

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: P935966

Luminaire Tested: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935966
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-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

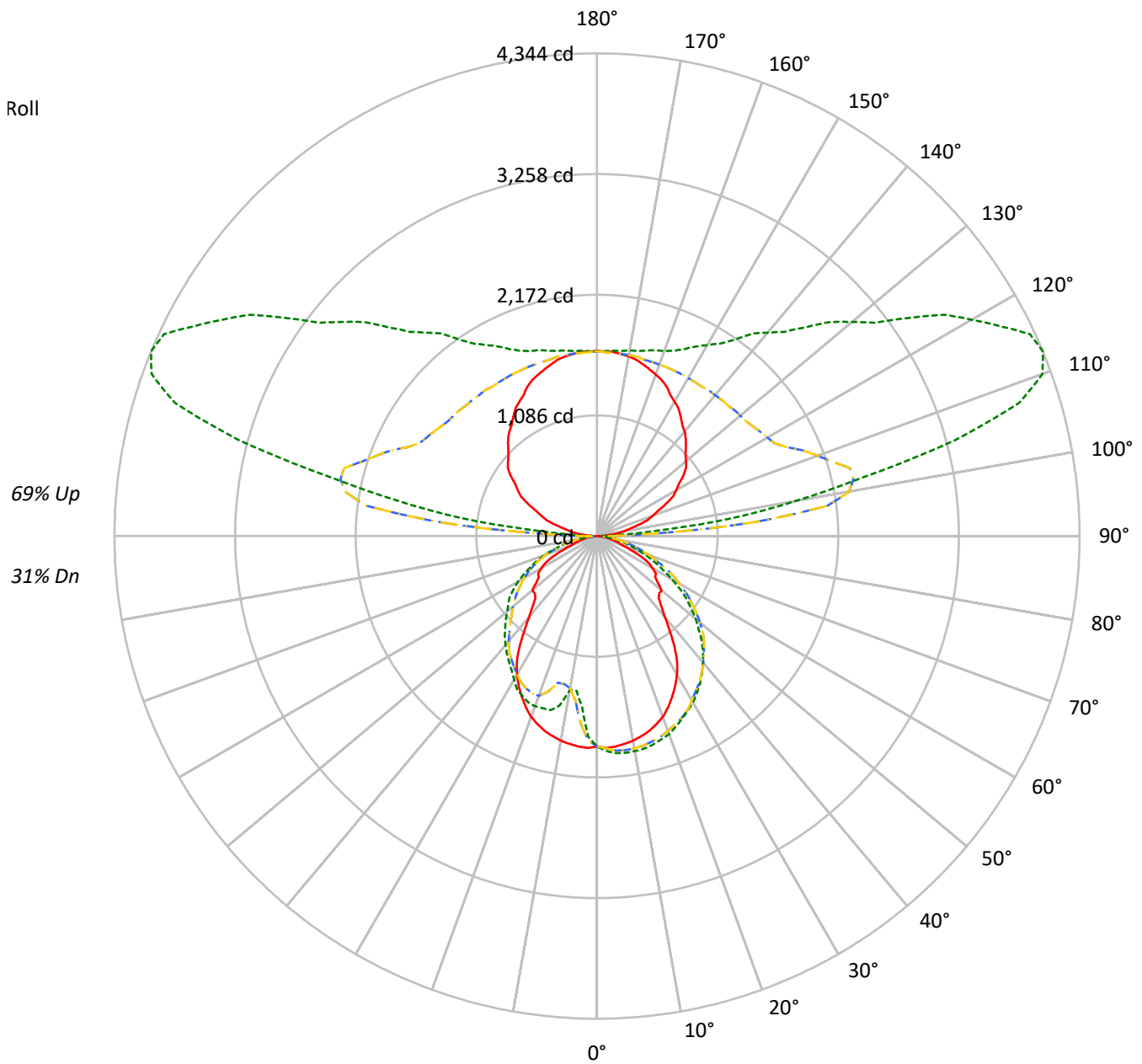
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15701.1 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: 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	
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8781	8781	8781	8781
5°	8847	8864	8847	6969
10°	8787	8731	8787	6242
15°	8692	8542	8692	7133
20°	8510	8318	8510	7148
25°	8138	7991	8138	6996
30°	7657	7720	7657	6664
35°	6826	7376	6826	6298
40°	5688	6972	5688	6022
45°	5083	6499	5083	5705
50°	5399	5935	5399	5386
55°	5081	5328	5081	5202
60°	5237	4525	5237	4764
65°	4748	3741	4748	4181
70°	3288	2981	3288	3505
75°	2882	2203	2882	2638
80°	2323	1457	2323	1587
85°	1332	771	1332	656

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7789 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	1.1
10°-20°	485.1	3.1
20°-30°	749.8	4.8
30°-40°	895.1	5.7
40°-50°	900.4	5.7
50°-60°	783.5	5.0
60°-70°	555.5	3.5
70°-80°	293.9	1.9
80°-90°	79.5	0.5
90°-100°	811.2	5.2
100°-110°	2132.6	13.6
110°-120°	2211.2	14.1
120°-130°	1773.7	11.3
130°-140°	1391.7	8.9
140°-150°	1068.2	6.8
150°-160°	769.3	4.9
160°-170°	470.7	3.0
170°-180°	159.0	1.0
0°-30°	1405.7	9.0
0°-40°	2300.8	14.7
0°-60°	3984.6	25.4
0°-90°	4913.6	31.3
90°-120°	5155.0	32.8
90°-150°	9388.5	59.8
90°-180°	10788.0	68.7
0°-180°	15701.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1893	1893	1893	1893	1893	
5°	1902	1961	1902	1542	1902	180
15°	1816	1943	1816	1622	1816	511
25°	1599	1812	1599	1586	1599	734
35°	1216	1617	1216	1380	1216	752
45°	784	1332	784	1169	784	628
55°	639	983	639	960	639	587
65°	444	593	444	662	444	424
75°	168	281	168	337	168	177
85°	29	72	29	61	29	39
90°	11	42	11	42	11	10
95°	107	490	107	490	107	119
105°	384	3339	384	3339	384	407
115°	682	4300	682	4300	682	674
125°	949	3424	949	3424	949	843
135°	1131	2657	1131	2657	1131	875
145°	1312	2156	1312	2156	1312	822
155°	1483	1856	1483	1856	1483	681
165°	1600	1729	1600	1729	1600	452
175°	1664	1675	1664	1675	1664	158
180°	1664	1664	1664	1664	1664	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1908.7	1908.7	1919.5	1923.0	1923.0	1917.7	1912.3	1917.7	1933.8	1939.2	1937.4
5°	1901.6	1915.9	1935.6	1939.2	1942.7	1940.9	1937.4	1940.9	1958.9	1962.4	1964.2
7.5°	1887.2	1914.1	1939.2	1944.5	1949.9	1944.5	1942.7	1946.3	1964.2	1967.8	1967.8
10°	1869.3	1906.9	1935.6	1939.2	1944.5	1939.2	1939.2	1946.3	1964.2	1967.8	1969.6
12.5°	1844.3	1896.2	1923.0	1926.6	1933.8	1932.0	1930.2	1937.4	1955.3	1958.9	1958.9
15°	1815.6	1876.5	1901.6	1905.1	1917.7	1914.1	1914.1	1921.3	1940.9	1946.3	1944.5
17.5°	1776.2	1851.4	1880.1	1885.4	1894.4	1892.6	1894.4	1901.6	1919.5	1923.0	1924.8
20°	1731.4	1817.4	1851.4	1856.8	1865.7	1865.7	1865.7	1874.7	1892.6	1899.8	1899.8
22.5°	1670.6	1781.6	1817.4	1821.0	1831.7	1831.7	1835.3	1847.8	1864.0	1865.7	1865.7
25°	1598.9	1742.2	1772.6	1783.4	1794.1	1799.5	1804.9	1812.0	1817.4	1815.6	1817.4
27.5°	1523.7	1692.1	1731.4	1738.6	1752.9	1758.3	1765.5	1767.3	1769.0	1774.4	1770.8
30°	1439.6	1622.2	1681.3	1688.5	1711.7	1715.3	1708.2	1711.7	1720.7	1724.3	1727.9
32.5°	1344.7	1518.4	1629.4	1645.5	1667.0	1656.2	1654.4	1659.8	1674.1	1674.1	1677.7
35°	1215.7	1437.8	1581.0	1595.4	1611.5	1598.9	1606.1	1607.9	1616.8	1622.2	1620.4
37.5°	1074.3	1367.9	1530.9	1541.6	1554.2	1538.1	1548.8	1554.2	1561.3	1557.8	1557.8
40°	949.0	1258.7	1471.8	1479.0	1489.7	1477.2	1487.9	1491.5	1495.1	1491.5	1489.7
42.5°	855.9	1138.7	1409.1	1418.1	1410.9	1419.9	1423.5	1430.6	1425.2	1418.1	1418.1
