

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: P935893

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935893
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

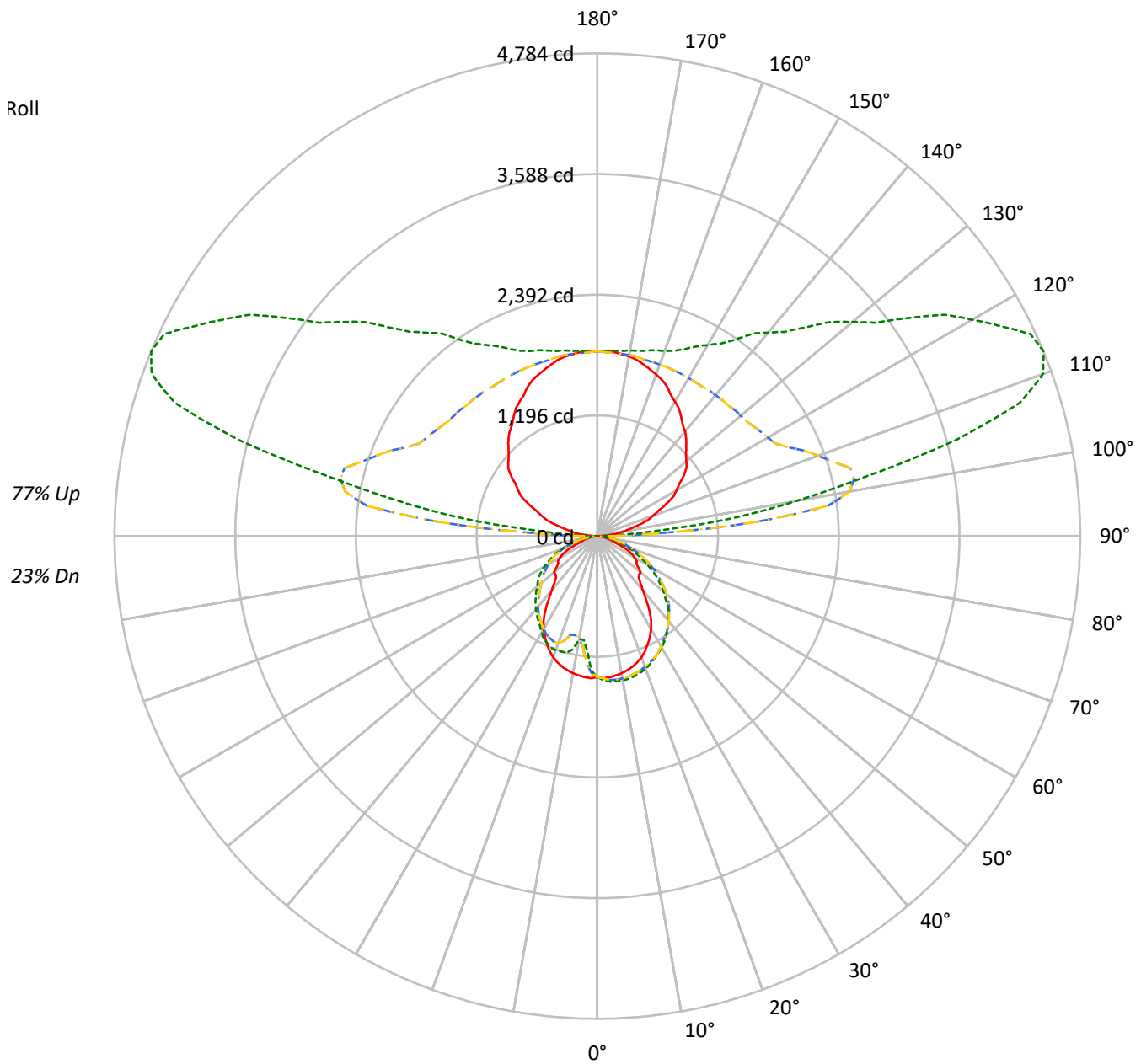
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15511.7 lumens
Efficiency: N/A
Efficacy: 139.5 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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	0.8
10°-20°	358.3	2.3
20°-30°	553.8	3.6
30°-40°	661.2	4.3
40°-50°	665.0	4.3
50°-60°	578.7	3.7
60°-70°	410.3	2.6
70°-80°	217.1	1.4
80°-90°	61.0	0.4
90°-100°	893.3	5.8
100°-110°	2348.6	15.1
110°-120°	2435.2	15.7
120°-130°	1953.3	12.6
130°-140°	1532.7	9.9
140°-150°	1176.4	7.6
150°-160°	847.2	5.5
160°-170°	518.4	3.3
170°-180°	175.1	1.1
0°-30°	1038.3	6.7
0°-40°	1699.5	11.0
0°-60°	2943.1	19.0
0°-90°	3631.5	23.4
90°-120°	5677.1	36.6
90°-150°	10339.5	66.7
90°-180°	11880.0	76.6
0°-180°	15511.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1398	1398	1398	1398	1398	
5°	1405	1448	1405	1139	1405	133
15°	1341	1435	1341	1198	1341	377
25°	1181	1338	1181	1172	1181	542
35°	898	1194	898	1020	898	556
45°	579	984	579	864	579	464
55°	472	726	472	709	472	434
65°	328	438	328	489	328	313
75°	124	208	124	249	124	131
85°	21	53	21	45	21	29
90°	12	47	12	47	12	11
95°	118	540	118	540	118	131
105°	423	3678	423	3678	423	449
115°	752	4735	752	4735	752	742
125°	1046	3771	1046	3771	1046	928
135°	1246	2926	1246	2926	1246	964
145°	1445	2374	1445	2374	1445	905
155°	1633	2044	1633	2044	1633	751
165°	1762	1904	1762	1904	1762	497
175°	1833	1845	1833	1845	1833	174
180°	1833	1833	1833	1833	1833	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1409.8	1409.8	1417.8	1420.4	1420.4	1416.4	1412.4	1416.4	1428.3	1432.3	1431.0
5°	1404.6	1415.1	1429.7	1432.3	1434.9	1433.6	1431.0	1433.6	1446.9	1449.5	1450.8
7.5°	1393.9	1413.8	1432.3	1436.3	1440.3	1436.3	1434.9	1437.6	1450.8	1453.5	1453.5
10°	1380.7	1408.5	1429.7	1432.3	1436.3	1432.3	1432.3	1437.6	1450.8	1453.5	1454.7
12.5°	1362.2	1400.5	1420.4	1423.0	1428.3	1427.0	1425.7	1431.0	1444.2	1446.9	1446.9
15°	1341.1	1386.0	1404.6	1407.1	1416.4	1413.8	1413.8	1419.1	1433.6	1437.6	1436.3
17.5°	1312.0	1367.5	1388.7	1392.6	1399.2	1398.0	1399.2	1404.6	1417.8	1420.4	1421.7
20°	1278.8	1342.3	1367.5	1371.4	1378.0	1378.0	1378.0	1384.6	1398.0	1403.2	1403.2
22.5°	1233.9	1315.9	1342.3	1345.0	1353.0	1353.0	1355.6	1364.8	1376.8	1378.0	1378.0
25°	1181.0	1286.8	1309.3	1317.2	1325.2	1329.1	1333.1	1338.4	1342.3	1341.1	1342.3
27.5°	1125.5	1249.8	1278.8	1284.2	1294.7	1298.8	1304.0	1305.4	1306.6	1310.6	1308.0
30°	1063.3	1198.2	1241.9	1247.2	1264.3	1267.0	1261.7	1264.3	1271.0	1273.6	1276.3
32.5°	993.2	1121.5	1203.5	1215.4	1231.3	1223.3	1222.0	1226.0	1236.5	1236.5	1239.2
35°	898.0	1062.0	1167.8	1178.4	1190.3	1181.0	1186.4	1187.6	1194.2	1198.2	1196.9
37.5°	793.5	1010.5	1130.7	1138.7	1148.0	1136.1	1144.0	1148.0	1153.2	1150.6	1150.6
40°	700.9	929.7	1087.2	1092.4	1100.4	1091.1	1099.0	1101.7	1104.3	1101.7	1100.4
42.5°	632.1	841.2	1040.8	1047.4	1042.1	1048.8	1051.4	1056.7	1052.8	1047.4	1047.4
45°	579.3	817.3	990.5	998.5	990.5	1001.2	1005.1	1005.1	993.2	990.5	989.3
47.5°	562.1	769.7	940.3	940.3	936.3	949.6	956.2	947.0	935.0	931.1	931.1
50°	560.7	716.8	871.5	866.3	884.7	900.6	894.0	884.7	875.5	861.0	861.0
52.5°	509.2	652.0	783.0	802.8	831.9	841.2	830.5	821.3	805.5	798.8	793.5
55°	472.1	584.6	702.2	742.0	772.3	784.3	764.4	755.2	731.3	727.4	724.7
57.5°	464.2	486.7	628.2	678.5	715.4	714.2	702.2	685.1	665.3	661.3	659.9
60°	425.9	351.8	548.8	608.4	646.7	642.8	632.1	616.2	597.8	595.1	592.5
