

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: P936196

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936196
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

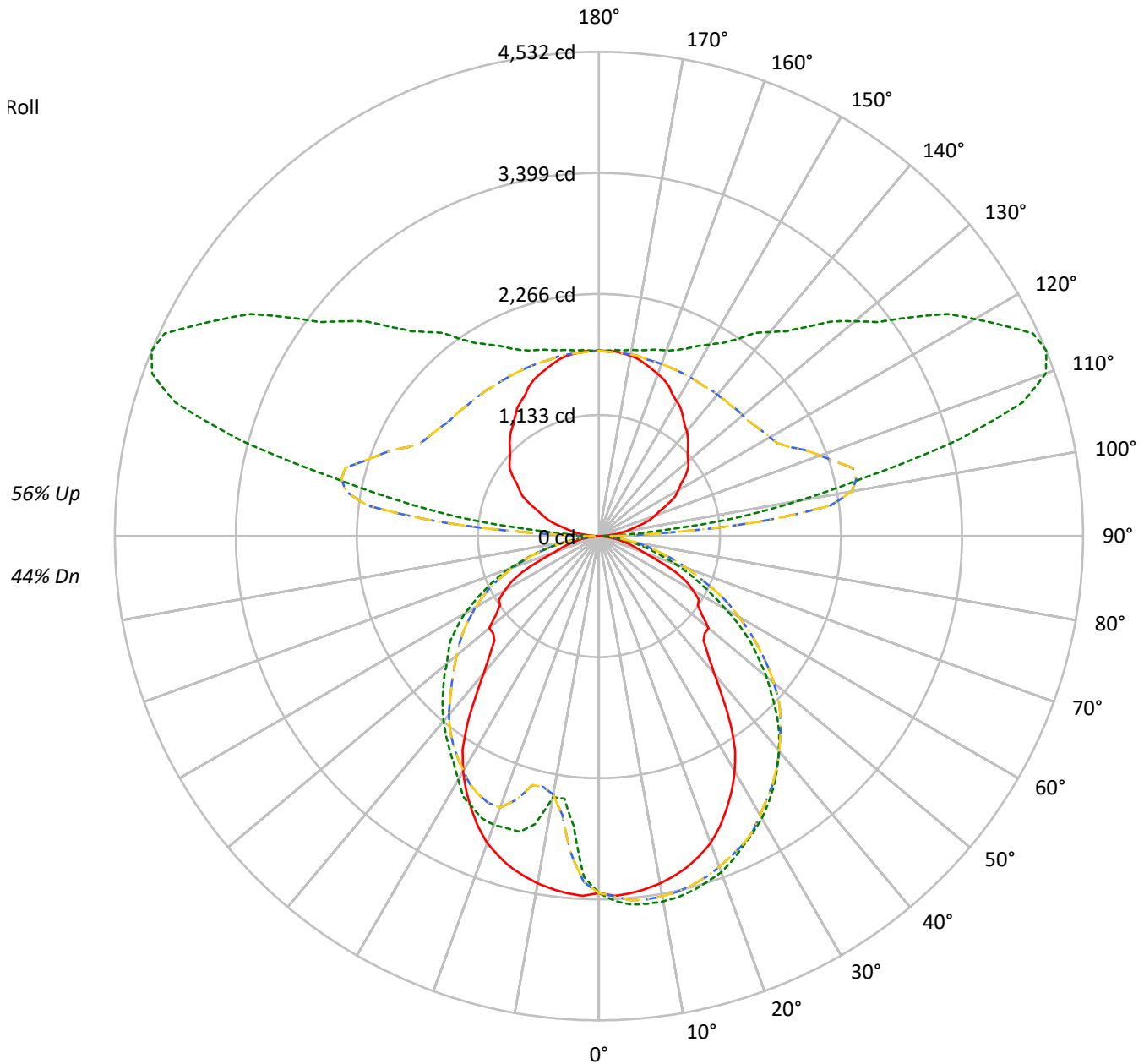
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19923.2 lumens
Efficiency: N/A
Efficacy: 119.7 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): 166.4
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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15501	15501	15501	15501
5°	15617	15648	15617	12304
10°	15513	15414	15513	11020
15°	15344	15080	15344	12592
20°	15023	14684	15023	12618
25°	14366	14108	14366	12351
30°	13518	13628	13518	11764
35°	12050	13022	12050	11119
40°	10041	12309	10041	10631
45°	8972	11474	8972	10070
50°	9532	10478	9532	9509
55°	8968	9406	8968	9183
60°	9244	7988	9244	8410
65°	8381	6603	8381	7382
70°	5803	5262	5803	6187
75°	5088	3889	5088	4658
80°	4102	2572	4102	2801
85°	2352	1363	2352	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.6	1.5
10°-20°	856.3	4.3
20°-30°	1323.7	6.6
30°-40°	1580.2	7.9
40°-50°	1589.5	8.0
50°-60°	1383.0	6.9
60°-70°	980.6	4.9
70°-80°	518.8	2.6
80°-90°	135.8	0.7
90°-100°	846.2	4.2
100°-110°	2224.7	11.2
110°-120°	2306.8	11.6
120°-130°	1850.3	9.3
130°-140°	1451.9	7.3
140°-150°	1114.3	5.6
150°-160°	802.5	4.0
160°-170°	491.0	2.5
170°-180°	165.9	0.8
0°-30°	2481.6	12.5
0°-40°	4061.8	20.4
0°-60°	7034.3	35.3
0°-90°	8669.5	43.5
90°-120°	5377.7	27.0
90°-150°	9794.2	49.2
90°-180°	11254.0	56.5
0°-180°	19923.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3341	3341	3341	3341	3341	
5°	3357	3461	3357	2722	3357	318
15°	3205	3430	3205	2864	3205	902
25°	2823	3199	2823	2801	2823	1296
35°	2146	2854	2146	2437	2146	1328
45°	1384	2352	1384	2064	1384	1109
55°	1128	1735	1128	1694	1128	1037
65°	784	1046	784	1170	784	749
75°	297	496	297	594	297	312
85°	50	126	50	108	50	68
90°	12	44	12	44	12	12
95°	112	512	112	512	112	124
105°	401	3484	401	3484	401	425
115°	712	4486	712	4486	712	703
125°	990	3572	990	3572	990	879
135°	1180	2772	1180	2772	1180	913
145°	1369	2249	1369	2249	1369	858
155°	1547	1936	1547	1936	1547	711
165°	1670	1804	1670	1804	1670	471
175°	1736	1748	1736	1748	1736	165
180°	1736	1736	1736	1736	1736	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3369.5	3369.5	3388.5	3394.8	3394.8	3385.4	3375.8	3385.4	3413.8	3423.3	3420.1
5°	3356.9	3382.2	3416.9	3423.3	3429.6	3426.5	3420.1	3426.5	3458.0	3464.4	3467.6
7.5°	3331.6	3379.0	3423.3	3432.7	3442.3	3432.7	3429.6	3435.9	3467.6	3473.8	3473.8
10°	3300.0	3366.4	3416.9	3423.3	3432.7	3423.3	3423.3	3435.9	3467.6	3473.8	3477.0
12.5°	3255.7	3347.4	3394.8	3401.2	3413.8	3410.6	3407.5	3420.1	3451.7	3458.0	3458.0
15°	3205.2	3312.6	3356.9	3363.2	3385.4	3379.0	3379.0	3391.6	3426.5	3435.9	3432.7
17.5°	3135.6	3268.3	3319.0	3328.4	3344.3	3341.1	3344.3	3356.9	3388.5	3394.8	3398.0
20°	3056.6	3208.3	3268.3	3277.9	3293.7	3293.7	3293.7	3309.4	3341.1	3353.7	3353.7
22.5°	2949.1	3145.2	3208.3	3214.6	3233.6	3233.6	3240.0	3262.1	3290.5	3293.7	3293.7
25°	2822.7	3075.6	3129.3	3148.2	3167.2	3176.7	3186.2	3198.9	3208.3	3205.2	3208.3
27.5°	2689.9	2987.0	3056.6	3069.2	3094.5	3104.1	3116.7	3119.8	3123.0	3132.4	3126.1
30°	2541.4	2863.8	2968.1	2980.8	3021.9	3028.1	3015.5	3021.9	3037.6	3044.0	3050.3
32.5°	2373.9	2680.5	2876.4	2904.9	2942.8	2923.9	2920.7	2930.1	2955.5	2955.5	2961.8
35°	2146.2	2538.2	2791.1	2816.4	2844.8	2822.7	2835.3	2838.5	2854.3	2863.8	2860.7
37.5°	1896.6	2415.0	2702.6	2721.6	2743.7	2715.2	2734.2	2743.7	2756.3	2750.0	2750.0
40°	1675.3	2222.1	2598.3	2610.9	2629.9	2607.7	2626.7	2633.0	2639.4	2633.0	2629.9
42.5°	1510.9	2010.3	2487.6	2503.4	2490.8	2506.6	2512.9	2525.5	2516.1	2503.4	2503.4
45°	1384.5	1953.5	2367.5	2386.5	2367.5	2392.8	2402.3	2402.3	2373.9	2367.5	2364.3
