

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: P936188

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936188
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-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

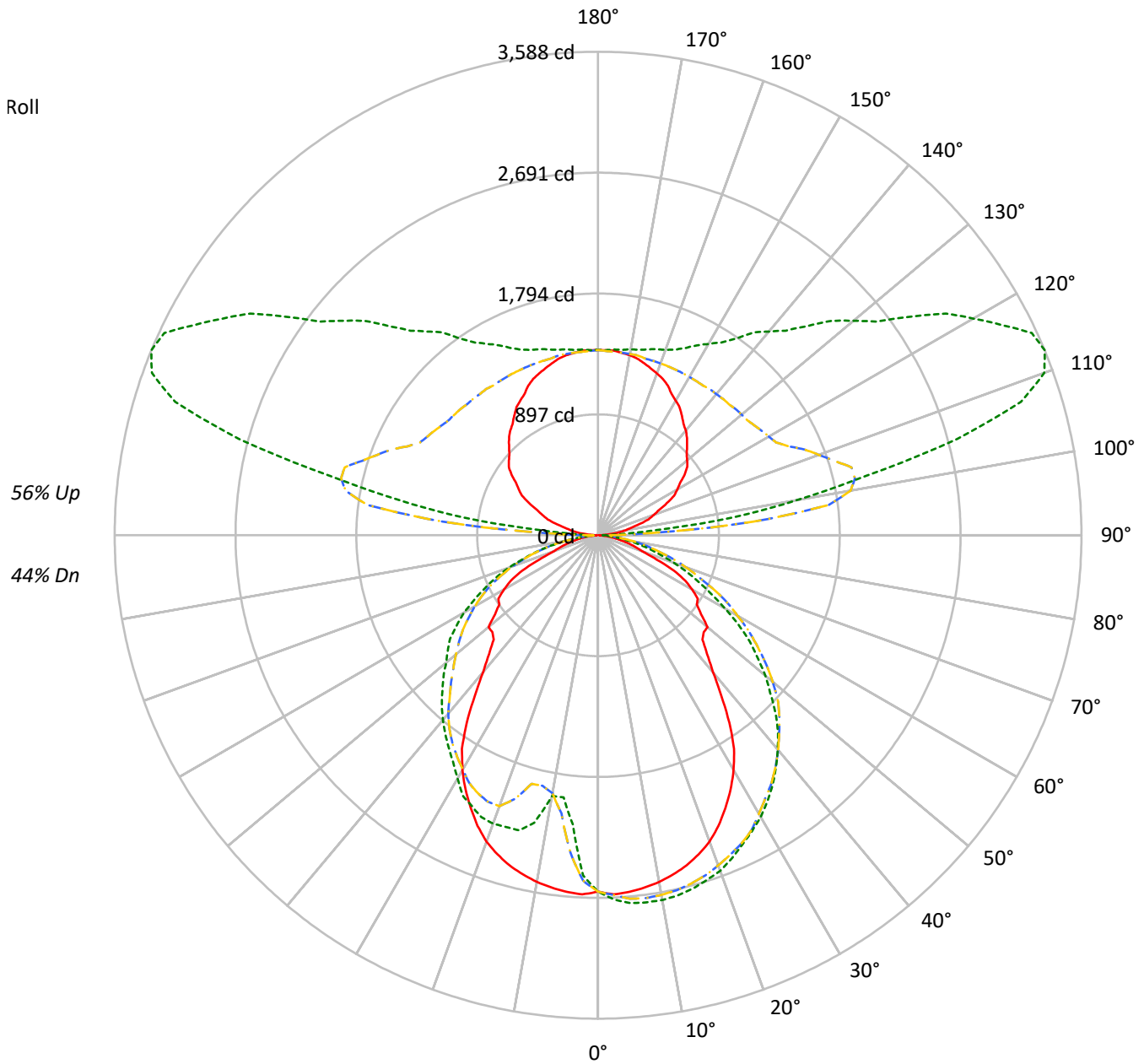
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15774.1 lumens
Efficiency: N/A
Efficacy: 126.4 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°	16364	16364	16364	16364
5°	16480	16518	16480	12988
10°	16364	16272	16364	11633
15°	16180	15919	16180	13292
20°	15835	15502	15835	13321
25°	15136	14892	15136	13038
30°	14235	14387	14235	12419
35°	12685	13747	12685	11737
40°	10564	12994	10564	11223
45°	9432	12113	9432	10631
50°	10013	11061	10013	10037
55°	9412	9928	9412	9694
60°	9691	8432	9691	8878
65°	8772	6970	8772	7792
70°	6058	5555	6058	6531
75°	5295	4106	5295	4917
80°	4238	2714	4238	2955
85°	2385	1438	2385	1222

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14466 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.8	1.5
10°-20°	678.0	4.3
20°-30°	1048.0	6.6
30°-40°	1251.1	7.9
40°-50°	1258.4	8.0
50°-60°	1095.0	6.9
60°-70°	776.4	4.9
70°-80°	410.7	2.6
80°-90°	107.5	0.7
90°-100°	670.0	4.2
100°-110°	1761.4	11.2
110°-120°	1826.4	11.6
120°-130°	1465.0	9.3
130°-140°	1149.5	7.3
140°-150°	882.3	5.6
150°-160°	635.4	4.0
160°-170°	388.8	2.5
170°-180°	131.3	0.8
0°-30°	1964.7	12.5
0°-40°	3215.8	20.4
0°-60°	5569.2	35.3
0°-90°	6863.9	43.5
90°-120°	4257.9	27.0
90°-150°	7754.7	49.2
90°-180°	8910.0	56.5
0°-180°	15774.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2645	2645	2645	2645	2645	
5°	2658	2740	2658	2155	2658	252
15°	2538	2715	2538	2267	2538	714
25°	2235	2533	2235	2217	2235	1026
35°	1699	2260	1699	1930	1699	1051
45°	1096	1862	1096	1634	1096	878
55°	893	1374	893	1341	893	821
65°	621	828	621	926	621	593
75°	235	393	235	470	235	247
85°	40	100	40	85	40	54
90°	9	35	9	35	9	9
95°	88	405	88	405	88	98
105°	317	2758	317	2758	317	336
115°	564	3552	564	3552	564	557
125°	784	2828	784	2828	784	696
135°	934	2194	934	2194	934	723
145°	1084	1780	1084	1780	1084	679
155°	1225	1533	1225	1533	1225	563
165°	1322	1428	1322	1428	1322	373
175°	1374	1384	1374	1384	1374	130
180°	1374	1374	1374	1374	1374	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2667.7	2667.7	2682.8	2687.7	2687.7	2680.2	2672.8	2680.2	2702.8	2710.3	2707.8
5°	2657.8	2677.8	2705.3	2710.3	2715.3	2712.8	2707.8	2712.8	2737.8	2742.9	2745.3
7.5°	2637.7	2675.2	2710.3	2717.8	2725.3	2717.8	2715.3	2720.3	2745.3	2750.3	2750.3
10°	2612.7	2665.3	2705.3	2710.3	2717.8	2710.3	2710.3	2720.3	2745.3	2750.3	2752.8
12.5°	2577.7	2650.3	2687.7	2692.8	2702.8	2700.3	2697.8	2707.8	2732.8	2737.8	2737.8
15°	2537.7	2622.7	2657.8	2662.8	2680.2	2675.2	2675.2	2685.3	2712.8	2720.3	2717.8
17.5°	2482.6	2587.7	2627.7	2635.2	2647.7	2645.2	2647.7	2657.8	2682.8	2687.7	2690.3
20°	2420.0	2540.1	2587.7	2595.2	2607.7	2607.7	2607.7	2620.2	2645.2	2655.2	2655.2
22.5°	2334.9	2490.0	2540.1	2545.2	2560.1	2560.1	2565.2	2582.6	2605.2	2607.7	2607.7
25°	2234.8	2435.0	2477.5	2492.6	2507.6	2515.1	2522.6	2532.6	2540.1	2537.7	2540.1
27.5°	2129.7	2364.9	2420.0	2430.0	2450.0	2457.5	2467.6	2470.0	2472.6	2480.1	2475.1
30°	2012.0	2267.3	2349.9	2359.9	2392.4	2397.5	2387.5	2392.4	2405.0	2410.0	2415.0
32.5°	1879.4	2122.2	2277.4	2299.8	2329.9	2314.9	2312.4	2319.9	2339.9	2339.9	2344.9
35°	1699.3	2009.6	2209.8	2229.8	2252.3	2234.8	2244.8	2247.3	2259.8	2267.3	2264.8
37.5°	1501.6	1912.0	2139.7	2154.7	2172.3	2149.7	2164.8	2172.3	2182.2	2177.3	2177.3
40°	1326.4	1759.3	2057.1	2067.1	2082.1	2064.6	2079.7	2084.7	2089.6	2084.7	2082.1
42.5°	1196.2	1591.6	1969.5	1982.1	1972.0	1984.5	1989.6	1999.6	1992.0	1982.1	1982.1
