

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: P936141

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936141
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-92765-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

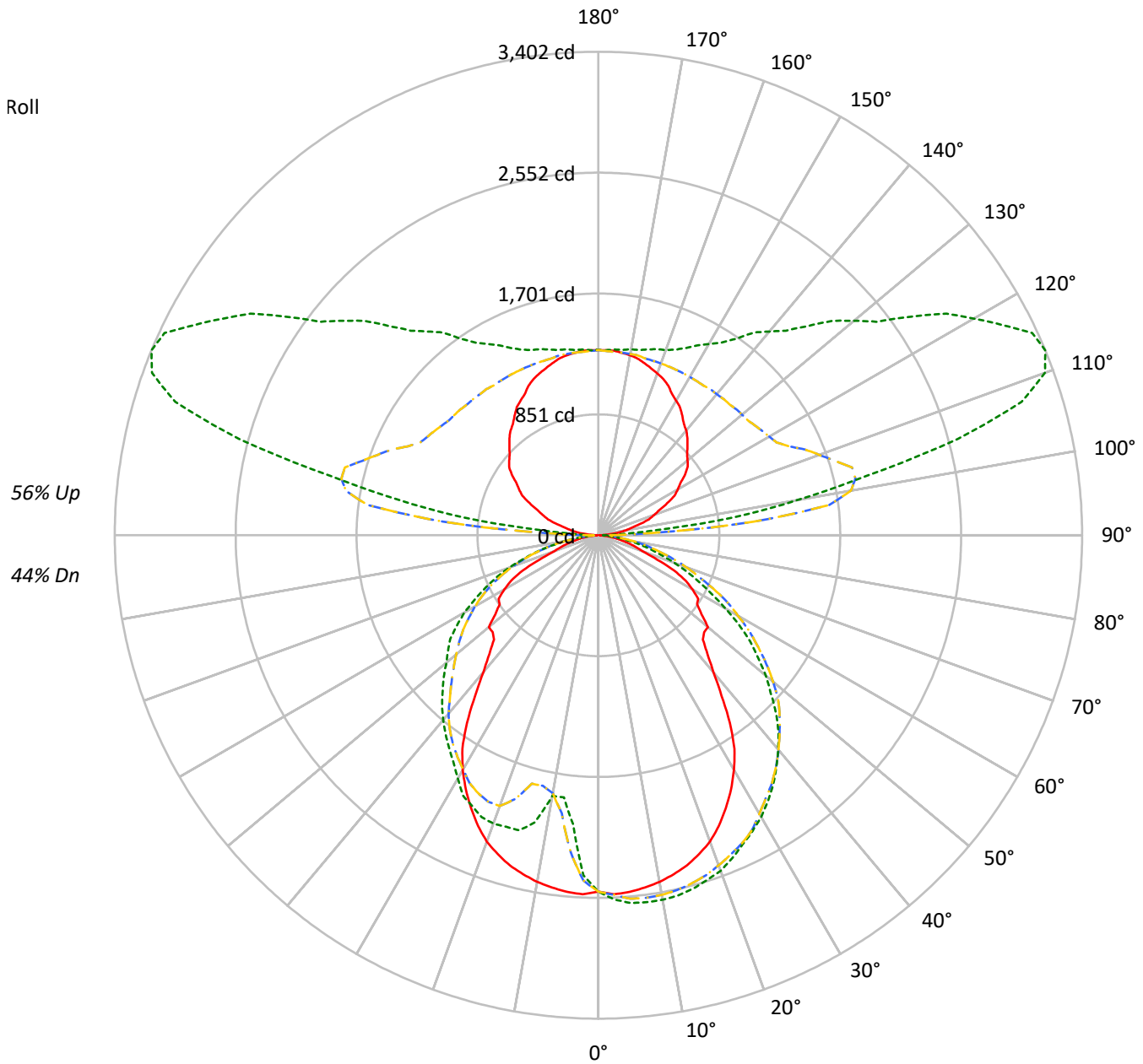
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14953.4 lumens
Efficiency: N/A
Efficacy: 119.8 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				
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°	15512	15512	15512	15512
5°	15623	15659	15623	12313
10°	15513	15425	15513	11028
15°	15339	15091	15339	12601
20°	15011	14695	15011	12628
25°	14349	14118	14349	12360
30°	13495	13638	13495	11773
35°	12025	13032	12025	11127
40°	10014	12318	10014	10639
45°	8942	11483	8942	10078
50°	9492	10486	9492	9515
55°	8922	9412	8922	9189
60°	9186	7994	9186	8417
65°	8316	6607	8316	7387
70°	5744	5266	5744	6191
75°	5018	3893	5018	4661
80°	4016	2573	4016	2802
85°	2260	1363	2260	1159

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13713 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.4	1.5
10°-20°	642.7	4.3
20°-30°	993.5	6.6
30°-40°	1186.0	7.9
40°-50°	1193.0	8.0
50°-60°	1038.0	6.9
60°-70°	736.0	4.9
70°-80°	389.4	2.6
80°-90°	102.0	0.7
90°-100°	635.1	4.2
100°-110°	1669.8	11.2
110°-120°	1731.4	11.6
120°-130°	1388.8	9.3
130°-140°	1089.7	7.3
140°-150°	836.4	5.6
150°-160°	602.3	4.0
160°-170°	368.5	2.5
170°-180°	124.5	0.8
0°-30°	1862.5	12.5
0°-40°	3048.5	20.4
0°-60°	5279.5	35.3
0°-90°	6506.8	43.5
90°-120°	4036.3	27.0
90°-150°	7351.2	49.2
90°-180°	8447.0	56.5
0°-180°	14953.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2508	2508	2508	2508	2508	
5°	2520	2598	2520	2043	2520	239
15°	2406	2574	2406	2149	2406	677
25°	2118	2401	2118	2102	2118	973
35°	1611	2142	1611	1829	1611	997
45°	1039	1765	1039	1549	1039	832
55°	847	1302	847	1272	847	778
65°	588	785	588	878	588	562
75°	223	372	223	446	223	234
85°	38	95	38	81	38	51
90°	9	33	9	33	9	9
95°	84	384	84	384	84	93
105°	301	2615	301	2615	301	319
115°	534	3367	534	3367	534	528
125°	743	2681	743	2681	743	660
135°	886	2080	886	2080	886	685
145°	1028	1688	1028	1688	1028	644
155°	1161	1453	1161	1453	1161	534
165°	1253	1354	1253	1354	1253	354
175°	1303	1312	1303	1312	1303	124
180°	1303	1303	1303	1303	1303	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6
2.5°	2528.9	2528.9	2543.2	2547.9	2547.9	2540.8	2533.7	2540.8	2562.2	2569.3	2566.9
5°	2519.5	2538.5	2564.6	2569.3	2574.1	2571.7	2566.9	2571.7	2595.4	2600.2	2602.5
7.5°	2500.5	2536.0	2569.3	2576.4	2583.5	2576.4	2574.1	2578.8	2602.5	2607.3	2607.3
10°	2476.8	2526.6	2564.6	2569.3	2576.4	2569.3	2569.3	2578.8	2602.5	2607.3	2609.6
12.5°	2443.6	2512.4	2547.9	2552.7	2562.2	2559.8	2557.4	2566.9	2590.6	2595.4	2595.4
15°	2405.7	2486.2	2519.5	2524.3	2540.8	2536.0	2536.0	2545.6	2571.7	2578.8	2576.4
17.5°	2353.4	2453.0	2491.0	2498.1	2510.0	2507.6	2510.0	2519.5	2543.2	2547.9	2550.3
20°	2294.1	2408.0	2453.0	2460.1	2472.0	2472.0	2472.0	2483.9	2507.6	2517.1	2517.1
22.5°	2213.5	2360.5	2408.0	2412.8	2427.0	2427.0	2431.7	2448.3	2469.7	2472.0	2472.0
25°	2118.5	2308.3	2348.6	2362.9	2377.1	2384.2	2391.4	2400.9	2408.0	2405.7	2408.0
27.5°	2018.9	2241.9	2294.1	2303.6	2322.6	2329.7	2339.2	2341.5	2344.0	2351.1	2346.3
30°	1907.4	2149.4	2227.7	2237.1	2268.0	2272.7	2263.3	2268.0	2279.8	2284.6	2289.4
32.5°	1781.6	2011.8	2158.9	2180.2	2208.7	2194.5	2192.1	2199.2	2218.2	2218.2	2222.9
35°	1610.9	1905.0	2094.9	2113.8	2135.1	2118.5	2128.0	2130.4	2142.3	2149.4	2147.0
37.5°	1423.5	1812.5	2028.4	2042.6	2059.3	2037.8	2052.1	2059.3	2068.7	2064.0	2064.0
40°	1257.4	1667.8	1950.1	1959.6	1973.8	1957.2	1971.5	1976.2	1980.9	1976.2	1973.8
42.5°	1134.0	1508.8	1867.1	1878.9	1869.4	1881.3	1886.0	1895.6	1888.4	1878.9	1878.9
