

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: P936182

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936182
REPORT IS A COMBINATION OF REPORTS P933782 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

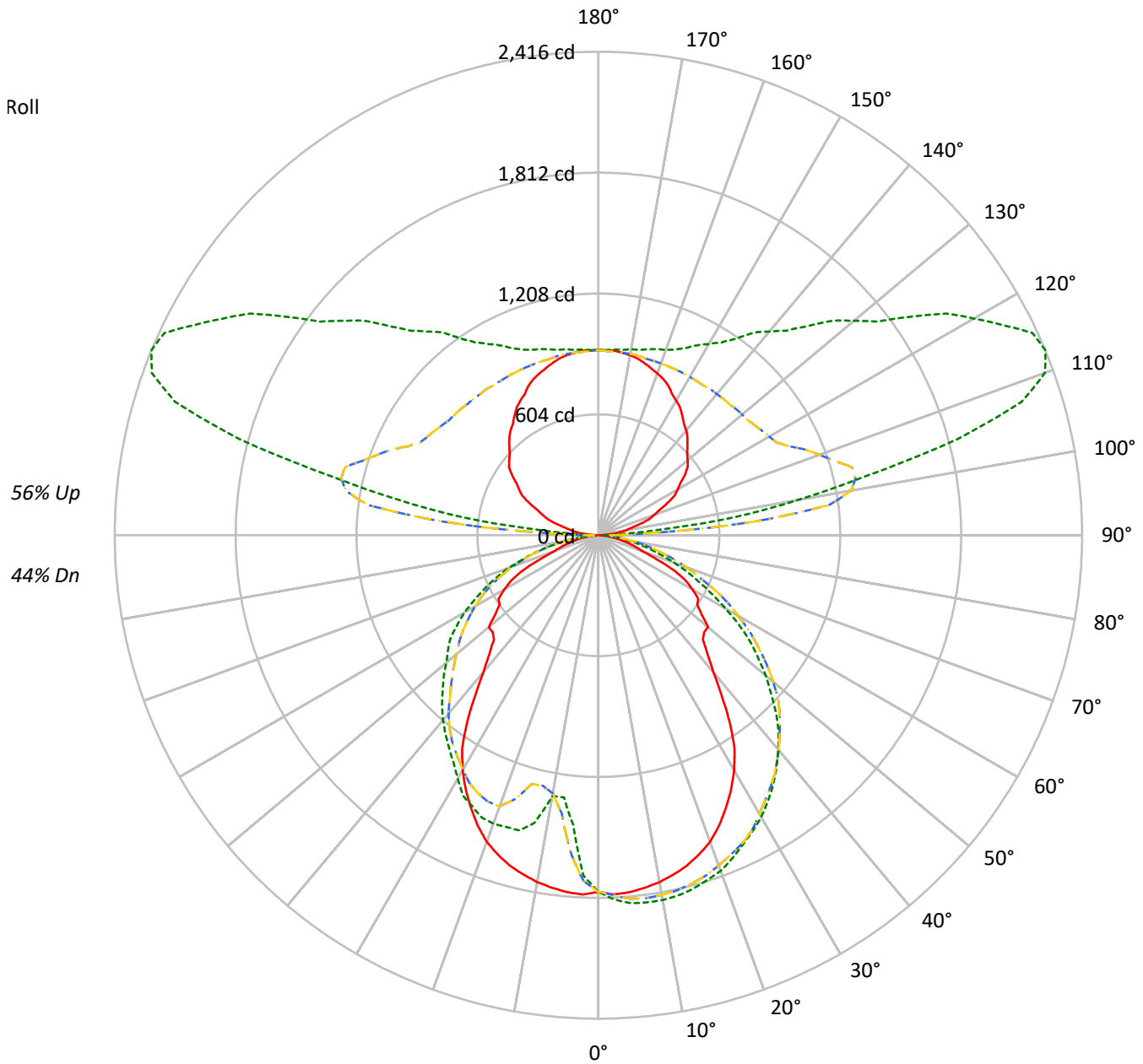
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10623.3 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 83.2
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	50	30	10
RCR																				
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44		44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37		37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31		31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26		26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22		22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19		19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17		17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15		15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13		13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12		12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11		11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16532	16532	16532	16532
5°	16637	16689	16637	13123
10°	16508	16439	16508	11753
15°	16309	16083	16309	13429
20°	15951	15661	15951	13457
25°	15233	15045	15233	13172
30°	14314	14535	14314	12547
35°	12742	13889	12742	11858
40°	10598	13127	10598	11339
45°	9451	12238	9451	10741
50°	10017	11175	10017	10140
55°	9400	10031	9400	9794
60°	9654	8520	9654	8970
65°	8711	7043	8711	7873
70°	5991	5613	5991	6598
75°	5198	4148	5198	4968
80°	4100	2743	4100	2985
85°	2236	1452	2236	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	1.5
10°-20°	456.6	4.3
20°-30°	705.9	6.6
30°-40°	842.6	7.9
40°-50°	847.6	8.0
50°-60°	737.5	6.9
60°-70°	522.9	4.9
70°-80°	276.6	2.6
80°-90°	72.4	0.7
90°-100°	451.2	4.2
100°-110°	1186.2	11.2
110°-120°	1230.0	11.6
120°-130°	986.6	9.3
130°-140°	774.1	7.3
140°-150°	594.2	5.6
150°-160°	427.9	4.0
160°-170°	261.8	2.5
170°-180°	88.5	0.8
0°-30°	1323.3	12.5
0°-40°	2165.9	20.4
0°-60°	3751.0	35.3
0°-90°	4623.0	43.5
90°-120°	2867.4	27.0
90°-150°	5222.2	49.2
90°-180°	6000.0	56.5
0°-180°	10623.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1782	1782	1782	1782	1782	
5°	1790	1846	1790	1451	1790	170
15°	1709	1829	1709	1527	1709	481
25°	1505	1706	1505	1493	1505	691
35°	1144	1522	1144	1300	1144	708
45°	738	1254	738	1101	738	591
55°	602	925	602	904	602	553
65°	418	558	418	624	418	399
75°	158	265	158	317	158	167
85°	27	67	27	57	27	36
90°	6	24	6	24	6	6
95°	60	273	60	273	60	66
105°	214	1857	214	1857	214	227
115°	380	2392	380	2392	380	375
125°	528	1905	528	1905	528	469
135°	629	1478	629	1478	629	487
145°	730	1199	730	1199	730	457
155°	825	1032	825	1032	825	379
165°	890	962	890	962	890	251
175°	926	932	926	932	926	88
180°	926	926	926	926	926	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1796.8	1796.8	1806.9	1810.3	1810.3	1805.2	1800.2	1805.2	1820.4	1825.5	1823.8
5°	1790.0	1803.6	1822.1	1825.5	1828.9	1827.2	1823.8	1827.2	1844.0	1847.4	1849.1
7.5°	1776.6	1801.9	1825.5	1830.5	1835.5	1830.5	1828.9	1832.2	1849.1	1852.5	1852.5
10°	1759.7	1795.1	1822.1	1825.5	1830.5	1825.5	1825.5	1832.2	1849.1	1852.5	1854.2
12.5°	1736.1	1785.0	1810.3	1813.6	1820.4	1818.7	1817.0	1823.8	1840.6	1844.0	1844.0
15°	1709.1	1766.5	1790.0	1793.4	1805.2	1801.9	1801.9	1808.6	1827.2	1832.2	1830.5
17.5°	1672.1	1742.9	1769.8	1774.9	1783.3	1781.6	1783.3	1790.0	1806.9	1810.3	1811.9
20°	1630.0	1710.8	1742.9	1747.9	1756.3	1756.3	1756.3	1764.8	1781.6	1788.4	1788.4
22.5°	1572.6	1677.2	1710.8	1714.2	1724.3	1724.3	1727.7	1739.5	1754.7	1756.3	1756.3
25°	1505.2	1640.0	1668.7	1678.9	1688.9	1694.0	1699.1	1705.7	1710.8	1709.1	1710.8
27.5°	1434.4	1592.8	1630.0	1636.6	1650.2	1655.3	1661.9	1663.6	1665.3	1670.4	1667.0
30°	1355.2	1527.1	1582.7	1589.5	1611.4	1614.7	1608.0	1611.4	1619.8	1623.2	1626.6
