

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: P935277

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935277
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

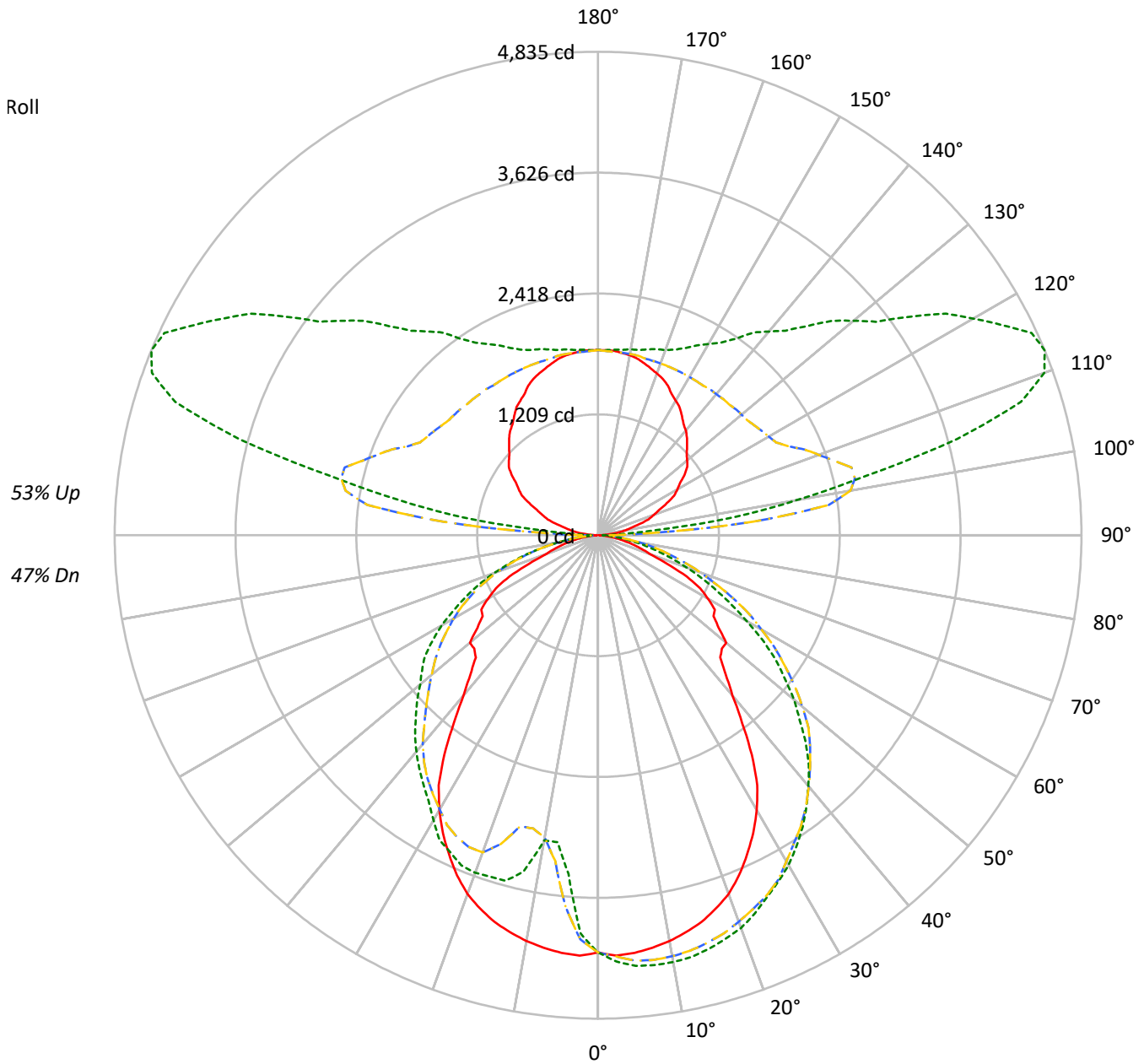
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22831.3 lumens
Efficiency: N/A
Efficacy: 131.2 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): 174
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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CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12907	12907	12907	12907
5°	13008	13029	13008	10245
10°	12926	12834	12926	9176
15°	12790	12556	12790	10485
20°	12528	12227	12528	10507
25°	11985	11747	11985	10284
30°	11282	11348	11282	9795
35°	10063	10843	10063	9258
40°	8390	10249	8390	8852
45°	7501	9554	7501	8385
50°	7976	8725	7976	7917
55°	7510	7831	7510	7646
60°	7752	6651	7752	7003
65°	7040	5498	7040	6146
70°	4886	4382	4886	5151
75°	4301	3239	4301	3879
80°	3492	2141	3492	2331
85°	2045	1134	2045	965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11489 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	1.6
10°-20°	1069.5	4.7
20°-30°	1653.2	7.2
30°-40°	1973.6	8.6
40°-50°	1985.2	8.7
50°-60°	1727.3	7.6
60°-70°	1224.7	5.4
70°-80°	647.9	2.8
80°-90°	168.4	0.7
90°-100°	902.7	4.0
100°-110°	2373.2	10.4
110°-120°	2460.7	10.8
120°-130°	1973.8	8.6
130°-140°	1548.7	6.8
140°-150°	1188.7	5.2
150°-160°	856.1	3.7
160°-170°	523.8	2.3
170°-180°	177.0	0.8
0°-30°	3099.4	13.6
0°-40°	5073.0	22.2
0°-60°	8785.5	38.5
0°-90°	10826.6	47.4
90°-120°	5736.6	25.1
90°-150°	10447.9	45.8
90°-180°	12005.0	52.6
0°-180°	22831.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4173	4173	4173	4173	4173	
5°	4193	4323	4193	3399	4193	398
15°	4003	4283	4003	3577	4003	1126
25°	3525	3995	3525	3498	3525	1619
35°	2681	3565	2681	3044	2681	1658
45°	1729	2937	1729	2578	1729	1385
55°	1409	2167	1409	2116	1409	1295
65°	979	1307	979	1461	979	936
75°	371	620	371	742	371	390
85°	63	158	63	134	63	85
90°	12	47	12	47	12	13
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°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4208.4	4208.4	4232.1	4240.0	4240.0	4228.1	4216.3	4228.1	4263.7	4275.5	4271.5
5°	4192.7	4224.2	4267.7	4275.5	4283.4	4279.5	4271.5	4279.5	4319.0	4326.8	4330.8
7.5°	4161.0	4220.3	4275.5	4287.4	4299.2	4287.4	4283.4	4291.4	4330.8	4338.7	4338.7
10°	4121.5	4204.5	4267.7	4275.5	4287.4	4275.5	4275.5	4291.4	4330.8	4338.7	4342.7