45°	784.3	1106.5	1341.1	1351.8	1341.1	1355.4	1360.8	1360.8	1344.7	1341.1	1339.3
47.5°	761.0	1042.1	1273.0	1273.0	1267.7	1285.6	1294.5	1282.0	1265.9	1260.5	1260.5
50°	759.2	970.5	1179.9	1172.8	1197.8	1219.3	1210.4	1197.8	1185.3	1165.6	1165.6
52.5°	689.4	882.8	1060.0	1086.8	1126.2	1138.7	1124.4	1111.9	1090.4	1081.4	1074.3
55°	639.3	791.5	950.8	1004.5	1045.7	1061.8	1035.0	1022.4	990.2	984.8	981.3
57.5°	628.5	658.9	850.5	918.6	968.7	966.9	950.8	927.5	900.7	895.3	893.5
60°	576.6	476.3	743.1	823.7	875.6	870.2	855.9	834.4	809.4	805.8	802.2
62.5°	522.9	345.6	621.3	712.7	786.1	784.3	771.8	739.5	721.6	712.7	705.5
65°	444.1	290.1	442.3	592.7	698.3	701.9	675.1	651.8	632.1	621.3	619.6
67.5°	338.4	236.4	299.0	494.2	614.2	610.6	576.6	565.8	540.8	535.4	524.7
70°	250.7	157.6	207.7	401.1	531.8	522.9	496.0	483.5	460.2	447.7	440.5
72.5°	207.7	127.1	152.2	311.6	447.7	436.9	413.6	399.3	379.6	368.9	361.7
75°	168.3	134.3	116.4	231.0	363.5	356.3	334.8	320.5	304.4	290.1	291.9
77.5°	123.6	125.3	93.1	170.1	288.3	277.5	265.0	247.1	239.9	225.6	225.6
80°	93.1	98.5	69.8	116.4	207.7	207.7	197.0	184.4	171.9	164.7	164.7
82.5°	62.7	62.7	51.9	73.4	141.5	136.1	128.9	125.3	118.2	114.6	114.6
85°	28.6	35.8	32.2	44.8	77.0	80.6	80.6	77.0	75.2	71.6	73.4
87.5°	9.0	16.1	19.7	25.1	39.4	41.2	43.0	43.0	43.0	44.8	44.8
90°	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6	42.4	42.4
92.5°	44.7	120.6	196.6	215.6	303.1	419.7	478.0	418.9	300.8	212.2	203.8
95°	107.3	246.2	385.2	419.9	745.6	1179.9	1397.1	1246.7	946.0	720.4	694.8
97.5°	185.4	308.0	430.6	461.3	1004.5	1728.7	2090.7	1995.7	1805.6	1663.0	1614.3
100°	245.7	356.9	468.1	495.9	1098.6	1902.2	2304.0	2311.0	2324.9	2335.2	2277.3
102.5°	297.1	400.8	504.5	530.5	1141.8	1956.8	2364.3	2485.5	2727.7	2909.3	2859.7
105°	384.2	472.0	559.9	581.9	1173.8	1963.0	2357.6	2629.2	3172.2	3579.5	3552.8
107.5°	473.5	555.5	637.3	657.8	1179.8	1875.7	2223.6	2602.3	3359.8	3927.9	3934.4
110°	533.9	607.8	681.8	700.2	1170.8	1798.2	2112.0	2535.3	3382.1	4017.3	4045.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	593.1	663.5	734.0	751.6	1171.2	1730.5	2010.2	2443.6	3310.2	3960.2	4002.9
115°	682.4	747.4	812.4	828.7	1182.0	1653.0	1888.6	2306.0	3140.8	3767.0	3826.2
117.5°	770.6	829.7	888.8	903.5	1203.9	1604.5	1804.8	2181.5	2935.0	3500.1	3565.8
120°	822.0	877.6	933.2	947.1	1221.8	1588.1	1771.3	2115.5	2804.0	3320.4	3384.1
122.5°	872.2	928.3	984.4	998.5	1247.5	1579.6	1745.6	2055.5	2675.6	3140.5	3203.4
125°	949.3	1000.4	1051.5	1064.3	1282.1	1572.4	1717.7	1981.0	2507.6	2902.6	2960.5
127.5°	1011.9	1063.5	1115.1	1128.0	1316.7	1568.4	1694.2	1920.3	2372.5	2711.6	2760.5
130°	1045.4	1101.0	1156.6	1170.4	1342.1	1570.8	1685.2	1886.5	2289.1	2591.0	2636.2
132.5°	1080.0	1135.6	1191.2	1205.1	1362.6	1572.5	1677.5	1857.6	2218.0	2488.3	2528.7
135°	1131.3	1182.0	1232.7	1245.3	1384.9	1571.0	1664.0	1815.0	2116.8	2343.1	2377.9
137.5°	1183.9	1234.0	1284.1	1296.6	1418.4	1580.7	1661.9	1789.5	2044.5	2235.9	2264.4
140°	1227.4	1273.6	1319.7	1331.2	1438.9	1582.3	1654.0	1764.2	1984.6	2149.9	2176.6
142.5°	1260.9	1303.6	1346.3	1356.9	1456.0	1588.0	1654.0	1750.8	1944.3	2089.6	2112.5
145°	1312.3	1349.5	1386.7	1396.1	1478.3	1588.0	1642.8	1722.0	1880.3	1999.1	2016.5
147.5°	1363.6	1399.9	1436.2	1445.2	1511.1	1598.9	1642.8	1705.1	1829.7	1923.1	1937.5
150°	1397.1	1429.9	1462.7	1470.8	1528.1	1604.6	1642.8	1695.5	1800.7	1879.6	1891.3
152.5°	1431.8	1456.6	1481.5	1487.7	1539.4	1608.3	1642.8	1687.8	1777.6	1845.0	1853.7
155°	1483.2	1501.5	1519.9	1524.4	1563.9	1616.5	1642.8	1678.5	1750.1	1803.7	1809.5
157.5°	1521.1	1539.0	1556.9	1561.3	1588.5	1624.7	1642.8	1670.7	1726.3	1768.0	1772.1
160°	1546.8	1560.7	1574.6	1578.1	1599.7	1628.4	1642.8	1666.6	1714.3	1750.1	1752.4
