

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: P935878

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935878
REPORT IS A COMBINATION OF REPORTS P933769 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

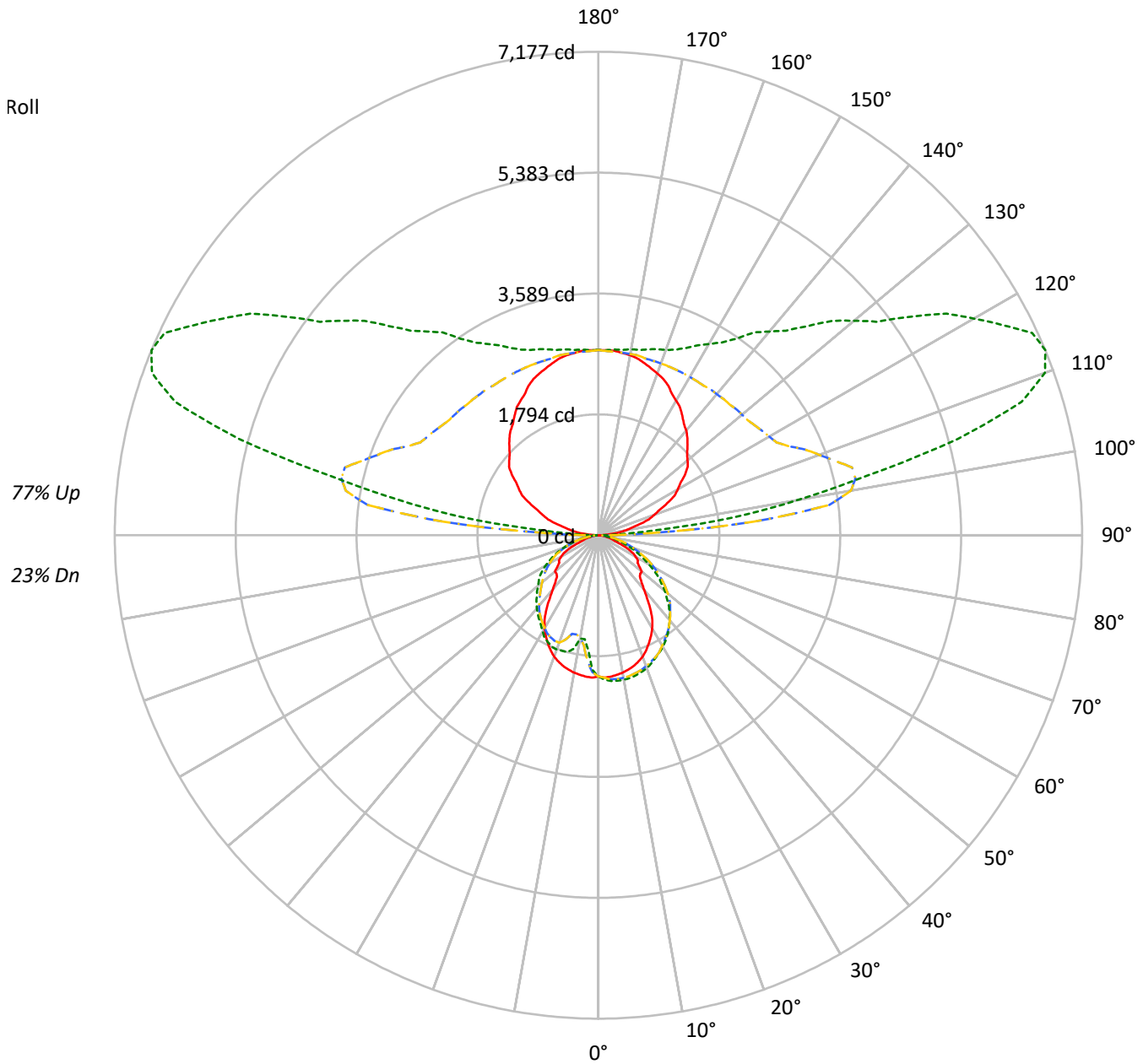
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23267.6 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 166.8
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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6486	6486	6486	6486
5°	6537	6547	6537	5148
10°	6495	6449	6495	4611
15°	6427	6309	6427	5269
20°	6295	6144	6295	5280
25°	6022	5903	6022	5167
30°	5669	5702	5669	4922
35°	5057	5449	5057	4652
40°	4216	5150	4216	4448
45°	3769	4801	3769	4214
50°	4008	4384	4008	3978
55°	3774	3935	3774	3842
60°	3895	3342	3895	3519
65°	3538	2763	3538	3088
70°	2456	2202	2456	2589
75°	2162	1628	2162	1949
80°	1754	1076	1754	1172
85°	1027	570	1027	484

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6830 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	0.8
10°-20°	537.4	2.3
20°-30°	830.7	3.6
30°-40°	991.7	4.3
40°-50°	997.6	4.3
50°-60°	868.0	3.7
60°-70°	615.4	2.6
70°-80°	325.6	1.4
80°-90°	91.6	0.4
90°-100°	1340.0	5.8
100°-110°	3522.9	15.1
110°-120°	3652.8	15.7
120°-130°	2930.0	12.6
130°-140°	2299.0	9.9
140°-150°	1764.6	7.6
150°-160°	1270.8	5.5
160°-170°	777.5	3.3
170°-180°	262.7	1.1
0°-30°	1557.4	6.7
0°-40°	2549.2	11.0
0°-60°	4414.7	19.0
0°-90°	5447.3	23.4
90°-120°	8515.7	36.6
90°-150°	15509.3	66.7
90°-180°	17820.0	76.6
0°-180°	23267.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2097	2097	2097	2097	2097	
5°	2107	2172	2107	1708	2107	200
15°	2012	2152	2012	1797	2012	566
25°	1772	2008	1772	1758	1772	813
35°	1347	1791	1347	1530	1347	833
45°	869	1476	869	1295	869	696
55°	708	1089	708	1063	708	651
65°	492	657	492	734	492	470
75°	186	312	186	373	186	196
85°	32	79	32	67	32	43
90°	18	70	18	70	18	17
95°	177	810	177	810	177	197
105°	635	5516	635	5516	635	673
115°	1127	7103	1127	7103	1127	1113
125°	1568	5657	1568	5657	1568	1392
135°	1869	4389	1869	4389	1869	1446
145°	2168	3561	2168	3561	2168	1358
155°	2450	3066	2450	3066	2450	1126
165°	2644	2856	2644	2856	2644	746
175°	2749	2767	2749	2767	2749	261
180°	2749	2749	2749	2749	2749	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2114.7	2114.7	2126.6	2130.5	2130.5	2124.6	2118.7	2124.6	2142.5	2148.4	2146.4
5°	2106.8	2122.7	2144.5	2148.4	2152.4	2150.5	2146.4	2150.5	2170.3	2174.2	2176.2
7.5°	2090.9	2120.7	2148.4	2154.4	2160.3	2154.4	2152.4	2156.4	2176.2	2180.1	2180.1
10°	2071.1	2112.7	2144.5	2148.4	2154.4	2148.4	2148.4	2156.4	2176.2	2180.1	2182.2
12.5°	2043.3	2100.9	2130.5	2134.6	2142.5	2140.5	2138.5	2146.4	2166.3	2170.3	2170.3
15°	2011.5	2079.0	2106.8	2110.7	2124.6	2120.7	2120.7	2128.6	2150.5	2156.4	2154.4
17.5°	1968.0	2051.3	2083.0	2088.9	2098.9	2096.8	2098.9	2106.8	2126.6	2130.5	2132.6
20°	1918.4	2013.5	2051.3	2057.2	2067.1	2067.1	2067.1	2077.0	2096.8	2104.8	2104.8
22.5°	1850.9	1973.9	2013.5	2017.6	2029.4	2029.4	2033.4	2047.2	2065.1	2067.1	2067.1
25°	1771.5	1930.2	1963.9	1975.8	1987.8	1993.7	1999.7	2007.6	2013.5	2011.5	2013.5
27.5°	1688.2	1874.7	1918.4	1926.2	1942.1	1948.0	1956.0	1958.0	1960.0	1965.9	1961.9
30°	1595.0	1797.3	1862.8	1870.7	1896.5	1900.5	1892.5	1896.5	1906.4	1910.4	1914.3
32.5°	1489.8	1682.2	1805.3	1823.1	1846.9	1835.0	1833.0	1839.0	1854.9	1854.9	1858.8
35°	1347.0	1593.0	1751.7	1767.6	1785.4	1771.5	1779.4	1781.4	1791.4	1797.3	1795.3
37.5°	1190.3	1515.6	1696.1	1708.0	1722.0	1704.1	1715.9	1722.0	1729.8	1725.9	1725.9
40°	1051.4	1394.6	1630.6	1638.6	1650.5	1636.7	1648.5	1652.5	1656.5	1652.5	1650.5
42.5°	948.2	1261.7	1561.2	1571.2	1563.2	1573.2	1577.1	1585.1	1579.1	1571.2	1571.2
