

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: P935948

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935948
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

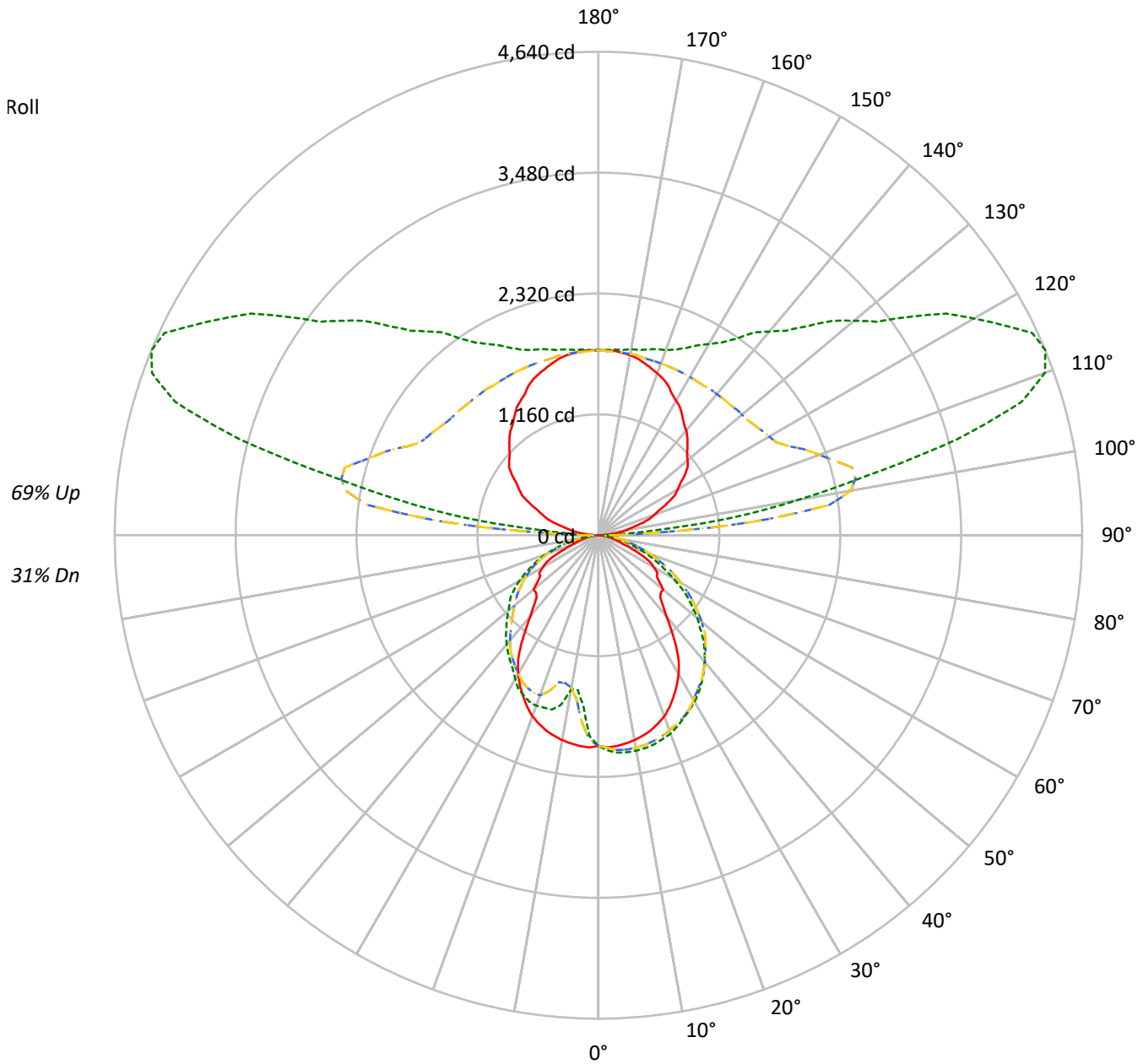
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16768.8 lumens
Efficiency: N/A
Efficacy: 131.8 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): 127.2
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				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	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9378	9378	9378	9378
5°	9448	9467	9448	7444
10°	9385	9325	9385	6667
15°	9283	9123	9283	7618
20°	9089	8884	9089	7634
25°	8691	8534	8691	7472
30°	8178	8245	8178	7117
35°	7290	7878	7290	6727
40°	6075	7447	6075	6432
45°	5428	6941	5428	6092
50°	5767	6339	5767	5753
55°	5425	5690	5425	5555
60°	5593	4833	5593	5089
65°	5071	3995	5071	4466
70°	3511	3184	3511	3743
75°	3079	2353	3079	2818
80°	2480	1556	2480	1694
85°	1425	824	1425	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8319 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	1.1
10°-20°	518.0	3.1
20°-30°	800.8	4.8
30°-40°	956.0	5.7
40°-50°	961.6	5.7
50°-60°	836.7	5.0
60°-70°	593.3	3.5
70°-80°	313.9	1.9
80°-90°	84.9	0.5
90°-100°	866.3	5.2
100°-110°	2277.6	13.6
110°-120°	2361.6	14.1
120°-130°	1894.3	11.3
130°-140°	1486.3	8.9
140°-150°	1140.8	6.8
150°-160°	821.6	4.9
160°-170°	502.7	3.0
170°-180°	169.8	1.0
0°-30°	1501.3	9.0
0°-40°	2457.3	14.7
0°-60°	4255.6	25.4
0°-90°	5247.7	31.3
90°-120°	5505.5	32.8
90°-150°	10027.0	59.8
90°-180°	11521.0	68.7
0°-180°	16768.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2021	2021	2021	2021	2021	
5°	2031	2094	2031	1646	2031	193
15°	1939	2075	1939	1732	1939	546
25°	1708	1935	1708	1694	1708	784
35°	1298	1727	1298	1474	1298	803
45°	838	1423	838	1249	838	671
55°	683	1050	683	1025	683	627
65°	474	633	474	708	474	453
75°	180	300	180	360	180	189
85°	31	76	31	65	31	41
90°	12	45	12	45	12	11
95°	115	524	115	524	115	127
105°	410	3566	410	3566	410	435
115°	729	4592	729	4592	729	720
125°	1014	3657	1014	3657	1014	900
135°	1208	2838	1208	2838	1208	935
145°	1402	2302	1402	2302	1402	878
155°	1584	1982	1584	1982	1584	728
165°	1709	1846	1709	1846	1709	482
175°	1777	1789	1777	1789	1777	169
180°	1777	1777	1777	1777	1777	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2038.5	2038.5	2050.0	2053.8	2053.8	2048.1	2042.3	2048.1	2065.3	2071.0	2069.1
5°	2030.9	2046.2	2067.2	2071.0	2074.8	2072.9	2069.1	2072.9	2092.1	2095.9	2097.8
7.5°	2015.6	2044.2	2071.0	2076.8	2082.5	2076.8	2074.8	2078.7	2097.8	2101.6	2101.6
10°	1996.4	2036.6	2067.2	2071.0	2076.8	2071.0	2071.0	2078.7	2097.8	2101.6	2103.5
12.5°	1969.7	2025.1	2053.8	2057.6	2065.3	2063.4	2061.5	2069.1	2088.2	2092.1	2092.1
15°	1939.1	2004.1	2030.9	2034.7	2048.1	2044.2	2044.2	2051.9	2072.9	2078.7	2076.8
17.5°	1897.0	1977.3	2007.9	2013.6	2023.2	2021.3	2023.2	2030.9	2050.0	2053.8	2055.7
20°	1849.2	1941.0	1977.3	1983.0	1992.6	1992.6	1992.6	2002.2	2021.3	2028.9	2028.9
22.5°	1784.2	1902.7	1941.0	1944.8	1956.3	1956.3	1960.1	1973.5	1990.7	1992.6	1992.6
25°	1707.7	1860.7	1893.2	1904.6	1916.1	1921.9	1927.6	1935.2	1941.0	1939.1	1941.0
27.5°	1627.3	1807.1	1849.2	1856.8	1872.1	1877.9	1885.5	1887.4	1889.3	1895.1	1891.3
30°	1537.5	1732.5	1795.6	1803.3	1828.1	1832.0	1824.3	1828.1	1837.7	1841.5	1845.4
32.5°	1436.1	1621.6	1740.2	1757.4	1780.3	1768.9	1766.9	1772.7	1788.0	1788.0	1791.8
35°	1298.4	1535.6	1688.5	1703.8	1721.1	1707.7	1715.3	1717.2	1726.8	1732.5	1730.6
37.5°	1147.3	1461.0	1635.0	1646.5	1659.9	1642.6	1654.1	1659.9	1667.5	1663.7	1663.7
40°	1013.6	1344.3	1571.9	1579.5	1591.0	1577.6	1589.1	1592.9	1596.7	1592.9	1591.0