45°	1039.1	1466.2	1776.9	1791.2	1776.9	1795.9	1803.0	1803.0	1781.6	1776.9	1774.5
47.5°	1008.3	1380.7	1686.8	1686.8	1679.7	1703.4	1715.3	1698.6	1677.2	1670.1	1670.1
50°	1005.9	1285.9	1563.4	1553.9	1587.1	1615.6	1603.8	1587.1	1570.5	1544.4	1544.4
52.5°	913.4	1169.6	1404.5	1440.0	1492.3	1508.8	1489.8	1473.3	1444.8	1432.9	1423.5
55°	846.9	1048.6	1259.7	1330.9	1385.5	1406.8	1371.2	1354.7	1312.0	1304.8	1300.1
57.5°	832.7	873.0	1126.9	1217.1	1283.4	1281.1	1259.7	1228.9	1193.3	1186.2	1183.8
60°	763.9	631.0	984.5	1091.3	1160.1	1153.0	1134.0	1105.6	1072.3	1067.6	1062.9
62.5°	692.7	457.9	823.2	944.2	1041.4	1039.1	1022.5	979.8	956.1	944.2	934.7
65°	588.4	384.4	586.0	785.2	925.3	929.9	894.4	863.6	837.5	823.2	820.9
67.5°	448.4	313.1	396.2	654.8	813.8	809.0	763.9	749.6	716.5	709.3	695.1
70°	332.1	208.8	275.2	531.4	704.6	692.7	657.2	640.6	609.7	593.1	583.6
72.5°	275.2	168.4	201.6	412.8	593.1	578.9	548.0	529.0	503.0	488.8	479.2
75°	223.0	178.0	154.2	306.0	481.6	472.1	443.6	424.6	403.3	384.4	386.7
77.5°	163.7	166.1	123.4	225.4	381.9	367.7	351.1	327.4	317.9	298.9	298.9
80°	123.4	130.5	92.5	154.2	275.2	275.2	261.0	244.3	227.8	218.3	218.3
82.5°	83.0	83.0	68.8	97.3	187.4	180.3	170.8	166.1	156.6	151.8	151.8
85°	37.9	47.5	42.7	59.4	102.0	106.7	106.7	102.0	99.6	94.9	97.3
87.5°	11.9	21.3	26.1	33.2	52.2	54.6	56.9	56.9	56.9	59.4	59.4
90°	8.8	15.8	22.7	24.5	38.5	57.1	66.5	59.1	44.3	33.3	33.3
92.5°	35.0	94.4	153.9	168.8	237.3	328.6	374.3	328.0	235.5	166.2	159.6
95°	83.9	192.7	301.6	328.8	583.9	924.0	1094.0	976.2	740.7	564.0	544.0
97.5°	145.2	241.2	337.1	361.2	786.5	1353.5	1637.0	1562.6	1413.7	1302.1	1264.0
100°	192.4	279.5	366.5	388.3	860.2	1489.5	1804.1	1809.5	1820.4	1828.6	1783.2
102.5°	232.6	313.9	395.1	415.4	894.0	1532.2	1851.3	1946.1	2135.7	2278.0	2239.1
105°	300.8	369.6	438.4	455.6	919.1	1537.0	1846.0	2058.6	2483.8	2802.7	2781.8
107.5°	370.8	434.9	499.0	515.0	923.7	1468.6	1741.1	2037.7	2630.7	3075.6	3080.6
110°	418.0	476.0	533.8	548.3	916.8	1407.9	1653.6	1985.1	2648.2	3145.5	3167.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	464.4	519.5	574.7	588.5	917.0	1355.0	1574.0	1913.3	2591.9	3100.9	3134.3
115°	534.3	585.2	636.2	648.9	925.5	1294.3	1478.7	1805.6	2459.3	2949.6	2995.9
117.5°	603.4	649.6	695.9	707.5	942.7	1256.3	1413.2	1708.2	2298.1	2740.6	2792.0
120°	643.6	687.2	730.8	741.6	956.7	1243.5	1386.9	1656.5	2195.5	2599.8	2649.7
122.5°	683.0	726.9	770.9	781.8	976.8	1236.8	1366.8	1609.6	2095.0	2459.0	2508.3
125°	743.3	783.3	823.4	833.4	1003.9	1231.3	1344.9	1551.1	1963.4	2272.7	2318.1
127.5°	792.3	832.6	873.1	883.2	1031.0	1228.0	1326.5	1503.6	1857.6	2123.2	2161.5
130°	818.5	862.1	905.6	916.5	1050.9	1230.1	1319.6	1477.2	1792.4	2028.8	2064.1
132.5°	845.6	889.2	932.7	943.6	1066.9	1231.3	1313.4	1454.5	1736.7	1948.3	1980.0
135°	885.8	925.5	965.2	975.1	1084.4	1230.1	1303.0	1421.1	1657.4	1834.6	1861.9
137.5°	926.9	966.2	1005.5	1015.3	1110.6	1237.6	1301.2	1401.1	1600.9	1750.7	1773.0
140°	961.1	997.2	1033.3	1042.4	1126.6	1239.0	1295.1	1381.4	1553.9	1683.4	1704.2
142.5°	987.2	1020.7	1054.2	1062.5	1140.1	1243.4	1295.1	1370.9	1522.4	1636.1	1654.1
145°	1027.5	1056.7	1085.8	1093.1	1157.5	1243.4	1286.3	1348.3	1472.3	1565.4	1578.9
147.5°	1067.7	1096.1	1124.5	1131.6	1183.2	1251.9	1286.3	1335.1	1432.6	1505.8	1517.1
150°	1094.0	1119.6	1145.2	1151.7	1196.5	1256.4	1286.3	1327.6	1409.9	1471.7	1480.9
152.5°	1121.1	1140.5	1160.0	1164.8	1205.3	1259.3	1286.3	1321.5	1391.9	1444.6	1451.5
155°	1161.3	1175.7	1190.1	1193.6	1224.6	1265.8	1286.3	1314.3	1370.3	1412.2	1416.8
157.5°	1191.0	1205.0	1219.0	1222.5	1243.8	1272.1	1286.3	1308.1	1351.7	1384.3	1387.5
160°	1211.2	1222.0	1232.9	1235.6	1252.5	1275.0	1286.3	1305.0	1342.3	1370.3	1372.1
