

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: P936093

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936093
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

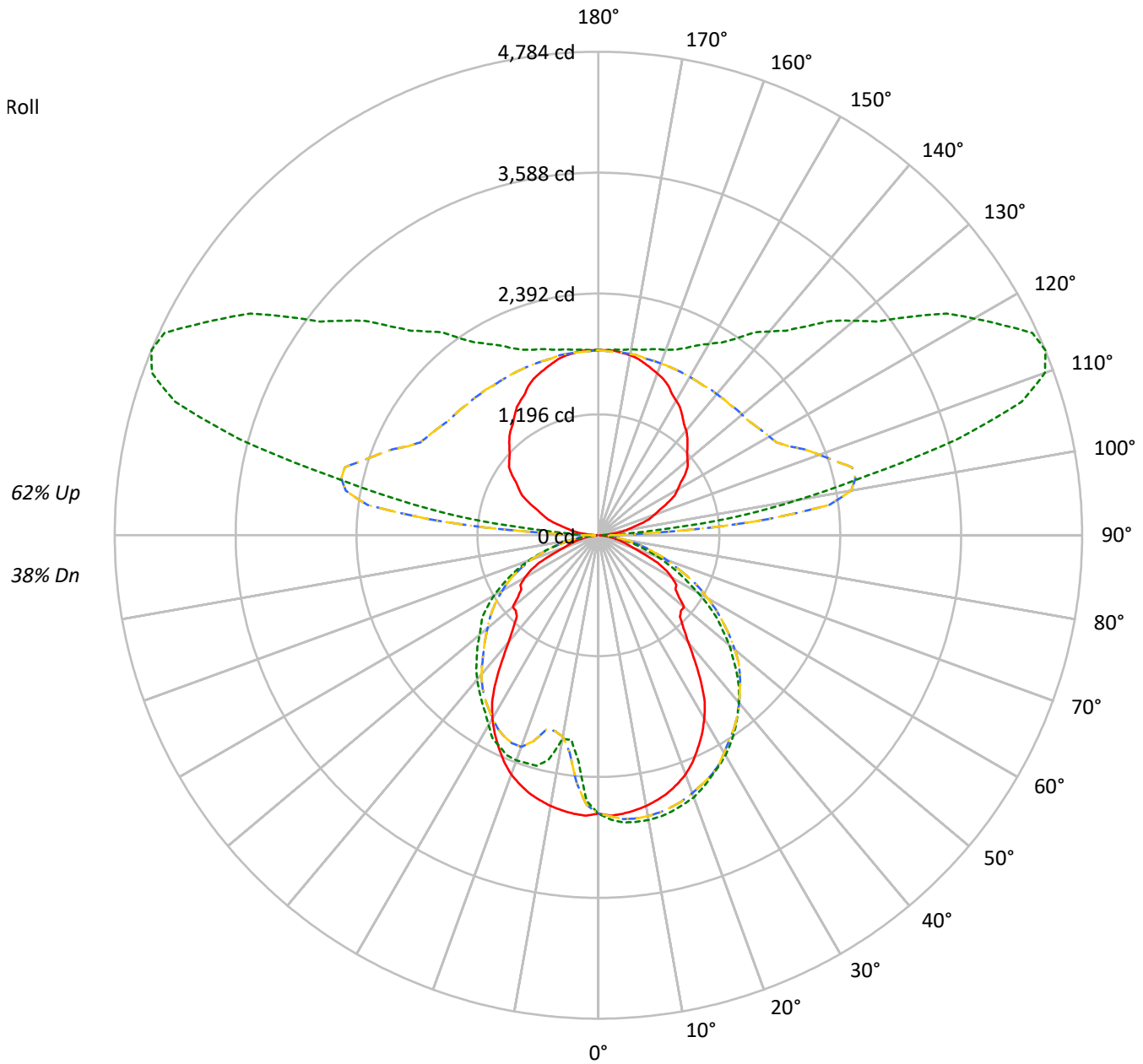
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19027.8 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 144.8
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	50	30	10	0
RCR																					
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38			38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32			32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27			27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23			23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19			19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17			17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13			13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10			10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9			9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12778	12778	12778	12778
5°	12873	12898	12873	10142
10°	12787	12705	12787	9084
15°	12648	12430	12648	10380
20°	12383	12104	12383	10401
25°	11842	11629	11842	10180
30°	11142	11234	11142	9697
35°	9933	10734	9933	9165
40°	8277	10146	8277	8763
45°	7395	9458	7395	8301
50°	7857	8637	7857	7837
55°	7392	7753	7392	7569
60°	7620	6584	7620	6933
65°	6908	5443	6908	6084
70°	4783	4338	4783	5100
75°	4194	3207	4194	3839
80°	3381	2120	3381	2309
85°	1942	1123	1942	953

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11335 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	1.3
10°-20°	705.8	3.7
20°-30°	1091.1	5.7
30°-40°	1302.5	6.8
40°-50°	1310.2	6.9
50°-60°	1140.0	6.0
60°-70°	808.3	4.2
70°-80°	427.6	2.2
80°-90°	113.5	0.6
90°-100°	893.3	4.7
100°-110°	2348.6	12.3
110°-120°	2435.2	12.8
120°-130°	1953.3	10.3
130°-140°	1532.7	8.1
140°-150°	1176.4	6.2
150°-160°	847.2	4.5
160°-170°	518.4	2.7
170°-180°	175.1	0.9
0°-30°	2045.5	10.8
0°-40°	3348.0	17.6
0°-60°	5798.2	30.5
0°-90°	7147.6	37.6
90°-120°	5677.1	29.8
90°-150°	10339.5	54.3
90°-180°	11880.0	62.4
0°-180°	19027.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2754	2754	2754	2754	2754	
5°	2767	2853	2767	2243	2767	262
15°	2642	2827	2642	2361	2642	743
25°	2327	2637	2327	2308	2327	1068
35°	1769	2353	1769	2009	1769	1094
45°	1141	1938	1141	1701	1141	914
55°	930	1430	930	1397	930	855
65°	646	862	646	964	646	618
75°	245	409	245	490	245	257
85°	42	104	42	88	42	56
90°	12	47	12	47	12	12
95°	118	540	118	540	118	131
105°	423	3678	423	3678	423	449