42.5°	914.1	1216.2	1505.0	1514.5	1506.9	1516.4	1520.3	1527.9	1522.2	1514.5	1514.5
45°	837.6	1181.8	1432.3	1443.8	1432.3	1447.6	1453.3	1453.3	1436.1	1432.3	1430.4
47.5°	812.8	1113.0	1359.6	1359.6	1353.9	1373.0	1382.6	1369.2	1352.0	1346.2	1346.2
50°	810.9	1036.5	1260.2	1252.5	1279.3	1302.2	1292.7	1279.3	1265.9	1244.9	1244.9
52.5°	736.3	942.8	1132.1	1160.7	1202.8	1216.2	1200.9	1187.5	1164.5	1155.0	1147.3
55°	682.7	845.3	1015.5	1072.8	1116.8	1134.0	1105.4	1092.0	1057.5	1051.8	1048.0
57.5°	671.2	703.8	908.4	981.1	1034.6	1032.7	1015.5	990.6	961.9	956.2	954.3
60°	615.8	508.7	793.6	879.7	935.2	929.4	914.1	891.2	864.4	860.6	856.7
62.5°	558.4	369.1	663.6	761.1	839.5	837.6	824.2	789.8	770.7	761.1	753.5
65°	474.3	309.8	472.4	633.0	745.8	749.7	721.0	696.1	675.1	663.6	661.7
67.5°	361.4	252.4	319.4	527.8	655.9	652.1	615.8	604.3	577.5	571.8	560.3
70°	267.7	168.3	221.8	428.4	568.0	558.4	529.7	516.3	491.5	478.1	470.4
72.5°	221.8	135.8	162.6	332.8	478.1	466.6	441.8	426.5	405.4	394.0	386.3
75°	179.8	143.4	124.3	246.7	388.2	380.6	357.6	342.3	325.1	309.8	311.7
77.5°	132.0	133.9	99.4	181.7	307.9	296.4	283.0	263.9	256.3	241.0	241.0
80°	99.4	105.2	74.6	124.3	221.8	221.8	210.4	197.0	183.6	175.9	175.9
82.5°	66.9	66.9	55.5	78.4	151.1	145.3	137.7	133.9	126.2	122.4	122.4
85°	30.6	38.2	34.4	47.8	82.2	86.1	86.1	82.2	80.3	76.5	78.4
87.5°	9.6	17.2	21.0	26.8	42.1	44.0	45.9	45.9	45.9	47.8	47.8
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	210.0	230.3	323.7	448.3	510.5	447.4	321.3	226.6	217.6
95°	114.6	263.0	411.4	448.5	796.3	1260.2	1492.1	1331.5	1010.3	769.4	742.0
97.5°	198.0	328.9	459.9	492.6	1072.8	1846.2	2232.9	2131.4	1928.4	1776.0	1724.1
100°	262.4	381.1	499.9	529.6	1173.3	2031.5	2460.7	2468.1	2482.9	2494.0	2432.2
102.5°	317.3	428.1	538.8	566.5	1219.4	2089.9	2525.1	2654.5	2913.1	3107.1	3054.2
105°	410.3	504.1	598.0	621.4	1253.6	2096.5	2517.9	2808.0	3387.9	3822.9	3794.4
107.5°	505.7	593.2	680.6	702.5	1260.0	2003.2	2374.8	2779.3	3588.3	4195.0	4201.9
110°	570.2	649.2	728.1	747.8	1250.4	1920.5	2255.6	2707.7	3612.1	4290.4	4320.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.4	708.6	783.9	802.7	1250.8	1848.2	2146.9	2609.7	3535.3	4229.5	4275.1
115°	728.8	798.2	867.6	885.1	1262.4	1765.4	2017.0	2462.8	3354.4	4023.2	4086.4
117.5°	823.0	886.1	949.2	965.0	1285.8	1713.6	1927.5	2329.9	3134.6	3738.1	3808.2
120°	877.9	937.3	996.6	1011.5	1304.9	1696.1	1891.7	2259.4	2994.7	3546.1	3614.2
122.5°	931.5	991.5	1051.3	1066.3	1332.4	1687.0	1864.3	2195.3	2857.5	3354.0	3421.3
125°	1013.9	1068.5	1123.0	1136.7	1369.3	1679.4	1834.5	2115.7	2678.1	3100.0	3161.8
127.5°	1080.7	1135.8	1190.9	1204.7	1406.3	1675.1	1809.4	2050.8	2533.8	2896.0	2948.2
130°	1116.5	1175.8	1235.2	1250.0	1433.3	1677.6	1799.8	2014.8	2444.8	2767.2	2815.5
132.5°	1153.5	1212.8	1272.2	1287.0	1455.2	1679.5	1791.5	1983.9	2368.8	2657.5	2700.7
135°	1208.2	1262.4	1316.5	1330.0	1479.0	1677.8	1777.2	1938.4	2260.7	2502.5	2539.6
137.5°	1264.4	1317.9	1371.4	1384.8	1514.8	1688.2	1774.9	1911.1	2183.6	2387.9	2418.4
140°	1310.8	1360.2	1409.4	1421.8	1536.7	1689.9	1766.5	1884.2	2119.6	2296.1	2324.6
142.5°	1346.6	1392.2	1437.8	1449.2	1555.0	1696.0	1766.5	1869.8	2076.6	2231.7	2256.1
145°	1401.5	1441.3	1481.0	1491.0	1578.9	1696.0	1754.5	1839.0	2008.2	2135.1	2153.6
147.5°	1456.4	1495.1	1533.8	1543.5	1613.9	1707.7	1754.5	1821.1	1954.1	2053.9	2069.3
150°	1492.1	1527.1	1562.1	1570.8	1632.0	1713.7	1754.5	1810.7	1923.1	2007.4	2019.9
152.5°	1529.1	1555.6	1582.2	1588.8	1644.1	1717.7	1754.5	1802.5	1898.4	1970.4	1979.8
155°	1584.0	1603.6	1623.2	1628.1	1670.3	1726.4	1754.5	1792.7	1869.1	1926.3	1932.6
157.5°	1624.6	1643.7	1662.7	1667.5	1696.5	1735.2	1754.5	1784.3	1843.6	1888.2	1892.6
160°	1652.0	1666.8	1681.7	1685.4	1708.4	1739.1	1754.5	1780.0	1830.9	1869.1	1871.6
