

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: P935696

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935696
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

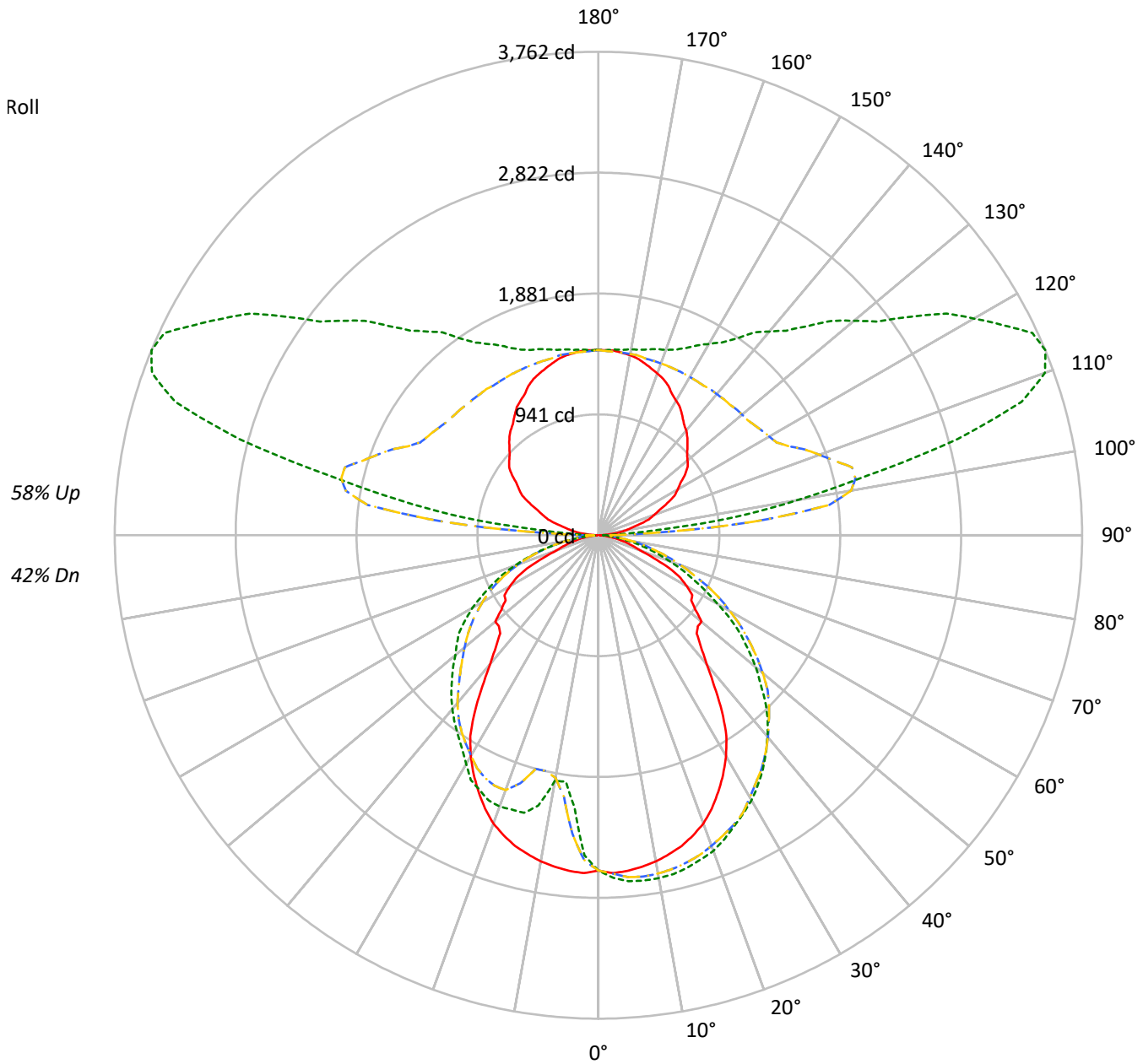
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16111.5 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 128.8
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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12104	12104	12104	12104
5°	12194	12218	12194	9607
10°	12112	12035	12112	8604
15°	11981	11775	11981	9832
20°	11731	11466	11731	9853
25°	11217	11015	11217	9644
30°	10554	10641	10554	9186
35°	9409	10168	9409	8681
40°	7840	9611	7840	8301
45°	7005	8959	7005	7863
50°	7443	8182	7443	7424
55°	7002	7344	7002	7170
60°	7218	6237	7218	6567
65°	6544	5156	6544	5763
70°	4531	4109	4531	4831
75°	3973	3037	3973	3637
80°	3201	2008	3201	2187
85°	1840	1063	1840	904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	1.5
10°-20°	668.6	4.1
20°-30°	1033.5	6.4
30°-40°	1233.8	7.7
40°-50°	1241.1	7.7
50°-60°	1079.9	6.7
60°-70°	765.6	4.8
70°-80°	405.1	2.5
80°-90°	106.4	0.7
90°-100°	702.5	4.4
100°-110°	1846.8	11.5
110°-120°	1914.9	11.9
120°-130°	1536.0	9.5
130°-140°	1205.2	7.5
140°-150°	925.0	5.7
150°-160°	666.2	4.1
160°-170°	407.6	2.5
170°-180°	137.7	0.9
0°-30°	1937.6	12.0
0°-40°	3171.5	19.7
0°-60°	5492.4	34.1
0°-90°	6769.5	42.0
90°-120°	4464.2	27.7
90°-150°	8130.5	50.5
90°-180°	9342.0	58.0
0°-180°	16111.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2609	2609	2609	2609	2609	
5°	2621	2702	2621	2125	2621	249
15°	2503	2678	2503	2236	2503	704
25°	2204	2498	2204	2187	2204	1012
35°	1676	2229	1676	1903	1676	1037
45°	1081	1836	1081	1612	1081	866
55°	881	1355	881	1323	881	810
65°	612	817	612	913	612	585
75°	232	388	232	464	232	244
85°	40	99	40	84	40	53
90°	10	37	10	37	10	10
95°	93	425	93	425	93	103
105°	333	2892	333	2892	333	353
115°	591	3724	591	3724	591	584
125°	822	2965	822	2965	822	730
135°	980	2301	980	2301	980	758
145°	1136	1867	1136	1867	1136	712
155°	1284	1607	1284	1607	1284	590
165°	1386	1497	1386	1497	1386	391
175°	1441	1451	1441	1451	1441	137
180°	1441	1441	1441	1441	1441	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2631.0	2631.0	2645.7	2650.7	2650.7	2643.3	2635.9	2643.3	2665.5	2672.9	2670.5
5°	2621.1	2640.8	2668.0	2672.9	2677.9	2675.3	2670.5	2675.3	2700.1	2705.1	2707.5
7.5°	2601.4	2638.4	2672.9	2680.3	2687.8	2680.3	2677.9	2682.8	2707.5	2712.4	2712.4
10°	2576.6	2628.5	2668.0	2672.9	2680.3	2672.9	2672.9	2682.8	2707.5	2712.4	2714.9
12.5°	2542.1	2613.7	2650.7	2655.6	2665.5	2663.0	2660.6	2670.5	2695.2	2700.1	2700.1
15°	2502.7	2586.5	2621.1	2626.0	2643.3	2638.4	2638.4	2648.3	2675.3	2682.8	2680.3
17.5°	2448.3	2552.0	2591.5	2598.9	2611.2	2608.8	2611.2	2621.1	2645.7	2650.7	2653.2
20°	2386.7	2505.1	2552.0	2559.3	2571.8	2571.8	2571.8	2584.1	2608.8	2618.7	2618.7
22.5°	2302.7	2455.8	2505.1	2510.0	2524.8	2524.8	2529.7	2547.0	2569.2	2571.8	2571.8
25°	2204.0	2401.4	2443.3	2458.2	2473.0	2480.4	2487.8	2497.7	2505.1	2502.7	2505.1
27.5°	2100.3	2332.3	2386.7	2396.5	2416.3	2423.6	2433.5	2436.0	2438.5	2445.9	2440.9
30°	1984.3	2236.1	2317.5	2327.4	2359.5	2364.4	2354.5	2359.5	2371.8	2376.7	2381.7
32.5°	1853.5	2092.9	2246.0	2268.1	2297.7	2283.0	2280.5	2287.9	2307.6	2307.6	2312.6
35°	1675.8	1981.9	2179.3	2199.0	2221.2	2204.0	2213.9	2216.3	2228.7	2236.1	2233.6
37.5°	1480.9	1885.6	2110.2	2125.0	2142.3	2120.1	2134.8	2142.3	2152.1	2147.3	2147.3
40°	1308.1	1735.1	2028.7	2038.6	2053.4	2036.1	2051.0	2055.9	2060.9	2055.9	2053.4
42.5°	1179.7	1569.7	1942.3	1954.7	1944.9	1957.2	1962.1	1972.0	1964.6	1954.7	1954.7
45°	1081.0	1525.2	1848.6	1863.4	1848.6	1868.4	1875.8	1875.8	1853.5	1848.6	1846.1