115°	752	4735	752	4735	752	742
125°	1046	3771	1046	3771	1046	928
135°	1246	2926	1246	2926	1246	964
145°	1445	2374	1445	2374	1445	905
155°	1633	2044	1633	2044	1633	751
165°	1762	1904	1762	1904	1762	497
175°	1833	1845	1833	1845	1833	174
180°	1833	1833	1833	1833	1833	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2777.5	2777.5	2793.0	2798.3	2798.3	2790.5	2782.7	2790.5	2813.9	2821.7	2819.2
5°	2767.0	2787.8	2816.5	2821.7	2827.0	2824.3	2819.2	2824.3	2850.4	2855.7	2858.2
7.5°	2746.2	2785.3	2821.7	2829.5	2837.4	2829.5	2827.0	2832.2	2858.2	2863.4	2863.4
10°	2720.1	2774.8	2816.5	2821.7	2829.5	2821.7	2821.7	2832.2	2858.2	2863.4	2866.0
12.5°	2683.6	2759.2	2798.3	2803.5	2813.9	2811.3	2808.7	2819.2	2845.2	2850.4	2850.4
15°	2642.0	2730.5	2767.0	2772.2	2790.5	2785.3	2785.3	2795.7	2824.3	2832.2	2829.5
17.5°	2584.6	2694.0	2735.8	2743.5	2756.6	2754.0	2756.6	2767.0	2793.0	2798.3	2800.9
20°	2519.5	2644.6	2694.0	2701.8	2715.0	2715.0	2715.0	2728.0	2754.0	2764.4	2764.4
22.5°	2430.9	2592.5	2644.6	2649.8	2665.4	2665.4	2670.6	2688.8	2712.3	2715.0	2715.0
25°	2326.7	2535.1	2579.4	2595.1	2610.7	2618.5	2626.3	2636.8	2644.6	2642.0	2644.6
27.5°	2217.2	2462.1	2519.5	2529.9	2550.8	2558.6	2569.0	2571.6	2574.2	2582.0	2576.8
30°	2094.8	2360.6	2446.6	2457.0	2490.8	2496.1	2485.6	2490.8	2503.8	2509.1	2514.3
32.5°	1956.7	2209.4	2371.0	2394.4	2425.7	2410.1	2407.4	2415.3	2436.1	2436.1	2441.3
35°	1769.1	2092.2	2300.6	2321.4	2344.9	2326.7	2337.1	2339.7	2352.8	2360.6	2357.9
37.5°	1563.3	1990.5	2227.7	2243.3	2261.6	2238.1	2253.7	2261.6	2271.9	2266.8	2266.8
40°	1380.9	1831.7	2141.7	2152.1	2167.7	2149.5	2165.2	2170.4	2175.6	2170.4	2167.7
42.5°	1245.4	1657.1	2050.5	2063.5	2053.1	2066.2	2071.4	2081.7	2074.0	2063.5	2063.5
45°	1141.2	1610.1	1951.5	1967.2	1951.5	1972.4	1980.2	1980.2	1956.7	1951.5	1948.9
47.5°	1107.4	1516.4	1852.5	1852.5	1844.7	1870.7	1883.8	1865.5	1842.0	1834.3	1834.3
50°	1104.7	1412.1	1717.0	1706.6	1743.1	1774.3	1761.3	1743.1	1724.8	1696.1	1696.1
52.5°	1003.2	1284.5	1542.4	1581.5	1638.8	1657.1	1636.3	1618.0	1586.8	1573.8	1563.3
55°	930.2	1151.6	1383.6	1461.6	1521.6	1545.1	1505.9	1487.8	1440.8	1433.1	1427.8
57.5°	914.5	958.8	1237.6	1336.6	1409.6	1406.9	1383.6	1349.6	1310.6	1302.7	1300.1
60°	839.0	693.1	1081.2	1198.5	1274.1	1266.2	1245.4	1214.2	1177.7	1172.5	1167.2
62.5°	760.8	502.9	904.1	1037.0	1143.8	1141.2	1123.0	1076.0	1050.0	1037.0	1026.5
65°	646.1	422.1	643.6	862.5	1016.2	1021.3	982.3	948.4	919.7	904.1	901.5
67.5°	492.4	343.9	435.1	719.1	893.7	888.5	839.0	823.3	786.8	779.0	763.4