12.5°	4066.3	4180.8	4240.0	4247.9	4263.7	4259.7	4255.8	4271.5	4311.1	4319.0	4319.0
15°	4003.1	4137.4	4192.7	4200.5	4228.1	4220.3	4220.3	4236.1	4279.5	4291.4	4287.4
17.5°	3916.3	4082.1	4145.3	4157.1	4176.8	4172.8	4176.8	4192.7	4232.1	4240.0	4244.0
20°	3817.6	4007.1	4082.1	4094.0	4113.7	4113.7	4113.7	4133.4	4172.8	4188.7	4188.7
22.5°	3683.3	3928.1	4007.1	4015.0	4038.7	4038.7	4046.5	4074.1	4109.7	4113.7	4113.7
25°	3525.4	3841.3	3908.4	3932.1	3955.7	3967.6	3979.4	3995.3	4007.1	4003.1	4007.1
27.5°	3359.6	3730.7	3817.6	3833.4	3865.0	3876.8	3892.6	3896.6	3900.4	3912.3	3904.4
30°	3174.1	3576.7	3707.0	3722.8	3774.1	3782.0	3766.3	3774.1	3793.9	3801.8	3809.7
32.5°	2964.8	3347.8	3592.6	3628.0	3675.4	3651.7	3647.8	3659.7	3691.3	3691.3	3699.1
35°	2680.6	3170.2	3486.0	3517.6	3553.0	3525.4	3541.2	3545.2	3564.9	3576.7	3572.9
37.5°	2368.7	3016.2	3375.4	3399.1	3426.7	3391.2	3414.9	3426.7	3442.6	3434.6	3434.6
40°	2092.4	2775.4	3245.2	3260.9	3284.6	3257.0	3280.6	3288.6	3296.5	3288.6	3284.6
42.5°	1887.1	2510.8	3106.9	3126.7	3110.9	3130.6	3138.5	3154.3	3142.5	3126.7	3126.7
45°	1729.2	2439.8	2956.9	2980.6	2956.9	2988.5	3000.4	3000.4	2964.8	2956.9	2953.0
47.5°	1677.9	2297.7	2806.9	2806.9	2795.1	2834.5	2854.3	2826.6	2791.1	2779.3	2779.3
50°	1673.9	2139.7	2601.7	2585.8	2641.1	2688.5	2668.8	2641.1	2613.5	2570.1	2570.1
52.5°	1519.9	1946.3	2337.1	2396.4	2483.2	2510.8	2479.2	2451.7	2404.2	2384.5	2368.7
55°	1409.3	1745.0	2096.3	2214.7	2305.5	2341.1	2281.8	2254.2	2183.1	2171.3	2163.4
57.5°	1385.7	1452.8	1875.3	2025.3	2135.8	2131.8	2096.3	2045.0	1985.7	1974.0	1970.0
60°	1271.2	1050.1	1638.3	1816.0	1930.5	1918.7	1887.1	1839.7	1784.4	1776.6	1768.6
62.5°	1152.8	761.9	1369.9	1571.3	1733.1	1729.2	1701.6	1630.5	1591.0	1571.3	1555.5
65°	979.1	639.5	975.1	1306.8	1539.6	1547.6	1488.3	1437.0	1393.6	1369.9	1365.9
67.5°	746.1	521.1	659.3	1089.6	1354.2	1346.2	1271.2	1247.5	1192.2	1180.4	1156.8
70°	552.7	347.4	458.0	884.3	1172.5	1152.8	1093.5	1065.9	1014.6	986.9	971.2
72.5°	458.0	280.3	335.6	686.9	986.9	963.2	911.9	880.4	836.9	813.2	797.5
75°	371.1	296.1	256.6	509.3	801.4	785.6	738.2	706.7	671.1	639.5	643.5
77.5°	272.4	276.4	205.3	375.1	635.6	611.9	584.3	544.8	529.0	497.4	497.4
80°	205.3	217.1	154.0	256.6	458.0	458.0	434.3	406.7	379.0	363.2	363.2
82.5°	138.1	138.1	114.4	161.8	311.8	300.0	284.3	276.4	260.6	252.7	252.7
85°	63.1	79.0	71.0	98.7	169.7	177.7	177.7	169.7	165.8	157.9	161.8