162.5°	1679.5	1690.5	1701.7	1704.5	1721.1	1743.4	1754.5	1776.0	1819.0	1851.2	1853.6
165°	1709.2	1719.2	1729.4	1731.9	1739.4	1749.5	1754.5	1769.9	1800.7	1823.7	1826.2
167.5°	1736.6	1741.4	1746.2	1747.4	1753.8	1762.3	1766.5	1776.5	1796.7	1811.8	1812.8
170°	1754.5	1759.3	1764.1	1765.3	1765.7	1766.2	1766.5	1776.5	1796.7	1811.8	1811.8
172.5°	1764.1	1765.1	1766.2	1766.5	1766.5	1766.5	1766.5	1774.4	1790.3	1802.2	1801.3
175°	1777.2	1777.2	1777.2	1777.2	1773.6	1768.9	1766.5	1771.5	1781.6	1789.1	1789.1
177.5°	1777.2	1777.2	1777.2	1777.2	1774.4	1770.7	1768.9	1772.9	1780.8	1786.7	1785.7
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2072.9	2067.2	2072.9	2069.1	2071.0	2065.3	2048.1	2042.3	2048.1	2053.8	2053.8
5°	2097.8	2094.0	2097.8	2097.8	2095.9	2092.1	2072.9	2069.1	2072.9	2074.8	2071.0
7.5°	2105.4	2099.7	2105.4	2101.6	2101.6	2097.8	2078.7	2074.8	2076.8	2082.5	2076.8
10°	2105.4	2099.7	2105.4	2103.5	2101.6	2097.8	2078.7	2071.0	2071.0	2076.8	2071.0
12.5°	2095.9	2092.1	2095.9	2092.1	2092.1	2088.2	2069.1	2061.5	2063.4	2065.3	2057.6
15°	2080.6	2074.8	2080.6	2076.8	2078.7	2072.9	2051.9	2044.2	2044.2	2048.1	2034.7
17.5°	2057.6	2050.0	2057.6	2055.7	2053.8	2050.0	2030.9	2023.2	2021.3	2023.2	2013.6
20°	2030.9	2025.1	2030.9	2028.9	2028.9	2021.3	2002.2	1992.6	1992.6	1992.6	1983.0
22.5°	1988.8	1983.0	1988.8	1992.6	1992.6	1990.7	1973.5	1960.1	1956.3	1956.3	1944.8
25°	1941.0	1935.2	1941.0	1941.0	1939.1	1941.0	1935.2	1927.6	1921.9	1916.1	1904.6
27.5°	1895.1	1891.3	1895.1	1891.3	1895.1	1889.3	1887.4	1885.5	1877.9	1872.1	1856.8
30°	1849.2	1845.4	1849.2	1845.4	1841.5	1837.7	1828.1	1824.3	1832.0	1828.1	1803.3
32.5°	1791.8	1788.0	1791.8	1791.8	1788.0	1788.0	1772.7	1766.9	1768.9	1780.3	1757.4
35°	1732.5	1726.8	1732.5	1730.6	1732.5	1726.8	1717.2	1715.3	1707.7	1721.1	1703.8
37.5°	1663.7	1657.9	1663.7	1663.7	1663.7	1667.5	1659.9	1654.1	1642.6	1659.9	1646.5
40°	1592.9	1585.3	1592.9	1591.0	1592.9	1596.7	1592.9	1589.1	1577.6	1591.0	1579.5
42.5°	1512.6	1510.7	1512.6	1514.5	1514.5	1522.2	1527.9	1520.3	1516.4	1506.9	1514.5
45°	1426.5	1422.7	1426.5	1430.4	1432.3	1436.1	1453.3	1453.3	1447.6	1432.3	1443.8
47.5°	1334.7	1325.2	1334.7	1346.2	1346.2	1352.0	1369.2	1382.6	1373.0	1353.9	1359.6
50°	1237.2	1239.1	1237.2	1244.9	1244.9	1265.9	1279.3	1292.7	1302.2	1279.3	1252.5
52.5°	1141.6	1139.8	1141.6	1147.3	1155.0	1164.5	1187.5	1200.9	1216.2	1202.8	1160.7
55°	1046.1	1049.9	1046.1	1048.0	1051.8	1057.5	1092.0	1105.4	1134.0	1116.8	1072.8
57.5°	950.5	944.7	950.5	954.3	956.2	961.9	990.6	1015.5	1032.7	1034.6	981.1
60°	839.5	831.9	839.5	856.7	860.6	864.4	891.2	914.1	929.4	935.2	879.7
62.5°	742.0	728.6	742.0	753.5	761.1	770.7	789.8	824.2	837.6	839.5	761.1
65°	638.7	633.0	638.7	661.7	663.6	675.1	696.1	721.0	749.7	745.8	633.0
67.5°	545.0	545.0	545.0	560.3	571.8	577.5	604.3	615.8	652.1	655.9	527.8
70°	459.0	457.1	459.0	470.4	478.1	491.5	516.3	529.7	558.4	568.0	428.4
72.5°	376.7	374.8	376.7	386.3	394.0	405.4	426.5	441.8	466.6	478.1	332.8
75°	304.1	300.2	304.1	311.7	309.8	325.1	342.3	357.6	380.6	388.2	246.7
77.5°	233.3	233.3	233.3	241.0	241.0	256.3	263.9	283.0	296.4	307.9	181.7
80°	174.0	172.1	174.0	175.9	175.9	183.6	197.0	210.4	221.8	221.8	124.3
82.5°	122.4	118.6	122.4	122.4	122.4	126.2	133.9	137.7	145.3	151.1	78.4
85°	76.5	76.5	76.5	78.4	76.5	80.3	82.2	86.1	86.1	82.2	47.8
87.5°	49.7	47.8	49.7	47.8	47.8	45.9	45.9	45.9	44.0	42.1	26.8
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.6	145.5	181.6	217.6	226.6	321.3	447.4	510.5	448.3	323.7	230.3
95°	632.8	523.6	632.8	742.0	769.4	1010.3	1331.5	1492.1	1260.2	796.3	448.5
97.5°	1516.2	1308.5	1516.2	1724.1	1776.0	1928.4	2131.4	2232.9	1846.2	1072.8	492.6
