

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: P935647

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935647
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-92765-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

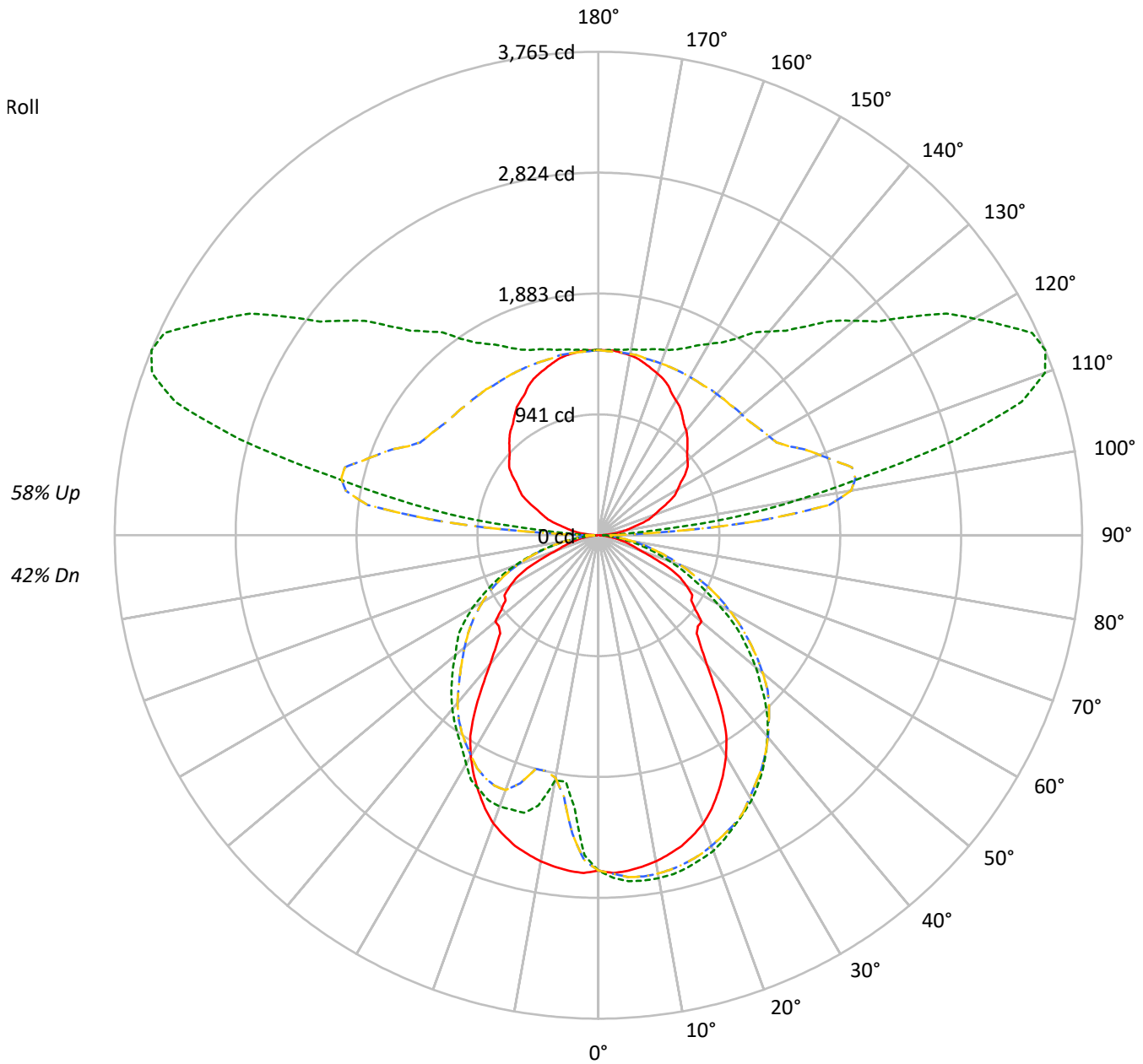
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16123.7 lumens
Efficiency: N/A
Efficacy: 125.2 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°	12113	12113	12113	12113
5°	12203	12227	12203	9614
10°	12122	12044	12122	8611
15°	11990	11784	11990	9840
20°	11740	11475	11740	9860
25°	11226	11024	11226	9651
30°	10562	10649	10562	9193
35°	9416	10176	9416	8688
40°	7846	9618	7846	8307
45°	7011	8966	7011	7869
50°	7448	8188	7448	7430
55°	7008	7349	7008	7175
60°	7223	6242	7223	6572
65°	6549	5160	6549	5768
70°	4534	4113	4534	4834
75°	3977	3040	3977	3640
80°	3204	2010	3204	2189
85°	1840	1064	1840	904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10745 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.7	1.5
10°-20°	669.1	4.1
20°-30°	1034.3	6.4
30°-40°	1234.8	7.7
40°-50°	1242.0	7.7
50°-60°	1080.7	6.7
60°-70°	766.2	4.8
70°-80°	405.4	2.5
80°-90°	106.5	0.7
90°-100°	703.0	4.4
100°-110°	1848.2	11.5
110°-120°	1916.4	11.9
120°-130°	1537.2	9.5
130°-140°	1206.1	7.5
140°-150°	925.8	5.7
150°-160°	666.7	4.1
160°-170°	407.9	2.5
170°-180°	137.8	0.9
0°-30°	1939.1	12.0
0°-40°	3173.9	19.7
0°-60°	5496.6	34.1
0°-90°	6774.6	42.0
90°-120°	4467.6	27.7
90°-150°	8136.6	50.5
90°-180°	9349.0	58.0
0°-180°	16123.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2611	2611	2611	2611	2611	
5°	2623	2705	2623	2127	2623	249
15°	2504	2680	2504	2238	2504	705
25°	2206	2500	2206	2188	2206	1013
35°	1677	2230	1677	1904	1677	1038
45°	1082	1838	1082	1613	1082	867
55°	882	1356	882	1324	882	810
65°	612	818	612	914	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	2894	333	2894	333	353
115°	591	3726	591	3726	591	584
125°	823	2968	823	2968	823	730
135°	980	2303	980	2303	980	759
145°	1137	1868	1137	1868	1137	712
155°	1285	1609	1285	1609	1285	591
165°	1387	1498	1387	1498	1387	391
175°	1442	1452	1442	1452	1442	137
180°	1442	1442	1442	1442	1442	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7
2.5°	2633.0	2633.0	2647.7	2652.7	2652.7	2645.3	2637.9	2645.3	2667.6	2674.9	2672.5
5°	2623.1	2642.8	2670.0	2674.9	2679.9	2677.4	2672.5	2677.4	2702.1	2707.1	2709.5
7.5°	2603.3	2640.4	2674.9	2682.3	2689.8	2682.3	2679.9	2684.8	2709.5	2714.5	2714.5
10°	2578.6	2630.4	2670.0	2674.9	2682.3	2674.9	2674.9	2684.8	2709.5	2714.5	2716.9
12.5°	2544.0	2615.7	2652.7	2657.6	2667.6	2665.0	2662.6	2672.5	2697.2	2702.1	2702.1
15°	2504.5	2588.5	2623.1	2628.0	2645.3	2640.4	2640.4	2650.3	2677.4	2684.8	2682.3
17.5°	2450.1	2553.9	2593.4	2600.8	2613.2	2610.7	2613.2	2623.1	2647.7	2652.7	2655.2
20°	2388.5	2507.0	2553.9	2561.3	2573.7	2573.7	2573.7	2586.1	2610.7	2620.6	2620.6
22.5°	2304.4	2457.6	2507.0	2511.9	2526.7	2526.7	2531.7	2548.9	2571.2	2573.7	2573.7
25°	2205.6	2403.2	2445.2	2460.1	2474.9	2482.3	2489.7	2499.6	2507.0	2504.5	2507.0
27.5°	2101.9	2334.1	2388.5	2398.3	2418.1	2425.5	2435.4	2437.8	2440.3	2447.7	2442.8
30°	1985.8	2237.8	2319.3	2329.2	2361.3	2366.2	2356.3	2361.3	2373.6	2378.5	2383.5
32.5°	1854.9	2094.5	2247.7	2269.8	2299.5	2284.7	2282.2	2289.7	2309.4	2309.4	2314.3
35°	1677.0	1983.4	2180.9	2200.7	2222.9	2205.6	2215.5	2218.0	2230.4	2237.8	2235.3
37.5°	1482.0	1887.0	2111.8	2126.6	2143.9	2121.7	2136.5	2143.9	2153.7	2148.9	2148.9
40°	1309.1	1736.4	2030.3	2040.2	2055.0	2037.7	2052.5	2057.5	2062.4	2057.5	2055.0
42.5°	1180.6	1570.9	1943.8	1956.2	1946.3	1958.7	1963.6	1973.4	1966.1	1956.2	1956.2
45°	1081.8	1526.4	1850.0	1864.8	1850.0	1869.8	1877.2	1877.2	1854.9	1850.0	1847.5