47.5°	1049.0	1436.4	1754.8	1754.8	1747.4	1772.1	1784.4	1767.1	1744.9	1737.5	1737.5
50°	1046.5	1337.7	1626.5	1616.6	1651.1	1680.7	1668.4	1651.1	1633.8	1606.7	1606.7
52.5°	950.3	1216.7	1461.1	1498.1	1552.4	1569.7	1550.0	1532.7	1503.1	1490.8	1480.9
55°	881.1	1090.9	1310.6	1384.6	1441.3	1463.6	1426.5	1409.3	1364.9	1357.5	1352.5
57.5°	866.3	908.2	1172.4	1266.1	1335.2	1332.7	1310.6	1278.5	1241.5	1234.0	1231.6
60°	794.7	656.5	1024.2	1135.3	1206.9	1199.4	1179.7	1150.1	1115.6	1110.6	1105.7
62.5°	720.7	476.3	856.4	982.3	1083.4	1081.0	1063.7	1019.3	994.6	982.3	972.4
65°	612.1	399.8	609.6	817.0	962.6	967.4	930.5	898.4	871.2	856.4	854.0
67.5°	466.4	325.8	412.2	681.2	846.6	841.6	794.7	779.9	745.3	738.0	723.1
70°	345.5	217.2	286.3	552.8	733.0	720.7	683.7	666.4	634.3	617.0	607.1
72.5°	286.3	175.2	209.8	429.5	617.0	602.2	570.1	550.4	523.2	508.4	498.6
75°	232.0	185.1	160.5	318.4	501.0	491.2	461.5	441.8	419.6	399.8	402.3
77.5°	170.3	172.8	128.3	234.4	397.3	382.6	365.3	340.6	330.7	311.0	311.0
80°	128.3	135.7	96.3	160.5	286.3	286.3	271.5	254.2	237.0	227.1	227.1
82.5°	86.4	86.4	71.5	101.2	195.0	187.5	177.7	172.8	162.9	157.9	157.9
85°	39.5	49.3	44.5	61.7	106.1	111.1	111.1	106.1	103.7	98.7	101.2
87.5°	12.3	22.2	27.2	34.6	54.3	56.8	59.2	59.2	59.2	61.7	61.7
90°	9.7	17.5	25.1	27.1	42.6	63.2	73.5	65.3	48.9	36.7	36.7
92.5°	38.7	104.4	170.3	186.7	262.5	363.4	413.9	362.8	260.5	183.7	176.4
95°	92.8	213.2	333.6	363.7	645.8	1021.9	1209.9	1079.7	819.2	623.8	601.7
97.5°	160.6	266.8	372.9	399.5	869.8	1497.0	1810.6	1728.3	1563.6	1440.1	1398.0
100°	212.8	309.1	405.4	429.5	951.4	1647.3	1995.3	2001.3	2013.3	2022.4	1972.2
102.5°	257.2	347.1	436.9	459.4	988.8	1694.6	2047.5	2152.4	2362.2	2519.5	2476.5
105°	332.7	408.8	484.8	503.9	1016.5	1700.0	2041.7	2276.8	2747.1	3099.8	3076.7
107.5°	410.1	481.0	551.9	569.6	1021.6	1624.3	1925.6	2253.6	2909.6	3401.5	3407.1
110°	462.3	526.4	590.5	606.4	1014.0	1557.3	1829.0	2195.6	2928.9	3478.9	3503.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	513.6	574.6	635.7	650.9	1014.2	1498.7	1740.9	2116.2	2866.6	3429.6	3466.5
115°	590.9	647.3	703.5	717.6	1023.6	1431.5	1635.5	1997.0	2720.0	3262.3	3313.6
117.5°	667.3	718.5	769.6	782.4	1042.6	1389.5	1563.0	1889.2	2541.7	3031.1	3088.0
120°	711.8	760.0	808.1	820.1	1058.0	1375.3	1533.9	1832.0	2428.2	2875.4	2930.6
122.5°	755.3	803.9	852.5	864.6	1080.3	1367.8	1511.7	1780.1	2317.1	2719.7	2774.2
125°	822.1	866.4	910.6	921.7	1110.2	1361.8	1487.5	1715.6	2171.6	2513.7	2563.8
127.5°	876.3	921.0	965.7	976.9	1140.3	1358.2	1467.2	1663.0	2054.6	2348.3	2390.6
130°	905.2	953.4	1001.5	1013.6	1162.2	1360.4	1459.5	1633.8	1982.4	2243.8	2283.0
132.5°	935.2	983.4	1031.5	1043.6	1179.9	1361.8	1452.7	1608.7	1920.8	2154.8	2189.9
135°	979.8	1023.6	1067.5	1078.4	1199.3	1360.5	1441.1	1571.7	1833.1	2029.1	2059.3
137.5°	1025.2	1068.6	1112.0	1122.9	1228.3	1368.9	1439.1	1549.6	1770.6	1936.3	1961.0
140°	1062.9	1102.9	1142.8	1152.8	1246.0	1370.3	1432.4	1527.8	1718.7	1861.8	1884.9
142.5°	1091.9	1128.9	1165.8	1175.1	1260.8	1375.2	1432.4	1516.2	1683.8	1809.5	1829.4
145°	1136.4	1168.6	1200.9	1209.0	1280.2	1375.2	1422.7	1491.2	1628.4	1731.3	1746.3
147.5°	1180.9	1212.3	1243.7	1251.6	1308.6	1384.7	1422.7	1476.7	1584.5	1665.5	1677.9
150°	1209.9	1238.3	1266.7	1273.8	1323.4	1389.6	1422.7	1468.2	1559.4	1627.8	1637.9
152.5°	1239.9	1261.4	1282.8	1288.3	1333.1	1392.8	1422.7	1461.6	1539.4	1597.8	1605.5
155°	1284.4	1300.3	1316.2	1320.2	1354.4	1399.9	1422.7	1453.7	1515.6	1562.0	1567.1
157.5°	1317.3	1332.7	1348.2	1352.1	1375.6	1407.0	1422.7	1446.8	1494.9	1531.0	1534.6
160°	1339.5	1351.6	1363.6	1366.6	1385.3	1410.2	1422.7	1443.3	1484.6	1515.5	1517.6
162.5°	1361.8	1370.7	1379.8	1382.0	1395.6	1413.6	1422.7	1440.0	1474.9	1501.0	1503.0
