

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: P936189

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936189
REPORT IS A COMBINATION OF REPORTS P933783 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

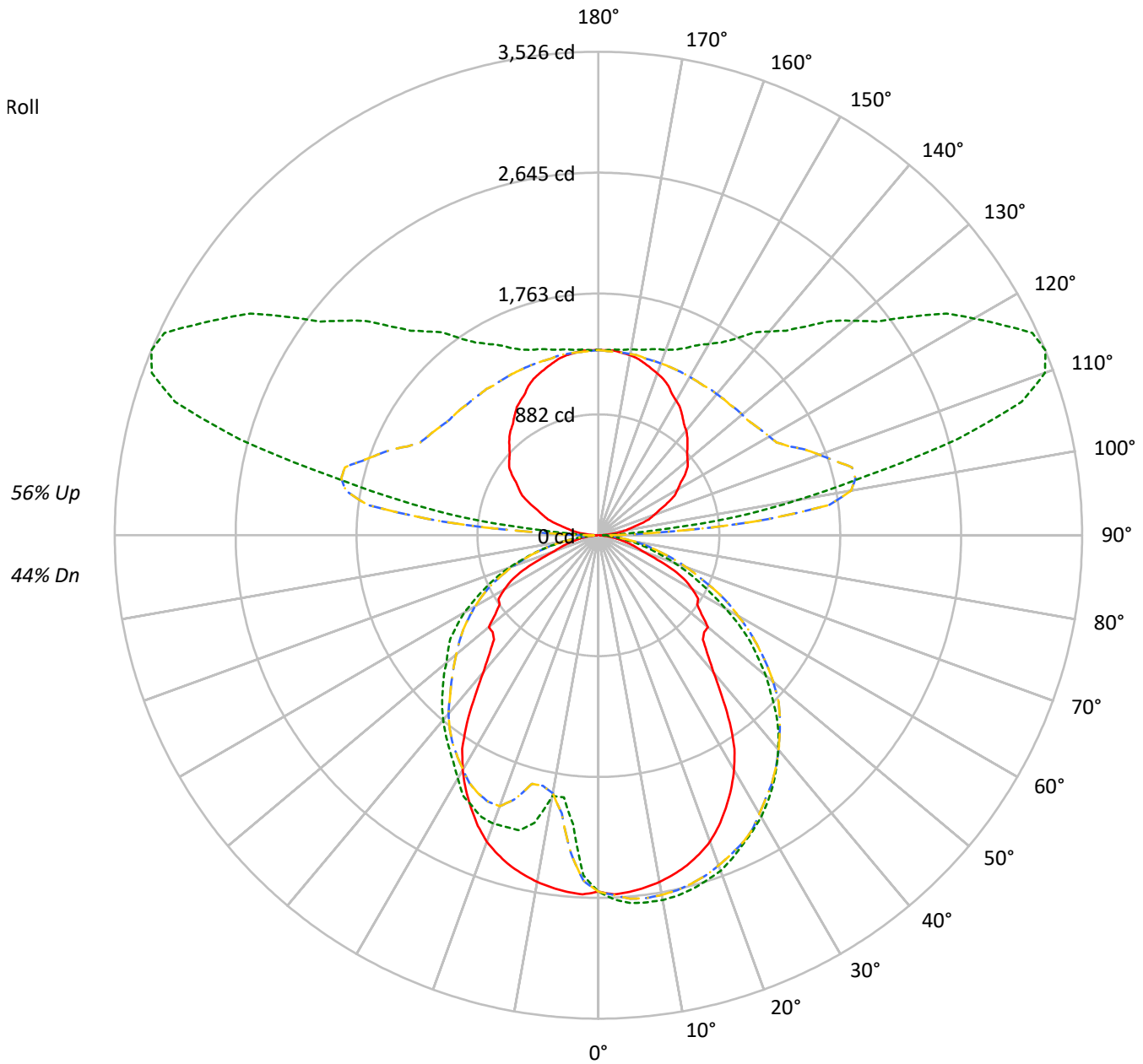
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15502.1 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 124.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16082	16082	16082	16082
5°	16196	16233	16196	12765
10°	16082	15991	16082	11432
15°	15901	15645	15901	13063
20°	15562	15234	15562	13091
25°	14875	14636	14875	12813
30°	13990	14139	13990	12205
35°	12466	13510	12466	11535
40°	10381	12770	10381	11030
45°	9269	11904	9269	10448
50°	9840	10870	9840	9864
55°	9249	9757	9249	9526
60°	9524	8287	9524	8726
65°	8621	6851	8621	7658
70°	5955	5459	5955	6419
75°	5202	4035	5202	4833
80°	4163	2667	4163	2905
85°	2343	1413	2343	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14216 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	1.5
10°-20°	666.3	4.3
20°-30°	1029.9	6.6
30°-40°	1229.5	7.9
40°-50°	1236.7	8.0
50°-60°	1076.1	6.9
60°-70°	763.0	4.9
70°-80°	403.7	2.6
80°-90°	105.7	0.7
90°-100°	658.4	4.2
100°-110°	1731.1	11.2
110°-120°	1794.9	11.6
120°-130°	1439.7	9.3
130°-140°	1129.7	7.3
140°-150°	867.1	5.6
150°-160°	624.4	4.0
160°-170°	382.1	2.5
170°-180°	129.1	0.8
0°-30°	1930.9	12.5
0°-40°	3160.4	20.4
0°-60°	5473.2	35.3
0°-90°	6745.5	43.5
90°-120°	4184.4	27.0
90°-150°	7621.0	49.2
90°-180°	8757.0	56.5
0°-180°	15502.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2600	2600	2600	2600	2600	
5°	2612	2693	2612	2118	2612	248
15°	2494	2668	2494	2228	2494	702
25°	2196	2489	2196	2179	2196	1008
35°	1670	2221	1670	1896	1670	1033
45°	1077	1830	1077	1606	1077	863
55°	878	1350	878	1318	878	807
65°	610	814	610	910	610	583
75°	231	386	231	462	231	243
85°	39	98	39	84	39	53
90°	9	34	9	34	9	9
95°	87	398	87	398	87	97
105°	312	2711	312	2711	312	331
115°	554	3490	554	3490	554	547
125°	770	2780	770	2780	770	684
135°	918	2157	918	2157	918	711
145°	1065	1750	1065	1750	1065	667
155°	1204	1507	1204	1507	1204	553
165°	1299	1403	1299	1403	1299	367
175°	1351	1360	1351	1360	1351	128
180°	1351	1351	1351	1351	1351	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2621.7	2621.7	2636.6	2641.4	2641.4	2634.0	2626.7	2634.0	2656.2	2663.6	2661.1
5°	2611.9	2631.6	2658.6	2663.6	2668.5	2666.0	2661.1	2666.0	2690.6	2695.6	2698.0
7.5°	2592.3	2629.1	2663.6	2671.0	2678.3	2671.0	2668.5	2673.4	2698.0	2702.9	2702.9
10°	2567.7	2619.3	2658.6	2663.6	2671.0	2663.6	2663.6	2673.4	2698.0	2702.9	2705.4
12.5°	2533.3	2604.6	2641.4	2646.3	2656.2	2653.7	2651.3	2661.1	2685.7	2690.6	2690.6
15°	2493.9	2577.4	2611.9	2616.9	2634.0	2629.1	2629.1	2639.0	2666.0	2673.4	2671.0
17.5°	2439.7	2543.0	2582.4	2589.7	2602.1	2599.6	2602.1	2611.9	2636.6	2641.4	2643.9
20°	2378.3	2496.3	2543.0	2550.4	2562.7	2562.7	2562.7	2575.0	2599.6	2609.4	2609.4
22.5°	2294.7	2447.1	2496.3	2501.3	2516.0	2516.0	2521.0	2538.1	2560.3	2562.7	2562.7
25°	2196.2	2393.0	2434.8	2449.6	2464.4	2471.7	2479.1	2489.0	2496.3	2493.9	2496.3
27.5°	2092.9	2324.1	2378.3	2388.1	2407.8	2415.1	2425.0	2427.4	2430.0	2437.3	2432.4
30°	1977.3	2228.2	2309.4	2319.2	2351.2	2356.1	2346.3	2351.2	2363.5	2368.4	2373.4
32.5°	1847.0	2085.6	2238.1	2260.2	2289.7	2275.0	2272.5	2279.9	2299.5	2299.5	2304.5
35°	1670.0	1974.9	2171.7	2191.4	2213.5	2196.2	2206.1	2208.5	2220.9	2228.2	2225.8
37.5°	1475.7	1879.0	2102.8	2117.6	2134.8	2112.6	2127.4	2134.8	2144.6	2139.7	2139.7
40°	1303.5	1729.0	2021.6	2031.5	2046.2	2029.0	2043.8	2048.8	2053.6	2048.8	2046.2
42.5°	1175.6	1564.2	1935.6	1947.9	1938.0	1950.3	1955.2	1965.1	1957.7	1947.9	1947.9
45°	1077.2	1520.0	1842.1	1856.9	1842.1	1861.8	1869.2	1869.2	1847.0	1842.1	1839.6
