2	1977.1	1451.5	1188.7	1040.5	744.0	521.6
117.5°	2409.7	2575.0	2409.7	2244.4	2203.2	1847.4	1373.1	1136.0	1009.9	757.8	568.7
120°	2290.7	2451.3	2290.7	2130.1	2089.9	1764.9	1331.6	1114.9	999.6	769.0	596.1
122.5°	2174.7	2333.1	2174.7	2016.3	1976.8	1684.1	1293.9	1098.8	994.2	785.2	628.5
125°	2009.5	2155.4	2009.5	1863.5	1827.1	1578.4	1246.9	1081.2	989.8	807.0	669.9
127.5°	1860.7	1983.8	1860.7	1737.6	1706.9	1493.4	1208.8	1066.5	987.3	828.9	710.0
130°	1773.1	1886.8	1773.1	1659.3	1630.9	1440.8	1187.5	1060.8	988.7	844.7	736.7
132.5°	1693.6	1795.4	1693.6	1591.6	1566.2	1396.1	1169.3	1055.9	989.8	857.6	758.5
135°	1584.6	1672.4	1584.6	1496.8	1474.9	1332.4	1142.4	1047.5	988.9	871.7	783.8
137.5°	1497.1	1569.0	1497.1	1425.3	1407.3	1286.9	1126.3	1046.0	995.0	892.8	816.2
140°	1437.2	1504.4	1437.2	1370.1	1353.2	1249.2	1110.5	1041.1	995.9	905.6	837.9
142.5°	1387.5	1445.4	1387.5	1329.8	1315.3	1223.9	1102.0	1041.1	999.6	916.5	854.1
145°	1313.0	1356.7	1313.0	1269.3	1258.4	1183.6	1083.9	1034.1	999.6	930.5	878.7
147.5°	1255.9	1292.1	1255.9	1219.6	1210.6	1151.7	1073.2	1034.1	1006.4	951.1	909.7
150°	1219.9	1249.2	1219.9	1190.5	1183.1	1133.4	1067.2	1034.1	1010.0	961.9	925.8
152.5°	1189.0	1211.2	1189.0	1166.8	1161.3	1118.9	1062.3	1034.1	1012.3	969.0	936.4
155°	1153.7	1168.4	1153.7	1139.1	1135.3	1101.6	1056.6	1034.1	1017.5	984.4	959.6
157.5°	1125.7	1136.0	1125.7	1115.3	1112.8	1086.6	1051.5	1034.1	1022.7	999.8	982.7
160°	1109.0	1114.9	1109.0	1103.0	1101.6	1079.0	1049.1	1034.1	1025.0	1006.9	993.3
162.5°	1098.1	1103.7	1098.1	1092.4	1091.0	1072.0	1046.7	1034.1	1027.5	1014.4	1004.5
165°	1082.3	1088.2	1082.3	1076.3	1074.9	1061.3	1043.1	1034.1	1031.1	1025.2	1020.8
167.5°	1070.9	1073.4	1070.9	1068.5	1067.8	1058.9	1047.1	1041.1	1038.6	1033.6	1029.9
170°	1067.8	1067.8	1067.8	1067.8	1067.8	1058.9	1047.1	1041.1	1040.9	1040.7	1040.4
172.5°	1059.5	1057.3	1059.5	1061.7	1062.2	1055.1	1045.8	1041.1	1041.1	1041.1	1041.1
175°	1054.5	1054.5	1054.5	1054.5	1054.5	1050.1	1044.1	1041.1	1042.6	1045.4	1047.5
177.5°	1050.0	1047.5	1050.0	1052.4	1053.1	1049.5	1044.8	1042.5	1043.6	1045.8	1047.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



TEST NUMBER: P935663

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1922.9	1912.2	1912.2	1894.1	1887.0	1881.6	1872.7	1845.7	1838.6	1831.4	1842.2
5°	1939.0	1919.3	1904.9	1872.7	1845.7	1835.0	1800.9	1736.4	1693.3	1661.0	1643.0
7.5°	1942.7	1917.5	1890.6	1840.4	1775.8	1747.1	1643.0	1524.7	1492.4	1463.6	1445.7
10°	1939.0	1910.3	1872.7	1797.3	1644.9	1594.6	1490.6	1413.5	1393.8	1388.3	1393.8
