

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: P936193

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936193
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-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

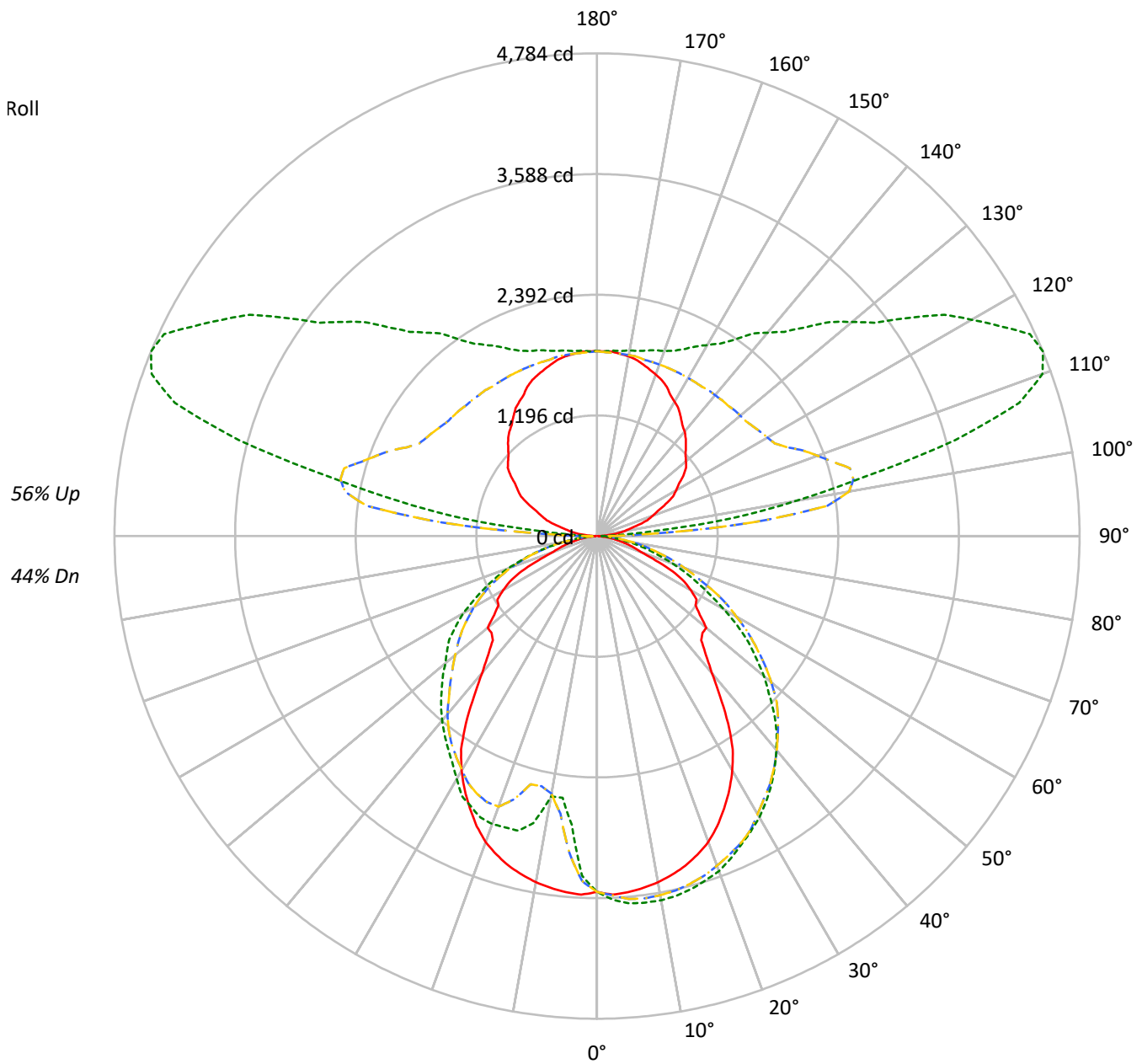
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21032.4 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 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°	16364	16364	16364	16364
5°	16487	16519	16487	12989
10°	16376	16272	16376	11634
15°	16199	15919	16199	13294
20°	15860	15502	15860	13321
25°	15166	14893	15166	13039
30°	14270	14387	14270	12419
35°	12721	13747	12721	11738
40°	10601	12994	10601	11223
45°	9471	12113	9471	10631
50°	10062	11062	10062	10037
55°	9467	9929	9467	9694
60°	9758	8433	9758	8879
65°	8847	6971	8847	7792
70°	6127	5555	6127	6532
75°	5371	4107	5371	4917
80°	4329	2715	4329	2957
85°	2483	1438	2483	1223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14516 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.4	1.5
10°-20°	904.0	4.3
20°-30°	1397.4	6.6
30°-40°	1668.2	7.9
40°-50°	1678.0	8.0
50°-60°	1460.0	6.9
60°-70°	1035.2	4.9
70°-80°	547.7	2.6
80°-90°	143.4	0.7
90°-100°	893.3	4.2
100°-110°	2348.6	11.2
110°-120°	2435.2	11.6
120°-130°	1953.3	9.3
130°-140°	1532.7	7.3
140°-150°	1176.4	5.6
150°-160°	847.2	4.0
160°-170°	518.4	2.5
170°-180°	175.1	0.8
0°-30°	2619.7	12.5
0°-40°	4287.9	20.4
0°-60°	7425.9	35.3
0°-90°	9152.1	43.5
90°-120°	5677.1	27.0
90°-150°	10339.5	49.2
90°-180°	11880.0	56.5
0°-180°	21032.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3527	3527	3527	3527	3527	
5°	3544	3654	3544	2873	3544	336
15°	3384	3620	3384	3023	3384	952
25°	2980	3377	2980	2956	2980	1368
35°	2266	3013	2266	2573	2266	1402
45°	1462	2483	1462	2179	1462	1171
55°	1191	1832	1191	1789	1191	1095
65°	828	1104	828	1235	828	791
75°	314	524	314	627	314	330
85°	53	134	53	114	53	72
90°	12	47	12	47	12	12
95°	118	540	118	540	118	131
105°	423	3678	423	3678	423	449
115°	752	4735	752	4735	752	742
125°	1046	3771	1046	3771	1046	928
135°	1246	2926	1246	2926	1246	964
145°	1445	2374	1445	2374	1445	905
155°	1633	2044	1633	2044	1633	751
165°	1762	1904	1762	1904	1762	497
175°	1833	1845	1833	1845	1833	174
180°	1833	1833	1833	1833	1833	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3557.1	3557.1	3577.1	3583.8	3583.8	3573.9	3563.8	3573.9	3603.8	3613.9	3610.5
5°	3543.8	3570.5	3607.2	3613.9	3620.5	3617.2	3610.5	3617.2	3650.6	3657.3	3660.6
7.5°	3517.1	3567.2	3613.9	3623.8	3633.9	3623.8	3620.5	3627.2	3660.6	3667.2	3667.2
10°	3483.7	3553.8	3607.2	3613.9	3623.8	3613.9	3613.9	3627.2	3660.6	3667.2	3670.6
12.5°	3437.0	3533.7	3583.8	3590.5	3603.8	3600.5	3597.2	3610.5	3643.9	3650.6	3650.6
15°	3383.7	3497.0	3543.8	3550.5	3573.9	3567.2	3567.2	3580.5	3617.2	3627.2	3623.8
17.5°	3310.2	3450.3	3503.8	3513.7	3530.5	3527.1	3530.5	3543.8	3577.1	3583.8	3587.2
20°	3226.8	3386.9	3450.3	3460.4	3477.0	3477.0	3477.0	3493.7	3527.1	3540.4	3540.4
22.5°	3113.3	3320.3	3386.9	3393.6	3413.6	3413.6	3420.3	3443.7	3473.7	3477.0	3477.0
25°	2979.9	3246.8	3303.5	3323.5	3343.5	3353.6	3363.6	3377.0	3386.9	3383.7	3386.9
27.5°	2839.7	3153.3	3226.8	3240.1	3266.8	3276.9	3290.2	3293.5	3296.9	3306.8	3300.1
30°	2682.9	3023.3	3133.3	3146.7	3190.1	3196.7	3183.4	3190.1	3206.8	3213.5	3220.1
32.5°	2506.0	2829.7	3036.6	3066.7	3106.7	3086.7	3083.3	3093.3	3120.0	3120.0	3126.7
35°	2265.7	2679.6	2946.5	2973.2	3003.2	2979.9	2993.2	2996.6	3013.2	3023.3	3019.9
37.5°	2002.2	2549.4	2853.1	2873.1	2896.5	2866.4	2886.4	2896.5	2909.8	2903.1	2903.1
40°	1768.6	2345.8	2743.0	2756.3	2776.3	2752.9	2772.9	2779.6	2786.3	2779.6	2776.3
42.5°	1595.1	2122.3	2626.1	2642.8	2629.5	2646.1	2652.8	2666.1	2656.2	2642.8	2642.8
45°	1461.5	2062.2	2499.3	2519.3	2499.3	2526.0	2536.1	2536.1	2506.0	2499.3	2496.0