32.5°	1265.8	1429.4	1533.8	1549.0	1569.3	1559.1	1557.4	1562.5	1576.0	1576.0	1579.4
35°	1144.5	1353.5	1488.3	1501.9	1517.0	1505.2	1511.9	1513.6	1522.1	1527.1	1525.5
37.5°	1011.3	1287.7	1441.1	1451.3	1463.0	1447.9	1458.0	1463.0	1469.8	1466.4	1466.4
40°	893.3	1184.9	1385.5	1392.3	1402.4	1390.6	1400.7	1404.1	1407.4	1404.1	1402.4
42.5°	805.7	1072.0	1326.6	1334.9	1328.2	1336.6	1340.0	1346.8	1341.7	1334.9	1334.9
45°	738.2	1041.7	1262.4	1272.6	1262.4	1276.0	1281.1	1281.1	1265.8	1262.4	1260.8
47.5°	716.3	981.0	1198.4	1198.4	1193.4	1210.2	1218.6	1206.9	1191.7	1186.6	1186.6
50°	714.6	913.5	1110.7	1104.1	1127.7	1147.9	1139.4	1127.7	1115.8	1097.3	1097.3
52.5°	648.9	831.0	997.9	1023.1	1060.2	1072.0	1058.5	1046.7	1026.5	1018.1	1011.3
55°	601.8	745.0	895.0	945.6	984.3	999.5	974.3	962.4	932.2	927.1	923.7
57.5°	591.6	620.3	800.7	864.7	911.8	910.2	895.0	873.1	847.8	842.8	841.1
60°	542.7	448.4	699.5	775.4	824.2	819.2	805.7	785.4	761.8	758.5	755.2
62.5°	492.2	325.3	584.9	670.8	739.9	738.2	726.5	696.1	679.3	670.8	664.1
65°	418.0	273.1	416.3	558.0	657.4	660.7	635.4	613.5	595.0	584.9	583.2
67.5°	318.5	222.5	281.5	465.2	578.2	574.8	542.7	532.7	509.1	504.0	493.9
70°	236.0	148.3	195.5	377.6	500.6	492.2	466.9	455.1	433.2	421.4	414.6
72.5°	195.5	119.7	143.2	293.3	421.4	411.2	389.3	375.9	357.4	347.2	340.4
75°	158.5	126.4	109.6	217.4	342.1	335.5	315.2	301.7	286.5	273.1	274.7
77.5°	116.3	118.0	87.6	160.2	271.4	261.3	249.5	232.6	225.9	212.3	212.3
80°	87.6	92.7	65.7	109.6	195.5	195.5	185.5	173.6	161.8	155.1	155.1
82.5°	59.0	59.0	48.9	69.1	133.2	128.1	121.3	118.0	111.3	107.9	107.9
85°	27.0	33.7	30.4	42.1	72.5	75.9	75.9	72.5	70.8	67.4	69.1
87.5°	8.5	15.1	18.5	23.6	37.1	38.7	40.4	40.4	40.4	42.1	42.1
90°	6.2	11.2	16.1	17.4	27.4	40.6	47.2	41.9	31.5	23.6	23.6
92.5°	24.8	67.0	109.4	119.9	168.5	233.4	265.8	233.0	167.3	118.0	113.3
95°	59.7	137.0	214.2	233.6	414.7	656.4	777.2	693.5	526.2	400.7	386.4
97.5°	103.1	171.3	239.5	256.6	558.7	961.5	1162.9	1110.0	1004.3	925.0	897.9
100°	136.7	198.5	260.4	275.8	611.0	1058.1	1281.6	1285.4	1293.2	1299.0	1266.7
102.5°	165.2	223.0	280.7	295.1	635.1	1088.4	1315.1	1382.4	1517.2	1618.3	1590.7
105°	213.7	262.6	311.4	323.7	652.9	1091.8	1311.3	1462.3	1764.4	1991.0	1976.2
107.5°	263.4	309.0	354.6	365.9	656.3	1043.3	1236.8	1447.5	1868.8	2184.8	2188.4
110°	296.9	338.0	379.3	389.5	651.3	1000.2	1174.7	1410.2	1881.2	2234.5	2250.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	329.9	369.1	408.4	418.1	651.5	962.6	1118.2	1359.2	1841.3	2202.9	2226.6
115°	379.6	415.7	451.9	460.9	657.5	919.5	1050.5	1282.6	1747.1	2095.4	2128.4
117.5°	428.7	461.5	494.4	502.6	669.7	892.5	1003.9	1213.4	1632.5	1946.9	1983.4
120°	457.2	488.1	519.0	526.8	679.6	883.4	985.2	1176.7	1559.6	1846.9	1882.3
122.5°	485.2	516.3	547.6	555.4	693.9	878.7	971.0	1143.4	1488.2	1746.9	1781.8
125°	528.1	556.5	585.0	592.0	713.1	874.7	955.5	1101.9	1394.8	1614.5	1646.8
127.5°	562.8	591.5	620.2	627.4	732.4	872.4	942.4	1068.2	1319.7	1508.3	1535.5
130°	581.5	612.3	643.2	651.0	746.5	873.8	937.4	1049.4	1273.3	1441.2	1466.3
132.5°	600.7	631.7	662.5	670.3	757.9	874.7	933.1	1033.3	1233.7	1384.0	1406.6
135°	629.3	657.5	685.5	692.6	770.3	873.8	925.6	1009.5	1177.4	1303.3	1322.7
137.5°	658.5	686.3	714.2	721.2	788.9	879.3	924.4	995.3	1137.2	1243.7	1259.5
140°	682.8	708.5	734.2	740.5	800.4	880.2	920.0	981.3	1103.9	1195.8	1210.6
142.5°	701.4	725.1	748.8	754.8	809.8	883.3	920.0	973.9	1081.6	1162.3	1175.1
145°	730.0	750.7	771.3	776.5	822.3	883.4	913.8	957.9	1045.9	1111.9	1121.6
147.5°	758.5	778.7	798.8	803.9	840.5	889.4	913.8	948.5	1017.7	1069.7	1077.7
150°	777.2	795.4	813.5	818.1	850.0	892.5	913.8	943.1	1001.6	1045.5	1052.0
152.5°	796.4	810.2	824.0	827.5	856.3	894.6	913.8	938.8	988.8	1026.3	1031.2
155°	825.0	835.2	845.4	848.0	869.9	899.2	913.8	933.8	973.5	1003.3	1006.6
157.5°	846.1	856.1	865.9	868.4	883.6	903.8	913.8	929.3	960.1	983.4	985.6
160°	860.3	868.1	875.9	877.8	889.8	905.9	913.8	927.1	953.6	973.4	974.7