12.5°	1926.5	1899.6	1847.5	1722.0	1508.5	1474.4	1413.5	1368.6	1365.1	1374.0	1422.5
15°	1904.9	1879.8	1818.8	1621.5	1433.2	1408.1	1365.1	1348.9	1368.6	1431.4	1576.7
17.5°	1883.5	1854.7	1779.4	1522.8	1375.8	1357.8	1327.3	1359.6	1470.9	1555.2	1603.6
20°	1854.7	1820.6	1734.6	1451.2	1334.6	1318.4	1304.1	1449.3	1533.6	1564.1	1591.0
22.5°	1820.6	1784.8	1673.6	1400.9	1291.5	1278.9	1287.9	1499.6	1533.6	1555.2	1578.5
25°	1775.8	1745.3	1601.8	1361.5	1257.4	1243.1	1277.2	1494.1	1513.9	1519.3	1565.9
27.5°	1734.6	1695.1	1526.5	1325.6	1216.2	1210.7	1286.1	1470.9	1485.2	1490.6	1540.9
30°	1684.3	1625.1	1442.2	1287.9	1173.1	1171.3	1287.9	1442.2	1438.6	1453.0	1503.1
32.5°	1632.3	1521.1	1347.1	1241.2	1131.8	1130.1	1275.4	1399.1	1395.5	1415.2	1453.0
35°	1583.9	1440.4	1218.0	1187.5	1079.9	1081.6	1244.9	1348.9	1350.7	1368.6	1392.0
37.5°	1533.6	1370.4	1076.2	1128.3	1029.6	1029.6	1203.6	1302.3	1298.6	1304.1	1336.3
40°	1474.4	1261.0	950.7	1051.2	983.0	977.6	1153.4	1252.0	1239.4	1237.7	1282.5
42.5°	1411.7	1140.8	857.4	948.9	929.1	922.0	1092.3	1191.0	1167.7	1173.1	1230.5
45°	1343.5	1108.6	785.7	801.8	873.6	868.1	1026.0	1121.0	1104.9	1119.3	1178.5
47.5°	1275.4	1043.9	762.3	665.5	814.4	812.6	952.5	1052.9	1043.9	1058.3	1121.0
50°	1182.0	972.2	760.5	570.4	748.0	755.2	864.6	986.5	986.5	999.1	1065.5
52.5°	1061.8	884.3	690.5	516.6	670.8	692.4	787.5	929.1	932.8	945.3	1004.5
55°	952.5	792.8	640.4	475.3	579.4	626.0	712.1	870.0	877.1	889.7	943.5
57.5°	852.0	660.1	629.6	426.9	495.0	539.9	645.7	812.6	816.2	827.0	878.9
60°	744.4	477.1	577.6	374.9	421.5	455.6	584.7	744.4	757.0	764.1	808.9
62.5°	622.4	346.2	523.7	339.0	385.7	392.8	534.5	679.9	696.0	701.3	728.3
65°	443.1	290.6	444.9	308.5	347.9	349.8	480.7	613.4	627.8	636.8	656.5
67.5°	299.5	236.8	339.0	279.8	319.3	321.1	428.7	536.3	556.0	563.2	575.8
70°	208.1	157.9	251.1	249.4	287.0	290.6	373.1	466.3	484.4	489.7	496.8
72.5°	152.4	127.4	208.1	224.2	252.9	256.5	315.7	387.4	405.4	410.8	414.4
75°	116.6	134.5	168.6	195.5	215.2	217.1	258.3	315.7	328.2	331.8	333.6
77.5°	93.2	125.5	123.7	157.9	175.8	172.2	202.7	243.9	254.7	254.7	254.7
80°	70.0	98.7	93.2	113.0	129.2	125.5	145.3	174.0	177.6	181.1	179.4
82.5°	52.0	62.8	62.8	71.8	86.1	82.6	96.9	113.0	113.0	113.0	116.6
85°	32.3	35.8	28.7	37.7	48.4	46.6	53.9	61.0	62.8	62.8	59.2
87.5°	19.7	16.1	9.0	14.4	21.5	21.5	25.1	26.9	25.1	25.1	25.1
90°	18.3	12.7	7.1	12.7	18.3	19.6	30.9	45.9	53.4	47.4	35.6
92.5°	123.7	75.9	28.2	75.9	123.7	135.7	190.7	264.1	300.9	263.7	189.4
95°	242.4	155.0	67.5	155.0	242.4	264.3	469.3	742.8	879.5	784.8	595.4