47.5°	1418.2	1942.0	2372.5	2372.5	2362.6	2395.9	2412.5	2389.2	2359.2	2349.1	2349.1
50°	1414.8	1808.6	2199.0	2185.7	2232.4	2272.4	2255.8	2232.4	2209.0	2172.4	2172.4
52.5°	1284.7	1645.0	1975.5	2025.5	2098.9	2122.3	2095.5	2072.2	2032.1	2015.5	2002.2
55°	1191.3	1475.0	1771.9	1872.0	1948.7	1978.8	1928.7	1905.3	1845.3	1835.3	1828.6
57.5°	1171.3	1228.0	1585.0	1711.8	1805.3	1801.9	1771.9	1728.6	1678.5	1668.4	1665.2
60°	1074.4	887.6	1384.8	1535.0	1631.7	1621.8	1595.1	1555.0	1508.3	1501.6	1495.0
62.5°	974.4	644.1	1157.9	1328.0	1464.9	1461.5	1438.2	1378.1	1344.8	1328.0	1314.7
65°	827.5	540.6	824.2	1104.5	1301.4	1308.0	1258.0	1214.7	1177.9	1157.9	1154.6
67.5°	630.6	440.4	557.3	921.0	1144.5	1137.8	1074.4	1054.4	1007.8	997.7	977.7
70°	467.2	293.6	387.1	747.5	991.0	974.4	924.3	901.0	857.6	834.3	820.8
72.5°	387.1	236.9	283.7	580.7	834.3	814.2	770.9	744.1	707.5	687.4	674.0
75°	313.6	250.2	216.9	430.5	677.4	664.1	624.0	597.3	567.2	540.6	543.9
77.5°	230.2	233.6	173.5	317.0	537.3	517.3	493.9	460.5	447.2	420.4	420.4
80°	173.5	183.5	130.2	216.9	387.1	387.1	367.1	343.7	320.4	307.0	307.0
82.5°	116.7	116.7	96.7	136.9	263.7	253.6	240.3	233.6	220.3	213.6	213.6
85°	53.3	66.8	60.0	83.4	143.5	150.2	150.2	143.5	140.1	133.5	136.9
87.5°	16.7	30.1	36.7	46.7	73.5	76.7	80.1	80.1	80.1	83.4	83.4
90°	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3	46.7	46.7
92.5°	49.2	132.8	216.5	237.4	333.8	462.2	526.4	461.3	331.3	233.7	224.4
95°	118.1	271.2	424.2	462.4	821.1	1299.4	1538.7	1373.0	1041.8	793.3	765.1
97.5°	204.2	339.2	474.3	508.0	1106.2	1903.8	2302.5	2197.8	1988.5	1831.4	1777.9
100°	270.6	393.0	515.5	546.1	1209.9	2094.9	2537.4	2545.1	2560.3	2571.8	2508.0
102.5°	327.2	441.4	555.6	584.2	1257.4	2155.0	2603.8	2737.2	3003.9	3204.0	3149.4
105°	423.1	519.8	616.6	640.8	1292.6	2161.8	2596.4	2895.5	3493.5	3942.0	3912.6
107.5°	521.5	611.7	701.8	724.4	1299.3	2065.7	2448.8	2865.9	3700.2	4325.8	4332.9
110°	588.0	669.4	750.8	771.2	1289.4	1980.4	2325.9	2792.2	3724.7	4424.2	4454.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	653.1	730.7	808.3	827.7	1289.8	1905.8	2213.9	2691.1	3645.5	4361.4	4408.4
115°	751.5	823.1	894.7	912.6	1301.7	1820.5	2079.9	2539.5	3459.0	4148.6	4213.8
117.5°	848.7	913.7	978.8	995.1	1325.9	1767.0	1987.6	2402.5	3232.3	3854.7	3926.9
120°	905.2	966.5	1027.7	1043.0	1345.6	1749.0	1950.7	2329.8	3088.1	3656.7	3726.9
122.5°	960.6	1022.4	1084.1	1099.6	1373.9	1739.6	1922.4	2263.8	2946.6	3458.6	3527.9
125°	1045.5	1101.8	1158.1	1172.2	1412.0	1731.7	1891.6	2181.6	2761.6	3196.6	3260.4
127.5°	1114.4	1171.2	1228.1	1242.3	1450.1	1727.3	1865.8	2114.8	2612.8	2986.3	3040.1
130°	1151.3	1212.5	1273.7	1289.0	1478.0	1729.9	1855.9	2077.6	2521.0	2853.5	2903.3
132.5°	1189.4	1250.6	1311.9	1327.2	1500.6	1731.8	1847.4	2045.8	2442.6	2740.3	2784.9
135°	1245.9	1301.7	1357.5	1371.4	1525.1	1730.1	1832.6	1998.8	2331.2	2580.5	2618.8
137.5°	1303.8	1359.0	1414.1	1427.9	1562.0	1740.8	1830.2	1970.7	2251.6	2462.3	2493.8
140°	1351.7	1402.6	1453.4	1466.1	1584.6	1742.6	1821.5	1942.9	2185.7	2367.7	2397.1
142.5°	1388.6	1435.6	1482.6	1494.4	1603.4	1748.9	1821.5	1928.1	2141.3	2301.2	2326.5
145°	1445.2	1486.2	1527.2	1537.5	1628.1	1748.9	1809.2	1896.4	2070.8	2201.6	2220.8
147.5°	1501.8	1541.7	1581.6	1591.6	1664.2	1760.9	1809.2	1877.8	2015.0	2117.9	2133.8
150°	1538.7	1574.7	1610.8	1619.8	1682.9	1767.1	1809.2	1867.2	1983.0	2070.0	2082.8
152.5°	1576.8	1604.1	1631.5	1638.3	1695.3	1771.3	1809.2	1858.7	1957.6	2031.9	2041.5
155°	1633.4	1653.6	1673.8	1678.9	1722.3	1780.2	1809.2	1848.6	1927.3	1986.4	1992.8
157.5°	1675.2	1694.9	1714.6	1719.5	1749.4	1789.3	1809.2	1839.9	1901.1	1947.1	1951.6
160°	1703.5	1718.8	1734.1	1737.9	1761.7	1793.3	1809.2	1835.4	1888.0	1927.3	1929.9