47.5°	1045.3	1431.4	1748.7	1748.7	1741.3	1765.9	1778.2	1761.0	1738.8	1731.4	1731.4
50°	1042.8	1333.1	1620.7	1611.0	1645.4	1674.9	1662.6	1645.4	1628.1	1601.1	1601.1
52.5°	946.9	1212.5	1456.0	1492.8	1547.0	1564.2	1544.5	1527.3	1497.8	1485.5	1475.7
55°	878.0	1087.0	1305.9	1379.8	1436.3	1458.4	1421.5	1404.4	1360.1	1352.7	1347.8
57.5°	863.3	905.0	1168.2	1261.7	1330.5	1328.1	1305.9	1273.9	1237.1	1229.8	1227.2
60°	792.0	654.2	1020.6	1131.3	1202.6	1195.3	1175.6	1146.1	1111.6	1106.8	1101.8
62.5°	718.1	474.7	853.4	978.9	1079.7	1077.2	1060.0	1015.7	991.2	978.9	969.0
65°	610.0	398.5	607.5	814.1	959.2	964.1	927.2	895.3	868.2	853.4	851.0
67.5°	464.8	324.6	410.8	678.8	843.6	838.7	792.0	777.1	742.7	735.4	720.6
70°	344.3	216.5	285.3	550.9	730.4	718.1	681.3	664.1	632.1	614.8	605.0
72.5°	285.3	174.6	209.0	427.9	614.8	600.1	568.1	548.5	521.4	506.7	496.8
75°	231.2	184.5	159.9	317.3	499.2	489.4	459.9	440.2	418.1	398.5	400.9
77.5°	169.7	172.2	127.9	233.6	395.9	381.2	364.0	339.4	329.6	309.9	309.9
80°	127.9	135.3	95.9	159.9	285.3	285.3	270.5	253.3	236.1	226.3	226.3
82.5°	86.0	86.0	71.3	100.9	194.3	186.9	177.0	172.2	162.3	157.4	157.4
85°	39.3	49.2	44.3	61.5	105.7	110.7	110.7	105.7	103.3	98.4	100.9
87.5°	12.3	22.1	27.0	34.4	54.1	56.6	59.0	59.0	59.0	61.5	61.5
90°	9.1	16.4	23.5	25.4	39.9	59.2	68.9	61.2	45.9	34.5	34.5
92.5°	36.2	97.9	159.6	175.0	246.0	340.7	388.0	340.0	244.2	172.3	165.4
95°	87.0	199.8	312.7	340.9	605.3	957.9	1134.1	1012.0	767.8	584.7	564.0
97.5°	150.5	250.0	349.5	374.4	815.3	1403.2	1697.1	1620.0	1465.6	1349.9	1310.4
100°	199.4	289.7	379.9	402.5	891.8	1544.1	1870.3	1875.9	1887.2	1895.7	1848.7
102.5°	241.2	325.4	409.6	430.6	926.8	1588.4	1919.2	2017.5	2214.1	2361.5	2321.2
105°	311.8	383.1	454.5	472.3	952.8	1593.4	1913.8	2134.1	2574.9	2905.5	2883.8
107.5°	384.4	450.9	517.3	533.9	957.6	1522.5	1805.0	2112.4	2727.3	3188.4	3193.6
110°	433.3	493.4	553.4	568.4	950.4	1459.6	1714.3	2058.0	2745.4	3260.9	3283.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	481.4	538.6	595.7	610.1	950.7	1404.8	1631.8	1983.5	2687.0	3214.7	3249.3
115°	553.9	606.7	659.5	672.7	959.4	1341.8	1533.0	1871.8	2549.5	3057.8	3105.8
117.5°	625.5	673.5	721.4	733.4	977.3	1302.4	1465.0	1770.8	2382.4	2841.1	2894.4
120°	667.3	712.4	757.6	768.8	991.8	1289.2	1437.8	1717.3	2276.1	2695.2	2746.9
122.5°	708.0	753.6	799.1	810.5	1012.6	1282.2	1417.0	1668.6	2171.8	2549.2	2600.3
125°	770.5	812.0	853.6	864.0	1040.7	1276.5	1394.3	1608.1	2035.5	2356.1	2403.1
127.5°	821.3	863.2	905.1	915.6	1068.8	1273.1	1375.2	1558.7	1925.8	2201.1	2240.8
130°	848.6	893.7	938.9	950.1	1089.4	1275.2	1368.0	1531.4	1858.2	2103.2	2139.8
132.5°	876.7	921.8	967.0	978.2	1106.0	1276.5	1361.6	1507.9	1800.4	2019.8	2052.6
135°	918.3	959.4	1000.6	1010.9	1124.1	1275.2	1350.8	1473.3	1718.2	1902.0	1930.2
137.5°	961.0	1001.7	1042.4	1052.5	1151.4	1283.1	1348.9	1452.5	1659.6	1814.9	1838.1
140°	996.3	1033.8	1071.2	1080.6	1167.9	1284.4	1342.6	1432.1	1611.0	1745.2	1766.8
142.5°	1023.5	1058.1	1092.8	1101.5	1181.9	1289.1	1342.6	1421.2	1578.3	1696.1	1714.7
145°	1065.2	1095.5	1125.7	1133.2	1200.0	1289.1	1333.5	1397.8	1526.4	1622.8	1636.8
147.5°	1106.9	1136.3	1165.7	1173.1	1226.6	1297.9	1333.5	1384.1	1485.2	1561.1	1572.8
150°	1134.1	1160.7	1187.2	1193.9	1240.4	1302.5	1333.5	1376.3	1461.6	1525.7	1535.2
152.5°	1162.2	1182.4	1202.5	1207.6	1249.5	1305.5	1333.5	1370.0	1442.9	1497.6	1504.8
155°	1203.9	1218.8	1233.7	1237.4	1269.5	1312.2	1333.5	1362.5	1420.6	1464.1	1468.8
157.5°	1234.7	1249.2	1263.8	1267.4	1289.4	1318.8	1333.5	1356.1	1401.3	1435.1	1438.4
160°	1255.6	1266.9	1278.1	1280.9	1298.5	1321.8	1333.5	1352.9	1391.6	1420.6	1422.5
162.5°	1276.5	1284.9	1293.3	1295.5	1308.1	1325.1	1333.5	1349.8	1382.5	1407.0	1408.8