97.5°	271.0	193.8	116.7	193.8	271.0	290.3	632.2	1088.1	1316.0	1256.2	1136.5
100°	294.6	224.7	154.7	224.7	294.6	312.1	691.5	1197.3	1450.2	1454.6	1463.4
102.5°	317.6	252.3	187.0	252.3	317.6	333.9	718.7	1231.7	1488.2	1564.4	1716.9
105°	352.4	297.2	241.9	297.2	352.4	366.2	738.8	1235.6	1484.0	1654.9	1996.7
107.5°	401.2	349.6	298.1	349.6	401.2	414.0	742.6	1180.6	1399.7	1638.1	2114.8
110°	429.0	382.5	336.0	382.5	429.0	440.7	736.9	1131.8	1329.3	1595.8	2128.8



TEST NUMBER: P935663

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	462.0	417.6	373.3	417.6	462.0	473.1	737.2	1089.3	1265.3	1538.0	2083.6
115°	511.4	470.4	429.5	470.4	511.4	521.6	744.0	1040.5	1188.7	1451.5	1977.1
117.5°	559.4	522.3	485.1	522.3	559.4	568.7	757.8	1009.9	1136.0	1373.1	1847.4
120°	587.4	552.4	517.4	552.4	587.4	596.1	769.0	999.6	1114.9	1331.6	1764.9
122.5°	619.7	584.4	549.1	584.4	619.7	628.5	785.2	994.2	1098.8	1293.9	1684.1
125°	661.9	629.7	597.5	629.7	661.9	669.9	807.0	989.8	1081.2	1246.9	1578.4
127.5°	701.9	669.4	636.9	669.4	701.9	710.0	828.9	987.3	1066.5	1208.8	1493.4
130°	727.9	693.0	658.0	693.0	727.9	736.7	844.7	988.7	1060.8	1187.5	1440.8
132.5°	749.7	714.8	679.8	714.8	749.7	758.5	857.6	989.8	1055.9	1169.3	1396.1
135°	775.8	744.0	712.1	744.0	775.8	783.8	871.7	988.9	1047.5	1142.4	1332.4
137.5°	808.3	776.7	745.1	776.7	808.3	816.2	892.8	995.0	1046.0	1126.3	1286.9
140°	830.7	801.6	772.6	801.6	830.7	837.9	905.6	995.9	1041.1	1110.5	1249.2
142.5°	847.4	820.5	793.6	820.5	847.4	854.1	916.5	999.6	1041.1	1102.0	1223.9
145°	872.8	849.4	826.0	849.4	872.8	878.7	930.5	999.6	1034.1	1083.9	1183.6
147.5°	904.0	881.2	858.4	881.2	904.0	909.7	951.1	1006.4	1034.1	1073.2	1151.7
150°	920.6	900.1	879.5	900.1	920.6	925.8	961.9	1010.0	1034.1	1067.2	1133.4
152.5°	932.5	916.8	901.2	916.8	932.5	936.4	969.0	1012.3	1034.1	1062.3	1118.9
155°	956.7	945.2	933.6	945.2	956.7	959.6	984.4	1017.5	1034.1	1056.6	1101.6
157.5°	979.9	968.7	957.5	968.7	979.9	982.7	999.8	1022.7	1034.1	1051.5	1086.6
160°	991.2	982.4	973.6	982.4	991.2	993.3	1006.9	1025.0	1034.1	1049.1	1079.0
162.5°	1002.9	996.3	989.8	996.3	1002.9	1004.5	1014.4	1027.5	1034.1	1046.7	1072.0
165°	1019.3	1013.3	1007.4	1013.3	1019.3	1020.8	1025.2	1031.1	1034.1	1043.1	1061.3
167.5°	1029.2	1026.4	1023.6	1026.4	1029.2	1029.9	1033.6	1038.6	1041.1	1047.1	1058.9
170°	1039.7	1036.9	1034.1	1036.9	1039.7	1040.4	1040.7	1040.9	1041.1	1047.1	1058.9
172.5°	1040.9	1040.3	1039.7	1040.3	1040.9	1041.1	1041.1	1041.1	1041.1	1045.8	1055.1
175°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1045.4	1042.6	1041.1	1044.1	1050.1
