

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: P936046

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936046
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

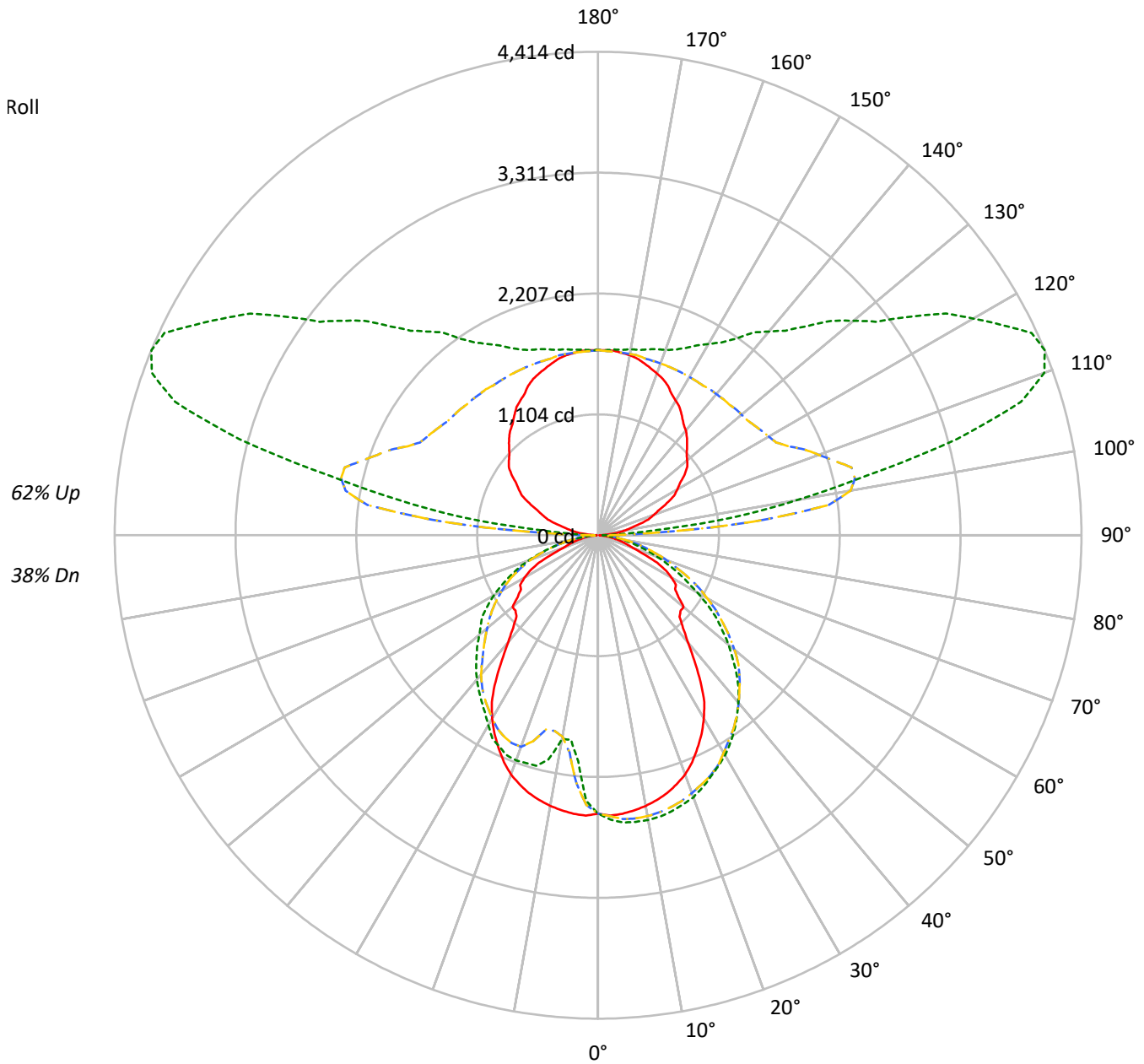
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17554.2 lumens
Efficiency: N/A
Efficacy: 121.2 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: Semi-Indirect

Input Watts (W): 144.8
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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11788	11788	11788	11788
5°	11876	11899	11876	9357
10°	11796	11721	11796	8380
15°	11668	11467	11668	9576
20°	11424	11167	11424	9596
25°	10925	10728	10925	9392
30°	10279	10364	10279	8946
35°	9164	9903	9164	8455
40°	7635	9361	7635	8084
45°	6823	8725	6823	7658
50°	7249	7968	7249	7231
55°	6820	7152	6820	6983
60°	7030	6074	7030	6396
65°	6373	5022	6373	5613
70°	4413	4002	4413	4705
75°	3871	2958	3871	3542
80°	3119	1955	3119	2130
85°	1793	1035	1793	880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	1.3
10°-20°	651.2	3.7
20°-30°	1006.6	5.7
30°-40°	1201.6	6.8
40°-50°	1208.7	6.9
50°-60°	1051.7	6.0
60°-70°	745.7	4.2
70°-80°	394.5	2.2
80°-90°	104.7	0.6
90°-100°	824.1	4.7
100°-110°	2166.7	12.3
110°-120°	2246.6	12.8
120°-130°	1802.1	10.3
130°-140°	1414.0	8.1
140°-150°	1085.3	6.2
150°-160°	781.6	4.5
160°-170°	478.2	2.7
170°-180°	161.6	0.9
0°-30°	1887.1	10.8
0°-40°	3088.7	17.6
0°-60°	5349.2	30.5
0°-90°	6594.0	37.6
90°-120°	5237.4	29.8
90°-150°	9538.8	54.3
90°-180°	10960.0	62.4
0°-180°	17554.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2541	2541	2541	2541	2541	
5°	2553	2632	2553	2070	2553	242
15°	2437	2608	2437	2178	2437	686
25°	2146	2433	2146	2130	2146	986
35°	1632	2171	1632	1853	1632	1010
45°	1053	1788	1053	1570	1053	843
55°	858	1320	858	1288	858	789
65°	596	796	596	889	596	570
75°	226	377	226	452	226	238
85°	38	96	38	82	38	52
90°	11	43	11	43	11	11
95°	109	498	109	498	109	121
105°	390	3393	390	3393	390	414
115°	693	4368	693	4368	693	685
125°	964	3479	964	3479	964	856
135°	1149	2699	1149	2699	1149	889
145°	1333	2190	1333	2190	1333	835
155°	1507	1886	1507	1886	1507	692
165°	1626	1756	1626	1756	1626	459
175°	1691	1702	1691	1702	1691	160
180°	1691	1691	1691	1691	1691	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2562.4	2562.4	2576.7	2581.5	2581.5	2574.4	2567.2	2574.4	2596.0	2603.2	2600.8
5°	2552.7	2571.9	2598.4	2603.2	2608.0	2605.6	2600.8	2605.6	2629.7	2634.5	2636.9
7.5°	2533.5	2569.5	2603.2	2610.4	2617.7	2610.4	2608.0	2612.8	2636.9	2641.7	2641.7
10°	2509.4	2559.9	2598.4	2603.2	2610.4	2603.2	2603.2	2612.8	2636.9	2641.7	2644.0
12.5°	2475.8	2545.5	2581.5	2586.4	2596.0	2593.6	2591.2	2600.8	2624.8	2629.7	2629.7
15°	2437.4	2519.1	2552.7	2557.5	2574.4	2569.5	2569.5	2579.2	2605.6	2612.8	2610.4
17.5°	2384.4	2485.4	2523.9	2531.1	2543.1	2540.7	2543.1	2552.7	2576.7	2581.5	2584.0
20°	2324.4	2439.7	2485.4	2492.6	2504.7	2504.7	2504.7	2516.7	2540.7	2550.3	2550.3
22.5°	2242.6	2391.7	2439.7	2444.6	2458.9	2458.9	2463.8	2480.6	2502.2	2504.7	2504.7
25°	2146.5	2338.8	2379.6	2394.1	2408.5	2415.7	2422.9	2432.6	2439.7	2437.4	2439.7
27.5°	2045.5	2271.5	2324.4	2333.9	2353.2	2360.4	2370.1	2372.4	2374.9	2382.1	2377.2
30°	1932.5	2177.8	2257.1	2266.7	2297.9	2302.7	2293.1	2297.9	2309.9	2314.8	2319.6
32.5°	1805.2	2038.3	2187.4	2209.0	2237.8	2223.4	2221.0	2228.2	2247.4	2247.4	2252.3
35°	1632.1	1930.2	2122.5	2141.6	2163.3	2146.5	2156.1	2158.5	2170.6	2177.8	2175.3
37.5°	1442.2	1836.4	2055.1	2069.6	2086.4	2064.8	2079.2	2086.4	2096.0	2091.3	2091.3
40°	1273.9	1689.8	1975.8	1985.5	1999.8	1983.0	1997.5	2002.3	2007.1	2002.3	1999.8
42.5°	1149.0	1528.7	1891.7	1903.7	1894.1	1906.1	1911.0	1920.5	1913.3	1903.7	1903.7
45°	1052.8	1485.4	1800.4	1814.8	1800.4	1819.6	1826.8	1826.8	1805.2	1800.4	1798.0