165°	1299.1	1306.8	1314.4	1316.3	1322.0	1329.7	1333.5	1345.3	1368.6	1386.2	1388.1
167.5°	1320.0	1323.6	1327.2	1328.1	1333.0	1339.4	1342.6	1350.3	1365.6	1377.0	1377.8
170°	1333.5	1337.1	1340.8	1341.7	1342.0	1342.5	1342.6	1350.3	1365.6	1377.0	1377.0
172.5°	1340.8	1341.6	1342.5	1342.6	1342.6	1342.6	1342.6	1348.7	1360.8	1369.8	1369.1
175°	1350.8	1350.8	1350.8	1350.8	1348.1	1344.5	1342.6	1346.4	1354.1	1359.8	1359.8
177.5°	1350.8	1350.8	1350.8	1350.8	1348.7	1345.8	1344.4	1347.4	1353.5	1358.1	1357.3
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2666.0	2658.6	2666.0	2661.1	2663.6	2656.2	2634.0	2626.7	2634.0	2641.4	2641.4
5°	2698.0	2693.0	2698.0	2698.0	2695.6	2690.6	2666.0	2661.1	2666.0	2668.5	2663.6
7.5°	2707.9	2700.5	2707.9	2702.9	2702.9	2698.0	2673.4	2668.5	2671.0	2678.3	2671.0
10°	2707.9	2700.5	2707.9	2705.4	2702.9	2698.0	2673.4	2663.6	2663.6	2671.0	2663.6
12.5°	2695.6	2690.6	2695.6	2690.6	2690.6	2685.7	2661.1	2651.3	2653.7	2656.2	2646.3
15°	2675.9	2668.5	2675.9	2671.0	2673.4	2666.0	2639.0	2629.1	2629.1	2634.0	2616.9
17.5°	2646.3	2636.6	2646.3	2643.9	2641.4	2636.6	2611.9	2602.1	2599.6	2602.1	2589.7
20°	2611.9	2604.6	2611.9	2609.4	2609.4	2599.6	2575.0	2562.7	2562.7	2562.7	2550.4
22.5°	2557.8	2550.4	2557.8	2562.7	2562.7	2560.3	2538.1	2521.0	2516.0	2516.0	2501.3
25°	2496.3	2489.0	2496.3	2496.3	2493.9	2496.3	2489.0	2479.1	2471.7	2464.4	2449.6
27.5°	2437.3	2432.4	2437.3	2432.4	2437.3	2430.0	2427.4	2425.0	2415.1	2407.8	2388.1
30°	2378.3	2373.4	2378.3	2373.4	2368.4	2363.5	2351.2	2346.3	2356.1	2351.2	2319.2
32.5°	2304.5	2299.5	2304.5	2304.5	2299.5	2299.5	2279.9	2272.5	2275.0	2289.7	2260.2
35°	2228.2	2220.9	2228.2	2225.8	2228.2	2220.9	2208.5	2206.1	2196.2	2213.5	2191.4
37.5°	2139.7	2132.3	2139.7	2139.7	2139.7	2144.6	2134.8	2127.4	2112.6	2134.8	2117.6
40°	2048.8	2038.9	2048.8	2046.2	2048.8	2053.6	2048.8	2043.8	2029.0	2046.2	2031.5
42.5°	1945.5	1942.9	1945.5	1947.9	1947.9	1957.7	1965.1	1955.2	1950.3	1938.0	1947.9
45°	1834.7	1829.9	1834.7	1839.6	1842.1	1847.0	1869.2	1869.2	1861.8	1842.1	1856.9
47.5°	1716.7	1704.4	1716.7	1731.4	1731.4	1738.8	1761.0	1778.2	1765.9	1741.3	1748.7
50°	1591.3	1593.7	1591.3	1601.1	1601.1	1628.1	1645.4	1662.6	1674.9	1645.4	1611.0
52.5°	1468.3	1465.8	1468.3	1475.7	1485.5	1497.8	1527.3	1544.5	1564.2	1547.0	1492.8
55°	1345.3	1350.2	1345.3	1347.8	1352.7	1360.1	1404.4	1421.5	1458.4	1436.3	1379.8
57.5°	1222.3	1214.9	1222.3	1227.2	1229.8	1237.1	1273.9	1305.9	1328.1	1330.5	1261.7
60°	1079.7	1069.9	1079.7	1101.8	1106.8	1111.6	1146.1	1175.6	1195.3	1202.6	1131.3
62.5°	954.3	937.0	954.3	969.0	978.9	991.2	1015.7	1060.0	1077.2	1079.7	978.9
65°	821.4	814.1	821.4	851.0	853.4	868.2	895.3	927.2	964.1	959.2	814.1
67.5°	701.0	701.0	701.0	720.6	735.4	742.7	777.1	792.0	838.7	843.6	678.8
70°	590.2	587.8	590.2	605.0	614.8	632.1	664.1	681.3	718.1	730.4	550.9
72.5°	484.5	482.1	484.5	496.8	506.7	521.4	548.5	568.1	600.1	614.8	427.9
75°	391.1	386.1	391.1	400.9	398.5	418.1	440.2	459.9	489.4	499.2	317.3
77.5°	300.1	300.1	300.1	309.9	309.9	329.6	339.4	364.0	381.2	395.9	233.6
80°	223.8	221.3	223.8	226.3	226.3	236.1	253.3	270.5	285.3	285.3	159.9
82.5°	157.4	152.5	157.4	157.4	157.4	162.3	172.2	177.0	186.9	194.3	100.9
85°	98.4	98.4	98.4	100.9	98.4	103.3	105.7	110.7	110.7	105.7	61.5
87.5°	64.0	61.5	64.0	61.5	61.5	59.0	59.0	59.0	56.6	54.1	34.4
90°	34.5	34.5	34.5	34.5	34.5	45.9	61.2	68.9	59.2	39.9	25.4
92.5°	138.0	110.6	138.0	165.4	172.3	244.2	340.0	388.0	340.7	246.0	175.0
95°	480.9	398.0	480.9	564.0	584.7	767.8	1012.0	1134.1	957.9	605.3	340.9
97.5°	1152.4	994.5	1152.4	1310.4	1349.9	1465.6	1620.0	1697.1	1403.2	815.3	374.4
100°	1660.5	1472.3	1660.5	1848.7	1895.7	1887.2	1875.9	1870.3	1544.1	891.8	402.5