45°	1096.1	1546.6	1874.4	1889.5	1874.4	1894.5	1902.0	1902.0	1879.4	1874.4	1871.9
47.5°	1063.6	1456.5	1779.3	1779.3	1771.8	1796.9	1809.4	1791.9	1769.3	1761.8	1761.8
50°	1061.1	1356.4	1649.2	1639.2	1674.2	1704.3	1691.8	1674.2	1656.7	1629.2	1629.2
52.5°	963.5	1233.8	1481.6	1519.0	1574.1	1591.6	1571.6	1554.1	1524.1	1511.5	1501.6
55°	893.4	1106.1	1328.8	1404.0	1461.5	1484.0	1446.5	1429.0	1383.9	1376.5	1371.4
57.5°	878.4	920.9	1188.7	1283.9	1353.9	1351.4	1328.8	1296.3	1258.8	1251.3	1248.8
60°	805.9	665.6	1038.6	1151.2	1223.7	1216.2	1196.2	1166.2	1131.1	1126.2	1121.2
62.5°	730.7	483.0	868.4	996.1	1098.6	1096.1	1078.6	1033.5	1008.6	996.1	986.0
65°	620.7	405.4	618.1	828.3	976.0	981.0	943.5	911.0	883.5	868.4	865.9
67.5°	473.0	330.3	418.0	690.7	858.4	853.4	805.9	790.8	755.8	748.3	733.3
70°	350.3	220.3	290.3	560.5	743.2	730.7	693.3	675.7	643.2	625.6	615.7
72.5°	290.3	177.7	212.7	435.4	625.6	610.6	578.1	558.1	530.6	515.6	505.5
75°	235.3	187.7	162.7	322.8	508.0	498.0	468.0	447.9	425.5	405.4	407.9
77.5°	172.6	175.2	130.2	237.7	402.9	387.9	370.3	345.4	335.3	315.3	315.3
80°	130.2	137.6	97.6	162.7	290.3	290.3	275.3	257.7	240.3	230.2	230.2
82.5°	87.6	87.6	72.6	102.6	197.7	190.2	180.1	175.2	165.2	160.1	160.1
85°	40.0	50.1	45.1	62.6	107.6	112.6	112.6	107.6	105.1	100.1	102.6
87.5°	12.5	22.5	27.5	35.0	55.0	57.6	60.0	60.0	60.0	62.6	62.6
90°	9.3	16.7	24.0	25.8	40.6	60.2	70.1	62.3	46.7	35.1	35.1
92.5°	36.9	99.6	162.4	178.1	250.3	346.7	394.8	346.0	248.5	175.3	168.3
95°	88.5	203.3	318.2	346.9	616.0	974.7	1154.0	1029.8	781.3	595.0	573.9
97.5°	153.1	254.4	355.7	381.0	829.6	1427.8	1726.9	1648.4	1491.3	1373.6	1333.4
100°	202.9	294.8	386.6	409.6	907.4	1571.2	1903.1	1908.8	1920.3	1928.9	1881.1
102.5°	245.4	331.1	416.8	438.2	943.1	1616.3	1952.9	2052.9	2252.9	2403.0	2362.0
105°	317.3	389.9	462.4	480.6	969.5	1621.4	1947.4	2171.6	2620.1	2956.5	2934.4
107.5°	391.1	458.8	526.4	543.3	974.4	1549.2	1836.6	2149.5	2775.1	3244.3	3249.7
110°	440.9	502.1	563.1	578.4	967.1	1485.2	1744.3	2094.1	2793.5	3318.1	3341.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	489.8	548.0	606.2	620.8	967.4	1429.4	1660.4	2018.3	2734.2	3271.1	3306.4
115°	563.6	617.3	671.1	684.5	976.2	1365.3	1559.9	1904.7	2594.3	3111.4	3160.3
117.5°	636.5	685.3	734.1	746.3	994.5	1325.3	1490.7	1801.9	2424.2	2891.0	2945.2
120°	679.0	724.9	770.9	782.3	1009.2	1311.8	1463.0	1747.4	2316.0	2742.5	2795.1
122.5°	720.5	766.8	813.2	824.7	1030.4	1304.7	1441.8	1697.9	2209.9	2594.0	2645.9
125°	784.1	826.3	868.6	879.1	1059.0	1298.9	1418.8	1636.3	2071.2	2397.5	2445.3
127.5°	835.7	878.3	921.0	931.7	1087.6	1295.4	1399.3	1586.1	1959.6	2239.7	2280.1
130°	863.4	909.4	955.3	966.8	1108.6	1297.6	1392.0	1558.3	1890.8	2140.1	2177.4
132.5°	892.0	938.0	983.9	995.4	1125.4	1298.9	1385.5	1534.3	1832.0	2055.2	2088.6
135°	934.4	976.2	1018.1	1028.6	1143.9	1297.6	1374.5	1499.1	1748.4	1935.3	1964.1
137.5°	977.8	1019.2	1060.6	1071.0	1171.6	1305.6	1372.6	1478.0	1688.7	1846.8	1870.3
140°	1013.8	1052.0	1090.0	1099.6	1188.4	1306.9	1366.2	1457.2	1639.2	1775.8	1797.8
142.5°	1041.4	1076.7	1112.0	1120.8	1202.6	1311.7	1366.2	1446.2	1606.0	1725.9	1744.8
145°	1083.9	1114.7	1145.4	1153.1	1221.1	1311.7	1356.9	1422.3	1553.1	1651.3	1665.6
147.5°	1126.3	1156.3	1186.2	1193.7	1248.1	1320.6	1356.9	1408.4	1511.2	1588.4	1600.4
150°	1154.0	1181.0	1208.0	1214.9	1262.2	1325.4	1356.9	1400.4	1487.3	1552.5	1562.1
152.5°	1182.6	1203.1	1223.6	1228.8	1271.4	1328.4	1356.9	1394.0	1468.3	1523.9	1531.2
155°	1225.0	1240.2	1255.4	1259.1	1291.8	1335.2	1356.9	1386.4	1445.5	1489.7	1494.6
157.5°	1256.4	1271.2	1285.9	1289.6	1312.1	1341.9	1356.9	1379.9	1425.9	1460.3	1463.6
160°	1277.7	1289.1	1300.5	1303.4	1321.2	1345.0	1356.9	1376.7	1416.0	1445.5	1447.4