45°	868.9	1226.0	1485.9	1497.7	1485.9	1501.8	1507.7	1507.7	1489.8	1485.9	1483.8
47.5°	843.1	1154.6	1410.5	1410.5	1404.6	1424.4	1434.2	1420.4	1402.6	1396.6	1396.6
50°	841.2	1075.2	1307.3	1299.4	1327.2	1350.9	1341.1	1327.2	1313.3	1291.5	1291.5
52.5°	763.8	978.0	1174.4	1204.2	1247.8	1261.7	1245.8	1231.9	1208.1	1198.2	1190.3
55°	708.2	876.8	1053.3	1112.9	1158.6	1176.4	1146.6	1132.7	1097.0	1091.1	1087.2
57.5°	696.3	730.0	942.3	1017.7	1073.3	1071.3	1053.3	1027.6	997.8	991.9	989.9
60°	638.8	527.7	823.3	912.5	970.0	964.1	948.2	924.5	896.7	892.7	888.8
62.5°	579.3	382.9	688.3	789.6	870.8	868.9	855.1	819.3	799.4	789.6	781.6
65°	492.0	321.3	490.0	656.7	773.7	777.7	747.9	722.1	700.3	688.3	686.4
67.5°	375.0	261.9	331.3	547.5	680.4	676.5	638.8	626.9	599.1	593.2	581.2
70°	277.8	174.6	230.1	444.4	589.2	579.3	549.5	535.6	509.9	496.0	488.0
72.5°	230.1	140.8	168.6	345.2	496.0	484.0	458.3	442.4	420.5	408.7	400.7
75°	186.5	148.8	129.0	255.9	402.7	394.8	370.9	355.1	337.2	321.3	323.3
77.5°	136.9	138.8	103.1	188.4	319.4	307.5	293.6	273.8	265.8	250.0	250.0
80°	103.1	109.2	77.4	129.0	230.1	230.1	218.2	204.3	190.4	182.5	182.5
82.5°	69.4	69.4	57.5	81.3	156.7	150.8	142.9	138.8	130.9	127.0	127.0
85°	31.7	39.6	35.7	49.6	85.3	89.2	89.2	85.3	83.3	79.4	81.3
87.5°	10.0	17.8	21.8	27.8	43.7	45.7	47.6	47.6	47.6	49.6	49.6
90°	18.4	33.2	48.0	51.7	81.1	120.5	140.2	124.6	93.5	70.1	70.1
92.5°	73.8	199.2	324.7	356.0	500.6	693.3	789.6	692.0	496.8	350.5	336.6
95°	177.1	406.6	636.3	693.7	1231.8	1949.3	2308.0	2059.6	1562.7	1190.0	1147.8
97.5°	306.3	508.8	711.3	762.0	1659.2	2855.6	3453.7	3296.7	2982.6	2747.1	2666.7
100°	405.8	589.5	773.2	819.2	1814.8	3142.3	3806.1	3817.5	3840.5	3857.7	3762.0
102.5°	490.7	662.1	833.5	876.4	1886.1	3232.5	3905.7	4105.8	4505.9	4806.1	4724.0
105°	634.7	779.8	925.0	961.3	1939.1	3242.8	3894.6	4343.1	5240.2	5912.9	5868.9
107.5°	782.3	917.6	1052.9	1086.7	1948.8	3098.4	3673.2	4298.9	5550.1	6488.6	6499.2
110°	881.9	1004.0	1126.2	1156.8	1934.1	2970.5	3488.8	4188.2	5587.1	6636.2	6682.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	979.7	1096.1	1212.6	1241.7	1934.7	2858.8	3320.8	4036.7	5468.4	6542.1	6612.6
115°	1127.3	1234.7	1342.1	1369.0	1952.6	2730.7	3119.8	3809.4	5188.5	6222.9	6320.8
117.5°	1273.0	1370.5	1468.2	1492.5	1988.8	2650.5	2981.4	3603.7	4848.5	5782.0	5890.5
120°	1357.8	1449.7	1541.5	1564.5	2018.3	2623.5	2926.1	3494.7	4631.9	5484.9	5590.3
122.5°	1440.8	1533.5	1626.2	1649.4	2060.8	2609.4	2883.7	3395.7	4419.8	5187.9	5291.9
125°	1568.2	1652.6	1737.1	1758.2	2118.0	2597.7	2837.5	3272.5	4142.5	4794.9	4890.7
127.5°	1671.5	1756.8	1842.0	1863.3	2175.1	2590.9	2798.8	3172.3	3919.3	4479.5	4560.2
130°	1726.9	1818.7	1910.5	1933.4	2216.9	2595.0	2784.0	3116.5	3781.5	4280.2	4354.9
132.5°	1784.1	1875.9	1967.7	1990.6	2250.7	2597.6	2771.1	3068.7	3664.1	4110.5	4177.4
135°	1868.9	1952.5	2036.2	2057.1	2287.7	2595.3	2749.0	2998.2	3496.8	3870.6	3928.2
137.5°	1955.6	2038.5	2121.3	2142.0	2343.0	2611.1	2745.2	2955.9	3377.4	3693.6	3740.7
140°	2027.6	2103.8	2180.1	2199.2	2376.9	2613.8	2732.3	2914.3	3278.4	3551.5	3595.5
142.5°	2082.9	2153.4	2223.9	2241.6	2405.1	2623.3	2732.3	2892.2	3212.0	3451.9	3489.8
145°	2167.8	2229.3	2290.8	2306.2	2442.0	2623.3	2713.9	2844.6	3106.2	3302.4	3331.1
147.5°	2252.6	2312.5	2372.3	2387.3	2496.2	2641.3	2713.9	2816.8	3022.6	3177.0	3200.8
150°	2308.0	2362.2	2416.3	2429.8	2524.5	2650.8	2713.9	2800.8	2974.7	3105.0	3124.2
152.5°	2365.2	2406.2	2447.2	2457.4	2542.9	2656.9	2713.9	2788.1	2936.5	3047.8	3062.4
155°	2450.1	2480.5	2510.8	2518.3	2583.5	2670.4	2713.9	2772.9	2891.1	2979.6	2989.3
157.5°	2512.8	2542.3	2571.8	2579.2	2624.0	2683.9	2713.9	2759.8	2851.6	2920.5	2927.3
160°	2555.2	2578.2	2601.2	2606.9	2642.6	2690.1	2713.9	2753.2	2831.9	2891.0	2894.9