162.5°	1572.5	1582.9	1593.4	1596.0	1611.6	1632.4	1642.8	1663.0	1703.2	1733.3	1735.6
165°	1600.4	1609.8	1619.3	1621.6	1628.7	1638.1	1642.8	1657.2	1686.1	1707.6	1710.0
167.5°	1626.1	1630.5	1635.0	1636.2	1642.1	1650.1	1654.0	1663.4	1682.3	1696.4	1697.4
170°	1642.8	1647.3	1651.8	1652.9	1653.3	1653.7	1654.0	1663.4	1682.3	1696.4	1696.4
172.5°	1651.8	1652.7	1653.7	1654.0	1654.0	1654.0	1654.0	1661.4	1676.3	1687.5	1686.6
175°	1664.0	1664.0	1664.0	1664.0	1660.7	1656.2	1654.0	1658.7	1668.1	1675.2	1675.2
177.5°	1664.0	1664.0	1664.0	1664.0	1661.4	1657.9	1656.2	1660.0	1667.4	1673.0	1672.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1940.9	1935.6	1940.9	1937.4	1939.2	1933.8	1917.7	1912.3	1917.7	1923.0	1923.0
5°	1964.2	1960.6	1964.2	1964.2	1962.4	1958.9	1940.9	1937.4	1940.9	1942.7	1939.2
7.5°	1971.4	1966.0	1971.4	1967.8	1967.8	1964.2	1946.3	1942.7	1944.5	1949.9	1944.5
10°	1971.4	1966.0	1971.4	1969.6	1967.8	1964.2	1946.3	1939.2	1939.2	1944.5	1939.2
12.5°	1962.4	1958.9	1962.4	1958.9	1958.9	1955.3	1937.4	1930.2	1932.0	1933.8	1926.6
15°	1948.1	1942.7	1948.1	1944.5	1946.3	1940.9	1921.3	1914.1	1914.1	1917.7	1905.1
17.5°	1926.6	1919.5	1926.6	1924.8	1923.0	1919.5	1901.6	1894.4	1892.6	1894.4	1885.4
20°	1901.6	1896.2	1901.6	1899.8	1899.8	1892.6	1874.7	1865.7	1865.7	1865.7	1856.8
22.5°	1862.2	1856.8	1862.2	1865.7	1865.7	1864.0	1847.8	1835.3	1831.7	1831.7	1821.0
25°	1817.4	1812.0	1817.4	1817.4	1815.6	1817.4	1812.0	1804.9	1799.5	1794.1	1783.4
27.5°	1774.4	1770.8	1774.4	1770.8	1774.4	1769.0	1767.3	1765.5	1758.3	1752.9	1738.6
30°	1731.4	1727.9	1731.4	1727.9	1724.3	1720.7	1711.7	1708.2	1715.3	1711.7	1688.5
32.5°	1677.7	1674.1	1677.7	1677.7	1674.1	1674.1	1659.8	1654.4	1656.2	1667.0	1645.5
35°	1622.2	1616.8	1622.2	1620.4	1622.2	1616.8	1607.9	1606.1	1598.9	1611.5	1595.4
37.5°	1557.8	1552.4	1557.8	1557.8	1557.8	1561.3	1554.2	1548.8	1538.1	1554.2	1541.6
40°	1491.5	1484.3	1491.5	1489.7	1491.5	1495.1	1491.5	1487.9	1477.2	1489.7	1479.0
42.5°	1416.3	1414.5	1416.3	1418.1	1418.1	1425.2	1430.6	1423.5	1419.9	1410.9	1418.1
45°	1335.7	1332.1	1335.7	1339.3	1341.1	1344.7	1360.8	1360.8	1355.4	1341.1	1351.8
47.5°	1249.8	1240.8	1249.8	1260.5	1260.5	1265.9	1282.0	1294.5	1285.6	1267.7	1273.0
50°	1158.4	1160.2	1158.4	1165.6	1165.6	1185.3	1197.8	1210.4	1219.3	1197.8	1172.8
52.5°	1068.9	1067.2	1068.9	1074.3	1081.4	1090.4	1111.9	1124.4	1138.7	1126.2	1086.8
55°	979.5	983.1	979.5	981.3	984.8	990.2	1022.4	1035.0	1061.8	1045.7	1004.5
57.5°	889.9	884.6	889.9	893.5	895.3	900.7	927.5	950.8	966.9	968.7	918.6
60°	786.1	778.9	786.1	802.2	805.8	809.4	834.4	855.9	870.2	875.6	823.7
62.5°	694.8	682.2	694.8	705.5	712.7	721.6	739.5	771.8	784.3	786.1	712.7
65°	598.1	592.7	598.1	619.6	621.3	632.1	651.8	675.1	701.9	698.3	592.7
67.5°	510.3	510.3	510.3	524.7	535.4	540.8	565.8	576.6	610.6	614.2	494.2
70°	429.7	428.0	429.7	440.5	447.7	460.2	483.5	496.0	522.9	531.8	401.1
72.5°	352.8	351.0	352.8	361.7	368.9	379.6	399.3	413.6	436.9	447.7	311.6
75°	284.7	281.1	284.7	291.9	290.1	304.4	320.5	334.8	356.3	363.5	231.0
77.5°	218.5	218.5	218.5	225.6	225.6	239.9	247.1	265.0	277.5	288.3	170.1
80°	162.9	161.2	162.9	164.7	164.7	171.9	184.4	197.0	207.7	207.7	116.4
82.5°	114.6	111.0	114.6	114.6	114.6	118.2	125.3	128.9	136.1	141.5	73.4
85°	71.6	71.6	71.6	73.4	71.6	75.2	77.0	80.6	80.6	77.0	44.8
87.5°	46.6	44.8	46.6	44.8	44.8	43.0	43.0	43.0	41.2	39.4	25.1
90°	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0	49.2	31.2
92.5°	170.0	136.3	170.0	203.8	212.2	300.8	418.9	478.0	419.7	303.1	215.6
95°	592.5	490.3	592.5	694.8	720.4	946.0	1246.7	1397.1	1179.9	745.6	419.9
97.5°	1419.7	1225.1	1419.7	1614.3	1663.0	1805.6	1995.7	2090.7	1728.7	1004.5	461.3
100°	2045.5	1813.7	2045.5	2277.3	2335.2	2324.9	2311.0	2304.0	1902.2	1098.6	495.9