102.5°	2160.1	1999.0	2160.1	2321.2	2361.5	2214.1	2017.5	1919.2	1588.4	926.8	430.6
105°	2797.2	2710.6	2797.2	2883.8	2905.5	2574.9	2134.1	1913.8	1593.4	952.8	472.3
107.5°	3214.6	3235.5	3214.6	3193.6	3188.4	2727.3	2112.4	1805.0	1522.5	957.6	533.9
110°	3373.7	3464.0	3373.7	3283.5	3260.9	2745.4	2058.0	1714.3	1459.6	950.4	568.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3387.9	3526.5	3387.9	3249.3	3214.7	2687.0	1983.5	1631.8	1404.8	950.7	610.1
115°	3298.0	3490.2	3298.0	3105.8	3057.8	2549.5	1871.8	1533.0	1341.8	959.4	672.7
117.5°	3107.6	3320.8	3107.6	2894.4	2841.1	2382.4	1770.8	1465.0	1302.4	977.3	733.4
120°	2954.1	3161.2	2954.1	2746.9	2695.2	2276.1	1717.3	1437.8	1289.2	991.8	768.8
122.5°	2804.6	3008.8	2804.6	2600.3	2549.2	2171.8	1668.6	1417.0	1282.2	1012.6	810.5
125°	2591.3	2779.5	2591.3	2403.1	2356.1	2035.5	1608.1	1394.3	1276.5	1040.7	864.0
127.5°	2399.5	2558.4	2399.5	2240.8	2201.1	1925.8	1558.7	1375.2	1273.1	1068.8	915.6
130°	2286.5	2433.2	2286.5	2139.8	2103.2	1858.2	1531.4	1368.0	1275.2	1089.4	950.1
132.5°	2183.9	2315.3	2183.9	2052.6	2019.8	1800.4	1507.9	1361.6	1276.5	1106.0	978.2
135°	2043.5	2156.7	2043.5	1930.2	1902.0	1718.2	1473.3	1350.8	1275.2	1124.1	1010.9
137.5°	1930.8	2023.5	1930.8	1838.1	1814.9	1659.6	1452.5	1348.9	1283.1	1151.4	1052.5
140°	1853.4	1940.0	1853.4	1766.8	1745.2	1611.0	1432.1	1342.6	1284.4	1167.9	1080.6
142.5°	1789.4	1863.9	1789.4	1714.7	1696.1	1578.3	1421.2	1342.6	1289.1	1181.9	1101.5
145°	1693.2	1749.6	1693.2	1636.8	1622.8	1526.4	1397.8	1333.5	1289.1	1200.0	1133.2
147.5°	1619.5	1666.3	1619.5	1572.8	1561.1	1485.2	1384.1	1333.5	1297.9	1226.6	1173.1
150°	1573.1	1611.0	1573.1	1535.2	1525.7	1461.6	1376.3	1333.5	1302.5	1240.4	1193.9
152.5°	1533.3	1562.0	1533.3	1504.8	1497.6	1442.9	1370.0	1333.5	1305.5	1249.5	1207.6
155°	1487.7	1506.7	1487.7	1468.8	1464.1	1420.6	1362.5	1333.5	1312.2	1269.5	1237.4
157.5°	1451.8	1465.0	1451.8	1438.4	1435.1	1401.3	1356.1	1333.5	1318.8	1289.4	1267.4
160°	1430.1	1437.8	1430.1	1422.5	1420.6	1391.6	1352.9	1333.5	1321.8	1298.5	1280.9
162.5°	1416.0	1423.3	1416.0	1408.8	1407.0	1382.5	1349.8	1333.5	1325.1	1308.1	1295.5
165°	1395.7	1403.3	1395.7	1388.1	1386.2	1368.6	1345.3	1333.5	1329.7	1322.0	1316.3
167.5°	1381.1	1384.3	1381.1	1377.8	1377.0	1365.6	1350.3	1342.6	1339.4	1333.0	1328.1
170°	1377.0	1377.0	1377.0	1377.0	1377.0	1365.6	1350.3	1342.6	1342.5	1342.0	1341.7
172.5°	1366.3	1363.5	1366.3	1369.1	1369.8	1360.8	1348.7	1342.6	1342.6	1342.6	1342.6
175°	1359.8	1359.8	1359.8	1359.8	1359.8	1354.1	1346.4	1342.6	1344.5	1348.1	1350.8
177.5°	1354.0	1350.8	1354.0	1357.3	1358.1	1353.5	1347.4	1344.4	1345.8	1348.7	1350.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P936189

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2636.6	2621.7	2621.7	2597.2	2587.3	2580.0	2567.7	2530.7	2521.0	2511.1	2525.8
5°	2658.6	2631.6	2611.9	2567.7	2530.7	2516.0	2469.3	2380.7	2321.7	2277.4	2252.8
7.5°	2663.6	2629.1	2592.3	2523.4	2434.8	2395.5	2252.8	2090.5	2046.2	2006.9	1982.3
10°	2658.6	2619.3	2567.7	2464.4	2255.3	2186.5	2043.8	1938.0	1911.0	1903.6	1911.0
12.5°	2641.4	2604.6	2533.3	2361.1	2068.4	2021.6	1938.0	1876.6	1871.6	1883.9	1950.3
15°	2611.9	2577.4	2493.9	2223.4	1965.1	1930.6	1871.6	1849.5	1876.6	1962.6	2161.8
17.5°	2582.4	2543.0	2439.7	2088.1	1886.4	1861.8	1820.0	1864.3	2016.8	2132.3	2198.8
20°	2543.0	2496.3	2378.3	1989.6	1829.9	1807.7	1788.0	1987.2	2102.8	2144.6	2181.5
22.5°	2496.3	2447.1	2294.7	1920.8	1770.8	1753.6	1765.9	2056.1	2102.8	2132.3	2164.3
25°	2434.8	2393.0	2196.2	1866.7	1724.0	1704.4	1751.1	2048.8	2075.8	2083.2	2147.1
27.5°	2378.3	2324.1	2092.9	1817.6	1667.5	1660.1	1763.4	2016.8	2036.5	2043.8	2112.6
30°	2309.4	2228.2	1977.3	1765.9	1608.4	1606.0	1765.9	1977.3	1972.5	1992.2	2061.0
