

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: P935177

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935177
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

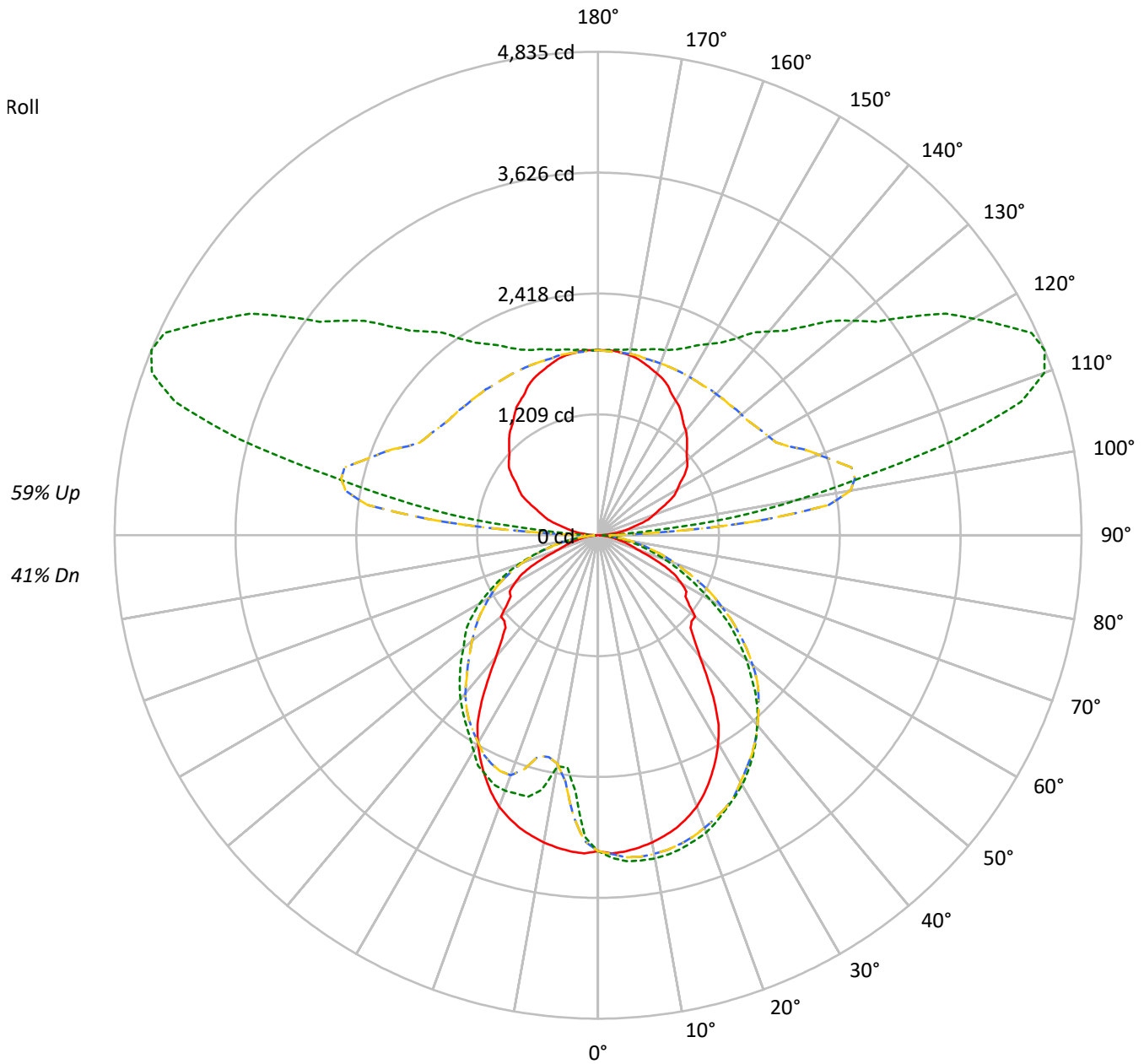
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20200.8 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (A_{in}): 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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9769	9769	9769	9769
5°	9846	9862	9846	7754
10°	9784	9714	9784	6945
15°	9681	9504	9681	7936
20°	9482	9254	9482	7952
25°	9072	8891	9072	7784
30°	8539	8589	8539	7414
35°	7617	8207	7617	7007
40°	6350	7757	6350	6700
45°	5677	7231	5677	6347
50°	6036	6603	6036	5992
55°	5685	5927	5685	5787
60°	5867	5034	5867	5300
65°	5328	4161	5328	4652
70°	3698	3316	3698	3899
75°	3256	2451	3256	2935
80°	2643	1621	2643	1765
85°	1549	858	1549	730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8696 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	1.4
10°-20°	809.5	4.0
20°-30°	1251.3	6.2
30°-40°	1493.8	7.4
40°-50°	1502.5	7.4
50°-60°	1307.4	6.5
60°-70°	926.9	4.6
70°-80°	490.4	2.4
80°-90°	129.2	0.6
90°-100°	902.7	4.5
100°-110°	2373.2	11.7
110°-120°	2460.7	12.2
120°-130°	1973.8	9.8
130°-140°	1548.7	7.7
140°-150°	1188.7	5.9
150°-160°	856.1	4.2
160°-170°	523.8	2.6
170°-180°	177.0	0.9
0°-30°	2345.9	11.6
0°-40°	3839.7	19.0
0°-60°	6649.5	32.9
0°-90°	8196.1	40.6
90°-120°	5736.6	28.4
90°-150°	10447.9	51.7
90°-180°	12005.0	59.4
0°-180°	20200.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3158	3158	3158	3158	3158	
5°	3173	3272	3173	2573	3173	301
15°	3030	3242	3030	2707	3030	853
25°	2668	3024	2668	2648	2668	1225
35°	2029	2698	2029	2304	2029	1255
45°	1309	2223	1309	1951	1309	1048
55°	1067	1640	1067	1602	1067	980
65°	741	989	741	1106	741	708
75°	281	469	281	562	281	295
85°	48	120	48	102	48	65
90°	12	47	12	47	12	12
95°	119	546	119	546	119	132
105°	428	3716	428	3716	428	453
115°	759	4785	759	4785	759	750
125°	1056	3810	1056	3810	1056	938
135°	1259	2957	1259	2957	1259	974
145°	1460	2399	1460	2399	1460	915
155°	1650	2066	1650	2066	1650	758
165°	1781	1924	1781	1924	1781	503
175°	1852	1864	1852	1864	1852	176
180°	1852	1852	1852	1852	1852	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3185.3	3185.3	3203.2	3209.2	3209.2	3200.2	3191.3	3200.2	3227.1	3236.1	3233.1
5°	3173.4	3197.3	3230.1	3236.1	3242.1	3239.1	3233.1	3239.1	3269.0	3274.9	3277.9
7.5°	3149.5	3194.3	3236.1	3245.1	3254.0	3245.1	3242.1	3248.1	3277.9	3283.9	3283.9
10°	3119.6	3182.3	3230.1	3236.1	3245.1	3236.1	3236.1	3248.1	3277.9	3283.9	3286.9
12.5°	3077.7	3164.4	3209.2	3215.2	3227.1	3224.2	3221.2	3233.1	3263.0	3269.0	3269.0
15°	3029.9	3131.5	3173.4	3179.3	3200.2	3194.3	3194.3	3206.2	3239.1	3248.1	3245.1
17.5°	2964.2	3089.7	3137.5	3146.5	3161.4	3158.4	3161.4	3173.4	3203.2	3209.2	3212.2
20°	2889.5	3032.9	3089.7	3098.7	3113.6	3113.6	3113.6	3128.5	3158.4	3170.4	3170.4
22.5°	2787.9	2973.2	3032.9	3038.9	3056.8	3056.8	3062.8	3083.7	3110.6	3113.6	3113.6
25°	2668.4	2907.4	2958.2	2976.1	2994.1	3003.0	3012.0	3024.0	3032.9	3029.9	3032.9
27.5°	2542.8	2823.8	2889.5	2901.4	2925.4	2934.3	2946.3	2949.3	2952.2	2961.2	2955.2
30°	2402.4	2707.2	2805.8	2817.8	2856.6	2862.6	2850.7	2856.6	2871.6	2877.5	2883.5
32.5°	2244.0	2533.8	2719.2	2746.1	2781.9	2764.0	2761.0	2770.0	2793.9	2793.9	2799.9
35°	2028.9	2399.4	2638.5	2662.4	2689.3	2668.4	2680.3	2683.3	2698.3	2707.2	2704.2
37.5°	1792.8	2282.8	2554.7	2572.7	2593.6	2566.7	2584.6	2593.6	2605.5	2599.6	2599.6
40°	1583.6	2100.6	2456.1	2468.1	2486.0	2465.1	2483.0	2489.0	2495.0	2489.0	2486.0
42.5°	1428.3	1900.4	2351.6	2366.5	2354.5	2369.5	2375.5	2387.4	2378.4	2366.5	2366.5
45°	1308.7	1846.6	2238.0	2255.9	2238.0	2261.9	2270.9	2270.9	2244.0	2238.0	2235.0