162.5°	1731.8	1743.2	1754.8	1757.6	1774.8	1797.8	1809.2	1831.4	1875.7	1908.9	1911.4
165°	1762.5	1772.8	1783.3	1785.8	1793.6	1804.0	1809.2	1825.1	1856.8	1880.6	1883.2
167.5°	1790.8	1795.7	1800.6	1801.9	1808.4	1817.2	1821.5	1831.9	1852.7	1868.3	1869.4
170°	1809.2	1814.1	1819.1	1820.4	1820.7	1821.2	1821.5	1831.9	1852.7	1868.3	1868.3
172.5°	1819.1	1820.2	1821.2	1821.5	1821.5	1821.5	1821.5	1829.7	1846.1	1858.4	1857.4
175°	1832.6	1832.6	1832.6	1832.6	1828.9	1824.0	1821.5	1826.8	1837.1	1844.9	1844.9
177.5°	1832.6	1832.6	1832.6	1832.6	1829.7	1825.9	1824.0	1828.1	1836.3	1842.4	1841.4
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3617.2	3607.2	3617.2	3610.5	3613.9	3603.8	3573.9	3563.8	3573.9	3583.8	3583.8
5°	3660.6	3653.9	3660.6	3660.6	3657.3	3650.6	3617.2	3610.5	3617.2	3620.5	3613.9
7.5°	3673.9	3663.9	3673.9	3667.2	3667.2	3660.6	3627.2	3620.5	3623.8	3633.9	3623.8
10°	3673.9	3663.9	3673.9	3670.6	3667.2	3660.6	3627.2	3613.9	3613.9	3623.8	3613.9
12.5°	3657.3	3650.6	3657.3	3650.6	3650.6	3643.9	3610.5	3597.2	3600.5	3603.8	3590.5
15°	3630.6	3620.5	3630.6	3623.8	3627.2	3617.2	3580.5	3567.2	3567.2	3573.9	3550.5
17.5°	3590.5	3577.1	3590.5	3587.2	3583.8	3577.1	3543.8	3530.5	3527.1	3530.5	3513.7
20°	3543.8	3533.7	3543.8	3540.4	3540.4	3527.1	3493.7	3477.0	3477.0	3477.0	3460.4
22.5°	3470.3	3460.4	3470.3	3477.0	3477.0	3473.7	3443.7	3420.3	3413.6	3413.6	3393.6
25°	3386.9	3377.0	3386.9	3386.9	3383.7	3386.9	3377.0	3363.6	3353.6	3343.5	3323.5
27.5°	3306.8	3300.1	3306.8	3300.1	3306.8	3296.9	3293.5	3290.2	3276.9	3266.8	3240.1
30°	3226.8	3220.1	3226.8	3220.1	3213.5	3206.8	3190.1	3183.4	3196.7	3190.1	3146.7
32.5°	3126.7	3120.0	3126.7	3126.7	3120.0	3120.0	3093.3	3083.3	3086.7	3106.7	3066.7
35°	3023.3	3013.2	3023.3	3019.9	3023.3	3013.2	2996.6	2993.2	2979.9	3003.2	2973.2
37.5°	2903.1	2893.1	2903.1	2903.1	2903.1	2909.8	2896.5	2886.4	2866.4	2896.5	2873.1
40°	2779.6	2766.3	2779.6	2776.3	2779.6	2786.3	2779.6	2772.9	2752.9	2776.3	2756.3
42.5°	2639.5	2636.2	2639.5	2642.8	2642.8	2656.2	2666.1	2652.8	2646.1	2629.5	2642.8
45°	2489.4	2482.6	2489.4	2496.0	2499.3	2506.0	2536.1	2536.1	2526.0	2499.3	2519.3
47.5°	2329.1	2312.5	2329.1	2349.1	2349.1	2359.2	2389.2	2412.5	2395.9	2362.6	2372.5
50°	2158.9	2162.3	2158.9	2172.4	2172.4	2209.0	2232.4	2255.8	2272.4	2232.4	2185.7
52.5°	1992.1	1988.8	1992.1	2002.2	2015.5	2032.1	2072.2	2095.5	2122.3	2098.9	2025.5
55°	1825.3	1832.0	1825.3	1828.6	1835.3	1845.3	1905.3	1928.7	1978.8	1948.7	1872.0
57.5°	1658.5	1648.4	1658.5	1665.2	1668.4	1678.5	1728.6	1771.9	1801.9	1805.3	1711.8
60°	1464.9	1451.6	1464.9	1495.0	1501.6	1508.3	1555.0	1595.1	1621.8	1631.7	1535.0
62.5°	1294.7	1271.3	1294.7	1314.7	1328.0	1344.8	1378.1	1438.2	1461.5	1464.9	1328.0
65°	1114.5	1104.5	1114.5	1154.6	1157.9	1177.9	1214.7	1258.0	1308.0	1301.4	1104.5
67.5°	951.0	951.0	951.0	977.7	997.7	1007.8	1054.4	1074.4	1137.8	1144.5	921.0
70°	800.8	797.5	800.8	820.8	834.3	857.6	901.0	924.3	974.4	991.0	747.5
72.5°	657.4	654.0	657.4	674.0	687.4	707.5	744.1	770.9	814.2	834.3	580.7
75°	530.6	523.9	530.6	543.9	540.6	567.2	597.3	624.0	664.1	677.4	430.5
77.5°	407.1	407.1	407.1	420.4	420.4	447.2	460.5	493.9	517.3	537.3	317.0
80°	303.7	300.3	303.7	307.0	307.0	320.4	343.7	367.1	387.1	387.1	216.9
82.5°	213.6	206.9	213.6	213.6	213.6	220.3	233.6	240.3	253.6	263.7	136.9
85°	133.5	133.5	133.5	136.9	133.5	140.1	143.5	150.2	150.2	143.5	83.4
87.5°	86.8	83.4	86.8	83.4	83.4	80.1	80.1	80.1	76.7	73.5	46.7
90°	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4	54.1	34.4
92.5°	187.2	150.1	187.2	224.4	233.7	331.3	461.3	526.4	462.2	333.8	237.4
95°	652.5	539.9	652.5	765.1	793.3	1041.8	1373.0	1538.7	1299.4	821.1	462.4
97.5°	1563.5	1349.2	1563.5	1777.9	1831.4	1988.5	2197.8	2302.5	1903.8	1106.2	508.0
100°	2252.7	1997.4	2252.7	2508.0	2571.8	2560.3	2545.1	2537.4	2094.9	1209.9	546.1