165°	1386.0	1394.2	1402.3	1404.4	1410.4	1418.6	1422.7	1435.2	1460.1	1478.8	1480.9
167.5°	1408.2	1412.0	1415.9	1416.9	1422.0	1428.9	1432.4	1440.5	1456.9	1469.1	1469.9
170°	1422.7	1426.6	1430.5	1431.4	1431.7	1432.2	1432.4	1440.5	1456.9	1469.1	1469.1
172.5°	1430.4	1431.3	1432.2	1432.4	1432.4	1432.4	1432.4	1438.8	1451.7	1461.4	1460.7
175°	1441.1	1441.1	1441.1	1441.1	1438.2	1434.3	1432.4	1436.5	1444.6	1450.8	1450.8
177.5°	1441.1	1441.1	1441.1	1441.1	1438.8	1435.8	1434.3	1437.5	1444.0	1448.8	1448.0
180°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2675.3	2668.0	2675.3	2670.5	2672.9	2665.5	2643.3	2635.9	2643.3	2650.7	2650.7
5°	2707.5	2702.5	2707.5	2707.5	2705.1	2700.1	2675.3	2670.5	2675.3	2677.9	2672.9
7.5°	2717.4	2709.9	2717.4	2712.4	2712.4	2707.5	2682.8	2677.9	2680.3	2687.8	2680.3
10°	2717.4	2709.9	2717.4	2714.9	2712.4	2707.5	2682.8	2672.9	2672.9	2680.3	2672.9
12.5°	2705.1	2700.1	2705.1	2700.1	2700.1	2695.2	2670.5	2660.6	2663.0	2665.5	2655.6
15°	2685.2	2677.9	2685.2	2680.3	2682.8	2675.3	2648.3	2638.4	2638.4	2643.3	2626.0
17.5°	2655.6	2645.7	2655.6	2653.2	2650.7	2645.7	2621.1	2611.2	2608.8	2611.2	2598.9
20°	2621.1	2613.7	2621.1	2618.7	2618.7	2608.8	2584.1	2571.8	2571.8	2571.8	2559.3
22.5°	2566.8	2559.3	2566.8	2571.8	2571.8	2569.2	2547.0	2529.7	2524.8	2524.8	2510.0
25°	2505.1	2497.7	2505.1	2505.1	2502.7	2505.1	2497.7	2487.8	2480.4	2473.0	2458.2
27.5°	2445.9	2440.9	2445.9	2440.9	2445.9	2438.5	2436.0	2433.5	2423.6	2416.3	2396.5
30°	2386.7	2381.7	2386.7	2381.7	2376.7	2371.8	2359.5	2354.5	2364.4	2359.5	2327.4
32.5°	2312.6	2307.6	2312.6	2312.6	2307.6	2307.6	2287.9	2280.5	2283.0	2297.7	2268.1
35°	2236.1	2228.7	2236.1	2233.6	2236.1	2228.7	2216.3	2213.9	2204.0	2221.2	2199.0
37.5°	2147.3	2139.8	2147.3	2147.3	2147.3	2152.1	2142.3	2134.8	2120.1	2142.3	2125.0
40°	2055.9	2046.0	2055.9	2053.4	2055.9	2060.9	2055.9	2051.0	2036.1	2053.4	2038.6
42.5°	1952.2	1949.8	1952.2	1954.7	1954.7	1964.6	1972.0	1962.1	1957.2	1944.9	1954.7
45°	1841.2	1836.2	1841.2	1846.1	1848.6	1853.5	1875.8	1875.8	1868.4	1848.6	1863.4
47.5°	1722.7	1710.3	1722.7	1737.5	1737.5	1744.9	1767.1	1784.4	1772.1	1747.4	1754.8
50°	1596.9	1599.3	1596.9	1606.7	1606.7	1633.8	1651.1	1668.4	1680.7	1651.1	1616.6
52.5°	1473.5	1471.0	1473.5	1480.9	1490.8	1503.1	1532.7	1550.0	1569.7	1552.4	1498.1
55°	1350.0	1355.0	1350.0	1352.5	1357.5	1364.9	1409.3	1426.5	1463.6	1441.3	1384.6
57.5°	1226.6	1219.2	1226.6	1231.6	1234.0	1241.5	1278.5	1310.6	1332.7	1335.2	1266.1
60°	1083.4	1073.6	1083.4	1105.7	1110.6	1115.6	1150.1	1179.7	1199.4	1206.9	1135.3
62.5°	957.6	940.4	957.6	972.4	982.3	994.6	1019.3	1063.7	1081.0	1083.4	982.3
65°	824.3	817.0	824.3	854.0	856.4	871.2	898.4	930.5	967.4	962.6	817.0
67.5°	703.4	703.4	703.4	723.1	738.0	745.3	779.9	794.7	841.6	846.6	681.2
70°	592.3	589.9	592.3	607.1	617.0	634.3	666.4	683.7	720.7	733.0	552.8
72.5°	486.2	483.7	486.2	498.6	508.4	523.2	550.4	570.1	602.2	617.0	429.5
75°	392.5	387.5	392.5	402.3	399.8	419.6	441.8	461.5	491.2	501.0	318.4
77.5°	301.1	301.1	301.1	311.0	311.0	330.7	340.6	365.3	382.6	397.3	234.4
80°	224.6	222.1	224.6	227.1	227.1	237.0	254.2	271.5	286.3	286.3	160.5
82.5°	157.9	153.0	157.9	157.9	157.9	162.9	172.8	177.7	187.5	195.0	101.2
85°	98.7	98.7	98.7	101.2	98.7	103.7	106.1	111.1	111.1	106.1	61.7
87.5°	64.2	61.7	64.2	61.7	61.7	59.2	59.2	59.2	56.8	54.3	34.6
90°	36.7	36.7	36.7	36.7	36.7	48.9	65.3	73.5	63.2	42.6	27.1
92.5°	147.2	118.0	147.2	176.4	183.7	260.5	362.8	413.9	363.4	262.5	186.7
95°	513.1	424.6	513.1	601.7	623.8	819.2	1079.7	1209.9	1021.9	645.8	363.7
97.5°	1229.5	1061.0	1229.5	1398.0	1440.1	1563.6	1728.3	1810.6	1497.0	869.8	399.5
100°	1771.4	1570.7	1771.4	1972.2	2022.4	2013.3	2001.3	1995.3	1647.3	951.4	429.5
102.5°	2304.6	2132.6	2304.6	2476.5	2519.5	2362.2	2152.4	2047.5	1694.6	988.8	459.4