62.5°	386.2	255.3	458.9	526.3	580.6	579.3	570.0	546.2	532.9	526.3	521.1
65°	327.9	214.3	326.7	437.8	515.8	518.4	498.6	481.4	466.9	458.9	457.6
67.5°	250.0	174.6	220.9	365.0	453.7	451.0	425.9	418.0	399.4	395.5	387.5
70°	185.2	116.3	153.4	296.3	392.8	386.2	366.3	357.1	339.9	330.6	325.4
72.5°	153.4	93.9	112.4	230.1	330.6	322.7	305.5	294.9	280.4	272.4	267.1
75°	124.3	99.2	86.0	170.6	268.5	263.2	247.3	236.7	224.8	214.3	215.5
77.5°	91.3	92.6	68.7	125.6	213.0	205.0	195.7	182.5	177.2	166.6	166.6
80°	68.7	72.8	51.6	86.0	153.4	153.4	145.4	136.3	127.0	121.7	121.7
82.5°	46.2	46.2	38.4	54.2	104.5	100.5	95.2	92.6	87.3	84.6	84.6
85°	21.2	26.4	23.8	33.0	56.9	59.6	59.6	56.9	55.5	52.9	54.2
87.5°	6.6	11.9	14.6	18.5	29.1	30.5	31.7	31.7	31.7	33.0	33.0
90°	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3	46.7	46.7
92.5°	49.2	132.8	216.5	237.4	333.8	462.2	526.4	461.3	331.3	233.7	224.4
95°	118.1	271.2	424.2	462.4	821.1	1299.4	1538.7	1373.0	1041.8	793.3	765.1
97.5°	204.2	339.2	474.3	508.0	1106.2	1903.8	2302.5	2197.8	1988.5	1831.4	1777.9
100°	270.6	393.0	515.5	546.1	1209.9	2094.9	2537.4	2545.1	2560.3	2571.8	2508.0
102.5°	327.2	441.4	555.6	584.2	1257.4	2155.0	2603.8	2737.2	3003.9	3204.0	3149.4
105°	423.1	519.8	616.6	640.8	1292.6	2161.8	2596.4	2895.5	3493.5	3942.0	3912.6
107.5°	521.5	611.7	701.8	724.4	1299.3	2065.7	2448.8	2865.9	3700.2	4325.8	4332.9
110°	588.0	669.4	750.8	771.2	1289.4	1980.4	2325.9	2792.2	3724.7	4424.2	4454.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	653.1	730.7	808.3	827.7	1289.8	1905.8	2213.9	2691.1	3645.5	4361.4	4408.4
115°	751.5	823.1	894.7	912.6	1301.7	1820.5	2079.9	2539.5	3459.0	4148.6	4213.8
117.5°	848.7	913.7	978.8	995.1	1325.9	1767.0	1987.6	2402.5	3232.3	3854.7	3926.9
120°	905.2	966.5	1027.7	1043.0	1345.6	1749.0	1950.7	2329.8	3088.1	3656.7	3726.9
122.5°	960.6	1022.4	1084.1	1099.6	1373.9	1739.6	1922.4	2263.8	2946.6	3458.6	3527.9
125°	1045.5	1101.8	1158.1	1172.2	1412.0	1731.7	1891.6	2181.6	2761.6	3196.6	3260.4
127.5°	1114.4	1171.2	1228.1	1242.3	1450.1	1727.3	1865.8	2114.8	2612.8	2986.3	3040.1
130°	1151.3	1212.5	1273.7	1289.0	1478.0	1729.9	1855.9	2077.6	2521.0	2853.5	2903.3
132.5°	1189.4	1250.6	1311.9	1327.2	1500.6	1731.8	1847.4	2045.8	2442.6	2740.3	2784.9
135°	1245.9	1301.7	1357.5	1371.4	1525.1	1730.1	1832.6	1998.8	2331.2	2580.5	2618.8
137.5°	1303.8	1359.0	1414.1	1427.9	1562.0	1740.8	1830.2	1970.7	2251.6	2462.3	2493.8
140°	1351.7	1402.6	1453.4	1466.1	1584.6	1742.6	1821.5	1942.9	2185.7	2367.7	2397.1
142.5°	1388.6	1435.6	1482.6	1494.4	1603.4	1748.9	1821.5	1928.1	2141.3	2301.2	2326.5
145°	1445.2	1486.2	1527.2	1537.5	1628.1	1748.9	1809.2	1896.4	2070.8	2201.6	2220.8
147.5°	1501.8	1541.7	1581.6	1591.6	1664.2	1760.9	1809.2	1877.8	2015.0	2117.9	2133.8
150°	1538.7	1574.7	1610.8	1619.8	1682.9	1767.1	1809.2	1867.2	1983.0	2070.0	2082.8
152.5°	1576.8	1604.1	1631.5	1638.3	1695.3	1771.3	1809.2	1858.7	1957.6	2031.9	2041.5
155°	1633.4	1653.6	1673.8	1678.9	1722.3	1780.2	1809.2	1848.6	1927.3	1986.4	1992.8
157.5°	1675.2	1694.9	1714.6	1719.5	1749.4	1789.3	1809.2	1839.9	1901.1	1947.1	1951.6
160°	1703.5	1718.8	1734.1	1737.9	1761.7	1793.3	1809.2	1835.4	1888.0	1927.3	1929.9
162.5°	1731.8	1743.2	1754.8	1757.6	1774.8	1797.8	1809.2	1831.4	1875.7	1908.9	1911.4
165°	1762.5	1772.8	1783.3	1785.8	1793.6	1804.0	1809.2	1825.1	1856.8	1880.6	1883.2
167.5°	1790.8	1795.7	1800.6	1801.9	1808.4	1817.2	1821.5	1831.9	1852.7	1868.3	1869.4
170°	1809.2	1814.1	1819.1	1820.4	1820.7	1821.2	1821.5	1831.9	1852.7	1868.3	1868.3
172.5°	1819.1	1820.2	1821.2	1821.5	1821.5	1821.5	1821.5	1829.7	1846.1	1858.4	1857.4
