

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: P935946

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935946
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-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

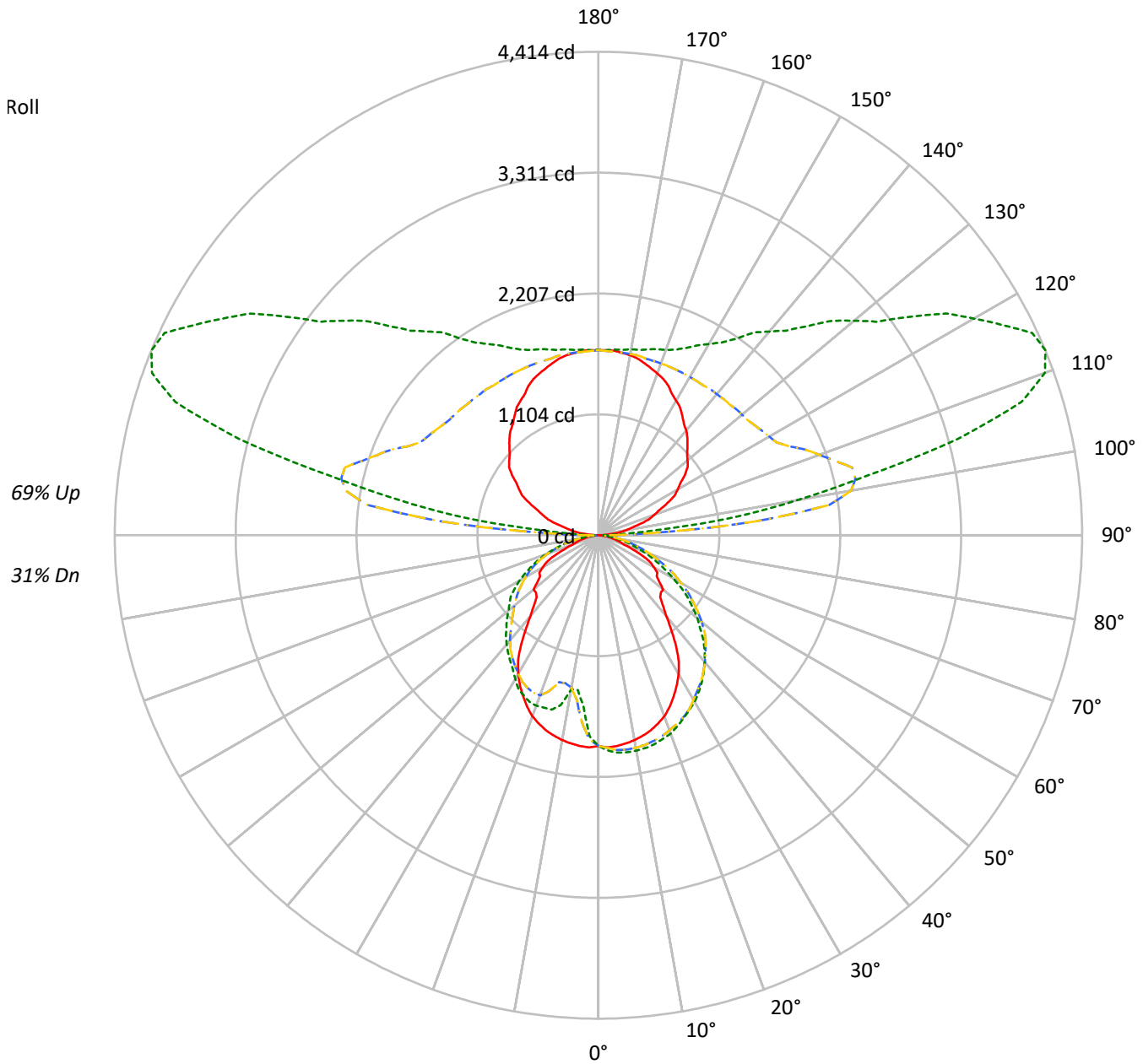
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15952.3 lumens
Efficiency: N/A
Efficacy: 125.4 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°	8922	8922	8922	8922
5°	8988	9006	8988	7081
10°	8928	8871	8928	6342
15°	8831	8679	8831	7247
20°	8646	8451	8646	7262
25°	8268	8119	8268	7108
30°	7780	7843	7780	6771
35°	6935	7495	6935	6399
40°	5779	7084	5779	6118
45°	5164	6603	5164	5796
50°	5486	6030	5486	5472
55°	5162	5413	5162	5285
60°	5321	4598	5321	4840
65°	4824	3801	4824	4248
70°	3340	3029	3340	3561
75°	2929	2239	2929	2681
80°	2360	1480	2360	1612
85°	1355	784	1355	667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7914 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.6	1.1
10°-20°	492.8	3.1
20°-30°	761.8	4.8
30°-40°	909.4	5.7
40°-50°	914.8	5.7
50°-60°	796.0	5.0
60°-70°	564.4	3.5
70°-80°	298.6	1.9
80°-90°	80.8	0.5
90°-100°	824.1	5.2
100°-110°	2166.7	13.6
110°-120°	2246.6	14.1
120°-130°	1802.1	11.3
130°-140°	1414.0	8.9
140°-150°	1085.3	6.8
150°-160°	781.6	4.9
160°-170°	478.2	3.0
170°-180°	161.6	1.0
0°-30°	1428.2	9.0
0°-40°	2337.6	14.7
0°-60°	4048.4	25.4
0°-90°	4992.2	31.3
90°-120°	5237.4	32.8
90°-150°	9538.8	59.8
90°-180°	10960.0	68.7
0°-180°	15952.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1923	1923	1923	1923	1923	
5°	1932	1992	1932	1566	1932	183
15°	1845	1974	1845	1648	1845	519
25°	1624	1841	1624	1612	1624	746
35°	1235	1643	1235	1403	1235	764
45°	797	1353	797	1188	797	638
55°	650	999	650	975	650	597
65°	451	602	451	673	451	431
75°	171	286	171	342	171	180
85°	29	73	29	62	29	39
90°	11	43	11	43	11	11
95°	109	498	109	498	109	121
105°	390	3393	390	3393	390	414
115°	693	4368	693	4368	693	685
125°	964	3479	964	3479	964	856
135°	1149	2699	1149	2699	1149	889
145°	1333	2190	1333	2190	1333	835
155°	1507	1886	1507	1886	1507	692
165°	1626	1756	1626	1756	1626	459
175°	1691	1702	1691	1702	1691	160
180°	1691	1691	1691	1691	1691	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1939.3	1939.3	1950.2	1953.8	1953.8	1948.4	1942.9	1948.4	1964.7	1970.2	1968.4
5°	1932.0	1946.5	1966.5	1970.2	1973.8	1972.0	1968.4	1972.0	1990.2	1993.8	1995.7