87.5°	19.7	35.6	43.4	55.3	86.9	90.8	94.7	94.7	94.7	98.7	98.7
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°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4279.5	4267.7	4279.5	4271.5	4275.5	4263.7	4228.1	4216.3	4228.1	4240.0	4240.0
5°	4330.8	4322.9	4330.8	4330.8	4326.8	4319.0	4279.5	4271.5	4279.5	4283.4	4275.5
7.5°	4346.5	4334.8	4346.5	4338.7	4338.7	4330.8	4291.4	4283.4	4287.4	4299.2	4287.4
10°	4346.5	4334.8	4346.5	4342.7	4338.7	4330.8	4291.4	4275.5	4275.5	4287.4	4275.5
12.5°	4326.8	4319.0	4326.8	4319.0	4319.0	4311.1	4271.5	4255.8	4259.7	4263.7	4247.9
15°	4295.2	4283.4	4295.2	4287.4	4291.4	4279.5	4236.1	4220.3	4220.3	4228.1	4200.5
17.5°	4247.9	4232.1	4247.9	4244.0	4240.0	4232.1	4192.7	4176.8	4172.8	4176.8	4157.1
20°	4192.7	4180.8	4192.7	4188.7	4188.7	4172.8	4133.4	4113.7	4113.7	4113.7	4094.0
22.5°	4105.8	4094.0	4105.8	4113.7	4113.7	4109.7	4074.1	4046.5	4038.7	4038.7	4015.0
25°	4007.1	3995.3	4007.1	4007.1	4003.1	4007.1	3995.3	3979.4	3967.6	3955.7	3932.1
27.5°	3912.3	3904.4	3912.3	3904.4	3912.3	3900.4	3896.6	3892.6	3876.8	3865.0	3833.4
30°	3817.6	3809.7	3817.6	3809.7	3801.8	3793.9	3774.1	3766.3	3782.0	3774.1	3722.8
32.5°	3699.1	3691.3	3699.1	3699.1	3691.3	3691.3	3659.7	3647.8	3651.7	3675.4	3628.0
35°	3576.7	3564.9	3576.7	3572.9	3576.7	3564.9	3545.2	3541.2	3525.4	3553.0	3517.6
37.5°	3434.6	3422.8	3434.6	3434.6	3434.6	3442.6	3426.7	3414.9	3391.2	3426.7	3399.1
40°	3288.6	3272.8	3288.6	3284.6	3288.6	3296.5	3288.6	3280.6	3257.0	3284.6	3260.9
42.5°	3122.8	3118.8	3122.8	3126.7	3126.7	3142.5	3154.3	3138.5	3130.6	3110.9	3126.7
45°	2945.1	2937.2	2945.1	2953.0	2956.9	2964.8	3000.4	3000.4	2988.5	2956.9	2980.6
47.5°	2755.6	2735.9	2755.6	2779.3	2779.3	2791.1	2826.6	2854.3	2834.5	2795.1	2806.9
50°	2554.2	2558.2	2554.2	2570.1	2570.1	2613.5	2641.1	2668.8	2688.5	2641.1	2585.8
52.5°	2356.8	2353.0	2356.8	2368.7	2384.5	2404.2	2451.7	2479.2	2510.8	2483.2	2396.4
55°	2159.4	2167.4	2159.4	2163.4	2171.3	2183.1	2254.2	2281.8	2341.1	2305.5	2214.7
57.5°	1962.1	1950.3	1962.1	1970.0	1974.0	1985.7	2045.0	2096.3	2131.8	2135.8	2025.3
60°	1733.1	1717.3	1733.1	1768.6	1776.6	1784.4	1839.7	1887.1	1918.7	1930.5	1816.0
62.5°	1531.7	1504.2	1531.7	1555.5	1571.3	1591.0	1630.5	1701.6	1729.2	1733.1	1571.3
65°	1318.6	1306.8	1318.6	1365.9	1369.9	1393.6	1437.0	1488.3	1547.6	1539.6	1306.8
67.5°	1125.2	1125.2	1125.2	1156.8	1180.4	1192.2	1247.5	1271.2	1346.2	1354.2	1089.6