162.5°	874.7	880.5	886.2	887.7	896.4	908.1	913.8	925.0	947.4	964.1	965.3
165°	890.2	895.4	900.7	902.0	906.0	911.2	913.8	921.8	937.8	949.8	951.1
167.5°	904.5	907.0	909.4	910.0	913.3	917.8	920.0	925.3	935.7	943.6	944.2
170°	913.8	916.3	918.8	919.4	919.6	919.9	920.0	925.3	935.7	943.6	943.6
172.5°	918.8	919.3	919.9	920.0	920.0	920.0	920.0	924.2	932.5	938.6	938.1
175°	925.6	925.6	925.6	925.6	923.7	921.2	920.0	922.6	927.9	931.9	931.9
177.5°	925.6	925.6	925.6	925.6	924.2	922.3	921.3	923.4	927.5	930.6	930.0
180°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1827.2	1822.1	1827.2	1823.8	1825.5	1820.4	1805.2	1800.2	1805.2	1810.3	1810.3
5°	1849.1	1845.7	1849.1	1849.1	1847.4	1844.0	1827.2	1823.8	1827.2	1828.9	1825.5
7.5°	1855.7	1850.8	1855.7	1852.5	1852.5	1849.1	1832.2	1828.9	1830.5	1835.5	1830.5
10°	1855.7	1850.8	1855.7	1854.2	1852.5	1849.1	1832.2	1825.5	1825.5	1830.5	1825.5
12.5°	1847.4	1844.0	1847.4	1844.0	1844.0	1840.6	1823.8	1817.0	1818.7	1820.4	1813.6
15°	1833.8	1828.9	1833.8	1830.5	1832.2	1827.2	1808.6	1801.9	1801.9	1805.2	1793.4
17.5°	1813.6	1806.9	1813.6	1811.9	1810.3	1806.9	1790.0	1783.3	1781.6	1783.3	1774.9
20°	1790.0	1785.0	1790.0	1788.4	1788.4	1781.6	1764.8	1756.3	1756.3	1756.3	1747.9
22.5°	1753.0	1747.9	1753.0	1756.3	1756.3	1754.7	1739.5	1727.7	1724.3	1724.3	1714.2
25°	1710.8	1705.7	1710.8	1710.8	1709.1	1710.8	1705.7	1699.1	1694.0	1688.9	1678.9
27.5°	1670.4	1667.0	1670.4	1667.0	1670.4	1665.3	1663.6	1661.9	1655.3	1650.2	1636.6
30°	1630.0	1626.6	1630.0	1626.6	1623.2	1619.8	1611.4	1608.0	1614.7	1611.4	1589.5
32.5°	1579.4	1576.0	1579.4	1579.4	1576.0	1576.0	1562.5	1557.4	1559.1	1569.3	1549.0
35°	1527.1	1522.1	1527.1	1525.5	1527.1	1522.1	1513.6	1511.9	1505.2	1517.0	1501.9
37.5°	1466.4	1461.3	1466.4	1466.4	1466.4	1469.8	1463.0	1458.0	1447.9	1463.0	1451.3
40°	1404.1	1397.3	1404.1	1402.4	1404.1	1407.4	1404.1	1400.7	1390.6	1402.4	1392.3
42.5°	1333.2	1331.6	1333.2	1334.9	1334.9	1341.7	1346.8	1340.0	1336.6	1328.2	1334.9
45°	1257.4	1254.1	1257.4	1260.8	1262.4	1265.8	1281.1	1281.1	1276.0	1262.4	1272.6
47.5°	1176.5	1168.1	1176.5	1186.6	1186.6	1191.7	1206.9	1218.6	1210.2	1193.4	1198.4
50°	1090.5	1092.2	1090.5	1097.3	1097.3	1115.8	1127.7	1139.4	1147.9	1127.7	1104.1
52.5°	1006.3	1004.6	1006.3	1011.3	1018.1	1026.5	1046.7	1058.5	1072.0	1060.2	1023.1
55°	922.0	925.4	922.0	923.7	927.1	932.2	962.4	974.3	999.5	984.3	945.6
57.5°	837.7	832.7	837.7	841.1	842.8	847.8	873.1	895.0	910.2	911.8	864.7
60°	739.9	733.3	739.9	755.2	758.5	761.8	785.4	805.7	819.2	824.2	775.4
62.5°	654.0	642.2	654.0	664.1	670.8	679.3	696.1	726.5	738.2	739.9	670.8
65°	562.9	558.0	562.9	583.2	584.9	595.0	613.5	635.4	660.7	657.4	558.0
67.5°	480.4	480.4	480.4	493.9	504.0	509.1	532.7	542.7	574.8	578.2	465.2
70°	404.6	402.9	404.6	414.6	421.4	433.2	455.1	466.9	492.2	500.6	377.6
72.5°	332.1	330.4	332.1	340.4	347.2	357.4	375.9	389.3	411.2	421.4	293.3
75°	268.0	264.6	268.0	274.7	273.1	286.5	301.7	315.2	335.5	342.1	217.4
77.5°	205.7	205.7	205.7	212.3	212.3	225.9	232.6	249.5	261.3	271.4	160.2
80°	153.4	151.7	153.4	155.1	155.1	161.8	173.6	185.5	195.5	195.5	109.6
82.5°	107.9	104.5	107.9	107.9	107.9	111.3	118.0	121.3	128.1	133.2	69.1
85°	67.4	67.4	67.4	69.1	67.4	70.8	72.5	75.9	75.9	72.5	42.1
87.5°	43.8	42.1	43.8	42.1	42.1	40.4	40.4	40.4	38.7	37.1	23.6
90°	23.6	23.6	23.6	23.6	23.6	31.5	41.9	47.2	40.6	27.4	17.4
92.5°	94.5	75.8	94.5	113.3	118.0	167.3	233.0	265.8	233.4	168.5	119.9
95°	329.6	272.7	329.6	386.4	400.7	526.2	693.5	777.2	656.4	414.7	233.6
97.5°	789.7	681.5	789.7	897.9	925.0	1004.3	1110.0	1162.9	961.5	558.7	256.6
100°	1137.8	1008.8	1137.8	1266.7	1299.0	1293.2	1285.4	1281.6	1058.1	611.0	275.8
102.5°	1480.3	1369.8	1480.3	1590.7	1618.3	1517.2	1382.4	1315.1	1088.4	635.1	295.1
105°	1916.8	1857.4	1916.8	1976.2	1991.0	1764.4	1462.3	1311.3	1091.8	652.9	323.7
107.5°	2202.8	2217.1	2202.8	2188.4	2184.8	1868.8	1447.5	1236.8	1043.3	656.3	365.9
110°	2311.8	2373.7	2311.8	2250.0	2234.5	1881.2	1410.2	1174.7	1000.2	651.3	389.5