162.5°	1231.3	1239.4	1247.6	1249.6	1261.9	1278.2	1286.3	1302.0	1333.5	1357.2	1359.0
165°	1253.2	1260.5	1267.8	1269.7	1275.2	1282.6	1286.3	1297.7	1320.2	1337.1	1339.0
167.5°	1273.3	1276.7	1280.3	1281.1	1285.8	1292.0	1295.1	1302.5	1317.3	1328.3	1329.1
170°	1286.3	1289.8	1293.4	1294.2	1294.5	1294.9	1295.1	1302.5	1317.3	1328.3	1328.3
172.5°	1293.4	1294.1	1294.9	1295.1	1295.1	1295.1	1295.1	1300.9	1312.6	1321.3	1320.6
175°	1303.0	1303.0	1303.0	1303.0	1300.4	1296.9	1295.1	1298.8	1306.2	1311.7	1311.7
177.5°	1303.0	1303.0	1303.0	1303.0	1300.9	1298.2	1296.8	1299.7	1305.6	1310.0	1309.2
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6
2.5°	2571.7	2564.6	2571.7	2566.9	2569.3	2562.2	2540.8	2533.7	2540.8	2547.9	2547.9
5°	2602.5	2597.7	2602.5	2602.5	2600.2	2595.4	2571.7	2566.9	2571.7	2574.1	2569.3
7.5°	2612.0	2604.9	2612.0	2607.3	2607.3	2602.5	2578.8	2574.1	2576.4	2583.5	2576.4
10°	2612.0	2604.9	2612.0	2609.6	2607.3	2602.5	2578.8	2569.3	2569.3	2576.4	2569.3
12.5°	2600.2	2595.4	2600.2	2595.4	2595.4	2590.6	2566.9	2557.4	2559.8	2562.2	2552.7
15°	2581.2	2574.1	2581.2	2576.4	2578.8	2571.7	2545.6	2536.0	2536.0	2540.8	2524.3
17.5°	2552.7	2543.2	2552.7	2550.3	2547.9	2543.2	2519.5	2510.0	2507.6	2510.0	2498.1
20°	2519.5	2512.4	2519.5	2517.1	2517.1	2507.6	2483.9	2472.0	2472.0	2472.0	2460.1
22.5°	2467.2	2460.1	2467.2	2472.0	2472.0	2469.7	2448.3	2431.7	2427.0	2427.0	2412.8
25°	2408.0	2400.9	2408.0	2408.0	2405.7	2408.0	2400.9	2391.4	2384.2	2377.1	2362.9
27.5°	2351.1	2346.3	2351.1	2346.3	2351.1	2344.0	2341.5	2339.2	2329.7	2322.6	2303.6
30°	2294.1	2289.4	2294.1	2289.4	2284.6	2279.8	2268.0	2263.3	2272.7	2268.0	2237.1
32.5°	2222.9	2218.2	2222.9	2222.9	2218.2	2218.2	2199.2	2192.1	2194.5	2208.7	2180.2
35°	2149.4	2142.3	2149.4	2147.0	2149.4	2142.3	2130.4	2128.0	2118.5	2135.1	2113.8
37.5°	2064.0	2056.8	2064.0	2064.0	2064.0	2068.7	2059.3	2052.1	2037.8	2059.3	2042.6
40°	1976.2	1966.7	1976.2	1973.8	1976.2	1980.9	1976.2	1971.5	1957.2	1973.8	1959.6
42.5°	1876.6	1874.2	1876.6	1878.9	1878.9	1888.4	1895.6	1886.0	1881.3	1869.4	1878.9
45°	1769.8	1765.1	1769.8	1774.5	1776.9	1781.6	1803.0	1803.0	1795.9	1776.9	1791.2
47.5°	1655.9	1644.1	1655.9	1670.1	1670.1	1677.2	1698.6	1715.3	1703.4	1679.7	1686.8
50°	1535.0	1537.3	1535.0	1544.4	1544.4	1570.5	1587.1	1603.8	1615.6	1587.1	1553.9
52.5°	1416.4	1413.9	1416.4	1423.5	1432.9	1444.8	1473.3	1489.8	1508.8	1492.3	1440.0
55°	1297.7	1302.4	1297.7	1300.1	1304.8	1312.0	1354.7	1371.2	1406.8	1385.5	1330.9
57.5°	1179.0	1171.9	1179.0	1183.8	1186.2	1193.3	1228.9	1259.7	1281.1	1283.4	1217.1
60°	1041.4	1032.0	1041.4	1062.9	1067.6	1072.3	1105.6	1134.0	1153.0	1160.1	1091.3
62.5°	920.5	903.9	920.5	934.7	944.2	956.1	979.8	1022.5	1039.1	1041.4	944.2
65°	792.4	785.2	792.4	820.9	823.2	837.5	863.6	894.4	929.9	925.3	785.2
67.5°	676.2	676.2	676.2	695.1	709.3	716.5	749.6	763.9	809.0	813.8	654.8
70°	569.3	567.0	569.3	583.6	593.1	609.7	640.6	657.2	692.7	704.6	531.4
72.5°	467.4	465.0	467.4	479.2	488.8	503.0	529.0	548.0	578.9	593.1	412.8
75°	377.2	372.5	377.2	386.7	384.4	403.3	424.6	443.6	472.1	481.6	306.0
77.5°	289.5	289.5	289.5	298.9	298.9	317.9	327.4	351.1	367.7	381.9	225.4
80°	215.9	213.5	215.9	218.3	218.3	227.8	244.3	261.0	275.2	275.2	154.2
82.5°	151.8	147.1	151.8	151.8	151.8	156.6	166.1	170.8	180.3	187.4	97.3
85°	94.9	94.9	94.9	97.3	94.9	99.6	102.0	106.7	106.7	102.0	59.4
87.5°	61.7	59.4	61.7	59.4	59.4	56.9	56.9	56.9	54.6	52.2	33.2
90°	33.3	33.3	33.3	33.3	33.3	44.3	59.1	66.5	57.1	38.5	24.5
92.5°	133.1	106.6	133.1	159.6	166.2	235.5	328.0	374.3	328.6	237.3	168.8
95°	463.9	383.9	463.9	544.0	564.0	740.7	976.2	1094.0	924.0	583.9	328.8
97.5°	1111.6	959.3	1111.6	1264.0	1302.1	1413.7	1562.6	1637.0	1353.5	786.5	361.2
100°	1601.7	1420.2	1601.7	1783.2	1828.6	1820.4	1809.5	1804.1	1489.5	860.2	388.3