175°	1832.6	1832.6	1832.6	1832.6	1828.9	1824.0	1821.5	1826.8	1837.1	1844.9	1844.9
177.5°	1832.6	1832.6	1832.6	1832.6	1829.7	1825.9	1824.0	1828.1	1836.3	1842.4	1841.4
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1433.6	1429.7	1433.6	1431.0	1432.3	1428.3	1416.4	1412.4	1416.4	1420.4	1420.4
5°	1450.8	1448.1	1450.8	1450.8	1449.5	1446.9	1433.6	1431.0	1433.6	1434.9	1432.3
7.5°	1456.1	1452.2	1456.1	1453.5	1453.5	1450.8	1437.6	1434.9	1436.3	1440.3	1436.3
10°	1456.1	1452.2	1456.1	1454.7	1453.5	1450.8	1437.6	1432.3	1432.3	1436.3	1432.3
12.5°	1449.5	1446.9	1449.5	1446.9	1446.9	1444.2	1431.0	1425.7	1427.0	1428.3	1423.0
15°	1438.9	1434.9	1438.9	1436.3	1437.6	1433.6	1419.1	1413.8	1413.8	1416.4	1407.1
17.5°	1423.0	1417.8	1423.0	1421.7	1420.4	1417.8	1404.6	1399.2	1398.0	1399.2	1392.6
20°	1404.6	1400.5	1404.6	1403.2	1403.2	1398.0	1384.6	1378.0	1378.0	1378.0	1371.4
22.5°	1375.5	1371.4	1375.5	1378.0	1378.0	1376.8	1364.8	1355.6	1353.0	1353.0	1345.0
25°	1342.3	1338.4	1342.3	1342.3	1341.1	1342.3	1338.4	1333.1	1329.1	1325.2	1317.2
27.5°	1310.6	1308.0	1310.6	1308.0	1310.6	1306.6	1305.4	1304.0	1298.8	1294.7	1284.2
30°	1278.8	1276.3	1278.8	1276.3	1273.6	1271.0	1264.3	1261.7	1267.0	1264.3	1247.2
32.5°	1239.2	1236.5	1239.2	1239.2	1236.5	1236.5	1226.0	1222.0	1223.3	1231.3	1215.4
35°	1198.2	1194.2	1198.2	1196.9	1198.2	1194.2	1187.6	1186.4	1181.0	1190.3	1178.4
37.5°	1150.6	1146.6	1150.6	1150.6	1150.6	1153.2	1148.0	1144.0	1136.1	1148.0	1138.7
40°	1101.7	1096.3	1101.7	1100.4	1101.7	1104.3	1101.7	1099.0	1091.1	1100.4	1092.4
42.5°	1046.1	1044.8	1046.1	1047.4	1047.4	1052.8	1056.7	1051.4	1048.8	1042.1	1047.4
45°	986.6	983.9	986.6	989.3	990.5	993.2	1005.1	1005.1	1001.2	990.5	998.5
47.5°	923.1	916.5	923.1	931.1	931.1	935.0	947.0	956.2	949.6	936.3	940.3
50°	855.7	857.0	855.7	861.0	861.0	875.5	884.7	894.0	900.6	884.7	866.3
52.5°	789.6	788.2	789.6	793.5	798.8	805.5	821.3	830.5	841.2	831.9	802.8
55°	723.4	726.1	723.4	724.7	727.4	731.3	755.2	764.4	784.3	772.3	742.0
57.5°	657.3	653.3	657.3	659.9	661.3	665.3	685.1	702.2	714.2	715.4	678.5
60°	580.6	575.3	580.6	592.5	595.1	597.8	616.2	632.1	642.8	646.7	608.4
62.5°	513.1	503.8	513.1	521.1	526.3	532.9	546.2	570.0	579.3	580.6	526.3
65°	441.7	437.8	441.7	457.6	458.9	466.9	481.4	498.6	518.4	515.8	437.8
67.5°	376.9	376.9	376.9	387.5	395.5	399.4	418.0	425.9	451.0	453.7	365.0
70°	317.4	316.1	317.4	325.4	330.6	339.9	357.1	366.3	386.2	392.8	296.3
72.5°	260.5	259.2	260.5	267.1	272.4	280.4	294.9	305.5	322.7	330.6	230.1
75°	210.3	207.7	210.3	215.5	214.3	224.8	236.7	247.3	263.2	268.5	170.6
77.5°	161.3	161.3	161.3	166.6	166.6	177.2	182.5	195.7	205.0	213.0	125.6
80°	120.4	119.0	120.4	121.7	121.7	127.0	136.3	145.4	153.4	153.4	86.0
82.5°	84.6	82.0	84.6	84.6	84.6	87.3	92.6	95.2	100.5	104.5	54.2
85°	52.9	52.9	52.9	54.2	52.9	55.5	56.9	59.6	59.6	56.9	33.0
87.5°	34.4	33.0	34.4	33.0	33.0	31.7	31.7	31.7	30.5	29.1	18.5
90°	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4	54.1	34.4
92.5°	187.2	150.1	187.2	224.4	233.7	331.3	461.3	526.4	462.2	333.8	237.4
95°	652.5	539.9	652.5	765.1	793.3	1041.8	1373.0	1538.7	1299.4	821.1	462.4
97.5°	1563.5	1349.2	1563.5	1777.9	1831.4	1988.5	2197.8	2302.5	1903.8	1106.2	508.0
100°	2252.7	1997.4	2252.7	2508.0	2571.8	2560.3	2545.1	2537.4	2094.9	1209.9	546.1
102.5°	2930.7	2712.1	2930.7	3149.4	3204.0	3003.9	2737.2	2603.8	2155.0	1257.4	584.2
105°	3795.1	3677.6	3795.1	3912.6	3942.0	3493.5	2895.5	2596.4	2161.8	1292.6	640.8
107.5°	4361.3	4389.7	4361.3	4332.9	4325.8	3700.2	2865.9	2448.8	2065.7	1299.3	724.4
110°	4577.2	4699.7	4577.2	4454.7	4424.2	3724.7	2792.2	2325.9	1980.4	1289.4	771.2