177.5°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1045.8	1043.6	1042.5	1044.8	1049.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



TEST NUMBER: P935663

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1829.6	1824.3	1831.4	1811.7	1831.4	1824.3	1829.6	1842.2	1831.4	1838.6	1845.7
5°	1605.4	1596.4	1567.7	1544.4	1567.7	1596.4	1605.4	1643.0	1661.0	1693.3	1736.4
7.5°	1435.0	1427.8	1420.7	1406.3	1420.7	1427.8	1435.0	1445.7	1463.6	1492.4	1524.7
10°	1397.3	1399.1	1409.9	1408.1	1409.9	1399.1	1397.3	1393.8	1388.3	1393.8	1413.5
12.5°	1494.1	1510.4	1569.5	1565.9	1569.5	1510.4	1494.1	1422.5	1374.0	1365.1	1368.6
15°	1605.4	1610.7	1623.3	1625.1	1623.3	1610.7	1605.4	1576.7	1431.4	1368.6	1348.9
17.5°	1616.2	1618.0	1626.9	1626.9	1626.9	1618.0	1616.2	1603.6	1555.2	1470.9	1359.6
20°	1607.2	1610.7	1628.7	1632.3	1628.7	1610.7	1607.2	1591.0	1564.1	1533.6	1449.3
22.5°	1603.6	1610.7	1625.1	1623.3	1625.1	1610.7	1603.6	1578.5	1555.2	1533.6	1499.6
25°	1585.7	1585.7	1587.5	1589.3	1587.5	1585.7	1585.7	1565.9	1519.3	1513.9	1494.1
27.5°	1548.0	1551.5	1562.3	1560.6	1562.3	1551.5	1548.0	1540.9	1490.6	1485.2	1470.9
30°	1513.9	1510.4	1501.4	1494.1	1501.4	1510.4	1513.9	1503.1	1453.0	1438.6	1442.2
32.5°	1456.5	1447.5	1438.6	1433.2	1438.6	1447.5	1456.5	1453.0	1415.2	1395.5	1399.1
35°	1388.3	1390.1	1388.3	1383.0	1388.3	1390.1	1388.3	1392.0	1368.6	1350.7	1348.9
37.5°	1339.9	1343.5	1341.7	1334.6	1341.7	1343.5	1339.9	1336.3	1304.1	1298.6	1302.3
40°	1289.7	1291.5	1289.7	1284.3	1289.7	1291.5	1289.7	1282.5	1237.7	1239.4	1252.0
42.5°	1241.2	1239.4	1234.1	1230.5	1234.1	1239.4	1241.2	1230.5	1173.1	1167.7	1191.0
45°	1185.7	1187.5	1176.7	1171.3	1176.7	1187.5	1185.7	1178.5	1119.3	1104.9	1121.0
47.5°	1130.1	1130.1	1121.0	1115.7	1121.0	1130.1	1130.1	1121.0	1058.3	1043.9	1052.9
50°	1070.9	1069.1	1056.5	1054.7	1056.5	1069.1	1070.9	1065.5	999.1	986.5	986.5
52.5°	1002.7	1002.7	1004.5	1008.1	1004.5	1002.7	1002.7	1004.5	945.3	932.8	929.1
55°	943.5	945.3	957.8	961.5	957.8	945.3	943.5	943.5	889.7	877.1	870.0
57.5°	882.5	882.5	891.5	891.5	891.5	882.5	882.5	878.9	827.0	816.2	812.6
60°	812.6	816.2	823.3	821.5	823.3	816.2	812.6	808.9	764.1	757.0	744.4
62.5°	739.0	742.6	744.4	740.8	744.4	742.6	739.0	728.3	701.3	696.0	679.9
65°	661.9	665.5	667.3	663.7	667.3	665.5	661.9	656.5	636.8	627.8	613.4
67.5°	582.9	581.2	579.4	586.5	579.4	581.2	582.9	575.8	563.2	556.0	536.3
70°	502.3	502.3	500.5	504.0	500.5	502.3	502.3	496.8	489.7	484.4	466.3
72.5°	416.1	414.4	421.5	416.1	421.5	414.4	416.1	414.4	410.8	405.4	387.4