47.5°	1343.4	1839.6	2247.4	2247.4	2238.0	2269.5	2285.3	2263.2	2234.8	2225.3	2225.3
50°	1340.2	1713.2	2083.0	2070.4	2114.7	2152.6	2136.8	2114.7	2092.5	2057.8	2057.8
52.5°	1216.9	1558.3	1871.3	1918.7	1988.2	2010.3	1985.0	1962.9	1925.0	1909.2	1896.6
55°	1128.5	1397.2	1678.5	1773.3	1846.0	1874.4	1827.0	1804.9	1748.0	1738.5	1732.2
57.5°	1109.5	1163.2	1501.4	1621.5	1710.1	1706.9	1678.5	1637.4	1589.9	1580.4	1577.3
60°	1017.8	840.8	1311.8	1454.1	1545.7	1536.2	1510.9	1473.0	1428.7	1422.4	1416.1
62.5°	923.0	610.1	1096.8	1258.0	1387.6	1384.5	1362.3	1305.5	1273.9	1258.0	1245.4
65°	783.9	512.1	780.7	1046.3	1232.8	1239.0	1191.7	1150.6	1115.8	1096.8	1093.7
67.5°	597.4	417.2	527.9	872.4	1084.2	1077.8	1017.8	998.8	954.6	945.1	926.2
70°	442.5	278.1	366.7	708.1	938.8	923.0	875.5	853.5	812.4	790.3	777.6
72.5°	366.7	224.4	268.7	550.0	790.3	771.3	730.2	704.9	670.1	651.2	638.5
75°	297.1	237.0	205.5	407.8	641.7	629.0	591.1	565.8	537.3	512.1	515.2
77.5°	218.1	221.3	164.4	300.3	508.9	490.0	467.8	436.2	423.6	398.3	398.3
80°	164.4	173.8	123.3	205.5	366.7	366.7	347.7	325.6	303.5	290.8	290.8
82.5°	110.6	110.6	91.6	129.6	249.8	240.2	227.6	221.3	208.7	202.3	202.3
85°	50.5	63.2	56.9	79.0	135.9	142.2	142.2	135.9	132.7	126.5	129.6
87.5°	15.8	28.5	34.7	44.3	69.6	72.7	75.8	75.8	75.8	79.0	79.0
90°	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0	44.3	44.3
92.5°	46.6	125.8	205.1	224.9	316.2	437.9	498.7	437.0	313.8	221.4	212.6
95°	111.9	256.8	401.8	438.0	777.8	1230.9	1457.5	1300.6	986.9	751.5	724.8
97.5°	193.4	321.3	449.3	481.2	1047.9	1803.4	2181.1	2081.9	1883.6	1734.8	1684.1
100°	256.3	372.3	488.3	517.3	1146.1	1984.4	2403.6	2410.8	2425.3	2436.2	2375.7
102.5°	309.9	418.2	526.3	553.4	1191.1	2041.4	2466.5	2592.9	2845.5	3035.0	2983.3
105°	400.8	492.4	584.1	607.0	1224.5	2047.8	2459.5	2742.8	3309.3	3734.1	3706.3
107.5°	494.0	579.5	664.8	686.2	1230.7	1956.7	2319.7	2714.8	3505.0	4097.6	4104.4
110°	556.9	634.1	711.2	730.5	1221.4	1875.9	2203.2	2644.9	3528.3	4190.9	4219.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	618.7	692.2	765.7	784.1	1221.8	1805.3	2097.1	2549.2	3453.3	4131.4	4175.9
115°	711.9	779.7	847.5	864.5	1233.1	1724.4	1970.2	2405.6	3276.6	3929.8	3991.5
117.5°	803.9	865.5	927.2	942.6	1255.9	1673.8	1882.8	2275.8	3061.8	3651.4	3719.8
120°	857.5	915.5	973.5	988.0	1274.6	1656.7	1847.8	2206.9	2925.2	3463.8	3530.3
122.5°	909.9	968.5	1026.9	1041.6	1301.4	1647.9	1821.0	2144.4	2791.2	3276.2	3341.9
125°	990.3	1043.7	1097.0	1110.3	1337.5	1640.4	1791.9	2066.6	2615.9	3028.0	3088.5
127.5°	1055.6	1109.4	1163.3	1176.7	1373.6	1636.2	1767.4	2003.2	2475.0	2828.8	2879.8
130°	1090.5	1148.5	1206.5	1221.0	1400.1	1638.7	1758.1	1968.0	2388.1	2703.0	2750.2
132.5°	1126.7	1184.7	1242.7	1257.2	1421.5	1640.5	1749.9	1937.9	2313.8	2595.8	2638.0
135°	1180.2	1233.1	1285.9	1299.1	1444.7	1638.9	1735.9	1893.4	2208.3	2444.4	2480.7
137.5°	1235.0	1287.3	1339.5	1352.6	1479.6	1649.0	1733.7	1866.8	2132.9	2332.5	2362.3
140°	1280.4	1328.6	1376.7	1388.8	1501.0	1650.7	1725.5	1840.4	2070.4	2242.8	2270.6
142.5°	1315.4	1359.9	1404.5	1415.6	1518.9	1656.6	1725.5	1826.4	2028.4	2179.9	2203.8
145°	1369.0	1407.8	1446.7	1456.4	1542.2	1656.6	1713.8	1796.4	1961.6	2085.5	2103.6
147.5°	1422.6	1460.4	1498.2	1507.7	1576.4	1668.0	1713.8	1778.8	1908.7	2006.2	2021.3
150°	1457.5	1491.7	1525.9	1534.4	1594.2	1673.9	1713.8	1768.7	1878.5	1960.8	1973.0
152.5°	1493.7	1519.5	1545.5	1551.9	1605.9	1677.8	1713.8	1760.7	1854.4	1924.7	1933.8
155°	1547.3	1566.4	1585.6	1590.3	1631.5	1686.3	1713.8	1751.1	1825.7	1881.6	1887.7
157.5°	1586.9	1605.5	1624.1	1628.8	1657.1	1694.9	1713.8	1742.8	1800.8	1844.4	1848.7
160°	1613.7	1628.1	1642.6	1646.3	1668.8	1698.8	1713.8	1738.6	1788.4	1825.7	1828.1
162.5°	1640.5	1651.3	1662.2	1664.9	1681.2	1703.0	1713.8	1734.8	1776.7	1808.2	1810.6