102.5°	2930.7	2712.1	2930.7	3149.4	3204.0	3003.9	2737.2	2603.8	2155.0	1257.4	584.2
105°	3795.1	3677.6	3795.1	3912.6	3942.0	3493.5	2895.5	2596.4	2161.8	1292.6	640.8
107.5°	4361.3	4389.7	4361.3	4332.9	4325.8	3700.2	2865.9	2448.8	2065.7	1299.3	724.4
110°	4577.2	4699.7	4577.2	4454.7	4424.2	3724.7	2792.2	2325.9	1980.4	1289.4	771.2



TEST NUMBER: P936193

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4596.4	4784.5	4596.4	4408.4	4361.4	3645.5	2691.1	2213.9	1905.8	1289.8	827.7
115°	4474.6	4735.3	4474.6	4213.8	4148.6	3459.0	2539.5	2079.9	1820.5	1301.7	912.6
117.5°	4216.1	4505.3	4216.1	3926.9	3854.7	3232.3	2402.5	1987.6	1767.0	1325.9	995.1
120°	4007.9	4288.8	4007.9	3726.9	3656.7	3088.1	2329.8	1950.7	1749.0	1345.6	1043.0
122.5°	3805.1	4082.2	3805.1	3527.9	3458.6	2946.6	2263.8	1922.4	1739.6	1373.9	1099.6
125°	3515.8	3771.1	3515.8	3260.4	3196.6	2761.6	2181.6	1891.6	1731.7	1412.0	1172.2
127.5°	3255.6	3470.9	3255.6	3040.1	2986.3	2612.8	2114.8	1865.8	1727.3	1450.1	1242.3
130°	3102.3	3301.2	3102.3	2903.3	2853.5	2521.0	2077.6	1855.9	1729.9	1478.0	1289.0
132.5°	2963.0	3141.3	2963.0	2784.9	2740.3	2442.6	2045.8	1847.4	1731.8	1500.6	1327.2
135°	2772.4	2926.1	2772.4	2618.8	2580.5	2331.2	1998.8	1832.6	1730.1	1525.1	1371.4
137.5°	2619.5	2745.2	2619.5	2493.8	2462.3	2251.6	1970.7	1830.2	1740.8	1562.0	1427.9
140°	2514.6	2632.1	2514.6	2397.1	2367.7	2185.7	1942.9	1821.5	1742.6	1584.6	1466.1
142.5°	2427.6	2528.8	2427.6	2326.5	2301.2	2141.3	1928.1	1821.5	1748.9	1603.4	1494.4
145°	2297.3	2373.8	2297.3	2220.8	2201.6	2070.8	1896.4	1809.2	1748.9	1628.1	1537.5
147.5°	2197.2	2260.6	2197.2	2133.8	2117.9	2015.0	1877.8	1809.2	1760.9	1664.2	1591.6
150°	2134.3	2185.7	2134.3	2082.8	2070.0	1983.0	1867.2	1809.2	1767.1	1682.9	1619.8
152.5°	2080.4	2119.2	2080.4	2041.5	2031.9	1957.6	1858.7	1809.2	1771.3	1695.3	1638.3
155°	2018.5	2044.2	2018.5	1992.8	1986.4	1927.3	1848.6	1809.2	1780.2	1722.3	1678.9
157.5°	1969.5	1987.6	1969.5	1951.6	1947.1	1901.1	1839.9	1809.2	1789.3	1749.4	1719.5
160°	1940.3	1950.7	1940.3	1929.9	1927.3	1888.0	1835.4	1809.2	1793.3	1761.7	1737.9
162.5°	1921.1	1931.0	1921.1	1911.4	1908.9	1875.7	1831.4	1809.2	1797.8	1774.8	1757.6
165°	1893.6	1904.0	1893.6	1883.2	1880.6	1856.8	1825.1	1809.2	1804.0	1793.6	1785.8
167.5°	1873.8	1878.1	1873.8	1869.4	1868.3	1852.7	1831.9	1821.5	1817.2	1808.4	1801.9
170°	1868.3	1868.3	1868.3	1868.3	1868.3	1852.7	1831.9	1821.5	1821.2	1820.7	1820.4
172.5°	1853.7	1849.8	1853.7	1857.4	1858.4	1846.1	1829.7	1821.5	1821.5	1821.5	1821.5
175°	1844.9	1844.9	1844.9	1844.9	1844.9	1837.1	1826.8	1821.5	1824.0	1828.9	1832.6
177.5°	1836.9	1832.6	1836.9	1841.4	1842.4	1836.3	1828.1	1824.0	1825.9	1829.7	1832.6
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



TEST NUMBER: P936193

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3577.1	3557.1	3557.1	3523.8	3510.5	3500.4	3483.7	3433.6	3420.3	3406.9	3427.0
5°	3607.2	3570.5	3543.8	3483.7	3433.6	3413.6	3350.2	3230.1	3150.1	3089.9	3056.6
7.5°	3613.9	3567.2	3517.1	3423.7	3303.5	3250.2	3056.6	2836.3	2776.3	2722.9	2689.5
10°	3607.2	3553.8	3483.7	3343.5	3060.0	2966.5	2772.9	2629.5	2592.8	2582.7	2592.8
12.5°	3583.8	3533.7	3437.0	3203.4	2806.4	2743.0	2629.5	2546.0	2539.3	2556.1	2646.1
15°	3543.8	3497.0	3383.7	3016.6	2666.1	2619.5	2539.3	2509.4	2546.0	2662.9	2933.2
17.5°	3503.8	3450.3	3310.2	2833.1	2559.4	2526.0	2469.3	2529.4	2736.2	2893.1	2983.1
20°	3450.3	3386.9	3226.8	2699.6	2482.6	2452.6	2426.0	2696.2	2853.1	2909.8	2959.9
22.5°	3386.9	3320.3	3113.3	2606.1	2402.6	2379.2	2395.9	2789.7	2853.1	2893.1	2936.5
25°	3303.5	3246.8	2979.9	2532.7	2339.2	2312.5	2375.9	2779.6	2816.3	2826.4	2913.1
27.5°	3226.8	3153.3	2839.7	2466.0	2262.4	2252.4	2392.5	2736.2	2763.0	2772.9	2866.4