7.5°	1917.4	1944.7	1970.2	1975.6	1981.1	1975.6	1973.8	1977.5	1995.7	1999.3	1999.3
10°	1899.2	1937.4	1966.5	1970.2	1975.6	1970.2	1970.2	1977.5	1995.7	1999.3	2001.1
12.5°	1873.8	1926.5	1953.8	1957.4	1964.7	1962.9	1961.1	1968.4	1986.6	1990.2	1990.2
15°	1844.7	1906.5	1932.0	1935.6	1948.4	1944.7	1944.7	1952.0	1972.0	1977.5	1975.6
17.5°	1804.6	1881.0	1910.1	1915.6	1924.7	1922.9	1924.7	1932.0	1950.2	1953.8	1955.6
20°	1759.1	1846.5	1881.0	1886.5	1895.6	1895.6	1895.6	1904.7	1922.9	1930.2	1930.2
22.5°	1697.3	1810.1	1846.5	1850.1	1861.0	1861.0	1864.7	1877.4	1893.8	1895.6	1895.6
25°	1624.5	1770.1	1801.0	1811.9	1822.8	1828.3	1833.7	1841.0	1846.5	1844.7	1846.5
27.5°	1548.1	1719.1	1759.1	1766.4	1781.0	1786.4	1793.7	1795.5	1797.4	1802.8	1799.2
30°	1462.6	1648.2	1708.2	1715.5	1739.1	1742.8	1735.5	1739.1	1748.2	1751.9	1755.5
32.5°	1366.2	1542.7	1655.4	1671.8	1693.7	1682.7	1680.9	1686.4	1700.9	1700.9	1704.6
35°	1235.2	1460.8	1606.3	1620.9	1637.3	1624.5	1631.8	1633.6	1642.7	1648.2	1646.4
37.5°	1091.5	1389.8	1555.4	1566.3	1579.0	1562.7	1573.6	1579.0	1586.3	1582.7	1582.7
40°	964.2	1278.9	1495.4	1502.6	1513.5	1500.8	1511.7	1515.4	1519.0	1515.4	1513.5
42.5°	869.6	1157.0	1431.7	1440.8	1433.5	1442.6	1446.2	1453.5	1448.1	1440.8	1440.8
45°	796.8	1124.2	1362.5	1373.5	1362.5	1377.1	1382.6	1382.6	1366.2	1362.5	1360.7
47.5°	773.2	1058.8	1293.4	1293.4	1288.0	1306.1	1315.2	1302.5	1286.1	1280.7	1280.7
50°	771.4	986.0	1198.8	1191.5	1217.0	1238.8	1229.7	1217.0	1204.3	1184.3	1184.3
52.5°	700.4	896.9	1077.0	1104.2	1144.2	1157.0	1142.4	1129.7	1107.8	1098.8	1091.5
55°	649.5	804.1	966.0	1020.6	1062.5	1078.8	1051.5	1038.8	1006.1	1000.6	997.0
57.5°	638.6	669.5	864.2	933.3	984.2	982.4	966.0	942.4	915.1	909.6	907.8
60°	585.8	483.9	755.0	836.9	889.6	884.2	869.6	847.8	822.3	818.7	815.0
62.5°	531.2	351.1	631.3	724.1	798.7	796.8	784.1	751.4	733.2	724.1	716.8
65°	451.2	294.7	449.4	602.2	709.5	713.2	685.9	662.2	642.2	631.3	629.5
67.5°	343.8	240.1	303.8	502.1	624.0	620.4	585.8	574.9	549.4	544.0	533.0
70°	254.7	160.1	211.0	407.5	540.3	531.2	503.9	491.2	467.6	454.8	447.5
72.5°	211.0	129.2	154.6	316.6	454.8	443.9	420.3	405.7	385.7	374.8	367.5
75°	171.0	136.4	118.3	234.7	369.3	362.0	340.2	325.7	309.3	294.7	296.5
77.5°	125.5	127.3	94.6	172.8	292.9	282.0	269.3	251.1	243.8	229.2	229.2
80°	94.6	100.1	71.0	118.3	211.0	211.0	200.1	187.4	174.7	167.4	167.4
82.5°	63.7	63.7	52.8	74.6	143.7	138.3	131.0	127.3	120.1	116.4	116.4
