

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: P935690

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

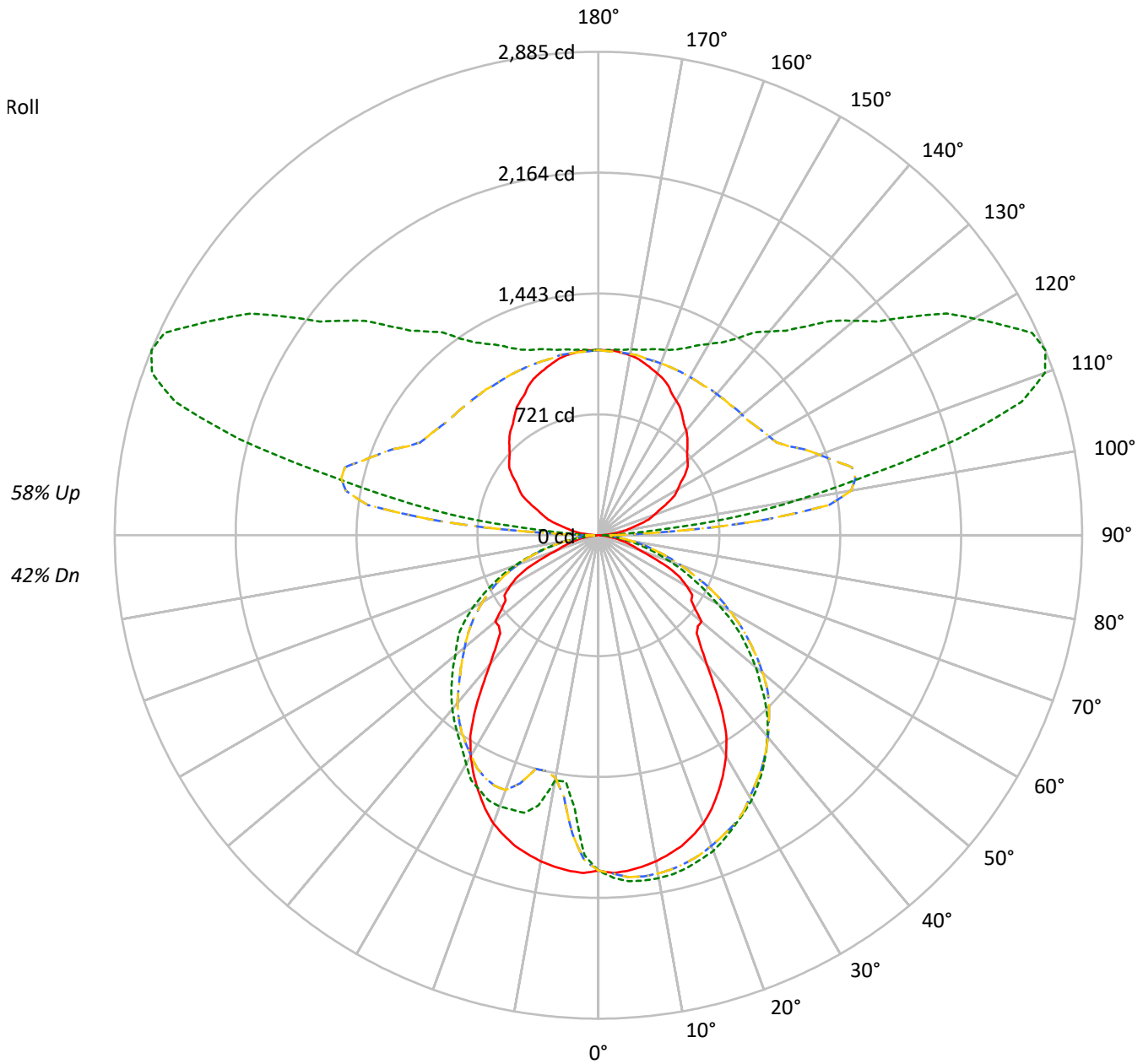
Test Method: LM-79-2019  
Report Number: P935690  
REPORT IS A COMBINATION OF REPORTS P933763 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12354.8 lumens  
Efficiency: N/A  
Efficacy: 127.9 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°	12374	12374	12374	12374
5°	12462	12492	12462	9822
10°	12375	12305	12375	8797
15°	12235	12038	12235	10052
20°	11975	11723	11975	10073
25°	11446	11262	11446	9860
30°	10765	10879	10765	9391
35°	9592	10395	9592	8876
40°	7988	9826	7988	8487
45°	7133	9160	7133	8039
50°	7572	8364	7572	7590
55°	7118	7508	7118	7331
60°	7328	6376	7328	6714
65°	6634	5271	6634	5892
70°	4581	4201	4581	4938
75°	4003	3105	4003	3719
80°	3203	2054	3203	2236
85°	1806	1087	1806	925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10940 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.6	1.5
10°-20°	512.7	4.1
20°-30°	792.5	6.4
30°-40°	946.1	7.7
40°-50°	951.6	7.7
50°-60°	828.0	6.7
60°-70°	587.1	4.8
70°-80°	310.6	2.5
80°-90°	81.6	0.7
90°-100°	538.7	4.4
100°-110°	1416.2	11.5
110°-120°	1468.5	11.9
120°-130°	1177.9	9.5
130°-140°	924.2	7.5
140°-150°	709.4	5.7
150°-160°	510.9	4.1
160°-170°	312.6	2.5
170°-180°	105.6	0.9
0°-30°	1485.8	12.0
0°-40°	2431.9	19.7
0°-60°	4211.6	34.1
0°-90°	5190.8	42.0
90°-120°	3423.4	27.7
90°-150°	6234.9	50.5
90°-180°	7164.0	58.0
0°-180°	12354.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2000	2000	2000	2000	2000	
5°	2010	2072	2010	1629	2010	191
15°	1919	2053	1919	1715	1919	540
25°	1690	1915	1690	1677	1690	776
35°	1285	1709	1285	1459	1285	795
45°	829	1408	829	1236	829	664
55°	676	1039	676	1014	676	621
65°	469	626	469	700	469	449
75°	178	297	178	356	178	187
85°	30	76	30	64	30	41
90°	7	28	7	28	7	7
95°	71	326	71	326	71	79
105°	255	2218	255	2218	255	271
115°	453	2855	453	2855	453	448
125°	630	2274	630	2274	630	560
135°	751	1764	751	1764	751	581
145°	871	1431	871	1431	871	546
155°	985	1233	985	1233	985	453
165°	1063	1148	1063	1148	1063	300
175°	1105	1113	1105	1113	1105	105
180°	1105	1105	1105	1105	1105	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2017.4	2017.4	2028.8	2032.5	2032.5	2026.9	2021.2	2026.9	2043.9	2049.6	2047.7
5°	2009.8	2025.0	2045.8	2049.6	2053.3	2051.4	2047.7	2051.4	2070.3	2074.2	2076.1
7.5°	1994.7	2023.1	2049.6	2055.3	2060.9	2055.3	2053.3	2057.2	2076.1	2079.9	2079.9
10°	1975.8	2015.5	2045.8	2049.6	2055.3	2049.6	2049.6	2057.2	2076.1	2079.9	2081.7
12.5°	1949.3	2004.2	2032.5	2036.3	2043.9	2042.0	2040.1	2047.7	2066.6	2070.3	2070.3
15°	1919.0	1983.3	2009.8	2013.6	2026.9	2023.1	2023.1	2030.6	2051.4	2057.2	2055.3
17.5°	1877.3	1956.8	1987.2	1992.8	2002.3	2000.3	2002.3	2009.8	2028.8	2032.5	2034.4
20°	1830.1	1920.9	1956.8	1962.5	1972.0	1972.0	1972.0	1981.4	2000.3	2008.0	2008.0
22.5°	1765.7	1883.1	1920.9	1924.7	1936.1	1936.1	1939.8	1953.1	1970.1	1972.0	1972.0
25°	1690.0	1841.4	1873.6	1884.9	1896.2	1902.0	1907.6	1915.3	1920.9	1919.0	1920.9
27.5°	1610.5	1788.4	1830.1	1837.6	1852.8	1858.4	1866.0	1867.9	1869.8	1875.4	1871.7
30°	1521.6	1714.6	1777.1	1784.6	1809.2	1813.0	1805.4	1809.2	1818.7	1822.5	1826.2
32.5°	1421.2	1604.9	1722.2	1739.2	1761.9	1750.5	1748.7	1754.3	1769.5	1769.5	1773.2
35°	1285.0	1519.7	1671.1	1686.2	1703.2	1690.0	1697.6	1699.4	1708.9	1714.6	1712.7
37.5°	1135.5	1445.9	1618.1	1629.4	1642.7	1625.7	1637.0	1642.7	1650.2	1646.5	1646.5
40°	1003.0	1330.4	1555.6	1563.2	1574.6	1561.3	1572.7	1576.4	1580.2	1576.4	1574.6
42.5°	904.6	1203.6	1489.4	1498.9	1491.3	1500.8	1504.5	1512.1	1506.4	1498.9	1498.9
45°	828.9	1169.6	1417.5	1428.9	1417.5	1432.6	1438.3	1438.3	1421.2	1417.5	1415.6
47.5°	804.3	1101.4	1345.6	1345.6	1339.9	1358.8	1368.2	1355.0	1338.0	1332.3	1332.3