162.5°	1298.9	1307.4	1316.0	1318.2	1331.1	1348.4	1356.9	1373.5	1406.7	1431.7	1433.5
165°	1321.9	1329.7	1337.4	1339.4	1345.2	1353.0	1356.9	1368.9	1392.6	1410.5	1412.4
167.5°	1343.1	1346.8	1350.5	1351.4	1356.3	1362.9	1366.2	1374.0	1389.6	1401.2	1402.0
170°	1356.9	1360.6	1364.3	1365.2	1365.5	1366.0	1366.2	1374.0	1389.6	1401.2	1401.2
172.5°	1364.3	1365.1	1366.0	1366.2	1366.2	1366.2	1366.2	1372.3	1384.6	1393.8	1393.1
175°	1374.5	1374.5	1374.5	1374.5	1371.7	1368.1	1366.2	1370.0	1377.8	1383.7	1383.7
177.5°	1374.5	1374.5	1374.5	1374.5	1372.3	1369.5	1368.0	1371.0	1377.2	1381.9	1381.1
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2712.8	2705.3	2712.8	2707.8	2710.3	2702.8	2680.2	2672.8	2680.2	2687.7	2687.7
5°	2745.3	2740.3	2745.3	2745.3	2742.9	2737.8	2712.8	2707.8	2712.8	2715.3	2710.3
7.5°	2755.4	2747.9	2755.4	2750.3	2750.3	2745.3	2720.3	2715.3	2717.8	2725.3	2717.8
10°	2755.4	2747.9	2755.4	2752.8	2750.3	2745.3	2720.3	2710.3	2710.3	2717.8	2710.3
12.5°	2742.9	2737.8	2742.9	2737.8	2737.8	2732.8	2707.8	2697.8	2700.3	2702.8	2692.8
15°	2722.8	2715.3	2722.8	2717.8	2720.3	2712.8	2685.3	2675.2	2675.2	2680.2	2662.8
17.5°	2692.8	2682.8	2692.8	2690.3	2687.7	2682.8	2657.8	2647.7	2645.2	2647.7	2635.2
20°	2657.8	2650.3	2657.8	2655.2	2655.2	2645.2	2620.2	2607.7	2607.7	2607.7	2595.2
22.5°	2602.6	2595.2	2602.6	2607.7	2607.7	2605.2	2582.6	2565.2	2560.1	2560.1	2545.2
25°	2540.1	2532.6	2540.1	2540.1	2537.7	2540.1	2532.6	2522.6	2515.1	2507.6	2492.6
27.5°	2480.1	2475.1	2480.1	2475.1	2480.1	2472.6	2470.0	2467.6	2457.5	2450.0	2430.0
30°	2420.0	2415.0	2420.0	2415.0	2410.0	2405.0	2392.4	2387.5	2397.5	2392.4	2359.9
32.5°	2344.9	2339.9	2344.9	2344.9	2339.9	2339.9	2319.9	2312.4	2314.9	2329.9	2299.8
35°	2267.3	2259.8	2267.3	2264.8	2267.3	2259.8	2247.3	2244.8	2234.8	2252.3	2229.8
37.5°	2177.3	2169.7	2177.3	2177.3	2177.3	2182.2	2172.3	2164.8	2149.7	2172.3	2154.7
40°	2084.7	2074.6	2084.7	2082.1	2084.7	2089.6	2084.7	2079.7	2064.6	2082.1	2067.1
42.5°	1979.6	1977.0	1979.6	1982.1	1982.1	1992.0	1999.6	1989.6	1984.5	1972.0	1982.1
45°	1866.9	1862.0	1866.9	1871.9	1874.4	1879.4	1902.0	1902.0	1894.5	1874.4	1889.5
47.5°	1746.8	1734.3	1746.8	1761.8	1761.8	1769.3	1791.9	1809.4	1796.9	1771.8	1779.3
50°	1619.2	1621.7	1619.2	1629.2	1629.2	1656.7	1674.2	1691.8	1704.3	1674.2	1639.2
52.5°	1494.1	1491.5	1494.1	1501.6	1511.5	1524.1	1554.1	1571.6	1591.6	1574.1	1519.0
55°	1368.9	1373.9	1368.9	1371.4	1376.5	1383.9	1429.0	1446.5	1484.0	1461.5	1404.0
57.5°	1243.7	1236.2	1243.7	1248.8	1251.3	1258.8	1296.3	1328.8	1351.4	1353.9	1283.9
60°	1098.6	1088.6	1098.6	1121.2	1126.2	1131.1	1166.2	1196.2	1216.2	1223.7	1151.2
62.5°	971.0	953.5	971.0	986.0	996.1	1008.6	1033.5	1078.6	1096.1	1098.6	996.1
65°	835.8	828.3	835.8	865.9	868.4	883.5	911.0	943.5	981.0	976.0	828.3
67.5°	713.3	713.3	713.3	733.3	748.3	755.8	790.8	805.9	853.4	858.4	690.7
70°	600.6	598.1	600.6	615.7	625.6	643.2	675.7	693.3	730.7	743.2	560.5
72.5°	493.0	490.5	493.0	505.5	515.6	530.6	558.1	578.1	610.6	625.6	435.4
75°	397.9	392.9	397.9	407.9	405.4	425.5	447.9	468.0	498.0	508.0	322.8
77.5°	305.4	305.4	305.4	315.3	315.3	335.3	345.4	370.3	387.9	402.9	237.7
80°	227.8	225.2	227.8	230.2	230.2	240.3	257.7	275.3	290.3	290.3	162.7
82.5°	160.1	155.2	160.1	160.1	160.1	165.2	175.2	180.1	190.2	197.7	102.6
85°	100.1	100.1	100.1	102.6	100.1	105.1	107.6	112.6	112.6	107.6	62.6
87.5°	65.1	62.6	65.1	62.6	62.6	60.0	60.0	60.0	57.6	55.0	35.0
90°	35.1	35.1	35.1	35.1	35.1	46.7	62.3	70.1	60.2	40.6	25.8
92.5°	140.4	112.5	140.4	168.3	175.3	248.5	346.0	394.8	346.7	250.3	178.1
95°	489.4	405.0	489.4	573.9	595.0	781.3	1029.8	1154.0	974.7	616.0	346.9
97.5°	1172.6	1011.9	1172.6	1333.4	1373.6	1491.3	1648.4	1726.9	1427.8	829.6	381.0
100°	1689.6	1498.1	1689.6	1881.1	1928.9	1920.3	1908.8	1903.1	1571.2	907.4	409.6