70°	364.7	229.2	302.2	583.6	773.8	760.8	721.8	703.5	669.6	651.4	640.9
72.5°	302.2	185.0	221.5	453.4	651.4	635.8	601.9	581.0	552.4	536.7	526.3
75°	244.9	195.4	169.4	336.1	528.9	518.5	487.2	466.4	442.9	422.1	424.7
77.5°	179.7	182.4	135.5	247.5	419.4	403.9	385.6	359.6	349.1	328.3	328.3
80°	135.5	143.3	101.7	169.4	302.2	302.2	286.6	268.4	250.1	239.7	239.7
82.5°	91.2	91.2	75.5	106.8	205.9	198.0	187.6	182.4	172.0	166.7	166.7
85°	41.7	52.1	46.9	65.2	112.0	117.2	117.2	112.0	109.4	104.2	106.8
87.5°	13.0	23.5	28.7	36.5	57.3	59.9	62.5	62.5	62.5	65.2	65.2
90°	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3	46.7	46.7
92.5°	49.2	132.8	216.5	237.4	333.8	462.2	526.4	461.3	331.3	233.7	224.4
95°	118.1	271.2	424.2	462.4	821.1	1299.4	1538.7	1373.0	1041.8	793.3	765.1
97.5°	204.2	339.2	474.3	508.0	1106.2	1903.8	2302.5	2197.8	1988.5	1831.4	1777.9
100°	270.6	393.0	515.5	546.1	1209.9	2094.9	2537.4	2545.1	2560.3	2571.8	2508.0
102.5°	327.2	441.4	555.6	584.2	1257.4	2155.0	2603.8	2737.2	3003.9	3204.0	3149.4
105°	423.1	519.8	616.6	640.8	1292.6	2161.8	2596.4	2895.5	3493.5	3942.0	3912.6
107.5°	521.5	611.7	701.8	724.4	1299.3	2065.7	2448.8	2865.9	3700.2	4325.8	4332.9
110°	588.0	669.4	750.8	771.2	1289.4	1980.4	2325.9	2792.2	3724.7	4424.2	4454.7



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2824.3	2816.5	2824.3	2819.2	2821.7	2813.9	2790.5	2782.7	2790.5	2798.3	2798.3
5°	2858.2	2853.0	2858.2	2858.2	2855.7	2850.4	2824.3	2819.2	2824.3	2827.0	2821.7
7.5°	2868.7	2860.8	2868.7	2863.4	2863.4	2858.2	2832.2	2827.0	2829.5	2837.4	2829.5
10°	2868.7	2860.8	2868.7	2866.0	2863.4	2858.2	2832.2	2821.7	2821.7	2829.5	2821.7
12.5°	2855.7	2850.4	2855.7	2850.4	2850.4	2845.2	2819.2	2808.7	2811.3	2813.9	2803.5
15°	2834.8	2827.0	2834.8	2829.5	2832.2	2824.3	2795.7	2785.3	2785.3	2790.5	2772.2
17.5°	2803.5	2793.0	2803.5	2800.9	2798.3	2793.0	2767.0	2756.6	2754.0	2756.6	2743.5
20°	2767.0	2759.2	2767.0	2764.4	2764.4	2754.0	2728.0	2715.0	2715.0	2715.0	2701.8
22.5°	2709.7	2701.8	2709.7	2715.0	2715.0	2712.3	2688.8	2670.6	2665.4	2665.4	2649.8
25°	2644.6	2636.8	2644.6	2644.6	2642.0	2644.6	2636.8	2626.3	2618.5	2610.7	2595.1
27.5°	2582.0	2576.8	2582.0	2576.8	2582.0	2574.2	2571.6	2569.0	2558.6	2550.8	2529.9
30°	2519.5	2514.3	2519.5	2514.3	2509.1	2503.8	2490.8	2485.6	2496.1	2490.8	2457.0
32.5°	2441.3	2436.1	2441.3	2441.3	2436.1	2436.1	2415.3	2407.4	2410.1	2425.7	2394.4
35°	2360.6	2352.8	2360.6	2357.9	2360.6	2352.8	2339.7	2337.1	2326.7	2344.9	2321.4
37.5°	2266.8	2258.9	2266.8	2266.8	2266.8	2271.9	2261.6	2253.7	2238.1	2261.6	2243.3