102.5°	2083.6	1928.2	2083.6	2239.1	2278.0	2135.7	1946.1	1851.3	1532.2	894.0	415.4
105°	2698.2	2614.7	2698.2	2781.8	2802.7	2483.8	2058.6	1846.0	1537.0	919.1	455.6
107.5°	3100.8	3121.0	3100.8	3080.6	3075.6	2630.7	2037.7	1741.1	1468.6	923.7	515.0
110°	3254.3	3341.4	3254.3	3167.3	3145.5	2648.2	1985.1	1653.6	1407.9	916.8	548.3



TEST NUMBER: P936141

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3268.0	3401.7	3268.0	3134.3	3100.9	2591.9	1913.3	1574.0	1355.0	917.0	588.5
115°	3181.3	3366.7	3181.3	2995.9	2949.6	2459.3	1805.6	1478.7	1294.3	925.5	648.9
117.5°	2997.6	3203.2	2997.6	2792.0	2740.6	2298.1	1708.2	1413.2	1256.3	942.7	707.5
120°	2849.5	3049.3	2849.5	2649.7	2599.8	2195.5	1656.5	1386.9	1243.5	956.7	741.6
122.5°	2705.3	2902.4	2705.3	2508.3	2459.0	2095.0	1609.6	1366.8	1236.8	976.8	781.8
125°	2499.6	2681.1	2499.6	2318.1	2272.7	1963.4	1551.1	1344.9	1231.3	1003.9	833.4
127.5°	2314.6	2467.8	2314.6	2161.5	2123.2	1857.6	1503.6	1326.5	1228.0	1031.0	883.2
130°	2205.6	2347.0	2205.6	2064.1	2028.8	1792.4	1477.2	1319.6	1230.1	1050.9	916.5
132.5°	2106.6	2233.4	2106.6	1980.0	1948.3	1736.7	1454.5	1313.4	1231.3	1066.9	943.6
135°	1971.2	2080.4	1971.2	1861.9	1834.6	1657.4	1421.1	1303.0	1230.1	1084.4	975.1
137.5°	1862.5	1951.9	1862.5	1773.0	1750.7	1600.9	1401.1	1301.2	1237.6	1110.6	1015.3
140°	1787.8	1871.4	1787.8	1704.2	1683.4	1553.9	1381.4	1295.1	1239.0	1126.6	1042.4
142.5°	1726.0	1797.9	1726.0	1654.1	1636.1	1522.4	1370.9	1295.1	1243.4	1140.1	1062.5
145°	1633.3	1687.7	1633.3	1578.9	1565.4	1472.3	1348.3	1286.3	1243.4	1157.5	1093.1
147.5°	1562.2	1607.3	1562.2	1517.1	1505.8	1432.6	1335.1	1286.3	1251.9	1183.2	1131.6
150°	1517.4	1553.9	1517.4	1480.9	1471.7	1409.9	1327.6	1286.3	1256.4	1196.5	1151.7
152.5°	1479.1	1506.7	1479.1	1451.5	1444.6	1391.9	1321.5	1286.3	1259.3	1205.3	1164.8
155°	1435.1	1453.4	1435.1	1416.8	1412.2	1370.3	1314.3	1286.3	1265.8	1224.6	1193.6
157.5°	1400.4	1413.2	1400.4	1387.5	1384.3	1351.7	1308.1	1286.3	1272.1	1243.8	1222.5
160°	1379.5	1386.9	1379.5	1372.1	1370.3	1342.3	1305.0	1286.3	1275.0	1252.5	1235.6
162.5°	1365.9	1372.9	1365.9	1359.0	1357.2	1333.5	1302.0	1286.3	1278.2	1261.9	1249.6
165°	1346.3	1353.6	1346.3	1339.0	1337.1	1320.2	1297.7	1286.3	1282.6	1275.2	1269.7
167.5°	1332.2	1335.3	1332.2	1329.1	1328.3	1317.3	1302.5	1295.1	1292.0	1285.8	1281.1
170°	1328.3	1328.3	1328.3	1328.3	1328.3	1317.3	1302.5	1295.1	1294.9	1294.5	1294.2
172.5°	1317.9	1315.2	1317.9	1320.6	1321.3	1312.6	1300.9	1295.1	1295.1	1295.1	1295.1
175°	1311.7	1311.7	1311.7	1311.7	1311.7	1306.2	1298.8	1295.1	1296.9	1300.4	1303.0
177.5°	1306.1	1303.0	1306.1	1309.2	1310.0	1305.6	1299.7	1296.8	1298.2	1300.9	1303.0
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P936141

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6
2.5°	2543.2	2528.9	2528.9	2505.3	2495.8	2488.7	2476.8	2441.2	2431.7	2422.2	2436.4
5°	2564.6	2538.5	2519.5	2476.8	2441.2	2427.0	2381.9	2296.5	2239.6	2196.8	2173.1
7.5°	2569.3	2536.0	2500.5	2434.1	2348.6	2310.7	2173.1	2016.5	1973.8	1935.9	1912.1
10°	2564.6	2526.6	2476.8	2377.1	2175.5	2109.1	1971.5	1869.4	1843.3	1836.2	1843.3
12.5°	2547.9	2512.4	2443.6	2277.5	1995.2	1950.1	1869.4	1810.2	1805.4	1817.3	1881.3
15°	2519.5	2486.2	2405.7	2144.7	1895.6	1862.3	1805.4	1784.1	1810.2	1893.2	2085.3
17.5°	2491.0	2453.0	2353.4	2014.2	1819.6	1795.9	1755.6	1798.3	1945.4	2056.8	2120.9
20°	2453.0	2408.0	2294.1	1919.2	1765.1	1743.7	1724.7	1916.9	2028.4	2068.7	2104.3
22.5°	2408.0	2360.5	2213.5	1852.9	1708.1	1691.5	1703.4	1983.4	2028.4	2056.8	2087.7
25°	2348.6	2308.3	2118.5	1800.6	1663.0	1644.1	1689.1	1976.2	2002.3	2009.4	2071.1
27.5°	2294.1	2241.9	2018.9	1753.2	1608.4	1601.3	1701.0	1945.4	1964.4	1971.5	2037.8