32.5°	2238.1	2085.6	1847.0	1702.0	1552.0	1549.4	1748.7	1918.3	1913.5	1940.5	1992.2
35°	2171.7	1974.9	1670.0	1628.1	1480.5	1483.1	1706.9	1849.5	1852.0	1876.6	1908.5
37.5°	2102.8	1879.0	1475.7	1547.0	1411.7	1411.7	1650.3	1785.6	1780.6	1788.0	1832.3
40°	2021.6	1729.0	1303.5	1441.2	1347.8	1340.4	1581.4	1716.7	1699.4	1697.0	1758.5
42.5°	1935.6	1564.2	1175.6	1301.1	1273.9	1264.2	1497.8	1633.1	1601.1	1608.4	1687.1
45°	1842.1	1520.0	1077.2	1099.3	1197.8	1190.3	1406.8	1537.1	1515.0	1534.7	1615.8
47.5°	1748.7	1431.4	1045.3	912.4	1116.6	1114.2	1305.9	1443.7	1431.4	1451.1	1537.1
50°	1620.7	1333.1	1042.8	782.1	1025.6	1035.4	1185.5	1352.7	1352.7	1369.9	1460.9
52.5°	1456.0	1212.5	946.9	708.3	919.9	949.3	1079.7	1273.9	1278.9	1296.1	1377.2
55°	1305.9	1087.0	878.0	651.7	794.4	858.3	976.4	1192.8	1202.6	1219.9	1293.6
57.5°	1168.2	905.0	863.3	585.4	678.8	740.3	885.4	1114.2	1119.0	1133.8	1205.1
60°	1020.6	654.2	792.0	514.1	578.0	624.7	801.8	1020.6	1037.9	1047.7	1109.2
62.5°	853.4	474.7	718.1	464.8	528.8	538.6	733.0	932.1	954.3	961.6	998.6
65°	607.5	398.5	610.0	423.1	477.1	479.6	659.1	841.1	860.8	873.1	900.2
67.5°	410.8	324.6	464.8	383.6	437.8	440.2	587.8	735.4	762.4	772.3	789.4
70°	285.3	216.5	344.3	341.9	393.5	398.5	511.5	639.4	664.1	671.4	681.3
72.5°	209.0	174.6	285.3	307.5	346.8	351.7	432.9	531.2	555.8	563.2	568.1
75°	159.9	184.5	231.2	268.1	295.2	297.6	354.2	432.9	450.1	455.0	457.5
77.5°	127.9	172.2	169.7	216.5	241.0	236.1	277.9	334.5	349.2	349.2	349.2
80°	95.9	135.3	127.9	154.9	177.0	172.2	199.2	238.6	243.5	248.4	245.9
82.5°	71.3	86.0	86.0	98.4	118.0	113.2	132.8	154.9	154.9	154.9	159.9
85°	44.3	49.2	39.3	51.6	66.4	64.0	73.7	83.6	86.0	86.0	81.2
87.5°	27.0	22.1	12.3	19.7	29.6	29.6	34.4	36.9	34.4	34.4	34.4
90°	23.5	16.4	9.1	16.4	23.5	25.4	39.9	59.2	68.9	61.2	45.9
92.5°	159.6	97.9	36.2	97.9	159.6	175.0	246.0	340.7	388.0	340.0	244.2
95°	312.7	199.8	87.0	199.8	312.7	340.9	605.3	957.9	1134.1	1012.0	767.8
97.5°	349.5	250.0	150.5	250.0	349.5	374.4	815.3	1403.2	1697.1	1620.0	1465.6
100°	379.9	289.7	199.4	289.7	379.9	402.5	891.8	1544.1	1870.3	1875.9	1887.2
102.5°	409.6	325.4	241.2	325.4	409.6	430.6	926.8	1588.4	1919.2	2017.5	2214.1
105°	454.5	383.1	311.8	383.1	454.5	472.3	952.8	1593.4	1913.8	2134.1	2574.9
107.5°	517.3	450.9	384.4	450.9	517.3	533.9	957.6	1522.5	1805.0	2112.4	2727.3
110°	553.4	493.4	433.3	493.4	553.4	568.4	950.4	1459.6	1714.3	2058.0	2745.4



TEST NUMBER: P936189

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	595.7	538.6	481.4	538.6	595.7	610.1	950.7	1404.8	1631.8	1983.5	2687.0
115°	659.5	606.7	553.9	606.7	659.5	672.7	959.4	1341.8	1533.0	1871.8	2549.5
117.5°	721.4	673.5	625.5	673.5	721.4	733.4	977.3	1302.4	1465.0	1770.8	2382.4
120°	757.6	712.4	667.3	712.4	757.6	768.8	991.8	1289.2	1437.8	1717.3	2276.1
122.5°	799.1	753.6	708.0	753.6	799.1	810.5	1012.6	1282.2	1417.0	1668.6	2171.8
125°	853.6	812.0	770.5	812.0	853.6	864.0	1040.7	1276.5	1394.3	1608.1	2035.5
127.5°	905.1	863.2	821.3	863.2	905.1	915.6	1068.8	1273.1	1375.2	1558.7	1925.8
130°	938.9	893.7	848.6	893.7	938.9	950.1	1089.4	1275.2	1368.0	1531.4	1858.2
132.5°	967.0	921.8	876.7	921.8	967.0	978.2	1106.0	1276.5	1361.6	1507.9	1800.4
135°	1000.6	959.4	918.3	959.4	1000.6	1010.9	1124.1	1275.2	1350.8	1473.3	1718.2
137.5°	1042.4	1001.7	961.0	1001.7	1042.4	1052.5	1151.4	1283.1	1348.9	1452.5	1659.6
140°	1071.2	1033.8	996.3	1033.8	1071.2	1080.6	1167.9	1284.4	1342.6	1432.1	1611.0
142.5°	1092.8	1058.1	1023.5	1058.1	1092.8	1101.5	1181.9	1289.1	1342.6	1421.2	1578.3
145°	1125.7	1095.5	1065.2	1095.5	1125.7	1133.2	1200.0	1289.1	1333.5	1397.8	1526.4
147.5°	1165.7	1136.3	1106.9	1136.3	1165.7	1173.1	1226.6	1297.9	1333.5	1384.1	1485.2
150°	1187.2	1160.7	1134.1	1160.7	1187.2	1193.9	1240.4	1302.5	1333.5	1376.3	1461.6