47.5°	1021.6	1398.9	1709.0	1709.0	1701.8	1725.9	1737.9	1721.0	1699.4	1692.2	1692.2
50°	1019.2	1302.8	1584.0	1574.4	1608.1	1636.9	1624.9	1608.1	1591.2	1564.8	1564.8
52.5°	925.5	1185.0	1422.9	1459.1	1511.9	1528.7	1509.5	1492.7	1463.9	1451.9	1442.2
55°	858.2	1062.5	1276.4	1348.4	1403.8	1425.4	1389.3	1372.6	1329.3	1322.1	1317.2
57.5°	843.7	884.5	1141.8	1233.1	1300.4	1298.0	1276.4	1245.1	1209.1	1201.8	1199.4
60°	774.0	639.4	997.5	1105.7	1175.4	1168.2	1149.0	1120.1	1086.5	1081.6	1076.8
62.5°	701.9	463.9	834.0	956.7	1055.2	1052.8	1036.0	992.7	968.7	956.7	947.0
65°	596.1	389.4	593.7	795.7	937.5	942.2	906.2	875.0	848.5	834.0	831.7
67.5°	454.3	317.3	401.4	663.4	824.5	819.7	774.0	759.5	725.9	718.7	704.2
70°	336.5	211.5	278.8	538.4	713.9	701.9	665.9	649.0	617.7	600.9	591.3
72.5°	278.8	170.6	204.3	418.3	600.9	586.5	555.2	536.0	509.6	495.1	485.6
75°	226.0	180.3	156.3	310.1	487.9	478.4	449.5	430.3	408.6	389.4	391.8
77.5°	165.8	168.3	125.0	228.3	387.0	372.6	355.8	331.7	322.1	302.9	302.9
80°	125.0	132.2	93.8	156.3	278.8	278.8	264.4	247.6	230.8	221.1	221.1
82.5°	84.1	84.1	69.7	98.5	189.9	182.7	173.1	168.3	158.6	153.8	153.8
85°	38.5	48.0	43.3	60.1	103.3	108.2	108.2	103.3	101.0	96.1	98.5
87.5°	12.0	21.6	26.5	33.7	52.8	55.3	57.7	57.7	57.7	60.1	60.1
90°	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5	43.1	43.1
92.5°	45.4	122.5	199.8	219.0	307.9	426.4	485.7	425.6	305.6	215.6	207.0
95°	109.0	250.2	391.3	426.6	757.5	1198.8	1419.5	1266.7	961.1	731.9	705.9
97.5°	188.4	312.9	437.5	468.6	1020.5	1756.3	2124.2	2027.6	1834.5	1689.6	1640.2
100°	249.6	362.6	475.6	503.8	1116.2	1932.6	2340.9	2348.0	2362.1	2372.6	2313.8
102.5°	301.8	407.2	512.6	539.0	1160.1	1988.1	2402.2	2525.2	2771.3	2955.9	2905.5
105°	390.3	479.6	568.9	591.2	1192.5	1994.4	2395.3	2671.2	3222.9	3636.7	3609.6
107.5°	481.1	564.3	647.5	668.3	1198.6	1905.7	2259.2	2644.0	3413.6	3990.8	3997.3
110°	542.4	617.6	692.7	711.4	1189.5	1827.0	2145.7	2575.9	3436.2	4081.5	4109.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	602.5	674.1	745.7	763.6	1189.9	1758.2	2042.4	2482.7	3363.2	4023.6	4067.0
115°	693.3	759.4	825.4	842.0	1200.9	1679.5	1918.8	2342.9	3191.1	3827.3	3887.4
117.5°	782.9	843.0	903.0	918.0	1223.2	1630.2	1833.6	2216.4	2982.0	3556.1	3622.8
120°	835.1	891.6	948.1	962.2	1241.4	1613.5	1799.6	2149.4	2848.9	3373.5	3438.2
122.5°	886.2	943.2	1000.1	1014.4	1267.5	1604.9	1773.5	2088.4	2718.4	3190.7	3254.7
125°	964.5	1016.4	1068.4	1081.4	1302.6	1597.6	1745.1	2012.7	2547.7	2949.0	3007.9
127.5°	1028.1	1080.5	1133.0	1146.1	1337.8	1593.5	1721.3	1951.0	2410.4	2755.0	2804.7
130°	1062.1	1118.6	1175.1	1189.2	1363.5	1596.0	1712.2	1916.7	2325.8	2632.5	2678.4
132.5°	1097.3	1153.8	1210.3	1224.4	1384.4	1597.7	1704.3	1887.3	2253.4	2528.1	2569.2
135°	1149.4	1200.9	1252.4	1265.2	1407.0	1596.1	1690.7	1844.0	2150.7	2380.6	2416.0
137.5°	1202.8	1253.8	1304.6	1317.3	1441.0	1606.0	1688.5	1818.1	2077.2	2271.6	2300.7
140°	1247.0	1294.0	1340.8	1352.5	1461.9	1607.6	1680.5	1792.4	2016.4	2184.3	2211.4
142.5°	1281.0	1324.4	1367.8	1378.6	1479.3	1613.4	1680.5	1778.8	1975.5	2123.0	2146.3
145°	1333.3	1371.1	1408.9	1418.4	1502.0	1613.4	1669.1	1749.5	1910.4	2031.1	2048.8
147.5°	1385.5	1422.3	1459.1	1468.3	1535.3	1624.5	1669.1	1732.4	1858.9	1953.9	1968.5
150°	1419.5	1452.8	1486.1	1494.4	1552.6	1630.3	1669.1	1722.6	1829.5	1909.7	1921.5
152.5°	1454.7	1479.9	1505.2	1511.5	1564.0	1634.1	1669.1	1714.8	1806.0	1874.5	1883.4
155°	1506.9	1525.6	1544.2	1548.8	1589.0	1642.3	1669.1	1705.4	1778.1	1832.6	1838.5
157.5°	1545.5	1563.7	1581.8	1586.3	1613.9	1650.7	1669.1	1697.4	1753.9	1796.3	1800.4
160°	1571.6	1585.7	1599.8	1603.3	1625.2	1654.4	1669.1	1693.3	1741.8	1778.1	1780.4