75°	331.8	335.5	331.8	337.3	331.8	335.5	331.8	333.6	331.8	328.2	315.7
77.5°	252.9	256.5	252.9	252.9	252.9	256.5	252.9	254.7	254.7	254.7	243.9
80°	179.4	177.6	177.6	175.8	177.6	177.6	179.4	179.4	181.1	177.6	174.0
82.5°	114.8	113.0	113.0	116.6	113.0	113.0	114.8	116.6	113.0	113.0	113.0
85°	62.8	64.5	61.0	61.0	61.0	64.5	62.8	59.2	62.8	62.8	61.0
87.5°	23.4	21.5	21.5	21.5	21.5	21.5	23.4	25.1	25.1	25.1	26.9
90°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	35.6	47.4	53.4	45.9
92.5°	133.6	128.3	107.0	85.7	107.0	128.3	133.6	189.4	263.7	300.9	264.1
95°	453.4	437.3	372.9	308.6	372.9	437.3	453.4	595.4	784.8	879.5	742.8
97.5°	1046.7	1016.1	893.7	771.2	893.7	1016.1	1046.7	1136.5	1256.2	1316.0	1088.1
100°	1469.9	1433.4	1287.6	1141.7	1287.6	1433.4	1469.9	1463.4	1454.6	1450.2	1197.3
102.5°	1831.2	1800.0	1675.0	1550.1	1675.0	1800.0	1831.2	1716.9	1564.4	1488.2	1231.7
105°	2253.0	2236.2	2169.0	2101.9	2169.0	2236.2	2253.0	1996.7	1654.9	1484.0	1235.6
107.5°	2472.4	2476.4	2492.6	2508.9	2492.6	2476.4	2472.4	2114.8	1638.1	1399.7	1180.6
110°	2528.7	2546.1	2616.1	2686.1	2616.1	2546.1	2528.7	2128.8	1595.8	1329.3	1131.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2492.7	2519.6	2627.0	2734.6	2627.0	2519.6	2492.7	2083.6	1538.0	1265.3	1089.3
115°	2371.2	2408.5	2557.4	2706.4	2557.4	2408.5	2371.2	1977.1	1451.5	1188.7	1040.5
117.5°	2203.2	2244.4	2409.7	2575.0	2409.7	2244.4	2203.2	1847.4	1373.1	1136.0	1009.9
120°	2089.9	2130.1	2290.7	2451.3	2290.7	2130.1	2089.9	1764.9	1331.6	1114.9	999.6
122.5°	1976.8	2016.3	2174.7	2333.1	2174.7	2016.3	1976.8	1684.1	1293.9	1098.8	994.2
125°	1827.1	1863.5	2009.5	2155.4	2009.5	1863.5	1827.1	1578.4	1246.9	1081.2	989.8
127.5°	1706.9	1737.6	1860.7	1983.8	1860.7	1737.6	1706.9	1493.4	1208.8	1066.5	987.3
130°	1630.9	1659.3	1773.1	1886.8	1773.1	1659.3	1630.9	1440.8	1187.5	1060.8	988.7
132.5°	1566.2	1591.6	1693.6	1795.4	1693.6	1591.6	1566.2	1396.1	1169.3	1055.9	989.8
135°	1474.9	1496.8	1584.6	1672.4	1584.6	1496.8	1474.9	1332.4	1142.4	1047.5	988.9
137.5°	1407.3	1425.3	1497.1	1569.0	1497.1	1425.3	1407.3	1286.9	1126.3	1046.0	995.0
140°	1353.2	1370.1	1437.2	1504.4	1437.2	1370.1	1353.2	1249.2	1110.5	1041.1	995.9
142.5°	1315.3	1329.8	1387.5	1445.4	1387.5	1329.8	1315.3	1223.9	1102.0	1041.1	999.6
145°	1258.4	1269.3	1313.0	1356.7	1313.0	1269.3	1258.4	1183.6	1083.9	1034.1	999.6
147.5°	1210.6	1219.6	1255.9	1292.1	1255.9	1219.6	1210.6	1151.7	1073.2	1034.1	1006.4
150°	1183.1	1190.5	1219.9	1249.2	1219.9	1190.5	1183.1	1133.4	1067.2	1034.1	1010.0