102.5°	2198.0	2034.0	2198.0	2362.0	2403.0	2252.9	2052.9	1952.9	1616.3	943.1	438.2
105°	2846.3	2758.1	2846.3	2934.4	2956.5	2620.1	2171.6	1947.4	1621.4	969.5	480.6
107.5°	3271.0	3292.3	3271.0	3249.7	3244.3	2775.1	2149.5	1836.6	1549.2	974.4	543.3
110°	3432.9	3524.8	3432.9	3341.1	3318.1	2793.5	2094.1	1744.3	1485.2	967.1	578.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3447.4	3588.3	3447.4	3306.4	3271.1	2734.2	2018.3	1660.4	1429.4	967.4	620.8
115°	3355.9	3551.5	3355.9	3160.3	3111.4	2594.3	1904.7	1559.9	1365.3	976.2	684.5
117.5°	3162.1	3379.0	3162.1	2945.2	2891.0	2424.2	1801.9	1490.7	1325.3	994.5	746.3
120°	3005.9	3216.6	3005.9	2795.1	2742.5	2316.0	1747.4	1463.0	1311.8	1009.2	782.3
122.5°	2853.8	3061.6	2853.8	2645.9	2594.0	2209.9	1697.9	1441.8	1304.7	1030.4	824.7
125°	2636.8	2828.2	2636.8	2445.3	2397.5	2071.2	1636.3	1418.8	1298.9	1059.0	879.1
127.5°	2441.6	2603.2	2441.6	2280.1	2239.7	1959.6	1586.1	1399.3	1295.4	1087.6	931.7
130°	2326.7	2475.8	2326.7	2177.4	2140.1	1890.8	1558.3	1392.0	1297.6	1108.6	966.8
132.5°	2222.2	2355.9	2222.2	2088.6	2055.2	1832.0	1534.3	1385.5	1298.9	1125.4	995.4
135°	2079.4	2194.5	2079.4	1964.1	1935.3	1748.4	1499.1	1374.5	1297.6	1143.9	1028.6
137.5°	1964.7	2059.0	1964.7	1870.3	1846.8	1688.7	1478.0	1372.6	1305.6	1171.6	1071.0
140°	1885.9	1974.1	1885.9	1797.8	1775.8	1639.2	1457.2	1366.2	1306.9	1188.4	1099.6
142.5°	1820.7	1896.6	1820.7	1744.8	1725.9	1606.0	1446.2	1366.2	1311.7	1202.6	1120.8
145°	1722.9	1780.3	1722.9	1665.6	1651.3	1553.1	1422.3	1356.9	1311.7	1221.1	1153.1
147.5°	1647.9	1695.5	1647.9	1600.4	1588.4	1511.2	1408.4	1356.9	1320.6	1248.1	1193.7
150°	1600.7	1639.2	1600.7	1562.1	1552.5	1487.3	1400.4	1356.9	1325.4	1262.2	1214.9
152.5°	1560.2	1589.4	1560.2	1531.2	1523.9	1468.3	1394.0	1356.9	1328.4	1271.4	1228.8
155°	1513.8	1533.1	1513.8	1494.6	1489.7	1445.5	1386.4	1356.9	1335.2	1291.8	1259.1
157.5°	1477.2	1490.7	1477.2	1463.6	1460.3	1425.9	1379.9	1356.9	1341.9	1312.1	1289.6
160°	1455.2	1463.0	1455.2	1447.4	1445.5	1416.0	1376.7	1356.9	1345.0	1321.2	1303.4
162.5°	1440.8	1448.2	1440.8	1433.5	1431.7	1406.7	1373.5	1356.9	1348.4	1331.1	1318.2
165°	1420.1	1427.9	1420.1	1412.4	1410.5	1392.6	1368.9	1356.9	1353.0	1345.2	1339.4
167.5°	1405.3	1408.6	1405.3	1402.0	1401.2	1389.6	1374.0	1366.2	1362.9	1356.3	1351.4
170°	1401.2	1401.2	1401.2	1401.2	1401.2	1389.6	1374.0	1366.2	1366.0	1365.5	1365.2
172.5°	1390.3	1387.4	1390.3	1393.1	1393.8	1384.6	1372.3	1366.2	1366.2	1366.2	1366.2
175°	1383.7	1383.7	1383.7	1383.7	1383.7	1377.8	1370.0	1366.2	1368.1	1371.7	1374.5
177.5°	1377.7	1374.5	1377.7	1381.1	1381.9	1377.2	1371.0	1368.0	1369.5	1372.3	1374.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2682.8	2667.7	2667.7	2642.8	2632.7	2625.2	2612.7	2575.1	2565.2	2555.1	2570.1
5°	2705.3	2677.8	2657.8	2612.7	2575.1	2560.1	2512.6	2422.5	2362.5	2317.4	2292.4
7.5°	2710.3	2675.2	2637.7	2567.6	2477.5	2437.5	2292.4	2127.2	2082.1	2042.1	2017.1
10°	2705.3	2665.3	2612.7	2507.6	2294.9	2224.8	2079.7	1972.0	1944.5	1937.0	1944.5
12.5°	2687.7	2650.3	2577.7	2402.5	2104.7	2057.1	1972.0	1909.5	1904.5	1917.0	1984.5
15°	2657.8	2622.7	2537.7	2262.4	1999.6	1964.5	1904.5	1882.0	1909.5	1997.0	2199.8
17.5°	2627.7	2587.7	2482.6	2124.7	1919.4	1894.5	1851.9	1897.0	2052.2	2169.7	2237.3
20°	2587.7	2540.1	2420.0	2024.6	1862.0	1839.4	1819.4	2022.1	2139.7	2182.2	2219.8
22.5°	2540.1	2490.0	2334.9	1954.5	1801.8	1784.4	1796.9	2092.2	2139.7	2169.7	2202.2
25°	2477.5	2435.0	2234.8	1899.4	1754.3	1734.3	1781.8	2084.7	2112.2	2119.7	2184.8
27.5°	2420.0	2364.9	2129.7	1849.4	1696.7	1689.2	1794.3	2052.2	2072.2	2079.7	2149.7
30°	2349.9	2267.3	2012.0	1796.9	1636.7	1634.2	1796.9	2012.0	2007.1	2027.1	2097.1