50°	802.4	1025.8	1247.1	1239.6	1266.0	1288.8	1279.3	1266.0	1252.9	1232.0	1232.0
52.5°	728.6	933.0	1120.3	1148.8	1190.4	1203.6	1188.5	1175.2	1152.5	1143.0	1135.5
55°	675.7	836.5	1004.9	1061.7	1105.2	1122.2	1093.9	1080.6	1046.6	1040.9	1037.1
57.5°	664.3	696.5	898.9	970.9	1023.9	1021.9	1004.9	980.3	951.9	946.2	944.4
60°	609.4	503.4	785.4	870.6	925.4	919.8	904.6	881.9	855.4	851.7	847.8
62.5°	552.6	365.3	656.7	753.2	830.8	828.9	815.7	781.6	762.7	753.2	745.7
65°	469.4	306.6	467.5	626.4	738.1	741.8	713.5	688.8	668.0	656.7	654.8
67.5°	357.6	249.8	316.0	522.3	649.1	645.4	609.4	598.0	571.6	565.8	554.5
70°	264.9	166.6	219.6	423.9	562.1	552.6	524.2	511.0	486.4	473.1	465.6
72.5°	219.6	134.4	160.8	329.3	473.1	461.7	437.2	422.0	401.2	389.8	382.3
75°	177.9	141.9	123.0	244.1	384.2	376.7	353.9	338.7	321.7	306.6	308.5
77.5°	130.5	132.5	98.4	179.8	304.6	293.4	280.1	261.2	253.6	238.5	238.5
80°	98.4	104.1	73.8	123.0	219.6	219.6	208.2	194.9	181.6	174.1	174.1
82.5°	66.3	66.3	54.9	77.5	149.6	143.8	136.3	132.5	124.9	121.1	121.1
85°	30.3	37.8	34.1	47.3	81.4	85.2	85.2	81.4	79.5	75.7	77.5
87.5°	9.5	17.0	20.8	26.5	41.6	43.5	45.5	45.5	45.5	47.3	47.3
90°	7.4	13.4	19.3	20.7	32.6	48.4	56.3	50.0	37.5	28.2	28.2
92.5°	29.7	80.1	130.5	143.2	201.2	278.7	317.4	278.2	199.8	141.0	135.3
95°	71.2	163.5	255.7	278.9	495.2	783.7	927.9	828.0	628.2	478.4	461.4
97.5°	123.1	204.5	285.9	306.3	667.0	1148.0	1388.5	1325.3	1199.1	1104.4	1072.1
100°	163.2	237.0	310.9	329.3	729.5	1263.3	1530.1	1534.7	1543.9	1550.8	1512.3
102.5°	197.3	266.2	335.1	352.3	758.3	1299.5	1570.1	1650.5	1811.4	1932.1	1899.1
105°	255.2	313.5	371.8	386.4	779.5	1303.7	1565.7	1746.0	2106.6	2377.1	2359.3
107.5°	314.5	368.8	423.3	436.8	783.5	1245.6	1476.7	1728.3	2231.3	2608.5	2612.8
110°	354.5	403.6	452.7	465.0	777.5	1194.1	1402.5	1683.7	2246.1	2667.9	2686.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	393.8	440.6	487.4	499.2	777.8	1149.2	1335.0	1622.7	2198.3	2630.0	2658.3
115°	453.1	496.3	539.6	550.4	785.0	1097.8	1254.2	1531.4	2085.9	2501.7	2541.1
117.5°	511.8	551.0	590.2	600.0	799.5	1065.5	1198.5	1448.7	1949.2	2324.5	2368.0
120°	545.9	582.8	619.7	629.0	811.4	1054.6	1176.3	1404.9	1862.1	2205.0	2247.4
122.5°	579.3	616.5	653.8	663.1	828.5	1049.0	1159.3	1365.2	1776.9	2085.6	2127.4
125°	630.4	664.4	698.3	706.8	851.5	1044.3	1140.7	1315.6	1665.3	1927.7	1966.2
127.5°	671.9	706.2	740.5	749.1	874.5	1041.6	1125.2	1275.3	1575.7	1800.8	1833.3
130°	694.2	731.1	768.0	777.3	891.2	1043.1	1119.2	1252.9	1520.2	1720.7	1750.7
132.5°	717.2	754.2	791.0	800.3	904.9	1044.3	1114.0	1233.7	1473.0	1652.4	1679.3
135°	751.3	784.9	818.5	826.9	919.7	1043.3	1105.1	1205.3	1405.8	1556.1	1579.2
137.5°	786.2	819.5	852.8	861.1	941.9	1049.7	1103.6	1188.3	1357.7	1484.8	1503.7
140°	815.1	845.7	876.4	884.0	955.5	1050.8	1098.4	1171.6	1318.0	1427.7	1445.5
142.5°	837.3	865.7	894.1	901.1	966.9	1054.6	1098.4	1162.7	1291.3	1387.7	1403.0
145°	871.4	896.2	920.9	927.1	981.7	1054.6	1091.0	1143.6	1248.8	1327.6	1339.2
147.5°	905.6	929.7	953.8	959.8	1003.5	1061.9	1091.0	1132.3	1215.1	1277.2	1286.8
150°	927.9	949.7	971.3	976.8	1014.9	1065.6	1091.0	1125.9	1195.9	1248.3	1256.0
152.5°	950.8	967.3	983.8	987.9	1022.3	1068.1	1091.0	1120.8	1180.5	1225.3	1231.1
155°	985.0	997.2	1009.3	1012.4	1038.6	1073.5	1091.0	1114.8	1162.2	1197.9	1201.8
157.5°	1010.2	1022.0	1033.9	1036.8	1054.9	1079.0	1091.0	1109.4	1146.4	1174.1	1176.8
160°	1027.2	1036.5	1045.7	1048.0	1062.3	1081.4	1091.0	1106.8	1138.5	1162.2	1163.8
162.5°	1044.3	1051.2	1058.1	1059.9	1070.3	1084.1	1091.0	1104.4	1131.0	1151.1	1152.6
165°	1062.8	1069.1	1075.4	1077.0	1081.6	1087.8	1091.0	1100.5	1119.7	1134.1	1135.6
167.5°	1079.9	1082.9	1085.8	1086.6	1090.5	1095.8	1098.4	1104.7	1117.3	1126.6	1127.3
170°	1091.0	1094.0	1096.9	1097.7	1098.0	1098.2	1098.4	1104.7	1117.3	1126.6	1126.6