30°	2227.7	2149.4	1907.4	1703.4	1551.5	1549.2	1703.4	1907.4	1902.7	1921.7	1988.0
32.5°	2158.9	2011.8	1781.6	1641.7	1497.0	1494.6	1686.8	1850.4	1845.8	1871.8	1921.7
35°	2094.9	1905.0	1610.9	1570.5	1428.1	1430.6	1646.5	1784.1	1786.4	1810.2	1841.0
37.5°	2028.4	1812.5	1423.5	1492.3	1361.8	1361.8	1591.9	1722.4	1717.6	1724.7	1767.4
40°	1950.1	1667.8	1257.4	1390.2	1300.1	1293.0	1525.4	1655.9	1639.3	1637.0	1696.3
42.5°	1867.1	1508.8	1134.0	1255.0	1228.9	1219.4	1444.8	1575.3	1544.4	1551.5	1627.4
45°	1776.9	1466.2	1039.1	1060.4	1155.4	1148.2	1357.0	1482.7	1461.4	1480.4	1558.6
47.5°	1686.8	1380.7	1008.3	880.1	1077.1	1074.7	1259.7	1392.6	1380.7	1399.7	1482.7
50°	1563.4	1285.9	1005.9	754.4	989.3	998.7	1143.5	1304.8	1304.8	1321.4	1409.2
52.5°	1404.5	1169.6	913.4	683.3	887.3	915.7	1041.4	1228.9	1233.6	1250.3	1328.5
55°	1259.7	1048.6	846.9	628.7	766.3	828.0	941.8	1150.6	1160.1	1176.7	1247.8
57.5°	1126.9	873.0	832.7	564.7	654.8	714.1	854.0	1074.7	1079.4	1093.7	1162.5
60°	984.5	631.0	763.9	495.9	557.6	602.6	773.4	984.5	1001.2	1010.6	1070.0
62.5°	823.2	457.9	692.7	448.4	510.1	519.5	707.0	899.1	920.5	927.6	963.2
65°	586.0	384.4	588.4	408.1	460.2	462.6	635.8	811.3	830.3	842.2	868.3
67.5°	396.2	313.1	448.4	370.1	422.3	424.6	567.0	709.3	735.4	745.0	761.5
70°	275.2	208.8	332.1	329.8	379.6	384.4	493.4	616.8	640.6	647.7	657.2
72.5°	201.6	168.4	275.2	296.6	334.5	339.3	417.5	512.4	536.1	543.3	548.0
75°	154.2	178.0	223.0	258.6	284.7	287.0	341.6	417.5	434.2	438.9	441.3
77.5°	123.4	166.1	163.7	208.8	232.5	227.8	268.1	322.7	336.9	336.9	336.9
80°	92.5	130.5	123.4	149.5	170.8	166.1	192.2	230.1	234.9	239.6	237.2
82.5°	68.8	83.0	83.0	94.9	113.8	109.2	128.1	149.5	149.5	149.5	154.2
85°	42.7	47.5	37.9	49.8	64.0	61.7	71.1	80.7	83.0	83.0	78.3
87.5°	26.1	21.3	11.9	19.0	28.5	28.5	33.2	35.6	33.2	33.2	33.2
90°	22.7	15.8	8.8	15.8	22.7	24.5	38.5	57.1	66.5	59.1	44.3
92.5°	153.9	94.4	35.0	94.4	153.9	168.8	237.3	328.6	374.3	328.0	235.5
95°	301.6	192.7	83.9	192.7	301.6	328.8	583.9	924.0	1094.0	976.2	740.7
97.5°	337.1	241.2	145.2	241.2	337.1	361.2	786.5	1353.5	1637.0	1562.6	1413.7
100°	366.5	279.5	192.4	279.5	366.5	388.3	860.2	1489.5	1804.1	1809.5	1820.4
102.5°	395.1	313.9	232.6	313.9	395.1	415.4	894.0	1532.2	1851.3	1946.1	2135.7
105°	438.4	369.6	300.8	369.6	438.4	455.6	919.1	1537.0	1846.0	2058.6	2483.8
107.5°	499.0	434.9	370.8	434.9	499.0	515.0	923.7	1468.6	1741.1	2037.7	2630.7
110°	533.8	476.0	418.0	476.0	533.8	548.3	916.8	1407.9	1653.6	1985.1	2648.2



TEST NUMBER: P936141

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	574.7	519.5	464.4	519.5	574.7	588.5	917.0	1355.0	1574.0	1913.3	2591.9
115°	636.2	585.2	534.3	585.2	636.2	648.9	925.5	1294.3	1478.7	1805.6	2459.3
117.5°	695.9	649.6	603.4	649.6	695.9	707.5	942.7	1256.3	1413.2	1708.2	2298.1
120°	730.8	687.2	643.6	687.2	730.8	741.6	956.7	1243.5	1386.9	1656.5	2195.5
122.5°	770.9	726.9	683.0	726.9	770.9	781.8	976.8	1236.8	1366.8	1609.6	2095.0
125°	823.4	783.3	743.3	783.3	823.4	833.4	1003.9	1231.3	1344.9	1551.1	1963.4
127.5°	873.1	832.6	792.3	832.6	873.1	883.2	1031.0	1228.0	1326.5	1503.6	1857.6
130°	905.6	862.1	818.5	862.1	905.6	916.5	1050.9	1230.1	1319.6	1477.2	1792.4
132.5°	932.7	889.2	845.6	889.2	932.7	943.6	1066.9	1231.3	1313.4	1454.5	1736.7
135°	965.2	925.5	885.8	925.5	965.2	975.1	1084.4	1230.1	1303.0	1421.1	1657.4
137.5°	1005.5	966.2	926.9	966.2	1005.5	1015.3	1110.6	1237.6	1301.2	1401.1	1600.9
140°	1033.3	997.2	961.1	997.2	1033.3	1042.4	1126.6	1239.0	1295.1	1381.4	1553.9
142.5°	1054.2	1020.7	987.2	1020.7	1054.2	1062.5	1140.1	1243.4	1295.1	1370.9	1522.4
145°	1085.8	1056.7	1027.5	1056.7	1085.8	1093.1	1157.5	1243.4	1286.3	1348.3	1472.3
147.5°	1124.5	1096.1	1067.7	1096.1	1124.5	1131.6	1183.2	1251.9	1286.3	1335.1	1432.6