152.5°	1202.5	1182.4	1162.2	1182.4	1202.5	1207.6	1249.5	1305.5	1333.5	1370.0	1442.9
155°	1233.7	1218.8	1203.9	1218.8	1233.7	1237.4	1269.5	1312.2	1333.5	1362.5	1420.6
157.5°	1263.8	1249.2	1234.7	1249.2	1263.8	1267.4	1289.4	1318.8	1333.5	1356.1	1401.3
160°	1278.1	1266.9	1255.6	1266.9	1278.1	1280.9	1298.5	1321.8	1333.5	1352.9	1391.6
162.5°	1293.3	1284.9	1276.5	1284.9	1293.3	1295.5	1308.1	1325.1	1333.5	1349.8	1382.5
165°	1314.4	1306.8	1299.1	1306.8	1314.4	1316.3	1322.0	1329.7	1333.5	1345.3	1368.6
167.5°	1327.2	1323.6	1320.0	1323.6	1327.2	1328.1	1333.0	1339.4	1342.6	1350.3	1365.6
170°	1340.8	1337.1	1333.5	1337.1	1340.8	1341.7	1342.0	1342.5	1342.6	1350.3	1365.6
172.5°	1342.5	1341.6	1340.8	1341.6	1342.5	1342.6	1342.6	1342.6	1342.6	1348.7	1360.8
175°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1348.1	1344.5	1342.6	1346.4	1354.1
177.5°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1348.7	1345.8	1344.4	1347.4	1353.5
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P936189

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2508.6	2501.3	2511.1	2484.0	2511.1	2501.3	2508.6	2525.8	2511.1	2521.0	2530.7
5°	2201.2	2188.9	2149.5	2117.6	2149.5	2188.9	2201.2	2252.8	2277.4	2321.7	2380.7
7.5°	1967.6	1957.7	1947.9	1928.2	1947.9	1957.7	1967.6	1982.3	2006.9	2046.2	2090.5
10°	1915.9	1918.3	1933.2	1930.6	1933.2	1918.3	1915.9	1911.0	1903.6	1911.0	1938.0
12.5°	2048.8	2070.8	2152.1	2147.1	2152.1	2070.8	2048.8	1950.3	1883.9	1871.6	1876.6
15°	2201.2	2208.5	2225.8	2228.2	2225.8	2208.5	2201.2	2161.8	1962.6	1876.6	1849.5
17.5°	2215.9	2218.4	2230.7	2230.7	2230.7	2218.4	2215.9	2198.8	2132.3	2016.8	1864.3
20°	2203.7	2208.5	2233.2	2238.1	2233.2	2208.5	2203.7	2181.5	2144.6	2102.8	1987.2
22.5°	2198.8	2208.5	2228.2	2225.8	2228.2	2208.5	2198.8	2164.3	2132.3	2102.8	2056.1
25°	2174.1	2174.1	2176.6	2179.1	2176.6	2174.1	2174.1	2147.1	2083.2	2075.8	2048.8
27.5°	2122.5	2127.4	2142.2	2139.7	2142.2	2127.4	2122.5	2112.6	2043.8	2036.5	2016.8
30°	2075.8	2070.8	2058.5	2048.8	2058.5	2070.8	2075.8	2061.0	1992.2	1972.5	1977.3
32.5°	1997.1	1984.8	1972.5	1965.1	1972.5	1984.8	1997.1	1992.2	1940.5	1913.5	1918.3
35°	1903.6	1906.0	1903.6	1896.2	1903.6	1906.0	1903.6	1908.5	1876.6	1852.0	1849.5
37.5°	1837.2	1842.1	1839.6	1829.9	1839.6	1842.1	1837.2	1832.3	1788.0	1780.6	1785.6
40°	1768.3	1770.8	1768.3	1761.0	1768.3	1770.8	1768.3	1758.5	1697.0	1699.4	1716.7
42.5°	1702.0	1699.4	1692.1	1687.1	1692.1	1699.4	1702.0	1687.1	1608.4	1601.1	1633.1
45°	1625.7	1628.1	1613.4	1606.0	1613.4	1628.1	1625.7	1615.8	1534.7	1515.0	1537.1
47.5°	1549.4	1549.4	1537.1	1529.8	1537.1	1549.4	1549.4	1537.1	1451.1	1431.4	1443.7
50°	1468.3	1465.8	1448.7	1446.1	1448.7	1465.8	1468.3	1460.9	1369.9	1352.7	1352.7
52.5°	1374.8	1374.8	1377.2	1382.2	1377.2	1374.8	1374.8	1377.2	1296.1	1278.9	1273.9
55°	1293.6	1296.1	1313.4	1318.2	1313.4	1296.1	1293.6	1293.6	1219.9	1202.6	1192.8
57.5°	1210.1	1210.1	1222.3	1222.3	1222.3	1210.1	1210.1	1205.1	1133.8	1119.0	1114.2
60°	1114.2	1119.0	1128.9	1126.5	1128.9	1119.0	1114.2	1109.2	1047.7	1037.9	1020.6
62.5°	1013.3	1018.2	1020.6	1015.7	1020.6	1018.2	1013.3	998.6	961.6	954.3	932.1
65°	907.6	912.4	914.9	910.0	914.9	912.4	907.6	900.2	873.1	860.8	841.1
67.5°	799.3	796.8	794.4	804.3	794.4	796.8	799.3	789.4	772.3	762.4	735.4
70°	688.7	688.7	686.1	691.1	686.1	688.7	688.7	681.3	671.4	664.1	639.4
72.5°	570.5	568.1	578.0	570.5	578.0	568.1	570.5	568.1	563.2	555.8	531.2
75°	455.0	459.9	455.0	462.4	455.0	459.9	455.0	457.5	455.0	450.1	432.9
77.5°	346.8	351.7	346.8	346.8	346.8	351.7	346.8	349.2	349.2	349.2	334.5
80°	245.9	243.5	243.5	241.0	243.5	243.5	245.9	245.9	248.4	243.5	238.6
82.5°	157.4	154.9	154.9	159.9	154.9	154.9	157.4	159.9	154.9	154.9	154.9