102.5°	2661.1	2462.6	2661.1	2859.7	2909.3	2727.7	2485.5	2364.3	1956.8	1141.8	530.5
105°	3446.1	3339.3	3446.1	3552.8	3579.5	3172.2	2629.2	2357.6	1963.0	1173.8	581.9
107.5°	3960.1	3985.9	3960.1	3934.4	3927.9	3359.8	2602.3	2223.6	1875.7	1179.8	657.8
110°	4156.2	4267.4	4156.2	4045.0	4017.3	3382.1	2535.3	2112.0	1798.2	1170.8	700.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4173.7	4344.4	4173.7	4002.9	3960.2	3310.2	2443.6	2010.2	1730.5	1171.2	751.6
115°	4063.0	4299.7	4063.0	3826.2	3767.0	3140.8	2306.0	1888.6	1653.0	1182.0	828.7
117.5°	3828.4	4090.9	3828.4	3565.8	3500.1	2935.0	2181.5	1804.8	1604.5	1203.9	903.5
120°	3639.3	3894.3	3639.3	3384.1	3320.4	2804.0	2115.5	1771.3	1588.1	1221.8	947.1
122.5°	3455.1	3706.8	3455.1	3203.4	3140.5	2675.6	2055.5	1745.6	1579.6	1247.5	998.5
125°	3192.4	3424.2	3192.4	2960.5	2902.6	2507.6	1981.0	1717.7	1572.4	1282.1	1064.3
127.5°	2956.1	3151.7	2956.1	2760.5	2711.6	2372.5	1920.3	1694.2	1568.4	1316.7	1128.0
130°	2816.9	2997.6	2816.9	2636.2	2591.0	2289.1	1886.5	1685.2	1570.8	1342.1	1170.4
132.5°	2690.5	2852.4	2690.5	2528.7	2488.3	2218.0	1857.6	1677.5	1572.5	1362.6	1205.1
135°	2517.4	2656.9	2517.4	2377.9	2343.1	2116.8	1815.0	1664.0	1571.0	1384.9	1245.3
137.5°	2378.6	2492.7	2378.6	2264.4	2235.9	2044.5	1789.5	1661.9	1580.7	1418.4	1296.6
140°	2283.3	2390.0	2283.3	2176.6	2149.9	1984.6	1764.2	1654.0	1582.3	1438.9	1331.2
142.5°	2204.3	2296.2	2204.3	2112.5	2089.6	1944.3	1750.8	1654.0	1588.0	1456.0	1356.9
145°	2086.0	2155.5	2086.0	2016.5	1999.1	1880.3	1722.0	1642.8	1588.0	1478.3	1396.1
147.5°	1995.1	2052.7	1995.1	1937.5	1923.1	1829.7	1705.1	1642.8	1598.9	1511.1	1445.2
150°	1938.0	1984.6	1938.0	1891.3	1879.6	1800.7	1695.5	1642.8	1604.6	1528.1	1470.8
152.5°	1889.0	1924.3	1889.0	1853.7	1845.0	1777.6	1687.8	1642.8	1608.3	1539.4	1487.7
155°	1832.9	1856.2	1832.9	1809.5	1803.7	1750.1	1678.5	1642.8	1616.5	1563.9	1524.4
157.5°	1788.4	1804.8	1788.4	1772.1	1768.0	1726.3	1670.7	1642.8	1624.7	1588.5	1561.3
160°	1761.9	1771.3	1761.9	1752.4	1750.1	1714.3	1666.6	1642.8	1628.4	1599.7	1578.1
162.5°	1744.4	1753.4	1744.4	1735.6	1733.3	1703.2	1663.0	1642.8	1632.4	1611.6	1596.0
165°	1719.4	1728.8	1719.4	1710.0	1707.6	1686.1	1657.2	1642.8	1638.1	1628.7	1621.6
167.5°	1701.5	1705.4	1701.5	1697.4	1696.4	1682.3	1663.4	1654.0	1650.1	1642.1	1636.2
170°	1696.4	1696.4	1696.4	1696.4	1696.4	1682.3	1663.4	1654.0	1653.7	1653.3	1652.9
172.5°	1683.2	1679.7	1683.2	1686.6	1687.5	1676.3	1661.4	1654.0	1654.0	1654.0	1654.0
175°	1675.2	1675.2	1675.2	1675.2	1675.2	1668.1	1658.7	1654.0	1656.2	1660.7	1664.0
177.5°	1668.0	1664.0	1668.0	1672.0	1673.0	1667.4	1660.0	1656.2	1657.9	1661.4	1664.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



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CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1919.5	1908.7	1908.7	1890.8	1883.6	1878.3	1869.3	1842.5	1835.3	1828.1	1838.9
5°	1935.6	1915.9	1901.6	1869.3	1842.5	1831.7	1797.7	1733.2	1690.3	1658.0	1640.1
7.5°	1939.2	1914.1	1887.2	1837.1	1772.6	1744.0	1640.1	1521.9	1489.7	1461.1	1443.2
10°	1935.6	1906.9	1869.3	1794.1	1641.9	1591.8	1487.9	1410.9	1391.2	1385.9	1391.2
12.5°	1923.0	1896.2	1844.3	1718.9	1505.8	1471.8	1410.9	1366.2	1362.6	1371.5	1419.9
15°	1901.6	1876.5	1815.6	1618.6	1430.6	1405.6	1362.6	1346.5	1366.2	1428.8	1573.9
17.5°	1880.1	1851.4	1776.2	1520.2	1373.3	1355.4	1325.0	1357.2	1468.2	1552.4	1600.7
20°	1851.4	1817.4	1731.4	1448.5	1332.1	1316.0	1301.7	1446.7	1530.9	1561.3	1588.2
22.5°	1817.4	1781.6	1670.6	1398.4	1289.2	1276.6	1285.6	1496.9	1530.9	1552.4	1575.7
25°	1772.6	1742.2	1598.9	1359.0	1255.1	1240.8	1274.8	1491.5	1511.2	1516.6	1563.1
27.5°	1731.4	1692.1	1523.7	1323.2	1214.0	1208.6	1283.8	1468.2	1482.5	1487.9	1538.1