165°	1669.5	1679.3	1689.2	1691.7	1699.0	1708.8	1713.8	1728.8	1758.9	1781.4	1783.8
167.5°	1696.3	1701.0	1705.7	1706.9	1713.0	1721.4	1725.5	1735.3	1755.0	1769.7	1770.8
170°	1713.8	1718.5	1723.1	1724.4	1724.7	1725.2	1725.5	1735.3	1755.0	1769.7	1769.7
172.5°	1723.1	1724.2	1725.2	1725.5	1725.5	1725.5	1725.5	1733.2	1748.7	1760.4	1759.5
175°	1735.9	1735.9	1735.9	1735.9	1732.5	1727.8	1725.5	1730.4	1740.2	1747.6	1747.6
177.5°	1735.9	1735.9	1735.9	1735.9	1733.2	1729.6	1727.8	1731.7	1739.5	1745.3	1744.2
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3426.5	3416.9	3426.5	3420.1	3423.3	3413.8	3385.4	3375.8	3385.4	3394.8	3394.8
5°	3467.6	3461.2	3467.6	3467.6	3464.4	3458.0	3426.5	3420.1	3426.5	3429.6	3423.3
7.5°	3480.2	3470.7	3480.2	3473.8	3473.8	3467.6	3435.9	3429.6	3432.7	3442.3	3432.7
10°	3480.2	3470.7	3480.2	3477.0	3473.8	3467.6	3435.9	3423.3	3423.3	3432.7	3423.3
12.5°	3464.4	3458.0	3464.4	3458.0	3458.0	3451.7	3420.1	3407.5	3410.6	3413.8	3401.2
15°	3439.1	3429.6	3439.1	3432.7	3435.9	3426.5	3391.6	3379.0	3379.0	3385.4	3363.2
17.5°	3401.2	3388.5	3401.2	3398.0	3394.8	3388.5	3356.9	3344.3	3341.1	3344.3	3328.4
20°	3356.9	3347.4	3356.9	3353.7	3353.7	3341.1	3309.4	3293.7	3293.7	3293.7	3277.9
22.5°	3287.3	3277.9	3287.3	3293.7	3293.7	3290.5	3262.1	3240.0	3233.6	3233.6	3214.6
25°	3208.3	3198.9	3208.3	3208.3	3205.2	3208.3	3198.9	3186.2	3176.7	3167.2	3148.2
27.5°	3132.4	3126.1	3132.4	3126.1	3132.4	3123.0	3119.8	3116.7	3104.1	3094.5	3069.2
30°	3056.6	3050.3	3056.6	3050.3	3044.0	3037.6	3021.9	3015.5	3028.1	3021.9	2980.8
32.5°	2961.8	2955.5	2961.8	2961.8	2955.5	2955.5	2930.1	2920.7	2923.9	2942.8	2904.9
35°	2863.8	2854.3	2863.8	2860.7	2863.8	2854.3	2838.5	2835.3	2822.7	2844.8	2816.4
37.5°	2750.0	2740.5	2750.0	2750.0	2750.0	2756.3	2743.7	2734.2	2715.2	2743.7	2721.6
40°	2633.0	2620.4	2633.0	2629.9	2633.0	2639.4	2633.0	2626.7	2607.7	2629.9	2610.9
42.5°	2500.3	2497.1	2500.3	2503.4	2503.4	2516.1	2525.5	2512.9	2506.6	2490.8	2503.4
45°	2358.1	2351.7	2358.1	2364.3	2367.5	2373.9	2402.3	2402.3	2392.8	2367.5	2386.5
47.5°	2206.3	2190.5	2206.3	2225.3	2225.3	2234.8	2263.2	2285.3	2269.5	2238.0	2247.4
50°	2045.1	2048.3	2045.1	2057.8	2057.8	2092.5	2114.7	2136.8	2152.6	2114.7	2070.4
52.5°	1887.1	1883.9	1887.1	1896.6	1909.2	1925.0	1962.9	1985.0	2010.3	1988.2	1918.7
55°	1729.0	1735.4	1729.0	1732.2	1738.5	1748.0	1804.9	1827.0	1874.4	1846.0	1773.3
57.5°	1571.0	1561.5	1571.0	1577.3	1580.4	1589.9	1637.4	1678.5	1706.9	1710.1	1621.5
60°	1387.6	1375.0	1387.6	1416.1	1422.4	1428.7	1473.0	1510.9	1536.2	1545.7	1454.1
62.5°	1226.4	1204.3	1226.4	1245.4	1258.0	1273.9	1305.5	1362.3	1384.5	1387.6	1258.0
65°	1055.7	1046.3	1055.7	1093.7	1096.8	1115.8	1150.6	1191.7	1239.0	1232.8	1046.3
67.5°	900.8	900.8	900.8	926.2	945.1	954.6	998.8	1017.8	1077.8	1084.2	872.4
70°	758.6	755.4	758.6	777.6	790.3	812.4	853.5	875.5	923.0	938.8	708.1
72.5°	622.7	619.5	622.7	638.5	651.2	670.1	704.9	730.2	771.3	790.3	550.0
75°	502.6	496.2	502.6	515.2	512.1	537.3	565.8	591.1	629.0	641.7	407.8
77.5°	385.6	385.6	385.6	398.3	398.3	423.6	436.2	467.8	490.0	508.9	300.3
80°	287.7	284.5	287.7	290.8	290.8	303.5	325.6	347.7	366.7	366.7	205.5
82.5°	202.3	196.0	202.3	202.3	202.3	208.7	221.3	227.6	240.2	249.8	129.6
85°	126.5	126.5	126.5	129.6	126.5	132.7	135.9	142.2	142.2	135.9	79.0
87.5°	82.2	79.0	82.2	79.0	79.0	75.8	75.8	75.8	72.7	69.6	44.3
90°	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1	51.3	32.6
92.5°	177.4	142.2	177.4	212.6	221.4	313.8	437.0	498.7	437.9	316.2	224.9
95°	618.1	511.5	618.1	724.8	751.5	986.9	1300.6	1457.5	1230.9	777.8	438.0
97.5°	1481.0	1278.1	1481.0	1684.1	1734.8	1883.6	2081.9	2181.1	1803.4	1047.9	481.2
100°	2133.9	1892.1	2133.9	2375.7	2436.2	2425.3	2410.8	2403.6	1984.4	1146.1	517.3