162.5°	1597.7	1608.2	1618.9	1621.5	1637.3	1658.5	1669.1	1689.6	1730.4	1761.1	1763.3
165°	1626.0	1635.5	1645.2	1647.5	1654.7	1664.3	1669.1	1683.7	1713.0	1735.0	1737.3
167.5°	1652.1	1656.6	1661.2	1662.4	1668.4	1676.5	1680.5	1690.0	1709.2	1723.6	1724.6
170°	1669.1	1673.6	1678.2	1679.4	1679.7	1680.2	1680.5	1690.0	1709.2	1723.6	1723.6
172.5°	1678.2	1679.2	1680.2	1680.5	1680.5	1680.5	1680.5	1688.0	1703.1	1714.5	1713.6
175°	1690.7	1690.7	1690.7	1690.7	1687.3	1682.7	1680.5	1685.3	1694.8	1702.0	1702.0
177.5°	1690.7	1690.7	1690.7	1690.7	1688.0	1684.5	1682.7	1686.6	1694.1	1699.7	1698.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2605.6	2598.4	2605.6	2600.8	2603.2	2596.0	2574.4	2567.2	2574.4	2581.5	2581.5
5°	2636.9	2632.0	2636.9	2636.9	2634.5	2629.7	2605.6	2600.8	2605.6	2608.0	2603.2
7.5°	2646.5	2639.2	2646.5	2641.7	2641.7	2636.9	2612.8	2608.0	2610.4	2617.7	2610.4
10°	2646.5	2639.2	2646.5	2644.0	2641.7	2636.9	2612.8	2603.2	2603.2	2610.4	2603.2
12.5°	2634.5	2629.7	2634.5	2629.7	2629.7	2624.8	2600.8	2591.2	2593.6	2596.0	2586.4
15°	2615.2	2608.0	2615.2	2610.4	2612.8	2605.6	2579.2	2569.5	2569.5	2574.4	2557.5
17.5°	2586.4	2576.7	2586.4	2584.0	2581.5	2576.7	2552.7	2543.1	2540.7	2543.1	2531.1
20°	2552.7	2545.5	2552.7	2550.3	2550.3	2540.7	2516.7	2504.7	2504.7	2504.7	2492.6
22.5°	2499.9	2492.6	2499.9	2504.7	2504.7	2502.2	2480.6	2463.8	2458.9	2458.9	2444.6
25°	2439.7	2432.6	2439.7	2439.7	2437.4	2439.7	2432.6	2422.9	2415.7	2408.5	2394.1
27.5°	2382.1	2377.2	2382.1	2377.2	2382.1	2374.9	2372.4	2370.1	2360.4	2353.2	2333.9
30°	2324.4	2319.6	2324.4	2319.6	2314.8	2309.9	2297.9	2293.1	2302.7	2297.9	2266.7
32.5°	2252.3	2247.4	2252.3	2252.3	2247.4	2247.4	2228.2	2221.0	2223.4	2237.8	2209.0
35°	2177.8	2170.6	2177.8	2175.3	2177.8	2170.6	2158.5	2156.1	2146.5	2163.3	2141.6
37.5°	2091.3	2084.0	2091.3	2091.3	2091.3	2096.0	2086.4	2079.2	2064.8	2086.4	2069.6
40°	2002.3	1992.7	2002.3	1999.8	2002.3	2007.1	2002.3	1997.5	1983.0	1999.8	1985.5
42.5°	1901.3	1899.0	1901.3	1903.7	1903.7	1913.3	1920.5	1911.0	1906.1	1894.1	1903.7
45°	1793.2	1788.3	1793.2	1798.0	1800.4	1805.2	1826.8	1826.8	1819.6	1800.4	1814.8
47.5°	1677.7	1665.7	1677.7	1692.2	1692.2	1699.4	1721.0	1737.9	1725.9	1701.8	1709.0
50°	1555.2	1557.6	1555.2	1564.8	1564.8	1591.2	1608.1	1624.9	1636.9	1608.1	1574.4
52.5°	1435.0	1432.6	1435.0	1442.2	1451.9	1463.9	1492.7	1509.5	1528.7	1511.9	1459.1
55°	1314.8	1319.6	1314.8	1317.2	1322.1	1329.3	1372.6	1389.3	1425.4	1403.8	1348.4
57.5°	1194.6	1187.4	1194.6	1199.4	1201.8	1209.1	1245.1	1276.4	1298.0	1300.4	1233.1
60°	1055.2	1045.6	1055.2	1076.8	1081.6	1086.5	1120.1	1149.0	1168.2	1175.4	1105.7
62.5°	932.7	915.8	932.7	947.0	956.7	968.7	992.7	1036.0	1052.8	1055.2	956.7
65°	802.8	795.7	802.8	831.7	834.0	848.5	875.0	906.2	942.2	937.5	795.7
67.5°	685.0	685.0	685.0	704.2	718.7	725.9	759.5	774.0	819.7	824.5	663.4
70°	576.9	574.5	576.9	591.3	600.9	617.7	649.0	665.9	701.9	713.9	538.4
72.5°	473.6	471.1	473.6	485.6	495.1	509.6	536.0	555.2	586.5	600.9	418.3
75°	382.2	377.4	382.2	391.8	389.4	408.6	430.3	449.5	478.4	487.9	310.1
77.5°	293.3	293.3	293.3	302.9	302.9	322.1	331.7	355.8	372.6	387.0	228.3
80°	218.8	216.3	218.8	221.1	221.1	230.8	247.6	264.4	278.8	278.8	156.3
82.5°	153.8	149.0	153.8	153.8	153.8	158.6	168.3	173.1	182.7	189.9	98.5
85°	96.1	96.1	96.1	98.5	96.1	101.0	103.3	108.2	108.2	103.3	60.1
87.5°	62.5	60.1	62.5	60.1	60.1	57.7	57.7	57.7	55.3	52.8	33.7
90°	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1	49.9	31.7
92.5°	172.7	138.4	172.7	207.0	215.6	305.6	425.6	485.7	426.4	307.9	219.0
95°	602.0	498.1	602.0	705.9	731.9	961.1	1266.7	1419.5	1198.8	757.5	426.6
97.5°	1442.4	1244.7	1442.4	1640.2	1689.6	1834.5	2027.6	2124.2	1756.3	1020.5	468.6
100°	2078.2	1842.7	2078.2	2313.8	2372.6	2362.1	2348.0	2340.9	1932.6	1116.2	503.8