30°	3133.3	3023.3	2682.9	2395.9	2182.3	2179.0	2395.9	2682.9	2676.2	2702.9	2796.3
32.5°	3036.6	2829.7	2506.0	2309.1	2105.6	2102.3	2372.5	2602.7	2596.1	2632.8	2702.9
35°	2946.5	2679.6	2265.7	2209.0	2008.8	2012.1	2315.8	2509.4	2512.7	2546.0	2589.4
37.5°	2853.1	2549.4	2002.2	2098.9	1915.4	1915.4	2239.0	2422.6	2415.9	2426.0	2486.0
40°	2743.0	2345.8	1768.6	1955.4	1828.6	1818.6	2145.6	2329.1	2305.8	2302.5	2385.9
42.5°	2626.1	2122.3	1595.1	1765.2	1728.6	1715.1	2032.1	2215.7	2172.4	2182.3	2289.1
45°	2499.3	2062.2	1461.5	1491.6	1625.0	1615.1	1908.7	2085.6	2055.5	2082.2	2192.4
47.5°	2372.5	1942.0	1418.2	1238.0	1515.0	1511.6	1771.9	1958.8	1942.0	1968.7	2085.6
50°	2199.0	1808.6	1414.8	1061.1	1391.4	1404.9	1608.4	1835.3	1835.3	1858.6	1982.2
52.5°	1975.5	1645.0	1284.7	961.1	1248.0	1288.0	1464.9	1728.6	1735.2	1758.5	1868.7
55°	1771.9	1475.0	1191.3	884.2	1077.8	1164.6	1324.8	1618.4	1631.7	1655.1	1755.2
57.5°	1585.0	1228.0	1171.3	794.2	921.0	1004.4	1201.2	1511.6	1518.2	1538.4	1635.1
60°	1384.8	887.6	1074.4	697.4	784.2	847.6	1087.9	1384.8	1408.2	1421.5	1504.9
62.5°	1157.9	644.1	974.4	630.6	717.4	730.8	994.4	1264.6	1294.7	1304.8	1354.8
65°	824.2	540.6	827.5	574.0	647.3	650.7	894.3	1141.2	1167.9	1184.6	1221.3
67.5°	557.3	440.4	630.6	520.5	594.0	597.3	797.5	997.7	1034.4	1047.8	1071.2
70°	387.1	293.6	467.2	463.8	533.9	540.6	694.0	867.6	901.0	911.0	924.3
72.5°	283.7	236.9	387.1	417.1	470.5	477.2	587.3	720.8	754.1	764.2	770.9
75°	216.9	250.2	313.6	363.7	400.4	403.8	480.5	587.3	610.6	617.3	620.7
77.5°	173.5	233.6	230.2	293.6	327.1	320.4	377.0	453.9	473.9	473.9	473.9
80°	130.2	183.5	173.5	210.2	240.3	233.6	270.3	323.7	330.3	337.0	333.7
82.5°	96.7	116.7	116.7	133.5	160.1	153.5	180.2	210.2	210.2	210.2	216.9
85°	60.0	66.8	53.3	70.1	90.1	86.8	100.1	113.5	116.7	116.7	110.1
87.5°	36.7	30.1	16.7	26.7	40.0	40.0	46.7	50.1	46.7	46.7	46.7
90°	31.9	22.2	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3
92.5°	216.5	132.8	49.2	132.8	216.5	237.4	333.8	462.2	526.4	461.3	331.3
95°	424.2	271.2	118.1	271.2	424.2	462.4	821.1	1299.4	1538.7	1373.0	1041.8
97.5°	474.3	339.2	204.2	339.2	474.3	508.0	1106.2	1903.8	2302.5	2197.8	1988.5
100°	515.5	393.0	270.6	393.0	515.5	546.1	1209.9	2094.9	2537.4	2545.1	2560.3
102.5°	555.6	441.4	327.2	441.4	555.6	584.2	1257.4	2155.0	2603.8	2737.2	3003.9
105°	616.6	519.8	423.1	519.8	616.6	640.8	1292.6	2161.8	2596.4	2895.5	3493.5
107.5°	701.8	611.7	521.5	611.7	701.8	724.4	1299.3	2065.7	2448.8	2865.9	3700.2
110°	750.8	669.4	588.0	669.4	750.8	771.2	1289.4	1980.4	2325.9	2792.2	3724.7



TEST NUMBER: P936193

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	808.3	730.7	653.1	730.7	808.3	827.7	1289.8	1905.8	2213.9	2691.1	3645.5
115°	894.7	823.1	751.5	823.1	894.7	912.6	1301.7	1820.5	2079.9	2539.5	3459.0
117.5°	978.8	913.7	848.7	913.7	978.8	995.1	1325.9	1767.0	1987.6	2402.5	3232.3
120°	1027.7	966.5	905.2	966.5	1027.7	1043.0	1345.6	1749.0	1950.7	2329.8	3088.1
122.5°	1084.1	1022.4	960.6	1022.4	1084.1	1099.6	1373.9	1739.6	1922.4	2263.8	2946.6
125°	1158.1	1101.8	1045.5	1101.8	1158.1	1172.2	1412.0	1731.7	1891.6	2181.6	2761.6
127.5°	1228.1	1171.2	1114.4	1171.2	1228.1	1242.3	1450.1	1727.3	1865.8	2114.8	2612.8
130°	1273.7	1212.5	1151.3	1212.5	1273.7	1289.0	1478.0	1729.9	1855.9	2077.6	2521.0
132.5°	1311.9	1250.6	1189.4	1250.6	1311.9	1327.2	1500.6	1731.8	1847.4	2045.8	2442.6
135°	1357.5	1301.7	1245.9	1301.7	1357.5	1371.4	1525.1	1730.1	1832.6	1998.8	2331.2
137.5°	1414.1	1359.0	1303.8	1359.0	1414.1	1427.9	1562.0	1740.8	1830.2	1970.7	2251.6
140°	1453.4	1402.6	1351.7	1402.6	1453.4	1466.1	1584.6	1742.6	1821.5	1942.9	2185.7
142.5°	1482.6	1435.6	1388.6	1435.6	1482.6	1494.4	1603.4	1748.9	1821.5	1928.1	2141.3
145°	1527.2	1486.2	1445.2	1486.2	1527.2	1537.5	1628.1	1748.9	1809.2	1896.4	2070.8