40°	2170.4	2159.9	2170.4	2167.7	2170.4	2175.6	2170.4	2165.2	2149.5	2167.7	2152.1
42.5°	2060.9	2058.4	2060.9	2063.5	2063.5	2074.0	2081.7	2071.4	2066.2	2053.1	2063.5
45°	1943.7	1938.5	1943.7	1948.9	1951.5	1956.7	1980.2	1980.2	1972.4	1951.5	1967.2
47.5°	1818.6	1805.6	1818.6	1834.3	1834.3	1842.0	1865.5	1883.8	1870.7	1844.7	1852.5
50°	1685.8	1688.3	1685.8	1696.1	1696.1	1724.8	1743.1	1761.3	1774.3	1743.1	1706.6
52.5°	1555.5	1552.9	1555.5	1563.3	1573.8	1586.8	1618.0	1636.3	1657.1	1638.8	1581.5
55°	1425.2	1430.4	1425.2	1427.8	1433.1	1440.8	1487.8	1505.9	1545.1	1521.6	1461.6
57.5°	1294.9	1287.1	1294.9	1300.1	1302.7	1310.6	1349.6	1383.6	1406.9	1409.6	1336.6
60°	1143.8	1133.4	1143.8	1167.2	1172.5	1177.7	1214.2	1245.4	1266.2	1274.1	1198.5
62.5°	1010.9	992.7	1010.9	1026.5	1037.0	1050.0	1076.0	1123.0	1141.2	1143.8	1037.0
65°	870.2	862.5	870.2	901.5	904.1	919.7	948.4	982.3	1021.3	1016.2	862.5
67.5°	742.6	742.6	742.6	763.4	779.0	786.8	823.3	839.0	888.5	893.7	719.1
70°	625.3	622.8	625.3	640.9	651.4	669.6	703.5	721.8	760.8	773.8	583.6
72.5°	513.3	510.6	513.3	526.3	536.7	552.4	581.0	601.9	635.8	651.4	453.4
75°	414.3	409.1	414.3	424.7	422.1	442.9	466.4	487.2	518.5	528.9	336.1
77.5°	317.9	317.9	317.9	328.3	328.3	349.1	359.6	385.6	403.9	419.4	247.5
80°	237.1	234.5	237.1	239.7	239.7	250.1	268.4	286.6	302.2	302.2	169.4
82.5°	166.7	161.5	166.7	166.7	166.7	172.0	182.4	187.6	198.0	205.9	106.8
85°	104.2	104.2	104.2	106.8	104.2	109.4	112.0	117.2	117.2	112.0	65.2
87.5°	67.7	65.2	67.7	65.2	65.2	62.5	62.5	62.5	59.9	57.3	36.5
90°	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4	54.1	34.4
92.5°	187.2	150.1	187.2	224.4	233.7	331.3	461.3	526.4	462.2	333.8	237.4
95°	652.5	539.9	652.5	765.1	793.3	1041.8	1373.0	1538.7	1299.4	821.1	462.4
97.5°	1563.5	1349.2	1563.5	1777.9	1831.4	1988.5	2197.8	2302.5	1903.8	1106.2	508.0
100°	2252.7	1997.4	2252.7	2508.0	2571.8	2560.3	2545.1	2537.4	2094.9	1209.9	546.1
102.5°	2930.7	2712.1	2930.7	3149.4	3204.0	3003.9	2737.2	2603.8	2155.0	1257.4	584.2
105°	3795.1	3677.6	3795.1	3912.6	3942.0	3493.5	2895.5	2596.4	2161.8	1292.6	640.8
107.5°	4361.3	4389.7	4361.3	4332.9	4325.8	3700.2	2865.9	2448.8	2065.7	1299.3	724.4
110°	4577.2	4699.7	4577.2	4454.7	4424.2	3724.7	2792.2	2325.9	1980.4	1289.4	771.2



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CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P936093

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2793.0	2777.5	2777.5	2751.4	2741.0	2733.2	2720.1	2681.0	2670.6	2660.2	2675.8