100°	2184.6	1937.1	2184.6	2432.2	2494.0	2482.9	2468.1	2460.7	2031.5	1173.3	529.6
102.5°	2842.1	2630.1	2842.1	3054.2	3107.1	2913.1	2654.5	2525.1	2089.9	1219.4	566.5
105°	3680.4	3566.4	3680.4	3794.4	3822.9	3387.9	2808.0	2517.9	2096.5	1253.6	621.4
107.5°	4229.4	4257.0	4229.4	4201.9	4195.0	3588.3	2779.3	2374.8	2003.2	1260.0	702.5
110°	4438.8	4557.6	4438.8	4320.1	4290.4	3612.1	2707.7	2255.6	1920.5	1250.4	747.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4457.5	4639.8	4457.5	4275.1	4229.5	3535.3	2609.7	2146.9	1848.2	1250.8	802.7
115°	4339.3	4592.1	4339.3	4086.4	4023.2	3354.4	2462.8	2017.0	1765.4	1262.4	885.1
117.5°	4088.7	4369.1	4088.7	3808.2	3738.1	3134.6	2329.9	1927.5	1713.6	1285.8	965.0
120°	3886.7	4159.2	3886.7	3614.2	3546.1	2994.7	2259.4	1891.7	1696.1	1304.9	1011.5
122.5°	3690.0	3958.8	3690.0	3421.3	3354.0	2857.5	2195.3	1864.3	1687.0	1332.4	1066.3
125°	3409.5	3657.1	3409.5	3161.8	3100.0	2678.1	2115.7	1834.5	1679.4	1369.3	1136.7
127.5°	3157.2	3366.0	3157.2	2948.2	2896.0	2533.8	2050.8	1809.4	1675.1	1406.3	1204.7
130°	3008.5	3201.4	3008.5	2815.5	2767.2	2444.8	2014.8	1799.8	1677.6	1433.3	1250.0
132.5°	2873.5	3046.3	2873.5	2700.7	2657.5	2368.8	1983.9	1791.5	1679.5	1455.2	1287.0
135°	2688.6	2837.6	2688.6	2539.6	2502.5	2260.7	1938.4	1777.2	1677.8	1479.0	1330.0
137.5°	2540.3	2662.2	2540.3	2418.4	2387.9	2183.6	1911.1	1774.9	1688.2	1514.8	1384.8
140°	2438.6	2552.6	2438.6	2324.6	2296.1	2119.6	1884.2	1766.5	1689.9	1536.7	1421.8
142.5°	2354.2	2452.3	2354.2	2256.1	2231.7	2076.6	1869.8	1766.5	1696.0	1555.0	1449.2
145°	2227.8	2302.0	2227.8	2153.6	2135.1	2008.2	1839.0	1754.5	1696.0	1578.9	1491.0
147.5°	2130.8	2192.3	2130.8	2069.3	2053.9	1954.1	1821.1	1754.5	1707.7	1613.9	1543.5
150°	2069.8	2119.6	2069.8	2019.9	2007.4	1923.1	1810.7	1754.5	1713.7	1632.0	1570.8
152.5°	2017.5	2055.1	2017.5	1979.8	1970.4	1898.4	1802.5	1754.5	1717.7	1644.1	1588.8
155°	1957.5	1982.4	1957.5	1932.6	1926.3	1869.1	1792.7	1754.5	1726.4	1670.3	1628.1
157.5°	1910.0	1927.5	1910.0	1892.6	1888.2	1843.6	1784.3	1754.5	1735.2	1696.5	1667.5
160°	1881.7	1891.7	1881.7	1871.6	1869.1	1830.9	1780.0	1754.5	1739.1	1708.4	1685.4
162.5°	1863.0	1872.6	1863.0	1853.6	1851.2	1819.0	1776.0	1754.5	1743.4	1721.1	1704.5
165°	1836.4	1846.4	1836.4	1826.2	1823.7	1800.7	1769.9	1754.5	1749.5	1739.4	1731.9
167.5°	1817.1	1821.4	1817.1	1812.8	1811.8	1796.7	1776.5	1766.5	1762.3	1753.8	1747.4
170°	1811.8	1811.8	1811.8	1811.8	1811.8	1796.7	1776.5	1766.5	1766.2	1765.7	1765.3
172.5°	1797.6	1793.9	1797.6	1801.3	1802.2	1790.3	1774.4	1766.5	1766.5	1766.5	1766.5
175°	1789.1	1789.1	1789.1	1789.1	1789.1	1781.6	1771.5	1766.5	1768.9	1773.6	1777.2
177.5°	1781.4	1777.2	1781.4	1785.7	1786.7	1780.8	1772.9	1768.9	1770.7	1774.4	1777.2
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2050.0	2038.5	2038.5	2019.4	2011.7	2006.0	1996.4	1967.7	1960.1	1952.5	1963.9
5°	2067.2	2046.2	2030.9	1996.4	1967.7	1956.3	1919.9	1851.1	1805.2	1770.8	1751.6
7.5°	2071.0	2044.2	2015.6	1962.0	1893.2	1862.6	1751.6	1625.4	1591.0	1560.4	1541.3
10°	2067.2	2036.6	1996.4	1916.1	1753.6	1700.0	1589.1	1506.9	1485.8	1480.1	1485.8
12.5°	2053.8	2025.1	1969.7	1835.8	1608.2	1571.9	1506.9	1459.1	1455.2	1464.8	1516.4
15°	2030.9	2004.1	1939.1	1728.7	1527.9	1501.1	1455.2	1438.0	1459.1	1526.0	1680.9
17.5°	2007.9	1977.3	1897.0	1623.5	1466.7	1447.6	1415.1	1449.5	1568.1	1657.9	1709.6
20°	1977.3	1941.0	1849.2	1547.0	1422.7	1405.5	1390.2	1545.1	1635.0	1667.5	1696.2
22.5°	1941.0	1902.7	1784.2	1493.5	1376.8	1363.4	1373.0	1598.7	1635.0	1657.9	1682.8
25°	1893.2	1860.7	1707.7	1451.4	1340.5	1325.2	1361.5	1592.9	1614.0	1619.7	1669.4
27.5°	1849.2	1807.1	1627.3	1413.2	1296.5	1290.8	1371.1	1568.1	1583.4	1589.1	1642.6