85°	86.0	88.6	83.6	83.6	83.6	88.6	86.0	81.2	86.0	86.0	83.6
87.5°	32.0	29.6	29.6	29.6	29.6	29.6	32.0	34.4	34.4	34.4	36.9
90°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	45.9	61.2	68.9	59.2
92.5°	172.3	165.4	138.0	110.6	138.0	165.4	172.3	244.2	340.0	388.0	340.7
95°	584.7	564.0	480.9	398.0	480.9	564.0	584.7	767.8	1012.0	1134.1	957.9
97.5°	1349.9	1310.4	1152.4	994.5	1152.4	1310.4	1349.9	1465.6	1620.0	1697.1	1403.2
100°	1895.7	1848.7	1660.5	1472.3	1660.5	1848.7	1895.7	1887.2	1875.9	1870.3	1544.1
102.5°	2361.5	2321.2	2160.1	1999.0	2160.1	2321.2	2361.5	2214.1	2017.5	1919.2	1588.4
105°	2905.5	2883.8	2797.2	2710.6	2797.2	2883.8	2905.5	2574.9	2134.1	1913.8	1593.4
107.5°	3188.4	3193.6	3214.6	3235.5	3214.6	3193.6	3188.4	2727.3	2112.4	1805.0	1522.5
110°	3260.9	3283.5	3373.7	3464.0	3373.7	3283.5	3260.9	2745.4	2058.0	1714.3	1459.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3214.7	3249.3	3387.9	3526.5	3387.9	3249.3	3214.7	2687.0	1983.5	1631.8	1404.8
115°	3057.8	3105.8	3298.0	3490.2	3298.0	3105.8	3057.8	2549.5	1871.8	1533.0	1341.8
117.5°	2841.1	2894.4	3107.6	3320.8	3107.6	2894.4	2841.1	2382.4	1770.8	1465.0	1302.4
120°	2695.2	2746.9	2954.1	3161.2	2954.1	2746.9	2695.2	2276.1	1717.3	1437.8	1289.2
122.5°	2549.2	2600.3	2804.6	3008.8	2804.6	2600.3	2549.2	2171.8	1668.6	1417.0	1282.2
125°	2356.1	2403.1	2591.3	2779.5	2591.3	2403.1	2356.1	2035.5	1608.1	1394.3	1276.5
127.5°	2201.1	2240.8	2399.5	2558.4	2399.5	2240.8	2201.1	1925.8	1558.7	1375.2	1273.1
130°	2103.2	2139.8	2286.5	2433.2	2286.5	2139.8	2103.2	1858.2	1531.4	1368.0	1275.2
132.5°	2019.8	2052.6	2183.9	2315.3	2183.9	2052.6	2019.8	1800.4	1507.9	1361.6	1276.5
135°	1902.0	1930.2	2043.5	2156.7	2043.5	1930.2	1902.0	1718.2	1473.3	1350.8	1275.2
137.5°	1814.9	1838.1	1930.8	2023.5	1930.8	1838.1	1814.9	1659.6	1452.5	1348.9	1283.1
140°	1745.2	1766.8	1853.4	1940.0	1853.4	1766.8	1745.2	1611.0	1432.1	1342.6	1284.4
142.5°	1696.1	1714.7	1789.4	1863.9	1789.4	1714.7	1696.1	1578.3	1421.2	1342.6	1289.1
145°	1622.8	1636.8	1693.2	1749.6	1693.2	1636.8	1622.8	1526.4	1397.8	1333.5	1289.1
147.5°	1561.1	1572.8	1619.5	1666.3	1619.5	1572.8	1561.1	1485.2	1384.1	1333.5	1297.9
150°	1525.7	1535.2	1573.1	1611.0	1573.1	1535.2	1525.7	1461.6	1376.3	1333.5	1302.5
152.5°	1497.6	1504.8	1533.3	1562.0	1533.3	1504.8	1497.6	1442.9	1370.0	1333.5	1305.5
155°	1464.1	1468.8	1487.7	1506.7	1487.7	1468.8	1464.1	1420.6	1362.5	1333.5	1312.2
157.5°	1435.1	1438.4	1451.8	1465.0	1451.8	1438.4	1435.1	1401.3	1356.1	1333.5	1318.8
160°	1420.6	1422.5	1430.1	1437.8	1430.1	1422.5	1420.6	1391.6	1352.9	1333.5	1321.8
162.5°	1407.0	1408.8	1416.0	1423.3	1416.0	1408.8	1407.0	1382.5	1349.8	1333.5	1325.1
165°	1386.2	1388.1	1395.7	1403.3	1395.7	1388.1	1386.2	1368.6	1345.3	1333.5	1329.7
167.5°	1377.0	1377.8	1381.1	1384.3	1381.1	1377.8	1377.0	1365.6	1350.3	1342.6	1339.4
170°	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1365.6	1350.3	1342.6	1342.5
172.5°	1369.8	1369.1	1366.3	1363.5	1366.3	1369.1	1369.8	1360.8	1348.7	1342.6	1342.6
175°	1359.8	1359.8	1359.8	1359.8	1359.8	1359.8	1359.8	1354.1	1346.4	1342.6	1344.5
177.5°	1358.1	1357.3	1354.0	1350.8	1354.0	1357.3	1358.1	1353.5	1347.4	1344.4	1345.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2567.7	2580.0	2587.3	2597.2	2621.7
5°	2469.3	2516.0	2530.7	2567.7	2611.9
7.5°	2252.8	2395.5	2434.8	2523.4	2592.3
10°	2043.8	2186.5	2255.3	2464.4	2567.7
12.5°	1938.0	2021.6	2068.4	2361.1	2533.3
15°	1871.6	1930.6	1965.1	2223.4	2493.9
17.5°	1820.0	1861.8	1886.4	2088.1	2439.7
20°	1788.0	1807.7	1829.9	1989.6	2378.3
22.5°	1765.9	1753.6	1770.8	1920.8	2294.7
25°	1751.1	1704.4	1724.0	1866.7	2196.2
27.5°	1763.4	1660.1	1667.5	1817.6	2092.9
30°	1765.9	1606.0	1608.4	1765.9	1977.3