47.5°	1269.9	1739.0	2124.5	2124.5	2115.5	2145.4	2160.3	2139.4	2112.5	2103.6	2103.6
50°	1266.9	1619.5	1969.1	1957.1	1999.0	2034.8	2019.9	1999.0	1978.1	1945.2	1945.2
52.5°	1150.4	1473.1	1768.9	1813.7	1879.5	1900.4	1876.5	1855.5	1819.7	1804.8	1792.8
55°	1066.7	1320.7	1586.6	1676.3	1745.0	1771.9	1727.1	1706.1	1652.4	1643.4	1637.4
57.5°	1048.8	1099.6	1419.3	1532.8	1616.5	1613.5	1586.6	1547.8	1503.0	1494.0	1491.0
60°	962.1	794.8	1240.0	1374.5	1461.1	1452.2	1428.3	1392.4	1350.6	1344.6	1338.6
62.5°	872.5	576.7	1036.8	1189.2	1311.7	1308.7	1287.8	1234.0	1204.2	1189.2	1177.3
65°	741.0	484.1	738.0	989.0	1165.3	1171.3	1126.5	1087.6	1054.8	1036.8	1033.8
67.5°	564.7	394.4	499.0	824.7	1024.9	1018.9	962.1	944.2	902.4	893.4	875.5
70°	418.3	262.9	346.6	669.3	887.4	872.5	827.7	806.8	767.9	747.0	735.0
72.5°	346.6	212.1	254.0	519.9	747.0	729.1	690.2	666.3	633.5	615.5	603.6
75°	280.9	224.1	194.2	385.5	606.6	594.6	558.8	534.9	508.0	484.1	487.0
77.5°	206.2	209.2	155.4	283.9	481.1	463.1	442.2	412.3	400.4	376.5	376.5
80°	155.4	164.3	116.5	194.2	346.6	346.6	328.7	307.8	286.8	274.9	274.9
82.5°	104.6	104.6	86.7	122.5	236.1	227.1	215.1	209.2	197.2	191.2	191.2
85°	47.8	59.8	53.8	74.7	128.5	134.5	134.5	128.5	125.5	119.5	122.5
87.5°	14.9	26.9	32.9	41.8	65.7	68.7	71.7	71.7	71.7	74.7	74.7
90°	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9	47.2	47.2
92.5°	49.7	134.2	218.7	239.8	337.2	467.0	532.0	466.2	334.8	236.2	226.8
95°	119.3	274.0	428.7	467.3	829.8	1313.1	1554.8	1387.4	1052.7	801.6	773.1
97.5°	206.3	342.7	479.2	513.3	1117.7	1923.6	2326.6	2220.8	2009.2	1850.6	1796.5
100°	273.4	397.1	520.8	551.8	1222.5	2116.8	2564.0	2571.8	2587.2	2598.8	2534.3
102.5°	330.6	446.0	561.4	590.3	1270.6	2177.7	2631.1	2765.9	3035.4	3237.6	3182.3
105°	427.6	525.3	623.1	647.5	1306.3	2184.5	2623.7	2925.8	3530.1	3983.3	3953.6
107.5°	527.0	618.1	709.3	732.1	1312.8	2087.2	2474.5	2896.0	3738.9	4371.0	4378.2
110°	594.1	676.4	758.7	779.3	1302.9	2001.1	2350.2	2821.4	3763.7	4470.4	4501.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	659.9	738.4	816.8	836.4	1303.4	1925.9	2237.1	2719.4	3683.8	4407.1	4454.6
115°	759.4	831.8	904.1	922.2	1315.3	1839.5	2101.7	2566.2	3495.3	4192.1	4257.9
117.5°	857.6	923.3	989.0	1005.5	1339.8	1785.5	2008.4	2427.7	3266.2	3895.1	3968.1
120°	914.7	976.6	1038.5	1054.0	1359.7	1767.4	1971.2	2354.2	3120.4	3695.0	3766.0
122.5°	970.7	1033.2	1095.5	1111.1	1388.3	1757.8	1942.6	2287.5	2977.4	3494.9	3564.9
125°	1056.5	1113.3	1170.2	1184.4	1426.8	1750.0	1911.5	2204.5	2790.6	3230.1	3294.6
127.5°	1126.0	1183.4	1240.9	1255.3	1465.3	1745.4	1885.4	2137.0	2640.2	3017.6	3072.0
130°	1163.3	1225.2	1287.0	1302.5	1493.5	1748.2	1875.5	2099.5	2547.5	2883.4	2933.7
132.5°	1201.9	1263.7	1325.6	1341.0	1516.2	1749.9	1866.7	2067.2	2468.3	2769.1	2814.1
135°	1259.0	1315.3	1371.7	1385.7	1541.1	1748.3	1851.9	2019.8	2355.5	2607.4	2646.3
137.5°	1317.4	1373.2	1429.0	1442.9	1578.4	1759.0	1849.4	1991.3	2275.3	2488.2	2520.0
140°	1365.9	1417.3	1468.6	1481.5	1601.2	1760.8	1840.6	1963.2	2208.5	2392.5	2422.2
142.5°	1403.2	1450.7	1498.2	1510.0	1620.2	1767.1	1840.6	1948.4	2163.8	2325.4	2350.9
145°	1460.3	1501.8	1543.2	1553.6	1645.1	1767.2	1828.3	1916.3	2092.5	2224.7	2244.0
147.5°	1517.5	1557.8	1598.2	1608.2	1681.5	1779.4	1828.3	1897.6	2036.2	2140.2	2156.2
150°	1554.8	1591.2	1627.7	1636.8	1700.7	1785.7	1828.3	1886.8	2003.9	2091.7	2104.6
152.5°	1593.3	1620.9	1648.6	1655.5	1713.0	1789.8	1828.3	1878.3	1978.2	2053.2	2062.9
155°	1650.5	1670.9	1691.4	1696.5	1740.4	1799.0	1828.3	1868.0	1947.5	2007.1	2013.6
157.5°	1692.7	1712.6	1732.5	1737.5	1767.8	1808.1	1828.3	1859.1	1921.0	1967.4	1972.0
160°	1721.3	1736.8	1752.3	1756.1	1780.2	1812.2	1828.3	1854.8	1907.7	1947.5	1950.1
162.5°	1749.9	1761.4	1773.1	1776.0	1793.4	1816.6	1828.3	1850.6	1895.3	1928.9	1931.3