30°	1795.6	1732.5	1537.5	1373.0	1250.6	1248.7	1373.0	1537.5	1533.6	1548.9	1602.5
32.5°	1740.2	1621.6	1436.1	1323.3	1206.6	1204.7	1359.6	1491.6	1487.7	1508.8	1548.9
35°	1688.5	1535.6	1298.4	1265.9	1151.2	1153.1	1327.1	1438.0	1439.9	1459.1	1483.9
37.5°	1635.0	1461.0	1147.3	1202.8	1097.7	1097.7	1283.1	1388.3	1384.5	1390.2	1424.6
40°	1571.9	1344.3	1013.6	1120.7	1048.0	1042.3	1229.6	1334.7	1321.4	1319.5	1367.3
42.5°	1505.0	1216.2	914.1	1011.7	990.6	983.0	1164.5	1269.7	1244.9	1250.6	1311.8
45°	1432.3	1181.8	837.6	854.8	931.3	925.6	1093.9	1195.1	1177.9	1193.2	1256.3
47.5°	1359.6	1113.0	812.8	709.5	868.2	866.3	1015.5	1122.6	1113.0	1128.3	1195.1
50°	1260.2	1036.5	810.9	608.1	797.5	805.1	921.8	1051.8	1051.8	1065.2	1136.0
52.5°	1132.1	942.8	736.3	550.8	715.2	738.2	839.5	990.6	994.4	1007.8	1070.9
55°	1015.5	845.3	682.7	506.8	617.7	667.4	759.2	927.5	935.2	948.5	1005.9
57.5°	908.4	703.8	671.2	455.1	527.8	575.6	688.5	866.3	870.1	881.6	937.1
60°	793.6	508.7	615.8	399.7	449.4	485.7	623.4	793.6	807.0	814.7	862.5
62.5°	663.6	369.1	558.4	361.4	411.2	418.8	569.9	724.8	742.0	747.7	776.4
65°	472.4	309.8	474.3	328.9	371.0	372.9	512.5	654.0	669.3	678.9	699.9
67.5°	319.4	252.4	361.4	298.3	340.4	342.3	457.1	571.8	592.8	600.5	613.9
70°	221.8	168.3	267.7	265.8	306.0	309.8	397.8	497.2	516.3	522.1	529.7
72.5°	162.6	135.8	221.8	239.0	269.6	273.5	336.6	413.1	432.2	437.9	441.8
75°	124.3	143.4	179.8	208.5	229.5	231.4	275.4	336.6	350.0	353.8	355.7
77.5°	99.4	133.9	132.0	168.3	187.4	183.6	216.1	260.1	271.6	271.6	271.6
80°	74.6	105.2	99.4	120.5	137.7	133.9	154.9	185.5	189.3	193.2	191.2
82.5°	55.5	66.9	66.9	76.5	91.8	88.0	103.3	120.5	120.5	120.5	124.3
85°	34.4	38.2	30.6	40.2	51.6	49.7	57.4	65.0	66.9	66.9	63.1
87.5°	21.0	17.2	9.6	15.3	22.9	22.9	26.8	28.7	26.8	26.8	26.8
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	210.0	128.8	47.7	128.8	210.0	230.3	323.7	448.3	510.5	447.4	321.3
95°	411.4	263.0	114.6	263.0	411.4	448.5	796.3	1260.2	1492.1	1331.5	1010.3
97.5°	459.9	328.9	198.0	328.9	459.9	492.6	1072.8	1846.2	2232.9	2131.4	1928.4
100°	499.9	381.1	262.4	381.1	499.9	529.6	1173.3	2031.5	2460.7	2468.1	2482.9
102.5°	538.8	428.1	317.3	428.1	538.8	566.5	1219.4	2089.9	2525.1	2654.5	2913.1
105°	598.0	504.1	410.3	504.1	598.0	621.4	1253.6	2096.5	2517.9	2808.0	3387.9
107.5°	680.6	593.2	505.7	593.2	680.6	702.5	1260.0	2003.2	2374.8	2779.3	3588.3
110°	728.1	649.2	570.2	649.2	728.1	747.8	1250.4	1920.5	2255.6	2707.7	3612.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.9	708.6	633.4	708.6	783.9	802.7	1250.8	1848.2	2146.9	2609.7	3535.3
115°	867.6	798.2	728.8	798.2	867.6	885.1	1262.4	1765.4	2017.0	2462.8	3354.4
117.5°	949.2	886.1	823.0	886.1	949.2	965.0	1285.8	1713.6	1927.5	2329.9	3134.6
120°	996.6	937.3	877.9	937.3	996.6	1011.5	1304.9	1696.1	1891.7	2259.4	2994.7
122.5°	1051.3	991.5	931.5	991.5	1051.3	1066.3	1332.4	1687.0	1864.3	2195.3	2857.5
125°	1123.0	1068.5	1013.9	1068.5	1123.0	1136.7	1369.3	1679.4	1834.5	2115.7	2678.1
127.5°	1190.9	1135.8	1080.7	1135.8	1190.9	1204.7	1406.3	1675.1	1809.4	2050.8	2533.8
130°	1235.2	1175.8	1116.5	1175.8	1235.2	1250.0	1433.3	1677.6	1799.8	2014.8	2444.8
132.5°	1272.2	1212.8	1153.5	1212.8	1272.2	1287.0	1455.2	1679.5	1791.5	1983.9	2368.8
135°	1316.5	1262.4	1208.2	1262.4	1316.5	1330.0	1479.0	1677.8	1777.2	1938.4	2260.7
137.5°	1371.4	1317.9	1264.4	1317.9	1371.4	1384.8	1514.8	1688.2	1774.9	1911.1	2183.6
140°	1409.4	1360.2	1310.8	1360.2	1409.4	1421.8	1536.7	1689.9	1766.5	1884.2	2119.6
142.5°	1437.8	1392.2	1346.6	1392.2	1437.8	1449.2	1555.0	1696.0	1766.5	1869.8	2076.6
145°	1481.0	1441.3	1401.5	1441.3	1481.0	1491.0	1578.9	1696.0	1754.5	1839.0	2008.2
147.5°	1533.8	1495.1	1456.4	1495.1	1533.8	1543.5	1613.9	1707.7	1754.5	1821.1	1954.1