TEST NUMBER: P936182

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2321.6	2416.5	2321.6	2226.6	2202.9	1841.3	1359.2	1118.2	962.6	651.5	418.1
115°	2260.0	2391.7	2260.0	2128.4	2095.4	1747.1	1282.6	1050.5	919.5	657.5	460.9
117.5°	2129.4	2275.5	2129.4	1983.4	1946.9	1632.5	1213.4	1003.9	892.5	669.7	502.6
120°	2024.3	2166.2	2024.3	1882.3	1846.9	1559.6	1176.7	985.2	883.4	679.6	526.8
122.5°	1921.9	2061.8	1921.9	1781.8	1746.9	1488.2	1143.4	971.0	878.7	693.9	555.4
125°	1775.7	1904.7	1775.7	1646.8	1614.5	1394.8	1101.9	955.5	874.7	713.1	592.0
127.5°	1644.3	1753.1	1644.3	1535.5	1508.3	1319.7	1068.2	942.4	872.4	732.4	627.4
130°	1566.8	1667.3	1566.8	1466.3	1441.2	1273.3	1049.4	937.4	873.8	746.5	651.0
132.5°	1496.5	1586.5	1496.5	1406.6	1384.0	1233.7	1033.3	933.1	874.7	757.9	670.3
135°	1400.3	1477.9	1400.3	1322.7	1303.3	1177.4	1009.5	925.6	873.8	770.3	692.6
137.5°	1323.1	1386.5	1323.1	1259.5	1243.7	1137.2	995.3	924.4	879.3	788.9	721.2
140°	1270.0	1329.4	1270.0	1210.6	1195.8	1103.9	981.3	920.0	880.2	800.4	740.5
142.5°	1226.2	1277.2	1226.2	1175.1	1162.3	1081.6	973.9	920.0	883.3	809.8	754.8
145°	1160.3	1199.0	1160.3	1121.6	1111.9	1045.9	957.9	913.8	883.4	822.3	776.5
147.5°	1109.7	1141.8	1109.7	1077.7	1069.7	1017.7	948.5	913.8	889.4	840.5	803.9
150°	1078.0	1103.9	1078.0	1052.0	1045.5	1001.6	943.1	913.8	892.5	850.0	818.1
152.5°	1050.8	1070.3	1050.8	1031.2	1026.3	988.8	938.8	913.8	894.6	856.3	827.5
155°	1019.5	1032.5	1019.5	1006.6	1003.3	973.5	933.8	913.8	899.2	869.9	848.0
157.5°	994.7	1003.9	994.7	985.6	983.4	960.1	929.3	913.8	903.8	883.6	868.4
160°	980.0	985.2	980.0	974.7	973.4	953.6	927.1	913.8	905.9	889.8	877.8
162.5°	970.3	975.3	970.3	965.3	964.1	947.4	925.0	913.8	908.1	896.4	887.7
165°	956.4	961.6	956.4	951.1	949.8	937.8	921.8	913.8	911.2	906.0	902.0
167.5°	946.4	948.6	946.4	944.2	943.6	935.7	925.3	920.0	917.8	913.3	910.0
170°	943.6	943.6	943.6	943.6	943.6	935.7	925.3	920.0	919.9	919.6	919.4
172.5°	936.2	934.3	936.2	938.1	938.6	932.5	924.2	920.0	920.0	920.0	920.0
175°	931.9	931.9	931.9	931.9	931.9	927.9	922.6	920.0	921.2	923.7	925.6
177.5°	927.8	925.6	927.8	930.0	930.6	927.5	923.4	921.3	922.3	924.2	925.6
180°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6