165°	1780.9	1791.4	1802.0	1804.6	1812.4	1823.0	1828.3	1844.3	1876.3	1900.3	1902.9
167.5°	1809.5	1814.5	1819.5	1820.8	1827.4	1836.2	1840.6	1851.2	1872.2	1887.9	1889.0
170°	1828.3	1833.2	1838.2	1839.4	1839.8	1840.3	1840.6	1851.2	1872.2	1887.9	1887.9
172.5°	1838.1	1839.2	1840.3	1840.6	1840.6	1840.6	1840.6	1848.9	1865.5	1878.0	1877.0
175°	1851.9	1851.9	1851.9	1851.9	1848.1	1843.1	1840.6	1845.9	1856.3	1864.2	1864.2
177.5°	1851.9	1851.9	1851.9	1851.9	1849.0	1845.1	1843.1	1847.3	1855.5	1861.7	1860.6
180°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3239.1	3230.1	3239.1	3233.1	3236.1	3227.1	3200.2	3191.3	3200.2	3209.2	3209.2
5°	3277.9	3272.0	3277.9	3277.9	3274.9	3269.0	3239.1	3233.1	3239.1	3242.1	3236.1
7.5°	3289.9	3280.9	3289.9	3283.9	3283.9	3277.9	3248.1	3242.1	3245.1	3254.0	3245.1
10°	3289.9	3280.9	3289.9	3286.9	3283.9	3277.9	3248.1	3236.1	3236.1	3245.1	3236.1
12.5°	3274.9	3269.0	3274.9	3269.0	3269.0	3263.0	3233.1	3221.2	3224.2	3227.1	3215.2
15°	3251.0	3242.1	3251.0	3245.1	3248.1	3239.1	3206.2	3194.3	3194.3	3200.2	3179.3
17.5°	3215.2	3203.2	3215.2	3212.2	3209.2	3203.2	3173.4	3161.4	3158.4	3161.4	3146.5
20°	3173.4	3164.4	3173.4	3170.4	3170.4	3158.4	3128.5	3113.6	3113.6	3113.6	3098.7
22.5°	3107.6	3098.7	3107.6	3113.6	3113.6	3110.6	3083.7	3062.8	3056.8	3056.8	3038.9
25°	3032.9	3024.0	3032.9	3032.9	3029.9	3032.9	3024.0	3012.0	3003.0	2994.1	2976.1
27.5°	2961.2	2955.2	2961.2	2955.2	2961.2	2952.2	2949.3	2946.3	2934.3	2925.4	2901.4
30°	2889.5	2883.5	2889.5	2883.5	2877.5	2871.6	2856.6	2850.7	2862.6	2856.6	2817.8
32.5°	2799.9	2793.9	2799.9	2799.9	2793.9	2793.9	2770.0	2761.0	2764.0	2781.9	2746.1
35°	2707.2	2698.3	2707.2	2704.2	2707.2	2698.3	2683.3	2680.3	2668.4	2689.3	2662.4
37.5°	2599.6	2590.6	2599.6	2599.6	2599.6	2605.5	2593.6	2584.6	2566.7	2593.6	2572.7
40°	2489.0	2477.1	2489.0	2486.0	2489.0	2495.0	2489.0	2483.0	2465.1	2486.0	2468.1
42.5°	2363.5	2360.5	2363.5	2366.5	2366.5	2378.4	2387.4	2375.5	2369.5	2354.5	2366.5
45°	2229.0	2223.1	2229.0	2235.0	2238.0	2244.0	2270.9	2270.9	2261.9	2238.0	2255.9
47.5°	2085.6	2070.7	2085.6	2103.6	2103.6	2112.5	2139.4	2160.3	2145.4	2115.5	2124.5
50°	1933.2	1936.2	1933.2	1945.2	1945.2	1978.1	1999.0	2019.9	2034.8	1999.0	1957.1
52.5°	1783.8	1780.8	1783.8	1792.8	1804.8	1819.7	1855.5	1876.5	1900.4	1879.5	1813.7
55°	1634.4	1640.4	1634.4	1637.4	1643.4	1652.4	1706.1	1727.1	1771.9	1745.0	1676.3
57.5°	1485.0	1476.1	1485.0	1491.0	1494.0	1503.0	1547.8	1586.6	1613.5	1616.5	1532.8
60°	1311.7	1299.8	1311.7	1338.6	1344.6	1350.6	1392.4	1428.3	1452.2	1461.1	1374.5
62.5°	1159.3	1138.4	1159.3	1177.3	1189.2	1204.2	1234.0	1287.8	1308.7	1311.7	1189.2
65°	998.0	989.0	998.0	1033.8	1036.8	1054.8	1087.6	1126.5	1171.3	1165.3	989.0
67.5°	851.6	851.6	851.6	875.5	893.4	902.4	944.2	962.1	1018.9	1024.9	824.7
70°	717.1	714.1	717.1	735.0	747.0	767.9	806.8	827.7	872.5	887.4	669.3
72.5°	588.6	585.6	588.6	603.6	615.5	633.5	666.3	690.2	729.1	747.0	519.9
75°	475.1	469.1	475.1	487.0	484.1	508.0	534.9	558.8	594.6	606.6	385.5
77.5°	364.5	364.5	364.5	376.5	376.5	400.4	412.3	442.2	463.1	481.1	283.9
80°	271.9	268.9	271.9	274.9	274.9	286.8	307.8	328.7	346.6	346.6	194.2
82.5°	191.2	185.3	191.2	191.2	191.2	197.2	209.2	215.1	227.1	236.1	122.5
85°	119.5	119.5	119.5	122.5	119.5	125.5	128.5	134.5	134.5	128.5	74.7
87.5°	77.7	74.7	77.7	74.7	74.7	71.7	71.7	71.7	68.7	65.7	41.8
90°	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2	54.7	34.8
92.5°	189.1	151.6	189.1	226.8	236.2	334.8	466.2	532.0	467.0	337.2	239.8
95°	659.4	545.6	659.4	773.1	801.6	1052.7	1387.4	1554.8	1313.1	829.8	467.3
97.5°	1580.0	1363.4	1580.0	1796.5	1850.6	2009.2	2220.8	2326.6	1923.6	1117.7	513.3
100°	2276.4	2018.4	2276.4	2534.3	2598.8	2587.2	2571.8	2564.0	2116.8	1222.5	551.8