30°	1681.3	1622.2	1439.6	1285.6	1171.0	1169.2	1285.6	1439.6	1436.0	1450.3	1500.5
32.5°	1629.4	1518.4	1344.7	1239.0	1129.8	1128.0	1273.0	1396.6	1393.0	1412.7	1450.3
35°	1581.0	1437.8	1215.7	1185.3	1077.9	1079.7	1242.6	1346.5	1348.3	1366.2	1389.4
37.5°	1530.9	1367.9	1074.3	1126.2	1027.8	1027.8	1201.4	1299.9	1296.3	1301.7	1333.9
40°	1471.8	1258.7	949.0	1049.3	981.3	975.9	1151.3	1249.8	1237.2	1235.4	1280.2
42.5°	1409.1	1138.7	855.9	947.2	927.5	920.4	1090.4	1188.9	1165.6	1171.0	1228.3
45°	1341.1	1106.5	784.3	800.4	872.0	866.7	1024.2	1119.1	1102.9	1117.3	1176.4
47.5°	1273.0	1042.1	761.0	664.3	812.9	811.2	950.8	1051.1	1042.1	1056.5	1119.1
50°	1179.9	970.5	759.2	569.4	746.7	753.9	863.1	984.8	984.8	997.4	1063.6
52.5°	1060.0	882.8	689.4	515.7	669.7	691.2	786.1	927.5	931.1	943.7	1002.7
55°	950.8	791.5	639.3	474.5	578.4	624.9	710.9	868.5	875.6	888.1	941.9
57.5°	850.5	658.9	628.5	426.2	494.2	539.0	644.6	811.2	814.7	825.5	877.4
60°	743.1	476.3	576.6	374.2	420.8	454.8	583.7	743.1	755.6	762.8	807.6
62.5°	621.3	345.6	522.9	338.4	385.0	392.1	533.6	678.6	694.8	700.1	727.0
65°	442.3	290.1	444.1	308.0	347.4	349.2	479.9	612.4	626.7	635.7	655.4
67.5°	299.0	236.4	338.4	279.3	318.7	320.5	428.0	535.4	555.1	562.3	574.8
70°	207.7	157.6	250.7	248.9	286.5	290.1	372.4	465.6	483.5	488.8	496.0
72.5°	152.2	127.1	207.7	223.8	252.5	256.1	315.1	386.8	404.7	410.1	413.6
75°	116.4	134.3	168.3	195.2	214.9	216.7	257.8	315.1	327.7	331.3	333.1
77.5°	93.1	125.3	123.6	157.6	175.5	171.9	202.3	243.5	254.3	254.3	254.3
80°	69.8	98.5	93.1	112.8	128.9	125.3	145.0	173.7	177.3	180.9	179.1
82.5°	51.9	62.7	62.7	71.6	85.9	82.4	96.7	112.8	112.8	112.8	116.4
85°	32.2	35.8	28.6	37.6	48.3	46.6	53.7	60.9	62.7	62.7	59.1
87.5°	19.7	16.1	9.0	14.3	21.5	21.5	25.1	26.9	25.1	25.1	25.1
90°	29.0	20.1	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6
92.5°	196.6	120.6	44.7	120.6	196.6	215.6	303.1	419.7	478.0	418.9	300.8
95°	385.2	246.2	107.3	246.2	385.2	419.9	745.6	1179.9	1397.1	1246.7	946.0
97.5°	430.6	308.0	185.4	308.0	430.6	461.3	1004.5	1728.7	2090.7	1995.7	1805.6
100°	468.1	356.9	245.7	356.9	468.1	495.9	1098.6	1902.2	2304.0	2311.0	2324.9
102.5°	504.5	400.8	297.1	400.8	504.5	530.5	1141.8	1956.8	2364.3	2485.5	2727.7
105°	559.9	472.0	384.2	472.0	559.9	581.9	1173.8	1963.0	2357.6	2629.2	3172.2
107.5°	637.3	555.5	473.5	555.5	637.3	657.8	1179.8	1875.7	2223.6	2602.3	3359.8
110°	681.8	607.8	533.9	607.8	681.8	700.2	1170.8	1798.2	2112.0	2535.3	3382.1



TEST NUMBER: P935966

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	734.0	663.5	593.1	663.5	734.0	751.6	1171.2	1730.5	2010.2	2443.6	3310.2
115°	812.4	747.4	682.4	747.4	812.4	828.7	1182.0	1653.0	1888.6	2306.0	3140.8
117.5°	888.8	829.7	770.6	829.7	888.8	903.5	1203.9	1604.5	1804.8	2181.5	2935.0
120°	933.2	877.6	822.0	877.6	933.2	947.1	1221.8	1588.1	1771.3	2115.5	2804.0
122.5°	984.4	928.3	872.2	928.3	984.4	998.5	1247.5	1579.6	1745.6	2055.5	2675.6
125°	1051.5	1000.4	949.3	1000.4	1051.5	1064.3	1282.1	1572.4	1717.7	1981.0	2507.6
127.5°	1115.1	1063.5	1011.9	1063.5	1115.1	1128.0	1316.7	1568.4	1694.2	1920.3	2372.5
130°	1156.6	1101.0	1045.4	1101.0	1156.6	1170.4	1342.1	1570.8	1685.2	1886.5	2289.1
132.5°	1191.2	1135.6	1080.0	1135.6	1191.2	1205.1	1362.6	1572.5	1677.5	1857.6	2218.0
135°	1232.7	1182.0	1131.3	1182.0	1232.7	1245.3	1384.9	1571.0	1664.0	1815.0	2116.8
137.5°	1284.1	1234.0	1183.9	1234.0	1284.1	1296.6	1418.4	1580.7	1661.9	1789.5	2044.5
140°	1319.7	1273.6	1227.4	1273.6	1319.7	1331.2	1438.9	1582.3	1654.0	1764.2	1984.6
142.5°	1346.3	1303.6	1260.9	1303.6	1346.3	1356.9	1456.0	1588.0	1654.0	1750.8	1944.3
145°	1386.7	1349.5	1312.3	1349.5	1386.7	1396.1	1478.3	1588.0	1642.8	1722.0	1880.3