102.5°	2703.7	2502.0	2703.7	2905.5	2955.9	2771.3	2525.2	2402.2	1988.1	1160.1	539.0
105°	3501.2	3392.8	3501.2	3609.6	3636.7	3222.9	2671.2	2395.3	1994.4	1192.5	591.2
107.5°	4023.5	4049.7	4023.5	3997.3	3990.8	3413.6	2644.0	2259.2	1905.7	1198.6	668.3
110°	4222.7	4335.7	4222.7	4109.7	4081.5	3436.2	2575.9	2145.7	1827.0	1189.5	711.4



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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4240.5	4413.9	4240.5	4067.0	4023.6	3363.2	2482.7	2042.4	1758.2	1189.9	763.6
115°	4128.0	4368.5	4128.0	3887.4	3827.3	3191.1	2342.9	1918.8	1679.5	1200.9	842.0
117.5°	3889.6	4156.4	3889.6	3622.8	3556.1	2982.0	2216.4	1833.6	1630.2	1223.2	918.0
120°	3697.5	3956.6	3697.5	3438.2	3373.5	2848.9	2149.4	1799.6	1613.5	1241.4	962.2
122.5°	3510.4	3766.1	3510.4	3254.7	3190.7	2718.4	2088.4	1773.5	1604.9	1267.5	1014.4
125°	3243.5	3479.0	3243.5	3007.9	2949.0	2547.7	2012.7	1745.1	1597.6	1302.6	1081.4
127.5°	3003.4	3202.1	3003.4	2804.7	2755.0	2410.4	1951.0	1721.3	1593.5	1337.8	1146.1
130°	2862.0	3045.6	2862.0	2678.4	2632.5	2325.8	1916.7	1712.2	1596.0	1363.5	1189.2
132.5°	2733.6	2898.0	2733.6	2569.2	2528.1	2253.4	1887.3	1704.3	1597.7	1384.4	1224.4
135°	2557.7	2699.4	2557.7	2416.0	2380.6	2150.7	1844.0	1690.7	1596.1	1407.0	1265.2
137.5°	2416.6	2532.6	2416.6	2300.7	2271.6	2077.2	1818.1	1688.5	1606.0	1441.0	1317.3
140°	2319.8	2428.3	2319.8	2211.4	2184.3	2016.4	1792.4	1680.5	1607.6	1461.9	1352.5
142.5°	2239.6	2332.9	2239.6	2146.3	2123.0	1975.5	1778.8	1680.5	1613.4	1479.3	1378.6
145°	2119.4	2190.0	2119.4	2048.8	2031.1	1910.4	1749.5	1669.1	1613.4	1502.0	1418.4
147.5°	2027.0	2085.5	2027.0	1968.5	1953.9	1858.9	1732.4	1669.1	1624.5	1535.3	1468.3
150°	1969.0	2016.4	1969.0	1921.5	1909.7	1829.5	1722.6	1669.1	1630.3	1552.6	1494.4
152.5°	1919.2	1955.1	1919.2	1883.4	1874.5	1806.0	1714.8	1669.1	1634.1	1564.0	1511.5
155°	1862.2	1885.9	1862.2	1838.5	1832.6	1778.1	1705.4	1669.1	1642.3	1589.0	1548.8
157.5°	1817.0	1833.6	1817.0	1800.4	1796.3	1753.9	1697.4	1669.1	1650.7	1613.9	1586.3
160°	1790.1	1799.6	1790.1	1780.4	1778.1	1741.8	1693.3	1669.1	1654.4	1625.2	1603.3
162.5°	1772.3	1781.4	1772.3	1763.3	1761.1	1730.4	1689.6	1669.1	1658.5	1637.3	1621.5
165°	1747.0	1756.5	1747.0	1737.3	1735.0	1713.0	1683.7	1669.1	1664.3	1654.7	1647.5
167.5°	1728.7	1732.7	1728.7	1724.6	1723.6	1709.2	1690.0	1680.5	1676.5	1668.4	1662.4
170°	1723.6	1723.6	1723.6	1723.6	1723.6	1709.2	1690.0	1680.5	1680.2	1679.7	1679.4
172.5°	1710.1	1706.6	1710.1	1713.6	1714.5	1703.1	1688.0	1680.5	1680.5	1680.5	1680.5
175°	1702.0	1702.0	1702.0	1702.0	1702.0	1694.8	1685.3	1680.5	1682.7	1687.3	1690.7
177.5°	1694.7	1690.7	1694.7	1698.7	1699.7	1694.1	1686.6	1682.7	1684.5	1688.0	1690.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2576.7	2562.4	2562.4	2538.3	2528.7	2521.5	2509.4	2473.4	2463.8	2454.2	2468.6
5°	2598.4	2571.9	2552.7	2509.4	2473.4	2458.9	2413.3	2326.8	2269.1	2225.8	2201.8
7.5°	2603.2	2569.5	2533.5	2466.2	2379.6	2341.2	2201.8	2043.1	1999.8	1961.5	1937.3
10°	2598.4	2559.9	2509.4	2408.5	2204.1	2136.9	1997.5	1894.1	1867.7	1860.5	1867.7
12.5°	2581.5	2545.5	2475.8	2307.6	2021.5	1975.8	1894.1	1834.0	1829.2	1841.2	1906.1
15°	2552.7	2519.1	2437.4	2172.9	1920.5	1886.9	1829.2	1807.5	1834.0	1918.2	2112.8
17.5°	2523.9	2485.4	2384.4	2040.8	1843.7	1819.6	1778.7	1822.0	1971.0	2084.0	2148.9
20°	2485.4	2439.7	2324.4	1944.6	1788.3	1766.7	1747.5	1942.2	2055.1	2096.0	2132.1
22.5°	2439.7	2391.7	2242.6	1877.3	1730.7	1713.8	1725.9	2009.5	2055.1	2084.0	2115.3
25°	2379.6	2338.8	2146.5	1824.4	1685.0	1665.7	1711.4	2002.3	2028.7	2035.9	2098.4
27.5°	2324.4	2271.5	2045.5	1776.3	1629.7	1622.5	1723.5	1971.0	1990.3	1997.5	2064.8
30°	2257.1	2177.8	1932.5	1725.9	1572.0	1569.6	1725.9	1932.5	1927.8	1947.0	2014.3