102.5°	2776.1	2569.1	2776.1	2983.3	3035.0	2845.5	2592.9	2466.5	2041.4	1191.1	553.4
105°	3595.0	3483.6	3595.0	3706.3	3734.1	3309.3	2742.8	2459.5	2047.8	1224.5	607.0
107.5°	4131.3	4158.2	4131.3	4104.4	4097.6	3505.0	2714.8	2319.7	1956.7	1230.7	686.2
110°	4335.8	4451.8	4335.8	4219.8	4190.9	3528.3	2644.9	2203.2	1875.9	1221.4	730.5



TEST NUMBER: P936196

CATALOG NUMBER: SQ4-FA-150U-125D-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°	4354.0	4532.1	4354.0	4175.9	4131.4	3453.3	2549.2	2097.1	1805.3	1221.8	784.1
115°	4238.6	4485.5	4238.6	3991.5	3929.8	3276.6	2405.6	1970.2	1724.4	1233.1	864.5
117.5°	3993.8	4267.7	3993.8	3719.8	3651.4	3061.8	2275.8	1882.8	1673.8	1255.9	942.6
120°	3796.5	4062.6	3796.5	3530.3	3463.8	2925.2	2206.9	1847.8	1656.7	1274.6	988.0
122.5°	3604.4	3866.9	3604.4	3341.9	3276.2	2791.2	2144.4	1821.0	1647.9	1301.4	1041.6
125°	3330.4	3572.2	3330.4	3088.5	3028.0	2615.9	2066.6	1791.9	1640.4	1337.5	1110.3
127.5°	3083.9	3287.9	3083.9	2879.8	2828.8	2475.0	2003.2	1767.4	1636.2	1373.6	1176.7
130°	2938.6	3127.1	2938.6	2750.2	2703.0	2388.1	1968.0	1758.1	1638.7	1400.1	1221.0
132.5°	2806.8	2975.6	2806.8	2638.0	2595.8	2313.8	1937.9	1749.9	1640.5	1421.5	1257.2
135°	2626.2	2771.7	2626.2	2480.7	2444.4	2208.3	1893.4	1735.9	1638.9	1444.7	1299.1
137.5°	2481.4	2600.4	2481.4	2362.3	2332.5	2132.9	1866.8	1733.7	1649.0	1479.6	1352.6
140°	2382.0	2493.3	2382.0	2270.6	2242.8	2070.4	1840.4	1725.5	1650.7	1501.0	1388.8
142.5°	2299.6	2395.4	2299.6	2203.8	2179.9	2028.4	1826.4	1725.5	1656.6	1518.9	1415.6
145°	2176.1	2248.6	2176.1	2103.6	2085.5	1961.6	1796.4	1713.8	1656.6	1542.2	1456.4
147.5°	2081.3	2141.4	2081.3	2021.3	2006.2	1908.7	1778.8	1713.8	1668.0	1576.4	1507.7
150°	2021.7	2070.4	2021.7	1973.0	1960.8	1878.5	1768.7	1713.8	1673.9	1594.2	1534.4
152.5°	1970.6	2007.4	1970.6	1933.8	1924.7	1854.4	1760.7	1713.8	1677.8	1605.9	1551.9
155°	1912.1	1936.4	1912.1	1887.7	1881.6	1825.7	1751.1	1713.8	1686.3	1631.5	1590.3
157.5°	1865.7	1882.8	1865.7	1848.7	1844.4	1800.8	1742.8	1713.8	1694.9	1657.1	1628.8
160°	1838.0	1847.8	1838.0	1828.1	1825.7	1788.4	1738.6	1713.8	1698.8	1668.8	1646.3
162.5°	1819.8	1829.1	1819.8	1810.6	1808.2	1776.7	1734.8	1713.8	1703.0	1681.2	1664.9
165°	1793.7	1803.6	1793.7	1783.8	1781.4	1758.9	1728.8	1713.8	1708.8	1699.0	1691.7
167.5°	1775.0	1779.1	1775.0	1770.8	1769.7	1755.0	1735.3	1725.5	1721.4	1713.0	1706.9
170°	1769.7	1769.7	1769.7	1769.7	1769.7	1755.0	1735.3	1725.5	1725.2	1724.7	1724.4
172.5°	1755.9	1752.3	1755.9	1759.5	1760.4	1748.7	1733.2	1725.5	1725.5	1725.5	1725.5
175°	1747.6	1747.6	1747.6	1747.6	1747.6	1740.2	1730.4	1725.5	1727.8	1732.5	1735.9
177.5°	1740.0	1735.9	1740.0	1744.2	1745.3	1739.5	1731.7	1727.8	1729.6	1733.2	1735.9
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P936196

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3388.5	3369.5	3369.5	3337.9	3325.3	3315.8	3300.0	3252.6	3240.0	3227.3	3246.3
5°	3416.9	3382.2	3356.9	3300.0	3252.6	3233.6	3173.5	3059.8	2983.9	2927.0	2895.4
7.5°	3423.3	3379.0	3331.6	3243.1	3129.3	3078.7	2895.4	2686.7	2629.9	2579.3	2547.7
10°	3416.9	3366.4	3300.0	3167.2	2898.6	2810.0	2626.7	2490.8	2456.0	2446.5	2456.0
12.5°	3394.8	3347.4	3255.7	3034.5	2658.4	2598.3	2490.8	2411.8	2405.4	2421.3	2506.6
15°	3356.9	3312.6	3205.2	2857.5	2525.5	2481.4	2405.4	2377.0	2411.8	2522.5	2778.5
17.5°	3319.0	3268.3	3135.6	2683.7	2424.4	2392.8	2339.1	2396.0	2591.9	2740.5	2825.8
20°	3268.3	3208.3	3056.6	2557.2	2351.7	2323.2	2298.0	2554.0	2702.6	2756.3	2803.8
22.5°	3208.3	3145.2	2949.1	2468.7	2275.9	2253.7	2269.5	2642.6	2702.6	2740.5	2781.6
25°	3129.3	3075.6	2822.7	2399.2	2215.8	2190.5	2250.6	2633.0	2667.8	2677.3	2759.5
27.5°	3056.6	2987.0	2689.9	2335.9	2143.1	2133.6	2266.4	2591.9	2617.3	2626.7	2715.2