147.5°	1436.2	1399.9	1363.6	1399.9	1436.2	1445.2	1511.1	1598.9	1642.8	1705.1	1829.7
150°	1462.7	1429.9	1397.1	1429.9	1462.7	1470.8	1528.1	1604.6	1642.8	1695.5	1800.7
152.5°	1481.5	1456.6	1431.8	1456.6	1481.5	1487.7	1539.4	1608.3	1642.8	1687.8	1777.6
155°	1519.9	1501.5	1483.2	1501.5	1519.9	1524.4	1563.9	1616.5	1642.8	1678.5	1750.1
157.5°	1556.9	1539.0	1521.1	1539.0	1556.9	1561.3	1588.5	1624.7	1642.8	1670.7	1726.3
160°	1574.6	1560.7	1546.8	1560.7	1574.6	1578.1	1599.7	1628.4	1642.8	1666.6	1714.3
162.5°	1593.4	1582.9	1572.5	1582.9	1593.4	1596.0	1611.6	1632.4	1642.8	1663.0	1703.2
165°	1619.3	1609.8	1600.4	1609.8	1619.3	1621.6	1628.7	1638.1	1642.8	1657.2	1686.1
167.5°	1635.0	1630.5	1626.1	1630.5	1635.0	1636.2	1642.1	1650.1	1654.0	1663.4	1682.3
170°	1651.8	1647.3	1642.8	1647.3	1651.8	1652.9	1653.3	1653.7	1654.0	1663.4	1682.3
172.5°	1653.7	1652.7	1651.8	1652.7	1653.7	1654.0	1654.0	1654.0	1654.0	1661.4	1676.3
175°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1660.7	1656.2	1654.0	1658.7	1668.1
177.5°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1661.4	1657.9	1656.2	1660.0	1667.4
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P935966

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1826.3	1821.0	1828.1	1808.4	1828.1	1821.0	1826.3	1838.9	1828.1	1835.3	1842.5
5°	1602.5	1593.6	1564.9	1541.6	1564.9	1593.6	1602.5	1640.1	1658.0	1690.3	1733.2
7.5°	1432.4	1425.2	1418.1	1403.8	1418.1	1425.2	1432.4	1443.2	1461.1	1489.7	1521.9
10°	1394.8	1396.6	1407.3	1405.6	1407.3	1396.6	1394.8	1391.2	1385.9	1391.2	1410.9
12.5°	1491.5	1507.6	1566.7	1563.1	1566.7	1507.6	1491.5	1419.9	1371.5	1362.6	1366.2
15°	1602.5	1607.9	1620.4	1622.2	1620.4	1607.9	1602.5	1573.9	1428.8	1366.2	1346.5
17.5°	1613.3	1615.1	1624.0	1624.0	1624.0	1615.1	1613.3	1600.7	1552.4	1468.2	1357.2
20°	1604.3	1607.9	1625.8	1629.4	1625.8	1607.9	1604.3	1588.2	1561.3	1530.9	1446.7
22.5°	1600.7	1607.9	1622.2	1620.4	1622.2	1607.9	1600.7	1575.7	1552.4	1530.9	1496.9
25°	1582.8	1582.8	1584.6	1586.4	1584.6	1582.8	1582.8	1563.1	1516.6	1511.2	1491.5
27.5°	1545.2	1548.8	1559.5	1557.8	1559.5	1548.8	1545.2	1538.1	1487.9	1482.5	1468.2
30°	1511.2	1507.6	1498.7	1491.5	1498.7	1507.6	1511.2	1500.5	1450.3	1436.0	1439.6
32.5°	1453.9	1444.9	1436.0	1430.6	1436.0	1444.9	1453.9	1450.3	1412.7	1393.0	1396.6
35°	1385.9	1387.6	1385.9	1380.5	1385.9	1387.6	1385.9	1389.4	1366.2	1348.3	1346.5
37.5°	1337.5	1341.1	1339.3	1332.1	1339.3	1341.1	1337.5	1333.9	1301.7	1296.3	1299.9
40°	1287.4	1289.2	1287.4	1282.0	1287.4	1289.2	1287.4	1280.2	1235.4	1237.2	1249.8
42.5°	1239.0	1237.2	1231.9	1228.3	1231.9	1237.2	1239.0	1228.3	1171.0	1165.6	1188.9
45°	1183.5	1185.3	1174.6	1169.2	1174.6	1185.3	1183.5	1176.4	1117.3	1102.9	1119.1
47.5°	1128.0	1128.0	1119.1	1113.7	1119.1	1128.0	1128.0	1119.1	1056.5	1042.1	1051.1
50°	1068.9	1067.2	1054.7	1052.9	1054.7	1067.2	1068.9	1063.6	997.4	984.8	984.8
52.5°	1001.0	1001.0	1002.7	1006.3	1002.7	1001.0	1001.0	1002.7	943.7	931.1	927.5
55°	941.9	943.7	956.2	959.8	956.2	943.7	941.9	941.9	888.1	875.6	868.5
57.5°	881.0	881.0	889.9	889.9	889.9	881.0	881.0	877.4	825.5	814.7	811.2
60°	811.2	814.7	821.9	820.1	821.9	814.7	811.2	807.6	762.8	755.6	743.1
62.5°	737.7	741.3	743.1	739.5	743.1	741.3	737.7	727.0	700.1	694.8	678.6
65°	660.7	664.3	666.1	662.5	666.1	664.3	660.7	655.4	635.7	626.7	612.4
67.5°	582.0	580.2	578.4	585.5	578.4	580.2	582.0	574.8	562.3	555.1	535.4
70°	501.4	501.4	499.6	503.2	499.6	501.4	501.4	496.0	488.8	483.5	465.6
72.5°	415.4	413.6	420.8	415.4	420.8	413.6	415.4	413.6	410.1	404.7	386.8
75°	331.3	334.8	331.3	336.6	331.3	334.8	331.3	333.1	331.3	327.7	315.1
77.5°	252.5	256.1	252.5	252.5	252.5	256.1	252.5	254.3	254.3	254.3	243.5
80°	179.1	177.3	177.3	175.5	177.3	177.3	179.1	179.1	180.9	177.3	173.7