70°	947.5	943.5	947.5	971.2	986.9	1014.6	1065.9	1093.5	1152.8	1172.5	884.3
72.5°	777.8	773.8	777.8	797.5	813.2	836.9	880.4	911.9	963.2	986.9	686.9
75°	627.7	619.8	627.7	643.5	639.5	671.1	706.7	738.2	785.6	801.4	509.3
77.5°	481.7	481.7	481.7	497.4	497.4	529.0	544.8	584.3	611.9	635.6	375.1
80°	359.3	355.3	359.3	363.2	363.2	379.0	406.7	434.3	458.0	458.0	256.6
82.5°	252.7	244.7	252.7	252.7	252.7	260.6	276.4	284.3	300.0	311.8	161.8
85°	157.9	157.9	157.9	161.8	157.9	165.8	169.7	177.7	177.7	169.7	98.7
87.5°	102.7	98.7	102.7	98.7	98.7	94.7	94.7	94.7	90.8	86.9	55.3
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: P935277

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935277

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4232.1	4208.4	4208.4	4169.0	4153.1	4141.3	4121.5	4062.4	4046.5	4030.7	4054.4
5°	4267.7	4224.2	4192.7	4121.5	4062.4	4038.7	3963.7	3821.6	3726.7	3655.7	3616.3
7.5°	4275.5	4220.3	4161.0	4050.5	3908.4	3845.3	3616.3	3355.7	3284.6	3221.5	3181.9
10°	4267.7	4204.5	4121.5	3955.7	3620.2	3509.6	3280.6	3110.9	3067.5	3055.6	3067.5
12.5°	4240.0	4180.8	4066.3	3790.0	3320.2	3245.2	3110.9	3012.2	3004.3	3024.1	3130.6
15°	4192.7	4137.4	4003.1	3568.9	3154.3	3099.1	3004.3	2968.8	3012.2	3150.3	3470.2
17.5°	4145.3	4082.1	3916.3	3351.7	3028.0	2988.5	2921.4	2992.5	3237.2	3422.8	3529.4
20°	4082.1	4007.1	3817.6	3193.8	2937.2	2901.6	2870.1	3189.9	3375.4	3442.6	3501.7
22.5°	4007.1	3928.1	3683.3	3083.3	2842.5	2814.8	2834.5	3300.4	3375.4	3422.8	3474.1
25°	3908.4	3841.3	3525.4	2996.5	2767.5	2735.9	2810.9	3288.6	3332.0	3343.9	3446.5
27.5°	3817.6	3730.7	3359.6	2917.5	2676.7	2664.8	2830.6	3237.2	3268.9	3280.6	3391.2
30°	3707.0	3576.7	3174.1	2834.5	2581.9	2577.9	2834.5	3174.1	3166.2	3197.8	3308.3
32.5°	3592.6	3347.8	2964.8	2731.9	2491.1	2487.1	2806.9	3079.3	3071.5	3114.9	3197.8
35°	3486.0	3170.2	2680.6	2613.5	2376.7	2380.5	2739.8	2968.8	2972.8	3012.2	3063.5
37.5°	3375.4	3016.2	2368.7	2483.2	2266.1	2266.1	2649.0	2866.2	2858.2	2870.1	2941.2
40°	3245.2	2775.4	2092.4	2313.4	2163.4	2151.6	2538.5	2755.6	2727.9	2724.1	2822.8
42.5°	3106.9	2510.8	1887.1	2088.4	2045.0	2029.2	2404.2	2621.4	2570.1	2581.9	2708.2
45°	2956.9	2439.8	1729.2	1764.7	1922.6	1910.7	2258.1	2467.4	2431.8	2463.5	2593.8
47.5°	2806.9	2297.7	1677.9	1464.6	1792.3	1788.4	2096.3	2317.4	2297.7	2329.2	2467.4
50°	2601.7	2139.7	1673.9	1255.5	1646.3	1662.0	1902.9	2171.3	2171.3	2199.0	2345.0