32.5°	2187.4	2038.3	1805.2	1663.4	1516.7	1514.4	1709.0	1874.9	1870.0	1896.5	1947.0
35°	2122.5	1930.2	1632.1	1591.2	1447.1	1449.4	1668.2	1807.5	1810.0	1834.0	1865.3
37.5°	2055.1	1836.4	1442.2	1511.9	1379.7	1379.7	1612.9	1745.0	1740.3	1747.5	1790.7
40°	1975.8	1689.8	1273.9	1408.6	1317.2	1310.0	1545.6	1677.7	1660.9	1658.5	1718.7
42.5°	1891.7	1528.7	1149.0	1271.6	1245.1	1235.5	1463.9	1596.0	1564.8	1572.0	1648.9
45°	1800.4	1485.4	1052.8	1074.5	1170.6	1163.4	1374.9	1502.3	1480.7	1499.9	1579.2
47.5°	1709.0	1398.9	1021.6	891.8	1091.3	1088.8	1276.4	1410.9	1398.9	1418.2	1502.3
50°	1584.0	1302.8	1019.2	764.4	1002.3	1012.0	1158.6	1322.1	1322.1	1338.9	1427.8
52.5°	1422.9	1185.0	925.5	692.2	899.0	927.8	1055.2	1245.1	1249.9	1266.8	1346.1
55°	1276.4	1062.5	858.2	637.0	776.4	838.9	954.3	1165.8	1175.4	1192.3	1264.3
57.5°	1141.8	884.5	843.7	572.1	663.4	723.5	865.3	1088.8	1093.7	1108.1	1177.8
60°	997.5	639.4	774.0	502.4	564.9	610.5	783.6	997.5	1014.3	1024.0	1084.1
62.5°	834.0	463.9	701.9	454.3	516.8	526.4	716.3	911.0	932.7	939.8	975.9
65°	593.7	389.4	596.1	413.4	466.3	468.7	644.2	822.0	841.3	853.3	879.7
67.5°	401.4	317.3	454.3	375.0	427.9	430.3	574.5	718.7	745.2	754.7	771.6
70°	278.8	211.5	336.5	334.1	384.6	389.4	499.9	624.9	649.0	656.2	665.9
72.5°	204.3	170.6	278.8	300.5	338.9	343.8	423.1	519.2	543.2	550.4	555.2
75°	156.3	180.3	226.0	262.0	288.4	290.8	346.1	423.1	439.9	444.7	447.1
77.5°	125.0	168.3	165.8	211.5	235.6	230.8	271.6	326.9	341.3	341.3	341.3
80°	93.8	132.2	125.0	151.5	173.1	168.3	194.7	233.1	238.0	242.8	240.3
82.5°	69.7	84.1	84.1	96.1	115.3	110.6	129.8	151.5	151.5	151.5	156.3
85°	43.3	48.0	38.5	50.5	64.9	62.5	72.1	81.7	84.1	84.1	79.3
87.5°	26.5	21.6	12.0	19.2	28.8	28.8	33.7	36.0	33.7	33.7	33.7
90°	29.5	20.5	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5
92.5°	199.8	122.5	45.4	122.5	199.8	219.0	307.9	426.4	485.7	425.6	305.6
95°	391.3	250.2	109.0	250.2	391.3	426.6	757.5	1198.8	1419.5	1266.7	961.1
97.5°	437.5	312.9	188.4	312.9	437.5	468.6	1020.5	1756.3	2124.2	2027.6	1834.5
100°	475.6	362.6	249.6	362.6	475.6	503.8	1116.2	1932.6	2340.9	2348.0	2362.1
102.5°	512.6	407.2	301.8	407.2	512.6	539.0	1160.1	1988.1	2402.2	2525.2	2771.3
105°	568.9	479.6	390.3	479.6	568.9	591.2	1192.5	1994.4	2395.3	2671.2	3222.9
107.5°	647.5	564.3	481.1	564.3	647.5	668.3	1198.6	1905.7	2259.2	2644.0	3413.6
110°	692.7	617.6	542.4	617.6	692.7	711.4	1189.5	1827.0	2145.7	2575.9	3436.2



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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	745.7	674.1	602.5	674.1	745.7	763.6	1189.9	1758.2	2042.4	2482.7	3363.2
115°	825.4	759.4	693.3	759.4	825.4	842.0	1200.9	1679.5	1918.8	2342.9	3191.1
117.5°	903.0	843.0	782.9	843.0	903.0	918.0	1223.2	1630.2	1833.6	2216.4	2982.0
120°	948.1	891.6	835.1	891.6	948.1	962.2	1241.4	1613.5	1799.6	2149.4	2848.9
122.5°	1000.1	943.2	886.2	943.2	1000.1	1014.4	1267.5	1604.9	1773.5	2088.4	2718.4
125°	1068.4	1016.4	964.5	1016.4	1068.4	1081.4	1302.6	1597.6	1745.1	2012.7	2547.7
127.5°	1133.0	1080.5	1028.1	1080.5	1133.0	1146.1	1337.8	1593.5	1721.3	1951.0	2410.4
130°	1175.1	1118.6	1062.1	1118.6	1175.1	1189.2	1363.5	1596.0	1712.2	1916.7	2325.8
132.5°	1210.3	1153.8	1097.3	1153.8	1210.3	1224.4	1384.4	1597.7	1704.3	1887.3	2253.4
135°	1252.4	1200.9	1149.4	1200.9	1252.4	1265.2	1407.0	1596.1	1690.7	1844.0	2150.7
137.5°	1304.6	1253.8	1202.8	1253.8	1304.6	1317.3	1441.0	1606.0	1688.5	1818.1	2077.2
140°	1340.8	1294.0	1247.0	1294.0	1340.8	1352.5	1461.9	1607.6	1680.5	1792.4	2016.4
142.5°	1367.8	1324.4	1281.0	1324.4	1367.8	1378.6	1479.3	1613.4	1680.5	1778.8	1975.5
145°	1408.9	1371.1	1333.3	1371.1	1408.9	1418.4	1502.0	1613.4	1669.1	1749.5	1910.4
147.5°	1459.1	1422.3	1385.5	1422.3	1459.1	1468.3	1535.3	1624.5	1669.1	1732.4	1858.9