162.5°	2597.6	2614.9	2632.0	2636.4	2662.2	2696.6	2713.9	2747.1	2813.6	2863.3	2867.0
165°	2643.8	2659.3	2674.9	2678.9	2690.5	2706.1	2713.9	2737.6	2785.2	2820.8	2824.8
167.5°	2686.3	2693.7	2700.9	2702.8	2712.7	2725.8	2732.3	2747.9	2779.0	2802.4	2804.1
170°	2713.9	2721.3	2728.7	2730.5	2731.1	2731.9	2732.3	2747.9	2779.0	2802.4	2802.4
172.5°	2728.7	2730.2	2731.9	2732.3	2732.3	2732.3	2732.3	2744.6	2769.3	2787.7	2786.2
175°	2749.0	2749.0	2749.0	2749.0	2743.4	2736.1	2732.3	2740.1	2755.7	2767.4	2767.4
177.5°	2749.0	2749.0	2749.0	2749.0	2744.6	2738.9	2736.1	2742.2	2754.5	2763.7	2762.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2150.5	2144.5	2150.5	2146.4	2148.4	2142.5	2124.6	2118.7	2124.6	2130.5	2130.5
5°	2176.2	2172.3	2176.2	2176.2	2174.2	2170.3	2150.5	2146.4	2150.5	2152.4	2148.4
7.5°	2184.2	2178.2	2184.2	2180.1	2180.1	2176.2	2156.4	2152.4	2154.4	2160.3	2154.4
10°	2184.2	2178.2	2184.2	2182.2	2180.1	2176.2	2156.4	2148.4	2148.4	2154.4	2148.4
12.5°	2174.2	2170.3	2174.2	2170.3	2170.3	2166.3	2146.4	2138.5	2140.5	2142.5	2134.6
15°	2158.4	2152.4	2158.4	2154.4	2156.4	2150.5	2128.6	2120.7	2120.7	2124.6	2110.7
17.5°	2134.6	2126.6	2134.6	2132.6	2130.5	2126.6	2106.8	2098.9	2096.8	2098.9	2088.9
20°	2106.8	2100.9	2106.8	2104.8	2104.8	2096.8	2077.0	2067.1	2067.1	2067.1	2057.2
22.5°	2063.1	2057.2	2063.1	2067.1	2067.1	2065.1	2047.2	2033.4	2029.4	2029.4	2017.6
25°	2013.5	2007.6	2013.5	2013.5	2011.5	2013.5	2007.6	1999.7	1993.7	1987.8	1975.8
27.5°	1965.9	1961.9	1965.9	1961.9	1965.9	1960.0	1958.0	1956.0	1948.0	1942.1	1926.2
30°	1918.4	1914.3	1918.4	1914.3	1910.4	1906.4	1896.5	1892.5	1900.5	1896.5	1870.7
32.5°	1858.8	1854.9	1858.8	1858.8	1854.9	1854.9	1839.0	1833.0	1835.0	1846.9	1823.1
35°	1797.3	1791.4	1797.3	1795.3	1797.3	1791.4	1781.4	1779.4	1771.5	1785.4	1767.6
37.5°	1725.9	1720.0	1725.9	1725.9	1725.9	1729.8	1722.0	1715.9	1704.1	1722.0	1708.0
40°	1652.5	1644.5	1652.5	1650.5	1652.5	1656.5	1652.5	1648.5	1636.7	1650.5	1638.6
42.5°	1569.2	1567.1	1569.2	1571.2	1571.2	1579.1	1585.1	1577.1	1573.2	1563.2	1571.2
45°	1479.9	1475.9	1479.9	1483.8	1485.9	1489.8	1507.7	1507.7	1501.8	1485.9	1497.7
47.5°	1384.6	1374.8	1384.6	1396.6	1396.6	1402.6	1420.4	1434.2	1424.4	1404.6	1410.5
50°	1283.5	1285.4	1283.5	1291.5	1291.5	1313.3	1327.2	1341.1	1350.9	1327.2	1299.4
52.5°	1184.3	1182.3	1184.3	1190.3	1198.2	1208.1	1231.9	1245.8	1261.7	1247.8	1204.2
55°	1085.1	1089.1	1085.1	1087.2	1091.1	1097.0	1132.7	1146.6	1176.4	1158.6	1112.9
57.5°	985.9	980.0	985.9	989.9	991.9	997.8	1027.6	1053.3	1071.3	1073.3	1017.7
60°	870.8	862.9	870.8	888.8	892.7	896.7	924.5	948.2	964.1	970.0	912.5
62.5°	769.7	755.9	769.7	781.6	789.6	799.4	819.3	855.1	868.9	870.8	789.6
65°	662.6	656.7	662.6	686.4	688.3	700.3	722.1	747.9	777.7	773.7	656.7
67.5°	565.4	565.4	565.4	581.2	593.2	599.1	626.9	638.8	676.5	680.4	547.5
70°	476.1	474.2	476.1	488.0	496.0	509.9	535.6	549.5	579.3	589.2	444.4
72.5°	390.9	388.8	390.9	400.7	408.7	420.5	442.4	458.3	484.0	496.0	345.2
75°	315.4	311.5	315.4	323.3	321.3	337.2	355.1	370.9	394.8	402.7	255.9
77.5°	242.1	242.1	242.1	250.0	250.0	265.8	273.8	293.6	307.5	319.4	188.4
80°	180.5	178.6	180.5	182.5	182.5	190.4	204.3	218.2	230.1	230.1	129.0
82.5°	127.0	123.0	127.0	127.0	127.0	130.9	138.8	142.9	150.8	156.7	81.3
85°	79.4	79.4	79.4	81.3	79.4	83.3	85.3	89.2	89.2	85.3	49.6
87.5°	51.6	49.6	51.6	49.6	49.6	47.6	47.6	47.6	45.7	43.7	27.8
90°	70.1	70.1	70.1	70.1	70.1	93.5	124.6	140.2	120.5	81.1	51.7
92.5°	280.8	225.1	280.8	336.6	350.5	496.8	692.0	789.6	693.3	500.6	356.0
95°	978.8	809.9	978.8	1147.8	1190.0	1562.7	2059.6	2308.0	1949.3	1231.8	693.7
97.5°	2345.3	2023.9	2345.3	2666.7	2747.1	2982.6	3296.7	3453.7	2855.6	1659.2	762.0
100°	3379.1	2996.2	3379.1	3762.0	3857.7	3840.5	3817.5	3806.1	3142.3	1814.8	819.2