105°	2984.2	2891.9	2984.2	3076.7	3099.8	2747.1	2276.8	2041.7	1700.0	1016.5	503.9
107.5°	3429.5	3451.8	3429.5	3407.1	3401.5	2909.6	2253.6	1925.6	1624.3	1021.6	569.6
110°	3599.3	3695.6	3599.3	3503.0	3478.9	2928.9	2195.6	1829.0	1557.3	1014.0	606.4



TEST NUMBER: P935696

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3614.4	3762.2	3614.4	3466.5	3429.6	2866.6	2116.2	1740.9	1498.7	1014.2	650.9
115°	3518.6	3723.6	3518.6	3313.6	3262.3	2720.0	1997.0	1635.5	1431.5	1023.6	717.6
117.5°	3315.3	3542.8	3315.3	3088.0	3031.1	2541.7	1889.2	1563.0	1389.5	1042.6	782.4
120°	3151.6	3372.5	3151.6	2930.6	2875.4	2428.2	1832.0	1533.9	1375.3	1058.0	820.1
122.5°	2992.2	3210.1	2992.2	2774.2	2719.7	2317.1	1780.1	1511.7	1367.8	1080.3	864.6
125°	2764.6	2965.4	2764.6	2563.8	2513.7	2171.6	1715.6	1487.5	1361.8	1110.2	921.7
127.5°	2560.0	2729.3	2560.0	2390.6	2348.3	2054.6	1663.0	1467.2	1358.2	1140.3	976.9
130°	2439.4	2595.9	2439.4	2283.0	2243.8	1982.4	1633.8	1459.5	1360.4	1162.2	1013.6
132.5°	2330.0	2470.1	2330.0	2189.9	2154.8	1920.8	1608.7	1452.7	1361.8	1179.9	1043.6
135°	2180.1	2300.9	2180.1	2059.3	2029.1	1833.1	1571.7	1441.1	1360.5	1199.3	1078.4
137.5°	2059.8	2158.8	2059.8	1961.0	1936.3	1770.6	1549.6	1439.1	1368.9	1228.3	1122.9
140°	1977.4	2069.7	1977.4	1884.9	1861.8	1718.7	1527.8	1432.4	1370.3	1246.0	1152.8
142.5°	1908.9	1988.5	1908.9	1829.4	1809.5	1683.8	1516.2	1432.4	1375.2	1260.8	1175.1
145°	1806.4	1866.6	1806.4	1746.3	1731.3	1628.4	1491.2	1422.7	1375.2	1280.2	1209.0
147.5°	1727.8	1777.7	1727.8	1677.9	1665.5	1584.5	1476.7	1422.7	1384.7	1308.6	1251.6
150°	1678.3	1718.7	1678.3	1637.9	1627.8	1559.4	1468.2	1422.7	1389.6	1323.4	1273.8
152.5°	1635.9	1666.4	1635.9	1605.5	1597.8	1539.4	1461.6	1422.7	1392.8	1333.1	1288.3
155°	1587.2	1607.4	1587.2	1567.1	1562.0	1515.6	1453.7	1422.7	1399.9	1354.4	1320.2
157.5°	1548.8	1563.0	1548.8	1534.6	1531.0	1494.9	1446.8	1422.7	1407.0	1375.6	1352.1
160°	1525.7	1533.9	1525.7	1517.6	1515.5	1484.6	1443.3	1422.7	1410.2	1385.3	1366.6
162.5°	1510.7	1518.5	1510.7	1503.0	1501.0	1474.9	1440.0	1422.7	1413.6	1395.6	1382.0
165°	1489.0	1497.2	1489.0	1480.9	1478.8	1460.1	1435.2	1422.7	1418.6	1410.4	1404.4
167.5°	1473.4	1476.8	1473.4	1469.9	1469.1	1456.9	1440.5	1432.4	1428.9	1422.0	1416.9
170°	1469.1	1469.1	1469.1	1469.1	1469.1	1456.9	1440.5	1432.4	1432.2	1431.7	1431.4
172.5°	1457.6	1454.6	1457.6	1460.7	1461.4	1451.7	1438.8	1432.4	1432.4	1432.4	1432.4
175°	1450.8	1450.8	1450.8	1450.8	1450.8	1444.6	1436.5	1432.4	1434.3	1438.2	1441.1
177.5°	1444.5	1441.1	1444.5	1448.0	1448.8	1444.0	1437.5	1434.3	1435.8	1438.8	1441.1
180°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1



TEST NUMBER: P935696

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2645.7	2631.0	2631.0	2606.3	2596.4	2589.0	2576.6	2539.6	2529.7	2519.9	2534.7
5°	2668.0	2640.8	2621.1	2576.6	2539.6	2524.8	2477.9	2389.1	2329.9	2285.4	2260.7
7.5°	2672.9	2638.4	2601.4	2532.3	2443.3	2403.9	2260.7	2097.9	2053.4	2014.0	1989.2
10°	2668.0	2628.5	2576.6	2473.0	2263.2	2194.2	2051.0	1944.9	1917.7	1910.3	1917.7
12.5°	2650.7	2613.7	2542.1	2369.4	2075.6	2028.7	1944.9	1883.1	1878.2	1890.5	1957.2
15°	2621.1	2586.5	2502.7	2231.1	1972.0	1937.4	1878.2	1856.0	1883.1	1969.5	2169.4
17.5°	2591.5	2552.0	2448.3	2095.4	1893.0	1868.4	1826.3	1870.8	2023.8	2139.8	2206.5
20°	2552.0	2505.1	2386.7	1996.7	1836.2	1814.0	1794.3	1994.2	2110.2	2152.1	2189.2
22.5°	2505.1	2455.8	2302.7	1927.6	1777.0	1759.7	1772.1	2063.3	2110.2	2139.8	2171.9
25°	2443.3	2401.4	2204.0	1873.2	1730.1	1710.3	1757.2	2055.9	2083.0	2090.5	2154.6
27.5°	2386.7	2332.3	2100.3	1823.9	1673.4	1666.0	1769.6	2023.8	2043.6	2051.0	2120.1
30°	2317.5	2236.1	1984.3	1772.1	1614.1	1611.6	1772.1	1984.3	1979.4	1999.1	2068.2