52.5°	2337.1	1946.3	1519.9	1136.9	1476.5	1523.9	1733.1	2045.0	2052.9	2080.5	2210.8
55°	2096.3	1745.0	1409.3	1046.2	1275.2	1377.8	1567.3	1914.7	1930.5	1958.1	2076.6
57.5°	1875.3	1452.8	1385.7	939.6	1089.6	1188.3	1421.2	1788.4	1796.3	1820.0	1934.4
60°	1638.3	1050.1	1271.2	825.1	927.8	1002.8	1287.0	1638.3	1666.0	1681.7	1780.4
62.5°	1369.9	761.9	1152.8	746.1	848.8	864.6	1176.5	1496.2	1531.7	1543.6	1602.9
65°	975.1	639.5	979.1	679.1	765.9	769.8	1058.1	1350.2	1381.8	1401.5	1444.9
67.5°	659.3	521.1	746.1	615.8	702.7	706.7	943.5	1180.4	1223.8	1239.6	1267.3
70°	458.0	347.4	552.7	548.8	631.7	639.5	821.2	1026.5	1065.9	1077.8	1093.5
72.5°	335.6	280.3	458.0	493.5	556.7	564.5	694.8	852.8	892.2	904.1	911.9
75°	256.6	296.1	371.1	430.3	473.7	477.7	568.5	694.8	722.5	730.4	734.3
77.5°	205.3	276.4	272.4	347.4	386.8	379.0	446.1	536.9	560.5	560.5	560.5
80°	154.0	217.1	205.3	248.7	284.3	276.4	319.8	383.0	390.8	398.7	394.8
82.5°	114.4	138.1	138.1	157.9	189.5	181.6	213.1	248.7	248.7	248.7	256.6
85°	71.0	79.0	63.1	82.9	106.6	102.7	118.4	134.3	138.1	138.1	130.3
87.5°	43.4	35.6	19.7	31.6	47.4	47.4	55.3	59.3	55.3	55.3	55.3
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: P935277

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935277
 CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4026.8	4015.0	4030.7	3987.3	4030.7	4015.0	4026.8	4054.4	4030.7	4046.5	4062.4
5°	3533.3	3513.6	3450.4	3399.1	3450.4	3513.6	3533.3	3616.3	3655.7	3726.7	3821.6
7.5°	3158.3	3142.5	3126.7	3095.1	3126.7	3142.5	3158.3	3181.9	3221.5	3284.6	3355.7
10°	3075.3	3079.3	3103.0	3099.1	3103.0	3079.3	3075.3	3067.5	3055.6	3067.5	3110.9
12.5°	3288.6	3324.1	3454.3	3446.5	3454.3	3324.1	3288.6	3130.6	3024.1	3004.3	3012.2
15°	3533.3	3545.2	3572.9	3576.7	3572.9	3545.2	3533.3	3470.2	3150.3	3012.2	2968.8
17.5°	3557.0	3561.0	3580.7	3580.7	3580.7	3561.0	3557.0	3529.4	3422.8	3237.2	2992.5
20°	3537.3	3545.2	3584.6	3592.6	3584.6	3545.2	3537.3	3501.7	3442.6	3375.4	3189.9
22.5°	3529.4	3545.2	3576.7	3572.9	3576.7	3545.2	3529.4	3474.1	3422.8	3375.4	3300.4
25°	3489.9	3489.9	3493.9	3497.8	3493.9	3489.9	3489.9	3446.5	3343.9	3332.0	3288.6
27.5°	3407.0	3414.9	3438.6	3434.6	3438.6	3414.9	3407.0	3391.2	3280.6	3268.9	3237.2
30°	3332.0	3324.1	3304.3	3288.6	3304.3	3324.1	3332.0	3308.3	3197.8	3166.2	3174.1
32.5°	3205.6	3185.9	3166.2	3154.3	3166.2	3185.9	3205.6	3197.8	3114.9	3071.5	3079.3