102.5°	4396.1	4068.0	4396.1	4724.0	4806.1	4505.9	4105.8	3905.7	3232.5	1886.1	876.4
105°	5692.7	5516.4	5692.7	5868.9	5912.9	5240.2	4343.1	3894.6	3242.8	1939.1	961.3
107.5°	6541.9	6584.5	6541.9	6499.2	6488.6	5550.1	4298.9	3673.2	3098.4	1948.8	1086.7
110°	6865.8	7049.5	6865.8	6682.1	6636.2	5587.1	4188.2	3488.8	2970.5	1934.1	1156.8



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CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6894.7	7176.8	6894.7	6612.6	6542.1	5468.4	4036.7	3320.8	2858.8	1934.7	1241.7
115°	6711.8	7102.9	6711.8	6320.8	6222.9	5188.5	3809.4	3119.8	2730.7	1952.6	1369.0
117.5°	6324.2	6757.9	6324.2	5890.5	5782.0	4848.5	3603.7	2981.4	2650.5	1988.8	1492.5
120°	6011.7	6433.3	6011.7	5590.3	5484.9	4631.9	3494.7	2926.1	2623.5	2018.3	1564.5
122.5°	5707.7	6123.4	5707.7	5291.9	5187.9	4419.8	3395.7	2883.7	2609.4	2060.8	1649.4
125°	5273.6	5656.6	5273.6	4890.7	4794.9	4142.5	3272.5	2837.5	2597.7	2118.0	1758.2
127.5°	4883.4	5206.4	4883.4	4560.2	4479.5	3919.3	3172.3	2798.8	2590.9	2175.1	1863.3
130°	4653.3	4951.8	4653.3	4354.9	4280.2	3781.5	3116.5	2784.0	2595.0	2216.9	1933.4
132.5°	4444.6	4711.9	4444.6	4177.4	4110.5	3664.1	3068.7	2771.1	2597.6	2250.7	1990.6
135°	4158.7	4389.1	4158.7	3928.2	3870.6	3496.8	2998.2	2749.0	2595.3	2287.7	2057.1
137.5°	3929.3	4117.8	3929.3	3740.7	3693.6	3377.4	2955.9	2745.2	2611.1	2343.0	2142.0
140°	3771.8	3948.1	3771.8	3595.5	3551.5	3278.4	2914.3	2732.3	2613.8	2376.9	2199.2
142.5°	3641.5	3793.1	3641.5	3489.8	3451.9	3212.0	2892.2	2732.3	2623.3	2405.1	2241.6
145°	3446.0	3560.7	3446.0	3331.1	3302.4	3106.2	2844.6	2713.9	2623.3	2442.0	2306.2
147.5°	3295.9	3391.0	3295.9	3200.8	3177.0	3022.6	2816.8	2713.9	2641.3	2496.2	2387.3
150°	3201.3	3278.4	3201.3	3124.2	3105.0	2974.7	2800.8	2713.9	2650.8	2524.5	2429.8
152.5°	3120.6	3178.8	3120.6	3062.4	3047.8	2936.5	2788.1	2713.9	2656.9	2542.9	2457.4
155°	3027.7	3066.3	3027.7	2989.3	2979.6	2891.1	2772.9	2713.9	2670.4	2583.5	2518.3
157.5°	2954.4	2981.4	2954.4	2927.3	2920.5	2851.6	2759.8	2713.9	2683.9	2624.0	2579.2
160°	2910.5	2926.1	2910.5	2894.9	2891.0	2831.9	2753.2	2713.9	2690.1	2642.6	2606.9
162.5°	2881.8	2896.6	2881.8	2867.0	2863.3	2813.6	2747.1	2713.9	2696.6	2662.2	2636.4
165°	2840.4	2855.9	2840.4	2824.8	2820.8	2785.2	2737.6	2713.9	2706.1	2690.5	2678.9
167.5°	2810.6	2817.2	2810.6	2804.1	2802.4	2779.0	2747.9	2732.3	2725.8	2712.7	2702.8
170°	2802.4	2802.4	2802.4	2802.4	2802.4	2779.0	2747.9	2732.3	2731.9	2731.1	2730.5
172.5°	2780.5	2774.8	2780.5	2786.2	2787.7	2769.3	2744.6	2732.3	2732.3	2732.3	2732.3
175°	2767.4	2767.4	2767.4	2767.4	2767.4	2755.7	2740.1	2732.3	2736.1	2743.4	2749.0
177.5°	2755.5	2749.0	2755.5	2762.0	2763.7	2754.5	2742.2	2736.1	2738.9	2744.6	2749.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P935878

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2126.6	2114.7	2114.7	2094.9	2087.0	2081.0	2071.1	2041.3	2033.4	2025.4	2037.4
5°	2144.5	2122.7	2106.8	2071.1	2041.3	2029.4	1991.7	1920.3	1872.7	1837.0	1817.2
7.5°	2148.4	2120.7	2090.9	2035.4	1963.9	1932.2	1817.2	1686.3	1650.5	1618.8	1598.9
10°	2144.5	2112.7	2071.1	1987.8	1819.2	1763.6	1648.5	1563.2	1541.4	1535.5	1541.4
12.5°	2130.5	2100.9	2043.3	1904.5	1668.4	1630.6	1563.2	1513.6	1509.7	1519.6	1573.2
15°	2106.8	2079.0	2011.5	1793.3	1585.1	1557.3	1509.7	1491.8	1513.6	1583.0	1743.7
17.5°	2083.0	2051.3	1968.0	1684.3	1521.6	1501.8	1468.0	1503.7	1626.7	1720.0	1773.5
20°	2051.3	2013.5	1918.4	1604.9	1475.9	1458.1	1442.2	1602.9	1696.1	1729.8	1759.6
22.5°	2013.5	1973.9	1850.9	1549.3	1428.3	1414.4	1424.4	1658.5	1696.1	1720.0	1745.7
25°	1963.9	1930.2	1771.5	1505.7	1390.7	1374.8	1412.4	1652.5	1674.3	1680.2	1731.8
27.5°	1918.4	1874.7	1688.2	1466.0	1345.0	1339.1	1422.4	1626.7	1642.6	1648.5	1704.1