TEST NUMBER: P935893

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4596.4	4784.5	4596.4	4408.4	4361.4	3645.5	2691.1	2213.9	1905.8	1289.8	827.7
115°	4474.6	4735.3	4474.6	4213.8	4148.6	3459.0	2539.5	2079.9	1820.5	1301.7	912.6
117.5°	4216.1	4505.3	4216.1	3926.9	3854.7	3232.3	2402.5	1987.6	1767.0	1325.9	995.1
120°	4007.9	4288.8	4007.9	3726.9	3656.7	3088.1	2329.8	1950.7	1749.0	1345.6	1043.0
122.5°	3805.1	4082.2	3805.1	3527.9	3458.6	2946.6	2263.8	1922.4	1739.6	1373.9	1099.6
125°	3515.8	3771.1	3515.8	3260.4	3196.6	2761.6	2181.6	1891.6	1731.7	1412.0	1172.2
127.5°	3255.6	3470.9	3255.6	3040.1	2986.3	2612.8	2114.8	1865.8	1727.3	1450.1	1242.3
130°	3102.3	3301.2	3102.3	2903.3	2853.5	2521.0	2077.6	1855.9	1729.9	1478.0	1289.0
132.5°	2963.0	3141.3	2963.0	2784.9	2740.3	2442.6	2045.8	1847.4	1731.8	1500.6	1327.2
135°	2772.4	2926.1	2772.4	2618.8	2580.5	2331.2	1998.8	1832.6	1730.1	1525.1	1371.4
137.5°	2619.5	2745.2	2619.5	2493.8	2462.3	2251.6	1970.7	1830.2	1740.8	1562.0	1427.9
140°	2514.6	2632.1	2514.6	2397.1	2367.7	2185.7	1942.9	1821.5	1742.6	1584.6	1466.1
142.5°	2427.6	2528.8	2427.6	2326.5	2301.2	2141.3	1928.1	1821.5	1748.9	1603.4	1494.4
145°	2297.3	2373.8	2297.3	2220.8	2201.6	2070.8	1896.4	1809.2	1748.9	1628.1	1537.5
147.5°	2197.2	2260.6	2197.2	2133.8	2117.9	2015.0	1877.8	1809.2	1760.9	1664.2	1591.6
150°	2134.3	2185.7	2134.3	2082.8	2070.0	1983.0	1867.2	1809.2	1767.1	1682.9	1619.8
152.5°	2080.4	2119.2	2080.4	2041.5	2031.9	1957.6	1858.7	1809.2	1771.3	1695.3	1638.3
155°	2018.5	2044.2	2018.5	1992.8	1986.4	1927.3	1848.6	1809.2	1780.2	1722.3	1678.9
157.5°	1969.5	1987.6	1969.5	1951.6	1947.1	1901.1	1839.9	1809.2	1789.3	1749.4	1719.5
160°	1940.3	1950.7	1940.3	1929.9	1927.3	1888.0	1835.4	1809.2	1793.3	1761.7	1737.9
162.5°	1921.1	1931.0	1921.1	1911.4	1908.9	1875.7	1831.4	1809.2	1797.8	1774.8	1757.6
165°	1893.6	1904.0	1893.6	1883.2	1880.6	1856.8	1825.1	1809.2	1804.0	1793.6	1785.8
167.5°	1873.8	1878.1	1873.8	1869.4	1868.3	1852.7	1831.9	1821.5	1817.2	1808.4	1801.9
170°	1868.3	1868.3	1868.3	1868.3	1868.3	1852.7	1831.9	1821.5	1821.2	1820.7	1820.4
172.5°	1853.7	1849.8	1853.7	1857.4	1858.4	1846.1	1829.7	1821.5	1821.5	1821.5	1821.5
175°	1844.9	1844.9	1844.9	1844.9	1844.9	1837.1	1826.8	1821.5	1824.0	1828.9	1832.6
177.5°	1836.9	1832.6	1836.9	1841.4	1842.4	1836.3	1828.1	1824.0	1825.9	1829.7	1832.6
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