172.5°	1096.9	1097.6	1098.2	1098.4	1098.4	1098.4	1098.4	1103.4	1113.2	1120.7	1120.1
175°	1105.1	1105.1	1105.1	1105.1	1102.9	1100.0	1098.4	1101.6	1107.9	1112.6	1112.6
177.5°	1105.1	1105.1	1105.1	1105.1	1103.4	1101.0	1099.9	1102.4	1107.3	1111.0	1110.4
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2051.4	2045.8	2051.4	2047.7	2049.6	2043.9	2026.9	2021.2	2026.9	2032.5	2032.5
5°	2076.1	2072.3	2076.1	2076.1	2074.2	2070.3	2051.4	2047.7	2051.4	2053.3	2049.6
7.5°	2083.6	2078.0	2083.6	2079.9	2079.9	2076.1	2057.2	2053.3	2055.3	2060.9	2055.3
10°	2083.6	2078.0	2083.6	2081.7	2079.9	2076.1	2057.2	2049.6	2049.6	2055.3	2049.6
12.5°	2074.2	2070.3	2074.2	2070.3	2070.3	2066.6	2047.7	2040.1	2042.0	2043.9	2036.3
15°	2059.1	2053.3	2059.1	2055.3	2057.2	2051.4	2030.6	2023.1	2023.1	2026.9	2013.6
17.5°	2036.3	2028.8	2036.3	2034.4	2032.5	2028.8	2009.8	2002.3	2000.3	2002.3	1992.8
20°	2009.8	2004.2	2009.8	2008.0	2008.0	2000.3	1981.4	1972.0	1972.0	1972.0	1962.5
22.5°	1968.2	1962.5	1968.2	1972.0	1972.0	1970.1	1953.1	1939.8	1936.1	1936.1	1924.7
25°	1920.9	1915.3	1920.9	1920.9	1919.0	1920.9	1915.3	1907.6	1902.0	1896.2	1884.9
27.5°	1875.4	1871.7	1875.4	1871.7	1875.4	1869.8	1867.9	1866.0	1858.4	1852.8	1837.6
30°	1830.1	1826.2	1830.1	1826.2	1822.5	1818.7	1809.2	1805.4	1813.0	1809.2	1784.6
32.5°	1773.2	1769.5	1773.2	1773.2	1769.5	1769.5	1754.3	1748.7	1750.5	1761.9	1739.2
35°	1714.6	1708.9	1714.6	1712.7	1714.6	1708.9	1699.4	1697.6	1690.0	1703.2	1686.2
37.5°	1646.5	1640.8	1646.5	1646.5	1646.5	1650.2	1642.7	1637.0	1625.7	1642.7	1629.4
40°	1576.4	1568.9	1576.4	1574.6	1576.4	1580.2	1576.4	1572.7	1561.3	1574.6	1563.2
42.5°	1497.0	1495.1	1497.0	1498.9	1498.9	1506.4	1512.1	1504.5	1500.8	1491.3	1498.9
45°	1411.8	1408.1	1411.8	1415.6	1417.5	1421.2	1438.3	1438.3	1432.6	1417.5	1428.9
47.5°	1321.0	1311.5	1321.0	1332.3	1332.3	1338.0	1355.0	1368.2	1358.8	1339.9	1345.6
50°	1224.4	1226.3	1224.4	1232.0	1232.0	1252.9	1266.0	1279.3	1288.8	1266.0	1239.6
52.5°	1129.9	1128.0	1129.9	1135.5	1143.0	1152.5	1175.2	1188.5	1203.6	1190.4	1148.8
55°	1035.2	1038.9	1035.2	1037.1	1040.9	1046.6	1080.6	1093.9	1122.2	1105.2	1061.7
57.5°	940.6	934.8	940.6	944.4	946.2	951.9	980.3	1004.9	1021.9	1023.9	970.9
60°	830.8	823.2	830.8	847.8	851.7	855.4	881.9	904.6	919.8	925.4	870.6
62.5°	734.3	721.0	734.3	745.7	753.2	762.7	781.6	815.7	828.9	830.8	753.2
65°	632.1	626.4	632.1	654.8	656.7	668.0	688.8	713.5	741.8	738.1	626.4
67.5°	539.4	539.4	539.4	554.5	565.8	571.6	598.0	609.4	645.4	649.1	522.3
70°	454.2	452.3	454.2	465.6	473.1	486.4	511.0	524.2	552.6	562.1	423.9
72.5°	372.8	370.9	372.8	382.3	389.8	401.2	422.0	437.2	461.7	473.1	329.3
75°	300.9	297.1	300.9	308.5	306.6	321.7	338.7	353.9	376.7	384.2	244.1
77.5°	230.9	230.9	230.9	238.5	238.5	253.6	261.2	280.1	293.4	304.6	179.8
80°	172.2	170.4	172.2	174.1	174.1	181.6	194.9	208.2	219.6	219.6	123.0
82.5°	121.1	117.4	121.1	121.1	121.1	124.9	132.5	136.3	143.8	149.6	77.5
85°	75.7	75.7	75.7	77.5	75.7	79.5	81.4	85.2	85.2	81.4	47.3
87.5°	49.2	47.3	49.2	47.3	47.3	45.5	45.5	45.5	43.5	41.6	26.5
90°	28.2	28.2	28.2	28.2	28.2	37.5	50.0	56.3	48.4	32.6	20.7
92.5°	112.9	90.4	112.9	135.3	141.0	199.8	278.2	317.4	278.7	201.2	143.2
95°	393.5	325.6	393.5	461.4	478.4	628.2	828.0	927.9	783.7	495.2	278.9
97.5°	942.9	813.7	942.9	1072.1	1104.4	1199.1	1325.3	1388.5	1148.0	667.0	306.3
100°	1358.5	1204.5	1358.5	1512.3	1550.8	1543.9	1534.7	1530.1	1263.3	729.5	329.3
102.5°	1767.2	1635.4	1767.2	1899.1	1932.1	1811.4	1650.5	1570.1	1299.5	758.3	352.3
105°	2288.5	2217.6	2288.5	2359.3	2377.1	2106.6	1746.0	1565.7	1303.7	779.5	386.4
107.5°	2629.9	2647.1	2629.9	2612.8	2608.5	2231.3	1728.3	1476.7	1245.6	783.5	436.8
110°	2760.1	2834.0	2760.1	2686.3	2667.9	2246.1	1683.7	1402.5	1194.1	777.5	465.0