30°	1862.8	1797.3	1595.0	1424.4	1297.4	1295.4	1424.4	1595.0	1591.0	1606.9	1662.4
32.5°	1805.3	1682.2	1489.8	1372.8	1251.7	1249.8	1410.5	1547.3	1543.4	1565.2	1606.9
35°	1751.7	1593.0	1347.0	1313.3	1194.2	1196.2	1376.8	1491.8	1493.8	1513.6	1539.4
37.5°	1696.1	1515.6	1190.3	1247.8	1138.7	1138.7	1331.1	1440.3	1436.3	1442.2	1477.9
40°	1630.6	1394.6	1051.4	1162.5	1087.2	1081.1	1275.6	1384.6	1370.8	1368.9	1418.4
42.5°	1561.2	1261.7	948.2	1049.4	1027.6	1019.6	1208.1	1317.2	1291.5	1297.4	1360.9
45°	1485.9	1226.0	868.9	886.7	966.1	960.2	1134.7	1239.9	1222.0	1237.9	1303.4
47.5°	1410.5	1154.6	843.1	736.0	900.6	898.6	1053.3	1164.5	1154.6	1170.5	1239.9
50°	1307.3	1075.2	841.2	630.8	827.3	835.1	956.2	1091.1	1091.1	1105.0	1178.4
52.5°	1174.4	978.0	763.8	571.3	742.0	765.7	870.8	1027.6	1031.6	1045.5	1110.9
55°	1053.3	876.8	708.2	525.7	640.8	692.4	787.5	962.1	970.0	983.9	1043.5
57.5°	942.3	730.0	696.3	472.1	547.5	597.1	714.2	898.6	902.6	914.5	972.1
60°	823.3	527.7	638.8	414.6	466.2	503.8	646.7	823.3	837.1	845.1	894.7
62.5°	688.3	382.9	579.3	375.0	426.5	434.4	591.2	751.8	769.7	775.7	805.5
65°	490.0	321.3	492.0	341.3	384.8	386.8	531.7	678.5	694.3	704.2	726.1
67.5°	331.3	261.9	375.0	309.5	353.1	355.1	474.2	593.2	615.0	623.0	636.8
70°	230.1	174.6	277.8	275.8	317.4	321.3	412.6	515.8	535.6	541.6	549.5
72.5°	168.6	140.8	230.1	248.0	279.7	283.7	349.1	428.5	448.3	454.3	458.3
75°	129.0	148.8	186.5	216.2	238.0	240.0	285.6	349.1	363.0	367.0	369.0
77.5°	103.1	138.8	136.9	174.6	194.4	190.4	224.2	269.8	281.7	281.7	281.7
80°	77.4	109.2	103.1	125.0	142.9	138.8	160.7	192.5	196.4	200.4	198.4
82.5°	57.5	69.4	69.4	79.4	95.2	91.3	107.1	125.0	125.0	125.0	129.0
85°	35.7	39.6	31.7	41.7	53.5	51.6	59.6	67.4	69.4	69.4	65.5
87.5°	21.8	17.8	10.0	15.9	23.8	23.8	27.8	29.8	27.8	27.8	27.8
90°	48.0	33.2	18.4	33.2	48.0	51.7	81.1	120.5	140.2	124.6	93.5
92.5°	324.7	199.2	73.8	199.2	324.7	356.0	500.6	693.3	789.6	692.0	496.8
95°	636.3	406.6	177.1	406.6	636.3	693.7	1231.8	1949.3	2308.0	2059.6	1562.7
97.5°	711.3	508.8	306.3	508.8	711.3	762.0	1659.2	2855.6	3453.7	3296.7	2982.6
100°	773.2	589.5	405.8	589.5	773.2	819.2	1814.8	3142.3	3806.1	3817.5	3840.5
102.5°	833.5	662.1	490.7	662.1	833.5	876.4	1886.1	3232.5	3905.7	4105.8	4505.9
105°	925.0	779.8	634.7	779.8	925.0	961.3	1939.1	3242.8	3894.6	4343.1	5240.2
107.5°	1052.9	917.6	782.3	917.6	1052.9	1086.7	1948.8	3098.4	3673.2	4298.9	5550.1
110°	1126.2	1004.0	881.9	1004.0	1126.2	1156.8	1934.1	2970.5	3488.8	4188.2	5587.1



TEST NUMBER: P935878

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1212.6	1096.1	979.7	1096.1	1212.6	1241.7	1934.7	2858.8	3320.8	4036.7	5468.4
115°	1342.1	1234.7	1127.3	1234.7	1342.1	1369.0	1952.6	2730.7	3119.8	3809.4	5188.5
117.5°	1468.2	1370.5	1273.0	1370.5	1468.2	1492.5	1988.8	2650.5	2981.4	3603.7	4848.5
120°	1541.5	1449.7	1357.8	1449.7	1541.5	1564.5	2018.3	2623.5	2926.1	3494.7	4631.9
122.5°	1626.2	1533.5	1440.8	1533.5	1626.2	1649.4	2060.8	2609.4	2883.7	3395.7	4419.8
125°	1737.1	1652.6	1568.2	1652.6	1737.1	1758.2	2118.0	2597.7	2837.5	3272.5	4142.5
127.5°	1842.0	1756.8	1671.5	1756.8	1842.0	1863.3	2175.1	2590.9	2798.8	3172.3	3919.3
130°	1910.5	1818.7	1726.9	1818.7	1910.5	1933.4	2216.9	2595.0	2784.0	3116.5	3781.5
132.5°	1967.7	1875.9	1784.1	1875.9	1967.7	1990.6	2250.7	2597.6	2771.1	3068.7	3664.1
135°	2036.2	1952.5	1868.9	1952.5	2036.2	2057.1	2287.7	2595.3	2749.0	2998.2	3496.8
137.5°	2121.3	2038.5	1955.6	2038.5	2121.3	2142.0	2343.0	2611.1	2745.2	2955.9	3377.4
140°	2180.1	2103.8	2027.6	2103.8	2180.1	2199.2	2376.9	2613.8	2732.3	2914.3	3278.4
142.5°	2223.9	2153.4	2082.9	2153.4	2223.9	2241.6	2405.1	2623.3	2732.3	2892.2	3212.0
145°	2290.8	2229.3	2167.8	2229.3	2290.8	2306.2	2442.0	2623.3	2713.9	2844.6	3106.2