85°	29.1	36.4	32.7	45.5	78.2	81.9	81.9	78.2	76.4	72.8	74.6
87.5°	9.1	16.4	20.0	25.5	40.0	41.8	43.7	43.7	43.7	45.5	45.5
90°	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5	43.1	43.1
92.5°	45.4	122.5	199.8	219.0	307.9	426.4	485.7	425.6	305.6	215.6	207.0
95°	109.0	250.2	391.3	426.6	757.5	1198.8	1419.5	1266.7	961.1	731.9	705.9
97.5°	188.4	312.9	437.5	468.6	1020.5	1756.3	2124.2	2027.6	1834.5	1689.6	1640.2
100°	249.6	362.6	475.6	503.8	1116.2	1932.6	2340.9	2348.0	2362.1	2372.6	2313.8
102.5°	301.8	407.2	512.6	539.0	1160.1	1988.1	2402.2	2525.2	2771.3	2955.9	2905.5
105°	390.3	479.6	568.9	591.2	1192.5	1994.4	2395.3	2671.2	3222.9	3636.7	3609.6
107.5°	481.1	564.3	647.5	668.3	1198.6	1905.7	2259.2	2644.0	3413.6	3990.8	3997.3
110°	542.4	617.6	692.7	711.4	1189.5	1827.0	2145.7	2575.9	3436.2	4081.5	4109.7



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1972.0	1966.5	1972.0	1968.4	1970.2	1964.7	1948.4	1942.9	1948.4	1953.8	1953.8
5°	1995.7	1992.0	1995.7	1995.7	1993.8	1990.2	1972.0	1968.4	1972.0	1973.8	1970.2
7.5°	2002.9	1997.5	2002.9	1999.3	1999.3	1995.7	1977.5	1973.8	1975.6	1981.1	1975.6
10°	2002.9	1997.5	2002.9	2001.1	1999.3	1995.7	1977.5	1970.2	1970.2	1975.6	1970.2
12.5°	1993.8	1990.2	1993.8	1990.2	1990.2	1986.6	1968.4	1961.1	1962.9	1964.7	1957.4
15°	1979.3	1973.8	1979.3	1975.6	1977.5	1972.0	1952.0	1944.7	1944.7	1948.4	1935.6
17.5°	1957.4	1950.2	1957.4	1955.6	1953.8	1950.2	1932.0	1924.7	1922.9	1924.7	1915.6
20°	1932.0	1926.5	1932.0	1930.2	1930.2	1922.9	1904.7	1895.6	1895.6	1895.6	1886.5
22.5°	1892.0	1886.5	1892.0	1895.6	1895.6	1893.8	1877.4	1864.7	1861.0	1861.0	1850.1
25°	1846.5	1841.0	1846.5	1846.5	1844.7	1846.5	1841.0	1833.7	1828.3	1822.8	1811.9
27.5°	1802.8	1799.2	1802.8	1799.2	1802.8	1797.4	1795.5	1793.7	1786.4	1781.0	1766.4
30°	1759.1	1755.5	1759.1	1755.5	1751.9	1748.2	1739.1	1735.5	1742.8	1739.1	1715.5
32.5°	1704.6	1700.9	1704.6	1704.6	1700.9	1700.9	1686.4	1680.9	1682.7	1693.7	1671.8
35°	1648.2	1642.7	1648.2	1646.4	1648.2	1642.7	1633.6	1631.8	1624.5	1637.3	1620.9
37.5°	1582.7	1577.2	1582.7	1582.7	1582.7	1586.3	1579.0	1573.6	1562.7	1579.0	1566.3
40°	1515.4	1508.1	1515.4	1513.5	1515.4	1519.0	1515.4	1511.7	1500.8	1513.5	1502.6
42.5°	1439.0	1437.1	1439.0	1440.8	1440.8	1448.1	1453.5	1446.2	1442.6	1433.5	1440.8
45°	1357.1	1353.4	1357.1	1360.7	1362.5	1366.2	1382.6	1382.6	1377.1	1362.5	1373.5
47.5°	1269.8	1260.7	1269.8	1280.7	1280.7	1286.1	1302.5	1315.2	1306.1	1288.0	1293.4