147.5°	1581.6	1541.7	1501.8	1541.7	1581.6	1591.6	1664.2	1760.9	1809.2	1877.8	2015.0
150°	1610.8	1574.7	1538.7	1574.7	1610.8	1619.8	1682.9	1767.1	1809.2	1867.2	1983.0
152.5°	1631.5	1604.1	1576.8	1604.1	1631.5	1638.3	1695.3	1771.3	1809.2	1858.7	1957.6
155°	1673.8	1653.6	1633.4	1653.6	1673.8	1678.9	1722.3	1780.2	1809.2	1848.6	1927.3
157.5°	1714.6	1694.9	1675.2	1694.9	1714.6	1719.5	1749.4	1789.3	1809.2	1839.9	1901.1
160°	1734.1	1718.8	1703.5	1718.8	1734.1	1737.9	1761.7	1793.3	1809.2	1835.4	1888.0
162.5°	1754.8	1743.2	1731.8	1743.2	1754.8	1757.6	1774.8	1797.8	1809.2	1831.4	1875.7
165°	1783.3	1772.8	1762.5	1772.8	1783.3	1785.8	1793.6	1804.0	1809.2	1825.1	1856.8
167.5°	1800.6	1795.7	1790.8	1795.7	1800.6	1801.9	1808.4	1817.2	1821.5	1831.9	1852.7
170°	1819.1	1814.1	1809.2	1814.1	1819.1	1820.4	1820.7	1821.2	1821.5	1831.9	1852.7
172.5°	1821.2	1820.2	1819.1	1820.2	1821.2	1821.5	1821.5	1821.5	1821.5	1829.7	1846.1
175°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1828.9	1824.0	1821.5	1826.8	1837.1
177.5°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1829.7	1825.9	1824.0	1828.1	1836.3
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



TEST NUMBER: P936193

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3403.7	3393.6	3406.9	3370.2	3406.9	3393.6	3403.7	3427.0	3406.9	3420.3	3433.6
5°	2986.5	2969.8	2916.5	2873.1	2916.5	2969.8	2986.5	3056.6	3089.9	3150.1	3230.1
7.5°	2669.5	2656.2	2642.8	2616.2	2642.8	2656.2	2669.5	2689.5	2722.9	2776.3	2836.3
10°	2599.5	2602.7	2622.8	2619.5	2622.8	2602.7	2599.5	2592.8	2582.7	2592.8	2629.5
12.5°	2779.6	2809.7	2919.7	2913.1	2919.7	2809.7	2779.6	2646.1	2556.1	2539.3	2546.0
15°	2986.5	2996.6	3019.9	3023.3	3019.9	2996.6	2986.5	2933.2	2662.9	2546.0	2509.4
17.5°	3006.5	3009.9	3026.5	3026.5	3026.5	3009.9	3006.5	2983.1	2893.1	2736.2	2529.4
20°	2989.8	2996.6	3029.9	3036.6	3029.9	2996.6	2989.8	2959.9	2909.8	2853.1	2696.2
22.5°	2983.1	2996.6	3023.3	3019.9	3023.3	2996.6	2983.1	2936.5	2893.1	2853.1	2789.7
25°	2949.8	2949.8	2953.2	2956.5	2953.2	2949.8	2949.8	2913.1	2826.4	2816.3	2779.6
27.5°	2879.7	2886.4	2906.4	2903.1	2906.4	2886.4	2879.7	2866.4	2772.9	2763.0	2736.2
30°	2816.3	2809.7	2792.9	2779.6	2792.9	2809.7	2816.3	2796.3	2702.9	2676.2	2682.9
32.5°	2709.5	2692.9	2676.2	2666.1	2676.2	2692.9	2709.5	2702.9	2632.8	2596.1	2602.7
35°	2582.7	2586.1	2582.7	2572.8	2582.7	2586.1	2582.7	2589.4	2546.0	2512.7	2509.4
37.5°	2492.7	2499.3	2496.0	2482.6	2496.0	2499.3	2492.7	2486.0	2426.0	2415.9	2422.6
40°	2399.2	2402.6	2399.2	2389.2	2399.2	2402.6	2399.2	2385.9	2302.5	2305.8	2329.1
42.5°	2309.1	2305.8	2295.8	2289.1	2295.8	2305.8	2309.1	2289.1	2182.3	2172.4	2215.7
45°	2205.7	2209.0	2189.0	2179.0	2189.0	2209.0	2205.7	2192.4	2082.2	2055.5	2085.6
47.5°	2102.3	2102.3	2085.6	2075.5	2085.6	2102.3	2102.3	2085.6	1968.7	1942.0	1958.8
50°	1992.1	1988.8	1965.4	1962.1	1965.4	1988.8	1992.1	1982.2	1858.6	1835.3	1835.3
52.5°	1865.3	1865.3	1868.7	1875.4	1868.7	1865.3	1865.3	1868.7	1758.5	1735.2	1728.6
55°	1755.2	1758.5	1781.9	1788.6	1781.9	1758.5	1755.2	1755.2	1655.1	1631.7	1618.4
57.5°	1641.8	1641.8	1658.5	1658.5	1658.5	1641.8	1641.8	1635.1	1538.4	1518.2	1511.6
60°	1511.6	1518.2	1531.7	1528.3	1531.7	1518.2	1511.6	1504.9	1421.5	1408.2	1384.8
62.5°	1374.8	1381.5	1384.8	1378.1	1384.8	1381.5	1374.8	1354.8	1304.8	1294.7	1264.6
65°	1231.3	1238.0	1241.4	1234.7	1241.4	1238.0	1231.3	1221.3	1184.6	1167.9	1141.2
67.5°	1084.5	1081.1	1077.8	1091.2	1077.8	1081.1	1084.5	1071.2	1047.8	1034.4	997.7
70°	934.3	934.3	931.0	937.7	931.0	934.3	934.3	924.3	911.0	901.0	867.6
72.5°	774.2	770.9	784.2	774.2	784.2	770.9	774.2	770.9	764.2	754.1	720.8
75°	617.3	624.0	617.3	627.3	617.3	624.0	617.3	620.7	617.3	610.6	587.3
77.5°	470.5	477.2	470.5	470.5	470.5	477.2	470.5	473.9	473.9	473.9	453.9