TEST NUMBER: P935893

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1417.8	1409.8	1409.8	1396.6	1391.3	1387.3	1380.7	1360.9	1355.6	1350.3	1358.2
5°	1429.7	1415.1	1404.6	1380.7	1360.9	1353.0	1327.8	1280.2	1248.5	1224.6	1211.4
7.5°	1432.3	1413.8	1393.9	1356.9	1309.3	1288.1	1211.4	1124.1	1100.4	1079.2	1066.0
10°	1429.7	1408.5	1380.7	1325.2	1212.8	1175.7	1099.0	1042.1	1027.6	1023.7	1027.6
12.5°	1420.4	1400.5	1362.2	1269.7	1112.2	1087.2	1042.1	1009.1	1006.4	1013.0	1048.8
15°	1404.6	1386.0	1341.1	1195.5	1056.7	1038.2	1006.4	994.6	1009.1	1055.4	1162.5
17.5°	1388.7	1367.5	1312.0	1122.9	1014.4	1001.2	978.7	1002.5	1084.5	1146.6	1182.3
20°	1367.5	1342.3	1278.8	1069.9	983.9	972.1	961.4	1068.6	1130.7	1153.2	1173.0
22.5°	1342.3	1315.9	1233.9	1032.9	952.2	943.0	949.6	1105.6	1130.7	1146.6	1163.8
25°	1309.3	1286.8	1181.0	1003.8	927.1	916.5	941.6	1101.7	1116.3	1120.2	1154.6
27.5°	1278.8	1249.8	1125.5	977.3	896.7	892.7	948.2	1084.5	1095.1	1099.0	1136.1
30°	1241.9	1198.2	1063.3	949.6	864.9	863.6	949.6	1063.3	1060.6	1071.3	1108.3
32.5°	1203.5	1121.5	993.2	915.2	834.6	833.2	940.3	1031.6	1028.9	1043.5	1071.3
35°	1167.8	1062.0	898.0	875.5	796.2	797.5	917.9	994.6	995.9	1009.1	1026.3
37.5°	1130.7	1010.5	793.5	831.9	759.1	759.1	887.4	960.2	957.5	961.4	985.3
40°	1087.2	929.7	700.9	775.0	724.7	720.8	850.4	923.1	913.8	912.5	945.6
42.5°	1040.8	841.2	632.1	699.7	685.1	679.7	805.5	878.1	861.0	864.9	907.2
45°	990.5	817.3	579.3	591.2	644.1	640.1	756.5	826.6	814.6	825.3	868.9
47.5°	940.3	769.7	562.1	490.6	600.5	599.1	702.2	776.3	769.7	780.3	826.6
50°	871.5	716.8	560.7	420.5	551.5	556.8	637.4	727.4	727.4	736.6	785.5
52.5°	783.0	652.0	509.2	380.9	494.6	510.5	580.6	685.1	687.7	697.0	740.6
55°	702.2	584.6	472.1	350.4	427.1	461.5	525.0	641.4	646.7	656.0	695.6
57.5°	628.2	486.7	464.2	314.7	365.0	398.0	476.1	599.1	601.8	609.6	648.0
60°	548.8	351.8	425.9	276.4	310.8	335.9	431.2	548.8	558.1	563.4	596.4
62.5°	458.9	255.3	386.2	250.0	284.4	289.6	394.1	501.3	513.1	517.2	537.0
65°	326.7	214.3	327.9	227.5	256.6	257.9	354.5	452.3	462.9	469.5	484.0
67.5°	220.9	174.6	250.0	206.3	235.5	236.7	316.1	395.5	410.0	415.3	424.6
70°	153.4	116.3	185.2	183.8	211.6	214.3	275.1	343.8	357.1	361.1	366.3
72.5°	112.4	93.9	153.4	165.4	186.5	189.1	232.8	285.6	298.9	302.9	305.5
75°	86.0	99.2	124.3	144.2	158.7	160.0	190.4	232.8	242.1	244.6	246.0
77.5°	68.7	92.6	91.3	116.3	129.6	127.0	149.5	179.8	187.8	187.8	187.8
80°	51.6	72.8	68.7	83.3	95.2	92.6	107.1	128.3	130.9	133.6	132.2
82.5°	38.4	46.2	46.2	52.9	63.5	60.8	71.4	83.3	83.3	83.3	86.0
85°	23.8	26.4	21.2	27.8	35.7	34.4	39.6	45.0	46.2	46.2	43.7
87.5°	14.6	11.9	6.6	10.6	15.9	15.9	18.5	19.8	18.5	18.5	18.5
90°	31.9	22.2	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3
92.5°	216.5	132.8	49.2	132.8	216.5	237.4	333.8	462.2	526.4	461.3	331.3
95°	424.2	271.2	118.1	271.2	424.2	462.4	821.1	1299.4	1538.7	1373.0	1041.8
97.5°	474.3	339.2	204.2	339.2	474.3	508.0	1106.2	1903.8	2302.5	2197.8	1988.5
100°	515.5	393.0	270.6	393.0	515.5	546.1	1209.9	2094.9	2537.4	2545.1	2560.3
102.5°	555.6	441.4	327.2	441.4	555.6	584.2	1257.4	2155.0	2603.8	2737.2	3003.9
105°	616.6	519.8	423.1	519.8	616.6	640.8	1292.6	2161.8	2596.4	2895.5	3493.5
107.5°	701.8	611.7	521.5	611.7	701.8	724.4	1299.3	2065.7	2448.8	2865.9	3700.2
110°	750.8	669.4	588.0	669.4	750.8	771.2	1289.4	1980.4	2325.9	2792.2	3724.7