32.5°	2246.0	2092.9	1853.5	1707.9	1557.4	1554.9	1754.8	1925.1	1920.1	1947.3	1999.1
35°	2179.3	1981.9	1675.8	1633.8	1485.8	1488.2	1712.9	1856.0	1858.5	1883.1	1915.3
37.5°	2110.2	1885.6	1480.9	1552.4	1416.7	1416.7	1656.1	1791.8	1786.9	1794.3	1838.7
40°	2028.7	1735.1	1308.1	1446.3	1352.5	1345.1	1587.0	1722.7	1705.4	1703.0	1764.7
42.5°	1942.3	1569.7	1179.7	1305.6	1278.5	1268.6	1503.1	1638.8	1606.7	1614.1	1693.1
45°	1848.6	1525.2	1081.0	1103.2	1202.0	1194.6	1411.7	1542.5	1520.4	1540.1	1621.5
47.5°	1754.8	1436.4	1049.0	915.7	1120.5	1118.0	1310.6	1448.7	1436.4	1456.2	1542.5
50°	1626.5	1337.7	1046.5	784.8	1029.2	1039.1	1189.6	1357.5	1357.5	1374.8	1466.0
52.5°	1461.1	1216.7	950.3	710.8	923.1	952.7	1083.4	1278.5	1283.4	1300.7	1382.1
55°	1310.6	1090.9	881.1	654.1	797.2	861.3	979.9	1197.0	1206.9	1224.2	1298.2
57.5°	1172.4	908.2	866.3	587.4	681.2	742.9	888.5	1118.0	1122.9	1137.8	1209.3
60°	1024.2	656.5	794.7	515.8	580.0	626.9	804.5	1024.2	1041.5	1051.4	1113.1
62.5°	856.4	476.3	720.7	466.4	530.6	540.5	735.5	935.4	957.6	965.0	1002.0
65°	609.6	399.8	612.1	424.5	478.8	481.3	661.5	844.1	863.9	876.2	903.3
67.5°	412.2	325.8	466.4	385.0	439.4	441.8	589.9	738.0	765.1	774.9	792.2
70°	286.3	217.2	345.5	343.1	394.9	399.8	513.3	641.7	666.4	673.8	683.7
72.5°	209.8	175.2	286.3	308.5	348.0	353.0	434.4	533.1	557.8	565.2	570.1
75°	160.5	185.1	232.0	269.0	296.2	298.6	355.4	434.4	451.7	456.6	459.1
77.5°	128.3	172.8	170.3	217.2	241.9	237.0	278.9	335.7	350.4	350.4	350.4
80°	96.3	135.7	128.3	155.5	177.7	172.8	199.9	239.4	244.3	249.3	246.8
82.5°	71.5	86.4	86.4	98.7	118.4	113.6	133.3	155.5	155.5	155.5	160.5
85°	44.5	49.3	39.5	51.8	66.6	64.2	74.1	83.9	86.4	86.4	81.4
87.5°	27.2	22.2	12.3	19.7	29.6	29.6	34.6	37.0	34.6	34.6	34.6
90°	25.1	17.5	9.7	17.5	25.1	27.1	42.6	63.2	73.5	65.3	48.9
92.5°	170.3	104.4	38.7	104.4	170.3	186.7	262.5	363.4	413.9	362.8	260.5
95°	333.6	213.2	92.8	213.2	333.6	363.7	645.8	1021.9	1209.9	1079.7	819.2
97.5°	372.9	266.8	160.6	266.8	372.9	399.5	869.8	1497.0	1810.6	1728.3	1563.6
100°	405.4	309.1	212.8	309.1	405.4	429.5	951.4	1647.3	1995.3	2001.3	2013.3
102.5°	436.9	347.1	257.2	347.1	436.9	459.4	988.8	1694.6	2047.5	2152.4	2362.2
105°	484.8	408.8	332.7	408.8	484.8	503.9	1016.5	1700.0	2041.7	2276.8	2747.1
107.5°	551.9	481.0	410.1	481.0	551.9	569.6	1021.6	1624.3	1925.6	2253.6	2909.6
110°	590.5	526.4	462.3	526.4	590.5	606.4	1014.0	1557.3	1829.0	2195.6	2928.9



TEST NUMBER: P935696

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	635.7	574.6	513.6	574.6	635.7	650.9	1014.2	1498.7	1740.9	2116.2	2866.6
115°	703.5	647.3	590.9	647.3	703.5	717.6	1023.6	1431.5	1635.5	1997.0	2720.0
117.5°	769.6	718.5	667.3	718.5	769.6	782.4	1042.6	1389.5	1563.0	1889.2	2541.7
120°	808.1	760.0	711.8	760.0	808.1	820.1	1058.0	1375.3	1533.9	1832.0	2428.2
122.5°	852.5	803.9	755.3	803.9	852.5	864.6	1080.3	1367.8	1511.7	1780.1	2317.1
125°	910.6	866.4	822.1	866.4	910.6	921.7	1110.2	1361.8	1487.5	1715.6	2171.6
127.5°	965.7	921.0	876.3	921.0	965.7	976.9	1140.3	1358.2	1467.2	1663.0	2054.6
130°	1001.5	953.4	905.2	953.4	1001.5	1013.6	1162.2	1360.4	1459.5	1633.8	1982.4
132.5°	1031.5	983.4	935.2	983.4	1031.5	1043.6	1179.9	1361.8	1452.7	1608.7	1920.8
135°	1067.5	1023.6	979.8	1023.6	1067.5	1078.4	1199.3	1360.5	1441.1	1571.7	1833.1
137.5°	1112.0	1068.6	1025.2	1068.6	1112.0	1122.9	1228.3	1368.9	1439.1	1549.6	1770.6
140°	1142.8	1102.9	1062.9	1102.9	1142.8	1152.8	1246.0	1370.3	1432.4	1527.8	1718.7
142.5°	1165.8	1128.9	1091.9	1128.9	1165.8	1175.1	1260.8	1375.2	1432.4	1516.2	1683.8
145°	1200.9	1168.6	1136.4	1168.6	1200.9	1209.0	1280.2	1375.2	1422.7	1491.2	1628.4
147.5°	1243.7	1212.3	1180.9	1212.3	1243.7	1251.6	1308.6	1384.7	1422.7	1476.7	1584.5