47.5°	1049.8	1437.5	1756.1	1756.1	1748.7	1773.4	1785.8	1768.5	1746.2	1738.8	1738.8
50°	1047.2	1338.7	1627.7	1617.8	1652.4	1682.0	1669.7	1652.4	1635.1	1607.9	1607.9
52.5°	951.0	1217.6	1462.2	1499.3	1553.6	1570.9	1551.1	1533.9	1504.2	1491.9	1482.0
55°	881.8	1091.7	1311.6	1385.6	1442.4	1464.7	1427.6	1410.4	1365.9	1358.5	1353.5
57.5°	866.9	908.9	1173.2	1267.1	1336.3	1333.7	1311.6	1279.4	1242.4	1234.9	1232.5
60°	795.3	657.0	1025.0	1136.1	1207.8	1200.3	1180.6	1151.0	1116.4	1111.5	1106.5
62.5°	721.2	476.7	857.0	983.0	1084.3	1081.8	1064.5	1020.0	995.4	983.0	973.1
65°	612.5	400.1	610.1	817.6	963.3	968.2	931.2	899.1	871.9	857.0	854.6
67.5°	466.8	326.0	412.5	681.7	847.2	842.3	795.3	780.5	745.9	738.5	723.6
70°	345.7	217.3	286.5	553.3	733.6	721.2	684.2	666.9	634.8	617.5	607.6
72.5°	286.5	175.4	209.9	429.8	617.5	602.7	570.5	550.8	523.6	508.8	498.9
75°	232.2	185.3	160.6	318.6	501.4	491.6	461.8	442.1	419.9	400.1	402.6
77.5°	170.4	172.9	128.4	234.6	397.6	382.9	365.6	340.9	331.0	311.3	311.3
80°	128.4	135.8	96.4	160.6	286.5	286.5	271.7	254.4	237.1	227.2	227.2
82.5°	86.5	86.5	71.6	101.2	195.2	187.7	177.9	172.9	163.0	158.1	158.1
85°	39.5	49.4	44.5	61.8	106.2	111.1	111.1	106.2	103.8	98.8	101.2
87.5°	12.3	22.2	27.2	34.6	54.3	56.8	59.3	59.3	59.3	61.8	61.8
90°	9.7	17.5	25.1	27.1	42.6	63.3	73.6	65.3	49.0	36.7	36.7
92.5°	38.7	104.5	170.4	186.8	262.7	363.7	414.3	363.0	260.7	183.9	176.6
95°	92.9	213.4	333.9	364.0	646.3	1022.7	1210.8	1080.5	819.8	624.3	602.1
97.5°	160.7	267.0	373.2	399.8	870.5	1498.1	1811.9	1729.6	1564.8	1441.2	1399.1
100°	212.9	309.3	405.7	429.8	952.1	1648.5	1996.8	2002.8	2014.9	2023.9	1973.7
102.5°	257.4	347.3	437.3	459.8	989.6	1695.9	2049.1	2154.0	2364.0	2521.4	2478.4
105°	332.9	409.1	485.2	504.3	1017.2	1701.3	2043.3	2278.5	2749.2	3102.1	3079.0
107.5°	410.4	481.4	552.3	570.1	1022.4	1625.5	1927.1	2255.4	2911.8	3404.1	3409.7
110°	462.7	526.8	590.9	606.9	1014.7	1558.4	1830.3	2197.3	2931.1	3481.5	3505.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	514.0	575.0	636.2	651.4	1015.0	1499.8	1742.2	2117.8	2868.8	3432.1	3469.2
115°	591.4	647.8	704.0	718.1	1024.3	1432.6	1636.8	1998.5	2722.1	3264.7	3316.1
117.5°	667.8	719.1	770.2	783.0	1043.4	1390.6	1564.1	1890.6	2543.6	3033.4	3090.3
120°	712.3	760.6	808.7	820.8	1058.8	1376.4	1535.1	1833.4	2430.0	2877.6	2932.8
122.5°	755.9	804.5	853.1	865.3	1081.1	1368.9	1512.8	1781.5	2318.8	2721.8	2776.3
125°	822.7	867.0	911.3	922.4	1111.1	1362.8	1488.6	1716.9	2173.3	2515.6	2565.8
127.5°	876.9	921.7	966.4	977.6	1141.2	1359.2	1468.3	1664.2	2056.2	2350.0	2392.4
130°	905.9	954.1	1002.3	1014.3	1163.1	1361.4	1460.6	1635.0	1983.9	2245.5	2284.7
132.5°	935.9	984.2	1032.3	1044.3	1180.8	1362.8	1453.7	1609.9	1922.2	2156.5	2191.5
135°	980.5	1024.3	1068.3	1079.2	1200.2	1361.5	1442.2	1572.9	1834.5	2030.6	2060.8
137.5°	1025.9	1069.4	1112.9	1123.7	1229.2	1369.9	1440.2	1550.8	1771.9	1937.7	1962.5
140°	1063.7	1103.7	1143.7	1153.7	1247.0	1371.3	1433.5	1529.0	1720.0	1863.2	1886.3
142.5°	1092.8	1129.8	1166.7	1176.0	1261.8	1376.3	1433.5	1517.3	1685.1	1810.9	1830.8
145°	1137.3	1169.5	1201.8	1209.9	1281.2	1376.3	1423.7	1492.4	1629.7	1732.6	1747.6
147.5°	1181.8	1213.2	1244.7	1252.5	1309.6	1385.7	1423.7	1477.8	1585.7	1666.8	1679.2
150°	1210.8	1239.2	1267.6	1274.8	1324.4	1390.7	1423.7	1469.4	1560.6	1629.0	1639.1
152.5°	1240.8	1262.3	1283.8	1289.2	1334.1	1393.8	1423.7	1462.7	1540.6	1599.0	1606.7
155°	1285.4	1301.3	1317.2	1321.2	1355.4	1400.9	1423.7	1454.8	1516.7	1563.2	1568.2
157.5°	1318.3	1333.7	1349.2	1353.1	1376.6	1408.0	1423.7	1447.9	1496.0	1532.2	1535.7
160°	1340.6	1352.6	1364.7	1367.7	1386.4	1411.3	1423.7	1444.4	1485.7	1516.7	1518.7
162.5°	1362.8	1371.8	1380.8	1383.1	1396.6	1414.7	1423.7	1441.1	1476.0	1502.2	1504.1