102.5°	2961.4	2740.5	2961.4	3182.3	3237.6	3035.4	2765.9	2631.1	2177.7	1270.6	590.3
105°	3834.8	3716.1	3834.8	3953.6	3983.3	3530.1	2925.8	2623.7	2184.5	1306.3	647.5
107.5°	4407.0	4435.7	4407.0	4378.2	4371.0	3738.9	2896.0	2474.5	2087.2	1312.8	732.1
110°	4625.1	4748.9	4625.1	4501.4	4470.4	3763.7	2821.4	2350.2	2001.1	1302.9	779.3



TEST NUMBER: P935177

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4644.6	4834.7	4644.6	4454.6	4407.1	3683.8	2719.4	2237.1	1925.9	1303.4	836.4
115°	4521.4	4784.9	4521.4	4257.9	4192.1	3495.3	2566.2	2101.7	1839.5	1315.3	922.2
117.5°	4260.3	4552.5	4260.3	3968.1	3895.1	3266.2	2427.7	2008.4	1785.5	1339.8	1005.5
120°	4049.8	4333.8	4049.8	3766.0	3695.0	3120.4	2354.2	1971.2	1767.4	1359.7	1054.0
122.5°	3844.9	4124.9	3844.9	3564.9	3494.9	2977.4	2287.5	1942.6	1757.8	1388.3	1111.1
125°	3552.5	3810.5	3552.5	3294.6	3230.1	2790.6	2204.5	1911.5	1750.0	1426.8	1184.4
127.5°	3289.7	3507.3	3289.7	3072.0	3017.6	2640.2	2137.0	1885.4	1745.4	1465.3	1255.3
130°	3134.7	3335.8	3134.7	2933.7	2883.4	2547.5	2099.5	1875.5	1748.2	1493.5	1302.5
132.5°	2994.2	3174.3	2994.2	2814.1	2769.1	2468.3	2067.2	1866.7	1749.9	1516.2	1341.0
135°	2801.4	2956.7	2801.4	2646.3	2607.4	2355.5	2019.8	1851.9	1748.3	1541.1	1385.7
137.5°	2647.0	2774.1	2647.0	2520.0	2488.2	2275.3	1991.3	1849.4	1759.0	1578.4	1442.9
140°	2541.0	2659.7	2541.0	2422.2	2392.5	2208.5	1963.2	1840.6	1760.8	1601.2	1481.5
142.5°	2453.0	2555.2	2453.0	2350.9	2325.4	2163.8	1948.4	1840.6	1767.1	1620.2	1510.0
145°	2321.4	2398.7	2321.4	2244.0	2224.7	2092.5	1916.3	1828.3	1767.2	1645.1	1553.6
147.5°	2220.3	2284.3	2220.3	2156.2	2140.2	2036.2	1897.6	1828.3	1779.4	1681.5	1608.2
150°	2156.6	2208.5	2156.6	2104.6	2091.7	2003.9	1886.8	1828.3	1785.7	1700.7	1636.8
152.5°	2102.2	2141.4	2102.2	2062.9	2053.2	1978.2	1878.3	1828.3	1789.8	1713.0	1655.5
155°	2039.6	2065.6	2039.6	2013.6	2007.1	1947.5	1868.0	1828.3	1799.0	1740.4	1696.5
157.5°	1990.2	2008.4	1990.2	1972.0	1967.4	1921.0	1859.1	1828.3	1808.1	1767.8	1737.5
160°	1960.6	1971.2	1960.6	1950.1	1947.5	1907.7	1854.8	1828.3	1812.2	1780.2	1756.1
162.5°	1941.3	1951.3	1941.3	1931.3	1928.9	1895.3	1850.6	1828.3	1816.6	1793.4	1776.0
165°	1913.4	1923.9	1913.4	1902.9	1900.3	1876.3	1844.3	1828.3	1823.0	1812.4	1804.6
167.5°	1893.4	1897.8	1893.4	1889.0	1887.9	1872.2	1851.2	1840.6	1836.2	1827.4	1820.8
170°	1887.9	1887.9	1887.9	1887.9	1887.9	1872.2	1851.2	1840.6	1840.3	1839.8	1839.4
172.5°	1873.1	1869.2	1873.1	1877.0	1878.0	1865.5	1848.9	1840.6	1840.6	1840.6	1840.6
175°	1864.2	1864.2	1864.2	1864.2	1864.2	1856.3	1845.9	1840.6	1843.1	1848.1	1851.9
177.5°	1856.2	1851.9	1856.2	1860.6	1861.7	1855.5	1847.3	1843.1	1845.1	1849.0	1851.9
180°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9



TEST NUMBER: P935177

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3203.2	3185.3	3185.3	3155.4	3143.5	3134.5	3119.6	3074.8	3062.8	3050.8	3068.8
5°	3230.1	3197.3	3173.4	3119.6	3074.8	3056.8	3000.1	2892.5	2820.8	2767.0	2737.1
7.5°	3236.1	3194.3	3149.5	3065.8	2958.2	2910.4	2737.1	2539.8	2486.0	2438.2	2408.3
10°	3230.1	3182.3	3119.6	2994.1	2740.1	2656.4	2483.0	2354.5	2321.7	2312.7	2321.7
12.5°	3209.2	3164.4	3077.7	2868.6	2512.9	2456.1	2354.5	2279.8	2273.9	2288.8	2369.5
15°	3173.4	3131.5	3029.9	2701.3	2387.4	2345.6	2273.9	2247.0	2279.8	2384.4	2626.5
17.5°	3137.5	3089.7	2964.2	2536.8	2291.8	2261.9	2211.1	2264.9	2450.2	2590.6	2671.4
20°	3089.7	3032.9	2889.5	2417.3	2223.1	2196.2	2172.3	2414.3	2554.7	2605.5	2650.5
22.5°	3032.9	2973.2	2787.9	2333.6	2151.4	2130.4	2145.4	2498.0	2554.7	2590.6	2629.4
25°	2958.2	2907.4	2668.4	2267.9	2094.6	2070.7	2127.5	2489.0	2521.9	2530.8	2608.5
27.5°	2889.5	2823.8	2542.8	2208.1	2025.9	2016.9	2142.4	2450.2	2474.1	2483.0	2566.7
30°	2805.8	2707.2	2402.4	2145.4	1954.2	1951.2	2145.4	2402.4	2396.4	2420.3	2503.9