150°	1562.1	1527.1	1492.1	1527.1	1562.1	1570.8	1632.0	1713.7	1754.5	1810.7	1923.1
152.5°	1582.2	1555.6	1529.1	1555.6	1582.2	1588.8	1644.1	1717.7	1754.5	1802.5	1898.4
155°	1623.2	1603.6	1584.0	1603.6	1623.2	1628.1	1670.3	1726.4	1754.5	1792.7	1869.1
157.5°	1662.7	1643.7	1624.6	1643.7	1662.7	1667.5	1696.5	1735.2	1754.5	1784.3	1843.6
160°	1681.7	1666.8	1652.0	1666.8	1681.7	1685.4	1708.4	1739.1	1754.5	1780.0	1830.9
162.5°	1701.7	1690.5	1679.5	1690.5	1701.7	1704.5	1721.1	1743.4	1754.5	1776.0	1819.0
165°	1729.4	1719.2	1709.2	1719.2	1729.4	1731.9	1739.4	1749.5	1754.5	1769.9	1800.7
167.5°	1746.2	1741.4	1736.6	1741.4	1746.2	1747.4	1753.8	1762.3	1766.5	1776.5	1796.7
170°	1764.1	1759.3	1754.5	1759.3	1764.1	1765.3	1765.7	1766.2	1766.5	1776.5	1796.7
172.5°	1766.2	1765.1	1764.1	1765.1	1766.2	1766.5	1766.5	1766.5	1766.5	1774.4	1790.3
175°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1773.6	1768.9	1766.5	1771.5	1781.6
177.5°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1774.4	1770.7	1768.9	1772.9	1780.8
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



TEST NUMBER: P935948

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	1950.5	1944.8	1952.5	1931.4	1952.5	1944.8	1950.5	1963.9	1952.5	1960.1	1967.7
5°	1711.5	1701.9	1671.3	1646.5	1671.3	1701.9	1711.5	1751.6	1770.8	1805.2	1851.1
7.5°	1529.8	1522.2	1514.5	1499.2	1514.5	1522.2	1529.8	1541.3	1560.4	1591.0	1625.4
10°	1489.7	1491.6	1503.0	1501.1	1503.0	1491.6	1489.7	1485.8	1480.1	1485.8	1506.9
12.5°	1592.9	1610.1	1673.2	1669.4	1673.2	1610.1	1592.9	1516.4	1464.8	1455.2	1459.1
15°	1711.5	1717.2	1730.6	1732.5	1730.6	1717.2	1711.5	1680.9	1526.0	1459.1	1438.0
17.5°	1723.0	1724.9	1734.4	1734.4	1734.4	1724.9	1723.0	1709.6	1657.9	1568.1	1449.5
20°	1713.4	1717.2	1736.4	1740.2	1736.4	1717.2	1713.4	1696.2	1667.5	1635.0	1545.1
22.5°	1709.6	1717.2	1732.5	1730.6	1732.5	1717.2	1709.6	1682.8	1657.9	1635.0	1598.7
25°	1690.5	1690.5	1692.4	1694.3	1692.4	1690.5	1690.5	1669.4	1619.7	1614.0	1592.9
27.5°	1650.3	1654.1	1665.6	1663.7	1665.6	1654.1	1650.3	1642.6	1589.1	1583.4	1568.1
30°	1614.0	1610.1	1600.6	1592.9	1600.6	1610.1	1614.0	1602.5	1548.9	1533.6	1537.5
32.5°	1552.8	1543.2	1533.6	1527.9	1533.6	1543.2	1552.8	1548.9	1508.8	1487.7	1491.6
35°	1480.1	1482.0	1480.1	1474.4	1480.1	1482.0	1480.1	1483.9	1459.1	1439.9	1438.0
37.5°	1428.5	1432.3	1430.4	1422.7	1430.4	1432.3	1428.5	1424.6	1390.2	1384.5	1388.3
40°	1374.9	1376.8	1374.9	1369.2	1374.9	1376.8	1374.9	1367.3	1319.5	1321.4	1334.7
42.5°	1323.3	1321.4	1315.6	1311.8	1315.6	1321.4	1323.3	1311.8	1250.6	1244.9	1269.7
45°	1264.0	1265.9	1254.4	1248.7	1254.4	1265.9	1264.0	1256.3	1193.2	1177.9	1195.1
47.5°	1204.7	1204.7	1195.1	1189.4	1195.1	1204.7	1204.7	1195.1	1128.3	1113.0	1122.6
50°	1141.6	1139.8	1126.4	1124.5	1126.4	1139.8	1141.6	1136.0	1065.2	1051.8	1051.8
52.5°	1069.0	1069.0	1070.9	1074.8	1070.9	1069.0	1069.0	1070.9	1007.8	994.4	990.6
55°	1005.9	1007.8	1021.2	1025.0	1021.2	1007.8	1005.9	1005.9	948.5	935.2	927.5
57.5°	940.9	940.9	950.5	950.5	950.5	940.9	940.9	937.1	881.6	870.1	866.3
60°	866.3	870.1	877.8	875.9	877.8	870.1	866.3	862.5	814.7	807.0	793.6
62.5°	787.9	791.7	793.6	789.8	793.6	791.7	787.9	776.4	747.7	742.0	724.8
65°	705.7	709.5	711.4	707.6	711.4	709.5	705.7	699.9	678.9	669.3	654.0
67.5°	621.5	619.6	617.7	625.4	617.7	619.6	621.5	613.9	600.5	592.8	571.8
70°	535.5	535.5	533.6	537.4	533.6	535.5	535.5	529.7	522.1	516.3	497.2
72.5°	443.7	441.8	449.4	443.7	449.4	441.8	443.7	441.8	437.9	432.2	413.1
75°	353.8	357.6	353.8	359.5	353.8	357.6	353.8	355.7	353.8	350.0	336.6
77.5°	269.6	273.5	269.6	269.6	269.6	273.5	269.6	271.6	271.6	271.6	260.1
80°	191.2	189.3	189.3	187.4	189.3	189.3	191.2	191.2	193.2	189.3	185.5