5°	2816.5	2787.8	2767.0	2720.1	2681.0	2665.4	2615.9	2522.1	2459.6	2412.6	2386.6
7.5°	2821.7	2785.3	2746.2	2673.2	2579.4	2537.8	2386.6	2214.7	2167.7	2126.1	2100.0
10°	2816.5	2774.8	2720.1	2610.7	2389.2	2316.3	2165.2	2053.1	2024.5	2016.7	2024.5
12.5°	2798.3	2759.2	2683.6	2501.3	2191.2	2141.7	2053.1	1988.0	1982.7	1995.8	2066.2
15°	2767.0	2730.5	2642.0	2355.4	2081.7	2045.3	1982.7	1959.3	1988.0	2079.2	2290.2
17.5°	2735.8	2694.0	2584.6	2212.1	1998.4	1972.4	1928.0	1975.0	2136.5	2258.9	2329.3
20°	2694.0	2644.6	2519.5	2107.9	1938.5	1915.0	1894.2	2105.2	2227.7	2271.9	2311.1
22.5°	2644.6	2592.5	2430.9	2034.9	1876.0	1857.7	1870.7	2178.2	2227.7	2258.9	2292.8
25°	2579.4	2535.1	2326.7	1977.5	1826.5	1805.6	1855.1	2170.4	2199.0	2206.9	2274.6
27.5°	2519.5	2462.1	2217.2	1925.5	1766.5	1758.7	1868.2	2136.5	2157.4	2165.2	2238.1
30°	2446.6	2360.6	2094.8	1870.7	1704.0	1701.3	1870.7	2094.8	2089.6	2110.4	2183.4
32.5°	2371.0	2209.4	1956.7	1803.0	1644.1	1641.5	1852.5	2032.2	2027.0	2055.7	2110.4
35°	2300.6	2092.2	1769.1	1724.8	1568.5	1571.1	1808.2	1959.3	1961.9	1988.0	2021.9
37.5°	2227.7	1990.5	1563.3	1638.8	1495.6	1495.6	1748.3	1891.5	1886.4	1894.2	1941.0
40°	2141.7	1831.7	1380.9	1526.8	1427.8	1419.9	1675.3	1818.6	1800.3	1797.8	1862.9
42.5°	2050.5	1657.1	1245.4	1378.3	1349.6	1339.2	1586.8	1730.0	1696.1	1704.0	1787.3
45°	1951.5	1610.1	1141.2	1164.7	1268.9	1261.1	1490.3	1628.4	1605.0	1625.8	1711.8
47.5°	1852.5	1516.4	1107.4	966.7	1182.9	1180.2	1383.6	1529.4	1516.4	1537.3	1628.4
50°	1717.0	1412.1	1104.7	828.5	1086.5	1096.9	1255.9	1433.1	1433.1	1451.3	1547.6
52.5°	1542.4	1284.5	1003.2	750.3	974.5	1005.7	1143.8	1349.6	1354.9	1373.1	1459.1
55°	1383.6	1151.6	930.2	690.5	841.6	909.3	1034.4	1263.7	1274.1	1292.4	1370.4
57.5°	1237.6	958.8	914.5	620.1	719.1	784.3	938.0	1180.2	1185.5	1201.1	1276.7
60°	1081.2	693.1	839.0	544.6	612.3	661.8	849.3	1081.2	1099.5	1109.9	1175.1
62.5°	904.1	502.9	760.8	492.4	560.1	570.6	776.5	987.5	1010.9	1018.7	1057.8
65°	643.6	422.1	646.1	448.1	505.4	508.1	698.3	891.0	912.0	925.0	953.6
67.5°	435.1	343.9	492.4	406.4	463.8	466.4	622.8	779.0	807.7	818.1	836.3
70°	302.2	229.2	364.7	362.2	416.9	422.1	541.9	677.4	703.5	711.3	721.8
72.5°	221.5	185.0	302.2	325.7	367.4	372.6	458.6	562.8	588.8	596.6	601.9
75°	169.4	195.4	244.9	284.0	312.7	315.2	375.2	458.6	476.8	482.1	484.6
77.5°	135.5	182.4	179.7	229.2	255.4	250.1	294.4	354.4	369.9	369.9	369.9
80°	101.7	143.3	135.5	164.2	187.6	182.4	211.0	252.7	257.9	263.2	260.5
82.5°	75.5	91.2	91.2	104.2	125.0	119.9	140.7	164.2	164.2	164.2	169.4