147.5°	2372.3	2312.5	2252.6	2312.5	2372.3	2387.3	2496.2	2641.3	2713.9	2816.8	3022.6
150°	2416.3	2362.2	2308.0	2362.2	2416.3	2429.8	2524.5	2650.8	2713.9	2800.8	2974.7
152.5°	2447.2	2406.2	2365.2	2406.2	2447.2	2457.4	2542.9	2656.9	2713.9	2788.1	2936.5
155°	2510.8	2480.5	2450.1	2480.5	2510.8	2518.3	2583.5	2670.4	2713.9	2772.9	2891.1
157.5°	2571.8	2542.3	2512.8	2542.3	2571.8	2579.2	2624.0	2683.9	2713.9	2759.8	2851.6
160°	2601.2	2578.2	2555.2	2578.2	2601.2	2606.9	2642.6	2690.1	2713.9	2753.2	2831.9
162.5°	2632.0	2614.9	2597.6	2614.9	2632.0	2636.4	2662.2	2696.6	2713.9	2747.1	2813.6
165°	2674.9	2659.3	2643.8	2659.3	2674.9	2678.9	2690.5	2706.1	2713.9	2737.6	2785.2
167.5°	2700.9	2693.7	2686.3	2693.7	2700.9	2702.8	2712.7	2725.8	2732.3	2747.9	2779.0
170°	2728.7	2721.3	2713.9	2721.3	2728.7	2730.5	2731.1	2731.9	2732.3	2747.9	2779.0
172.5°	2731.9	2730.2	2728.7	2730.2	2731.9	2732.3	2732.3	2732.3	2732.3	2744.6	2769.3
175°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2743.4	2736.1	2732.3	2740.1	2755.7
177.5°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2744.6	2738.9	2736.1	2742.2	2754.5
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P935878
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2023.5	2017.6	2025.4	2003.7	2025.4	2017.6	2023.5	2037.4	2025.4	2033.4	2041.3
5°	1775.5	1765.5	1733.9	1708.0	1733.9	1765.5	1775.5	1817.2	1837.0	1872.7	1920.3
7.5°	1587.1	1579.1	1571.2	1555.3	1571.2	1579.1	1587.1	1598.9	1618.8	1650.5	1686.3
10°	1545.4	1547.3	1559.3	1557.3	1559.3	1547.3	1545.4	1541.4	1535.5	1541.4	1563.2
12.5°	1652.5	1670.4	1735.9	1731.8	1735.9	1670.4	1652.5	1573.2	1519.6	1509.7	1513.6
15°	1775.5	1781.4	1795.3	1797.3	1795.3	1781.4	1775.5	1743.7	1583.0	1513.6	1491.8
17.5°	1787.4	1789.4	1799.3	1799.3	1799.3	1789.4	1787.4	1773.5	1720.0	1626.7	1503.7
20°	1777.5	1781.4	1801.3	1805.3	1801.3	1781.4	1777.5	1759.6	1729.8	1696.1	1602.9
22.5°	1773.5	1781.4	1797.3	1795.3	1797.3	1781.4	1773.5	1745.7	1720.0	1696.1	1658.5
25°	1753.7	1753.7	1755.7	1757.6	1755.7	1753.7	1753.7	1731.8	1680.2	1674.3	1652.5
27.5°	1712.0	1715.9	1727.9	1725.9	1727.9	1715.9	1712.0	1704.1	1648.5	1642.6	1626.7
30°	1674.3	1670.4	1660.4	1652.5	1660.4	1670.4	1674.3	1662.4	1606.9	1591.0	1595.0
32.5°	1610.8	1600.9	1591.0	1585.1	1591.0	1600.9	1610.8	1606.9	1565.2	1543.4	1547.3
35°	1535.5	1537.5	1535.5	1529.5	1535.5	1537.5	1535.5	1539.4	1513.6	1493.8	1491.8
37.5°	1481.9	1485.9	1483.8	1475.9	1483.8	1485.9	1481.9	1477.9	1442.2	1436.3	1440.3
40°	1426.3	1428.3	1426.3	1420.4	1426.3	1428.3	1426.3	1418.4	1368.9	1370.8	1384.6
42.5°	1372.8	1370.8	1364.8	1360.9	1364.8	1370.8	1372.8	1360.9	1297.4	1291.5	1317.2
45°	1311.3	1313.3	1301.3	1295.4	1301.3	1313.3	1311.3	1303.4	1237.9	1222.0	1239.9
47.5°	1249.8	1249.8	1239.9	1233.9	1239.9	1249.8	1249.8	1239.9	1170.5	1154.6	1164.5
50°	1184.3	1182.3	1168.4	1166.4	1168.4	1182.3	1184.3	1178.4	1105.0	1091.1	1091.1
52.5°	1109.0	1109.0	1110.9	1114.9	1110.9	1109.0	1109.0	1110.9	1045.5	1031.6	1027.6
55°	1043.5	1045.5	1059.4	1063.3	1059.4	1045.5	1043.5	1043.5	983.9	970.0	962.1
57.5°	976.0	976.0	985.9	985.9	985.9	976.0	976.0	972.1	914.5	902.6	898.6
60°	898.6	902.6	910.6	908.6	910.6	902.6	898.6	894.7	845.1	837.1	823.3
62.5°	817.3	821.3	823.3	819.3	823.3	821.3	817.3	805.5	775.7	769.7	751.8
65°	732.0	736.0	737.9	734.0	737.9	736.0	732.0	726.1	704.2	694.3	678.5
67.5°	644.7	642.8	640.8	648.7	640.8	642.8	644.7	636.8	623.0	615.0	593.2
70°	555.4	555.4	553.4	557.5	553.4	555.4	555.4	549.5	541.6	535.6	515.8
72.5°	460.3	458.3	466.2	460.3	466.2	458.3	460.3	458.3	454.3	448.3	428.5
75°	367.0	370.9	367.0	372.9	367.0	370.9	367.0	369.0	367.0	363.0	349.1
77.5°	279.7	283.7	279.7	279.7	279.7	283.7	279.7	281.7	281.7	281.7	269.8
80°	198.4	196.4	196.4	194.4	196.4	196.4	198.4	198.4	200.4	196.4	192.5