TEST NUMBER: P935690

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2771.7	2885.2	2771.7	2658.3	2630.0	2198.3	1622.7	1335.0	1149.2	777.8	499.2
115°	2698.3	2855.4	2698.3	2541.1	2501.7	2085.9	1531.4	1254.2	1097.8	785.0	550.4
117.5°	2542.4	2716.8	2542.4	2368.0	2324.5	1949.2	1448.7	1198.5	1065.5	799.5	600.0
120°	2416.8	2586.2	2416.8	2247.4	2205.0	1862.1	1404.9	1176.3	1054.6	811.4	629.0
122.5°	2294.5	2461.6	2294.5	2127.4	2085.6	1776.9	1365.2	1159.3	1049.0	828.5	663.1
125°	2120.1	2274.0	2120.1	1966.2	1927.7	1665.3	1315.6	1140.7	1044.3	851.5	706.8
127.5°	1963.2	2093.1	1963.2	1833.3	1800.8	1575.7	1275.3	1125.2	1041.6	874.5	749.1
130°	1870.7	1990.7	1870.7	1750.7	1720.7	1520.2	1252.9	1119.2	1043.1	891.2	777.3
132.5°	1786.8	1894.2	1786.8	1679.3	1652.4	1473.0	1233.7	1114.0	1044.3	904.9	800.3
135°	1671.8	1764.5	1671.8	1579.2	1556.1	1405.8	1205.3	1105.1	1043.3	919.7	826.9
137.5°	1579.6	1655.4	1579.6	1503.7	1484.8	1357.7	1188.3	1103.6	1049.7	941.9	861.1
140°	1516.3	1587.2	1516.3	1445.5	1427.7	1318.0	1171.6	1098.4	1050.8	955.5	884.0
142.5°	1463.9	1524.9	1463.9	1403.0	1387.7	1291.3	1162.7	1098.4	1054.6	966.9	901.1
145°	1385.3	1431.4	1385.3	1339.2	1327.6	1248.8	1143.6	1091.0	1054.6	981.7	927.1
147.5°	1325.1	1363.3	1325.1	1286.8	1277.2	1215.1	1132.3	1091.0	1061.9	1003.5	959.8
150°	1287.1	1318.0	1287.1	1256.0	1248.3	1195.9	1125.9	1091.0	1065.6	1014.9	976.8
152.5°	1254.5	1277.9	1254.5	1231.1	1225.3	1180.5	1120.8	1091.0	1068.1	1022.3	987.9
155°	1217.2	1232.7	1217.2	1201.8	1197.9	1162.2	1114.8	1091.0	1073.5	1038.6	1012.4
157.5°	1187.6	1198.5	1187.6	1176.8	1174.1	1146.4	1109.4	1091.0	1079.0	1054.9	1036.8
160°	1170.1	1176.3	1170.1	1163.8	1162.2	1138.5	1106.8	1091.0	1081.4	1062.3	1048.0
162.5°	1158.5	1164.4	1158.5	1152.6	1151.1	1131.0	1104.4	1091.0	1084.1	1070.3	1059.9
165°	1141.9	1148.1	1141.9	1135.6	1134.1	1119.7	1100.5	1091.0	1087.8	1081.6	1077.0
167.5°	1129.9	1132.5	1129.9	1127.3	1126.6	1117.3	1104.7	1098.4	1095.8	1090.5	1086.6
170°	1126.6	1126.6	1126.6	1126.6	1126.6	1117.3	1104.7	1098.4	1098.2	1098.0	1097.7
172.5°	1117.8	1115.5	1117.8	1120.1	1120.7	1113.2	1103.4	1098.4	1098.4	1098.4	1098.4
175°	1112.6	1112.6	1112.6	1112.6	1112.6	1107.9	1101.6	1098.4	1100.0	1102.9	1105.1
177.5°	1107.8	1105.1	1107.8	1110.4	1111.0	1107.3	1102.4	1099.9	1101.0	1103.4	1105.1
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1