32.5°	2719.2	2533.8	2244.0	2067.7	1885.4	1882.4	2124.5	2330.6	2324.7	2357.5	2420.3
35°	2638.5	2399.4	2028.9	1978.1	1798.8	1801.8	2073.7	2247.0	2250.0	2279.8	2318.7
37.5°	2554.7	2282.8	1792.8	1879.5	1715.1	1715.1	2004.9	2169.3	2163.3	2172.3	2226.1
40°	2456.1	2100.6	1583.6	1751.0	1637.4	1628.5	1921.3	2085.6	2064.7	2061.7	2136.4
42.5°	2351.6	1900.4	1428.3	1580.7	1547.8	1535.8	1819.7	1984.0	1945.2	1954.2	2049.8
45°	2238.0	1846.6	1308.7	1335.6	1455.2	1446.2	1709.1	1867.5	1840.6	1864.5	1963.1
47.5°	2124.5	1739.0	1269.9	1108.5	1356.6	1353.6	1586.6	1754.0	1739.0	1762.9	1867.5
50°	1969.1	1619.5	1266.9	950.2	1246.0	1257.9	1440.2	1643.4	1643.4	1664.3	1774.9
52.5°	1768.9	1473.1	1150.4	860.5	1117.5	1153.4	1311.7	1547.8	1553.8	1574.7	1673.3
55°	1586.6	1320.7	1066.7	791.8	965.1	1042.8	1186.2	1449.2	1461.1	1482.0	1571.7
57.5°	1419.3	1099.6	1048.8	711.1	824.7	899.4	1075.7	1353.6	1359.5	1377.5	1464.1
60°	1240.0	794.8	962.1	624.5	702.2	759.0	974.1	1240.0	1260.9	1272.9	1347.6
62.5°	1036.8	576.7	872.5	564.7	642.4	654.4	890.4	1132.5	1159.3	1168.3	1213.1
65°	738.0	484.1	741.0	513.9	579.7	582.7	800.8	1021.9	1045.8	1060.7	1093.6
67.5°	499.0	394.4	564.7	466.1	531.9	534.9	714.1	893.4	926.3	938.2	959.1
70°	346.6	262.9	418.3	415.3	478.1	484.1	621.5	776.9	806.8	815.7	827.7
72.5°	254.0	212.1	346.6	373.5	421.3	427.3	525.9	645.4	675.3	684.3	690.2
75°	194.2	224.1	280.9	325.7	358.6	361.5	430.3	525.9	546.8	552.8	555.8
77.5°	155.4	209.2	206.2	262.9	292.8	286.8	337.6	406.4	424.3	424.3	424.3
80°	116.5	164.3	155.4	188.2	215.1	209.2	242.0	289.8	295.8	301.8	298.8
82.5°	86.7	104.6	104.6	119.5	143.4	137.4	161.4	188.2	188.2	188.2	194.2
85°	53.8	59.8	47.8	62.7	80.7	77.7	89.6	101.6	104.6	104.6	98.6
87.5°	32.9	26.9	14.9	23.9	35.9	35.9	41.8	44.8	41.8	41.8	41.8
90°	32.3	22.4	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9
92.5°	218.7	134.2	49.7	134.2	218.7	239.8	337.2	467.0	532.0	466.2	334.8
95°	428.7	274.0	119.3	274.0	428.7	467.3	829.8	1313.1	1554.8	1387.4	1052.7
97.5°	479.2	342.7	206.3	342.7	479.2	513.3	1117.7	1923.6	2326.6	2220.8	2009.2
100°	520.8	397.1	273.4	397.1	520.8	551.8	1222.5	2116.8	2564.0	2571.8	2587.2
102.5°	561.4	446.0	330.6	446.0	561.4	590.3	1270.6	2177.7	2631.1	2765.9	3035.4
105°	623.1	525.3	427.6	525.3	623.1	647.5	1306.3	2184.5	2623.7	2925.8	3530.1
107.5°	709.3	618.1	527.0	618.1	709.3	732.1	1312.8	2087.2	2474.5	2896.0	3738.9
110°	758.7	676.4	594.1	676.4	758.7	779.3	1302.9	2001.1	2350.2	2821.4	3763.7



TEST NUMBER: P935177

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	816.8	738.4	659.9	738.4	816.8	836.4	1303.4	1925.9	2237.1	2719.4	3683.8
115°	904.1	831.8	759.4	831.8	904.1	922.2	1315.3	1839.5	2101.7	2566.2	3495.3
117.5°	989.0	923.3	857.6	923.3	989.0	1005.5	1339.8	1785.5	2008.4	2427.7	3266.2
120°	1038.5	976.6	914.7	976.6	1038.5	1054.0	1359.7	1767.4	1971.2	2354.2	3120.4
122.5°	1095.5	1033.2	970.7	1033.2	1095.5	1111.1	1388.3	1757.8	1942.6	2287.5	2977.4
125°	1170.2	1113.3	1056.5	1113.3	1170.2	1184.4	1426.8	1750.0	1911.5	2204.5	2790.6
127.5°	1240.9	1183.4	1126.0	1183.4	1240.9	1255.3	1465.3	1745.4	1885.4	2137.0	2640.2
130°	1287.0	1225.2	1163.3	1225.2	1287.0	1302.5	1493.5	1748.2	1875.5	2099.5	2547.5
132.5°	1325.6	1263.7	1201.9	1263.7	1325.6	1341.0	1516.2	1749.9	1866.7	2067.2	2468.3
135°	1371.7	1315.3	1259.0	1315.3	1371.7	1385.7	1541.1	1748.3	1851.9	2019.8	2355.5
137.5°	1429.0	1373.2	1317.4	1373.2	1429.0	1442.9	1578.4	1759.0	1849.4	1991.3	2275.3
140°	1468.6	1417.3	1365.9	1417.3	1468.6	1481.5	1601.2	1760.8	1840.6	1963.2	2208.5
142.5°	1498.2	1450.7	1403.2	1450.7	1498.2	1510.0	1620.2	1767.1	1840.6	1948.4	2163.8
145°	1543.2	1501.8	1460.3	1501.8	1543.2	1553.6	1645.1	1767.2	1828.3	1916.3	2092.5
147.5°	1598.2	1557.8	1517.5	1557.8	1598.2	1608.2	1681.5	1779.4	1828.3	1897.6	2036.2