82.5°	127.0	125.0	125.0	129.0	125.0	125.0	127.0	129.0	125.0	125.0	125.0
85°	69.4	71.4	67.4	67.4	67.4	71.4	69.4	65.5	69.4	69.4	67.4
87.5°	25.8	23.8	23.8	23.8	23.8	23.8	25.8	27.8	27.8	27.8	29.8
90°	70.1	70.1	70.1	70.1	70.1	70.1	70.1	93.5	124.6	140.2	120.5
92.5°	350.5	336.6	280.8	225.1	280.8	336.6	350.5	496.8	692.0	789.6	693.3
95°	1190.0	1147.8	978.8	809.9	978.8	1147.8	1190.0	1562.7	2059.6	2308.0	1949.3
97.5°	2747.1	2666.7	2345.3	2023.9	2345.3	2666.7	2747.1	2982.6	3296.7	3453.7	2855.6
100°	3857.7	3762.0	3379.1	2996.2	3379.1	3762.0	3857.7	3840.5	3817.5	3806.1	3142.3
102.5°	4806.1	4724.0	4396.1	4068.0	4396.1	4724.0	4806.1	4505.9	4105.8	3905.7	3232.5
105°	5912.9	5868.9	5692.7	5516.4	5692.7	5868.9	5912.9	5240.2	4343.1	3894.6	3242.8
107.5°	6488.6	6499.2	6541.9	6584.5	6541.9	6499.2	6488.6	5550.1	4298.9	3673.2	3098.4
110°	6636.2	6682.1	6865.8	7049.5	6865.8	6682.1	6636.2	5587.1	4188.2	3488.8	2970.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6542.1	6612.6	6894.7	7176.8	6894.7	6612.6	6542.1	5468.4	4036.7	3320.8	2858.8
115°	6222.9	6320.8	6711.8	7102.9	6711.8	6320.8	6222.9	5188.5	3809.4	3119.8	2730.7
117.5°	5782.0	5890.5	6324.2	6757.9	6324.2	5890.5	5782.0	4848.5	3603.7	2981.4	2650.5
120°	5484.9	5590.3	6011.7	6433.3	6011.7	5590.3	5484.9	4631.9	3494.7	2926.1	2623.5
122.5°	5187.9	5291.9	5707.7	6123.4	5707.7	5291.9	5187.9	4419.8	3395.7	2883.7	2609.4
125°	4794.9	4890.7	5273.6	5656.6	5273.6	4890.7	4794.9	4142.5	3272.5	2837.5	2597.7
127.5°	4479.5	4560.2	4883.4	5206.4	4883.4	4560.2	4479.5	3919.3	3172.3	2798.8	2590.9
130°	4280.2	4354.9	4653.3	4951.8	4653.3	4354.9	4280.2	3781.5	3116.5	2784.0	2595.0
132.5°	4110.5	4177.4	4444.6	4711.9	4444.6	4177.4	4110.5	3664.1	3068.7	2771.1	2597.6
135°	3870.6	3928.2	4158.7	4389.1	4158.7	3928.2	3870.6	3496.8	2998.2	2749.0	2595.3
137.5°	3693.6	3740.7	3929.3	4117.8	3929.3	3740.7	3693.6	3377.4	2955.9	2745.2	2611.1
140°	3551.5	3595.5	3771.8	3948.1	3771.8	3595.5	3551.5	3278.4	2914.3	2732.3	2613.8
142.5°	3451.9	3489.8	3641.5	3793.1	3641.5	3489.8	3451.9	3212.0	2892.2	2732.3	2623.3
145°	3302.4	3331.1	3446.0	3560.7	3446.0	3331.1	3302.4	3106.2	2844.6	2713.9	2623.3
147.5°	3177.0	3200.8	3295.9	3391.0	3295.9	3200.8	3177.0	3022.6	2816.8	2713.9	2641.3
150°	3105.0	3124.2	3201.3	3278.4	3201.3	3124.2	3105.0	2974.7	2800.8	2713.9	2650.8
152.5°	3047.8	3062.4	3120.6	3178.8	3120.6	3062.4	3047.8	2936.5	2788.1	2713.9	2656.9
155°	2979.6	2989.3	3027.7	3066.3	3027.7	2989.3	2979.6	2891.1	2772.9	2713.9	2670.4
157.5°	2920.5	2927.3	2954.4	2981.4	2954.4	2927.3	2920.5	2851.6	2759.8	2713.9	2683.9
160°	2891.0	2894.9	2910.5	2926.1	2910.5	2894.9	2891.0	2831.9	2753.2	2713.9	2690.1
162.5°	2863.3	2867.0	2881.8	2896.6	2881.8	2867.0	2863.3	2813.6	2747.1	2713.9	2696.6
165°	2820.8	2824.8	2840.4	2855.9	2840.4	2824.8	2820.8	2785.2	2737.6	2713.9	2706.1
167.5°	2802.4	2804.1	2810.6	2817.2	2810.6	2804.1	2802.4	2779.0	2747.9	2732.3	2725.8
170°	2802.4	2802.4	2802.4	2802.4	2802.4	2802.4	2802.4	2779.0	2747.9	2732.3	2731.9
172.5°	2787.7	2786.2	2780.5	2774.8	2780.5	2786.2	2787.7	2769.3	2744.6	2732.3	2732.3
175°	2767.4	2767.4	2767.4	2767.4	2767.4	2767.4	2767.4	2755.7	2740.1	2732.3	2736.1
177.5°	2763.7	2762.0	2755.5	2749.0	2755.5	2762.0	2763.7	2754.5	2742.2	2736.1	2738.9
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2071.1	2081.0	2087.0	2094.9	2114.7
5°	1991.7	2029.4	2041.3	2071.1	2106.8
7.5°	1817.2	1932.2	1963.9	2035.4	2090.9
10°	1648.5	1763.6	1819.2	1987.8	2071.1
12.5°	1563.2	1630.6	1668.4	1904.5	2043.3
15°	1509.7	1557.3	1585.1	1793.3	2011.5
17.5°	1468.0	1501.8	1521.6	1684.3	1968.0
20°	1442.2	1458.1	1475.9	1604.9	1918.4
22.5°	1424.4	1414.4	1428.3	1549.3	1850.9
25°	1412.4	1374.8	1390.7	1505.7	1771.5
27.5°	1422.4	1339.1	1345.0	1466.0	1688.2