32.5°	2277.4	2122.2	1879.4	1731.8	1579.2	1576.6	1779.3	1952.0	1947.1	1974.6	2027.1
35°	2209.8	2009.6	1699.3	1656.7	1506.5	1509.1	1736.8	1882.0	1884.4	1909.5	1942.0
37.5°	2139.7	1912.0	1501.6	1574.1	1436.5	1436.5	1679.3	1816.9	1811.9	1819.4	1864.4
40°	2057.1	1759.3	1326.4	1466.5	1371.4	1363.9	1609.2	1746.8	1729.2	1726.8	1789.4
42.5°	1969.5	1591.6	1196.2	1323.9	1296.3	1286.3	1524.1	1661.7	1629.2	1636.7	1716.7
45°	1874.4	1546.6	1096.1	1118.6	1218.8	1211.2	1431.5	1564.1	1541.6	1561.6	1644.2
47.5°	1779.3	1456.5	1063.6	928.4	1136.2	1133.7	1328.8	1469.0	1456.5	1476.5	1564.1
50°	1649.2	1356.4	1061.1	795.8	1043.6	1053.5	1206.3	1376.5	1376.5	1393.9	1486.5
52.5°	1481.6	1233.8	963.5	720.8	936.0	966.0	1098.6	1296.3	1301.3	1318.9	1401.4
55°	1328.8	1106.1	893.4	663.2	808.3	873.4	993.5	1213.8	1223.7	1241.3	1316.3
57.5°	1188.7	920.9	878.4	595.6	690.7	753.3	900.9	1133.7	1138.6	1153.7	1226.3
60°	1038.6	665.6	805.9	523.1	588.1	635.7	815.8	1038.6	1056.1	1066.1	1128.7
62.5°	868.4	483.0	730.7	473.0	538.1	548.0	745.8	948.4	971.0	978.5	1016.1
65°	618.1	405.4	620.7	430.5	485.5	488.0	670.7	855.8	875.9	888.4	916.0
67.5°	418.0	330.3	473.0	390.4	445.5	447.9	598.1	748.3	775.8	785.8	803.3
70°	290.3	220.3	350.3	347.9	400.4	405.4	520.5	650.7	675.7	683.2	693.3
72.5°	212.7	177.7	290.3	312.9	352.9	357.9	440.4	540.5	565.6	573.1	578.1
75°	162.7	187.7	235.3	272.8	300.3	302.8	360.4	440.4	458.0	463.0	465.5
77.5°	130.2	175.2	172.6	220.3	245.2	240.3	282.8	340.4	355.4	355.4	355.4
80°	97.6	137.6	130.2	157.7	180.1	175.2	202.7	242.8	247.8	252.7	250.2
82.5°	72.6	87.6	87.6	100.1	120.1	115.2	135.2	157.7	157.7	157.7	162.7
85°	45.1	50.1	40.0	52.6	67.5	65.1	75.0	85.1	87.6	87.6	82.6
87.5°	27.5	22.5	12.5	20.0	30.1	30.1	35.0	37.6	35.0	35.0	35.0
90°	24.0	16.7	9.3	16.7	24.0	25.8	40.6	60.2	70.1	62.3	46.7
92.5°	162.4	99.6	36.9	99.6	162.4	178.1	250.3	346.7	394.8	346.0	248.5
95°	318.2	203.3	88.5	203.3	318.2	346.9	616.0	974.7	1154.0	1029.8	781.3
97.5°	355.7	254.4	153.1	254.4	355.7	381.0	829.6	1427.8	1726.9	1648.4	1491.3
100°	386.6	294.8	202.9	294.8	386.6	409.6	907.4	1571.2	1903.1	1908.8	1920.3
102.5°	416.8	331.1	245.4	331.1	416.8	438.2	943.1	1616.3	1952.9	2052.9	2252.9
105°	462.4	389.9	317.3	389.9	462.4	480.6	969.5	1621.4	1947.4	2171.6	2620.1
107.5°	526.4	458.8	391.1	458.8	526.4	543.3	974.4	1549.2	1836.6	2149.5	2775.1
110°	563.1	502.1	440.9	502.1	563.1	578.4	967.1	1485.2	1744.3	2094.1	2793.5



TEST NUMBER: P936188

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	606.2	548.0	489.8	548.0	606.2	620.8	967.4	1429.4	1660.4	2018.3	2734.2
115°	671.1	617.3	563.6	617.3	671.1	684.5	976.2	1365.3	1559.9	1904.7	2594.3
117.5°	734.1	685.3	636.5	685.3	734.1	746.3	994.5	1325.3	1490.7	1801.9	2424.2
120°	770.9	724.9	679.0	724.9	770.9	782.3	1009.2	1311.8	1463.0	1747.4	2316.0
122.5°	813.2	766.8	720.5	766.8	813.2	824.7	1030.4	1304.7	1441.8	1697.9	2209.9
125°	868.6	826.3	784.1	826.3	868.6	879.1	1059.0	1298.9	1418.8	1636.3	2071.2
127.5°	921.0	878.3	835.7	878.3	921.0	931.7	1087.6	1295.4	1399.3	1586.1	1959.6
130°	955.3	909.4	863.4	909.4	955.3	966.8	1108.6	1297.6	1392.0	1558.3	1890.8
132.5°	983.9	938.0	892.0	938.0	983.9	995.4	1125.4	1298.9	1385.5	1534.3	1832.0
135°	1018.1	976.2	934.4	976.2	1018.1	1028.6	1143.9	1297.6	1374.5	1499.1	1748.4
137.5°	1060.6	1019.2	977.8	1019.2	1060.6	1071.0	1171.6	1305.6	1372.6	1478.0	1688.7
140°	1090.0	1052.0	1013.8	1052.0	1090.0	1099.6	1188.4	1306.9	1366.2	1457.2	1639.2
142.5°	1112.0	1076.7	1041.4	1076.7	1112.0	1120.8	1202.6	1311.7	1366.2	1446.2	1606.0
145°	1145.4	1114.7	1083.9	1114.7	1145.4	1153.1	1221.1	1311.7	1356.9	1422.3	1553.1
147.5°	1186.2	1156.3	1126.3	1156.3	1186.2	1193.7	1248.1	1320.6	1356.9	1408.4	1511.2
150°	1208.0	1181.0	1154.0	1181.0	1208.0	1214.9	1262.2	1325.4	1356.9	1400.4	1487.3