50°	1177.0	1178.8	1177.0	1184.3	1184.3	1204.3	1217.0	1229.7	1238.8	1217.0	1191.5
52.5°	1086.0	1084.3	1086.0	1091.5	1098.8	1107.8	1129.7	1142.4	1157.0	1144.2	1104.2
55°	995.1	998.8	995.1	997.0	1000.6	1006.1	1038.8	1051.5	1078.8	1062.5	1020.6
57.5°	904.2	898.7	904.2	907.8	909.6	915.1	942.4	966.0	982.4	984.2	933.3
60°	798.7	791.4	798.7	815.0	818.7	822.3	847.8	869.6	884.2	889.6	836.9
62.5°	705.9	693.1	705.9	716.8	724.1	733.2	751.4	784.1	796.8	798.7	724.1
65°	607.6	602.2	607.6	629.5	631.3	642.2	662.2	685.9	713.2	709.5	602.2
67.5°	518.5	518.5	518.5	533.0	544.0	549.4	574.9	585.8	620.4	624.0	502.1
70°	436.6	434.8	436.6	447.5	454.8	467.6	491.2	503.9	531.2	540.3	407.5
72.5°	358.4	356.6	358.4	367.5	374.8	385.7	405.7	420.3	443.9	454.8	316.6
75°	289.3	285.6	289.3	296.5	294.7	309.3	325.7	340.2	362.0	369.3	234.7
77.5°	222.0	222.0	222.0	229.2	229.2	243.8	251.1	269.3	282.0	292.9	172.8
80°	165.6	163.7	165.6	167.4	167.4	174.7	187.4	200.1	211.0	211.0	118.3
82.5°	116.4	112.8	116.4	116.4	116.4	120.1	127.3	131.0	138.3	143.7	74.6
85°	72.8	72.8	72.8	74.6	72.8	76.4	78.2	81.9	81.9	78.2	45.5
87.5°	47.3	45.5	47.3	45.5	45.5	43.7	43.7	43.7	41.8	40.0	25.5
90°	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1	49.9	31.7
92.5°	172.7	138.4	172.7	207.0	215.6	305.6	425.6	485.7	426.4	307.9	219.0
95°	602.0	498.1	602.0	705.9	731.9	961.1	1266.7	1419.5	1198.8	757.5	426.6
97.5°	1442.4	1244.7	1442.4	1640.2	1689.6	1834.5	2027.6	2124.2	1756.3	1020.5	468.6
100°	2078.2	1842.7	2078.2	2313.8	2372.6	2362.1	2348.0	2340.9	1932.6	1116.2	503.8
102.5°	2703.7	2502.0	2703.7	2905.5	2955.9	2771.3	2525.2	2402.2	1988.1	1160.1	539.0
105°	3501.2	3392.8	3501.2	3609.6	3636.7	3222.9	2671.2	2395.3	1994.4	1192.5	591.2
107.5°	4023.5	4049.7	4023.5	3997.3	3990.8	3413.6	2644.0	2259.2	1905.7	1198.6	668.3
110°	4222.7	4335.7	4222.7	4109.7	4081.5	3436.2	2575.9	2145.7	1827.0	1189.5	711.4



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1950.2	1939.3	1939.3	1921.1	1913.8	1908.3	1899.2	1871.9	1864.7	1857.4	1868.3
5°	1966.5	1946.5	1932.0	1899.2	1871.9	1861.0	1826.5	1761.0	1717.3	1684.6	1666.4
7.5°	1970.2	1944.7	1917.4	1866.5	1801.0	1771.9	1666.4	1546.3	1513.5	1484.4	1466.2
10°	1966.5	1937.4	1899.2	1822.8	1668.2	1617.2	1511.7	1433.5	1413.5	1408.0	1413.5
12.5°	1953.8	1926.5	1873.8	1746.4	1529.9	1495.4	1433.5	1388.0	1384.4	1393.5	1442.6
15°	1932.0	1906.5	1844.7	1644.5	1453.5	1428.0	1384.4	1368.0	1388.0	1451.7	1599.1