30°	2968.1	2863.8	2541.4	2269.5	2067.2	2064.0	2269.5	2541.4	2535.1	2560.4	2648.8
32.5°	2876.4	2680.5	2373.9	2187.3	1994.6	1991.4	2247.4	2465.5	2459.2	2494.0	2560.4
35°	2791.1	2538.2	2146.2	2092.5	1902.8	1906.0	2193.7	2377.0	2380.2	2411.8	2452.9
37.5°	2702.6	2415.0	1896.6	1988.2	1814.4	1814.4	2120.9	2294.8	2288.5	2298.0	2354.9
40°	2598.3	2222.1	1675.3	1852.3	1732.2	1722.7	2032.5	2206.3	2184.2	2181.1	2260.1
42.5°	2487.6	2010.3	1510.9	1672.1	1637.4	1624.7	1925.0	2098.9	2057.8	2067.2	2168.4
45°	2367.5	1953.5	1384.5	1413.0	1539.3	1529.9	1808.0	1975.6	1947.1	1972.4	2076.7
47.5°	2247.4	1839.6	1343.4	1172.7	1435.1	1431.9	1678.5	1855.5	1839.6	1864.9	1975.6
50°	2083.0	1713.2	1340.2	1005.2	1318.1	1330.8	1523.5	1738.5	1738.5	1760.6	1877.6
52.5°	1871.3	1558.3	1216.9	910.4	1182.2	1220.1	1387.6	1637.4	1643.7	1665.8	1770.1
55°	1678.5	1397.2	1128.5	837.6	1021.0	1103.1	1254.9	1533.1	1545.7	1567.8	1662.6
57.5°	1501.4	1163.2	1109.5	752.3	872.4	951.5	1137.9	1431.9	1438.2	1457.2	1548.9
60°	1311.8	840.8	1017.8	660.6	742.8	802.9	1030.5	1311.8	1333.9	1346.5	1425.6
62.5°	1096.8	610.1	923.0	597.4	679.6	692.3	941.9	1197.9	1226.4	1236.0	1283.3
65°	780.7	512.1	783.9	543.7	613.2	616.3	847.1	1081.0	1106.3	1122.1	1156.9
67.5°	527.9	417.2	597.4	493.1	562.6	565.8	755.4	945.1	979.9	992.6	1014.7
70°	366.7	278.1	442.5	439.4	505.8	512.1	657.4	821.8	853.5	862.9	875.5
72.5°	268.7	224.4	366.7	395.1	445.7	452.1	556.3	682.8	714.3	723.8	730.2
75°	205.5	237.0	297.1	344.6	379.3	382.5	455.1	556.3	578.4	584.8	588.0
77.5°	164.4	221.3	218.1	278.1	309.8	303.5	357.2	429.9	448.9	448.9	448.9
80°	123.3	173.8	164.4	199.1	227.6	221.3	256.0	306.6	312.9	319.2	316.1
82.5°	91.6	110.6	110.6	126.5	151.7	145.4	170.7	199.1	199.1	199.1	205.5
85°	56.9	63.2	50.5	66.4	85.4	82.2	94.8	107.5	110.6	110.6	104.3
87.5°	34.7	28.5	15.8	25.3	37.9	37.9	44.3	47.4	44.3	44.3	44.3
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0
92.5°	205.1	125.8	46.6	125.8	205.1	224.9	316.2	437.9	498.7	437.0	313.8
95°	401.8	256.8	111.9	256.8	401.8	438.0	777.8	1230.9	1457.5	1300.6	986.9
97.5°	449.3	321.3	193.4	321.3	449.3	481.2	1047.9	1803.4	2181.1	2081.9	1883.6
100°	488.3	372.3	256.3	372.3	488.3	517.3	1146.1	1984.4	2403.6	2410.8	2425.3
102.5°	526.3	418.2	309.9	418.2	526.3	553.4	1191.1	2041.4	2466.5	2592.9	2845.5
105°	584.1	492.4	400.8	492.4	584.1	607.0	1224.5	2047.8	2459.5	2742.8	3309.3
107.5°	664.8	579.5	494.0	579.5	664.8	686.2	1230.7	1956.7	2319.7	2714.8	3505.0
110°	711.2	634.1	556.9	634.1	711.2	730.5	1221.4	1875.9	2203.2	2644.9	3528.3



TEST NUMBER: P936196

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	765.7	692.2	618.7	692.2	765.7	784.1	1221.8	1805.3	2097.1	2549.2	3453.3
115°	847.5	779.7	711.9	779.7	847.5	864.5	1233.1	1724.4	1970.2	2405.6	3276.6
117.5°	927.2	865.5	803.9	865.5	927.2	942.6	1255.9	1673.8	1882.8	2275.8	3061.8
120°	973.5	915.5	857.5	915.5	973.5	988.0	1274.6	1656.7	1847.8	2206.9	2925.2
122.5°	1026.9	968.5	909.9	968.5	1026.9	1041.6	1301.4	1647.9	1821.0	2144.4	2791.2
125°	1097.0	1043.7	990.3	1043.7	1097.0	1110.3	1337.5	1640.4	1791.9	2066.6	2615.9
127.5°	1163.3	1109.4	1055.6	1109.4	1163.3	1176.7	1373.6	1636.2	1767.4	2003.2	2475.0
130°	1206.5	1148.5	1090.5	1148.5	1206.5	1221.0	1400.1	1638.7	1758.1	1968.0	2388.1
132.5°	1242.7	1184.7	1126.7	1184.7	1242.7	1257.2	1421.5	1640.5	1749.9	1937.9	2313.8
135°	1285.9	1233.1	1180.2	1233.1	1285.9	1299.1	1444.7	1638.9	1735.9	1893.4	2208.3
137.5°	1339.5	1287.3	1235.0	1287.3	1339.5	1352.6	1479.6	1649.0	1733.7	1866.8	2132.9
140°	1376.7	1328.6	1280.4	1328.6	1376.7	1388.8	1501.0	1650.7	1725.5	1840.4	2070.4
142.5°	1404.5	1359.9	1315.4	1359.9	1404.5	1415.6	1518.9	1656.6	1725.5	1826.4	2028.4
145°	1446.7	1407.8	1369.0	1407.8	1446.7	1456.4	1542.2	1656.6	1713.8	1796.4	1961.6