TEST NUMBER: P936182

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1806.9	1796.8	1796.8	1780.0	1773.2	1768.1	1759.7	1734.4	1727.7	1721.0	1731.0
5°	1822.1	1803.6	1790.0	1759.7	1734.4	1724.3	1692.3	1631.6	1591.2	1560.8	1544.0
7.5°	1825.5	1801.9	1776.6	1729.4	1668.7	1641.7	1544.0	1432.7	1402.4	1375.4	1358.5
10°	1822.1	1795.1	1759.7	1688.9	1545.7	1498.5	1400.7	1328.2	1309.6	1304.7	1309.6
12.5°	1810.3	1785.0	1736.1	1618.1	1417.5	1385.5	1328.2	1286.0	1282.7	1291.1	1336.6
15°	1790.0	1766.5	1709.1	1523.8	1346.8	1323.2	1282.7	1267.5	1286.0	1345.1	1481.6
17.5°	1769.8	1742.9	1672.1	1431.1	1292.8	1276.0	1247.3	1277.7	1382.1	1461.3	1506.8
20°	1742.9	1710.8	1630.0	1363.6	1254.1	1238.9	1225.4	1361.9	1441.1	1469.8	1495.1
22.5°	1710.8	1677.2	1572.6	1316.4	1213.6	1201.8	1210.2	1409.1	1441.1	1461.3	1483.2
25°	1668.7	1640.0	1505.2	1279.4	1181.6	1168.1	1200.1	1404.1	1422.6	1427.7	1471.5
27.5°	1630.0	1592.8	1434.4	1245.6	1142.8	1137.7	1208.5	1382.1	1395.6	1400.7	1447.9
30°	1582.7	1527.1	1355.2	1210.2	1102.4	1100.7	1210.2	1355.2	1351.8	1365.3	1412.5
32.5°	1533.8	1429.4	1265.8	1166.4	1063.6	1061.9	1198.4	1314.7	1311.3	1329.9	1365.3
35°	1488.3	1353.5	1144.5	1115.8	1014.7	1016.4	1169.8	1267.5	1269.2	1286.0	1307.9
37.5°	1441.1	1287.7	1011.3	1060.2	967.5	967.5	1131.0	1223.7	1220.3	1225.4	1255.8
40°	1385.5	1184.9	893.3	987.7	923.7	918.6	1083.8	1176.5	1164.7	1163.0	1205.2
42.5°	1326.6	1072.0	805.7	891.6	873.1	866.4	1026.5	1119.2	1097.3	1102.4	1156.3
45°	1262.4	1041.7	738.2	753.5	820.9	815.8	964.1	1053.5	1038.3	1051.8	1107.5
47.5°	1198.4	981.0	716.3	625.4	765.2	763.5	895.0	989.4	981.0	994.5	1053.5
50°	1110.7	913.5	714.6	536.0	702.9	709.6	812.4	927.1	927.1	938.8	1001.2
52.5°	997.9	831.0	648.9	485.5	630.4	650.6	739.9	873.1	876.5	888.3	943.9
55°	895.0	745.0	601.8	446.7	544.4	588.2	669.2	817.5	824.2	836.0	886.6
57.5°	800.7	620.3	591.6	401.2	465.2	507.4	606.8	763.5	766.9	777.1	825.9
60°	699.5	448.4	542.7	352.3	396.1	428.1	549.5	699.5	711.3	718.0	760.1
62.5°	584.9	325.3	492.2	318.5	362.3	369.1	502.3	638.8	654.0	659.1	684.4
65°	416.3	273.1	418.0	289.9	327.0	328.7	451.7	576.5	589.9	598.4	616.9
67.5°	281.5	222.5	318.5	262.9	300.0	301.7	402.9	504.0	522.5	529.3	541.0
70°	195.5	148.3	236.0	234.3	269.7	273.1	350.6	438.2	455.1	460.2	466.9
72.5°	143.2	119.7	195.5	210.7	237.6	241.0	296.6	364.0	381.0	386.0	389.3
75°	109.6	126.4	158.5	183.8	202.3	204.0	242.7	296.6	308.5	311.8	313.5
77.5°	87.6	118.0	116.3	148.3	165.1	161.8	190.4	229.3	239.3	239.3	239.3
80°	65.7	92.7	87.6	106.2	121.3	118.0	136.6	163.5	166.8	170.2	168.5
82.5°	48.9	59.0	59.0	67.4	80.9	77.5	91.0	106.2	106.2	106.2	109.6
85°	30.4	33.7	27.0	35.4	45.5	43.8	50.6	57.3	59.0	59.0	55.6
87.5°	18.5	15.1	8.5	13.4	20.2	20.2	23.6	25.3	23.6	23.6	23.6
90°	16.1	11.2	6.2	11.2	16.1	17.4	27.4	40.6	47.2	41.9	31.5
92.5°	109.4	67.0	24.8	67.0	109.4	119.9	168.5	233.4	265.8	233.0	167.3
95°	214.2	137.0	59.7	137.0	214.2	233.6	414.7	656.4	777.2	693.5	526.2
97.5°	239.5	171.3	103.1	171.3	239.5	256.6	558.7	961.5	1162.9	1110.0	1004.3
100°	260.4	198.5	136.7	198.5	260.4	275.8	611.0	1058.1	1281.6	1285.4	1293.2
102.5°	280.7	223.0	165.2	223.0	280.7	295.1	635.1	1088.4	1315.1	1382.4	1517.2
105°	311.4	262.6	213.7	262.6	311.4	323.7	652.9	1091.8	1311.3	1462.3	1764.4
107.5°	354.6	309.0	263.4	309.0	354.6	365.9	656.3	1043.3	1236.8	1447.5	1868.8
110°	379.3	338.0	296.9	338.0	379.3	389.5	651.3	1000.2	1174.7	1410.2	1881.2