165°	1387.0	1395.2	1403.4	1405.4	1411.5	1419.6	1423.7	1436.3	1461.2	1479.9	1482.0
167.5°	1409.3	1413.1	1417.0	1417.9	1423.1	1430.0	1433.5	1441.6	1458.0	1470.2	1471.0
170°	1423.7	1427.7	1431.6	1432.5	1432.8	1433.3	1433.5	1441.6	1458.0	1470.2	1470.2
172.5°	1431.5	1432.3	1433.3	1433.5	1433.5	1433.5	1433.5	1439.9	1452.8	1462.5	1461.8
175°	1442.2	1442.2	1442.2	1442.2	1439.3	1435.4	1433.5	1437.6	1445.7	1451.9	1451.9
177.5°	1442.2	1442.2	1442.2	1442.2	1439.9	1436.9	1435.4	1438.6	1445.1	1449.9	1449.1
180°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7
2.5°	2677.4	2670.0	2677.4	2672.5	2674.9	2667.6	2645.3	2637.9	2645.3	2652.7	2652.7
5°	2709.5	2704.6	2709.5	2709.5	2707.1	2702.1	2677.4	2672.5	2677.4	2679.9	2674.9
7.5°	2719.4	2712.0	2719.4	2714.5	2714.5	2709.5	2684.8	2679.9	2682.3	2689.8	2682.3
10°	2719.4	2712.0	2719.4	2716.9	2714.5	2709.5	2684.8	2674.9	2674.9	2682.3	2674.9
12.5°	2707.1	2702.1	2707.1	2702.1	2702.1	2697.2	2672.5	2662.6	2665.0	2667.6	2657.6
15°	2687.3	2679.9	2687.3	2682.3	2684.8	2677.4	2650.3	2640.4	2640.4	2645.3	2628.0
17.5°	2657.6	2647.7	2657.6	2655.2	2652.7	2647.7	2623.1	2613.2	2610.7	2613.2	2600.8
20°	2623.1	2615.7	2623.1	2620.6	2620.6	2610.7	2586.1	2573.7	2573.7	2573.7	2561.3
22.5°	2568.8	2561.3	2568.8	2573.7	2573.7	2571.2	2548.9	2531.7	2526.7	2526.7	2511.9
25°	2507.0	2499.6	2507.0	2507.0	2504.5	2507.0	2499.6	2489.7	2482.3	2474.9	2460.1
27.5°	2447.7	2442.8	2447.7	2442.8	2447.7	2440.3	2437.8	2435.4	2425.5	2418.1	2398.3
30°	2388.5	2383.5	2388.5	2383.5	2378.5	2373.6	2361.3	2356.3	2366.2	2361.3	2329.2
32.5°	2314.3	2309.4	2314.3	2314.3	2309.4	2309.4	2289.7	2282.2	2284.7	2299.5	2269.8
35°	2237.8	2230.4	2237.8	2235.3	2237.8	2230.4	2218.0	2215.5	2205.6	2222.9	2200.7
37.5°	2148.9	2141.4	2148.9	2148.9	2148.9	2153.7	2143.9	2136.5	2121.7	2143.9	2126.6
40°	2057.5	2047.6	2057.5	2055.0	2057.5	2062.4	2057.5	2052.5	2037.7	2055.0	2040.2
42.5°	1953.7	1951.3	1953.7	1956.2	1956.2	1966.1	1973.4	1963.6	1958.7	1946.3	1956.2
45°	1842.6	1837.6	1842.6	1847.5	1850.0	1854.9	1877.2	1877.2	1869.8	1850.0	1864.8
47.5°	1724.0	1711.6	1724.0	1738.8	1738.8	1746.2	1768.5	1785.8	1773.4	1748.7	1756.1
50°	1598.1	1600.5	1598.1	1607.9	1607.9	1635.1	1652.4	1669.7	1682.0	1652.4	1617.8
52.5°	1474.6	1472.1	1474.6	1482.0	1491.9	1504.2	1533.9	1551.1	1570.9	1553.6	1499.3
55°	1351.0	1356.0	1351.0	1353.5	1358.5	1365.9	1410.4	1427.6	1464.7	1442.4	1385.6
57.5°	1227.5	1220.2	1227.5	1232.5	1234.9	1242.4	1279.4	1311.6	1333.7	1336.3	1267.1
60°	1084.3	1074.4	1084.3	1106.5	1111.5	1116.4	1151.0	1180.6	1200.3	1207.8	1136.1
62.5°	958.4	941.1	958.4	973.1	983.0	995.4	1020.0	1064.5	1081.8	1084.3	983.0
65°	825.0	817.6	825.0	854.6	857.0	871.9	899.1	931.2	968.2	963.3	817.6
67.5°	703.9	703.9	703.9	723.6	738.5	745.9	780.5	795.3	842.3	847.2	681.7
70°	592.8	590.4	592.8	607.6	617.5	634.8	666.9	684.2	721.2	733.6	553.3
72.5°	486.6	484.1	486.6	498.9	508.8	523.6	550.8	570.5	602.7	617.5	429.8
75°	392.8	387.8	392.8	402.6	400.1	419.9	442.1	461.8	491.6	501.4	318.6
77.5°	301.3	301.3	301.3	311.3	311.3	331.0	340.9	365.6	382.9	397.6	234.6
80°	224.8	222.3	224.8	227.2	227.2	237.1	254.4	271.7	286.5	286.5	160.6
82.5°	158.1	153.1	158.1	158.1	158.1	163.0	172.9	177.9	187.7	195.2	101.2
85°	98.8	98.8	98.8	101.2	98.8	103.8	106.2	111.1	111.1	106.2	61.8
87.5°	64.2	61.8	64.2	61.8	61.8	59.3	59.3	59.3	56.8	54.3	34.6
90°	36.7	36.7	36.7	36.7	36.7	49.0	65.3	73.6	63.3	42.6	27.1
92.5°	147.3	118.1	147.3	176.6	183.9	260.7	363.0	414.3	363.7	262.7	186.8
95°	513.5	424.9	513.5	602.1	624.3	819.8	1080.5	1210.8	1022.7	646.3	364.0
97.5°	1230.4	1061.8	1230.4	1399.1	1441.2	1564.8	1729.6	1811.9	1498.1	870.5	399.8