17.5°	1910.1	1881.0	1804.6	1544.5	1395.3	1377.1	1346.2	1378.9	1491.7	1577.2	1626.3
20°	1881.0	1846.5	1759.1	1471.7	1353.4	1337.1	1322.5	1469.9	1555.4	1586.3	1613.6
22.5°	1846.5	1810.1	1697.3	1420.8	1309.8	1297.1	1306.1	1520.8	1555.4	1577.2	1600.9
25°	1801.0	1770.1	1624.5	1380.7	1275.2	1260.7	1295.2	1515.4	1535.4	1540.8	1588.1
27.5°	1759.1	1719.1	1548.1	1344.4	1233.4	1227.9	1304.3	1491.7	1506.3	1511.7	1562.7
30°	1708.2	1648.2	1462.6	1306.1	1189.7	1187.9	1306.1	1462.6	1459.0	1473.5	1524.5
32.5°	1655.4	1542.7	1366.2	1258.8	1147.9	1146.1	1293.4	1418.9	1415.3	1435.3	1473.5
35°	1606.3	1460.8	1235.2	1204.3	1095.1	1096.9	1262.5	1368.0	1369.8	1388.0	1411.7
37.5°	1555.4	1389.8	1091.5	1144.2	1044.3	1044.3	1220.6	1320.7	1317.1	1322.5	1355.3
40°	1495.4	1278.9	964.2	1066.1	997.0	991.5	1169.7	1269.8	1257.0	1255.2	1300.7
42.5°	1431.7	1157.0	869.6	962.4	942.4	935.1	1107.8	1207.9	1184.3	1189.7	1247.9
45°	1362.5	1124.2	796.8	813.2	886.0	880.5	1040.6	1137.0	1120.6	1135.1	1195.2
47.5°	1293.4	1058.8	773.2	675.0	826.0	824.1	966.0	1067.9	1058.8	1073.4	1137.0
50°	1198.8	986.0	771.4	578.5	758.6	765.9	876.9	1000.6	1000.6	1013.3	1080.6
52.5°	1077.0	896.9	700.4	524.0	680.4	702.2	798.7	942.4	946.0	958.8	1018.8
55°	966.0	804.1	649.5	482.1	587.6	634.9	722.3	882.3	889.6	902.4	956.9
57.5°	864.2	669.5	638.6	433.0	502.1	547.6	654.9	824.1	827.8	838.7	891.4
60°	755.0	483.9	585.8	380.2	427.5	462.1	593.1	755.0	767.7	775.0	820.5
62.5°	631.3	351.1	531.2	343.8	391.1	398.4	542.1	689.5	705.9	711.3	738.6
65°	449.4	294.7	451.2	312.9	352.9	354.8	487.6	622.2	636.7	645.8	665.9
67.5°	303.8	240.1	343.8	283.8	323.8	325.7	434.8	544.0	564.0	571.3	584.0
70°	211.0	160.1	254.7	252.9	291.1	294.7	378.4	473.0	491.2	496.7	503.9
72.5°	154.6	129.2	211.0	227.4	256.5	260.2	320.2	393.0	411.2	416.6	420.3
75°	118.3	136.4	171.0	198.3	218.3	220.1	262.0	320.2	332.9	336.6	338.4
77.5°	94.6	127.3	125.5	160.1	178.3	174.7	205.6	247.4	258.3	258.3	258.3
80°	71.0	100.1	94.6	114.6	131.0	127.3	147.4	176.5	180.1	183.7	181.9
82.5°	52.8	63.7	63.7	72.8	87.3	83.7	98.2	114.6	114.6	114.6	118.3
85°	32.7	36.4	29.1	38.2	49.1	47.3	54.6	61.9	63.7	63.7	60.0
87.5°	20.0	16.4	9.1	14.6	21.8	21.8	25.5	27.3	25.5	25.5	25.5
90°	29.5	20.5	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5
92.5°	199.8	122.5	45.4	122.5	199.8	219.0	307.9	426.4	485.7	425.6	305.6
95°	391.3	250.2	109.0	250.2	391.3	426.6	757.5	1198.8	1419.5	1266.7	961.1