TEST NUMBER: P936182

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	408.4	369.1	329.9	369.1	408.4	418.1	651.5	962.6	1118.2	1359.2	1841.3
115°	451.9	415.7	379.6	415.7	451.9	460.9	657.5	919.5	1050.5	1282.6	1747.1
117.5°	494.4	461.5	428.7	461.5	494.4	502.6	669.7	892.5	1003.9	1213.4	1632.5
120°	519.0	488.1	457.2	488.1	519.0	526.8	679.6	883.4	985.2	1176.7	1559.6
122.5°	547.6	516.3	485.2	516.3	547.6	555.4	693.9	878.7	971.0	1143.4	1488.2
125°	585.0	556.5	528.1	556.5	585.0	592.0	713.1	874.7	955.5	1101.9	1394.8
127.5°	620.2	591.5	562.8	591.5	620.2	627.4	732.4	872.4	942.4	1068.2	1319.7
130°	643.2	612.3	581.5	612.3	643.2	651.0	746.5	873.8	937.4	1049.4	1273.3
132.5°	662.5	631.7	600.7	631.7	662.5	670.3	757.9	874.7	933.1	1033.3	1233.7
135°	685.5	657.5	629.3	657.5	685.5	692.6	770.3	873.8	925.6	1009.5	1177.4
137.5°	714.2	686.3	658.5	686.3	714.2	721.2	788.9	879.3	924.4	995.3	1137.2
140°	734.2	708.5	682.8	708.5	734.2	740.5	800.4	880.2	920.0	981.3	1103.9
142.5°	748.8	725.1	701.4	725.1	748.8	754.8	809.8	883.3	920.0	973.9	1081.6
145°	771.3	750.7	730.0	750.7	771.3	776.5	822.3	883.4	913.8	957.9	1045.9
147.5°	798.8	778.7	758.5	778.7	798.8	803.9	840.5	889.4	913.8	948.5	1017.7
150°	813.5	795.4	777.2	795.4	813.5	818.1	850.0	892.5	913.8	943.1	1001.6
152.5°	824.0	810.2	796.4	810.2	824.0	827.5	856.3	894.6	913.8	938.8	988.8
155°	845.4	835.2	825.0	835.2	845.4	848.0	869.9	899.2	913.8	933.8	973.5
157.5°	865.9	856.1	846.1	856.1	865.9	868.4	883.6	903.8	913.8	929.3	960.1
160°	875.9	868.1	860.3	868.1	875.9	877.8	889.8	905.9	913.8	927.1	953.6
162.5°	886.2	880.5	874.7	880.5	886.2	887.7	896.4	908.1	913.8	925.0	947.4
165°	900.7	895.4	890.2	895.4	900.7	902.0	906.0	911.2	913.8	921.8	937.8
167.5°	909.4	907.0	904.5	907.0	909.4	910.0	913.3	917.8	920.0	925.3	935.7
170°	918.8	916.3	913.8	916.3	918.8	919.4	919.6	919.9	920.0	925.3	935.7
172.5°	919.9	919.3	918.8	919.3	919.9	920.0	920.0	920.0	920.0	924.2	932.5
175°	925.6	925.6	925.6	925.6	925.6	925.6	923.7	921.2	920.0	922.6	927.9
177.5°	925.6	925.6	925.6	925.6	925.6	925.6	924.2	922.3	921.3	923.4	927.5
180°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6



TEST NUMBER: P936182

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1719.3	1714.2	1721.0	1702.4	1721.0	1714.2	1719.3	1731.0	1721.0	1727.7	1734.4
5°	1508.5	1500.2	1473.2	1451.3	1473.2	1500.2	1508.5	1544.0	1560.8	1591.2	1631.6
7.5°	1348.5	1341.7	1334.9	1321.5	1334.9	1341.7	1348.5	1358.5	1375.4	1402.4	1432.7
10°	1313.0	1314.7	1324.9	1323.2	1324.9	1314.7	1313.0	1309.6	1304.7	1309.6	1328.2
12.5°	1404.1	1419.2	1474.9	1471.5	1474.9	1419.2	1404.1	1336.6	1291.1	1282.7	1286.0
15°	1508.5	1513.6	1525.5	1527.1	1525.5	1513.6	1508.5	1481.6	1345.1	1286.0	1267.5
17.5°	1518.7	1520.4	1528.8	1528.8	1528.8	1520.4	1518.7	1506.8	1461.3	1382.1	1277.7
20°	1510.2	1513.6	1530.5	1533.8	1530.5	1513.6	1510.2	1495.1	1469.8	1441.1	1361.9
22.5°	1506.8	1513.6	1527.1	1525.5	1527.1	1513.6	1506.8	1483.2	1461.3	1441.1	1409.1
25°	1490.0	1490.0	1491.7	1493.4	1491.7	1490.0	1490.0	1471.5	1427.7	1422.6	1404.1
27.5°	1454.7	1458.0	1468.1	1466.4	1468.1	1458.0	1454.7	1447.9	1400.7	1395.6	1382.1
30°	1422.6	1419.2	1410.8	1404.1	1410.8	1419.2	1422.6	1412.5	1365.3	1351.8	1355.2
32.5°	1368.7	1360.2	1351.8	1346.8	1351.8	1360.2	1368.7	1365.3	1329.9	1311.3	1314.7
35°	1304.7	1306.3	1304.7	1299.6	1304.7	1306.3	1304.7	1307.9	1286.0	1269.2	1267.5
37.5°	1259.1	1262.4	1260.8	1254.1	1260.8	1262.4	1259.1	1255.8	1225.4	1220.3	1223.7
40°	1211.9	1213.6	1211.9	1206.9	1211.9	1213.6	1211.9	1205.2	1163.0	1164.7	1176.5
42.5°	1166.4	1164.7	1159.6	1156.3	1159.6	1164.7	1166.4	1156.3	1102.4	1097.3	1119.2
45°	1114.1	1115.8	1105.8	1100.7	1105.8	1115.8	1114.1	1107.5	1051.8	1038.3	1053.5
47.5°	1061.9	1061.9	1053.5	1048.4	1053.5	1061.9	1061.9	1053.5	994.5	981.0	989.4
50°	1006.3	1004.6	992.8	991.1	992.8	1004.6	1006.3	1001.2	938.8	927.1	927.1
52.5°	942.2	942.2	943.9	947.3	943.9	942.2	942.2	943.9	888.3	876.5	873.1
55°	886.6	888.3	900.1	903.5	900.1	888.3	886.6	886.6	836.0	824.2	817.5
57.5°	829.3	829.3	837.7	837.7	837.7	829.3	829.3	825.9	777.1	766.9	763.5
60°	763.5	766.9	773.7	772.0	773.7	766.9	763.5	760.1	718.0	711.3	699.5
62.5°	694.4	697.8	699.5	696.1	699.5	697.8	694.4	684.4	659.1	654.0	638.8
65°	622.0	625.4	627.0	623.7	627.0	625.4	622.0	616.9	598.4	589.9	576.5
67.5°	547.8	546.1	544.4	551.2	544.4	546.1	547.8	541.0	529.3	522.5	504.0
70°	471.9	471.9	470.3	473.6	470.3	471.9	471.9	466.9	460.2	455.1	438.2
72.5°	391.0	389.3	396.1	391.0	396.1	389.3	391.0	389.3	386.0	381.0	364.0
75°	311.8	315.2	311.8	316.9	311.8	315.2	311.8	313.5	311.8	308.5	296.6
77.5°	237.6	241.0	237.6	237.6	237.6	241.0	237.6	239.3	239.3	239.3	229.3
80°	168.5	166.8	166.8	165.1	166.8	166.8	168.5	168.5	170.2	166.8	163.5
82.5°	107.9	106.2	106.2	109.6	106.2	106.2	107.9	109.6	106.2	106.2	106.2
85°	59.0	60.7	57.3	57.3	57.3	60.7	59.0	55.6	59.0	59.0	57.3
87.5°	21.9	20.2	20.2	20.2	20.2	20.2	21.9	23.6	23.6	23.6	25.3
90°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	31.5	41.9	47.2	40.6
92.5°	118.0	113.3	94.5	75.8	94.5	113.3	118.0	167.3	233.0	265.8	233.4
95°	400.7	386.4	329.6	272.7	329.6	386.4	400.7	526.2	693.5	777.2	656.4
97.5°	925.0	897.9	789.7	681.5	789.7	897.9	925.0	1004.3	1110.0	1162.9	961.5
100°	1299.0	1266.7	1137.8	1008.8	1137.8	1266.7	1299.0	1293.2	1285.4	1281.6	1058.1
102.5°	1618.3	1590.7	1480.3	1369.8	1480.3	1590.7	1618.3	1517.2	1382.4	1315.1	1088.4
105°	1991.0	1976.2	1916.8	1857.4	1916.8	1976.2	1991.0	1764.4	1462.3	1311.3	1091.8
107.5°	2184.8	2188.4	2202.8	2217.1	2202.8	2188.4	2184.8	1868.8	1447.5	1236.8	1043.3
110°	2234.5	2250.0	2311.8	2373.7	2311.8	2250.0	2234.5	1881.2	1410.2	1174.7	1000.2



