

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: P935027

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935027
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

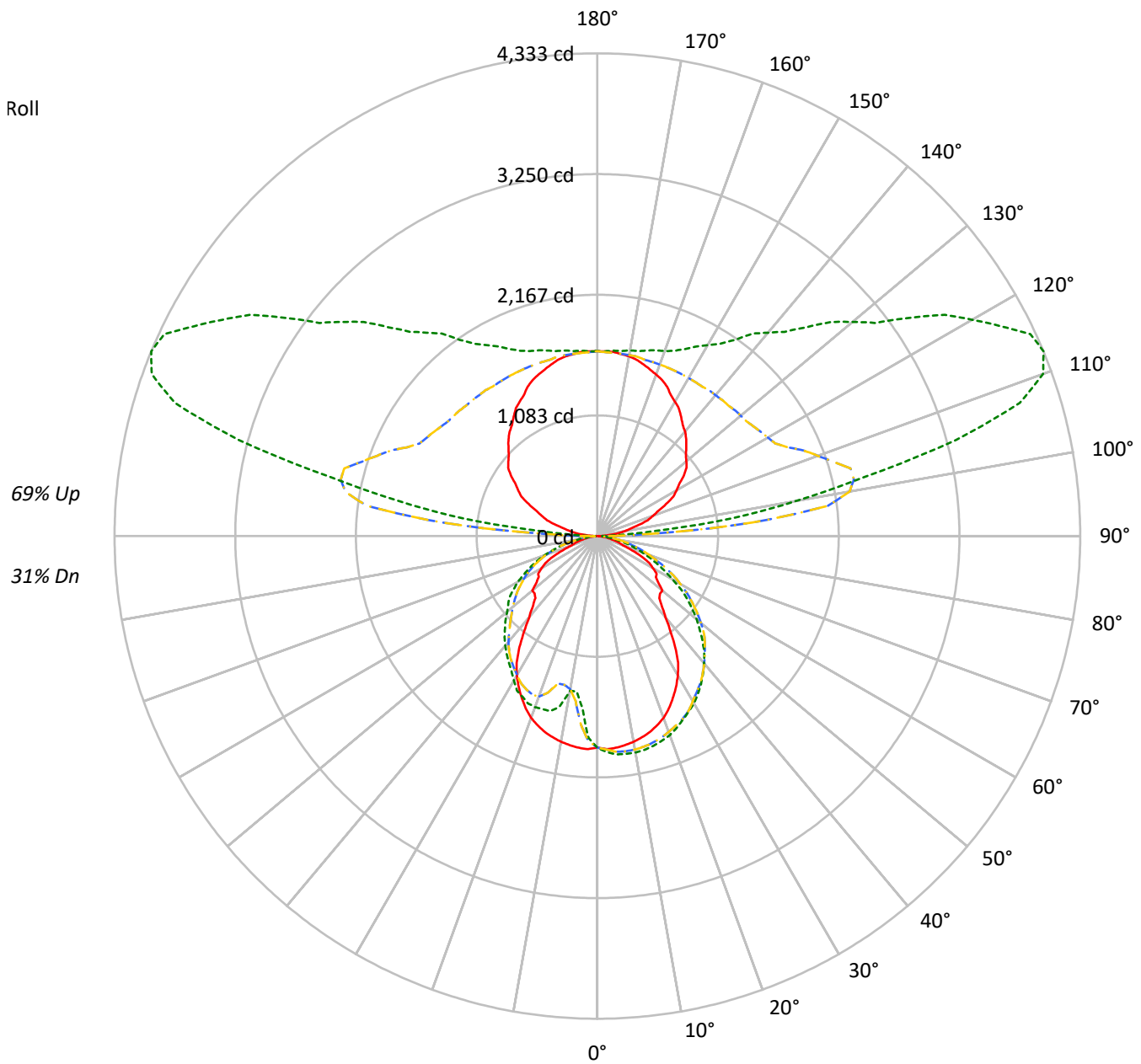
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15686.9 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 123.6
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	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	35	34	33	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	30	29	28	22
3	78	69	62	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	34	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	24	21	20	17	15	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	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	15	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°	5871	5871	5871	5871
5°	5918	5927	5918	4660
10°	5880	5838	5880	4174
15°	5818	5712	5818	4770
20°	5699	5562	5699	4780
25°	5452	5344	5452	4678
30°	5132	5162	5132	4456
35°	4578	4933	4578	4211
40°	3816	4662	3816	4027
45°	3412	4346	3412	3814
50°	3628	3969	3628	3601
55°	3417	3563	3417	3478
60°	3527	3026	3527	3186
65°	3203	2501	3203	2796
70°	2224	1994	2224	2344
75°	1956	1474	1956	1764
80°	1589	975	1589	1061
85°	930	516	930	439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5227 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	1.1
10°-20°	486.5	3.1
20°-30°	752.1	4.8
30°-40°	897.8	5.7
40°-50°	903.1	5.8
50°-60°	785.8	5.0
60°-70°	557.1	3.6
70°-80°	294.8	1.9
80°-90°	79.7	0.5
90°-100°	809.0	5.2
100°-110°	2126.9	13.6
110°-120°	2205.3	14.1
120°-130°	1768.9	11.3
130°-140°	1388.0	8.8
140°-150°	1065.3	6.8
150°-160°	767.2	4.9
160°-170°	469.4	3.0
170°-180°	158.6	1.0
0°-30°	1409.9	9.0
0°-40°	2307.8	14.7
0°-60°	3996.6	25.5
0°-90°	4928.2	31.4
90°-120°	5141.2	32.8
90°-150°	9363.4	59.7
90°-180°	10759.0	68.6
0°-180°	15686.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1898	1898	1898	1898	1898	
5°	1907	1966	1907	1546	1907	181
15°	1821	1949	1821	1627	1821	512
25°	1604	1818	1604	1591	1604	736
35°	1219	1622	1219	1385	1219	754
45°	787	1336	787	1173	787	630
55°	641	986	641	963	641	589