TEST NUMBER: P935893

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	808.3	730.7	653.1	730.7	808.3	827.7	1289.8	1905.8	2213.9	2691.1	3645.5
115°	894.7	823.1	751.5	823.1	894.7	912.6	1301.7	1820.5	2079.9	2539.5	3459.0
117.5°	978.8	913.7	848.7	913.7	978.8	995.1	1325.9	1767.0	1987.6	2402.5	3232.3
120°	1027.7	966.5	905.2	966.5	1027.7	1043.0	1345.6	1749.0	1950.7	2329.8	3088.1
122.5°	1084.1	1022.4	960.6	1022.4	1084.1	1099.6	1373.9	1739.6	1922.4	2263.8	2946.6
125°	1158.1	1101.8	1045.5	1101.8	1158.1	1172.2	1412.0	1731.7	1891.6	2181.6	2761.6
127.5°	1228.1	1171.2	1114.4	1171.2	1228.1	1242.3	1450.1	1727.3	1865.8	2114.8	2612.8
130°	1273.7	1212.5	1151.3	1212.5	1273.7	1289.0	1478.0	1729.9	1855.9	2077.6	2521.0
132.5°	1311.9	1250.6	1189.4	1250.6	1311.9	1327.2	1500.6	1731.8	1847.4	2045.8	2442.6
135°	1357.5	1301.7	1245.9	1301.7	1357.5	1371.4	1525.1	1730.1	1832.6	1998.8	2331.2
137.5°	1414.1	1359.0	1303.8	1359.0	1414.1	1427.9	1562.0	1740.8	1830.2	1970.7	2251.6
140°	1453.4	1402.6	1351.7	1402.6	1453.4	1466.1	1584.6	1742.6	1821.5	1942.9	2185.7
142.5°	1482.6	1435.6	1388.6	1435.6	1482.6	1494.4	1603.4	1748.9	1821.5	1928.1	2141.3
145°	1527.2	1486.2	1445.2	1486.2	1527.2	1537.5	1628.1	1748.9	1809.2	1896.4	2070.8
147.5°	1581.6	1541.7	1501.8	1541.7	1581.6	1591.6	1664.2	1760.9	1809.2	1877.8	2015.0
150°	1610.8	1574.7	1538.7	1574.7	1610.8	1619.8	1682.9	1767.1	1809.2	1867.2	1983.0
152.5°	1631.5	1604.1	1576.8	1604.1	1631.5	1638.3	1695.3	1771.3	1809.2	1858.7	1957.6
155°	1673.8	1653.6	1633.4	1653.6	1673.8	1678.9	1722.3	1780.2	1809.2	1848.6	1927.3
157.5°	1714.6	1694.9	1675.2	1694.9	1714.6	1719.5	1749.4	1789.3	1809.2	1839.9	1901.1
160°	1734.1	1718.8	1703.5	1718.8	1734.1	1737.9	1761.7	1793.3	1809.2	1835.4	1888.0
162.5°	1754.8	1743.2	1731.8	1743.2	1754.8	1757.6	1774.8	1797.8	1809.2	1831.4	1875.7
165°	1783.3	1772.8	1762.5	1772.8	1783.3	1785.8	1793.6	1804.0	1809.2	1825.1	1856.8
167.5°	1800.6	1795.7	1790.8	1795.7	1800.6	1801.9	1808.4	1817.2	1821.5	1831.9	1852.7
170°	1819.1	1814.1	1809.2	1814.1	1819.1	1820.4	1820.7	1821.2	1821.5	1831.9	1852.7
172.5°	1821.2	1820.2	1819.1	1820.2	1821.2	1821.5	1821.5	1821.5	1821.5	1829.7	1846.1
175°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1828.9	1824.0	1821.5	1826.8	1837.1
177.5°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1829.7	1825.9	1824.0	1828.1	1836.3
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