150°	1266.7	1238.3	1209.9	1238.3	1266.7	1273.8	1323.4	1389.6	1422.7	1468.2	1559.4
152.5°	1282.8	1261.4	1239.9	1261.4	1282.8	1288.3	1333.1	1392.8	1422.7	1461.6	1539.4
155°	1316.2	1300.3	1284.4	1300.3	1316.2	1320.2	1354.4	1399.9	1422.7	1453.7	1515.6
157.5°	1348.2	1332.7	1317.3	1332.7	1348.2	1352.1	1375.6	1407.0	1422.7	1446.8	1494.9
160°	1363.6	1351.6	1339.5	1351.6	1363.6	1366.6	1385.3	1410.2	1422.7	1443.3	1484.6
162.5°	1379.8	1370.7	1361.8	1370.7	1379.8	1382.0	1395.6	1413.6	1422.7	1440.0	1474.9
165°	1402.3	1394.2	1386.0	1394.2	1402.3	1404.4	1410.4	1418.6	1422.7	1435.2	1460.1
167.5°	1415.9	1412.0	1408.2	1412.0	1415.9	1416.9	1422.0	1428.9	1432.4	1440.5	1456.9
170°	1430.5	1426.6	1422.7	1426.6	1430.5	1431.4	1431.7	1432.2	1432.4	1440.5	1456.9
172.5°	1432.2	1431.3	1430.4	1431.3	1432.2	1432.4	1432.4	1432.4	1432.4	1438.8	1451.7
175°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1438.2	1434.3	1432.4	1436.5	1444.6
177.5°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1438.8	1435.8	1434.3	1437.5	1444.0
180°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1



TEST NUMBER: P935696

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2517.4	2510.0	2519.9	2492.8	2519.9	2510.0	2517.4	2534.7	2519.9	2529.7	2539.6
5°	2208.9	2196.6	2157.1	2125.0	2157.1	2196.6	2208.9	2260.7	2285.4	2329.9	2389.1
7.5°	1974.5	1964.6	1954.7	1935.0	1954.7	1964.6	1974.5	1989.2	2014.0	2053.4	2097.9
10°	1922.6	1925.1	1939.9	1937.4	1939.9	1925.1	1922.6	1917.7	1910.3	1917.7	1944.9
12.5°	2055.9	2078.2	2159.6	2154.6	2159.6	2078.2	2055.9	1957.2	1890.5	1878.2	1883.1
15°	2208.9	2216.3	2233.6	2236.1	2233.6	2216.3	2208.9	2169.4	1969.5	1883.1	1856.0
17.5°	2223.8	2226.2	2238.5	2238.5	2238.5	2226.2	2223.8	2206.5	2139.8	2023.8	1870.8
20°	2211.4	2216.3	2241.0	2246.0	2241.0	2216.3	2211.4	2189.2	2152.1	2110.2	1994.2
22.5°	2206.5	2216.3	2236.1	2233.6	2236.1	2216.3	2206.5	2171.9	2139.8	2110.2	2063.3
25°	2181.7	2181.7	2184.3	2186.7	2184.3	2181.7	2181.7	2154.6	2090.5	2083.0	2055.9
27.5°	2130.0	2134.8	2149.7	2147.3	2149.7	2134.8	2130.0	2120.1	2051.0	2043.6	2023.8
30°	2083.0	2078.2	2065.7	2055.9	2065.7	2078.2	2083.0	2068.2	1999.1	1979.4	1984.3
32.5°	2004.1	1991.8	1979.4	1972.0	1979.4	1991.8	2004.1	1999.1	1947.3	1920.1	1925.1
35°	1910.3	1912.7	1910.3	1902.8	1910.3	1912.7	1910.3	1915.3	1883.1	1858.5	1856.0
37.5°	1843.6	1848.6	1846.1	1836.2	1846.1	1848.6	1843.6	1838.7	1794.3	1786.9	1791.8
40°	1774.5	1777.0	1774.5	1767.1	1774.5	1777.0	1774.5	1764.7	1703.0	1705.4	1722.7
42.5°	1707.9	1705.4	1698.0	1693.1	1698.0	1705.4	1707.9	1693.1	1614.1	1606.7	1638.8
45°	1631.4	1633.8	1619.1	1611.6	1619.1	1633.8	1631.4	1621.5	1540.1	1520.4	1542.5
47.5°	1554.9	1554.9	1542.5	1535.1	1542.5	1554.9	1554.9	1542.5	1456.2	1436.4	1448.7
50°	1473.5	1471.0	1453.7	1451.2	1453.7	1471.0	1473.5	1466.0	1374.8	1357.5	1357.5
52.5°	1379.6	1379.6	1382.1	1387.1	1382.1	1379.6	1379.6	1382.1	1300.7	1283.4	1278.5
55°	1298.2	1300.7	1318.0	1322.9	1318.0	1300.7	1298.2	1298.2	1224.2	1206.9	1197.0
57.5°	1214.3	1214.3	1226.6	1226.6	1226.6	1214.3	1214.3	1209.3	1137.8	1122.9	1118.0
60°	1118.0	1122.9	1132.8	1130.4	1132.8	1122.9	1118.0	1113.1	1051.4	1041.5	1024.2
62.5°	1016.8	1021.8	1024.2	1019.3	1024.2	1021.8	1016.8	1002.0	965.0	957.6	935.4
65°	910.7	915.7	918.1	913.2	918.1	915.7	910.7	903.3	876.2	863.9	844.1
67.5°	802.1	799.7	797.2	807.1	797.2	799.7	802.1	792.2	774.9	765.1	738.0
70°	691.1	691.1	688.5	693.5	688.5	691.1	691.1	683.7	673.8	666.4	641.7
72.5°	572.6	570.1	580.0	572.6	580.0	570.1	572.6	570.1	565.2	557.8	533.1
75°	456.6	461.5	456.6	464.0	456.6	461.5	456.6	459.1	456.6	451.7	434.4
77.5°	348.0	353.0	348.0	348.0	348.0	353.0	348.0	350.4	350.4	350.4	335.7
80°	246.8	244.3	244.3	241.9	244.3	244.3	246.8	246.8	249.3	244.3	239.4