65°	445	594	445	664	445	426
75°	169	282	169	338	169	177
85°	29	72	29	61	29	39
90°	11	42	11	42	11	10
95°	107	489	107	489	107	119
105°	383	3330	383	3330	383	406
115°	680	4288	680	4288	680	672
125°	947	3415	947	3415	947	841
135°	1128	2650	1128	2650	1128	873
145°	1309	2150	1309	2150	1309	820
155°	1479	1851	1479	1851	1479	680
165°	1596	1724	1596	1724	1596	450
175°	1660	1671	1660	1671	1660	158
180°	1660	1660	1660	1660	1660	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1914.4	1914.4	1925.2	1928.8	1928.8	1923.4	1918.1	1923.4	1939.6	1944.9	1943.1
5°	1907.3	1921.6	1941.4	1944.9	1948.6	1946.8	1943.1	1946.8	1964.7	1968.3	1970.1
7.5°	1892.9	1919.8	1944.9	1950.4	1955.7	1950.4	1948.6	1952.2	1970.1	1973.7	1973.7
10°	1874.9	1912.6	1941.4	1944.9	1950.4	1944.9	1944.9	1952.2	1970.1	1973.7	1975.5
12.5°	1849.8	1901.9	1928.8	1932.4	1939.6	1937.8	1936.0	1943.1	1961.2	1964.7	1964.7
15°	1821.0	1882.1	1907.3	1910.8	1923.4	1919.8	1919.8	1927.0	1946.8	1952.2	1950.4
17.5°	1781.6	1857.0	1885.7	1891.1	1900.1	1898.2	1900.1	1907.3	1925.2	1928.8	1930.6
20°	1736.7	1822.8	1857.0	1862.4	1871.4	1871.4	1871.4	1880.3	1898.2	1905.5	1905.5
22.5°	1675.6	1786.9	1822.8	1826.5	1837.2	1837.2	1840.9	1853.3	1869.5	1871.4	1871.4
25°	1603.8	1747.4	1777.9	1788.7	1799.5	1804.9	1810.3	1817.5	1822.8	1821.0	1822.8
27.5°	1528.3	1697.1	1736.7	1743.8	1758.2	1763.5	1770.8	1772.6	1774.4	1779.7	1776.1
30°	1443.9	1627.1	1686.3	1693.6	1716.9	1720.5	1713.3	1716.9	1725.9	1729.5	1733.0
32.5°	1348.7	1522.9	1634.3	1650.5	1672.0	1661.3	1659.4	1664.8	1679.2	1679.2	1682.8
35°	1219.4	1442.1	1585.8	1600.2	1616.4	1603.8	1610.9	1612.7	1621.7	1627.1	1625.3
37.5°	1077.6	1372.0	1535.5	1546.3	1558.9	1542.7	1553.4	1558.9	1566.0	1562.4	1562.4
40°	951.8	1262.5	1476.2	1483.4	1494.2	1481.7	1492.4	1496.0	1499.6	1496.0	1494.2
42.5°	858.4	1142.2	1413.4	1422.4	1415.2	1424.2	1427.7	1435.0	1429.5	1422.4	1422.4
45°	786.6	1109.9	1345.2	1355.9	1345.2	1359.5	1364.9	1364.9	1348.7	1345.2	1343.3
47.5°	763.3	1045.3	1276.9	1276.9	1271.5	1289.5	1298.4	1285.9	1269.8	1264.3	1264.3
50°	761.5	973.4	1183.5	1176.3	1201.5	1223.0	1214.1	1201.5	1188.9	1169.2	1169.2