100°	1772.8	1571.9	1772.8	1973.7	2023.9	2014.9	2002.8	1996.8	1648.5	952.1	429.8
102.5°	2306.3	2134.2	2306.3	2478.4	2521.4	2364.0	2154.0	2049.1	1695.9	989.6	459.8
105°	2986.5	2894.0	2986.5	3079.0	3102.1	2749.2	2278.5	2043.3	1701.3	1017.2	504.3
107.5°	3432.1	3454.4	3432.1	3409.7	3404.1	2911.8	2255.4	1927.1	1625.5	1022.4	570.1
110°	3602.0	3698.4	3602.0	3505.6	3481.5	2931.1	2197.3	1830.3	1558.4	1014.7	606.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3617.1	3765.1	3617.1	3469.2	3432.1	2868.8	2117.8	1742.2	1499.8	1015.0	651.4
115°	3521.2	3726.4	3521.2	3316.1	3264.7	2722.1	1998.5	1636.8	1432.6	1024.3	718.1
117.5°	3317.8	3545.4	3317.8	3090.3	3033.4	2543.6	1890.6	1564.1	1390.6	1043.4	783.0
120°	3154.0	3375.0	3154.0	2932.8	2877.6	2430.0	1833.4	1535.1	1376.4	1058.8	820.8
122.5°	2994.4	3212.5	2994.4	2776.3	2721.8	2318.8	1781.5	1512.8	1368.9	1081.1	865.3
125°	2766.7	2967.6	2766.7	2565.8	2515.6	2173.3	1716.9	1488.6	1362.8	1111.1	922.4
127.5°	2561.9	2731.4	2561.9	2392.4	2350.0	2056.2	1664.2	1468.3	1359.2	1141.2	977.6
130°	2441.3	2597.8	2441.3	2284.7	2245.5	1983.9	1635.0	1460.6	1361.4	1163.1	1014.3
132.5°	2331.8	2472.0	2331.8	2191.5	2156.5	1922.2	1609.9	1453.7	1362.8	1180.8	1044.3
135°	2181.8	2302.6	2181.8	2060.8	2030.6	1834.5	1572.9	1442.2	1361.5	1200.2	1079.2
137.5°	2061.4	2160.4	2061.4	1962.5	1937.7	1771.9	1550.8	1440.2	1369.9	1229.2	1123.7
140°	1978.9	2071.3	1978.9	1886.3	1863.2	1720.0	1529.0	1433.5	1371.3	1247.0	1153.7
142.5°	1910.4	1990.0	1910.4	1830.8	1810.9	1685.1	1517.3	1433.5	1376.3	1261.8	1176.0
145°	1807.8	1868.0	1807.8	1747.6	1732.6	1629.7	1492.4	1423.7	1376.3	1281.2	1209.9
147.5°	1729.1	1779.0	1729.1	1679.2	1666.8	1585.7	1477.8	1423.7	1385.7	1309.6	1252.5
150°	1679.6	1720.0	1679.6	1639.1	1629.0	1560.6	1469.4	1423.7	1390.7	1324.4	1274.8
152.5°	1637.1	1667.7	1637.1	1606.7	1599.0	1540.6	1462.7	1423.7	1393.8	1334.1	1289.2
155°	1588.4	1608.6	1588.4	1568.2	1563.2	1516.7	1454.8	1423.7	1400.9	1355.4	1321.2
157.5°	1549.9	1564.1	1549.9	1535.7	1532.2	1496.0	1447.9	1423.7	1408.0	1376.6	1353.1
160°	1526.8	1535.1	1526.8	1518.7	1516.7	1485.7	1444.4	1423.7	1411.3	1386.4	1367.7
162.5°	1511.9	1519.6	1511.9	1504.1	1502.2	1476.0	1441.1	1423.7	1414.7	1396.6	1383.1
165°	1490.1	1498.3	1490.1	1482.0	1479.9	1461.2	1436.3	1423.7	1419.6	1411.5	1405.4
167.5°	1474.5	1478.0	1474.5	1471.0	1470.2	1458.0	1441.6	1433.5	1430.0	1423.1	1417.9
170°	1470.2	1470.2	1470.2	1470.2	1470.2	1458.0	1441.6	1433.5	1433.3	1432.8	1432.5
172.5°	1458.7	1455.7	1458.7	1461.8	1462.5	1452.8	1439.9	1433.5	1433.5	1433.5	1433.5
175°	1451.9	1451.9	1451.9	1451.9	1451.9	1445.7	1437.6	1433.5	1435.4	1439.3	1442.2
177.5°	1445.6	1442.2	1445.6	1449.1	1449.9	1445.1	1438.6	1435.4	1436.9	1439.9	1442.2
180°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7
2.5°	2647.7	2633.0	2633.0	2608.3	2598.4	2591.0	2578.6	2541.6	2531.7	2521.8	2536.6
5°	2670.0	2642.8	2623.1	2578.6	2541.6	2526.7	2479.8	2390.9	2331.6	2287.1	2262.5
7.5°	2674.9	2640.4	2603.3	2534.2	2445.2	2405.7	2262.5	2099.4	2055.0	2015.5	1990.7
10°	2670.0	2630.4	2578.6	2474.9	2264.9	2195.8	2052.5	1946.3	1919.1	1911.8	1919.1
12.5°	2652.7	2615.7	2544.0	2371.2	2077.2	2030.3	1946.3	1884.6	1879.6	1891.9	1958.7
15°	2623.1	2588.5	2504.5	2232.8	1973.4	1938.9	1879.6	1857.4	1884.6	1971.0	2171.0
17.5°	2593.4	2553.9	2450.1	2097.0	1894.5	1869.8	1827.7	1872.2	2025.3	2141.4	2208.1
20°	2553.9	2507.0	2388.5	1998.2	1837.6	1815.4	1795.7	1995.7	2111.8	2153.7	2190.9
22.5°	2507.0	2457.6	2304.4	1929.0	1778.4	1761.1	1773.4	2064.9	2111.8	2141.4	2173.6
25°	2445.2	2403.2	2205.6	1874.6	1731.4	1711.6	1758.6	2057.5	2084.6	2092.1	2156.3
27.5°	2388.5	2334.1	2101.9	1825.3	1674.6	1667.2	1771.0	2025.3	2045.1	2052.5	2121.7