85°	46.9	52.1	41.7	54.7	70.3	67.7	78.2	88.5	91.2	91.2	86.0
87.5°	28.7	23.5	13.0	20.8	31.3	31.3	36.5	39.0	36.5	36.5	36.5
90°	31.9	22.2	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3
92.5°	216.5	132.8	49.2	132.8	216.5	237.4	333.8	462.2	526.4	461.3	331.3
95°	424.2	271.2	118.1	271.2	424.2	462.4	821.1	1299.4	1538.7	1373.0	1041.8
97.5°	474.3	339.2	204.2	339.2	474.3	508.0	1106.2	1903.8	2302.5	2197.8	1988.5
100°	515.5	393.0	270.6	393.0	515.5	546.1	1209.9	2094.9	2537.4	2545.1	2560.3
102.5°	555.6	441.4	327.2	441.4	555.6	584.2	1257.4	2155.0	2603.8	2737.2	3003.9
105°	616.6	519.8	423.1	519.8	616.6	640.8	1292.6	2161.8	2596.4	2895.5	3493.5
107.5°	701.8	611.7	521.5	611.7	701.8	724.4	1299.3	2065.7	2448.8	2865.9	3700.2
110°	750.8	669.4	588.0	669.4	750.8	771.2	1289.4	1980.4	2325.9	2792.2	3724.7



TEST NUMBER: P936093

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P936093

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2657.6	2649.8	2660.2	2631.5	2660.2	2649.8	2657.6	2675.8	2660.2	2670.6	2681.0
5°	2331.9	2318.9	2277.2	2243.3	2277.2	2318.9	2331.9	2386.6	2412.6	2459.6	2522.1
7.5°	2084.4	2074.0	2063.5	2042.7	2063.5	2074.0	2084.4	2100.0	2126.1	2167.7	2214.7
10°	2029.7	2032.2	2047.9	2045.3	2047.9	2032.2	2029.7	2024.5	2016.7	2024.5	2053.1
12.5°	2170.4	2193.8	2279.8	2274.6	2279.8	2193.8	2170.4	2066.2	1995.8	1982.7	1988.0
15°	2331.9	2339.7	2357.9	2360.6	2357.9	2339.7	2331.9	2290.2	2079.2	1988.0	1959.3
17.5°	2347.6	2350.1	2363.1	2363.1	2363.1	2350.1	2347.6	2329.3	2258.9	2136.5	1975.0
20°	2334.6	2339.7	2365.8	2371.0	2365.8	2339.7	2334.6	2311.1	2271.9	2227.7	2105.2
22.5°	2329.3	2339.7	2360.6	2357.9	2360.6	2339.7	2329.3	2292.8	2258.9	2227.7	2178.2
25°	2303.2	2303.2	2305.9	2308.4	2305.9	2303.2	2303.2	2274.6	2206.9	2199.0	2170.4
27.5°	2248.6	2253.7	2269.4	2266.8	2269.4	2253.7	2248.6	2238.1	2165.2	2157.4	2136.5
30°	2199.0	2193.8	2180.7	2170.4	2180.7	2193.8	2199.0	2183.4	2110.4	2089.6	2094.8
32.5°	2115.7	2102.6	2089.6	2081.7	2089.6	2102.6	2115.7	2110.4	2055.7	2027.0	2032.2
35°	2016.7	2019.2	2016.7	2008.8	2016.7	2019.2	2016.7	2021.9	1988.0	1961.9	1959.3
37.5°	1946.3	1951.5	1948.9	1938.5	1948.9	1951.5	1946.3	1941.0	1894.2	1886.4	1891.5
40°	1873.3	1876.0	1873.3	1865.5	1873.3	1876.0	1873.3	1862.9	1797.8	1800.3	1818.6
42.5°	1803.0	1800.3	1792.5	1787.3	1792.5	1800.3	1803.0	1787.3	1704.0	1696.1	1730.0
45°	1722.2	1724.8	1709.2	1701.3	1709.2	1724.8	1722.2	1711.8	1625.8	1605.0	1628.4
47.5°	1641.5	1641.5	1628.4	1620.6	1628.4	1641.5	1641.5	1628.4	1537.3	1516.4	1529.4
50°	1555.5	1552.9	1534.6	1532.0	1534.6	1552.9	1555.5	1547.6	1451.3	1433.1	1433.1