TEST NUMBER: P935690

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2028.8	2017.4	2017.4	1998.4	1990.9	1985.3	1975.8	1947.3	1939.8	1932.3	1943.6
5°	2045.8	2025.0	2009.8	1975.8	1947.3	1936.1	1900.1	1832.0	1786.5	1752.4	1733.5
7.5°	2049.6	2023.1	1994.7	1941.7	1873.6	1843.2	1733.5	1608.6	1574.6	1544.2	1525.3
10°	2045.8	2015.5	1975.8	1896.2	1735.4	1682.4	1572.7	1491.3	1470.5	1464.8	1470.5
12.5°	2032.5	2004.2	1949.3	1816.8	1591.6	1555.6	1491.3	1444.0	1440.2	1449.7	1500.8
15°	2009.8	1983.3	1919.0	1710.8	1512.1	1485.6	1440.2	1423.1	1444.0	1510.2	1663.5
17.5°	1987.2	1956.8	1877.3	1606.7	1451.5	1432.6	1400.4	1434.5	1551.9	1640.8	1691.9
20°	1956.8	1920.9	1830.1	1531.1	1408.1	1391.0	1375.9	1529.1	1618.1	1650.2	1678.6
22.5°	1920.9	1883.1	1765.7	1478.1	1362.6	1349.3	1358.8	1582.1	1618.1	1640.8	1665.4
25°	1873.6	1841.4	1690.0	1436.4	1326.7	1311.5	1347.5	1576.4	1597.2	1603.0	1652.2
27.5°	1830.1	1788.4	1610.5	1398.6	1283.1	1277.4	1357.0	1551.9	1567.0	1572.7	1625.7
30°	1777.1	1714.6	1521.6	1358.8	1237.7	1235.8	1358.8	1521.6	1517.8	1533.0	1585.9
32.5°	1722.2	1604.9	1421.2	1309.6	1194.1	1192.3	1345.6	1476.1	1472.3	1493.1	1533.0
35°	1671.1	1519.7	1285.0	1252.9	1139.3	1141.1	1313.4	1423.1	1425.1	1444.0	1468.6
37.5°	1618.1	1445.9	1135.5	1190.4	1086.3	1086.3	1269.9	1374.0	1370.1	1375.9	1409.9
40°	1555.6	1330.4	1003.0	1109.0	1037.1	1031.4	1216.9	1321.0	1307.7	1305.9	1353.1
42.5°	1489.4	1203.6	904.6	1001.1	980.3	972.8	1152.5	1256.6	1232.0	1237.7	1298.2
45°	1417.5	1169.6	828.9	845.9	921.7	915.9	1082.5	1182.8	1165.8	1181.0	1243.4
47.5°	1345.6	1101.4	804.3	702.1	859.2	857.3	1004.9	1110.9	1101.4	1116.6	1182.8
50°	1247.1	1025.8	802.4	601.8	789.2	796.8	912.2	1040.9	1040.9	1054.1	1124.1
52.5°	1120.3	933.0	728.6	545.0	707.8	730.5	830.8	980.3	984.1	997.3	1059.8
55°	1004.9	836.5	675.7	501.5	611.3	660.5	751.3	917.9	925.4	938.7	995.5
57.5°	898.9	696.5	664.3	450.4	522.3	569.7	681.3	857.3	861.1	872.5	927.3
60°	785.4	503.4	609.4	395.6	444.7	480.7	616.9	785.4	798.7	806.2	853.5
62.5°	656.7	365.3	552.6	357.6	406.9	414.5	563.9	717.3	734.3	739.9	768.4
65°	467.5	306.6	469.4	325.5	367.1	369.0	507.2	647.2	662.4	671.8	692.7
67.5°	316.0	249.8	357.6	295.2	336.8	338.7	452.3	565.8	586.7	594.2	607.5
70°	219.6	166.6	264.9	263.1	302.8	306.6	393.7	492.0	511.0	516.7	524.2
72.5°	160.8	134.4	219.6	236.6	266.8	270.6	333.1	408.7	427.7	433.4	437.2
75°	123.0	141.9	177.9	206.3	227.1	229.0	272.6	333.1	346.3	350.1	352.0
77.5°	98.4	132.5	130.5	166.6	185.5	181.6	213.8	257.4	268.7	268.7	268.7
80°	73.8	104.1	98.4	119.2	136.3	132.5	153.3	183.6	187.4	191.1	189.3
82.5°	54.9	66.3	66.3	75.7	90.8	87.1	102.2	119.2	119.2	119.2	123.0
85°	34.1	37.8	30.3	39.7	51.1	49.2	56.8	64.4	66.3	66.3	62.5
87.5°	20.8	17.0	9.5	15.2	22.7	22.7	26.5	28.4	26.5	26.5	26.5
90°	19.3	13.4	7.4	13.4	19.3	20.7	32.6	48.4	56.3	50.0	37.5
92.5°	130.5	80.1	29.7	80.1	130.5	143.2	201.2	278.7	317.4	278.2	199.8
95°	255.7	163.5	71.2	163.5	255.7	278.9	495.2	783.7	927.9	828.0	628.2
97.5°	285.9	204.5	123.1	204.5	285.9	306.3	667.0	1148.0	1388.5	1325.3	1199.1
100°	310.9	237.0	163.2	237.0	310.9	329.3	729.5	1263.3	1530.1	1534.7	1543.9
102.5°	335.1	266.2	197.3	266.2	335.1	352.3	758.3	1299.5	1570.1	1650.5	1811.4
105°	371.8	313.5	255.2	313.5	371.8	386.4	779.5	1303.7	1565.7	1746.0	2106.6
107.5°	423.3	368.8	314.5	368.8	423.3	436.8	783.5	1245.6	1476.7	1728.3	2231.3
110°	452.7	403.6	354.5	403.6	452.7	465.0	777.5	1194.1	1402.5	1683.7	2246.1