152.5°	1161.3	1166.8	1189.0	1211.2	1189.0	1166.8	1161.3	1118.9	1062.3	1034.1	1012.3
155°	1135.3	1139.1	1153.7	1168.4	1153.7	1139.1	1135.3	1101.6	1056.6	1034.1	1017.5
157.5°	1112.8	1115.3	1125.7	1136.0	1125.7	1115.3	1112.8	1086.6	1051.5	1034.1	1022.7
160°	1101.6	1103.0	1109.0	1114.9	1109.0	1103.0	1101.6	1079.0	1049.1	1034.1	1025.0
162.5°	1091.0	1092.4	1098.1	1103.7	1098.1	1092.4	1091.0	1072.0	1046.7	1034.1	1027.5
165°	1074.9	1076.3	1082.3	1088.2	1082.3	1076.3	1074.9	1061.3	1043.1	1034.1	1031.1
167.5°	1067.8	1068.5	1070.9	1073.4	1070.9	1068.5	1067.8	1058.9	1047.1	1041.1	1038.6
170°	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1058.9	1047.1	1041.1	1040.9
172.5°	1062.2	1061.7	1059.5	1057.3	1059.5	1061.7	1062.2	1055.1	1045.8	1041.1	1041.1
175°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1050.1	1044.1	1041.1	1042.6
177.5°	1053.1	1052.4	1050.0	1047.5	1050.0	1052.4	1053.1	1049.5	1044.8	1042.5	1043.6
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1872.7	1881.6	1887.0	1894.1	1912.2
5°	1800.9	1835.0	1845.7	1872.7	1904.9
7.5°	1643.0	1747.1	1775.8	1840.4	1890.6
10°	1490.6	1594.6	1644.9	1797.3	1872.7
12.5°	1413.5	1474.4	1508.5	1722.0	1847.5
15°	1365.1	1408.1	1433.2	1621.5	1818.8
17.5°	1327.3	1357.8	1375.8	1522.8	1779.4
20°	1304.1	1318.4	1334.6	1451.2	1734.6
22.5°	1287.9	1278.9	1291.5	1400.9	1673.6
25°	1277.2	1243.1	1257.4	1361.5	1601.8
27.5°	1286.1	1210.7	1216.2	1325.6	1526.5
30°	1287.9	1171.3	1173.1	1287.9	1442.2
32.5°	1275.4	1130.1	1131.8	1241.2	1347.1
35°	1244.9	1081.6	1079.9	1187.5	1218.0
37.5°	1203.6	1029.6	1029.6	1128.3	1076.2
40°	1153.4	977.6	983.0	1051.2	950.7
42.5°	1092.3	922.0	929.1	948.9	857.4
45°	1026.0	868.1	873.6	801.8	785.7
47.5°	952.5	812.6	814.4	665.5	762.3
50°	864.6	755.2	748.0	570.4	760.5
52.5°	787.5	692.4	670.8	516.6	690.5
55°	712.1	626.0	579.4	475.3	640.4
57.5°	645.7	539.9	495.0	426.9	629.6
60°	584.7	455.6	421.5	374.9	577.6
62.5°	534.5	392.8	385.7	339.0	523.7
65°	480.7	349.8	347.9	308.5	444.9
67.5°	428.7	321.1	319.3	279.8	339.0
70°	373.1	290.6	287.0	249.4	251.1
72.5°	315.7	256.5	252.9	224.2	208.1
75°	258.3	217.1	215.2	195.5	168.6
77.5°	202.7	172.2	175.8	157.9	123.7
80°	145.3	125.5	129.2	113.0	93.2
82.5°	96.9	82.6	86.1	71.8	62.8
85°	53.9	46.6	48.4	37.7	28.7
87.5°	25.1	21.5	21.5	14.4	9.0
90°	30.9	19.6	18.3	12.7	7.1
92.5°	190.7	135.7	123.7	75.9	28.2
95°	469.3	264.3	242.4	155.0	67.5
97.5°	632.2	290.3	271.0	193.8	116.7
100°	691.5	312.1	294.6	224.7	154.7
102.5°	718.7	333.9	317.6	252.3	187.0
105°	738.8	366.2	352.4	297.2	241.9
107.5°	742.6	414.0	401.2	349.6	298.1