150°	1486.1	1452.8	1419.5	1452.8	1486.1	1494.4	1552.6	1630.3	1669.1	1722.6	1829.5
152.5°	1505.2	1479.9	1454.7	1479.9	1505.2	1511.5	1564.0	1634.1	1669.1	1714.8	1806.0
155°	1544.2	1525.6	1506.9	1525.6	1544.2	1548.8	1589.0	1642.3	1669.1	1705.4	1778.1
157.5°	1581.8	1563.7	1545.5	1563.7	1581.8	1586.3	1613.9	1650.7	1669.1	1697.4	1753.9
160°	1599.8	1585.7	1571.6	1585.7	1599.8	1603.3	1625.2	1654.4	1669.1	1693.3	1741.8
162.5°	1618.9	1608.2	1597.7	1608.2	1618.9	1621.5	1637.3	1658.5	1669.1	1689.6	1730.4
165°	1645.2	1635.5	1626.0	1635.5	1645.2	1647.5	1654.7	1664.3	1669.1	1683.7	1713.0
167.5°	1661.2	1656.6	1652.1	1656.6	1661.2	1662.4	1668.4	1676.5	1680.5	1690.0	1709.2
170°	1678.2	1673.6	1669.1	1673.6	1678.2	1679.4	1679.7	1680.2	1680.5	1690.0	1709.2
172.5°	1680.2	1679.2	1678.2	1679.2	1680.2	1680.5	1680.5	1680.5	1680.5	1688.0	1703.1
175°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1687.3	1682.7	1680.5	1685.3	1694.8
177.5°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1688.0	1684.5	1682.7	1686.6	1694.1
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



TEST NUMBER: P936046

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2451.7	2444.6	2454.2	2427.7	2454.2	2444.6	2451.7	2468.6	2454.2	2463.8	2473.4
5°	2151.3	2139.3	2100.8	2069.6	2100.8	2139.3	2151.3	2201.8	2225.8	2269.1	2326.8
7.5°	1923.0	1913.3	1903.7	1884.5	1903.7	1913.3	1923.0	1937.3	1961.5	1999.8	2043.1
10°	1872.5	1874.9	1889.3	1886.9	1889.3	1874.9	1872.5	1867.7	1860.5	1867.7	1894.1
12.5°	2002.3	2023.9	2103.3	2098.4	2103.3	2023.9	2002.3	1906.1	1841.2	1829.2	1834.0
15°	2151.3	2158.5	2175.3	2177.8	2175.3	2158.5	2151.3	2112.8	1918.2	1834.0	1807.5
17.5°	2165.8	2168.1	2180.1	2180.1	2180.1	2168.1	2165.8	2148.9	2084.0	1971.0	1822.0
20°	2153.7	2158.5	2182.6	2187.4	2182.6	2158.5	2153.7	2132.1	2096.0	2055.1	1942.2
22.5°	2148.9	2158.5	2177.8	2175.3	2177.8	2158.5	2148.9	2115.3	2084.0	2055.1	2009.5
25°	2124.8	2124.8	2127.3	2129.6	2127.3	2124.8	2124.8	2098.4	2035.9	2028.7	2002.3
27.5°	2074.4	2079.2	2093.6	2091.3	2093.6	2079.2	2074.4	2064.8	1997.5	1990.3	1971.0
30°	2028.7	2023.9	2011.8	2002.3	2011.8	2023.9	2028.7	2014.3	1947.0	1927.8	1932.5
32.5°	1951.8	1939.8	1927.8	1920.5	1927.8	1939.8	1951.8	1947.0	1896.5	1870.0	1874.9
35°	1860.5	1862.8	1860.5	1853.2	1860.5	1862.8	1860.5	1865.3	1834.0	1810.0	1807.5
37.5°	1795.5	1800.4	1798.0	1788.3	1798.0	1800.4	1795.5	1790.7	1747.5	1740.3	1745.0
40°	1728.2	1730.7	1728.2	1721.0	1728.2	1730.7	1728.2	1718.7	1658.5	1660.9	1677.7
42.5°	1663.4	1660.9	1653.7	1648.9	1653.7	1660.9	1663.4	1648.9	1572.0	1564.8	1596.0
45°	1588.9	1591.2	1576.9	1569.6	1576.9	1591.2	1588.9	1579.2	1499.9	1480.7	1502.3
47.5°	1514.4	1514.4	1502.3	1495.1	1502.3	1514.4	1514.4	1502.3	1418.2	1398.9	1410.9
50°	1435.0	1432.6	1415.8	1413.4	1415.8	1432.6	1435.0	1427.8	1338.9	1322.1	1322.1
52.5°	1343.6	1343.6	1346.1	1350.9	1346.1	1343.6	1343.6	1346.1	1266.8	1249.9	1245.1
55°	1264.3	1266.8	1283.6	1288.4	1283.6	1266.8	1264.3	1264.3	1192.3	1175.4	1165.8
57.5°	1182.6	1182.6	1194.6	1194.6	1194.6	1182.6	1182.6	1177.8	1108.1	1093.7	1088.8
60°	1088.8	1093.7	1103.3	1100.9	1103.3	1093.7	1088.8	1084.1	1024.0	1014.3	997.5
62.5°	990.3	995.1	997.5	992.7	997.5	995.1	990.3	975.9	939.8	932.7	911.0
65°	887.0	891.8	894.2	889.4	894.2	891.8	887.0	879.7	853.3	841.3	822.0
67.5°	781.2	778.8	776.4	786.0	776.4	778.8	781.2	771.6	754.7	745.2	718.7
70°	673.0	673.0	670.6	675.4	670.6	673.0	673.0	665.9	656.2	649.0	624.9
72.5°	557.7	555.2	564.9	557.7	564.9	555.2	557.7	555.2	550.4	543.2	519.2
75°	444.7	449.5	444.7	451.9	444.7	449.5	444.7	447.1	444.7	439.9	423.1
77.5°	338.9	343.8	338.9	338.9	338.9	343.8	338.9	341.3	341.3	341.3	326.9
80°	240.3	238.0	238.0	235.6	238.0	238.0	240.3	240.3	242.8	238.0	233.1