82.5°	114.6	112.8	112.8	116.4	112.8	112.8	114.6	116.4	112.8	112.8	112.8
85°	62.7	64.5	60.9	60.9	60.9	64.5	62.7	59.1	62.7	62.7	60.9
87.5°	23.3	21.5	21.5	21.5	21.5	21.5	23.3	25.1	25.1	25.1	26.9
90°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0
92.5°	212.2	203.8	170.0	136.3	170.0	203.8	212.2	300.8	418.9	478.0	419.7
95°	720.4	694.8	592.5	490.3	592.5	694.8	720.4	946.0	1246.7	1397.1	1179.9
97.5°	1663.0	1614.3	1419.7	1225.1	1419.7	1614.3	1663.0	1805.6	1995.7	2090.7	1728.7
100°	2335.2	2277.3	2045.5	1813.7	2045.5	2277.3	2335.2	2324.9	2311.0	2304.0	1902.2
102.5°	2909.3	2859.7	2661.1	2462.6	2661.1	2859.7	2909.3	2727.7	2485.5	2364.3	1956.8
105°	3579.5	3552.8	3446.1	3339.3	3446.1	3552.8	3579.5	3172.2	2629.2	2357.6	1963.0
107.5°	3927.9	3934.4	3960.1	3985.9	3960.1	3934.4	3927.9	3359.8	2602.3	2223.6	1875.7
110°	4017.3	4045.0	4156.2	4267.4	4156.2	4045.0	4017.3	3382.1	2535.3	2112.0	1798.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3960.2	4002.9	4173.7	4344.4	4173.7	4002.9	3960.2	3310.2	2443.6	2010.2	1730.5
115°	3767.0	3826.2	4063.0	4299.7	4063.0	3826.2	3767.0	3140.8	2306.0	1888.6	1653.0
117.5°	3500.1	3565.8	3828.4	4090.9	3828.4	3565.8	3500.1	2935.0	2181.5	1804.8	1604.5
120°	3320.4	3384.1	3639.3	3894.3	3639.3	3384.1	3320.4	2804.0	2115.5	1771.3	1588.1
122.5°	3140.5	3203.4	3455.1	3706.8	3455.1	3203.4	3140.5	2675.6	2055.5	1745.6	1579.6
125°	2902.6	2960.5	3192.4	3424.2	3192.4	2960.5	2902.6	2507.6	1981.0	1717.7	1572.4
127.5°	2711.6	2760.5	2956.1	3151.7	2956.1	2760.5	2711.6	2372.5	1920.3	1694.2	1568.4
130°	2591.0	2636.2	2816.9	2997.6	2816.9	2636.2	2591.0	2289.1	1886.5	1685.2	1570.8
132.5°	2488.3	2528.7	2690.5	2852.4	2690.5	2528.7	2488.3	2218.0	1857.6	1677.5	1572.5
135°	2343.1	2377.9	2517.4	2656.9	2517.4	2377.9	2343.1	2116.8	1815.0	1664.0	1571.0
137.5°	2235.9	2264.4	2378.6	2492.7	2378.6	2264.4	2235.9	2044.5	1789.5	1661.9	1580.7
140°	2149.9	2176.6	2283.3	2390.0	2283.3	2176.6	2149.9	1984.6	1764.2	1654.0	1582.3
142.5°	2089.6	2112.5	2204.3	2296.2	2204.3	2112.5	2089.6	1944.3	1750.8	1654.0	1588.0
145°	1999.1	2016.5	2086.0	2155.5	2086.0	2016.5	1999.1	1880.3	1722.0	1642.8	1588.0
147.5°	1923.1	1937.5	1995.1	2052.7	1995.1	1937.5	1923.1	1829.7	1705.1	1642.8	1598.9
150°	1879.6	1891.3	1938.0	1984.6	1938.0	1891.3	1879.6	1800.7	1695.5	1642.8	1604.6
152.5°	1845.0	1853.7	1889.0	1924.3	1889.0	1853.7	1845.0	1777.6	1687.8	1642.8	1608.3
155°	1803.7	1809.5	1832.9	1856.2	1832.9	1809.5	1803.7	1750.1	1678.5	1642.8	1616.5
157.5°	1768.0	1772.1	1788.4	1804.8	1788.4	1772.1	1768.0	1726.3	1670.7	1642.8	1624.7
160°	1750.1	1752.4	1761.9	1771.3	1761.9	1752.4	1750.1	1714.3	1666.6	1642.8	1628.4
162.5°	1733.3	1735.6	1744.4	1753.4	1744.4	1735.6	1733.3	1703.2	1663.0	1642.8	1632.4
165°	1707.6	1710.0	1719.4	1728.8	1719.4	1710.0	1707.6	1686.1	1657.2	1642.8	1638.1
167.5°	1696.4	1697.4	1701.5	1705.4	1701.5	1697.4	1696.4	1682.3	1663.4	1654.0	1650.1
170°	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1682.3	1663.4	1654.0	1653.7
172.5°	1687.5	1686.6	1683.2	1679.7	1683.2	1686.6	1687.5	1676.3	1661.4	1654.0	1654.0
175°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1668.1	1658.7	1654.0	1656.2
177.5°	1673.0	1672.0	1668.0	1664.0	1668.0	1672.0	1673.0	1667.4	1660.0	1656.2	1657.9
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1869.3	1878.3	1883.6	1890.8	1908.7
5°	1797.7	1831.7	1842.5	1869.3	1901.6
7.5°	1640.1	1744.0	1772.6	1837.1	1887.2
10°	1487.9	1591.8	1641.9	1794.1	1869.3
12.5°	1410.9	1471.8	1505.8	1718.9	1844.3
15°	1362.6	1405.6	1430.6	1618.6	1815.6
17.5°	1325.0	1355.4	1373.3	1520.2	1776.2
20°	1301.7	1316.0	1332.1	1448.5	1731.4
22.5°	1285.6	1276.6	1289.2	1398.4	1670.6
25°	1274.8	1240.8	1255.1	1359.0	1598.9
27.5°	1283.8	1208.6	1214.0	1323.2	1523.7