150°	1145.2	1119.6	1094.0	1119.6	1145.2	1151.7	1196.5	1256.4	1286.3	1327.6	1409.9
152.5°	1160.0	1140.5	1121.1	1140.5	1160.0	1164.8	1205.3	1259.3	1286.3	1321.5	1391.9
155°	1190.1	1175.7	1161.3	1175.7	1190.1	1193.6	1224.6	1265.8	1286.3	1314.3	1370.3
157.5°	1219.0	1205.0	1191.0	1205.0	1219.0	1222.5	1243.8	1272.1	1286.3	1308.1	1351.7
160°	1232.9	1222.0	1211.2	1222.0	1232.9	1235.6	1252.5	1275.0	1286.3	1305.0	1342.3
162.5°	1247.6	1239.4	1231.3	1239.4	1247.6	1249.6	1261.9	1278.2	1286.3	1302.0	1333.5
165°	1267.8	1260.5	1253.2	1260.5	1267.8	1269.7	1275.2	1282.6	1286.3	1297.7	1320.2
167.5°	1280.3	1276.7	1273.3	1276.7	1280.3	1281.1	1285.8	1292.0	1295.1	1302.5	1317.3
170°	1293.4	1289.8	1286.3	1289.8	1293.4	1294.2	1294.5	1294.9	1295.1	1302.5	1317.3
172.5°	1294.9	1294.1	1293.4	1294.1	1294.9	1295.1	1295.1	1295.1	1295.1	1300.9	1312.6
175°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1300.4	1296.9	1295.1	1298.8	1306.2
177.5°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1300.9	1298.2	1296.8	1299.7	1305.6
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P936141

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6	2507.6
2.5°	2419.9	2412.8	2422.2	2396.1	2422.2	2412.8	2419.9	2436.4	2422.2	2431.7	2441.2
5°	2123.3	2111.4	2073.5	2042.6	2073.5	2111.4	2123.3	2173.1	2196.8	2239.6	2296.5
7.5°	1897.9	1888.4	1878.9	1860.0	1878.9	1888.4	1897.9	1912.1	1935.9	1973.8	2016.5
10°	1848.1	1850.4	1864.7	1862.3	1864.7	1850.4	1848.1	1843.3	1836.2	1843.3	1869.4
12.5°	1976.2	1997.6	2075.9	2071.1	2075.9	1997.6	1976.2	1881.3	1817.3	1805.4	1810.2
15°	2123.3	2130.4	2147.0	2149.4	2147.0	2130.4	2123.3	2085.3	1893.2	1810.2	1784.1
17.5°	2137.5	2139.9	2151.8	2151.8	2151.8	2139.9	2137.5	2120.9	2056.8	1945.4	1798.3
20°	2125.7	2130.4	2154.1	2158.9	2154.1	2130.4	2125.7	2104.3	2068.7	2028.4	1916.9
22.5°	2120.9	2130.4	2149.4	2147.0	2149.4	2130.4	2120.9	2087.7	2056.8	2028.4	1983.4
25°	2097.2	2097.2	2099.5	2102.0	2099.5	2097.2	2097.2	2071.1	2009.4	2002.3	1976.2
27.5°	2047.4	2052.1	2066.4	2064.0	2066.4	2052.1	2047.4	2037.8	1971.5	1964.4	1945.4
30°	2002.3	1997.6	1985.7	1976.2	1985.7	1997.6	2002.3	1988.0	1921.7	1902.7	1907.4
32.5°	1926.4	1914.6	1902.7	1895.6	1902.7	1914.6	1926.4	1921.7	1871.8	1845.8	1850.4
35°	1836.2	1838.6	1836.2	1829.1	1836.2	1838.6	1836.2	1841.0	1810.2	1786.4	1784.1
37.5°	1772.2	1776.9	1774.5	1765.1	1774.5	1776.9	1772.2	1767.4	1724.7	1717.6	1722.4
40°	1705.7	1708.1	1705.7	1698.6	1705.7	1708.1	1705.7	1696.3	1637.0	1639.3	1655.9
42.5°	1641.7	1639.3	1632.2	1627.4	1632.2	1639.3	1641.7	1627.4	1551.5	1544.4	1575.3
45°	1568.2	1570.5	1556.3	1549.2	1556.3	1570.5	1568.2	1558.6	1480.4	1461.4	1482.7
47.5°	1494.6	1494.6	1482.7	1475.6	1482.7	1494.6	1494.6	1482.7	1399.7	1380.7	1392.6
50°	1416.4	1413.9	1397.4	1395.0	1397.4	1413.9	1416.4	1409.2	1321.4	1304.8	1304.8
52.5°	1326.2	1326.2	1328.5	1333.3	1328.5	1326.2	1326.2	1328.5	1250.3	1233.6	1228.9
55°	1247.8	1250.3	1266.9	1271.6	1266.9	1250.3	1247.8	1247.8	1176.7	1160.1	1150.6
57.5°	1167.3	1167.3	1179.0	1179.0	1179.0	1167.3	1167.3	1162.5	1093.7	1079.4	1074.7
60°	1074.7	1079.4	1088.9	1086.6	1088.9	1079.4	1074.7	1070.0	1010.6	1001.2	984.5
62.5°	977.4	982.2	984.5	979.8	984.5	982.2	977.4	963.2	927.6	920.5	899.1
65°	875.4	880.1	882.5	877.8	882.5	880.1	875.4	868.3	842.2	830.3	811.3
67.5°	771.0	768.6	766.3	775.8	766.3	768.6	771.0	761.5	745.0	735.4	709.3
70°	664.3	664.3	661.9	666.6	661.9	664.3	664.3	657.2	647.7	640.6	616.8
72.5°	550.4	548.0	557.6	550.4	557.6	548.0	550.4	548.0	543.3	536.1	512.4
75°	438.9	443.6	438.9	446.0	438.9	443.6	438.9	441.3	438.9	434.2	417.5
77.5°	334.5	339.3	334.5	334.5	334.5	339.3	334.5	336.9	336.9	336.9	322.7
80°	237.2	234.9	234.9	232.5	234.9	234.9	237.2	237.2	239.6	234.9	230.1