82.5°	157.9	155.5	155.5	160.5	155.5	155.5	157.9	160.5	155.5	155.5	155.5
85°	86.4	88.8	83.9	83.9	83.9	88.8	86.4	81.4	86.4	86.4	83.9
87.5°	32.1	29.6	29.6	29.6	29.6	29.6	32.1	34.6	34.6	34.6	37.0
90°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	48.9	65.3	73.5	63.2
92.5°	183.7	176.4	147.2	118.0	147.2	176.4	183.7	260.5	362.8	413.9	363.4
95°	623.8	601.7	513.1	424.6	513.1	601.7	623.8	819.2	1079.7	1209.9	1021.9
97.5°	1440.1	1398.0	1229.5	1061.0	1229.5	1398.0	1440.1	1563.6	1728.3	1810.6	1497.0
100°	2022.4	1972.2	1771.4	1570.7	1771.4	1972.2	2022.4	2013.3	2001.3	1995.3	1647.3
102.5°	2519.5	2476.5	2304.6	2132.6	2304.6	2476.5	2519.5	2362.2	2152.4	2047.5	1694.6
105°	3099.8	3076.7	2984.2	2891.9	2984.2	3076.7	3099.8	2747.1	2276.8	2041.7	1700.0
107.5°	3401.5	3407.1	3429.5	3451.8	3429.5	3407.1	3401.5	2909.6	2253.6	1925.6	1624.3
110°	3478.9	3503.0	3599.3	3695.6	3599.3	3503.0	3478.9	2928.9	2195.6	1829.0	1557.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3429.6	3466.5	3614.4	3762.2	3614.4	3466.5	3429.6	2866.6	2116.2	1740.9	1498.7
115°	3262.3	3313.6	3518.6	3723.6	3518.6	3313.6	3262.3	2720.0	1997.0	1635.5	1431.5
117.5°	3031.1	3088.0	3315.3	3542.8	3315.3	3088.0	3031.1	2541.7	1889.2	1563.0	1389.5
120°	2875.4	2930.6	3151.6	3372.5	3151.6	2930.6	2875.4	2428.2	1832.0	1533.9	1375.3
122.5°	2719.7	2774.2	2992.2	3210.1	2992.2	2774.2	2719.7	2317.1	1780.1	1511.7	1367.8
125°	2513.7	2563.8	2764.6	2965.4	2764.6	2563.8	2513.7	2171.6	1715.6	1487.5	1361.8
127.5°	2348.3	2390.6	2560.0	2729.3	2560.0	2390.6	2348.3	2054.6	1663.0	1467.2	1358.2
130°	2243.8	2283.0	2439.4	2595.9	2439.4	2283.0	2243.8	1982.4	1633.8	1459.5	1360.4
132.5°	2154.8	2189.9	2330.0	2470.1	2330.0	2189.9	2154.8	1920.8	1608.7	1452.7	1361.8
135°	2029.1	2059.3	2180.1	2300.9	2180.1	2059.3	2029.1	1833.1	1571.7	1441.1	1360.5
137.5°	1936.3	1961.0	2059.8	2158.8	2059.8	1961.0	1936.3	1770.6	1549.6	1439.1	1368.9
140°	1861.8	1884.9	1977.4	2069.7	1977.4	1884.9	1861.8	1718.7	1527.8	1432.4	1370.3
142.5°	1809.5	1829.4	1908.9	1988.5	1908.9	1829.4	1809.5	1683.8	1516.2	1432.4	1375.2
145°	1731.3	1746.3	1806.4	1866.6	1806.4	1746.3	1731.3	1628.4	1491.2	1422.7	1375.2
147.5°	1665.5	1677.9	1727.8	1777.7	1727.8	1677.9	1665.5	1584.5	1476.7	1422.7	1384.7
150°	1627.8	1637.9	1678.3	1718.7	1678.3	1637.9	1627.8	1559.4	1468.2	1422.7	1389.6
152.5°	1597.8	1605.5	1635.9	1666.4	1635.9	1605.5	1597.8	1539.4	1461.6	1422.7	1392.8
155°	1562.0	1567.1	1587.2	1607.4	1587.2	1567.1	1562.0	1515.6	1453.7	1422.7	1399.9
157.5°	1531.0	1534.6	1548.8	1563.0	1548.8	1534.6	1531.0	1494.9	1446.8	1422.7	1407.0
160°	1515.5	1517.6	1525.7	1533.9	1525.7	1517.6	1515.5	1484.6	1443.3	1422.7	1410.2
162.5°	1501.0	1503.0	1510.7	1518.5	1510.7	1503.0	1501.0	1474.9	1440.0	1422.7	1413.6
165°	1478.8	1480.9	1489.0	1497.2	1489.0	1480.9	1478.8	1460.1	1435.2	1422.7	1418.6
167.5°	1469.1	1469.9	1473.4	1476.8	1473.4	1469.9	1469.1	1456.9	1440.5	1432.4	1428.9
170°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1456.9	1440.5	1432.4	1432.2
172.5°	1461.4	1460.7	1457.6	1454.6	1457.6	1460.7	1461.4	1451.7	1438.8	1432.4	1432.4
175°	1450.8	1450.8	1450.8	1450.8	1450.8	1450.8	1450.8	1444.6	1436.5	1432.4	1434.3
177.5°	1448.8	1448.0	1444.5	1441.1	1444.5	1448.0	1448.8	1444.0	1437.5	1434.3	1435.8
180°	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1	1441.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2576.6	2589.0	2596.4	2606.3	2631.0
5°	2477.9	2524.8	2539.6	2576.6	2621.1
7.5°	2260.7	2403.9	2443.3	2532.3	2601.4
10°	2051.0	2194.2	2263.2	2473.0	2576.6
12.5°	1944.9	2028.7	2075.6	2369.4	2542.1
15°	1878.2	1937.4	1972.0	2231.1	2502.7
17.5°	1826.3	1868.4	1893.0	2095.4	2448.3
20°	1794.3	1814.0	1836.2	1996.7	2386.7
22.5°	1772.1	1759.7	1777.0	1927.6	2302.7
25°	1757.2	1710.3	1730.1	1873.2	2204.0