30°	1285.6	1169.2	1171.0	1285.6	1439.6
32.5°	1273.0	1128.0	1129.8	1239.0	1344.7
35°	1242.6	1079.7	1077.9	1185.3	1215.7
37.5°	1201.4	1027.8	1027.8	1126.2	1074.3
40°	1151.3	975.9	981.3	1049.3	949.0
42.5°	1090.4	920.4	927.5	947.2	855.9
45°	1024.2	866.7	872.0	800.4	784.3
47.5°	950.8	811.2	812.9	664.3	761.0
50°	863.1	753.9	746.7	569.4	759.2
52.5°	786.1	691.2	669.7	515.7	689.4
55°	710.9	624.9	578.4	474.5	639.3
57.5°	644.6	539.0	494.2	426.2	628.5
60°	583.7	454.8	420.8	374.2	576.6
62.5°	533.6	392.1	385.0	338.4	522.9
65°	479.9	349.2	347.4	308.0	444.1
67.5°	428.0	320.5	318.7	279.3	338.4
70°	372.4	290.1	286.5	248.9	250.7
72.5°	315.1	256.1	252.5	223.8	207.7
75°	257.8	216.7	214.9	195.2	168.3
77.5°	202.3	171.9	175.5	157.6	123.6
80°	145.0	125.3	128.9	112.8	93.1
82.5°	96.7	82.4	85.9	71.6	62.7
85°	53.7	46.6	48.3	37.6	28.6
87.5°	25.1	21.5	21.5	14.3	9.0
90°	49.2	31.2	29.0	20.1	11.2
92.5°	303.1	215.6	196.6	120.6	44.7
95°	745.6	419.9	385.2	246.2	107.3
97.5°	1004.5	461.3	430.6	308.0	185.4
100°	1098.6	495.9	468.1	356.9	245.7
102.5°	1141.8	530.5	504.5	400.8	297.1
105°	1173.8	581.9	559.9	472.0	384.2
107.5°	1179.8	657.8	637.3	555.5	473.5
110°	1170.8	700.2	681.8	607.8	533.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1171.2	751.6	734.0	663.5	593.1
115°	1182.0	828.7	812.4	747.4	682.4
117.5°	1203.9	903.5	888.8	829.7	770.6
120°	1221.8	947.1	933.2	877.6	822.0
122.5°	1247.5	998.5	984.4	928.3	872.2
125°	1282.1	1064.3	1051.5	1000.4	949.3
127.5°	1316.7	1128.0	1115.1	1063.5	1011.9
130°	1342.1	1170.4	1156.6	1101.0	1045.4
132.5°	1362.6	1205.1	1191.2	1135.6	1080.0
135°	1384.9	1245.3	1232.7	1182.0	1131.3
137.5°	1418.4	1296.6	1284.1	1234.0	1183.9
140°	1438.9	1331.2	1319.7	1273.6	1227.4
142.5°	1456.0	1356.9	1346.3	1303.6	1260.9
145°	1478.3	1396.1	1386.7	1349.5	1312.3
147.5°	1511.1	1445.2	1436.2	1399.9	1363.6
150°	1528.1	1470.8	1462.7	1429.9	1397.1
152.5°	1539.4	1487.7	1481.5	1456.6	1431.8
155°	1563.9	1524.4	1519.9	1501.5	1483.2
157.5°	1588.5	1561.3	1556.9	1539.0	1521.1
160°	1599.7	1578.1	1574.6	1560.7	1546.8
162.5°	1611.6	1596.0	1593.4	1582.9	1572.5
165°	1628.7	1621.6	1619.3	1609.8	1600.4
167.5°	1642.1	1636.2	1635.0	1630.5	1626.1
170°	1653.3	1652.9	1651.8	1647.3	1642.8
172.5°	1654.0	1654.0	1653.7	1652.7	1651.8
175°	1660.7	1664.0	1664.0	1664.0	1664.0
177.5°	1661.4	1664.0	1664.0	1664.0	1664.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0



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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	10.32	11.03	11.42	12.13	13.65	13.15	13.87	14.26	14.97	16.48
	3H	10.78	11.42	11.89	12.53	14.06	14.49	15.13	15.60	16.24	17.77
	4H	10.97	11.57	12.09	12.68	14.22	14.93	15.54	16.05	16.65	18.18
	6H	11.08	11.64	12.21	12.75	14.30	15.21	15.77	16.34	16.88	18.43
	8H	11.07	11.61	12.21	12.73	14.27	15.28	15.81	16.41	16.94	18.48
	12H	11.04	11.54	12.18	12.67	14.23	15.31	15.82	16.45	16.94	18.51
4H	2H	11.33	11.94	12.46	13.05	14.59	13.54	14.15	14.67	15.26	16.80
	3H	12.35	12.85	13.48	13.99	15.54	15.04	15.54	16.17	16.68	18.23
	4H	12.62	13.08	13.75	14.20	15.77	15.56	16.03	16.70	17.15	18.72
	6H	12.73	13.13	13.88	14.28	15.84	15.92	16.32	17.07	17.47	19.03
	8H	12.73	13.11	13.88	14.24	15.82	16.02	16.40	17.17	17.54	19.11
	12H	12.69	13.03	13.85	14.18	15.76	16.08	16.41	17.24	17.56	19.15
8H	4H	13.06	13.43	14.20	14.57	16.15	15.67	16.05	16.82	17.18	18.76
	6H	13.31	13.62	14.48	14.80	16.38	16.11	16.41	17.27	17.59	19.17
	8H	13.35	13.62	14.53	14.78	16.38	16.26	16.53	17.43	17.69	19.28
	12H	13.33	13.57	14.51	14.72	16.35	16.35	16.59	17.53	17.74	19.37
12H	4H	13.06	13.39	14.22	14.55	16.13	15.63	15.97	16.79	17.12	18.70
	6H	13.37	13.64	14.54	14.80	16.40	16.10	16.37	17.27	17.53	19.13
	8H	13.43	13.67	14.61	14.83	16.45	16.26	16.49	17.43	17.65	19.28