80°	333.7	330.3	330.3	327.1	330.3	330.3	333.7	333.7	337.0	330.3	323.7
82.5°	213.6	210.2	210.2	216.9	210.2	210.2	213.6	216.9	210.2	210.2	210.2
85°	116.7	120.1	113.5	113.5	113.5	120.1	116.7	110.1	116.7	116.7	113.5
87.5°	43.4	40.0	40.0	40.0	40.0	40.0	43.4	46.7	46.7	46.7	50.1
90°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4
92.5°	233.7	224.4	187.2	150.1	187.2	224.4	233.7	331.3	461.3	526.4	462.2
95°	793.3	765.1	652.5	539.9	652.5	765.1	793.3	1041.8	1373.0	1538.7	1299.4
97.5°	1831.4	1777.9	1563.5	1349.2	1563.5	1777.9	1831.4	1988.5	2197.8	2302.5	1903.8
100°	2571.8	2508.0	2252.7	1997.4	2252.7	2508.0	2571.8	2560.3	2545.1	2537.4	2094.9
102.5°	3204.0	3149.4	2930.7	2712.1	2930.7	3149.4	3204.0	3003.9	2737.2	2603.8	2155.0
105°	3942.0	3912.6	3795.1	3677.6	3795.1	3912.6	3942.0	3493.5	2895.5	2596.4	2161.8
107.5°	4325.8	4332.9	4361.3	4389.7	4361.3	4332.9	4325.8	3700.2	2865.9	2448.8	2065.7
110°	4424.2	4454.7	4577.2	4699.7	4577.2	4454.7	4424.2	3724.7	2792.2	2325.9	1980.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4361.4	4408.4	4596.4	4784.5	4596.4	4408.4	4361.4	3645.5	2691.1	2213.9	1905.8
115°	4148.6	4213.8	4474.6	4735.3	4474.6	4213.8	4148.6	3459.0	2539.5	2079.9	1820.5
117.5°	3854.7	3926.9	4216.1	4505.3	4216.1	3926.9	3854.7	3232.3	2402.5	1987.6	1767.0
120°	3656.7	3726.9	4007.9	4288.8	4007.9	3726.9	3656.7	3088.1	2329.8	1950.7	1749.0
122.5°	3458.6	3527.9	3805.1	4082.2	3805.1	3527.9	3458.6	2946.6	2263.8	1922.4	1739.6
125°	3196.6	3260.4	3515.8	3771.1	3515.8	3260.4	3196.6	2761.6	2181.6	1891.6	1731.7
127.5°	2986.3	3040.1	3255.6	3470.9	3255.6	3040.1	2986.3	2612.8	2114.8	1865.8	1727.3
130°	2853.5	2903.3	3102.3	3301.2	3102.3	2903.3	2853.5	2521.0	2077.6	1855.9	1729.9
132.5°	2740.3	2784.9	2963.0	3141.3	2963.0	2784.9	2740.3	2442.6	2045.8	1847.4	1731.8
135°	2580.5	2618.8	2772.4	2926.1	2772.4	2618.8	2580.5	2331.2	1998.8	1832.6	1730.1
137.5°	2462.3	2493.8	2619.5	2745.2	2619.5	2493.8	2462.3	2251.6	1970.7	1830.2	1740.8
140°	2367.7	2397.1	2514.6	2632.1	2514.6	2397.1	2367.7	2185.7	1942.9	1821.5	1742.6
142.5°	2301.2	2326.5	2427.6	2528.8	2427.6	2326.5	2301.2	2141.3	1928.1	1821.5	1748.9
145°	2201.6	2220.8	2297.3	2373.8	2297.3	2220.8	2201.6	2070.8	1896.4	1809.2	1748.9
147.5°	2117.9	2133.8	2197.2	2260.6	2197.2	2133.8	2117.9	2015.0	1877.8	1809.2	1760.9
150°	2070.0	2082.8	2134.3	2185.7	2134.3	2082.8	2070.0	1983.0	1867.2	1809.2	1767.1
152.5°	2031.9	2041.5	2080.4	2119.2	2080.4	2041.5	2031.9	1957.6	1858.7	1809.2	1771.3
155°	1986.4	1992.8	2018.5	2044.2	2018.5	1992.8	1986.4	1927.3	1848.6	1809.2	1780.2
157.5°	1947.1	1951.6	1969.5	1987.6	1969.5	1951.6	1947.1	1901.1	1839.9	1809.2	1789.3
160°	1927.3	1929.9	1940.3	1950.7	1940.3	1929.9	1927.3	1888.0	1835.4	1809.2	1793.3
162.5°	1908.9	1911.4	1921.1	1931.0	1921.1	1911.4	1908.9	1875.7	1831.4	1809.2	1797.8
165°	1880.6	1883.2	1893.6	1904.0	1893.6	1883.2	1880.6	1856.8	1825.1	1809.2	1804.0
167.5°	1868.3	1869.4	1873.8	1878.1	1873.8	1869.4	1868.3	1852.7	1831.9	1821.5	1817.2
170°	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1852.7	1831.9	1821.5	1821.2
172.5°	1858.4	1857.4	1853.7	1849.8	1853.7	1857.4	1858.4	1846.1	1829.7	1821.5	1821.5
175°	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1837.1	1826.8	1821.5	1824.0
177.5°	1842.4	1841.4	1836.9	1832.6	1836.9	1841.4	1842.4	1836.3	1828.1	1824.0	1825.9
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3483.7	3500.4	3510.5	3523.8	3557.1
5°	3350.2	3413.6	3433.6	3483.7	3543.8
7.5°	3056.6	3250.2	3303.5	3423.7	3517.1
10°	2772.9	2966.5	3060.0	3343.5	3483.7
12.5°	2629.5	2743.0	2806.4	3203.4	3437.0
15°	2539.3	2619.5	2666.1	3016.6	3383.7
17.5°	2469.3	2526.0	2559.4	2833.1	3310.2
20°	2426.0	2452.6	2482.6	2699.6	3226.8
22.5°	2395.9	2379.2	2402.6	2606.1	3113.3
25°	2375.9	2312.5	2339.2	2532.7	2979.9
27.5°	2392.5	2252.4	2262.4	2466.0	2839.7