TEST NUMBER: P935690

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	487.4	440.6	393.8	440.6	487.4	499.2	777.8	1149.2	1335.0	1622.7	2198.3
115°	539.6	496.3	453.1	496.3	539.6	550.4	785.0	1097.8	1254.2	1531.4	2085.9
117.5°	590.2	551.0	511.8	551.0	590.2	600.0	799.5	1065.5	1198.5	1448.7	1949.2
120°	619.7	582.8	545.9	582.8	619.7	629.0	811.4	1054.6	1176.3	1404.9	1862.1
122.5°	653.8	616.5	579.3	616.5	653.8	663.1	828.5	1049.0	1159.3	1365.2	1776.9
125°	698.3	664.4	630.4	664.4	698.3	706.8	851.5	1044.3	1140.7	1315.6	1665.3
127.5°	740.5	706.2	671.9	706.2	740.5	749.1	874.5	1041.6	1125.2	1275.3	1575.7
130°	768.0	731.1	694.2	731.1	768.0	777.3	891.2	1043.1	1119.2	1252.9	1520.2
132.5°	791.0	754.2	717.2	754.2	791.0	800.3	904.9	1044.3	1114.0	1233.7	1473.0
135°	818.5	784.9	751.3	784.9	818.5	826.9	919.7	1043.3	1105.1	1205.3	1405.8
137.5°	852.8	819.5	786.2	819.5	852.8	861.1	941.9	1049.7	1103.6	1188.3	1357.7
140°	876.4	845.7	815.1	845.7	876.4	884.0	955.5	1050.8	1098.4	1171.6	1318.0
142.5°	894.1	865.7	837.3	865.7	894.1	901.1	966.9	1054.6	1098.4	1162.7	1291.3
145°	920.9	896.2	871.4	896.2	920.9	927.1	981.7	1054.6	1091.0	1143.6	1248.8
147.5°	953.8	929.7	905.6	929.7	953.8	959.8	1003.5	1061.9	1091.0	1132.3	1215.1
150°	971.3	949.7	927.9	949.7	971.3	976.8	1014.9	1065.6	1091.0	1125.9	1195.9
152.5°	983.8	967.3	950.8	967.3	983.8	987.9	1022.3	1068.1	1091.0	1120.8	1180.5
155°	1009.3	997.2	985.0	997.2	1009.3	1012.4	1038.6	1073.5	1091.0	1114.8	1162.2
157.5°	1033.9	1022.0	1010.2	1022.0	1033.9	1036.8	1054.9	1079.0	1091.0	1109.4	1146.4
160°	1045.7	1036.5	1027.2	1036.5	1045.7	1048.0	1062.3	1081.4	1091.0	1106.8	1138.5
162.5°	1058.1	1051.2	1044.3	1051.2	1058.1	1059.9	1070.3	1084.1	1091.0	1104.4	1131.0
165°	1075.4	1069.1	1062.8	1069.1	1075.4	1077.0	1081.6	1087.8	1091.0	1100.5	1119.7
167.5°	1085.8	1082.9	1079.9	1082.9	1085.8	1086.6	1090.5	1095.8	1098.4	1104.7	1117.3
170°	1096.9	1094.0	1091.0	1094.0	1096.9	1097.7	1098.0	1098.2	1098.4	1104.7	1117.3
172.5°	1098.2	1097.6	1096.9	1097.6	1098.2	1098.4	1098.4	1098.4	1098.4	1103.4	1113.2
175°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1102.9	1100.0	1098.4	1101.6	1107.9
177.5°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1103.4	1101.0	1099.9	1102.4	1107.3
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1



TEST NUMBER: P935690

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	1930.3	1924.7	1932.3	1911.4	1932.3	1924.7	1930.3	1943.6	1932.3	1939.8	1947.3
5°	1693.8	1684.3	1654.1	1629.4	1654.1	1684.3	1693.8	1733.5	1752.4	1786.5	1832.0
7.5°	1514.0	1506.4	1498.9	1483.7	1498.9	1506.4	1514.0	1525.3	1544.2	1574.6	1608.6
10°	1474.2	1476.1	1487.5	1485.6	1487.5	1476.1	1474.2	1470.5	1464.8	1470.5	1491.3
12.5°	1576.4	1593.5	1656.0	1652.2	1656.0	1593.5	1576.4	1500.8	1449.7	1440.2	1444.0
15°	1693.8	1699.4	1712.7	1714.6	1712.7	1699.4	1693.8	1663.5	1510.2	1444.0	1423.1
17.5°	1705.2	1707.1	1716.5	1716.5	1716.5	1707.1	1705.2	1691.9	1640.8	1551.9	1434.5
20°	1695.7	1699.4	1718.4	1722.2	1718.4	1699.4	1695.7	1678.6	1650.2	1618.1	1529.1
22.5°	1691.9	1699.4	1714.6	1712.7	1714.6	1699.4	1691.9	1665.4	1640.8	1618.1	1582.1
25°	1673.0	1673.0	1674.9	1676.8	1674.9	1673.0	1673.0	1652.2	1603.0	1597.2	1576.4
27.5°	1633.2	1637.0	1648.3	1646.5	1648.3	1637.0	1633.2	1625.7	1572.7	1567.0	1551.9
30°	1597.2	1593.5	1584.1	1576.4	1584.1	1593.5	1597.2	1585.9	1533.0	1517.8	1521.6
32.5°	1536.7	1527.2	1517.8	1512.1	1517.8	1527.2	1536.7	1533.0	1493.1	1472.3	1476.1
35°	1464.8	1466.7	1464.8	1459.1	1464.8	1466.7	1464.8	1468.6	1444.0	1425.1	1423.1
37.5°	1413.7	1417.5	1415.6	1408.1	1415.6	1417.5	1413.7	1409.9	1375.9	1370.1	1374.0
40°	1360.7	1362.6	1360.7	1355.0	1360.7	1362.6	1360.7	1353.1	1305.9	1307.7	1321.0
42.5°	1309.6	1307.7	1302.0	1298.2	1302.0	1307.7	1309.6	1298.2	1237.7	1232.0	1256.6
45°	1251.0	1252.9	1241.5	1235.8	1241.5	1252.9	1251.0	1243.4	1181.0	1165.8	1182.8
47.5°	1192.3	1192.3	1182.8	1177.1	1182.8	1192.3	1192.3	1182.8	1116.6	1101.4	1110.9
50°	1129.9	1128.0	1114.7	1112.8	1114.7	1128.0	1129.9	1124.1	1054.1	1040.9	1040.9
52.5°	1057.9	1057.9	1059.8	1063.6	1059.8	1057.9	1057.9	1059.8	997.3	984.1	980.3
55°	995.5	997.3	1010.6	1014.4	1010.6	997.3	995.5	995.5	938.7	925.4	917.9
57.5°	931.1	931.1	940.6	940.6	940.6	931.1	931.1	927.3	872.5	861.1	857.3
60°	857.3	861.1	868.7	866.8	868.7	861.1	857.3	853.5	806.2	798.7	785.4
62.5°	779.7	783.5	785.4	781.6	785.4	783.5	779.7	768.4	739.9	734.3	717.3
65°	698.3	702.1	704.0	700.2	704.0	702.1	698.3	692.7	671.8	662.4	647.2
67.5°	615.0	613.2	611.3	618.8	611.3	613.2	615.0	607.5	594.2	586.7	565.8
70°	529.9	529.9	528.0	531.7	528.0	529.9	529.9	524.2	516.7	511.0	492.0
72.5°	439.0	437.2	444.7	439.0	444.7	437.2	439.0	437.2	433.4	427.7	408.7
75°	350.1	353.9	350.1	355.8	350.1	353.9	350.1	352.0	350.1	346.3	333.1
77.5°	266.8	270.6	266.8	266.8	266.8	270.6	266.8	268.7	268.7	268.7	257.4
80°	189.3	187.4	187.4	185.5	187.4	187.4	189.3	189.3	191.1	187.4	183.6
82.5°	121.1	119.2	119.2	123.0	119.2	119.2	121.1	123.0	119.2	119.2	119.2
85°	66.3	68.1	64.4	64.4	64.4	68.1	66.3	62.5	66.3	66.3	64.4
87.5°	24.6	22.7	22.7	22.7	22.7	22.7	24.6	26.5	26.5	26.5	28.4
90°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	37.5	50.0	56.3	48.4
92.5°	141.0	135.3	112.9	90.4	112.9	135.3	141.0	199.8	278.2	317.4	278.7
95°	478.4	461.4	393.5	325.6	393.5	461.4	478.4	628.2	828.0	927.9	783.7
97.5°	1104.4	1072.1	942.9	813.7	942.9	1072.1	1104.4	1199.1	1325.3	1388.5	1148.0
100°	1550.8	1512.3	1358.5	1204.5	1358.5	1512.3	1550.8	1543.9	1534.7	1530.1	1263.3
102.5°	1932.1	1899.1	1767.2	1635.4	1767.2	1899.1	1932.1	1811.4	1650.5	1570.1	1299.5
105°	2377.1	2359.3	2288.5	2217.6	2288.5	2359.3	2377.1	2106.6	1746.0	1565.7	1303.7
107.5°	2608.5	2612.8	2629.9	2647.1	2629.9	2612.8	2608.5	2231.3	1728.3	1476.7	1245.6
110°	2667.9	2686.3	2760.1	2834.0	2760.1	2686.3	2667.9	2246.1	1683.7	1402.5	1194.1