82.5°	122.4	120.5	120.5	124.3	120.5	120.5	122.4	124.3	120.5	120.5	120.5
85°	66.9	68.8	65.0	65.0	65.0	68.8	66.9	63.1	66.9	66.9	65.0
87.5°	24.9	22.9	22.9	22.9	22.9	22.9	24.9	26.8	26.8	26.8	28.7
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.6	217.6	181.6	145.5	181.6	217.6	226.6	321.3	447.4	510.5	448.3
95°	769.4	742.0	632.8	523.6	632.8	742.0	769.4	1010.3	1331.5	1492.1	1260.2
97.5°	1776.0	1724.1	1516.2	1308.5	1516.2	1724.1	1776.0	1928.4	2131.4	2232.9	1846.2
100°	2494.0	2432.2	2184.6	1937.1	2184.6	2432.2	2494.0	2482.9	2468.1	2460.7	2031.5
102.5°	3107.1	3054.2	2842.1	2630.1	2842.1	3054.2	3107.1	2913.1	2654.5	2525.1	2089.9
105°	3822.9	3794.4	3680.4	3566.4	3680.4	3794.4	3822.9	3387.9	2808.0	2517.9	2096.5
107.5°	4195.0	4201.9	4229.4	4257.0	4229.4	4201.9	4195.0	3588.3	2779.3	2374.8	2003.2
110°	4290.4	4320.1	4438.8	4557.6	4438.8	4320.1	4290.4	3612.1	2707.7	2255.6	1920.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4229.5	4275.1	4457.5	4639.8	4457.5	4275.1	4229.5	3535.3	2609.7	2146.9	1848.2
115°	4023.2	4086.4	4339.3	4592.1	4339.3	4086.4	4023.2	3354.4	2462.8	2017.0	1765.4
117.5°	3738.1	3808.2	4088.7	4369.1	4088.7	3808.2	3738.1	3134.6	2329.9	1927.5	1713.6
120°	3546.1	3614.2	3886.7	4159.2	3886.7	3614.2	3546.1	2994.7	2259.4	1891.7	1696.1
122.5°	3354.0	3421.3	3690.0	3958.8	3690.0	3421.3	3354.0	2857.5	2195.3	1864.3	1687.0
125°	3100.0	3161.8	3409.5	3657.1	3409.5	3161.8	3100.0	2678.1	2115.7	1834.5	1679.4
127.5°	2896.0	2948.2	3157.2	3366.0	3157.2	2948.2	2896.0	2533.8	2050.8	1809.4	1675.1
130°	2767.2	2815.5	3008.5	3201.4	3008.5	2815.5	2767.2	2444.8	2014.8	1799.8	1677.6
132.5°	2657.5	2700.7	2873.5	3046.3	2873.5	2700.7	2657.5	2368.8	1983.9	1791.5	1679.5
135°	2502.5	2539.6	2688.6	2837.6	2688.6	2539.6	2502.5	2260.7	1938.4	1777.2	1677.8
137.5°	2387.9	2418.4	2540.3	2662.2	2540.3	2418.4	2387.9	2183.6	1911.1	1774.9	1688.2
140°	2296.1	2324.6	2438.6	2552.6	2438.6	2324.6	2296.1	2119.6	1884.2	1766.5	1689.9
142.5°	2231.7	2256.1	2354.2	2452.3	2354.2	2256.1	2231.7	2076.6	1869.8	1766.5	1696.0
145°	2135.1	2153.6	2227.8	2302.0	2227.8	2153.6	2135.1	2008.2	1839.0	1754.5	1696.0
147.5°	2053.9	2069.3	2130.8	2192.3	2130.8	2069.3	2053.9	1954.1	1821.1	1754.5	1707.7
150°	2007.4	2019.9	2069.8	2119.6	2069.8	2019.9	2007.4	1923.1	1810.7	1754.5	1713.7
152.5°	1970.4	1979.8	2017.5	2055.1	2017.5	1979.8	1970.4	1898.4	1802.5	1754.5	1717.7
155°	1926.3	1932.6	1957.5	1982.4	1957.5	1932.6	1926.3	1869.1	1792.7	1754.5	1726.4
157.5°	1888.2	1892.6	1910.0	1927.5	1910.0	1892.6	1888.2	1843.6	1784.3	1754.5	1735.2
160°	1869.1	1871.6	1881.7	1891.7	1881.7	1871.6	1869.1	1830.9	1780.0	1754.5	1739.1
162.5°	1851.2	1853.6	1863.0	1872.6	1863.0	1853.6	1851.2	1819.0	1776.0	1754.5	1743.4
165°	1823.7	1826.2	1836.4	1846.4	1836.4	1826.2	1823.7	1800.7	1769.9	1754.5	1749.5
167.5°	1811.8	1812.8	1817.1	1821.4	1817.1	1812.8	1811.8	1796.7	1776.5	1766.5	1762.3
170°	1811.8	1811.8	1811.8	1811.8	1811.8	1811.8	1811.8	1796.7	1776.5	1766.5	1766.2
172.5°	1802.2	1801.3	1797.6	1793.9	1797.6	1801.3	1802.2	1790.3	1774.4	1766.5	1766.5
175°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1781.6	1771.5	1766.5	1768.9
177.5°	1786.7	1785.7	1781.4	1777.2	1781.4	1785.7	1786.7	1780.8	1772.9	1768.9	1770.7
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	1996.4	2006.0	2011.7	2019.4	2038.5
5°	1919.9	1956.3	1967.7	1996.4	2030.9
7.5°	1751.6	1862.6	1893.2	1962.0	2015.6
10°	1589.1	1700.0	1753.6	1916.1	1996.4
12.5°	1506.9	1571.9	1608.2	1835.8	1969.7
15°	1455.2	1501.1	1527.9	1728.7	1939.1
17.5°	1415.1	1447.6	1466.7	1623.5	1897.0
20°	1390.2	1405.5	1422.7	1547.0	1849.2
22.5°	1373.0	1363.4	1376.8	1493.5	1784.2
25°	1361.5	1325.2	1340.5	1451.4	1707.7
27.5°	1371.1	1290.8	1296.5	1413.2	1627.3