52.5°	1456.4	1456.4	1459.1	1464.3	1459.1	1456.4	1456.4	1459.1	1373.1	1354.9	1349.6
55°	1370.4	1373.1	1391.3	1396.6	1391.3	1373.1	1370.4	1370.4	1292.4	1274.1	1263.7
57.5°	1281.9	1281.9	1294.9	1294.9	1294.9	1281.9	1281.9	1276.7	1201.1	1185.5	1180.2
60°	1180.2	1185.5	1195.9	1193.4	1195.9	1185.5	1180.2	1175.1	1109.9	1099.5	1081.2
62.5°	1073.5	1078.7	1081.2	1076.0	1081.2	1078.7	1073.5	1057.8	1018.7	1010.9	987.5
65°	961.4	966.7	969.2	964.0	969.2	966.7	961.4	953.6	925.0	912.0	891.0
67.5°	846.8	844.2	841.6	852.0	841.6	844.2	846.8	836.3	818.1	807.7	779.0
70°	729.5	729.5	726.9	732.1	726.9	729.5	729.5	721.8	711.3	703.5	677.4
72.5°	604.5	601.9	612.3	604.5	612.3	601.9	604.5	601.9	596.6	588.8	562.8
75°	482.1	487.2	482.1	489.8	482.1	487.2	482.1	484.6	482.1	476.8	458.6
77.5°	367.4	372.6	367.4	367.4	367.4	372.6	367.4	369.9	369.9	369.9	354.4
80°	260.5	257.9	257.9	255.4	257.9	257.9	260.5	260.5	263.2	257.9	252.7
82.5°	166.7	164.2	164.2	169.4	164.2	164.2	166.7	169.4	164.2	164.2	164.2
85°	91.2	93.8	88.5	88.5	88.5	93.8	91.2	86.0	91.2	91.2	88.5
87.5°	33.9	31.3	31.3	31.3	31.3	31.3	33.9	36.5	36.5	36.5	39.0
90°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4
92.5°	233.7	224.4	187.2	150.1	187.2	224.4	233.7	331.3	461.3	526.4	462.2
95°	793.3	765.1	652.5	539.9	652.5	765.1	793.3	1041.8	1373.0	1538.7	1299.4
97.5°	1831.4	1777.9	1563.5	1349.2	1563.5	1777.9	1831.4	1988.5	2197.8	2302.5	1903.8
100°	2571.8	2508.0	2252.7	1997.4	2252.7	2508.0	2571.8	2560.3	2545.1	2537.4	2094.9
102.5°	3204.0	3149.4	2930.7	2712.1	2930.7	3149.4	3204.0	3003.9	2737.2	2603.8	2155.0
105°	3942.0	3912.6	3795.1	3677.6	3795.1	3912.6	3942.0	3493.5	2895.5	2596.4	2161.8
107.5°	4325.8	4332.9	4361.3	4389.7	4361.3	4332.9	4325.8	3700.2	2865.9	2448.8	2065.7
110°	4424.2	4454.7	4577.2	4699.7	4577.2	4454.7	4424.2	3724.7	2792.2	2325.9	1980.4



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2720.1	2733.2	2741.0	2751.4	2777.5
5°	2615.9	2665.4	2681.0	2720.1	2767.0
7.5°	2386.6	2537.8	2579.4	2673.2	2746.2
10°	2165.2	2316.3	2389.2	2610.7	2720.1
12.5°	2053.1	2141.7	2191.2	2501.3	2683.6
15°	1982.7	2045.3	2081.7	2355.4	2642.0
17.5°	1928.0	1972.4	1998.4	2212.1	2584.6
20°	1894.2	1915.0	1938.5	2107.9	2519.5
22.5°	1870.7	1857.7	1876.0	2034.9	2430.9
25°	1855.1	1805.6	1826.5	1977.5	2326.7
27.5°	1868.2	1758.7	1766.5	1925.5	2217.2
30°	1870.7	1701.3	1704.0	1870.7	2094.8
32.5°	1852.5	1641.5	1644.1	1803.0	1956.7
35°	1808.2	1571.1	1568.5	1724.8	1769.1
37.5°	1748.3	1495.6	1495.6	1638.8	1563.3
40°	1675.3	1419.9	1427.8	1526.8	1380.9