TEST NUMBER: P935690

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2630.0	2658.3	2771.7	2885.2	2771.7	2658.3	2630.0	2198.3	1622.7	1335.0	1149.2
115°	2501.7	2541.1	2698.3	2855.4	2698.3	2541.1	2501.7	2085.9	1531.4	1254.2	1097.8
117.5°	2324.5	2368.0	2542.4	2716.8	2542.4	2368.0	2324.5	1949.2	1448.7	1198.5	1065.5
120°	2205.0	2247.4	2416.8	2586.2	2416.8	2247.4	2205.0	1862.1	1404.9	1176.3	1054.6
122.5°	2085.6	2127.4	2294.5	2461.6	2294.5	2127.4	2085.6	1776.9	1365.2	1159.3	1049.0
125°	1927.7	1966.2	2120.1	2274.0	2120.1	1966.2	1927.7	1665.3	1315.6	1140.7	1044.3
127.5°	1800.8	1833.3	1963.2	2093.1	1963.2	1833.3	1800.8	1575.7	1275.3	1125.2	1041.6
130°	1720.7	1750.7	1870.7	1990.7	1870.7	1750.7	1720.7	1520.2	1252.9	1119.2	1043.1
132.5°	1652.4	1679.3	1786.8	1894.2	1786.8	1679.3	1652.4	1473.0	1233.7	1114.0	1044.3
135°	1556.1	1579.2	1671.8	1764.5	1671.8	1579.2	1556.1	1405.8	1205.3	1105.1	1043.3
137.5°	1484.8	1503.7	1579.6	1655.4	1579.6	1503.7	1484.8	1357.7	1188.3	1103.6	1049.7
140°	1427.7	1445.5	1516.3	1587.2	1516.3	1445.5	1427.7	1318.0	1171.6	1098.4	1050.8
142.5°	1387.7	1403.0	1463.9	1524.9	1463.9	1403.0	1387.7	1291.3	1162.7	1098.4	1054.6
145°	1327.6	1339.2	1385.3	1431.4	1385.3	1339.2	1327.6	1248.8	1143.6	1091.0	1054.6
147.5°	1277.2	1286.8	1325.1	1363.3	1325.1	1286.8	1277.2	1215.1	1132.3	1091.0	1061.9
150°	1248.3	1256.0	1287.1	1318.0	1287.1	1256.0	1248.3	1195.9	1125.9	1091.0	1065.6
152.5°	1225.3	1231.1	1254.5	1277.9	1254.5	1231.1	1225.3	1180.5	1120.8	1091.0	1068.1
155°	1197.9	1201.8	1217.2	1232.7	1217.2	1201.8	1197.9	1162.2	1114.8	1091.0	1073.5
157.5°	1174.1	1176.8	1187.6	1198.5	1187.6	1176.8	1174.1	1146.4	1109.4	1091.0	1079.0
160°	1162.2	1163.8	1170.1	1176.3	1170.1	1163.8	1162.2	1138.5	1106.8	1091.0	1081.4
162.5°	1151.1	1152.6	1158.5	1164.4	1158.5	1152.6	1151.1	1131.0	1104.4	1091.0	1084.1
165°	1134.1	1135.6	1141.9	1148.1	1141.9	1135.6	1134.1	1119.7	1100.5	1091.0	1087.8
167.5°	1126.6	1127.3	1129.9	1132.5	1129.9	1127.3	1126.6	1117.3	1104.7	1098.4	1095.8
170°	1126.6	1126.6	1126.6	1126.6	1126.6	1126.6	1126.6	1117.3	1104.7	1098.4	1098.2
172.5°	1120.7	1120.1	1117.8	1115.5	1117.8	1120.1	1120.7	1113.2	1103.4	1098.4	1098.4
175°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1107.9	1101.6	1098.4	1100.0
177.5°	1111.0	1110.4	1107.8	1105.1	1107.8	1110.4	1111.0	1107.3	1102.4	1099.9	1101.0
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1