150°	1627.7	1591.2	1554.8	1591.2	1627.7	1636.8	1700.7	1785.7	1828.3	1886.8	2003.9
152.5°	1648.6	1620.9	1593.3	1620.9	1648.6	1655.5	1713.0	1789.8	1828.3	1878.3	1978.2
155°	1691.4	1670.9	1650.5	1670.9	1691.4	1696.5	1740.4	1799.0	1828.3	1868.0	1947.5
157.5°	1732.5	1712.6	1692.7	1712.6	1732.5	1737.5	1767.8	1808.1	1828.3	1859.1	1921.0
160°	1752.3	1736.8	1721.3	1736.8	1752.3	1756.1	1780.2	1812.2	1828.3	1854.8	1907.7
162.5°	1773.1	1761.4	1749.9	1761.4	1773.1	1776.0	1793.4	1816.6	1828.3	1850.6	1895.3
165°	1802.0	1791.4	1780.9	1791.4	1802.0	1804.6	1812.4	1823.0	1828.3	1844.3	1876.3
167.5°	1819.5	1814.5	1809.5	1814.5	1819.5	1820.8	1827.4	1836.2	1840.6	1851.2	1872.2
170°	1838.2	1833.2	1828.3	1833.2	1838.2	1839.4	1839.8	1840.3	1840.6	1851.2	1872.2
172.5°	1840.3	1839.2	1838.1	1839.2	1840.3	1840.6	1840.6	1840.6	1840.6	1848.9	1865.5
175°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1848.1	1843.1	1840.6	1845.9	1856.3
177.5°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1849.0	1845.1	1843.1	1847.3	1855.5
180°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9



TEST NUMBER: P935177

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3047.9	3038.9	3050.8	3018.0	3050.8	3038.9	3047.9	3068.8	3050.8	3062.8	3074.8
5°	2674.4	2659.4	2611.5	2572.7	2611.5	2659.4	2674.4	2737.1	2767.0	2820.8	2892.5
7.5°	2390.4	2378.4	2366.5	2342.6	2366.5	2378.4	2390.4	2408.3	2438.2	2486.0	2539.8
10°	2327.7	2330.6	2348.6	2345.6	2348.6	2330.6	2327.7	2321.7	2312.7	2321.7	2354.5
12.5°	2489.0	2515.9	2614.5	2608.5	2614.5	2515.9	2489.0	2369.5	2288.8	2273.9	2279.8
15°	2674.4	2683.3	2704.2	2707.2	2704.2	2683.3	2674.4	2626.5	2384.4	2279.8	2247.0
17.5°	2692.3	2695.3	2710.2	2710.2	2710.2	2695.3	2692.3	2671.4	2590.6	2450.2	2264.9
20°	2677.3	2683.3	2713.2	2719.2	2713.2	2683.3	2677.3	2650.5	2605.5	2554.7	2414.3
22.5°	2671.4	2683.3	2707.2	2704.2	2707.2	2683.3	2671.4	2629.4	2590.6	2554.7	2498.0
25°	2641.5	2641.5	2644.5	2647.5	2644.5	2641.5	2641.5	2608.5	2530.8	2521.9	2489.0
27.5°	2578.6	2584.6	2602.5	2599.6	2602.5	2584.6	2578.6	2566.7	2483.0	2474.1	2450.2
30°	2521.9	2515.9	2501.0	2489.0	2501.0	2515.9	2521.9	2503.9	2420.3	2396.4	2402.4
32.5°	2426.3	2411.3	2396.4	2387.4	2396.4	2411.3	2426.3	2420.3	2357.5	2324.7	2330.6
35°	2312.7	2315.7	2312.7	2303.7	2312.7	2315.7	2312.7	2318.7	2279.8	2250.0	2247.0
37.5°	2232.0	2238.0	2235.0	2223.1	2235.0	2238.0	2232.0	2226.1	2172.3	2163.3	2169.3
40°	2148.4	2151.4	2148.4	2139.4	2148.4	2151.4	2148.4	2136.4	2061.7	2064.7	2085.6
42.5°	2067.7	2064.7	2055.7	2049.8	2055.7	2064.7	2067.7	2049.8	1954.2	1945.2	1984.0
45°	1975.1	1978.1	1960.1	1951.2	1960.1	1978.1	1975.1	1963.1	1864.5	1840.6	1867.5
47.5°	1882.4	1882.4	1867.5	1858.5	1867.5	1882.4	1882.4	1867.5	1762.9	1739.0	1754.0
50°	1783.8	1780.8	1759.9	1756.9	1759.9	1780.8	1783.8	1774.9	1664.3	1643.4	1643.4
52.5°	1670.3	1670.3	1673.3	1679.3	1673.3	1670.3	1670.3	1673.3	1574.7	1553.8	1547.8
55°	1571.7	1574.7	1595.6	1601.6	1595.6	1574.7	1571.7	1571.7	1482.0	1461.1	1449.2
57.5°	1470.1	1470.1	1485.0	1485.0	1485.0	1470.1	1470.1	1464.1	1377.5	1359.5	1353.6
60°	1353.6	1359.5	1371.5	1368.5	1371.5	1359.5	1353.6	1347.6	1272.9	1260.9	1240.0
62.5°	1231.1	1237.0	1240.0	1234.0	1240.0	1237.0	1231.1	1213.1	1168.3	1159.3	1132.5
65°	1102.6	1108.5	1111.5	1105.6	1111.5	1108.5	1102.6	1093.6	1060.7	1045.8	1021.9
67.5°	971.1	968.1	965.1	977.1	965.1	968.1	971.1	959.1	938.2	926.3	893.4
70°	836.6	836.6	833.7	839.6	833.7	836.6	836.6	827.7	815.7	806.8	776.9
72.5°	693.2	690.2	702.2	693.2	702.2	690.2	693.2	690.2	684.3	675.3	645.4
75°	552.8	558.8	552.8	561.7	552.8	558.8	552.8	555.8	552.8	546.8	525.9
77.5°	421.3	427.3	421.3	421.3	421.3	427.3	421.3	424.3	424.3	424.3	406.4
80°	298.8	295.8	295.8	292.8	295.8	295.8	298.8	298.8	301.8	295.8	289.8