97.5°	437.5	312.9	188.4	312.9	437.5	468.6	1020.5	1756.3	2124.2	2027.6	1834.5
100°	475.6	362.6	249.6	362.6	475.6	503.8	1116.2	1932.6	2340.9	2348.0	2362.1
102.5°	512.6	407.2	301.8	407.2	512.6	539.0	1160.1	1988.1	2402.2	2525.2	2771.3
105°	568.9	479.6	390.3	479.6	568.9	591.2	1192.5	1994.4	2395.3	2671.2	3222.9
107.5°	647.5	564.3	481.1	564.3	647.5	668.3	1198.6	1905.7	2259.2	2644.0	3413.6
110°	692.7	617.6	542.4	617.6	692.7	711.4	1189.5	1827.0	2145.7	2575.9	3436.2



TEST NUMBER: P935946

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CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935946

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1855.6	1850.1	1857.4	1837.4	1857.4	1850.1	1855.6	1868.3	1857.4	1864.7	1871.9
5°	1628.2	1619.1	1590.0	1566.3	1590.0	1619.1	1628.2	1666.4	1684.6	1717.3	1761.0
7.5°	1455.3	1448.1	1440.8	1426.2	1440.8	1448.1	1455.3	1466.2	1484.4	1513.5	1546.3
10°	1417.1	1418.9	1429.9	1428.0	1429.9	1418.9	1417.1	1413.5	1408.0	1413.5	1433.5
12.5°	1515.4	1531.7	1591.8	1588.1	1591.8	1531.7	1515.4	1442.6	1393.5	1384.4	1388.0
15°	1628.2	1633.6	1646.4	1648.2	1646.4	1633.6	1628.2	1599.1	1451.7	1388.0	1368.0
17.5°	1639.1	1640.9	1650.0	1650.0	1650.0	1640.9	1639.1	1626.3	1577.2	1491.7	1378.9
20°	1630.0	1633.6	1651.8	1655.4	1651.8	1633.6	1630.0	1613.6	1586.3	1555.4	1469.9
22.5°	1626.3	1633.6	1648.2	1646.4	1648.2	1633.6	1626.3	1600.9	1577.2	1555.4	1520.8
25°	1608.1	1608.1	1610.0	1611.8	1610.0	1608.1	1608.1	1588.1	1540.8	1535.4	1515.4
27.5°	1569.9	1573.6	1584.5	1582.7	1584.5	1573.6	1569.9	1562.7	1511.7	1506.3	1491.7
30°	1535.4	1531.7	1522.6	1515.4	1522.6	1531.7	1535.4	1524.5	1473.5	1459.0	1462.6
32.5°	1477.2	1468.1	1459.0	1453.5	1459.0	1468.1	1477.2	1473.5	1435.3	1415.3	1418.9
35°	1408.0	1409.8	1408.0	1402.6	1408.0	1409.8	1408.0	1411.7	1388.0	1369.8	1368.0
37.5°	1358.9	1362.5	1360.7	1353.4	1360.7	1362.5	1358.9	1355.3	1322.5	1317.1	1320.7
40°	1308.0	1309.8	1308.0	1302.5	1308.0	1309.8	1308.0	1300.7	1255.2	1257.0	1269.8
42.5°	1258.8	1257.0	1251.6	1247.9	1251.6	1257.0	1258.8	1247.9	1189.7	1184.3	1207.9
45°	1202.4	1204.3	1193.4	1187.9	1193.4	1204.3	1202.4	1195.2	1135.1	1120.6	1137.0
47.5°	1146.1	1146.1	1137.0	1131.5	1137.0	1146.1	1146.1	1137.0	1073.4	1058.8	1067.9
50°	1086.0	1084.3	1071.6	1069.7	1071.6	1084.3	1086.0	1080.6	1013.3	1000.6	1000.6
52.5°	1017.0	1017.0	1018.8	1022.4	1018.8	1017.0	1017.0	1018.8	958.8	946.0	942.4