147.5°	1498.2	1460.4	1422.6	1460.4	1498.2	1507.7	1576.4	1668.0	1713.8	1778.8	1908.7
150°	1525.9	1491.7	1457.5	1491.7	1525.9	1534.4	1594.2	1673.9	1713.8	1768.7	1878.5
152.5°	1545.5	1519.5	1493.7	1519.5	1545.5	1551.9	1605.9	1677.8	1713.8	1760.7	1854.4
155°	1585.6	1566.4	1547.3	1566.4	1585.6	1590.3	1631.5	1686.3	1713.8	1751.1	1825.7
157.5°	1624.1	1605.5	1586.9	1605.5	1624.1	1628.8	1657.1	1694.9	1713.8	1742.8	1800.8
160°	1642.6	1628.1	1613.7	1628.1	1642.6	1646.3	1668.8	1698.8	1713.8	1738.6	1788.4
162.5°	1662.2	1651.3	1640.5	1651.3	1662.2	1664.9	1681.2	1703.0	1713.8	1734.8	1776.7
165°	1689.2	1679.3	1669.5	1679.3	1689.2	1691.7	1699.0	1708.8	1713.8	1728.8	1758.9
167.5°	1705.7	1701.0	1696.3	1701.0	1705.7	1706.9	1713.0	1721.4	1725.5	1735.3	1755.0
170°	1723.1	1718.5	1713.8	1718.5	1723.1	1724.4	1724.7	1725.2	1725.5	1735.3	1755.0
172.5°	1725.2	1724.2	1723.1	1724.2	1725.2	1725.5	1725.5	1725.5	1725.5	1733.2	1748.7
175°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1732.5	1727.8	1725.5	1730.4	1740.2
177.5°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1733.2	1729.6	1727.8	1731.7	1739.5
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P936196

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3224.2	3214.6	3227.3	3192.5	3227.3	3214.6	3224.2	3246.3	3227.3	3240.0	3252.6
5°	2829.0	2813.2	2762.7	2721.6	2762.7	2813.2	2829.0	2895.4	2927.0	2983.9	3059.8
7.5°	2528.7	2516.1	2503.4	2478.2	2503.4	2516.1	2528.7	2547.7	2579.3	2629.9	2686.7
10°	2462.4	2465.5	2484.4	2481.4	2484.4	2465.5	2462.4	2456.0	2446.5	2456.0	2490.8
12.5°	2633.0	2661.5	2765.8	2759.5	2765.8	2661.5	2633.0	2506.6	2421.3	2405.4	2411.8
15°	2829.0	2838.5	2860.7	2863.8	2860.7	2838.5	2829.0	2778.5	2522.5	2411.8	2377.0
17.5°	2848.0	2851.1	2866.9	2866.9	2866.9	2851.1	2848.0	2825.8	2740.5	2591.9	2396.0
20°	2832.2	2838.5	2870.1	2876.4	2870.1	2838.5	2832.2	2803.8	2756.3	2702.6	2554.0
22.5°	2825.8	2838.5	2863.8	2860.7	2863.8	2838.5	2825.8	2781.6	2740.5	2702.6	2642.6
25°	2794.2	2794.2	2797.4	2800.6	2797.4	2794.2	2794.2	2759.5	2677.3	2667.8	2633.0
27.5°	2727.8	2734.2	2753.2	2750.0	2753.2	2734.2	2727.8	2715.2	2626.7	2617.3	2591.9
30°	2667.8	2661.5	2645.6	2633.0	2645.6	2661.5	2667.8	2648.8	2560.4	2535.1	2541.4
32.5°	2566.6	2550.8	2535.1	2525.5	2535.1	2550.8	2566.6	2560.4	2494.0	2459.2	2465.5
35°	2446.5	2449.7	2446.5	2437.1	2446.5	2449.7	2446.5	2452.9	2411.8	2380.2	2377.0
37.5°	2361.2	2367.5	2364.3	2351.7	2364.3	2367.5	2361.2	2354.9	2298.0	2288.5	2294.8
40°	2272.7	2275.9	2272.7	2263.2	2272.7	2275.9	2272.7	2260.1	2181.1	2184.2	2206.3
42.5°	2187.3	2184.2	2174.7	2168.4	2174.7	2184.2	2187.3	2168.4	2067.2	2057.8	2098.9
45°	2089.4	2092.5	2073.6	2064.0	2073.6	2092.5	2089.4	2076.7	1972.4	1947.1	1975.6
47.5°	1991.4	1991.4	1975.6	1966.1	1975.6	1991.4	1991.4	1975.6	1864.9	1839.6	1855.5
50°	1887.1	1883.9	1861.7	1858.7	1861.7	1883.9	1887.1	1877.6	1760.6	1738.5	1738.5
52.5°	1766.9	1766.9	1770.1	1776.5	1770.1	1766.9	1766.9	1770.1	1665.8	1643.7	1637.4
55°	1662.6	1665.8	1687.9	1694.3	1687.9	1665.8	1662.6	1662.6	1567.8	1545.7	1533.1
57.5°	1555.2	1555.2	1571.0	1571.0	1571.0	1555.2	1555.2	1548.9	1457.2	1438.2	1431.9
60°	1431.9	1438.2	1450.9	1447.7	1450.9	1438.2	1431.9	1425.6	1346.5	1333.9	1311.8
62.5°	1302.3	1308.6	1311.8	1305.5	1311.8	1308.6	1302.3	1283.3	1236.0	1226.4	1197.9
65°	1166.4	1172.7	1175.9	1169.6	1175.9	1172.7	1166.4	1156.9	1122.1	1106.3	1081.0
67.5°	1027.3	1024.1	1021.0	1033.7	1021.0	1024.1	1027.3	1014.7	992.6	979.9	945.1
70°	885.1	885.1	881.9	888.2	881.9	885.1	885.1	875.5	862.9	853.5	821.8
72.5°	733.4	730.2	742.8	733.4	742.8	730.2	733.4	730.2	723.8	714.3	682.8
75°	584.8	591.1	584.8	594.2	584.8	591.1	584.8	588.0	584.8	578.4	556.3
77.5°	445.7	452.1	445.7	445.7	445.7	452.1	445.7	448.9	448.9	448.9	429.9
80°	316.1	312.9	312.9	309.8	312.9	312.9	316.1	316.1	319.2	312.9	306.6