82.5°	191.2	188.2	188.2	194.2	188.2	188.2	191.2	194.2	188.2	188.2	188.2
85°	104.6	107.6	101.6	101.6	101.6	107.6	104.6	98.6	104.6	104.6	101.6
87.5°	38.8	35.9	35.9	35.9	35.9	35.9	38.8	41.8	41.8	41.8	44.8
90°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2
92.5°	236.2	226.8	189.1	151.6	189.1	226.8	236.2	334.8	466.2	532.0	467.0
95°	801.6	773.1	659.4	545.6	659.4	773.1	801.6	1052.7	1387.4	1554.8	1313.1
97.5°	1850.6	1796.5	1580.0	1363.4	1580.0	1796.5	1850.6	2009.2	2220.8	2326.6	1923.6
100°	2598.8	2534.3	2276.4	2018.4	2276.4	2534.3	2598.8	2587.2	2571.8	2564.0	2116.8
102.5°	3237.6	3182.3	2961.4	2740.5	2961.4	3182.3	3237.6	3035.4	2765.9	2631.1	2177.7
105°	3983.3	3953.6	3834.8	3716.1	3834.8	3953.6	3983.3	3530.1	2925.8	2623.7	2184.5
107.5°	4371.0	4378.2	4407.0	4435.7	4407.0	4378.2	4371.0	3738.9	2896.0	2474.5	2087.2
110°	4470.4	4501.4	4625.1	4748.9	4625.1	4501.4	4470.4	3763.7	2821.4	2350.2	2001.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4407.1	4454.6	4644.6	4834.7	4644.6	4454.6	4407.1	3683.8	2719.4	2237.1	1925.9
115°	4192.1	4257.9	4521.4	4784.9	4521.4	4257.9	4192.1	3495.3	2566.2	2101.7	1839.5
117.5°	3895.1	3968.1	4260.3	4552.5	4260.3	3968.1	3895.1	3266.2	2427.7	2008.4	1785.5
120°	3695.0	3766.0	4049.8	4333.8	4049.8	3766.0	3695.0	3120.4	2354.2	1971.2	1767.4
122.5°	3494.9	3564.9	3844.9	4124.9	3844.9	3564.9	3494.9	2977.4	2287.5	1942.6	1757.8
125°	3230.1	3294.6	3552.5	3810.5	3552.5	3294.6	3230.1	2790.6	2204.5	1911.5	1750.0
127.5°	3017.6	3072.0	3289.7	3507.3	3289.7	3072.0	3017.6	2640.2	2137.0	1885.4	1745.4
130°	2883.4	2933.7	3134.7	3335.8	3134.7	2933.7	2883.4	2547.5	2099.5	1875.5	1748.2
132.5°	2769.1	2814.1	2994.2	3174.3	2994.2	2814.1	2769.1	2468.3	2067.2	1866.7	1749.9
135°	2607.4	2646.3	2801.4	2956.7	2801.4	2646.3	2607.4	2355.5	2019.8	1851.9	1748.3
137.5°	2488.2	2520.0	2647.0	2774.1	2647.0	2520.0	2488.2	2275.3	1991.3	1849.4	1759.0
140°	2392.5	2422.2	2541.0	2659.7	2541.0	2422.2	2392.5	2208.5	1963.2	1840.6	1760.8
142.5°	2325.4	2350.9	2453.0	2555.2	2453.0	2350.9	2325.4	2163.8	1948.4	1840.6	1767.1
145°	2224.7	2244.0	2321.4	2398.7	2321.4	2244.0	2224.7	2092.5	1916.3	1828.3	1767.2
147.5°	2140.2	2156.2	2220.3	2284.3	2220.3	2156.2	2140.2	2036.2	1897.6	1828.3	1779.4
150°	2091.7	2104.6	2156.6	2208.5	2156.6	2104.6	2091.7	2003.9	1886.8	1828.3	1785.7
152.5°	2053.2	2062.9	2102.2	2141.4	2102.2	2062.9	2053.2	1978.2	1878.3	1828.3	1789.8
155°	2007.1	2013.6	2039.6	2065.6	2039.6	2013.6	2007.1	1947.5	1868.0	1828.3	1799.0
157.5°	1967.4	1972.0	1990.2	2008.4	1990.2	1972.0	1967.4	1921.0	1859.1	1828.3	1808.1
160°	1947.5	1950.1	1960.6	1971.2	1960.6	1950.1	1947.5	1907.7	1854.8	1828.3	1812.2
162.5°	1928.9	1931.3	1941.3	1951.3	1941.3	1931.3	1928.9	1895.3	1850.6	1828.3	1816.6
165°	1900.3	1902.9	1913.4	1923.9	1913.4	1902.9	1900.3	1876.3	1844.3	1828.3	1823.0
167.5°	1887.9	1889.0	1893.4	1897.8	1893.4	1889.0	1887.9	1872.2	1851.2	1840.6	1836.2
170°	1887.9	1887.9	1887.9	1887.9	1887.9	1887.9	1887.9	1872.2	1851.2	1840.6	1840.3
172.5°	1878.0	1877.0	1873.1	1869.2	1873.1	1877.0	1878.0	1865.5	1848.9	1840.6	1840.6
175°	1864.2	1864.2	1864.2	1864.2	1864.2	1864.2	1864.2	1856.3	1845.9	1840.6	1843.1
177.5°	1861.7	1860.6	1856.2	1851.9	1856.2	1860.6	1861.7	1855.5	1847.3	1843.1	1845.1
180°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3119.6	3134.5	3143.5	3155.4	3185.3
5°	3000.1	3056.8	3074.8	3119.6	3173.4
7.5°	2737.1	2910.4	2958.2	3065.8	3149.5
10°	2483.0	2656.4	2740.1	2994.1	3119.6
12.5°	2354.5	2456.1	2512.9	2868.6	3077.7
15°	2273.9	2345.6	2387.4	2701.3	3029.9
17.5°	2211.1	2261.9	2291.8	2536.8	2964.2
20°	2172.3	2196.2	2223.1	2417.3	2889.5
22.5°	2145.4	2130.4	2151.4	2333.6	2787.9
25°	2127.5	2070.7	2094.6	2267.9	2668.4
27.5°	2142.4	2016.9	2025.9	2208.1	2542.8
30°	2145.4	1951.2	1954.2	2145.4	2402.4