TEST NUMBER: P935893

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1348.9	1345.0	1350.3	1335.7	1350.3	1345.0	1348.9	1358.2	1350.3	1355.6	1360.9
5°	1183.7	1177.1	1155.9	1138.7	1155.9	1177.1	1183.7	1211.4	1224.6	1248.5	1280.2
7.5°	1058.0	1052.8	1047.4	1036.9	1047.4	1052.8	1058.0	1066.0	1079.2	1100.4	1124.1
10°	1030.3	1031.6	1039.5	1038.2	1039.5	1031.6	1030.3	1027.6	1023.7	1027.6	1042.1
12.5°	1101.7	1113.6	1157.2	1154.6	1157.2	1113.6	1101.7	1048.8	1013.0	1006.4	1009.1
15°	1183.7	1187.6	1196.9	1198.2	1196.9	1187.6	1183.7	1162.5	1055.4	1009.1	994.6
17.5°	1191.6	1193.0	1199.6	1199.6	1199.6	1193.0	1191.6	1182.3	1146.6	1084.5	1002.5
20°	1185.0	1187.6	1200.8	1203.5	1200.8	1187.6	1185.0	1173.0	1153.2	1130.7	1068.6
22.5°	1182.3	1187.6	1198.2	1196.9	1198.2	1187.6	1182.3	1163.8	1146.6	1130.7	1105.6
25°	1169.1	1169.1	1170.5	1171.8	1170.5	1169.1	1169.1	1154.6	1120.2	1116.3	1101.7
27.5°	1141.3	1144.0	1151.9	1150.6	1151.9	1144.0	1141.3	1136.1	1099.0	1095.1	1084.5
30°	1116.3	1113.6	1107.0	1101.7	1107.0	1113.6	1116.3	1108.3	1071.3	1060.6	1063.3
32.5°	1073.9	1067.2	1060.6	1056.7	1060.6	1067.2	1073.9	1071.3	1043.5	1028.9	1031.6
35°	1023.7	1024.9	1023.7	1019.6	1023.7	1024.9	1023.7	1026.3	1009.1	995.9	994.6
37.5°	988.0	990.5	989.3	983.9	989.3	990.5	988.0	985.3	961.4	957.5	960.2
40°	950.9	952.2	950.9	947.0	950.9	952.2	950.9	945.6	912.5	913.8	923.1
42.5°	915.2	913.8	909.9	907.2	909.9	913.8	915.2	907.2	864.9	861.0	878.1
45°	874.2	875.5	867.6	863.6	867.6	875.5	874.2	868.9	825.3	814.6	826.6
47.5°	833.2	833.2	826.6	822.6	826.6	833.2	833.2	826.6	780.3	769.7	776.3
50°	789.6	788.2	778.9	777.7	778.9	788.2	789.6	785.5	736.6	727.4	727.4
52.5°	739.3	739.3	740.6	743.2	740.6	739.3	739.3	740.6	697.0	687.7	685.1
55°	695.6	697.0	706.3	708.8	706.3	697.0	695.6	695.6	656.0	646.7	641.4
57.5°	650.7	650.7	657.3	657.3	657.3	650.7	650.7	648.0	609.6	601.8	599.1
60°	599.1	601.8	607.1	605.7	607.1	601.8	599.1	596.4	563.4	558.1	548.8
62.5°	544.9	547.5	548.8	546.2	548.8	547.5	544.9	537.0	517.2	513.1	501.3
65°	488.0	490.6	492.0	489.4	492.0	490.6	488.0	484.0	469.5	462.9	452.3
67.5°	429.8	428.5	427.1	432.5	427.1	428.5	429.8	424.6	415.3	410.0	395.5
70°	370.3	370.3	369.0	371.6	369.0	370.3	370.3	366.3	361.1	357.1	343.8
72.5°	306.8	305.5	310.8	306.8	310.8	305.5	306.8	305.5	302.9	298.9	285.6
75°	244.6	247.3	244.6	248.7	244.6	247.3	244.6	246.0	244.6	242.1	232.8
77.5°	186.5	189.1	186.5	186.5	186.5	189.1	186.5	187.8	187.8	187.8	179.8
80°	132.2	130.9	130.9	129.6	130.9	130.9	132.2	132.2	133.6	130.9	128.3
82.5°	84.6	83.3	83.3	86.0	83.3	83.3	84.6	86.0	83.3	83.3	83.3
85°	46.2	47.6	45.0	45.0	45.0	47.6	46.2	43.7	46.2	46.2	45.0
87.5°	17.2	15.9	15.9	15.9	15.9	15.9	17.2	18.5	18.5	18.5	19.8
90°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4
92.5°	233.7	224.4	187.2	150.1	187.2	224.4	233.7	331.3	461.3	526.4	462.2
95°	793.3	765.1	652.5	539.9	652.5	765.1	793.3	1041.8	1373.0	1538.7	1299.4
97.5°	1831.4	1777.9	1563.5	1349.2	1563.5	1777.9	1831.4	1988.5	2197.8	2302.5	1903.8
100°	2571.8	2508.0	2252.7	1997.4	2252.7	2508.0	2571.8	2560.3	2545.1	2537.4	2094.9
102.5°	3204.0	3149.4	2930.7	2712.1	2930.7	3149.4	3204.0	3003.9	2737.2	2603.8	2155.0
105°	3942.0	3912.6	3795.1	3677.6	3795.1	3912.6	3942.0	3493.5	2895.5	2596.4	2161.8
107.5°	4325.8	4332.9	4361.3	4389.7	4361.3	4332.9	4325.8	3700.2	2865.9	2448.8	2065.7
110°	4424.2	4454.7	4577.2	4699.7	4577.2	4454.7	4424.2	3724.7	2792.2	2325.9	1980.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4361.4	4408.4	4596.4	4784.5	4596.4	4408.4	4361.4	3645.5	2691.1	2213.9	1905.8
115°	4148.6	4213.8	4474.6	4735.3	4474.6	4213.8	4148.6	3459.0	2539.5	2079.9	1820.5
117.5°	3854.7	3926.9	4216.1	4505.3	4216.1	3926.9	3854.7	3232.3	2402.5	1987.6	1767.0
120°	3656.7	3726.9	4007.9	4288.8	4007.9	3726.9	3656.7	3088.1	2329.8	1950.7	1749.0
122.5°	3458.6	3527.9	3805.1	4082.2	3805.1	3527.9	3458.6	2946.6	2263.8	1922.4	1739.6
125°	3196.6	3260.4	3515.8	3771.1	3515.8	3260.4	3196.6	2761.6	2181.6	1891.6	1731.7
127.5°	2986.3	3040.1	3255.6	3470.9	3255.6	3040.1	2986.3	2612.8	2114.8	1865.8	1727.3
130°	2853.5	2903.3	3102.3	3301.2	3102.3	2903.3	2853.5	2521.0	2077.6	1855.9	1729.9
132.5°	2740.3	2784.9	2963.0	3141.3	2963.0	2784.9	2740.3	2442.6	2045.8	1847.4	1731.8
135°	2580.5	2618.8	2772.4	2926.1	2772.4	2618.8	2580.5	2331.2	1998.8	1832.6	1730.1
137.5°	2462.3	2493.8	2619.5	2745.2	2619.5	2493.8	2462.3	2251.6	1970.7	1830.2	1740.8
140°	2367.7	2397.1	2514.6	2632.1	2514.6	2397.1	2367.7	2185.7	1942.9	1821.5	1742.6
142.5°	2301.2	2326.5	2427.6	2528.8	2427.6	2326.5	2301.2	2141.3	1928.1	1821.5	1748.9
145°	2201.6	2220.8	2297.3	2373.8	2297.3	2220.8	2201.6	2070.8	1896.4	1809.2	1748.9
147.5°	2117.9	2133.8	2197.2	2260.6	2197.2	2133.8	2117.9	2015.0	1877.8	1809.2	1760.9
150°	2070.0	2082.8	2134.3	2185.7	2134.3	2082.8	2070.0	1983.0	1867.2	1809.2	1767.1
152.5°	2031.9	2041.5	2080.4	2119.2	2080.4	2041.5	2031.9	1957.6	1858.7	1809.2	1771.3
155°	1986.4	1992.8	2018.5	2044.2	2018.5	1992.8	1986.4	1927.3	1848.6	1809.2	1780.2
157.5°	1947.1	1951.6	1969.5	1987.6	1969.5	1951.6	1947.1	1901.1	1839.9	1809.2	1789.3
160°	1927.3	1929.9	1940.3	1950.7	1940.3	1929.9	1927.3	1888.0	1835.4	1809.2	1793.3
162.5°	1908.9	1911.4	1921.1	1931.0	1921.1	1911.4	1908.9	1875.7	1831.4	1809.2	1797.8
165°	1880.6	1883.2	1893.6	1904.0	1893.6	1883.2	1880.6	1856.8	1825.1	1809.2	1804.0
167.5°	1868.3	1869.4	1873.8	1878.1	1873.8	1869.4	1868.3	1852.7	1831.9	1821.5	1817.2
170°	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1852.7	1831.9	1821.5	1821.2
172.5°	1858.4	1857.4	1853.7	1849.8	1853.7	1857.4	1858.4	1846.1	1829.7	1821.5	1821.5
175°	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1837.1	1826.8	1821.5	1824.0
177.5°	1842.4	1841.4	1836.9	1832.6	1836.9	1841.4	1842.4	1836.3	1828.1	1824.0	1825.9
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