82.5°	153.8	151.5	151.5	156.3	151.5	151.5	153.8	156.3	151.5	151.5	151.5
85°	84.1	86.5	81.7	81.7	81.7	86.5	84.1	79.3	84.1	84.1	81.7
87.5°	31.3	28.8	28.8	28.8	28.8	28.8	31.3	33.7	33.7	33.7	36.0
90°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1
92.5°	215.6	207.0	172.7	138.4	172.7	207.0	215.6	305.6	425.6	485.7	426.4
95°	731.9	705.9	602.0	498.1	602.0	705.9	731.9	961.1	1266.7	1419.5	1198.8
97.5°	1689.6	1640.2	1442.4	1244.7	1442.4	1640.2	1689.6	1834.5	2027.6	2124.2	1756.3
100°	2372.6	2313.8	2078.2	1842.7	2078.2	2313.8	2372.6	2362.1	2348.0	2340.9	1932.6
102.5°	2955.9	2905.5	2703.7	2502.0	2703.7	2905.5	2955.9	2771.3	2525.2	2402.2	1988.1
105°	3636.7	3609.6	3501.2	3392.8	3501.2	3609.6	3636.7	3222.9	2671.2	2395.3	1994.4
107.5°	3990.8	3997.3	4023.5	4049.7	4023.5	3997.3	3990.8	3413.6	2644.0	2259.2	1905.7
110°	4081.5	4109.7	4222.7	4335.7	4222.7	4109.7	4081.5	3436.2	2575.9	2145.7	1827.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4023.6	4067.0	4240.5	4413.9	4240.5	4067.0	4023.6	3363.2	2482.7	2042.4	1758.2
115°	3827.3	3887.4	4128.0	4368.5	4128.0	3887.4	3827.3	3191.1	2342.9	1918.8	1679.5
117.5°	3556.1	3622.8	3889.6	4156.4	3889.6	3622.8	3556.1	2982.0	2216.4	1833.6	1630.2
120°	3373.5	3438.2	3697.5	3956.6	3697.5	3438.2	3373.5	2848.9	2149.4	1799.6	1613.5
122.5°	3190.7	3254.7	3510.4	3766.1	3510.4	3254.7	3190.7	2718.4	2088.4	1773.5	1604.9
125°	2949.0	3007.9	3243.5	3479.0	3243.5	3007.9	2949.0	2547.7	2012.7	1745.1	1597.6
127.5°	2755.0	2804.7	3003.4	3202.1	3003.4	2804.7	2755.0	2410.4	1951.0	1721.3	1593.5
130°	2632.5	2678.4	2862.0	3045.6	2862.0	2678.4	2632.5	2325.8	1916.7	1712.2	1596.0
132.5°	2528.1	2569.2	2733.6	2898.0	2733.6	2569.2	2528.1	2253.4	1887.3	1704.3	1597.7
135°	2380.6	2416.0	2557.7	2699.4	2557.7	2416.0	2380.6	2150.7	1844.0	1690.7	1596.1
137.5°	2271.6	2300.7	2416.6	2532.6	2416.6	2300.7	2271.6	2077.2	1818.1	1688.5	1606.0
140°	2184.3	2211.4	2319.8	2428.3	2319.8	2211.4	2184.3	2016.4	1792.4	1680.5	1607.6
142.5°	2123.0	2146.3	2239.6	2332.9	2239.6	2146.3	2123.0	1975.5	1778.8	1680.5	1613.4
145°	2031.1	2048.8	2119.4	2190.0	2119.4	2048.8	2031.1	1910.4	1749.5	1669.1	1613.4
147.5°	1953.9	1968.5	2027.0	2085.5	2027.0	1968.5	1953.9	1858.9	1732.4	1669.1	1624.5
150°	1909.7	1921.5	1969.0	2016.4	1969.0	1921.5	1909.7	1829.5	1722.6	1669.1	1630.3
152.5°	1874.5	1883.4	1919.2	1955.1	1919.2	1883.4	1874.5	1806.0	1714.8	1669.1	1634.1
155°	1832.6	1838.5	1862.2	1885.9	1862.2	1838.5	1832.6	1778.1	1705.4	1669.1	1642.3
157.5°	1796.3	1800.4	1817.0	1833.6	1817.0	1800.4	1796.3	1753.9	1697.4	1669.1	1650.7
160°	1778.1	1780.4	1790.1	1799.6	1790.1	1780.4	1778.1	1741.8	1693.3	1669.1	1654.4
162.5°	1761.1	1763.3	1772.3	1781.4	1772.3	1763.3	1761.1	1730.4	1689.6	1669.1	1658.5
165°	1735.0	1737.3	1747.0	1756.5	1747.0	1737.3	1735.0	1713.0	1683.7	1669.1	1664.3
167.5°	1723.6	1724.6	1728.7	1732.7	1728.7	1724.6	1723.6	1709.2	1690.0	1680.5	1676.5
170°	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1709.2	1690.0	1680.5	1680.2
172.5°	1714.5	1713.6	1710.1	1706.6	1710.1	1713.6	1714.5	1703.1	1688.0	1680.5	1680.5
175°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1694.8	1685.3	1680.5	1682.7
177.5°	1699.7	1698.7	1694.7	1690.7	1694.7	1698.7	1699.7	1694.1	1686.6	1682.7	1684.5
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2509.4	2521.5	2528.7	2538.3	2562.4
5°	2413.3	2458.9	2473.4	2509.4	2552.7
7.5°	2201.8	2341.2	2379.6	2466.2	2533.5
10°	1997.5	2136.9	2204.1	2408.5	2509.4
12.5°	1894.1	1975.8	2021.5	2307.6	2475.8
15°	1829.2	1886.9	1920.5	2172.9	2437.4
17.5°	1778.7	1819.6	1843.7	2040.8	2384.4
20°	1747.5	1766.7	1788.3	1944.6	2324.4
22.5°	1725.9	1713.8	1730.7	1877.3	2242.6
25°	1711.4	1665.7	1685.0	1824.4	2146.5
27.5°	1723.5	1622.5	1629.7	1776.3	2045.5