82.5°	151.8	149.5	149.5	154.2	149.5	149.5	151.8	154.2	149.5	149.5	149.5
85°	83.0	85.4	80.7	80.7	80.7	85.4	83.0	78.3	83.0	83.0	80.7
87.5°	30.8	28.5	28.5	28.5	28.5	28.5	30.8	33.2	33.2	33.2	35.6
90°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	44.3	59.1	66.5	57.1
92.5°	166.2	159.6	133.1	106.6	133.1	159.6	166.2	235.5	328.0	374.3	328.6
95°	564.0	544.0	463.9	383.9	463.9	544.0	564.0	740.7	976.2	1094.0	924.0
97.5°	1302.1	1264.0	1111.6	959.3	1111.6	1264.0	1302.1	1413.7	1562.6	1637.0	1353.5
100°	1828.6	1783.2	1601.7	1420.2	1601.7	1783.2	1828.6	1820.4	1809.5	1804.1	1489.5
102.5°	2278.0	2239.1	2083.6	1928.2	2083.6	2239.1	2278.0	2135.7	1946.1	1851.3	1532.2
105°	2802.7	2781.8	2698.2	2614.7	2698.2	2781.8	2802.7	2483.8	2058.6	1846.0	1537.0
107.5°	3075.6	3080.6	3100.8	3121.0	3100.8	3080.6	3075.6	2630.7	2037.7	1741.1	1468.6
110°	3145.5	3167.3	3254.3	3341.4	3254.3	3167.3	3145.5	2648.2	1985.1	1653.6	1407.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3100.9	3134.3	3268.0	3401.7	3268.0	3134.3	3100.9	2591.9	1913.3	1574.0	1355.0
115°	2949.6	2995.9	3181.3	3366.7	3181.3	2995.9	2949.6	2459.3	1805.6	1478.7	1294.3
117.5°	2740.6	2792.0	2997.6	3203.2	2997.6	2792.0	2740.6	2298.1	1708.2	1413.2	1256.3
120°	2599.8	2649.7	2849.5	3049.3	2849.5	2649.7	2599.8	2195.5	1656.5	1386.9	1243.5
122.5°	2459.0	2508.3	2705.3	2902.4	2705.3	2508.3	2459.0	2095.0	1609.6	1366.8	1236.8
125°	2272.7	2318.1	2499.6	2681.1	2499.6	2318.1	2272.7	1963.4	1551.1	1344.9	1231.3
127.5°	2123.2	2161.5	2314.6	2467.8	2314.6	2161.5	2123.2	1857.6	1503.6	1326.5	1228.0
130°	2028.8	2064.1	2205.6	2347.0	2205.6	2064.1	2028.8	1792.4	1477.2	1319.6	1230.1
132.5°	1948.3	1980.0	2106.6	2233.4	2106.6	1980.0	1948.3	1736.7	1454.5	1313.4	1231.3
135°	1834.6	1861.9	1971.2	2080.4	1971.2	1861.9	1834.6	1657.4	1421.1	1303.0	1230.1
137.5°	1750.7	1773.0	1862.5	1951.9	1862.5	1773.0	1750.7	1600.9	1401.1	1301.2	1237.6
140°	1683.4	1704.2	1787.8	1871.4	1787.8	1704.2	1683.4	1553.9	1381.4	1295.1	1239.0
142.5°	1636.1	1654.1	1726.0	1797.9	1726.0	1654.1	1636.1	1522.4	1370.9	1295.1	1243.4
145°	1565.4	1578.9	1633.3	1687.7	1633.3	1578.9	1565.4	1472.3	1348.3	1286.3	1243.4
147.5°	1505.8	1517.1	1562.2	1607.3	1562.2	1517.1	1505.8	1432.6	1335.1	1286.3	1251.9
150°	1471.7	1480.9	1517.4	1553.9	1517.4	1480.9	1471.7	1409.9	1327.6	1286.3	1256.4
152.5°	1444.6	1451.5	1479.1	1506.7	1479.1	1451.5	1444.6	1391.9	1321.5	1286.3	1259.3
155°	1412.2	1416.8	1435.1	1453.4	1435.1	1416.8	1412.2	1370.3	1314.3	1286.3	1265.8
157.5°	1384.3	1387.5	1400.4	1413.2	1400.4	1387.5	1384.3	1351.7	1308.1	1286.3	1272.1
160°	1370.3	1372.1	1379.5	1386.9	1379.5	1372.1	1370.3	1342.3	1305.0	1286.3	1275.0
162.5°	1357.2	1359.0	1365.9	1372.9	1365.9	1359.0	1357.2	1333.5	1302.0	1286.3	1278.2
165°	1337.1	1339.0	1346.3	1353.6	1346.3	1339.0	1337.1	1320.2	1297.7	1286.3	1282.6
167.5°	1328.3	1329.1	1332.2	1335.3	1332.2	1329.1	1328.3	1317.3	1302.5	1295.1	1292.0
170°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1317.3	1302.5	1295.1	1294.9
172.5°	1321.3	1320.6	1317.9	1315.2	1317.9	1320.6	1321.3	1312.6	1300.9	1295.1	1295.1
175°	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1306.2	1298.8	1295.1	1296.9
177.5°	1310.0	1309.2	1306.1	1303.0	1306.1	1309.2	1310.0	1305.6	1299.7	1296.8	1298.2
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2507.6	2507.6	2507.6	2507.6	2507.6
2.5°	2476.8	2488.7	2495.8	2505.3	2528.9
5°	2381.9	2427.0	2441.2	2476.8	2519.5
7.5°	2173.1	2310.7	2348.6	2434.1	2500.5
10°	1971.5	2109.1	2175.5	2377.1	2476.8
12.5°	1869.4	1950.1	1995.2	2277.5	2443.6
15°	1805.4	1862.3	1895.6	2144.7	2405.7
17.5°	1755.6	1795.9	1819.6	2014.2	2353.4
20°	1724.7	1743.7	1765.1	1919.2	2294.1
22.5°	1703.4	1691.5	1708.1	1852.9	2213.5
25°	1689.1	1644.1	1663.0	1800.6	2118.5