35°	3055.6	3059.6	3055.6	3043.8	3055.6	3059.6	3055.6	3063.5	3012.2	2972.8	2968.8
37.5°	2949.1	2956.9	2953.0	2937.2	2953.0	2956.9	2949.1	2941.2	2870.1	2858.2	2866.2
40°	2838.5	2842.5	2838.5	2826.6	2838.5	2842.5	2838.5	2822.8	2724.1	2727.9	2755.6
42.5°	2731.9	2727.9	2716.1	2708.2	2716.1	2727.9	2731.9	2708.2	2581.9	2570.1	2621.4
45°	2609.5	2613.5	2589.8	2577.9	2589.8	2613.5	2609.5	2593.8	2463.5	2431.8	2467.4
47.5°	2487.1	2487.1	2467.4	2455.5	2467.4	2487.1	2487.1	2467.4	2329.2	2297.7	2317.4
50°	2356.8	2353.0	2325.3	2321.4	2325.3	2353.0	2356.8	2345.0	2199.0	2171.3	2171.3
52.5°	2206.8	2206.8	2210.8	2218.7	2210.8	2206.8	2206.8	2210.8	2080.5	2052.9	2045.0
55°	2076.6	2080.5	2108.1	2116.0	2108.1	2080.5	2076.6	2076.6	1958.1	1930.5	1914.7
57.5°	1942.3	1942.3	1962.1	1962.1	1962.1	1942.3	1942.3	1934.4	1820.0	1796.3	1788.4
60°	1788.4	1796.3	1812.0	1808.1	1812.0	1796.3	1788.4	1780.4	1681.7	1666.0	1638.3
62.5°	1626.5	1634.4	1638.3	1630.5	1638.3	1634.4	1626.5	1602.9	1543.6	1531.7	1496.2
65°	1456.7	1464.6	1468.6	1460.7	1468.6	1464.6	1456.7	1444.9	1401.5	1381.8	1350.2
67.5°	1283.0	1279.1	1275.2	1290.9	1275.2	1279.1	1283.0	1267.3	1239.6	1223.8	1180.4
70°	1105.4	1105.4	1101.5	1109.3	1101.5	1105.4	1105.4	1093.5	1077.8	1065.9	1026.5
72.5°	915.9	911.9	927.8	915.9	927.8	911.9	915.9	911.9	904.1	892.2	852.8
75°	730.4	738.2	730.4	742.2	730.4	738.2	730.4	734.3	730.4	722.5	694.8
77.5°	556.7	564.5	556.7	556.7	556.7	564.5	556.7	560.5	560.5	560.5	536.9
80°	394.8	390.8	390.8	386.8	390.8	390.8	394.8	394.8	398.7	390.8	383.0
82.5°	252.7	248.7	248.7	256.6	248.7	248.7	252.7	256.6	248.7	248.7	248.7
85°	138.1	142.1	134.3	134.3	134.3	142.1	138.1	130.3	138.1	138.1	134.3
87.5°	51.3	47.4	47.4	47.4	47.4	47.4	51.3	55.3	55.3	55.3	59.3
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



TEST NUMBER: P935277

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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



TEST NUMBER: P935277

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4121.5	4141.3	4153.1	4169.0	4208.4
5°	3963.7	4038.7	4062.4	4121.5	4192.7
7.5°	3616.3	3845.3	3908.4	4050.5	4161.0
10°	3280.6	3509.6	3620.2	3955.7	4121.5
12.5°	3110.9	3245.2	3320.2	3790.0	4066.3
15°	3004.3	3099.1	3154.3	3568.9	4003.1
17.5°	2921.4	2988.5	3028.0	3351.7	3916.3
20°	2870.1	2901.6	2937.2	3193.8	3817.6
22.5°	2834.5	2814.8	2842.5	3083.3	3683.3
25°	2810.9	2735.9	2767.5	2996.5	3525.4
27.5°	2830.6	2664.8	2676.7	2917.5	3359.6