32.5°	2124.5	1882.4	1885.4	2067.7	2244.0
35°	2073.7	1801.8	1798.8	1978.1	2028.9
37.5°	2004.9	1715.1	1715.1	1879.5	1792.8
40°	1921.3	1628.5	1637.4	1751.0	1583.6
42.5°	1819.7	1535.8	1547.8	1580.7	1428.3
45°	1709.1	1446.2	1455.2	1335.6	1308.7
47.5°	1586.6	1353.6	1356.6	1108.5	1269.9
50°	1440.2	1257.9	1246.0	950.2	1266.9
52.5°	1311.7	1153.4	1117.5	860.5	1150.4
55°	1186.2	1042.8	965.1	791.8	1066.7
57.5°	1075.7	899.4	824.7	711.1	1048.8
60°	974.1	759.0	702.2	624.5	962.1
62.5°	890.4	654.4	642.4	564.7	872.5
65°	800.8	582.7	579.7	513.9	741.0
67.5°	714.1	534.9	531.9	466.1	564.7
70°	621.5	484.1	478.1	415.3	418.3
72.5°	525.9	427.3	421.3	373.5	346.6
75°	430.3	361.5	358.6	325.7	280.9
77.5°	337.6	286.8	292.8	262.9	206.2
80°	242.0	209.2	215.1	188.2	155.4
82.5°	161.4	137.4	143.4	119.5	104.6
85°	89.6	77.7	80.7	62.7	47.8
87.5°	41.8	35.9	35.9	23.9	14.9
90°	54.7	34.8	32.3	22.4	12.4
92.5°	337.2	239.8	218.7	134.2	49.7
95°	829.8	467.3	428.7	274.0	119.3
97.5°	1117.7	513.3	479.2	342.7	206.3
100°	1222.5	551.8	520.8	397.1	273.4
102.5°	1270.6	590.3	561.4	446.0	330.6
105°	1306.3	647.5	623.1	525.3	427.6
107.5°	1312.8	732.1	709.3	618.1	527.0
110°	1302.9	779.3	758.7	676.4	594.1



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CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1303.4	836.4	816.8	738.4	659.9
115°	1315.3	922.2	904.1	831.8	759.4
117.5°	1339.8	1005.5	989.0	923.3	857.6
120°	1359.7	1054.0	1038.5	976.6	914.7
122.5°	1388.3	1111.1	1095.5	1033.2	970.7
125°	1426.8	1184.4	1170.2	1113.3	1056.5
127.5°	1465.3	1255.3	1240.9	1183.4	1126.0
130°	1493.5	1302.5	1287.0	1225.2	1163.3
132.5°	1516.2	1341.0	1325.6	1263.7	1201.9
135°	1541.1	1385.7	1371.7	1315.3	1259.0
137.5°	1578.4	1442.9	1429.0	1373.2	1317.4
140°	1601.2	1481.5	1468.6	1417.3	1365.9
142.5°	1620.2	1510.0	1498.2	1450.7	1403.2
145°	1645.1	1553.6	1543.2	1501.8	1460.3
147.5°	1681.5	1608.2	1598.2	1557.8	1517.5
150°	1700.7	1636.8	1627.7	1591.2	1554.8
152.5°	1713.0	1655.5	1648.6	1620.9	1593.3
155°	1740.4	1696.5	1691.4	1670.9	1650.5
157.5°	1767.8	1737.5	1732.5	1712.6	1692.7
160°	1780.2	1756.1	1752.3	1736.8	1721.3
162.5°	1793.4	1776.0	1773.1	1761.4	1749.9
165°	1812.4	1804.6	1802.0	1791.4	1780.9
167.5°	1827.4	1820.8	1819.5	1814.5	1809.5
170°	1839.8	1839.4	1838.2	1833.2	1828.3
172.5°	1840.6	1840.6	1840.3	1839.2	1838.1
175°	1848.1	1851.9	1851.9	1851.9	1851.9
177.5°	1849.0	1851.9	1851.9	1851.9	1851.9
180°	1851.9	1851.9	1851.9	1851.9	1851.9



TEST NUMBER: P935177
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.79	12.57	12.83	13.62	15.02	14.64	15.43	15.68	16.47	17.87
	3H	12.26	12.96	13.31	14.01	15.43	15.99	16.69	17.03	17.74	19.16
	4H	12.45	13.11	13.51	14.17	15.59	16.43	17.10	17.49	18.15	19.58
	6H	12.56	13.18	13.63	14.23	15.67	16.72	17.33	17.79	18.39	19.83
	8H	12.56	13.14	13.63	14.22	15.65	16.80	17.38	17.87	18.45	19.88
	12H	12.53	13.08	13.61	14.15	15.61	16.83	17.39	17.91	18.45	19.91
4H	2H	12.82	13.48	13.88	14.54	15.96	15.04	15.71	16.10	16.76	18.18
	3H	13.84	14.39	14.91	15.47	16.91	16.55	17.10	17.62	18.18	19.62
	4H	14.11	14.62	15.19	15.69	17.15	17.08	17.58	18.15	18.65	20.11
	6H	14.23	14.67	15.32	15.76	17.22	17.44	17.88	18.53	18.97	20.43
	8H	14.24	14.64	15.32	15.73	17.20	17.55	17.96	18.64	19.04	20.51
	12H	14.20	14.57	15.30	15.67	17.14	17.61	17.97	18.71	19.07	20.55
8H	4H	14.56	14.97	15.65	16.05	17.53	17.19	17.60	18.28	18.69	20.16
	6H	14.82	15.16	15.93	16.28	17.75	17.63	17.97	18.74	19.10	20.56
	8H	14.86	15.16	15.98	16.27	17.75	17.79	18.08	18.90	19.19	20.68
	12H	14.84	15.10	15.96	16.21	17.73	17.89	18.14	19.00	19.25	20.78
12H	4H	14.57	14.93	15.67	16.03	17.51	17.15	17.52	18.26	18.62	20.10
	6H	14.88	15.18	16.00	16.29	17.77	17.63	17.92	18.74	19.03	20.52
	8H	14.94	15.20	16.06	16.31	17.84	17.79	18.05	18.91	19.15	20.68