30°	1725.9	1569.6	1572.0	1725.9	1932.5
32.5°	1709.0	1514.4	1516.7	1663.4	1805.2
35°	1668.2	1449.4	1447.1	1591.2	1632.1
37.5°	1612.9	1379.7	1379.7	1511.9	1442.2
40°	1545.6	1310.0	1317.2	1408.6	1273.9
42.5°	1463.9	1235.5	1245.1	1271.6	1149.0
45°	1374.9	1163.4	1170.6	1074.5	1052.8
47.5°	1276.4	1088.8	1091.3	891.8	1021.6
50°	1158.6	1012.0	1002.3	764.4	1019.2
52.5°	1055.2	927.8	899.0	692.2	925.5
55°	954.3	838.9	776.4	637.0	858.2
57.5°	865.3	723.5	663.4	572.1	843.7
60°	783.6	610.5	564.9	502.4	774.0
62.5°	716.3	526.4	516.8	454.3	701.9
65°	644.2	468.7	466.3	413.4	596.1
67.5°	574.5	430.3	427.9	375.0	454.3
70°	499.9	389.4	384.6	334.1	336.5
72.5°	423.1	343.8	338.9	300.5	278.8
75°	346.1	290.8	288.4	262.0	226.0
77.5°	271.6	230.8	235.6	211.5	165.8
80°	194.7	168.3	173.1	151.5	125.0
82.5°	129.8	110.6	115.3	96.1	84.1
85°	72.1	62.5	64.9	50.5	38.5
87.5°	33.7	28.8	28.8	19.2	12.0
90°	49.9	31.7	29.5	20.5	11.4
92.5°	307.9	219.0	199.8	122.5	45.4
95°	757.5	426.6	391.3	250.2	109.0
97.5°	1020.5	468.6	437.5	312.9	188.4
100°	1116.2	503.8	475.6	362.6	249.6
102.5°	1160.1	539.0	512.6	407.2	301.8
105°	1192.5	591.2	568.9	479.6	390.3
107.5°	1198.6	668.3	647.5	564.3	481.1
110°	1189.5	711.4	692.7	617.6	542.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1189.9	763.6	745.7	674.1	602.5
115°	1200.9	842.0	825.4	759.4	693.3
117.5°	1223.2	918.0	903.0	843.0	782.9
120°	1241.4	962.2	948.1	891.6	835.1
122.5°	1267.5	1014.4	1000.1	943.2	886.2
125°	1302.6	1081.4	1068.4	1016.4	964.5
127.5°	1337.8	1146.1	1133.0	1080.5	1028.1
130°	1363.5	1189.2	1175.1	1118.6	1062.1
132.5°	1384.4	1224.4	1210.3	1153.8	1097.3
135°	1407.0	1265.2	1252.4	1200.9	1149.4
137.5°	1441.0	1317.3	1304.6	1253.8	1202.8
140°	1461.9	1352.5	1340.8	1294.0	1247.0
142.5°	1479.3	1378.6	1367.8	1324.4	1281.0
145°	1502.0	1418.4	1408.9	1371.1	1333.3
147.5°	1535.3	1468.3	1459.1	1422.3	1385.5
150°	1552.6	1494.4	1486.1	1452.8	1419.5
152.5°	1564.0	1511.5	1505.2	1479.9	1454.7
155°	1589.0	1548.8	1544.2	1525.6	1506.9
157.5°	1613.9	1586.3	1581.8	1563.7	1545.5
160°	1625.2	1603.3	1599.8	1585.7	1571.6
162.5°	1637.3	1621.5	1618.9	1608.2	1597.7
165°	1654.7	1647.5	1645.2	1635.5	1626.0
167.5°	1668.4	1662.4	1661.2	1656.6	1652.1
170°	1679.7	1679.4	1678.2	1673.6	1669.1
172.5°	1680.5	1680.5	1680.2	1679.2	1678.2
175°	1687.3	1690.7	1690.7	1690.7	1690.7
177.5°	1688.0	1690.7	1690.7	1690.7	1690.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7



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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	12.11	12.87	13.16	13.93	15.37	14.94	15.70	16.00	16.76	18.20
	3H	12.58	13.26	13.64	14.33	15.78	16.28	16.96	17.35	18.03	19.49
	4H	12.76	13.41	13.84	14.48	15.94	16.72	17.37	17.80	18.44	19.90
	6H	12.88	13.47	13.96	14.54	16.02	17.01	17.60	18.09	18.67	20.15
	8H	12.87	13.44	13.97	14.53	16.00	17.08	17.64	18.17	18.73	20.20
	12H	12.84	13.38	13.94	14.46	15.96	17.12	17.65	18.21	18.74	20.23
4H	2H	13.13	13.77	14.21	14.84	16.31	15.34	15.99	16.43	17.06	18.52
	3H	14.15	14.68	15.24	15.78	17.26	16.84	17.38	17.93	18.47	19.95
	4H	14.42	14.91	15.51	16.00	17.50	17.36	17.86	18.46	18.95	20.44
	6H	14.54	14.96	15.64	16.07	17.56	17.73	18.15	18.83	19.26	20.75
	8H	14.54	14.93	15.65	16.04	17.55	17.83	18.23	18.94	19.33	20.84
	12H	14.50	14.86	15.62	15.98	17.49	17.88	18.24	19.01	19.36	20.87
8H	4H	14.86	15.26	15.97	16.36	17.87	17.48	17.87	18.59	18.98	20.49
	6H	15.12	15.45	16.25	16.59	18.10	17.91	18.24	19.04	19.39	20.89
	8H	15.16	15.45	16.30	16.58	18.10	18.07	18.35	19.20	19.48	21.00
	12H	15.14	15.39	16.28	16.52	18.08	18.16	18.41	19.30	19.54	21.10
12H	4H	14.87	15.22	15.99	16.34	17.85	17.44	17.80	18.56	18.91	20.43
	6H	15.18	15.47	16.32	16.59	18.12	17.91	18.20	19.04	19.32	20.85
	8H	15.24	15.49	16.38	16.62	18.18	18.07	18.32	19.21	19.44	21.00