30°	2319.3	2237.8	1985.8	1773.4	1615.4	1612.8	1773.4	1985.8	1980.9	2000.6	2069.8
32.5°	2247.7	2094.5	1854.9	1709.2	1558.5	1556.1	1756.1	1926.5	1921.6	1948.8	2000.6
35°	2180.9	1983.4	1677.0	1635.1	1486.9	1489.4	1714.2	1857.4	1859.9	1884.6	1916.7
37.5°	2111.8	1887.0	1482.0	1553.6	1417.8	1417.8	1657.3	1793.1	1788.3	1795.7	1840.1
40°	2030.3	1736.4	1309.1	1447.4	1353.5	1346.1	1588.2	1724.0	1706.7	1704.2	1766.0
42.5°	1943.8	1570.9	1180.6	1306.6	1279.4	1269.5	1504.2	1640.0	1607.9	1615.4	1694.3
45°	1850.0	1526.4	1081.8	1104.1	1202.9	1195.5	1412.8	1543.7	1521.5	1541.2	1622.7
47.5°	1756.1	1437.5	1049.8	916.4	1121.4	1118.8	1311.6	1449.8	1437.5	1457.3	1543.7
50°	1627.7	1338.7	1047.2	785.4	1030.0	1039.9	1190.5	1358.5	1358.5	1375.8	1467.1
52.5°	1462.2	1217.6	951.0	711.3	923.8	953.4	1084.3	1279.4	1284.4	1301.7	1383.2
55°	1311.6	1091.7	881.8	654.6	797.8	862.0	980.6	1197.9	1207.8	1225.1	1299.1
57.5°	1173.2	908.9	866.9	587.8	681.7	743.5	889.2	1118.8	1123.8	1138.7	1210.3
60°	1025.0	657.0	795.3	516.2	580.5	627.4	805.2	1025.0	1042.3	1052.2	1114.0
62.5°	857.0	476.7	721.2	466.8	531.0	540.9	736.1	936.1	958.4	965.7	1002.8
65°	610.1	400.1	612.5	424.8	479.1	481.7	662.0	844.7	864.5	876.8	904.0
67.5°	412.5	326.0	466.8	385.3	439.7	442.1	590.4	738.5	765.7	775.5	792.8
70°	286.5	217.3	345.7	343.3	395.2	400.1	513.7	642.1	666.9	674.3	684.2
72.5°	209.9	175.4	286.5	308.7	348.3	353.2	434.7	533.5	558.2	565.6	570.5
75°	160.6	185.3	232.2	269.2	296.4	298.8	355.7	434.7	452.0	457.0	459.4
77.5°	128.4	172.9	170.4	217.3	242.1	237.1	279.1	335.9	350.7	350.7	350.7
80°	96.4	135.8	128.4	155.6	177.9	172.9	200.0	239.6	244.5	249.5	246.9
82.5°	71.6	86.5	86.5	98.8	118.5	113.7	133.4	155.6	155.6	155.6	160.6
85°	44.5	49.4	39.5	51.9	66.6	64.2	74.1	83.9	86.5	86.5	81.5
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	63.3	73.6	65.3	49.0
92.5°	170.4	104.5	38.7	104.5	170.4	186.8	262.7	363.7	414.3	363.0	260.7
95°	333.9	213.4	92.9	213.4	333.9	364.0	646.3	1022.7	1210.8	1080.5	819.8
97.5°	373.2	267.0	160.7	267.0	373.2	399.8	870.5	1498.1	1811.9	1729.6	1564.8
100°	405.7	309.3	212.9	309.3	405.7	429.8	952.1	1648.5	1996.8	2002.8	2014.9
102.5°	437.3	347.3	257.4	347.3	437.3	459.8	989.6	1695.9	2049.1	2154.0	2364.0
105°	485.2	409.1	332.9	409.1	485.2	504.3	1017.2	1701.3	2043.3	2278.5	2749.2
107.5°	552.3	481.4	410.4	481.4	552.3	570.1	1022.4	1625.5	1927.1	2255.4	2911.8
110°	590.9	526.8	462.7	526.8	590.9	606.9	1014.7	1558.4	1830.3	2197.3	2931.1



TEST NUMBER: P935647

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	636.2	575.0	514.0	575.0	636.2	651.4	1015.0	1499.8	1742.2	2117.8	2868.8
115°	704.0	647.8	591.4	647.8	704.0	718.1	1024.3	1432.6	1636.8	1998.5	2722.1
117.5°	770.2	719.1	667.8	719.1	770.2	783.0	1043.4	1390.6	1564.1	1890.6	2543.6
120°	808.7	760.6	712.3	760.6	808.7	820.8	1058.8	1376.4	1535.1	1833.4	2430.0
122.5°	853.1	804.5	755.9	804.5	853.1	865.3	1081.1	1368.9	1512.8	1781.5	2318.8
125°	911.3	867.0	822.7	867.0	911.3	922.4	1111.1	1362.8	1488.6	1716.9	2173.3
127.5°	966.4	921.7	876.9	921.7	966.4	977.6	1141.2	1359.2	1468.3	1664.2	2056.2
130°	1002.3	954.1	905.9	954.1	1002.3	1014.3	1163.1	1361.4	1460.6	1635.0	1983.9
132.5°	1032.3	984.2	935.9	984.2	1032.3	1044.3	1180.8	1362.8	1453.7	1609.9	1922.2
135°	1068.3	1024.3	980.5	1024.3	1068.3	1079.2	1200.2	1361.5	1442.2	1572.9	1834.5
137.5°	1112.9	1069.4	1025.9	1069.4	1112.9	1123.7	1229.2	1369.9	1440.2	1550.8	1771.9
140°	1143.7	1103.7	1063.7	1103.7	1143.7	1153.7	1247.0	1371.3	1433.5	1529.0	1720.0
142.5°	1166.7	1129.8	1092.8	1129.8	1166.7	1176.0	1261.8	1376.3	1433.5	1517.3	1685.1
145°	1201.8	1169.5	1137.3	1169.5	1201.8	1209.9	1281.2	1376.3	1423.7	1492.4	1629.7
147.5°	1244.7	1213.2	1181.8	1213.2	1244.7	1252.5	1309.6	1385.7	1423.7	1477.8	1585.7