82.5°	202.3	199.1	199.1	205.5	199.1	199.1	202.3	205.5	199.1	199.1	199.1
85°	110.6	113.8	107.5	107.5	107.5	113.8	110.6	104.3	110.6	110.6	107.5
87.5°	41.1	37.9	37.9	37.9	37.9	37.9	41.1	44.3	44.3	44.3	47.4
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1
92.5°	221.4	212.6	177.4	142.2	177.4	212.6	221.4	313.8	437.0	498.7	437.9
95°	751.5	724.8	618.1	511.5	618.1	724.8	751.5	986.9	1300.6	1457.5	1230.9
97.5°	1734.8	1684.1	1481.0	1278.1	1481.0	1684.1	1734.8	1883.6	2081.9	2181.1	1803.4
100°	2436.2	2375.7	2133.9	1892.1	2133.9	2375.7	2436.2	2425.3	2410.8	2403.6	1984.4
102.5°	3035.0	2983.3	2776.1	2569.1	2776.1	2983.3	3035.0	2845.5	2592.9	2466.5	2041.4
105°	3734.1	3706.3	3595.0	3483.6	3595.0	3706.3	3734.1	3309.3	2742.8	2459.5	2047.8
107.5°	4097.6	4104.4	4131.3	4158.2	4131.3	4104.4	4097.6	3505.0	2714.8	2319.7	1956.7
110°	4190.9	4219.8	4335.8	4451.8	4335.8	4219.8	4190.9	3528.3	2644.9	2203.2	1875.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4131.4	4175.9	4354.0	4532.1	4354.0	4175.9	4131.4	3453.3	2549.2	2097.1	1805.3
115°	3929.8	3991.5	4238.6	4485.5	4238.6	3991.5	3929.8	3276.6	2405.6	1970.2	1724.4
117.5°	3651.4	3719.8	3993.8	4267.7	3993.8	3719.8	3651.4	3061.8	2275.8	1882.8	1673.8
120°	3463.8	3530.3	3796.5	4062.6	3796.5	3530.3	3463.8	2925.2	2206.9	1847.8	1656.7
122.5°	3276.2	3341.9	3604.4	3866.9	3604.4	3341.9	3276.2	2791.2	2144.4	1821.0	1647.9
125°	3028.0	3088.5	3330.4	3572.2	3330.4	3088.5	3028.0	2615.9	2066.6	1791.9	1640.4
127.5°	2828.8	2879.8	3083.9	3287.9	3083.9	2879.8	2828.8	2475.0	2003.2	1767.4	1636.2
130°	2703.0	2750.2	2938.6	3127.1	2938.6	2750.2	2703.0	2388.1	1968.0	1758.1	1638.7
132.5°	2595.8	2638.0	2806.8	2975.6	2806.8	2638.0	2595.8	2313.8	1937.9	1749.9	1640.5
135°	2444.4	2480.7	2626.2	2771.7	2626.2	2480.7	2444.4	2208.3	1893.4	1735.9	1638.9
137.5°	2332.5	2362.3	2481.4	2600.4	2481.4	2362.3	2332.5	2132.9	1866.8	1733.7	1649.0
140°	2242.8	2270.6	2382.0	2493.3	2382.0	2270.6	2242.8	2070.4	1840.4	1725.5	1650.7
142.5°	2179.9	2203.8	2299.6	2395.4	2299.6	2203.8	2179.9	2028.4	1826.4	1725.5	1656.6
145°	2085.5	2103.6	2176.1	2248.6	2176.1	2103.6	2085.5	1961.6	1796.4	1713.8	1656.6
147.5°	2006.2	2021.3	2081.3	2141.4	2081.3	2021.3	2006.2	1908.7	1778.8	1713.8	1668.0
150°	1960.8	1973.0	2021.7	2070.4	2021.7	1973.0	1960.8	1878.5	1768.7	1713.8	1673.9
152.5°	1924.7	1933.8	1970.6	2007.4	1970.6	1933.8	1924.7	1854.4	1760.7	1713.8	1677.8
155°	1881.6	1887.7	1912.1	1936.4	1912.1	1887.7	1881.6	1825.7	1751.1	1713.8	1686.3
157.5°	1844.4	1848.7	1865.7	1882.8	1865.7	1848.7	1844.4	1800.8	1742.8	1713.8	1694.9
160°	1825.7	1828.1	1838.0	1847.8	1838.0	1828.1	1825.7	1788.4	1738.6	1713.8	1698.8
162.5°	1808.2	1810.6	1819.8	1829.1	1819.8	1810.6	1808.2	1776.7	1734.8	1713.8	1703.0
165°	1781.4	1783.8	1793.7	1803.6	1793.7	1783.8	1781.4	1758.9	1728.8	1713.8	1708.8
167.5°	1769.7	1770.8	1775.0	1779.1	1775.0	1770.8	1769.7	1755.0	1735.3	1725.5	1721.4
170°	1769.7	1769.7	1769.7	1769.7	1769.7	1769.7	1769.7	1755.0	1735.3	1725.5	1725.2
172.5°	1760.4	1759.5	1755.9	1752.3	1755.9	1759.5	1760.4	1748.7	1733.2	1725.5	1725.5
175°	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1740.2	1730.4	1725.5	1727.8
177.5°	1745.3	1744.2	1740.0	1735.9	1740.0	1744.2	1745.3	1739.5	1731.7	1727.8	1729.6
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3300.0	3315.8	3325.3	3337.9	3369.5
5°	3173.5	3233.6	3252.6	3300.0	3356.9
7.5°	2895.4	3078.7	3129.3	3243.1	3331.6
10°	2626.7	2810.0	2898.6	3167.2	3300.0
12.5°	2490.8	2598.3	2658.4	3034.5	3255.7
15°	2405.4	2481.4	2525.5	2857.5	3205.2
17.5°	2339.1	2392.8	2424.4	2683.7	3135.6
20°	2298.0	2323.2	2351.7	2557.2	3056.6
22.5°	2269.5	2253.7	2275.9	2468.7	2949.1
25°	2250.6	2190.5	2215.8	2399.2	2822.7
27.5°	2266.4	2133.6	2143.1	2335.9	2689.9