110°	736.9	440.7	429.0	382.5	336.0



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CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	737.2	473.1	462.0	417.6	373.3
115°	744.0	521.6	511.4	470.4	429.5
117.5°	757.8	568.7	559.4	522.3	485.1
120°	769.0	596.1	587.4	552.4	517.4
122.5°	785.2	628.5	619.7	584.4	549.1
125°	807.0	669.9	661.9	629.7	597.5
127.5°	828.9	710.0	701.9	669.4	636.9
130°	844.7	736.7	727.9	693.0	658.0
132.5°	857.6	758.5	749.7	714.8	679.8
135°	871.7	783.8	775.8	744.0	712.1
137.5°	892.8	816.2	808.3	776.7	745.1
140°	905.6	837.9	830.7	801.6	772.6
142.5°	916.5	854.1	847.4	820.5	793.6
145°	930.5	878.7	872.8	849.4	826.0
147.5°	951.1	909.7	904.0	881.2	858.4
150°	961.9	925.8	920.6	900.1	879.5
152.5°	969.0	936.4	932.5	916.8	901.2
155°	984.4	959.6	956.7	945.2	933.6
157.5°	999.8	982.7	979.9	968.7	957.5
160°	1006.9	993.3	991.2	982.4	973.6
162.5°	1014.4	1004.5	1002.9	996.3	989.8
165°	1025.2	1020.8	1019.3	1013.3	1007.4
167.5°	1033.6	1029.9	1029.2	1026.4	1023.6
170°	1040.7	1040.4	1039.7	1036.9	1034.1
172.5°	1041.1	1041.1	1040.9	1040.3	1039.7
175°	1045.4	1047.5	1047.5	1047.5	1047.5
177.5°	1045.8	1047.5	1047.5	1047.5	1047.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5



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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	12.57	13.36	13.59	14.40	15.78	15.39	16.19	16.42	17.22	18.60
	3H	13.04	13.75	14.08	14.79	16.19	16.73	17.44	17.77	18.48	19.89
	4H	13.23	13.90	14.28	14.95	16.35	17.17	17.85	18.22	18.89	20.30
	6H	13.35	13.97	14.40	15.01	16.43	17.45	18.07	18.51	19.12	20.54
	8H	13.35	13.94	14.41	15.00	16.41	17.53	18.12	18.59	19.18	20.59
	12H	13.31	13.87	14.38	14.93	16.37	17.56	18.12	18.63	19.18	20.62
4H	2H	13.59	14.27	14.65	15.31	16.72	15.80	16.47	16.85	17.51	18.92
	3H	14.61	15.18	15.67	16.25	17.67	17.29	17.86	18.35	18.93	20.35
	4H	14.89	15.40	15.95	16.46	17.91	17.82	18.33	18.88	19.39	20.84
	6H	15.01	15.45	16.08	16.54	17.97	18.18	18.62	19.25	19.70	21.14
	8H	15.01	15.43	16.09	16.50	17.96	18.28	18.69	19.36	19.77	21.22
	12H	14.98	15.35	16.07	16.44	17.90	18.33	18.71	19.43	19.80	21.26
8H	4H	15.33	15.75	16.41	16.82	18.28	17.94	18.35	19.01	19.43	20.88
	6H	15.59	15.93	16.69	17.05	18.50	18.37	18.71	19.47	19.83	21.28
	8H	15.64	15.93	16.74	17.04	18.51	18.52	18.82	19.63	19.92	21.39
	12H	15.62	15.88	16.73	16.98	18.49	18.61	18.88	19.72	19.97	21.48
12H	4H	15.34	15.71	16.43	16.80	18.26	17.90	18.27	18.99	19.36	20.82
	6H	15.65	15.95	16.76	17.05	18.52	18.37	18.67	19.47	19.77	21.24
	8H	15.72	15.98	16.83	17.08	18.59	18.52	18.79	19.63	19.88	21.39