150°	1267.6	1239.2	1210.8	1239.2	1267.6	1274.8	1324.4	1390.7	1423.7	1469.4	1560.6
152.5°	1283.8	1262.3	1240.8	1262.3	1283.8	1289.2	1334.1	1393.8	1423.7	1462.7	1540.6
155°	1317.2	1301.3	1285.4	1301.3	1317.2	1321.2	1355.4	1400.9	1423.7	1454.8	1516.7
157.5°	1349.2	1333.7	1318.3	1333.7	1349.2	1353.1	1376.6	1408.0	1423.7	1447.9	1496.0
160°	1364.7	1352.6	1340.6	1352.6	1364.7	1367.7	1386.4	1411.3	1423.7	1444.4	1485.7
162.5°	1380.8	1371.8	1362.8	1371.8	1380.8	1383.1	1396.6	1414.7	1423.7	1441.1	1476.0
165°	1403.4	1395.2	1387.0	1395.2	1403.4	1405.4	1411.5	1419.6	1423.7	1436.3	1461.2
167.5°	1417.0	1413.1	1409.3	1413.1	1417.0	1417.9	1423.1	1430.0	1433.5	1441.6	1458.0
170°	1431.6	1427.7	1423.7	1427.7	1431.6	1432.5	1432.8	1433.3	1433.5	1441.6	1458.0
172.5°	1433.3	1432.3	1431.5	1432.3	1433.3	1433.5	1433.5	1433.5	1433.5	1439.9	1452.8
175°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1439.3	1435.4	1433.5	1437.6	1445.7
177.5°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1439.9	1436.9	1435.4	1438.6	1445.1
180°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2



TEST NUMBER: P935647

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7	2610.7
2.5°	2519.3	2511.9	2521.8	2494.6	2521.8	2511.9	2519.3	2536.6	2521.8	2531.7	2541.6
5°	2210.6	2198.2	2158.7	2126.6	2158.7	2198.2	2210.6	2262.5	2287.1	2331.6	2390.9
7.5°	1976.0	1966.1	1956.2	1936.4	1956.2	1966.1	1976.0	1990.7	2015.5	2055.0	2099.4
10°	1924.1	1926.5	1941.4	1938.9	1941.4	1926.5	1924.1	1919.1	1911.8	1919.1	1946.3
12.5°	2057.5	2079.7	2161.2	2156.3	2161.2	2079.7	2057.5	1958.7	1891.9	1879.6	1884.6
15°	2210.6	2218.0	2235.3	2237.8	2235.3	2218.0	2210.6	2171.0	1971.0	1884.6	1857.4
17.5°	2225.4	2227.9	2240.2	2240.2	2240.2	2227.9	2225.4	2208.1	2141.4	2025.3	1872.2
20°	2213.1	2218.0	2242.7	2247.7	2242.7	2218.0	2213.1	2190.9	2153.7	2111.8	1995.7
22.5°	2208.1	2218.0	2237.8	2235.3	2237.8	2218.0	2208.1	2173.6	2141.4	2111.8	2064.9
25°	2183.4	2183.4	2185.9	2188.3	2185.9	2183.4	2183.4	2156.3	2092.1	2084.6	2057.5
27.5°	2131.6	2136.5	2151.3	2148.9	2151.3	2136.5	2131.6	2121.7	2052.5	2045.1	2025.3
30°	2084.6	2079.7	2067.3	2057.5	2067.3	2079.7	2084.6	2069.8	2000.6	1980.9	1985.8
32.5°	2005.6	1993.3	1980.9	1973.4	1980.9	1993.3	2005.6	2000.6	1948.8	1921.6	1926.5
35°	1911.8	1914.2	1911.8	1904.3	1911.8	1914.2	1911.8	1916.7	1884.6	1859.9	1857.4
37.5°	1845.0	1850.0	1847.5	1837.6	1847.5	1850.0	1845.0	1840.1	1795.7	1788.3	1793.1
40°	1775.8	1778.4	1775.8	1768.5	1775.8	1778.4	1775.8	1766.0	1704.2	1706.7	1724.0
42.5°	1709.2	1706.7	1699.3	1694.3	1699.3	1706.7	1709.2	1694.3	1615.4	1607.9	1640.0
45°	1632.7	1635.1	1620.3	1612.8	1620.3	1635.1	1632.7	1622.7	1541.2	1521.5	1543.7
47.5°	1556.1	1556.1	1543.7	1536.3	1543.7	1556.1	1556.1	1543.7	1457.3	1437.5	1449.8
50°	1474.6	1472.1	1454.8	1452.3	1454.8	1472.1	1474.6	1467.1	1375.8	1358.5	1358.5
52.5°	1380.7	1380.7	1383.2	1388.1	1383.2	1380.7	1380.7	1383.2	1301.7	1284.4	1279.4
55°	1299.1	1301.7	1319.0	1323.9	1319.0	1301.7	1299.1	1299.1	1225.1	1207.8	1197.9
57.5°	1215.2	1215.2	1227.5	1227.5	1227.5	1215.2	1215.2	1210.3	1138.7	1123.8	1118.8
60°	1118.8	1123.8	1133.7	1131.3	1133.7	1123.8	1118.8	1114.0	1052.2	1042.3	1025.0
62.5°	1017.6	1022.6	1025.0	1020.0	1025.0	1022.6	1017.6	1002.8	965.7	958.4	936.1
65°	911.4	916.4	918.8	913.9	918.8	916.4	911.4	904.0	876.8	864.5	844.7
67.5°	802.7	800.3	797.8	807.7	797.8	800.3	802.7	792.8	775.5	765.7	738.5
70°	691.6	691.6	689.1	694.0	689.1	691.6	691.6	684.2	674.3	666.9	642.1
72.5°	573.1	570.5	580.5	573.1	580.5	570.5	573.1	570.5	565.6	558.2	533.5
75°	457.0	461.8	457.0	464.4	457.0	461.8	457.0	459.4	457.0	452.0	434.7
77.5°	348.3	353.2	348.3	348.3	348.3	353.2	348.3	350.7	350.7	350.7	335.9