152.5°	1223.6	1203.1	1182.6	1203.1	1223.6	1228.8	1271.4	1328.4	1356.9	1394.0	1468.3
155°	1255.4	1240.2	1225.0	1240.2	1255.4	1259.1	1291.8	1335.2	1356.9	1386.4	1445.5
157.5°	1285.9	1271.2	1256.4	1271.2	1285.9	1289.6	1312.1	1341.9	1356.9	1379.9	1425.9
160°	1300.5	1289.1	1277.7	1289.1	1300.5	1303.4	1321.2	1345.0	1356.9	1376.7	1416.0
162.5°	1316.0	1307.4	1298.9	1307.4	1316.0	1318.2	1331.1	1348.4	1356.9	1373.5	1406.7
165°	1337.4	1329.7	1321.9	1329.7	1337.4	1339.4	1345.2	1353.0	1356.9	1368.9	1392.6
167.5°	1350.5	1346.8	1343.1	1346.8	1350.5	1351.4	1356.3	1362.9	1366.2	1374.0	1389.6
170°	1364.3	1360.6	1356.9	1360.6	1364.3	1365.2	1365.5	1366.0	1366.2	1374.0	1389.6
172.5°	1366.0	1365.1	1364.3	1365.1	1366.0	1366.2	1366.2	1366.2	1366.2	1372.3	1384.6
175°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1371.7	1368.1	1366.2	1370.0	1377.8
177.5°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1372.3	1369.5	1368.0	1371.0	1377.2
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



TEST NUMBER: P936188

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2552.7	2545.2	2555.1	2527.6	2555.1	2545.2	2552.7	2570.1	2555.1	2565.2	2575.1
5°	2239.8	2227.3	2187.2	2154.7	2187.2	2227.3	2239.8	2292.4	2317.4	2362.5	2422.5
7.5°	2002.1	1992.0	1982.1	1962.0	1982.1	1992.0	2002.1	2017.1	2042.1	2082.1	2127.2
10°	1949.5	1952.0	1967.1	1964.5	1967.1	1952.0	1949.5	1944.5	1937.0	1944.5	1972.0
12.5°	2084.7	2107.2	2189.8	2184.8	2189.8	2107.2	2084.7	1984.5	1917.0	1904.5	1909.5
15°	2239.8	2247.3	2264.8	2267.3	2264.8	2247.3	2239.8	2199.8	1997.0	1909.5	1882.0
17.5°	2254.8	2257.3	2269.9	2269.9	2269.9	2257.3	2254.8	2237.3	2169.7	2052.2	1897.0
20°	2242.4	2247.3	2272.3	2277.4	2272.3	2247.3	2242.4	2219.8	2182.2	2139.7	2022.1
22.5°	2237.3	2247.3	2267.3	2264.8	2267.3	2247.3	2237.3	2202.2	2169.7	2139.7	2092.2
25°	2212.3	2212.3	2214.8	2217.3	2214.8	2212.3	2212.3	2184.8	2119.7	2112.2	2084.7
27.5°	2159.7	2164.8	2179.8	2177.3	2179.8	2164.8	2159.7	2149.7	2079.7	2072.2	2052.2
30°	2112.2	2107.2	2094.7	2084.7	2094.7	2107.2	2112.2	2097.1	2027.1	2007.1	2012.0
32.5°	2032.1	2019.6	2007.1	1999.6	2007.1	2019.6	2032.1	2027.1	1974.6	1947.1	1952.0
35°	1937.0	1939.5	1937.0	1929.5	1937.0	1939.5	1937.0	1942.0	1909.5	1884.4	1882.0
37.5°	1869.5	1874.4	1871.9	1862.0	1871.9	1874.4	1869.5	1864.4	1819.4	1811.9	1816.9
40°	1799.4	1801.8	1799.4	1791.9	1799.4	1801.8	1799.4	1789.4	1726.8	1729.2	1746.8
42.5°	1731.8	1729.2	1721.8	1716.7	1721.8	1729.2	1731.8	1716.7	1636.7	1629.2	1661.7
45°	1654.2	1656.7	1641.7	1634.2	1641.7	1656.7	1654.2	1644.2	1561.6	1541.6	1564.1
47.5°	1576.6	1576.6	1564.1	1556.6	1564.1	1576.6	1576.6	1564.1	1476.5	1456.5	1469.0
50°	1494.1	1491.5	1474.1	1471.5	1474.1	1491.5	1494.1	1486.5	1393.9	1376.5	1376.5
52.5°	1398.9	1398.9	1401.4	1406.4	1401.4	1398.9	1398.9	1401.4	1318.9	1301.3	1296.3
55°	1316.3	1318.9	1336.4	1341.4	1336.4	1318.9	1316.3	1316.3	1241.3	1223.7	1213.8
57.5°	1231.3	1231.3	1243.7	1243.7	1243.7	1231.3	1231.3	1226.3	1153.7	1138.6	1133.7
60°	1133.7	1138.6	1148.7	1146.2	1148.7	1138.6	1133.7	1128.7	1066.1	1056.1	1038.6
62.5°	1031.1	1036.1	1038.6	1033.5	1038.6	1036.1	1031.1	1016.1	978.5	971.0	948.4
65°	923.5	928.4	931.0	926.0	931.0	928.4	923.5	916.0	888.4	875.9	855.8
67.5°	813.4	810.8	808.3	818.4	808.3	810.8	813.4	803.3	785.8	775.8	748.3
70°	700.8	700.8	698.2	703.2	698.2	700.8	700.8	693.3	683.2	675.7	650.7
72.5°	580.6	578.1	588.1	580.6	588.1	578.1	580.6	578.1	573.1	565.6	540.5
75°	463.0	468.0	463.0	470.5	463.0	468.0	463.0	465.5	463.0	458.0	440.4
77.5°	352.9	357.9	352.9	352.9	352.9	357.9	352.9	355.4	355.4	355.4	340.4
80°	250.2	247.8	247.8	245.2	247.8	247.8	250.2	250.2	252.7	247.8	242.8