TEST NUMBER: P936182

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2202.9	2226.6	2321.6	2416.5	2321.6	2226.6	2202.9	1841.3	1359.2	1118.2	962.6
115°	2095.4	2128.4	2260.0	2391.7	2260.0	2128.4	2095.4	1747.1	1282.6	1050.5	919.5
117.5°	1946.9	1983.4	2129.4	2275.5	2129.4	1983.4	1946.9	1632.5	1213.4	1003.9	892.5
120°	1846.9	1882.3	2024.3	2166.2	2024.3	1882.3	1846.9	1559.6	1176.7	985.2	883.4
122.5°	1746.9	1781.8	1921.9	2061.8	1921.9	1781.8	1746.9	1488.2	1143.4	971.0	878.7
125°	1614.5	1646.8	1775.7	1904.7	1775.7	1646.8	1614.5	1394.8	1101.9	955.5	874.7
127.5°	1508.3	1535.5	1644.3	1753.1	1644.3	1535.5	1508.3	1319.7	1068.2	942.4	872.4
130°	1441.2	1466.3	1566.8	1667.3	1566.8	1466.3	1441.2	1273.3	1049.4	937.4	873.8
132.5°	1384.0	1406.6	1496.5	1586.5	1496.5	1406.6	1384.0	1233.7	1033.3	933.1	874.7
135°	1303.3	1322.7	1400.3	1477.9	1400.3	1322.7	1303.3	1177.4	1009.5	925.6	873.8
137.5°	1243.7	1259.5	1323.1	1386.5	1323.1	1259.5	1243.7	1137.2	995.3	924.4	879.3
140°	1195.8	1210.6	1270.0	1329.4	1270.0	1210.6	1195.8	1103.9	981.3	920.0	880.2
142.5°	1162.3	1175.1	1226.2	1277.2	1226.2	1175.1	1162.3	1081.6	973.9	920.0	883.3
145°	1111.9	1121.6	1160.3	1199.0	1160.3	1121.6	1111.9	1045.9	957.9	913.8	883.4
147.5°	1069.7	1077.7	1109.7	1141.8	1109.7	1077.7	1069.7	1017.7	948.5	913.8	889.4
150°	1045.5	1052.0	1078.0	1103.9	1078.0	1052.0	1045.5	1001.6	943.1	913.8	892.5
152.5°	1026.3	1031.2	1050.8	1070.3	1050.8	1031.2	1026.3	988.8	938.8	913.8	894.6
155°	1003.3	1006.6	1019.5	1032.5	1019.5	1006.6	1003.3	973.5	933.8	913.8	899.2
157.5°	983.4	985.6	994.7	1003.9	994.7	985.6	983.4	960.1	929.3	913.8	903.8
160°	973.4	974.7	980.0	985.2	980.0	974.7	973.4	953.6	927.1	913.8	905.9
162.5°	964.1	965.3	970.3	975.3	970.3	965.3	964.1	947.4	925.0	913.8	908.1
165°	949.8	951.1	956.4	961.6	956.4	951.1	949.8	937.8	921.8	913.8	911.2
167.5°	943.6	944.2	946.4	948.6	946.4	944.2	943.6	935.7	925.3	920.0	917.8
170°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	935.7	925.3	920.0	919.9
172.5°	938.6	938.1	936.2	934.3	936.2	938.1	938.6	932.5	924.2	920.0	920.0
175°	931.9	931.9	931.9	931.9	931.9	931.9	931.9	927.9	922.6	920.0	921.2
177.5°	930.6	930.0	927.8	925.6	927.8	930.0	930.6	927.5	923.4	921.3	922.3
180°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6