80°	246.9	244.5	244.5	242.1	244.5	244.5	246.9	246.9	249.5	244.5	239.6
82.5°	158.1	155.6	155.6	160.6	155.6	155.6	158.1	160.6	155.6	155.6	155.6
85°	86.5	88.9	83.9	83.9	83.9	88.9	86.5	81.5	86.5	86.5	83.9
87.5°	32.2	29.6	29.6	29.6	29.6	29.6	32.2	34.6	34.6	34.6	37.0
90°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	49.0	65.3	73.6	63.3
92.5°	183.9	176.6	147.3	118.1	147.3	176.6	183.9	260.7	363.0	414.3	363.7
95°	624.3	602.1	513.5	424.9	513.5	602.1	624.3	819.8	1080.5	1210.8	1022.7
97.5°	1441.2	1399.1	1230.4	1061.8	1230.4	1399.1	1441.2	1564.8	1729.6	1811.9	1498.1
100°	2023.9	1973.7	1772.8	1571.9	1772.8	1973.7	2023.9	2014.9	2002.8	1996.8	1648.5
102.5°	2521.4	2478.4	2306.3	2134.2	2306.3	2478.4	2521.4	2364.0	2154.0	2049.1	1695.9
105°	3102.1	3079.0	2986.5	2894.0	2986.5	3079.0	3102.1	2749.2	2278.5	2043.3	1701.3
107.5°	3404.1	3409.7	3432.1	3454.4	3432.1	3409.7	3404.1	2911.8	2255.4	1927.1	1625.5
110°	3481.5	3505.6	3602.0	3698.4	3602.0	3505.6	3481.5	2931.1	2197.3	1830.3	1558.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3432.1	3469.2	3617.1	3765.1	3617.1	3469.2	3432.1	2868.8	2117.8	1742.2	1499.8
115°	3264.7	3316.1	3521.2	3726.4	3521.2	3316.1	3264.7	2722.1	1998.5	1636.8	1432.6
117.5°	3033.4	3090.3	3317.8	3545.4	3317.8	3090.3	3033.4	2543.6	1890.6	1564.1	1390.6
120°	2877.6	2932.8	3154.0	3375.0	3154.0	2932.8	2877.6	2430.0	1833.4	1535.1	1376.4
122.5°	2721.8	2776.3	2994.4	3212.5	2994.4	2776.3	2721.8	2318.8	1781.5	1512.8	1368.9
125°	2515.6	2565.8	2766.7	2967.6	2766.7	2565.8	2515.6	2173.3	1716.9	1488.6	1362.8
127.5°	2350.0	2392.4	2561.9	2731.4	2561.9	2392.4	2350.0	2056.2	1664.2	1468.3	1359.2
130°	2245.5	2284.7	2441.3	2597.8	2441.3	2284.7	2245.5	1983.9	1635.0	1460.6	1361.4
132.5°	2156.5	2191.5	2331.8	2472.0	2331.8	2191.5	2156.5	1922.2	1609.9	1453.7	1362.8
135°	2030.6	2060.8	2181.8	2302.6	2181.8	2060.8	2030.6	1834.5	1572.9	1442.2	1361.5
137.5°	1937.7	1962.5	2061.4	2160.4	2061.4	1962.5	1937.7	1771.9	1550.8	1440.2	1369.9
140°	1863.2	1886.3	1978.9	2071.3	1978.9	1886.3	1863.2	1720.0	1529.0	1433.5	1371.3
142.5°	1810.9	1830.8	1910.4	1990.0	1910.4	1830.8	1810.9	1685.1	1517.3	1433.5	1376.3
145°	1732.6	1747.6	1807.8	1868.0	1807.8	1747.6	1732.6	1629.7	1492.4	1423.7	1376.3
147.5°	1666.8	1679.2	1729.1	1779.0	1729.1	1679.2	1666.8	1585.7	1477.8	1423.7	1385.7
150°	1629.0	1639.1	1679.6	1720.0	1679.6	1639.1	1629.0	1560.6	1469.4	1423.7	1390.7
152.5°	1599.0	1606.7	1637.1	1667.7	1637.1	1606.7	1599.0	1540.6	1462.7	1423.7	1393.8
155°	1563.2	1568.2	1588.4	1608.6	1588.4	1568.2	1563.2	1516.7	1454.8	1423.7	1400.9
157.5°	1532.2	1535.7	1549.9	1564.1	1549.9	1535.7	1532.2	1496.0	1447.9	1423.7	1408.0
160°	1516.7	1518.7	1526.8	1535.1	1526.8	1518.7	1516.7	1485.7	1444.4	1423.7	1411.3
162.5°	1502.2	1504.1	1511.9	1519.6	1511.9	1504.1	1502.2	1476.0	1441.1	1423.7	1414.7
165°	1479.9	1482.0	1490.1	1498.3	1490.1	1482.0	1479.9	1461.2	1436.3	1423.7	1419.6
167.5°	1470.2	1471.0	1474.5	1478.0	1474.5	1471.0	1470.2	1458.0	1441.6	1433.5	1430.0
170°	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1458.0	1441.6	1433.5	1433.3
172.5°	1462.5	1461.8	1458.7	1455.7	1458.7	1461.8	1462.5	1452.8	1439.9	1433.5	1433.5
175°	1451.9	1451.9	1451.9	1451.9	1451.9	1451.9	1451.9	1445.7	1437.6	1433.5	1435.4
177.5°	1449.9	1449.1	1445.6	1442.2	1445.6	1449.1	1449.9	1445.1	1438.6	1435.4	1436.9
180°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2610.7	2610.7	2610.7	2610.7	2610.7
2.5°	2578.6	2591.0	2598.4	2608.3	2633.0
5°	2479.8	2526.7	2541.6	2578.6	2623.1
7.5°	2262.5	2405.7	2445.2	2534.2	2603.3
10°	2052.5	2195.8	2264.9	2474.9	2578.6
12.5°	1946.3	2030.3	2077.2	2371.2	2544.0
15°	1879.6	1938.9	1973.4	2232.8	2504.5
17.5°	1827.7	1869.8	1894.5	2097.0	2450.1