30°	2395.9	2179.0	2182.3	2395.9	2682.9
32.5°	2372.5	2102.3	2105.6	2309.1	2506.0
35°	2315.8	2012.1	2008.8	2209.0	2265.7
37.5°	2239.0	1915.4	1915.4	2098.9	2002.2
40°	2145.6	1818.6	1828.6	1955.4	1768.6
42.5°	2032.1	1715.1	1728.6	1765.2	1595.1
45°	1908.7	1615.1	1625.0	1491.6	1461.5
47.5°	1771.9	1511.6	1515.0	1238.0	1418.2
50°	1608.4	1404.9	1391.4	1061.1	1414.8
52.5°	1464.9	1288.0	1248.0	961.1	1284.7
55°	1324.8	1164.6	1077.8	884.2	1191.3
57.5°	1201.2	1004.4	921.0	794.2	1171.3
60°	1087.9	847.6	784.2	697.4	1074.4
62.5°	994.4	730.8	717.4	630.6	974.4
65°	894.3	650.7	647.3	574.0	827.5
67.5°	797.5	597.3	594.0	520.5	630.6
70°	694.0	540.6	533.9	463.8	467.2
72.5°	587.3	477.2	470.5	417.1	387.1
75°	480.5	403.8	400.4	363.7	313.6
77.5°	377.0	320.4	327.1	293.6	230.2
80°	270.3	233.6	240.3	210.2	173.5
82.5°	180.2	153.5	160.1	133.5	116.7
85°	100.1	86.8	90.1	70.1	53.3
87.5°	46.7	40.0	40.0	26.7	16.7
90°	54.1	34.4	31.9	22.2	12.3
92.5°	333.8	237.4	216.5	132.8	49.2
95°	821.1	462.4	424.2	271.2	118.1
97.5°	1106.2	508.0	474.3	339.2	204.2
100°	1209.9	546.1	515.5	393.0	270.6
102.5°	1257.4	584.2	555.6	441.4	327.2
105°	1292.6	640.8	616.6	519.8	423.1
107.5°	1299.3	724.4	701.8	611.7	521.5
110°	1289.4	771.2	750.8	669.4	588.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1289.8	827.7	808.3	730.7	653.1
115°	1301.7	912.6	894.7	823.1	751.5
117.5°	1325.9	995.1	978.8	913.7	848.7
120°	1345.6	1043.0	1027.7	966.5	905.2
122.5°	1373.9	1099.6	1084.1	1022.4	960.6
125°	1412.0	1172.2	1158.1	1101.8	1045.5
127.5°	1450.1	1242.3	1228.1	1171.2	1114.4
130°	1478.0	1289.0	1273.7	1212.5	1151.3
132.5°	1500.6	1327.2	1311.9	1250.6	1189.4
135°	1525.1	1371.4	1357.5	1301.7	1245.9
137.5°	1562.0	1427.9	1414.1	1359.0	1303.8
140°	1584.6	1466.1	1453.4	1402.6	1351.7
142.5°	1603.4	1494.4	1482.6	1435.6	1388.6
145°	1628.1	1537.5	1527.2	1486.2	1445.2
147.5°	1664.2	1591.6	1581.6	1541.7	1501.8
150°	1682.9	1619.8	1610.8	1574.7	1538.7
152.5°	1695.3	1638.3	1631.5	1604.1	1576.8
155°	1722.3	1678.9	1673.8	1653.6	1633.4
157.5°	1749.4	1719.5	1714.6	1694.9	1675.2
160°	1761.7	1737.9	1734.1	1718.8	1703.5
162.5°	1774.8	1757.6	1754.8	1743.2	1731.8
165°	1793.6	1785.8	1783.3	1772.8	1762.5
167.5°	1808.4	1801.9	1800.6	1795.7	1790.8
170°	1820.7	1820.4	1819.1	1814.1	1809.2
172.5°	1821.5	1821.5	1821.2	1820.2	1819.1
175°	1828.9	1832.6	1832.6	1832.6	1832.6
177.5°	1829.7	1832.6	1832.6	1832.6	1832.6
180°	1832.6	1832.6	1832.6	1832.6	1832.6

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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	13.89	14.69	14.90	15.71	17.08	16.73	17.53	17.74	18.55	19.91
	3H	14.36	15.08	15.38	16.11	17.49	18.07	18.79	19.09	19.82	21.20
	4H	14.55	15.23	15.58	16.26	17.65	18.51	19.20	19.55	20.23	21.62
	6H	14.66	15.29	15.71	16.33	17.73	18.80	19.43	19.84	20.46	21.86
	8H	14.66	15.26	15.71	16.32	17.71	18.87	19.47	19.92	20.52	21.92
	12H	14.63	15.20	15.69	16.25	17.67	18.91	19.48	19.96	20.52	21.95
4H	2H	14.92	15.60	15.96	16.63	18.02	17.13	17.81	18.17	18.84	20.23
	3H	15.94	16.51	16.99	17.57	18.97	18.63	19.20	19.68	20.26	21.66
	4H	16.21	16.73	17.27	17.78	19.21	19.16	19.68	20.21	20.73	22.16
	6H	16.33	16.78	17.40	17.86	19.28	19.52	19.97	20.59	21.05	22.46
	8H	16.34	16.76	17.40	17.82	19.26	19.63	20.05	20.69	21.11	22.55
	12H	16.30	16.68	17.38	17.76	19.20	19.68	20.06	20.77	21.14	22.58
8H	4H	16.66	17.08	17.73	18.15	19.58	19.28	19.70	20.34	20.76	22.20
	6H	16.92	17.27	18.01	18.38	19.81	19.71	20.06	20.80	21.17	22.60
	8H	16.96	17.27	18.06	18.36	19.81	19.87	20.17	20.96	21.26	22.71
	12H	16.94	17.21	18.04	18.30	19.79	19.96	20.23	21.06	21.32	22.81
12H	4H	16.67	17.04	17.75	18.13	19.57	19.24	19.62	20.32	20.70	22.14
	6H	16.98	17.29	18.08	18.38	19.83	19.71	20.01	20.81	21.11	22.56
	8H	17.05	17.31	18.14	18.40	19.89	19.87	20.14	20.97	21.23	22.72