55°	956.9	958.8	971.5	975.1	971.5	958.8	956.9	956.9	902.4	889.6	882.3
57.5°	895.1	895.1	904.2	904.2	904.2	895.1	895.1	891.4	838.7	827.8	824.1
60°	824.1	827.8	835.0	833.2	835.0	827.8	824.1	820.5	775.0	767.7	755.0
62.5°	749.5	753.2	755.0	751.4	755.0	753.2	749.5	738.6	711.3	705.9	689.5
65°	671.3	675.0	676.8	673.1	676.8	675.0	671.3	665.9	645.8	636.7	622.2
67.5°	591.3	589.4	587.6	594.9	587.6	589.4	591.3	584.0	571.3	564.0	544.0
70°	509.4	509.4	507.6	511.2	507.6	509.4	509.4	503.9	496.7	491.2	473.0
72.5°	422.1	420.3	427.5	422.1	427.5	420.3	422.1	420.3	416.6	411.2	393.0
75°	336.6	340.2	336.6	342.0	336.6	340.2	336.6	338.4	336.6	332.9	320.2
77.5°	256.5	260.2	256.5	256.5	256.5	260.2	256.5	258.3	258.3	258.3	247.4
80°	181.9	180.1	180.1	178.3	180.1	180.1	181.9	181.9	183.7	180.1	176.5
82.5°	116.4	114.6	114.6	118.3	114.6	114.6	116.4	118.3	114.6	114.6	114.6
85°	63.7	65.5	61.9	61.9	61.9	65.5	63.7	60.0	63.7	63.7	61.9
87.5°	23.7	21.8	21.8	21.8	21.8	21.8	23.7	25.5	25.5	25.5	27.3
90°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1
92.5°	215.6	207.0	172.7	138.4	172.7	207.0	215.6	305.6	425.6	485.7	426.4
95°	731.9	705.9	602.0	498.1	602.0	705.9	731.9	961.1	1266.7	1419.5	1198.8
97.5°	1689.6	1640.2	1442.4	1244.7	1442.4	1640.2	1689.6	1834.5	2027.6	2124.2	1756.3
100°	2372.6	2313.8	2078.2	1842.7	2078.2	2313.8	2372.6	2362.1	2348.0	2340.9	1932.6
102.5°	2955.9	2905.5	2703.7	2502.0	2703.7	2905.5	2955.9	2771.3	2525.2	2402.2	1988.1
105°	3636.7	3609.6	3501.2	3392.8	3501.2	3609.6	3636.7	3222.9	2671.2	2395.3	1994.4
107.5°	3990.8	3997.3	4023.5	4049.7	4023.5	3997.3	3990.8	3413.6	2644.0	2259.2	1905.7
110°	4081.5	4109.7	4222.7	4335.7	4222.7	4109.7	4081.5	3436.2	2575.9	2145.7	1827.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1899.2	1908.3	1913.8	1921.1	1939.3
5°	1826.5	1861.0	1871.9	1899.2	1932.0
7.5°	1666.4	1771.9	1801.0	1866.5	1917.4
10°	1511.7	1617.2	1668.2	1822.8	1899.2
12.5°	1433.5	1495.4	1529.9	1746.4	1873.8
15°	1384.4	1428.0	1453.5	1644.5	1844.7
17.5°	1346.2	1377.1	1395.3	1544.5	1804.6
20°	1322.5	1337.1	1353.4	1471.7	1759.1
22.5°	1306.1	1297.1	1309.8	1420.8	1697.3
25°	1295.2	1260.7	1275.2	1380.7	1624.5
27.5°	1304.3	1227.9	1233.4	1344.4	1548.1
30°	1306.1	1187.9	1189.7	1306.1	1462.6
32.5°	1293.4	1146.1	1147.9	1258.8	1366.2
35°	1262.5	1096.9	1095.1	1204.3	1235.2
37.5°	1220.6	1044.3	1044.3	1144.2	1091.5
40°	1169.7	991.5	997.0	1066.1	964.2