82.5°	160.1	157.7	157.7	162.7	157.7	157.7	160.1	162.7	157.7	157.7	157.7
85°	87.6	90.1	85.1	85.1	85.1	90.1	87.6	82.6	87.6	87.6	85.1
87.5°	32.5	30.1	30.1	30.1	30.1	30.1	32.5	35.0	35.0	35.0	37.6
90°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	46.7	62.3	70.1	60.2
92.5°	175.3	168.3	140.4	112.5	140.4	168.3	175.3	248.5	346.0	394.8	346.7
95°	595.0	573.9	489.4	405.0	489.4	573.9	595.0	781.3	1029.8	1154.0	974.7
97.5°	1373.6	1333.4	1172.6	1011.9	1172.6	1333.4	1373.6	1491.3	1648.4	1726.9	1427.8
100°	1928.9	1881.1	1689.6	1498.1	1689.6	1881.1	1928.9	1920.3	1908.8	1903.1	1571.2
102.5°	2403.0	2362.0	2198.0	2034.0	2198.0	2362.0	2403.0	2252.9	2052.9	1952.9	1616.3
105°	2956.5	2934.4	2846.3	2758.1	2846.3	2934.4	2956.5	2620.1	2171.6	1947.4	1621.4
107.5°	3244.3	3249.7	3271.0	3292.3	3271.0	3249.7	3244.3	2775.1	2149.5	1836.6	1549.2
110°	3318.1	3341.1	3432.9	3524.8	3432.9	3341.1	3318.1	2793.5	2094.1	1744.3	1485.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3271.1	3306.4	3447.4	3588.3	3447.4	3306.4	3271.1	2734.2	2018.3	1660.4	1429.4
115°	3111.4	3160.3	3355.9	3551.5	3355.9	3160.3	3111.4	2594.3	1904.7	1559.9	1365.3
117.5°	2891.0	2945.2	3162.1	3379.0	3162.1	2945.2	2891.0	2424.2	1801.9	1490.7	1325.3
120°	2742.5	2795.1	3005.9	3216.6	3005.9	2795.1	2742.5	2316.0	1747.4	1463.0	1311.8
122.5°	2594.0	2645.9	2853.8	3061.6	2853.8	2645.9	2594.0	2209.9	1697.9	1441.8	1304.7
125°	2397.5	2445.3	2636.8	2828.2	2636.8	2445.3	2397.5	2071.2	1636.3	1418.8	1298.9
127.5°	2239.7	2280.1	2441.6	2603.2	2441.6	2280.1	2239.7	1959.6	1586.1	1399.3	1295.4
130°	2140.1	2177.4	2326.7	2475.8	2326.7	2177.4	2140.1	1890.8	1558.3	1392.0	1297.6
132.5°	2055.2	2088.6	2222.2	2355.9	2222.2	2088.6	2055.2	1832.0	1534.3	1385.5	1298.9
135°	1935.3	1964.1	2079.4	2194.5	2079.4	1964.1	1935.3	1748.4	1499.1	1374.5	1297.6
137.5°	1846.8	1870.3	1964.7	2059.0	1964.7	1870.3	1846.8	1688.7	1478.0	1372.6	1305.6
140°	1775.8	1797.8	1885.9	1974.1	1885.9	1797.8	1775.8	1639.2	1457.2	1366.2	1306.9
142.5°	1725.9	1744.8	1820.7	1896.6	1820.7	1744.8	1725.9	1606.0	1446.2	1366.2	1311.7
145°	1651.3	1665.6	1722.9	1780.3	1722.9	1665.6	1651.3	1553.1	1422.3	1356.9	1311.7
147.5°	1588.4	1600.4	1647.9	1695.5	1647.9	1600.4	1588.4	1511.2	1408.4	1356.9	1320.6
150°	1552.5	1562.1	1600.7	1639.2	1600.7	1562.1	1552.5	1487.3	1400.4	1356.9	1325.4
152.5°	1523.9	1531.2	1560.2	1589.4	1560.2	1531.2	1523.9	1468.3	1394.0	1356.9	1328.4
155°	1489.7	1494.6	1513.8	1533.1	1513.8	1494.6	1489.7	1445.5	1386.4	1356.9	1335.2
157.5°	1460.3	1463.6	1477.2	1490.7	1477.2	1463.6	1460.3	1425.9	1379.9	1356.9	1341.9
160°	1445.5	1447.4	1455.2	1463.0	1455.2	1447.4	1445.5	1416.0	1376.7	1356.9	1345.0
162.5°	1431.7	1433.5	1440.8	1448.2	1440.8	1433.5	1431.7	1406.7	1373.5	1356.9	1348.4
165°	1410.5	1412.4	1420.1	1427.9	1420.1	1412.4	1410.5	1392.6	1368.9	1356.9	1353.0
167.5°	1401.2	1402.0	1405.3	1408.6	1405.3	1402.0	1401.2	1389.6	1374.0	1366.2	1362.9
170°	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1389.6	1374.0	1366.2	1366.0
172.5°	1393.8	1393.1	1390.3	1387.4	1390.3	1393.1	1393.8	1384.6	1372.3	1366.2	1366.2
175°	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1377.8	1370.0	1366.2	1368.1
177.5°	1381.9	1381.1	1377.7	1374.5	1377.7	1381.1	1381.9	1377.2	1371.0	1368.0	1369.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2612.7	2625.2	2632.7	2642.8	2667.7
5°	2512.6	2560.1	2575.1	2612.7	2657.8
7.5°	2292.4	2437.5	2477.5	2567.6	2637.7
10°	2079.7	2224.8	2294.9	2507.6	2612.7
12.5°	1972.0	2057.1	2104.7	2402.5	2577.7
15°	1904.5	1964.5	1999.6	2262.4	2537.7
17.5°	1851.9	1894.5	1919.4	2124.7	2482.6
20°	1819.4	1839.4	1862.0	2024.6	2420.0
22.5°	1796.9	1784.4	1801.8	1954.5	2334.9
25°	1781.8	1734.3	1754.3	1899.4	2234.8
27.5°	1794.3	1689.2	1696.7	1849.4	2129.7