30°	2269.5	2064.0	2067.2	2269.5	2541.4
32.5°	2247.4	1991.4	1994.6	2187.3	2373.9
35°	2193.7	1906.0	1902.8	2092.5	2146.2
37.5°	2120.9	1814.4	1814.4	1988.2	1896.6
40°	2032.5	1722.7	1732.2	1852.3	1675.3
42.5°	1925.0	1624.7	1637.4	1672.1	1510.9
45°	1808.0	1529.9	1539.3	1413.0	1384.5
47.5°	1678.5	1431.9	1435.1	1172.7	1343.4
50°	1523.5	1330.8	1318.1	1005.2	1340.2
52.5°	1387.6	1220.1	1182.2	910.4	1216.9
55°	1254.9	1103.1	1021.0	837.6	1128.5
57.5°	1137.9	951.5	872.4	752.3	1109.5
60°	1030.5	802.9	742.8	660.6	1017.8
62.5°	941.9	692.3	679.6	597.4	923.0
65°	847.1	616.3	613.2	543.7	783.9
67.5°	755.4	565.8	562.6	493.1	597.4
70°	657.4	512.1	505.8	439.4	442.5
72.5°	556.3	452.1	445.7	395.1	366.7
75°	455.1	382.5	379.3	344.6	297.1
77.5°	357.2	303.5	309.8	278.1	218.1
80°	256.0	221.3	227.6	199.1	164.4
82.5°	170.7	145.4	151.7	126.5	110.6
85°	94.8	82.2	85.4	66.4	50.5
87.5°	44.3	37.9	37.9	25.3	15.8
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.2	224.9	205.1	125.8	46.6
95°	777.8	438.0	401.8	256.8	111.9
97.5°	1047.9	481.2	449.3	321.3	193.4
100°	1146.1	517.3	488.3	372.3	256.3
102.5°	1191.1	553.4	526.3	418.2	309.9
105°	1224.5	607.0	584.1	492.4	400.8
107.5°	1230.7	686.2	664.8	579.5	494.0
110°	1221.4	730.5	711.2	634.1	556.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1221.8	784.1	765.7	692.2	618.7
115°	1233.1	864.5	847.5	779.7	711.9
117.5°	1255.9	942.6	927.2	865.5	803.9
120°	1274.6	988.0	973.5	915.5	857.5
122.5°	1301.4	1041.6	1026.9	968.5	909.9
125°	1337.5	1110.3	1097.0	1043.7	990.3
127.5°	1373.6	1176.7	1163.3	1109.4	1055.6
130°	1400.1	1221.0	1206.5	1148.5	1090.5
132.5°	1421.5	1257.2	1242.7	1184.7	1126.7
135°	1444.7	1299.1	1285.9	1233.1	1180.2
137.5°	1479.6	1352.6	1339.5	1287.3	1235.0
140°	1501.0	1388.8	1376.7	1328.6	1280.4
142.5°	1518.9	1415.6	1404.5	1359.9	1315.4
145°	1542.2	1456.4	1446.7	1407.8	1369.0
147.5°	1576.4	1507.7	1498.2	1460.4	1422.6
150°	1594.2	1534.4	1525.9	1491.7	1457.5
152.5°	1605.9	1551.9	1545.5	1519.5	1493.7
155°	1631.5	1590.3	1585.6	1566.4	1547.3
157.5°	1657.1	1628.8	1624.1	1605.5	1586.9
160°	1668.8	1646.3	1642.6	1628.1	1613.7
162.5°	1681.2	1664.9	1662.2	1651.3	1640.5
165°	1699.0	1691.7	1689.2	1679.3	1669.5
167.5°	1713.0	1706.9	1705.7	1701.0	1696.3
170°	1724.7	1724.4	1723.1	1718.5	1713.8
172.5°	1725.5	1725.5	1725.2	1724.2	1723.1
175°	1732.5	1735.9	1735.9	1735.9	1735.9
177.5°	1733.2	1735.9	1735.9	1735.9	1735.9
180°	1735.9	1735.9	1735.9	1735.9	1735.9



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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	14.51	14.71	15.53	16.89	16.54	17.34	17.55	18.36	19.72
	3H	14.17	14.89	15.19	15.92	17.30	17.88	18.60	18.90	19.63	21.01
	4H	14.36	15.04	15.39	16.08	17.47	18.32	19.01	19.36	20.04	21.43
	6H	14.48	15.11	15.52	16.14	17.54	18.61	19.24	19.65	20.27	21.68
	8H	14.48	15.08	15.53	16.13	17.52	18.68	19.28	19.73	20.33	21.73
	12H	14.45	15.01	15.50	16.06	17.48	18.72	19.29	19.77	20.34	21.76
4H	2H	14.73	15.41	15.77	16.44	17.83	16.94	17.62	17.98	18.66	20.04
	3H	15.75	16.32	16.80	17.38	18.78	18.44	19.01	19.49	20.07	21.47
	4H	16.02	16.54	17.08	17.60	19.02	18.97	19.49	20.02	20.54	21.97
	6H	16.14	16.59	17.21	17.67	19.09	19.33	19.78	20.40	20.86	22.28
	8H	16.15	16.57	17.21	17.64	19.07	19.44	19.86	20.51	20.93	22.36
	12H	16.11	16.49	17.20	17.57	19.01	19.50	19.87	20.58	20.96	22.40
8H	4H	16.47	16.89	17.54	17.96	19.39	19.09	19.51	20.15	20.58	22.01
	6H	16.73	17.08	17.82	18.19	19.62	19.53	19.87	20.61	20.98	22.41
	8H	16.77	17.08	17.87	18.17	19.62	19.68	19.98	20.77	21.07	22.53
	12H	16.76	17.02	17.86	18.11	19.60	19.78	20.04	20.87	21.13	22.62
12H	4H	16.48	16.86	17.56	17.94	19.38	19.05	19.43	20.13	20.51	21.95
	6H	16.79	17.10	17.89	18.19	19.64	19.52	19.83	20.62	20.92	22.37
	8H	16.86	17.12	17.96	18.21	19.70	19.68	19.95	20.78	21.04	22.53