42.5°	1107.8	935.1	942.4	962.4	869.6
45°	1040.6	880.5	886.0	813.2	796.8
47.5°	966.0	824.1	826.0	675.0	773.2
50°	876.9	765.9	758.6	578.5	771.4
52.5°	798.7	702.2	680.4	524.0	700.4
55°	722.3	634.9	587.6	482.1	649.5
57.5°	654.9	547.6	502.1	433.0	638.6
60°	593.1	462.1	427.5	380.2	585.8
62.5°	542.1	398.4	391.1	343.8	531.2
65°	487.6	354.8	352.9	312.9	451.2
67.5°	434.8	325.7	323.8	283.8	343.8
70°	378.4	294.7	291.1	252.9	254.7
72.5°	320.2	260.2	256.5	227.4	211.0
75°	262.0	220.1	218.3	198.3	171.0
77.5°	205.6	174.7	178.3	160.1	125.5
80°	147.4	127.3	131.0	114.6	94.6
82.5°	98.2	83.7	87.3	72.8	63.7
85°	54.6	47.3	49.1	38.2	29.1
87.5°	25.5	21.8	21.8	14.6	9.1
90°	49.9	31.7	29.5	20.5	11.4
92.5°	307.9	219.0	199.8	122.5	45.4
95°	757.5	426.6	391.3	250.2	109.0
97.5°	1020.5	468.6	437.5	312.9	188.4
100°	1116.2	503.8	475.6	362.6	249.6
102.5°	1160.1	539.0	512.6	407.2	301.8
105°	1192.5	591.2	568.9	479.6	390.3
107.5°	1198.6	668.3	647.5	564.3	481.1
110°	1189.5	711.4	692.7	617.6	542.4



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CANDELA DISTRIBUTION (continued):

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



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.37	11.09	11.47	12.19	13.70	13.21	13.92	14.31	15.02	16.54
	3H	10.84	11.48	11.95	12.58	14.12	14.55	15.19	15.66	16.29	17.83
	4H	11.02	11.63	12.14	12.74	14.28	14.98	15.59	16.11	16.70	18.24
	6H	11.13	11.69	12.26	12.80	14.35	15.26	15.82	16.39	16.93	18.48
	8H	11.13	11.66	12.26	12.79	14.33	15.33	15.87	16.47	16.99	18.54
	12H	11.09	11.60	12.23	12.72	14.29	15.37	15.87	16.51	16.99	18.56
4H	2H	11.39	11.99	12.52	13.10	14.64	13.60	14.21	14.73	15.32	16.85
	3H	12.40	12.91	13.54	14.04	15.59	15.09	15.60	16.23	16.73	18.29
	4H	12.67	13.14	13.81	14.26	15.83	15.62	16.08	16.76	17.21	18.78
	6H	12.79	13.19	13.93	14.33	15.89	15.98	16.37	17.12	17.52	19.08
	8H	12.79	13.16	13.93	14.30	15.88	16.08	16.45	17.22	17.59	19.17
	12H	12.75	13.09	13.91	14.24	15.82	16.13	16.47	17.29	17.62	19.20
8H	4H	13.11	13.49	14.26	14.62	16.20	15.73	16.10	16.87	17.24	18.82
	6H	13.37	13.68	14.53	14.86	16.43	16.16	16.47	17.33	17.65	19.22
	8H	13.41	13.68	14.58	14.84	16.43	16.31	16.58	17.48	17.74	19.34
	12H	13.39	13.62	14.56	14.78	16.41	16.41	16.64	17.58	17.80	19.43
12H	4H	13.11	13.45	14.27	14.60	16.18	15.69	16.02	16.85	17.17	18.76
	6H	13.43	13.70	14.60	14.86	16.45	16.16	16.43	17.33	17.59	19.18
	8H	13.49	13.72	14.66	14.88	16.51	16.31	16.55	17.49	17.71	19.34