32.5°	1748.7	1549.4	1552.0	1702.0	1847.0
35°	1706.9	1483.1	1480.5	1628.1	1670.0
37.5°	1650.3	1411.7	1411.7	1547.0	1475.7
40°	1581.4	1340.4	1347.8	1441.2	1303.5
42.5°	1497.8	1264.2	1273.9	1301.1	1175.6
45°	1406.8	1190.3	1197.8	1099.3	1077.2
47.5°	1305.9	1114.2	1116.6	912.4	1045.3
50°	1185.5	1035.4	1025.6	782.1	1042.8
52.5°	1079.7	949.3	919.9	708.3	946.9
55°	976.4	858.3	794.4	651.7	878.0
57.5°	885.4	740.3	678.8	585.4	863.3
60°	801.8	624.7	578.0	514.1	792.0
62.5°	733.0	538.6	528.8	464.8	718.1
65°	659.1	479.6	477.1	423.1	610.0
67.5°	587.8	440.2	437.8	383.6	464.8
70°	511.5	398.5	393.5	341.9	344.3
72.5°	432.9	351.7	346.8	307.5	285.3
75°	354.2	297.6	295.2	268.1	231.2
77.5°	277.9	236.1	241.0	216.5	169.7
80°	199.2	172.2	177.0	154.9	127.9
82.5°	132.8	113.2	118.0	98.4	86.0
85°	73.7	64.0	66.4	51.6	39.3
87.5°	34.4	29.6	29.6	19.7	12.3
90°	39.9	25.4	23.5	16.4	9.1
92.5°	246.0	175.0	159.6	97.9	36.2
95°	605.3	340.9	312.7	199.8	87.0
97.5°	815.3	374.4	349.5	250.0	150.5
100°	891.8	402.5	379.9	289.7	199.4
102.5°	926.8	430.6	409.6	325.4	241.2
105°	952.8	472.3	454.5	383.1	311.8
107.5°	957.6	533.9	517.3	450.9	384.4
110°	950.4	568.4	553.4	493.4	433.3



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CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	950.7	610.1	595.7	538.6	481.4
115°	959.4	672.7	659.5	606.7	553.9
117.5°	977.3	733.4	721.4	673.5	625.5
120°	991.8	768.8	757.6	712.4	667.3
122.5°	1012.6	810.5	799.1	753.6	708.0
125°	1040.7	864.0	853.6	812.0	770.5
127.5°	1068.8	915.6	905.1	863.2	821.3
130°	1089.4	950.1	938.9	893.7	848.6
132.5°	1106.0	978.2	967.0	921.8	876.7
135°	1124.1	1010.9	1000.6	959.4	918.3
137.5°	1151.4	1052.5	1042.4	1001.7	961.0
140°	1167.9	1080.6	1071.2	1033.8	996.3
142.5°	1181.9	1101.5	1092.8	1058.1	1023.5
145°	1200.0	1133.2	1125.7	1095.5	1065.2
147.5°	1226.6	1173.1	1165.7	1136.3	1106.9
150°	1240.4	1193.9	1187.2	1160.7	1134.1
152.5°	1249.5	1207.6	1202.5	1182.4	1162.2
155°	1269.5	1237.4	1233.7	1218.8	1203.9
157.5°	1289.4	1267.4	1263.8	1249.2	1234.7
160°	1298.5	1280.9	1278.1	1266.9	1255.6
162.5°	1308.1	1295.5	1293.3	1284.9	1276.5
165°	1322.0	1316.3	1314.4	1306.8	1299.1
167.5°	1333.0	1328.1	1327.2	1323.6	1320.0
170°	1342.0	1341.7	1340.8	1337.1	1333.5
172.5°	1342.6	1342.6	1342.5	1341.6	1340.8
175°	1348.1	1350.8	1350.8	1350.8	1350.8
177.5°	1348.7	1350.8	1350.8	1350.8	1350.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8



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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	13.82	14.63	14.83	15.65	17.01	16.65	17.45	17.66	18.47	19.83
	3H	14.30	15.02	15.32	16.05	17.43	17.99	18.71	19.01	19.74	21.12
	4H	14.48	15.17	15.52	16.20	17.59	18.43	19.11	19.46	20.14	21.53
	6H	14.60	15.23	15.64	16.27	17.67	18.71	19.34	19.75	20.37	21.77
	8H	14.60	15.20	15.65	16.25	17.65	18.78	19.38	19.83	20.43	21.83
	12H	14.57	15.14	15.62	16.18	17.61	18.82	19.38	19.87	20.43	21.85
4H	2H	14.85	15.53	15.89	16.56	17.95	17.05	17.73	18.09	18.77	20.15
	3H	15.87	16.44	16.92	17.50	18.90	18.55	19.12	19.60	20.18	21.58
	4H	16.14	16.66	17.20	17.72	19.14	19.07	19.59	20.13	20.65	22.07
	6H	16.26	16.71	17.33	17.79	19.21	19.43	19.88	20.50	20.96	22.38
	8H	16.27	16.69	17.33	17.75	19.19	19.54	19.96	20.60	21.02	22.46
	12H	16.23	16.61	17.32	17.69	19.13	19.59	19.97	20.67	21.05	22.49
8H	4H	16.59	17.01	17.66	18.08	19.51	19.19	19.61	20.26	20.68	22.11
	6H	16.85	17.20	17.94	18.31	19.74	19.63	19.97	20.71	21.08	22.51
	8H	16.89	17.20	17.99	18.29	19.74	19.78	20.08	20.87	21.17	22.62
	12H	16.87	17.14	17.97	18.23	19.72	19.87	20.14	20.97	21.23	22.72
12H	4H	16.59	16.97	17.68	18.05	19.49	19.15	19.53	20.24	20.61	22.05
	6H	16.91	17.21	18.01	18.31	19.76	19.62	19.93	20.72	21.02	22.47
	8H	16.97	17.24	18.07	18.33	19.82	19.78	20.05	20.88	21.14	22.63