27.5°	1769.6	1666.0	1673.4	1823.9	2100.3
30°	1772.1	1611.6	1614.1	1772.1	1984.3
32.5°	1754.8	1554.9	1557.4	1707.9	1853.5
35°	1712.9	1488.2	1485.8	1633.8	1675.8
37.5°	1656.1	1416.7	1416.7	1552.4	1480.9
40°	1587.0	1345.1	1352.5	1446.3	1308.1
42.5°	1503.1	1268.6	1278.5	1305.6	1179.7
45°	1411.7	1194.6	1202.0	1103.2	1081.0
47.5°	1310.6	1118.0	1120.5	915.7	1049.0
50°	1189.6	1039.1	1029.2	784.8	1046.5
52.5°	1083.4	952.7	923.1	710.8	950.3
55°	979.9	861.3	797.2	654.1	881.1
57.5°	888.5	742.9	681.2	587.4	866.3
60°	804.5	626.9	580.0	515.8	794.7
62.5°	735.5	540.5	530.6	466.4	720.7
65°	661.5	481.3	478.8	424.5	612.1
67.5°	589.9	441.8	439.4	385.0	466.4
70°	513.3	399.8	394.9	343.1	345.5
72.5°	434.4	353.0	348.0	308.5	286.3
75°	355.4	298.6	296.2	269.0	232.0
77.5°	278.9	237.0	241.9	217.2	170.3
80°	199.9	172.8	177.7	155.5	128.3
82.5°	133.3	113.6	118.4	98.7	86.4
85°	74.1	64.2	66.6	51.8	39.5
87.5°	34.6	29.6	29.6	19.7	12.3
90°	42.6	27.1	25.1	17.5	9.7
92.5°	262.5	186.7	170.3	104.4	38.7
95°	645.8	363.7	333.6	213.2	92.8
97.5°	869.8	399.5	372.9	266.8	160.6
100°	951.4	429.5	405.4	309.1	212.8
102.5°	988.8	459.4	436.9	347.1	257.2
105°	1016.5	503.9	484.8	408.8	332.7
107.5°	1021.6	569.6	551.9	481.0	410.1
110°	1014.0	606.4	590.5	526.4	462.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1014.2	650.9	635.7	574.6	513.6
115°	1023.6	717.6	703.5	647.3	590.9
117.5°	1042.6	782.4	769.6	718.5	667.3
120°	1058.0	820.1	808.1	760.0	711.8
122.5°	1080.3	864.6	852.5	803.9	755.3
125°	1110.2	921.7	910.6	866.4	822.1
127.5°	1140.3	976.9	965.7	921.0	876.3
130°	1162.2	1013.6	1001.5	953.4	905.2
132.5°	1179.9	1043.6	1031.5	983.4	935.2
135°	1199.3	1078.4	1067.5	1023.6	979.8
137.5°	1228.3	1122.9	1112.0	1068.6	1025.2
140°	1246.0	1152.8	1142.8	1102.9	1062.9
142.5°	1260.8	1175.1	1165.8	1128.9	1091.9
145°	1280.2	1209.0	1200.9	1168.6	1136.4
147.5°	1308.6	1251.6	1243.7	1212.3	1180.9
150°	1323.4	1273.8	1266.7	1238.3	1209.9
152.5°	1333.1	1288.3	1282.8	1261.4	1239.9
155°	1354.4	1320.2	1316.2	1300.3	1284.4
157.5°	1375.6	1352.1	1348.2	1332.7	1317.3
160°	1385.3	1366.6	1363.6	1351.6	1339.5
162.5°	1395.6	1382.0	1379.8	1370.7	1361.8
165°	1410.4	1404.4	1402.3	1394.2	1386.0
167.5°	1422.0	1416.9	1415.9	1412.0	1408.2
170°	1431.7	1431.4	1430.5	1426.6	1422.7
172.5°	1432.4	1432.4	1432.2	1431.3	1430.4
175°	1438.2	1441.1	1441.1	1441.1	1441.1
177.5°	1438.8	1441.1	1441.1	1441.1	1441.1
180°	1441.1	1441.1	1441.1	1441.1	1441.1



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.69	13.48	13.71	14.51	15.89	15.52	16.32	16.55	17.35	18.73
	3H	13.16	13.87	14.19	14.91	16.31	16.87	17.58	17.90	18.62	20.02
	4H	13.34	14.02	14.39	15.06	16.47	17.31	17.98	18.35	19.02	20.43
	6H	13.46	14.08	14.52	15.13	16.55	17.59	18.21	18.65	19.26	20.68
	8H	13.46	14.05	14.52	15.11	16.53	17.66	18.26	18.72	19.32	20.73
	12H	13.43	13.99	14.49	15.05	16.48	17.70	18.26	18.77	19.32	20.76
4H	2H	13.71	14.38	14.76	15.43	16.83	15.92	16.60	16.98	17.64	19.05
	3H	14.73	15.29	15.79	16.36	17.78	17.42	17.99	18.48	19.06	20.48
	4H	15.01	15.52	16.07	16.58	18.02	17.95	18.47	19.02	19.53	20.97
	6H	15.13	15.57	16.20	16.65	18.09	18.32	18.76	19.39	19.84	21.28
	8H	15.13	15.54	16.21	16.62	18.07	18.42	18.83	19.50	19.91	21.36
	12H	15.09	15.47	16.19	16.56	18.02	18.48	18.85	19.57	19.94	21.40
8H	4H	15.45	15.87	16.53	16.94	18.40	18.07	18.48	19.15	19.56	21.01
	6H	15.71	16.05	16.81	17.17	18.62	18.51	18.85	19.60	19.97	21.42
	8H	15.76	16.05	16.86	17.16	18.63	18.66	18.96	19.76	20.06	21.53
	12H	15.74	16.00	16.85	17.10	18.60	18.76	19.02	19.86	20.12	21.62
12H	4H	15.46	15.83	16.55	16.92	18.38	18.03	18.40	19.13	19.50	20.95
	6H	15.77	16.07	16.88	17.17	18.64	18.50	18.80	19.61	19.90	21.37
	8H	15.84	16.10	16.95	17.20	18.71	18.66	18.93	19.77	20.02	21.53