TEST NUMBER: P935690

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	1975.8	1985.3	1990.9	1998.4	2017.4
5°	1900.1	1936.1	1947.3	1975.8	2009.8
7.5°	1733.5	1843.2	1873.6	1941.7	1994.7
10°	1572.7	1682.4	1735.4	1896.2	1975.8
12.5°	1491.3	1555.6	1591.6	1816.8	1949.3
15°	1440.2	1485.6	1512.1	1710.8	1919.0
17.5°	1400.4	1432.6	1451.5	1606.7	1877.3
20°	1375.9	1391.0	1408.1	1531.1	1830.1
22.5°	1358.8	1349.3	1362.6	1478.1	1765.7
25°	1347.5	1311.5	1326.7	1436.4	1690.0
27.5°	1357.0	1277.4	1283.1	1398.6	1610.5
30°	1358.8	1235.8	1237.7	1358.8	1521.6
32.5°	1345.6	1192.3	1194.1	1309.6	1421.2
35°	1313.4	1141.1	1139.3	1252.9	1285.0
37.5°	1269.9	1086.3	1086.3	1190.4	1135.5
40°	1216.9	1031.4	1037.1	1109.0	1003.0
42.5°	1152.5	972.8	980.3	1001.1	904.6
45°	1082.5	915.9	921.7	845.9	828.9
47.5°	1004.9	857.3	859.2	702.1	804.3
50°	912.2	796.8	789.2	601.8	802.4
52.5°	830.8	730.5	707.8	545.0	728.6
55°	751.3	660.5	611.3	501.5	675.7
57.5°	681.3	569.7	522.3	450.4	664.3
60°	616.9	480.7	444.7	395.6	609.4
62.5°	563.9	414.5	406.9	357.6	552.6
65°	507.2	369.0	367.1	325.5	469.4
67.5°	452.3	338.7	336.8	295.2	357.6
70°	393.7	306.6	302.8	263.1	264.9
72.5°	333.1	270.6	266.8	236.6	219.6
75°	272.6	229.0	227.1	206.3	177.9
77.5°	213.8	181.6	185.5	166.6	130.5
80°	153.3	132.5	136.3	119.2	98.4
82.5°	102.2	87.1	90.8	75.7	66.3
85°	56.8	49.2	51.1	39.7	30.3
87.5°	26.5	22.7	22.7	15.2	9.5
90°	32.6	20.7	19.3	13.4	7.4
92.5°	201.2	143.2	130.5	80.1	29.7
95°	495.2	278.9	255.7	163.5	71.2
97.5°	667.0	306.3	285.9	204.5	123.1
100°	729.5	329.3	310.9	237.0	163.2
102.5°	758.3	352.3	335.1	266.2	197.3
105°	779.5	386.4	371.8	313.5	255.2
107.5°	783.5	436.8	423.3	368.8	314.5
110°	777.5	465.0	452.7	403.6	354.5



TEST NUMBER: P935690

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	777.8	499.2	487.4	440.6	393.8
115°	785.0	550.4	539.6	496.3	453.1
117.5°	799.5	600.0	590.2	551.0	511.8
120°	811.4	629.0	619.7	582.8	545.9
122.5°	828.5	663.1	653.8	616.5	579.3
125°	851.5	706.8	698.3	664.4	630.4
127.5°	874.5	749.1	740.5	706.2	671.9
130°	891.2	777.3	768.0	731.1	694.2
132.5°	904.9	800.3	791.0	754.2	717.2
135°	919.7	826.9	818.5	784.9	751.3
137.5°	941.9	861.1	852.8	819.5	786.2
140°	955.5	884.0	876.4	845.7	815.1
142.5°	966.9	901.1	894.1	865.7	837.3
145°	981.7	927.1	920.9	896.2	871.4
147.5°	1003.5	959.8	953.8	929.7	905.6
150°	1014.9	976.8	971.3	949.7	927.9
152.5°	1022.3	987.9	983.8	967.3	950.8
155°	1038.6	1012.4	1009.3	997.2	985.0
157.5°	1054.9	1036.8	1033.9	1022.0	1010.2
160°	1062.3	1048.0	1045.7	1036.5	1027.2
162.5°	1070.3	1059.9	1058.1	1051.2	1044.3
165°	1081.6	1077.0	1075.4	1069.1	1062.8
167.5°	1090.5	1086.6	1085.8	1082.9	1079.9
170°	1098.0	1097.7	1096.9	1094.0	1091.0
172.5°	1098.4	1098.4	1098.2	1097.6	1096.9
175°	1102.9	1105.1	1105.1	1105.1	1105.1
177.5°	1103.4	1105.1	1105.1	1105.1	1105.1
180°	1105.1	1105.1	1105.1	1105.1	1105.1



TEST NUMBER: P935690  
 CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-4000K

**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	12.76	13.55	13.78	14.58	15.96	15.58	16.38	16.60	17.41	18.79
	3H	13.23	13.94	14.26	14.98	16.38	16.92	17.63	17.95	18.67	20.07
	4H	13.42	14.09	14.46	15.13	16.54	17.36	18.03	18.40	19.08	20.48
	6H	13.53	14.15	14.59	15.20	16.62	17.64	18.26	18.69	19.31	20.73
	8H	13.53	14.12	14.59	15.18	16.60	17.71	18.30	18.77	19.36	20.78
	12H	13.50	14.06	14.57	15.12	16.56	17.75	18.31	18.81	19.36	20.80
4H	2H	13.78	14.45	14.83	15.50	16.90	15.98	16.66	17.03	17.70	19.11
	3H	14.80	15.36	15.86	16.43	17.85	17.48	18.04	18.54	19.11	20.53
	4H	15.07	15.59	16.14	16.65	18.09	18.00	18.52	19.07	19.58	21.02
	6H	15.20	15.64	16.27	16.72	18.16	18.36	18.81	19.44	19.89	21.33
	8H	15.20	15.61	16.28	16.69	18.14	18.47	18.88	19.54	19.96	21.41
	12H	15.16	15.54	16.26	16.63	18.09	18.52	18.89	19.61	19.98	21.44
8H	4H	15.52	15.93	16.60	17.01	18.46	18.12	18.54	19.20	19.61	21.07
	6H	15.78	16.12	16.88	17.24	18.69	18.56	18.90	19.65	20.02	21.47
	8H	15.82	16.12	16.93	17.22	18.69	18.71	19.00	19.81	20.11	21.58
	12H	15.80	16.07	16.91	17.16	18.67	18.80	19.06	19.91	20.16	21.67
12H	4H	15.52	15.90	16.62	16.99	18.45	18.08	18.46	19.18	19.55	21.01
	6H	15.84	16.14	16.95	17.24	18.71	18.55	18.85	19.66	19.95	21.42
	8H	15.90	16.17	17.01	17.26	18.77	18.71	18.97	19.82	20.07	21.58