27.5°	1701.0	1601.3	1608.4	1753.2	2018.9
30°	1703.4	1549.2	1551.5	1703.4	1907.4
32.5°	1686.8	1494.6	1497.0	1641.7	1781.6
35°	1646.5	1430.6	1428.1	1570.5	1610.9
37.5°	1591.9	1361.8	1361.8	1492.3	1423.5
40°	1525.4	1293.0	1300.1	1390.2	1257.4
42.5°	1444.8	1219.4	1228.9	1255.0	1134.0
45°	1357.0	1148.2	1155.4	1060.4	1039.1
47.5°	1259.7	1074.7	1077.1	880.1	1008.3
50°	1143.5	998.7	989.3	754.4	1005.9
52.5°	1041.4	915.7	887.3	683.3	913.4
55°	941.8	828.0	766.3	628.7	846.9
57.5°	854.0	714.1	654.8	564.7	832.7
60°	773.4	602.6	557.6	495.9	763.9
62.5°	707.0	519.5	510.1	448.4	692.7
65°	635.8	462.6	460.2	408.1	588.4
67.5°	567.0	424.6	422.3	370.1	448.4
70°	493.4	384.4	379.6	329.8	332.1
72.5°	417.5	339.3	334.5	296.6	275.2
75°	341.6	287.0	284.7	258.6	223.0
77.5°	268.1	227.8	232.5	208.8	163.7
80°	192.2	166.1	170.8	149.5	123.4
82.5°	128.1	109.2	113.8	94.9	83.0
85°	71.1	61.7	64.0	49.8	37.9
87.5°	33.2	28.5	28.5	19.0	11.9
90°	38.5	24.5	22.7	15.8	8.8
92.5°	237.3	168.8	153.9	94.4	35.0
95°	583.9	328.8	301.6	192.7	83.9
97.5°	786.5	361.2	337.1	241.2	145.2
100°	860.2	388.3	366.5	279.5	192.4
102.5°	894.0	415.4	395.1	313.9	232.6
105°	919.1	455.6	438.4	369.6	300.8
107.5°	923.7	515.0	499.0	434.9	370.8
110°	916.8	548.3	533.8	476.0	418.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	917.0	588.5	574.7	519.5	464.4
115°	925.5	648.9	636.2	585.2	534.3
117.5°	942.7	707.5	695.9	649.6	603.4
120°	956.7	741.6	730.8	687.2	643.6
122.5°	976.8	781.8	770.9	726.9	683.0
125°	1003.9	833.4	823.4	783.3	743.3
127.5°	1031.0	883.2	873.1	832.6	792.3
130°	1050.9	916.5	905.6	862.1	818.5
132.5°	1066.9	943.6	932.7	889.2	845.6
135°	1084.4	975.1	965.2	925.5	885.8
137.5°	1110.6	1015.3	1005.5	966.2	926.9
140°	1126.6	1042.4	1033.3	997.2	961.1
142.5°	1140.1	1062.5	1054.2	1020.7	987.2
145°	1157.5	1093.1	1085.8	1056.7	1027.5
147.5°	1183.2	1131.6	1124.5	1096.1	1067.7
150°	1196.5	1151.7	1145.2	1119.6	1094.0
152.5°	1205.3	1164.8	1160.0	1140.5	1121.1
155°	1224.6	1193.6	1190.1	1175.7	1161.3
157.5°	1243.8	1222.5	1219.0	1205.0	1191.0
160°	1252.5	1235.6	1232.9	1222.0	1211.2
162.5°	1261.9	1249.6	1247.6	1239.4	1231.3
165°	1275.2	1269.7	1267.8	1260.5	1253.2
167.5°	1285.8	1281.1	1280.3	1276.7	1273.3
170°	1294.5	1294.2	1293.4	1289.8	1286.3
172.5°	1295.1	1295.1	1294.9	1294.1	1293.4
175°	1300.4	1303.0	1303.0	1303.0	1303.0
177.5°	1300.9	1303.0	1303.0	1303.0	1303.0
180°	1303.0	1303.0	1303.0	1303.0	1303.0



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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	13.70	14.50	14.71	15.52	16.88	16.52	17.33	17.53	18.35	19.71
	3H	14.17	14.89	15.19	15.92	17.30	17.86	18.58	18.88	19.61	20.99
	4H	14.36	15.04	15.39	16.07	17.46	18.30	18.99	19.34	20.02	21.41
	6H	14.48	15.10	15.52	16.14	17.54	18.58	19.21	19.63	20.25	21.65
	8H	14.47	15.07	15.52	16.13	17.52	18.65	19.25	19.70	20.31	21.70
	12H	14.44	15.01	15.50	16.06	17.48	18.69	19.26	19.74	20.31	21.73
4H	2H	14.72	15.41	15.76	16.44	17.83	16.92	17.61	17.96	18.64	20.03
	3H	15.74	16.31	16.79	17.37	18.78	18.42	18.99	19.47	20.05	21.46
	4H	16.02	16.54	17.07	17.59	19.02	18.95	19.47	20.00	20.52	21.95
	6H	16.14	16.59	17.20	17.66	19.08	19.31	19.76	20.37	20.83	22.25
	8H	16.14	16.56	17.21	17.63	19.06	19.41	19.83	20.48	20.90	22.33
	12H	16.11	16.49	17.19	17.57	19.01	19.47	19.84	20.55	20.93	22.37
8H	4H	16.47	16.88	17.53	17.95	19.39	19.07	19.49	20.13	20.55	21.99
	6H	16.72	17.07	17.81	18.18	19.61	19.50	19.85	20.59	20.96	22.39
	8H	16.77	17.07	17.86	18.16	19.61	19.65	19.95	20.75	21.05	22.50
	12H	16.75	17.02	17.85	18.10	19.59	19.75	20.01	20.85	21.10	22.59
12H	4H	16.47	16.85	17.55	17.93	19.37	19.03	19.41	20.11	20.49	21.93
	6H	16.78	17.09	17.88	18.18	19.63	19.50	19.80	20.59	20.89	22.34
	8H	16.85	17.12	17.95	18.20	19.69	19.66	19.92	20.75	21.01	22.50