30°	1373.0	1248.7	1250.6	1373.0	1537.5
32.5°	1359.6	1204.7	1206.6	1323.3	1436.1
35°	1327.1	1153.1	1151.2	1265.9	1298.4
37.5°	1283.1	1097.7	1097.7	1202.8	1147.3
40°	1229.6	1042.3	1048.0	1120.7	1013.6
42.5°	1164.5	983.0	990.6	1011.7	914.1
45°	1093.9	925.6	931.3	854.8	837.6
47.5°	1015.5	866.3	868.2	709.5	812.8
50°	921.8	805.1	797.5	608.1	810.9
52.5°	839.5	738.2	715.2	550.8	736.3
55°	759.2	667.4	617.7	506.8	682.7
57.5°	688.5	575.6	527.8	455.1	671.2
60°	623.4	485.7	449.4	399.7	615.8
62.5°	569.9	418.8	411.2	361.4	558.4
65°	512.5	372.9	371.0	328.9	474.3
67.5°	457.1	342.3	340.4	298.3	361.4
70°	397.8	309.8	306.0	265.8	267.7
72.5°	336.6	273.5	269.6	239.0	221.8
75°	275.4	231.4	229.5	208.5	179.8
77.5°	216.1	183.6	187.4	168.3	132.0
80°	154.9	133.9	137.7	120.5	99.4
82.5°	103.3	88.0	91.8	76.5	66.9
85°	57.4	49.7	51.6	40.2	30.6
87.5°	26.8	22.9	22.9	15.3	9.6
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.7	230.3	210.0	128.8	47.7
95°	796.3	448.5	411.4	263.0	114.6
97.5°	1072.8	492.6	459.9	328.9	198.0
100°	1173.3	529.6	499.9	381.1	262.4
102.5°	1219.4	566.5	538.8	428.1	317.3
105°	1253.6	621.4	598.0	504.1	410.3
107.5°	1260.0	702.5	680.6	593.2	505.7
110°	1250.4	747.8	728.1	649.2	570.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1250.8	802.7	783.9	708.6	633.4
115°	1262.4	885.1	867.6	798.2	728.8
117.5°	1285.8	965.0	949.2	886.1	823.0
120°	1304.9	1011.5	996.6	937.3	877.9
122.5°	1332.4	1066.3	1051.3	991.5	931.5
125°	1369.3	1136.7	1123.0	1068.5	1013.9
127.5°	1406.3	1204.7	1190.9	1135.8	1080.7
130°	1433.3	1250.0	1235.2	1175.8	1116.5
132.5°	1455.2	1287.0	1272.2	1212.8	1153.5
135°	1479.0	1330.0	1316.5	1262.4	1208.2
137.5°	1514.8	1384.8	1371.4	1317.9	1264.4
140°	1536.7	1421.8	1409.4	1360.2	1310.8
142.5°	1555.0	1449.2	1437.8	1392.2	1346.6
145°	1578.9	1491.0	1481.0	1441.3	1401.5
147.5°	1613.9	1543.5	1533.8	1495.1	1456.4
150°	1632.0	1570.8	1562.1	1527.1	1492.1
152.5°	1644.1	1588.8	1582.2	1555.6	1529.1
155°	1670.3	1628.1	1623.2	1603.6	1584.0
157.5°	1696.5	1667.5	1662.7	1643.7	1624.6
160°	1708.4	1685.4	1681.7	1666.8	1652.0
162.5°	1721.1	1704.5	1701.7	1690.5	1679.5
165°	1739.4	1731.9	1729.4	1719.2	1709.2
167.5°	1753.8	1747.4	1746.2	1741.4	1736.6
170°	1765.7	1765.3	1764.1	1759.3	1754.5
172.5°	1766.5	1766.5	1766.2	1765.1	1764.1
175°	1773.6	1777.2	1777.2	1777.2	1777.2
177.5°	1774.4	1777.2	1777.2	1777.2	1777.2
180°	1777.2	1777.2	1777.2	1777.2	1777.2



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.54	11.26	11.65	12.36	13.87	13.38	14.10	14.49	15.20	16.71
	3H	11.01	11.65	12.12	12.76	14.29	14.72	15.36	15.83	16.47	18.00
	4H	11.19	11.80	12.32	12.91	14.45	15.16	15.77	16.28	16.87	18.41
	6H	11.31	11.86	12.44	12.98	14.53	15.44	16.00	16.57	17.11	18.66
	8H	11.30	11.83	12.44	12.96	14.50	15.51	16.04	16.64	17.17	18.71
	12H	11.27	11.77	12.41	12.89	14.46	15.54	16.05	16.68	17.17	18.73
4H	2H	11.56	12.17	12.69	13.28	14.81	13.77	14.38	14.90	15.49	17.03
	3H	12.57	13.08	13.71	14.22	15.77	15.27	15.77	16.40	16.91	18.46
	4H	12.84	13.31	13.98	14.43	16.00	15.79	16.26	16.93	17.38	18.95
	6H	12.96	13.36	14.11	14.51	16.07	16.15	16.55	17.29	17.70	19.26
	8H	12.96	13.33	14.11	14.47	16.05	16.25	16.63	17.40	17.76	19.34
	12H	12.92	13.26	14.08	14.41	15.99	16.30	16.64	17.47	17.79	19.38
8H	4H	13.29	13.66	14.43	14.80	16.38	15.90	16.27	17.05	17.41	18.99
	6H	13.54	13.85	14.71	15.03	16.60	16.34	16.64	17.50	17.82	19.40
	8H	13.58	13.85	14.75	15.01	16.61	16.49	16.76	17.66	17.91	19.51
	12H	13.56	13.80	14.73	14.95	16.58	16.58	16.82	17.75	17.97	19.60
12H	4H	13.29	13.62	14.45	14.77	16.36	15.86	16.20	17.02	17.35	18.93
	6H	13.60	13.87	14.77	15.03	16.63	16.33	16.60	17.50	17.76	19.35
	8H	13.66	13.90	14.84	15.05	16.68	16.49	16.72	17.66	17.88	19.51