TEST NUMBER: P935893

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1398.0	1398.0	1398.0	1398.0	1398.0
2.5°	1380.7	1387.3	1391.3	1396.6	1409.8
5°	1327.8	1353.0	1360.9	1380.7	1404.6
7.5°	1211.4	1288.1	1309.3	1356.9	1393.9
10°	1099.0	1175.7	1212.8	1325.2	1380.7
12.5°	1042.1	1087.2	1112.2	1269.7	1362.2
15°	1006.4	1038.2	1056.7	1195.5	1341.1
17.5°	978.7	1001.2	1014.4	1122.9	1312.0
20°	961.4	972.1	983.9	1069.9	1278.8
22.5°	949.6	943.0	952.2	1032.9	1233.9
25°	941.6	916.5	927.1	1003.8	1181.0
27.5°	948.2	892.7	896.7	977.3	1125.5
30°	949.6	863.6	864.9	949.6	1063.3
32.5°	940.3	833.2	834.6	915.2	993.2
35°	917.9	797.5	796.2	875.5	898.0
37.5°	887.4	759.1	759.1	831.9	793.5
40°	850.4	720.8	724.7	775.0	700.9
42.5°	805.5	679.7	685.1	699.7	632.1
45°	756.5	640.1	644.1	591.2	579.3
47.5°	702.2	599.1	600.5	490.6	562.1
50°	637.4	556.8	551.5	420.5	560.7
52.5°	580.6	510.5	494.6	380.9	509.2
55°	525.0	461.5	427.1	350.4	472.1
57.5°	476.1	398.0	365.0	314.7	464.2
60°	431.2	335.9	310.8	276.4	425.9
62.5°	394.1	289.6	284.4	250.0	386.2
65°	354.5	257.9	256.6	227.5	327.9
67.5°	316.1	236.7	235.5	206.3	250.0
70°	275.1	214.3	211.6	183.8	185.2
72.5°	232.8	189.1	186.5	165.4	153.4
75°	190.4	160.0	158.7	144.2	124.3
77.5°	149.5	127.0	129.6	116.3	91.3
80°	107.1	92.6	95.2	83.3	68.7
82.5°	71.4	60.8	63.5	52.9	46.2
85°	39.6	34.4	35.7	27.8	21.2
87.5°	18.5	15.9	15.9	10.6	6.6
90°	54.1	34.4	31.9	22.2	12.3
92.5°	333.8	237.4	216.5	132.8	49.2
95°	821.1	462.4	424.2	271.2	118.1
97.5°	1106.2	508.0	474.3	339.2	204.2
100°	1209.9	546.1	515.5	393.0	270.6
102.5°	1257.4	584.2	555.6	441.4	327.2
105°	1292.6	640.8	616.6	519.8	423.1
107.5°	1299.3	724.4	701.8	611.7	521.5
110°	1289.4	771.2	750.8	669.4	588.0



TEST NUMBER: P935893

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1289.8	827.7	808.3	730.7	653.1
115°	1301.7	912.6	894.7	823.1	751.5
117.5°	1325.9	995.1	978.8	913.7	848.7
120°	1345.6	1043.0	1027.7	966.5	905.2
122.5°	1373.9	1099.6	1084.1	1022.4	960.6
125°	1412.0	1172.2	1158.1	1101.8	1045.5
127.5°	1450.1	1242.3	1228.1	1171.2	1114.4
130°	1478.0	1289.0	1273.7	1212.5	1151.3
132.5°	1500.6	1327.2	1311.9	1250.6	1189.4
135°	1525.1	1371.4	1357.5	1301.7	1245.9
137.5°	1562.0	1427.9	1414.1	1359.0	1303.8
140°	1584.6	1466.1	1453.4	1402.6	1351.7
142.5°	1603.4	1494.4	1482.6	1435.6	1388.6
145°	1628.1	1537.5	1527.2	1486.2	1445.2
147.5°	1664.2	1591.6	1581.6	1541.7	1501.8
150°	1682.9	1619.8	1610.8	1574.7	1538.7
152.5°	1695.3	1638.3	1631.5	1604.1	1576.8
155°	1722.3	1678.9	1673.8	1653.6	1633.4
157.5°	1749.4	1719.5	1714.6	1694.9	1675.2
160°	1761.7	1737.9	1734.1	1718.8	1703.5
162.5°	1774.8	1757.6	1754.8	1743.2	1731.8
165°	1793.6	1785.8	1783.3	1772.8	1762.5
167.5°	1808.4	1801.9	1800.6	1795.7	1790.8
170°	1820.7	1820.4	1819.1	1814.1	1809.2
172.5°	1821.5	1821.5	1821.2	1820.2	1819.1
175°	1828.9	1832.6	1832.6	1832.6	1832.6
177.5°	1829.7	1832.6	1832.6	1832.6	1832.6
180°	1832.6	1832.6	1832.6	1832.6	1832.6



TEST NUMBER: P935893
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	8.09	8.76	9.25	9.90	11.51	10.93	11.60	12.09	12.74	14.34
	3H	8.55	9.15	9.72	10.30	11.92	12.26	12.86	13.43	14.01	15.63
	4H	8.74	9.30	9.91	10.45	12.08	12.70	13.26	13.87	14.42	16.04
	6H	8.84	9.36	10.02	10.52	12.15	12.98	13.50	14.16	14.65	16.29
	8H	8.84	9.33	10.02	10.50	12.13	13.05	13.54	14.23	14.71	16.34
	12H	8.80	9.27	9.99	10.44	12.09	13.08	13.55	14.26	14.71	16.36
4H	2H	9.10	9.67	10.28	10.82	12.44	11.31	11.88	12.50	13.03	14.66
	3H	10.11	10.58	11.30	11.76	13.40	12.80	13.28	13.99	14.45	16.09
	4H	10.38	10.81	11.57	11.98	13.63	13.33	13.76	14.51	14.92	16.58
	6H	10.49	10.86	11.68	12.05	13.70	13.68	14.05	14.87	15.24	16.88
	8H	10.49	10.84	11.68	12.02	13.68	13.78	14.13	14.97	15.31	16.97
	12H	10.45	10.77	11.66	11.95	13.62	13.83	14.15	15.04	15.34	17.00
8H	4H	10.82	11.16	12.01	12.34	14.01	13.43	13.78	14.62	14.96	16.62
	6H	11.07	11.36	12.28	12.58	14.24	13.86	14.15	15.07	15.37	17.03
	8H	11.11	11.36	12.32	12.56	14.24	14.02	14.26	15.23	15.46	17.14
	12H	11.09	11.30	12.30	12.50	14.21	14.11	14.32	15.32	15.52	17.23
12H	4H	10.81	11.13	12.02	12.32	13.99	13.39	13.70	14.59	14.89	16.56
	6H	11.13	11.38	12.34	12.58	14.26	13.86	14.11	15.07	15.31	16.99
	8H	11.19	11.41	12.40	12.60	14.31	14.01	14.23	15.23	15.43	17.14