30°	1424.4	1295.4	1297.4	1424.4	1595.0
32.5°	1410.5	1249.8	1251.7	1372.8	1489.8
35°	1376.8	1196.2	1194.2	1313.3	1347.0
37.5°	1331.1	1138.7	1138.7	1247.8	1190.3
40°	1275.6	1081.1	1087.2	1162.5	1051.4
42.5°	1208.1	1019.6	1027.6	1049.4	948.2
45°	1134.7	960.2	966.1	886.7	868.9
47.5°	1053.3	898.6	900.6	736.0	843.1
50°	956.2	835.1	827.3	630.8	841.2
52.5°	870.8	765.7	742.0	571.3	763.8
55°	787.5	692.4	640.8	525.7	708.2
57.5°	714.2	597.1	547.5	472.1	696.3
60°	646.7	503.8	466.2	414.6	638.8
62.5°	591.2	434.4	426.5	375.0	579.3
65°	531.7	386.8	384.8	341.3	492.0
67.5°	474.2	355.1	353.1	309.5	375.0
70°	412.6	321.3	317.4	275.8	277.8
72.5°	349.1	283.7	279.7	248.0	230.1
75°	285.6	240.0	238.0	216.2	186.5
77.5°	224.2	190.4	194.4	174.6	136.9
80°	160.7	138.8	142.9	125.0	103.1
82.5°	107.1	91.3	95.2	79.4	69.4
85°	59.6	51.6	53.5	41.7	31.7
87.5°	27.8	23.8	23.8	15.9	10.0
90°	81.1	51.7	48.0	33.2	18.4
92.5°	500.6	356.0	324.7	199.2	73.8
95°	1231.8	693.7	636.3	406.6	177.1
97.5°	1659.2	762.0	711.3	508.8	306.3
100°	1814.8	819.2	773.2	589.5	405.8
102.5°	1886.1	876.4	833.5	662.1	490.7
105°	1939.1	961.3	925.0	779.8	634.7
107.5°	1948.8	1086.7	1052.9	917.6	782.3
110°	1934.1	1156.8	1126.2	1004.0	881.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1934.7	1241.7	1212.6	1096.1	979.7
115°	1952.6	1369.0	1342.1	1234.7	1127.3
117.5°	1988.8	1492.5	1468.2	1370.5	1273.0
120°	2018.3	1564.5	1541.5	1449.7	1357.8
122.5°	2060.8	1649.4	1626.2	1533.5	1440.8
125°	2118.0	1758.2	1737.1	1652.6	1568.2
127.5°	2175.1	1863.3	1842.0	1756.8	1671.5
130°	2216.9	1933.4	1910.5	1818.7	1726.9
132.5°	2250.7	1990.6	1967.7	1875.9	1784.1
135°	2287.7	2057.1	2036.2	1952.5	1868.9
137.5°	2343.0	2142.0	2121.3	2038.5	1955.6
140°	2376.9	2199.2	2180.1	2103.8	2027.6
142.5°	2405.1	2241.6	2223.9	2153.4	2082.9
145°	2442.0	2306.2	2290.8	2229.3	2167.8
147.5°	2496.2	2387.3	2372.3	2312.5	2252.6
150°	2524.5	2429.8	2416.3	2362.2	2308.0
152.5°	2542.9	2457.4	2447.2	2406.2	2365.2
155°	2583.5	2518.3	2510.8	2480.5	2450.1
157.5°	2624.0	2579.2	2571.8	2542.3	2512.8
160°	2642.6	2606.9	2601.2	2578.2	2555.2
162.5°	2662.2	2636.4	2632.0	2614.9	2597.6
165°	2690.5	2678.9	2674.9	2659.3	2643.8
167.5°	2712.7	2702.8	2700.9	2693.7	2686.3
170°	2731.1	2730.5	2728.7	2721.3	2713.9
172.5°	2732.3	2732.3	2731.9	2730.2	2728.7
175°	2743.4	2749.0	2749.0	2749.0	2749.0
177.5°	2744.6	2749.0	2749.0	2749.0	2749.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0



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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	8.10	8.76	9.25	9.91	11.51	10.95	11.61	12.11	12.76	14.36
	3H	8.56	9.15	9.72	10.31	11.93	12.29	12.88	13.45	14.03	15.65
	4H	8.74	9.31	9.91	10.46	12.08	12.73	13.29	13.90	14.44	16.07
	6H	8.85	9.37	10.03	10.52	12.16	13.01	13.52	14.19	14.68	16.32
	8H	8.84	9.34	10.03	10.51	12.14	13.08	13.57	14.26	14.74	16.37
	12H	8.81	9.28	9.99	10.44	12.09	13.11	13.58	14.30	14.74	16.39
4H	2H	9.11	9.68	10.29	10.83	12.45	11.33	11.90	12.51	13.05	14.67
	3H	10.12	10.59	11.30	11.77	13.40	12.83	13.30	14.01	14.47	16.11
	4H	10.39	10.82	11.57	11.99	13.64	13.35	13.78	14.54	14.95	16.60
	6H	10.50	10.87	11.69	12.06	13.70	13.71	14.08	14.90	15.27	16.91
	8H	10.50	10.85	11.69	12.03	13.69	13.81	14.16	15.00	15.34	17.00
	12H	10.46	10.77	11.66	11.96	13.63	13.87	14.18	15.07	15.37	17.04
8H	4H	10.83	11.17	12.02	12.35	14.02	13.46	13.80	14.65	14.98	16.65
	6H	11.08	11.37	12.29	12.59	14.25	13.89	14.18	15.10	15.40	17.06
	8H	11.12	11.37	12.33	12.57	14.25	14.05	14.29	15.26	15.49	17.17
	12H	11.10	11.31	12.31	12.51	14.22	14.14	14.36	15.36	15.55	17.26
12H	4H	10.82	11.14	12.03	12.33	14.00	13.41	13.73	14.62	14.92	16.58
	6H	11.14	11.39	12.35	12.59	14.27	13.89	14.14	15.10	15.33	17.01
	8H	11.20	11.42	12.42	12.61	14.32	14.04	14.26	15.26	15.46	17.17