30°	2834.5	2577.9	2581.9	2834.5	3174.1
32.5°	2806.9	2487.1	2491.1	2731.9	2964.8
35°	2739.8	2380.5	2376.7	2613.5	2680.6
37.5°	2649.0	2266.1	2266.1	2483.2	2368.7
40°	2538.5	2151.6	2163.4	2313.4	2092.4
42.5°	2404.2	2029.2	2045.0	2088.4	1887.1
45°	2258.1	1910.7	1922.6	1764.7	1729.2
47.5°	2096.3	1788.4	1792.3	1464.6	1677.9
50°	1902.9	1662.0	1646.3	1255.5	1673.9
52.5°	1733.1	1523.9	1476.5	1136.9	1519.9
55°	1567.3	1377.8	1275.2	1046.2	1409.3
57.5°	1421.2	1188.3	1089.6	939.6	1385.7
60°	1287.0	1002.8	927.8	825.1	1271.2
62.5°	1176.5	864.6	848.8	746.1	1152.8
65°	1058.1	769.8	765.9	679.1	979.1
67.5°	943.5	706.7	702.7	615.8	746.1
70°	821.2	639.5	631.7	548.8	552.7
72.5°	694.8	564.5	556.7	493.5	458.0
75°	568.5	477.7	473.7	430.3	371.1
77.5°	446.1	379.0	386.8	347.4	272.4
80°	319.8	276.4	284.3	248.7	205.3
82.5°	213.1	181.6	189.5	157.9	138.1
85°	118.4	102.7	106.6	82.9	63.1
87.5°	55.3	47.4	47.4	31.6	19.7
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



TEST NUMBER: P935277

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935277
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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	13.46	14.29	14.43	15.29	16.59	16.31	17.14	17.29	18.14	19.44
	3H	13.93	14.68	14.92	15.68	17.01	17.66	18.41	18.65	19.41	20.74
	4H	14.12	14.83	15.12	15.84	17.17	18.10	18.82	19.11	19.82	21.16
	6H	14.24	14.89	15.25	15.90	17.25	18.39	19.05	19.41	20.06	21.41
	8H	14.24	14.86	15.26	15.89	17.23	18.47	19.09	19.49	20.12	21.47
	12H	14.21	14.80	15.23	15.82	17.19	18.51	19.10	19.54	20.12	21.49
4H	2H	14.49	15.20	15.50	16.21	17.54	16.71	17.42	17.72	18.43	19.76
	3H	15.52	16.11	16.53	17.14	18.49	18.22	18.81	19.24	19.85	21.20
	4H	15.79	16.33	16.82	17.36	18.73	18.75	19.30	19.78	20.32	21.70
	6H	15.91	16.38	16.95	17.43	18.80	19.12	19.59	20.16	20.64	22.01
	8H	15.92	16.35	16.96	17.40	18.78	19.23	19.67	20.27	20.71	22.09
	12H	15.88	16.28	16.94	17.33	18.73	19.29	19.69	20.35	20.74	22.13
8H	4H	16.25	16.68	17.28	17.72	19.11	18.88	19.31	19.91	20.35	21.74
	6H	16.51	16.87	17.57	17.95	19.33	19.32	19.68	20.38	20.76	22.14
	8H	16.55	16.86	17.62	17.93	19.33	19.47	19.79	20.54	20.86	22.26
	12H	16.53	16.81	17.60	17.87	19.32	19.57	19.85	20.65	20.91	22.36
12H	4H	16.25	16.64	17.31	17.70	19.09	18.84	19.23	19.89	20.29	21.68
	6H	16.57	16.88	17.64	17.95	19.35	19.31	19.63	20.38	20.70	22.10
	8H	16.63	16.91	17.71	17.97	19.42	19.48	19.76	20.55	20.82	22.26