30°	1796.9	1634.2	1636.7	1796.9	2012.0
32.5°	1779.3	1576.6	1579.2	1731.8	1879.4
35°	1736.8	1509.1	1506.5	1656.7	1699.3
37.5°	1679.3	1436.5	1436.5	1574.1	1501.6
40°	1609.2	1363.9	1371.4	1466.5	1326.4
42.5°	1524.1	1286.3	1296.3	1323.9	1196.2
45°	1431.5	1211.2	1218.8	1118.6	1096.1
47.5°	1328.8	1133.7	1136.2	928.4	1063.6
50°	1206.3	1053.5	1043.6	795.8	1061.1
52.5°	1098.6	966.0	936.0	720.8	963.5
55°	993.5	873.4	808.3	663.2	893.4
57.5°	900.9	753.3	690.7	595.6	878.4
60°	815.8	635.7	588.1	523.1	805.9
62.5°	745.8	548.0	538.1	473.0	730.7
65°	670.7	488.0	485.5	430.5	620.7
67.5°	598.1	447.9	445.5	390.4	473.0
70°	520.5	405.4	400.4	347.9	350.3
72.5°	440.4	357.9	352.9	312.9	290.3
75°	360.4	302.8	300.3	272.8	235.3
77.5°	282.8	240.3	245.2	220.3	172.6
80°	202.7	175.2	180.1	157.7	130.2
82.5°	135.2	115.2	120.1	100.1	87.6
85°	75.0	65.1	67.5	52.6	40.0
87.5°	35.0	30.1	30.1	20.0	12.5
90°	40.6	25.8	24.0	16.7	9.3
92.5°	250.3	178.1	162.4	99.6	36.9
95°	616.0	346.9	318.2	203.3	88.5
97.5°	829.6	381.0	355.7	254.4	153.1
100°	907.4	409.6	386.6	294.8	202.9
102.5°	943.1	438.2	416.8	331.1	245.4
105°	969.5	480.6	462.4	389.9	317.3
107.5°	974.4	543.3	526.4	458.8	391.1
110°	967.1	578.4	563.1	502.1	440.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	967.4	620.8	606.2	548.0	489.8
115°	976.2	684.5	671.1	617.3	563.6
117.5°	994.5	746.3	734.1	685.3	636.5
120°	1009.2	782.3	770.9	724.9	679.0
122.5°	1030.4	824.7	813.2	766.8	720.5
125°	1059.0	879.1	868.6	826.3	784.1
127.5°	1087.6	931.7	921.0	878.3	835.7
130°	1108.6	966.8	955.3	909.4	863.4
132.5°	1125.4	995.4	983.9	938.0	892.0
135°	1143.9	1028.6	1018.1	976.2	934.4
137.5°	1171.6	1071.0	1060.6	1019.2	977.8
140°	1188.4	1099.6	1090.0	1052.0	1013.8
142.5°	1202.6	1120.8	1112.0	1076.7	1041.4
145°	1221.1	1153.1	1145.4	1114.7	1083.9
147.5°	1248.1	1193.7	1186.2	1156.3	1126.3
150°	1262.2	1214.9	1208.0	1181.0	1154.0
152.5°	1271.4	1228.8	1223.6	1203.1	1182.6
155°	1291.8	1259.1	1255.4	1240.2	1225.0
157.5°	1312.1	1289.6	1285.9	1271.2	1256.4
160°	1321.2	1303.4	1300.5	1289.1	1277.7
162.5°	1331.1	1318.2	1316.0	1307.4	1298.9
165°	1345.2	1339.4	1337.4	1329.7	1321.9
167.5°	1356.3	1351.4	1350.5	1346.8	1343.1
170°	1365.5	1365.2	1364.3	1360.6	1356.9
172.5°	1366.2	1366.2	1366.0	1365.1	1364.3
175°	1371.7	1374.5	1374.5	1374.5	1374.5
177.5°	1372.3	1374.5	1374.5	1374.5	1374.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5



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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	13.88	14.69	14.89	15.71	17.07	16.71	17.51	17.72	18.53	19.89
	3H	14.36	15.08	15.38	16.11	17.49	18.05	18.77	19.07	19.80	21.18
	4H	14.54	15.23	15.58	16.26	17.65	18.49	19.17	19.52	20.20	21.59
	6H	14.66	15.29	15.70	16.33	17.73	18.77	19.40	19.81	20.43	21.83
	8H	14.66	15.26	15.71	16.31	17.71	18.84	19.44	19.89	20.49	21.89
	12H	14.63	15.20	15.68	16.25	17.67	18.88	19.45	19.93	20.49	21.91
4H	2H	14.91	15.59	15.95	16.62	18.01	17.11	17.79	18.15	18.83	20.21
	3H	15.93	16.50	16.98	17.56	18.96	18.61	19.18	19.66	20.24	21.64
	4H	16.20	16.72	17.26	17.78	19.20	19.13	19.66	20.19	20.71	22.13
	6H	16.32	16.77	17.39	17.85	19.27	19.49	19.94	20.56	21.02	22.44
	8H	16.33	16.75	17.39	17.82	19.25	19.60	20.02	20.66	21.08	22.52
	12H	16.29	16.67	17.38	17.75	19.19	19.65	20.03	20.74	21.11	22.55
8H	4H	16.65	17.07	17.72	18.14	19.57	19.25	19.67	20.32	20.74	22.17
	6H	16.91	17.26	18.00	18.37	19.80	19.69	20.03	20.77	21.14	22.57
	8H	16.95	17.26	18.05	18.35	19.80	19.84	20.14	20.93	21.23	22.68
	12H	16.93	17.20	18.03	18.29	19.78	19.93	20.20	21.03	21.29	22.78
12H	4H	16.65	17.03	17.74	18.11	19.55	19.22	19.59	20.30	20.68	22.12
	6H	16.97	17.27	18.07	18.37	19.82	19.68	19.99	20.78	21.08	22.53
	8H	17.03	17.30	18.13	18.39	19.88	19.84	20.11	20.94	21.20	22.69