42.5°	1586.8	1339.2	1349.6	1378.3	1245.4
45°	1490.3	1261.1	1268.9	1164.7	1141.2
47.5°	1383.6	1180.2	1182.9	966.7	1107.4
50°	1255.9	1096.9	1086.5	828.5	1104.7
52.5°	1143.8	1005.7	974.5	750.3	1003.2
55°	1034.4	909.3	841.6	690.5	930.2
57.5°	938.0	784.3	719.1	620.1	914.5
60°	849.3	661.8	612.3	544.6	839.0
62.5°	776.5	570.6	560.1	492.4	760.8
65°	698.3	508.1	505.4	448.1	646.1
67.5°	622.8	466.4	463.8	406.4	492.4
70°	541.9	422.1	416.9	362.2	364.7
72.5°	458.6	372.6	367.4	325.7	302.2
75°	375.2	315.2	312.7	284.0	244.9
77.5°	294.4	250.1	255.4	229.2	179.7
80°	211.0	182.4	187.6	164.2	135.5
82.5°	140.7	119.9	125.0	104.2	91.2
85°	78.2	67.7	70.3	54.7	41.7
87.5°	36.5	31.3	31.3	20.8	13.0
90°	54.1	34.4	31.9	22.2	12.3
92.5°	333.8	237.4	216.5	132.8	49.2
95°	821.1	462.4	424.2	271.2	118.1
97.5°	1106.2	508.0	474.3	339.2	204.2
100°	1209.9	546.1	515.5	393.0	270.6
102.5°	1257.4	584.2	555.6	441.4	327.2
105°	1292.6	640.8	616.6	519.8	423.1
107.5°	1299.3	724.4	701.8	611.7	521.5
110°	1289.4	771.2	750.8	669.4	588.0



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CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

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



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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	12.39	13.15	13.44	14.21	15.65	15.22	15.98	16.28	17.04	18.48
	3H	12.86	13.54	13.92	14.61	16.06	16.56	17.24	17.63	18.31	19.77
	4H	13.04	13.69	14.12	14.76	16.22	17.01	17.65	18.08	18.72	20.18
	6H	13.16	13.75	14.24	14.82	16.30	17.29	17.88	18.37	18.95	20.43
	8H	13.15	13.72	14.25	14.81	16.28	17.36	17.92	18.45	19.01	20.48
	12H	13.12	13.66	14.22	14.74	16.24	17.40	17.93	18.49	19.02	20.51
4H	2H	13.41	14.05	14.49	15.12	16.59	15.62	16.27	16.71	17.34	18.80
	3H	14.43	14.96	15.52	16.06	17.54	17.12	17.66	18.21	18.75	20.23
	4H	14.70	15.19	15.79	16.28	17.78	17.64	18.14	18.74	19.23	20.72
	6H	14.82	15.24	15.92	16.35	17.84	18.01	18.43	19.11	19.54	21.03
	8H	14.82	15.21	15.93	16.32	17.83	18.11	18.51	19.22	19.61	21.12
	12H	14.78	15.14	15.90	16.26	17.77	18.16	18.52	19.29	19.64	21.15
8H	4H	15.14	15.54	16.25	16.64	18.15	17.76	18.16	18.87	19.26	20.77
	6H	15.40	15.73	16.53	16.87	18.38	18.19	18.52	19.32	19.67	21.17
	8H	15.44	15.73	16.58	16.86	18.38	18.35	18.63	19.48	19.76	21.28
	12H	15.42	15.67	16.56	16.80	18.36	18.44	18.69	19.58	19.82	21.38
12H	4H	15.15	15.50	16.27	16.62	18.13	17.72	18.08	18.84	19.19	20.71
	6H	15.46	15.75	16.60	16.87	18.40	18.19	18.48	19.32	19.60	21.13
	8H	15.52	15.77	16.66	16.90	18.46	18.35	18.60	19.49	19.72	21.28