20°	1795.7	1815.4	1837.6	1998.2	2388.5
22.5°	1773.4	1761.1	1778.4	1929.0	2304.4
25°	1758.6	1711.6	1731.4	1874.6	2205.6
27.5°	1771.0	1667.2	1674.6	1825.3	2101.9
30°	1773.4	1612.8	1615.4	1773.4	1985.8
32.5°	1756.1	1556.1	1558.5	1709.2	1854.9
35°	1714.2	1489.4	1486.9	1635.1	1677.0
37.5°	1657.3	1417.8	1417.8	1553.6	1482.0
40°	1588.2	1346.1	1353.5	1447.4	1309.1
42.5°	1504.2	1269.5	1279.4	1306.6	1180.6
45°	1412.8	1195.5	1202.9	1104.1	1081.8
47.5°	1311.6	1118.8	1121.4	916.4	1049.8
50°	1190.5	1039.9	1030.0	785.4	1047.2
52.5°	1084.3	953.4	923.8	711.3	951.0
55°	980.6	862.0	797.8	654.6	881.8
57.5°	889.2	743.5	681.7	587.8	866.9
60°	805.2	627.4	580.5	516.2	795.3
62.5°	736.1	540.9	531.0	466.8	721.2
65°	662.0	481.7	479.1	424.8	612.5
67.5°	590.4	442.1	439.7	385.3	466.8
70°	513.7	400.1	395.2	343.3	345.7
72.5°	434.7	353.2	348.3	308.7	286.5
75°	355.7	298.8	296.4	269.2	232.2
77.5°	279.1	237.1	242.1	217.3	170.4
80°	200.0	172.9	177.9	155.6	128.4
82.5°	133.4	113.7	118.5	98.8	86.5
85°	74.1	64.2	66.6	51.9	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°	262.7	186.8	170.4	104.5	38.7
95°	646.3	364.0	333.9	213.4	92.9
97.5°	870.5	399.8	373.2	267.0	160.7
100°	952.1	429.8	405.7	309.3	212.9
102.5°	989.6	459.8	437.3	347.3	257.4
105°	1017.2	504.3	485.2	409.1	332.9
107.5°	1022.4	570.1	552.3	481.4	410.4
110°	1014.7	606.9	590.9	526.8	462.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1015.0	651.4	636.2	575.0	514.0
115°	1024.3	718.1	704.0	647.8	591.4
117.5°	1043.4	783.0	770.2	719.1	667.8
120°	1058.8	820.8	808.7	760.6	712.3
122.5°	1081.1	865.3	853.1	804.5	755.9
125°	1111.1	922.4	911.3	867.0	822.7
127.5°	1141.2	977.6	966.4	921.7	876.9
130°	1163.1	1014.3	1002.3	954.1	905.9
132.5°	1180.8	1044.3	1032.3	984.2	935.9
135°	1200.2	1079.2	1068.3	1024.3	980.5
137.5°	1229.2	1123.7	1112.9	1069.4	1025.9
140°	1247.0	1153.7	1143.7	1103.7	1063.7
142.5°	1261.8	1176.0	1166.7	1129.8	1092.8
145°	1281.2	1209.9	1201.8	1169.5	1137.3
147.5°	1309.6	1252.5	1244.7	1213.2	1181.8
150°	1324.4	1274.8	1267.6	1239.2	1210.8
152.5°	1334.1	1289.2	1283.8	1262.3	1240.8
155°	1355.4	1321.2	1317.2	1301.3	1285.4
157.5°	1376.6	1353.1	1349.2	1333.7	1318.3
160°	1386.4	1367.7	1364.7	1352.6	1340.6
162.5°	1396.6	1383.1	1380.8	1371.8	1362.8
165°	1411.5	1405.4	1403.4	1395.2	1387.0
167.5°	1423.1	1417.9	1417.0	1413.1	1409.3
170°	1432.8	1432.5	1431.6	1427.7	1423.7
172.5°	1433.5	1433.5	1433.3	1432.3	1431.5
175°	1439.3	1442.2	1442.2	1442.2	1442.2
177.5°	1439.9	1442.2	1442.2	1442.2	1442.2
180°	1442.2	1442.2	1442.2	1442.2	1442.2



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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	15.53	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	13.35	14.02	14.39	15.06	16.47	17.31	17.98	18.36	19.03	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	17.67	18.26	18.73	19.32	20.74
	12H	13.43	13.99	14.50	15.05	16.49	17.70	18.27	18.77	19.32	20.76
4H	2H	13.71	14.39	14.77	15.43	16.84	15.93	16.60	16.98	17.64	19.05
	3H	14.73	15.30	15.79	16.37	17.79	17.43	17.99	18.49	19.06	20.48
	4H	15.01	15.52	16.07	16.58	18.03	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	15.55	16.21	16.62	18.08	18.42	18.84	19.50	19.91	21.37
	12H	15.10	15.47	16.19	16.56	18.02	18.48	18.85	19.57	19.94	21.40
8H	4H	15.46	15.87	16.53	16.95	18.40	18.07	18.49	19.15	19.56	21.02
	6H	15.72	16.06	16.81	17.18	18.63	18.51	18.85	19.61	19.97	21.42
	8H	15.76	16.06	16.86	17.16	18.63	18.66	18.96	19.77	20.06	21.53
	12H	15.74	16.00	16.85	17.10	18.61	18.76	19.02	19.87	20.12	21.63
12H	4H	15.46	15.83	16.55	16.92	18.38	18.03	18.41	19.13	19.50	20.96
	6H	15.78	16.08	16.88	17.18	18.65	18.51	18.80	19.61	19.91	21.38
	8H	15.84	16.10	16.95	17.20	18.71	18.66	18.93	19.77	20.02	21.53