TEST NUMBER: P936182

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1759.7	1768.1	1773.2	1780.0	1796.8
5°	1692.3	1724.3	1734.4	1759.7	1790.0
7.5°	1544.0	1641.7	1668.7	1729.4	1776.6
10°	1400.7	1498.5	1545.7	1688.9	1759.7
12.5°	1328.2	1385.5	1417.5	1618.1	1736.1
15°	1282.7	1323.2	1346.8	1523.8	1709.1
17.5°	1247.3	1276.0	1292.8	1431.1	1672.1
20°	1225.4	1238.9	1254.1	1363.6	1630.0
22.5°	1210.2	1201.8	1213.6	1316.4	1572.6
25°	1200.1	1168.1	1181.6	1279.4	1505.2
27.5°	1208.5	1137.7	1142.8	1245.6	1434.4
30°	1210.2	1100.7	1102.4	1210.2	1355.2
32.5°	1198.4	1061.9	1063.6	1166.4	1265.8
35°	1169.8	1016.4	1014.7	1115.8	1144.5
37.5°	1131.0	967.5	967.5	1060.2	1011.3
40°	1083.8	918.6	923.7	987.7	893.3
42.5°	1026.5	866.4	873.1	891.6	805.7
45°	964.1	815.8	820.9	753.5	738.2
47.5°	895.0	763.5	765.2	625.4	716.3
50°	812.4	709.6	702.9	536.0	714.6
52.5°	739.9	650.6	630.4	485.5	648.9
55°	669.2	588.2	544.4	446.7	601.8
57.5°	606.8	507.4	465.2	401.2	591.6
60°	549.5	428.1	396.1	352.3	542.7
62.5°	502.3	369.1	362.3	318.5	492.2
65°	451.7	328.7	327.0	289.9	418.0
67.5°	402.9	301.7	300.0	262.9	318.5
70°	350.6	273.1	269.7	234.3	236.0
72.5°	296.6	241.0	237.6	210.7	195.5
75°	242.7	204.0	202.3	183.8	158.5
77.5°	190.4	161.8	165.1	148.3	116.3
80°	136.6	118.0	121.3	106.2	87.6
82.5°	91.0	77.5	80.9	67.4	59.0
85°	50.6	43.8	45.5	35.4	27.0
87.5°	23.6	20.2	20.2	13.4	8.5
90°	27.4	17.4	16.1	11.2	6.2
92.5°	168.5	119.9	109.4	67.0	24.8
95°	414.7	233.6	214.2	137.0	59.7
97.5°	558.7	256.6	239.5	171.3	103.1
100°	611.0	275.8	260.4	198.5	136.7
102.5°	635.1	295.1	280.7	223.0	165.2
105°	652.9	323.7	311.4	262.6	213.7
107.5°	656.3	365.9	354.6	309.0	263.4
110°	651.3	389.5	379.3	338.0	296.9



TEST NUMBER: P936182

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	651.5	418.1	408.4	369.1	329.9
115°	657.5	460.9	451.9	415.7	379.6
117.5°	669.7	502.6	494.4	461.5	428.7
120°	679.6	526.8	519.0	488.1	457.2
122.5°	693.9	555.4	547.6	516.3	485.2
125°	713.1	592.0	585.0	556.5	528.1
127.5°	732.4	627.4	620.2	591.5	562.8
130°	746.5	651.0	643.2	612.3	581.5
132.5°	757.9	670.3	662.5	631.7	600.7
135°	770.3	692.6	685.5	657.5	629.3
137.5°	788.9	721.2	714.2	686.3	658.5
140°	800.4	740.5	734.2	708.5	682.8
142.5°	809.8	754.8	748.8	725.1	701.4
145°	822.3	776.5	771.3	750.7	730.0
147.5°	840.5	803.9	798.8	778.7	758.5
150°	850.0	818.1	813.5	795.4	777.2
152.5°	856.3	827.5	824.0	810.2	796.4
155°	869.9	848.0	845.4	835.2	825.0
157.5°	883.6	868.4	865.9	856.1	846.1
160°	889.8	877.8	875.9	868.1	860.3
162.5°	896.4	887.7	886.2	880.5	874.7
165°	906.0	902.0	900.7	895.4	890.2
167.5°	913.3	910.0	909.4	907.0	904.5
170°	919.6	919.4	918.8	916.3	913.8
172.5°	920.0	920.0	919.9	919.3	918.8
175°	923.7	925.6	925.6	925.6	925.6
177.5°	924.2	925.6	925.6	925.6	925.6
180°	925.6	925.6	925.6	925.6	925.6



TEST NUMBER: P936182
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-4-2700K

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	13.91	14.72	14.92	15.74	17.10	16.71	17.51	17.72	18.53	19.89
	3H	14.38	15.10	15.40	16.13	17.52	18.04	18.76	19.06	19.79	21.17
	4H	14.57	15.26	15.61	16.29	17.68	18.47	19.16	19.51	20.19	21.58
	6H	14.69	15.32	15.73	16.35	17.75	18.75	19.38	19.79	20.41	21.82
	8H	14.69	15.29	15.74	16.34	17.74	18.82	19.42	19.87	20.47	21.87
	12H	14.66	15.23	15.71	16.27	17.69	18.85	19.42	19.90	20.47	21.89
4H	2H	14.93	15.61	15.97	16.64	18.03	17.11	17.79	18.15	18.83	20.22
	3H	15.95	16.52	17.00	17.58	18.98	18.60	19.17	19.65	20.23	21.63
	4H	16.22	16.75	17.28	17.80	19.22	19.12	19.64	20.18	20.69	22.12
	6H	16.35	16.79	17.41	17.87	19.29	19.48	19.92	20.54	21.00	22.42
	8H	16.35	16.77	17.42	17.84	19.27	19.58	19.99	20.64	21.06	22.50
	12H	16.31	16.69	17.40	17.77	19.21	19.63	20.00	20.71	21.09	22.53
8H	4H	16.67	17.09	17.73	18.15	19.59	19.24	19.66	20.31	20.73	22.16
	6H	16.93	17.27	18.01	18.38	19.81	19.67	20.01	20.76	21.12	22.56
	8H	16.97	17.27	18.06	18.36	19.82	19.81	20.12	20.91	21.21	22.66
	12H	16.95	17.22	18.05	18.31	19.80	19.90	20.17	21.00	21.26	22.75
12H	4H	16.67	17.05	17.75	18.13	19.57	19.20	19.58	20.29	20.66	22.10
	6H	16.99	17.29	18.08	18.38	19.83	19.67	19.97	20.76	21.06	22.51
	8H	17.05	17.32	18.15	18.40	19.90	19.82	20.09	20.92	21.17	22.66