52.5°	691.4	885.4	1063.2	1090.2	1129.6	1142.2	1127.8	1115.2	1093.7	1084.7	1077.6
55°	641.2	793.8	953.6	1007.5	1048.8	1065.0	1038.0	1025.4	993.1	987.8	984.2
57.5°	630.4	660.9	853.1	921.3	971.6	969.8	953.6	930.3	903.3	898.0	896.2
60°	578.3	477.7	745.3	826.1	878.2	872.8	858.4	836.9	811.7	808.2	804.6
62.5°	524.4	346.6	623.1	714.8	788.4	786.6	774.1	741.7	723.7	714.8	707.6
65°	445.4	290.9	443.6	594.5	700.4	704.0	677.1	653.8	633.9	623.1	621.4
67.5°	339.5	237.1	299.9	495.7	616.0	612.4	578.3	567.5	542.4	537.0	526.2
70°	251.5	158.1	208.3	402.3	533.4	524.4	497.5	484.9	461.6	449.0	441.8
72.5°	208.3	127.5	152.6	312.5	449.0	438.2	414.9	400.5	380.7	370.0	362.8
75°	168.8	134.7	116.8	231.6	364.5	357.4	335.8	321.4	305.3	290.9	292.7
77.5°	123.9	125.7	93.4	170.6	289.1	278.4	265.8	247.9	240.7	226.3	226.3
80°	93.4	98.8	70.1	116.8	208.3	208.3	197.5	185.0	172.4	165.2	165.2
82.5°	62.8	62.8	52.0	73.6	141.8	136.5	129.3	125.7	118.5	115.0	115.0
85°	28.7	35.9	32.3	44.9	77.2	80.8	80.8	77.2	75.4	71.9	73.6
87.5°	9.0	16.2	19.7	25.2	39.5	41.3	43.1	43.1	43.1	44.9	44.9
90°	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4	42.3	42.3
92.5°	44.5	120.2	196.0	214.9	302.2	418.5	476.7	417.8	300.0	211.6	203.2
95°	106.9	245.6	384.2	418.8	743.6	1176.8	1393.4	1243.4	943.4	718.4	692.9
97.5°	184.9	307.2	429.4	460.1	1001.7	1723.9	2085.1	1990.3	1800.7	1658.5	1610.0
100°	245.0	355.9	466.8	494.5	1095.6	1897.1	2297.9	2304.8	2318.7	2329.0	2271.3
102.5°	296.3	399.7	503.2	529.1	1138.7	1951.6	2358.0	2478.8	2720.3	2901.6	2852.0
105°	383.2	470.8	558.4	580.3	1170.7	1957.8	2351.3	2622.2	3163.7	3569.9	3543.3
107.5°	472.3	554.0	635.6	656.1	1176.6	1870.6	2217.6	2595.4	3350.8	3917.4	3923.8
110°	532.4	606.2	679.9	698.4	1167.6	1793.4	2106.2	2528.5	3373.0	4006.4	4034.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	591.5	661.8	732.0	749.6	1168.1	1726.0	2004.9	2437.1	3301.4	3949.7	3992.2
115°	680.5	745.4	810.2	826.5	1178.8	1648.6	1883.5	2299.8	3132.5	3756.9	3816.0
117.5°	768.5	827.5	886.4	901.1	1200.8	1600.2	1800.0	2175.7	2927.2	3490.8	3556.2
120°	819.8	875.2	930.7	944.6	1218.6	1584.0	1766.6	2109.9	2796.5	3311.4	3375.1
122.5°	869.9	925.9	981.8	995.8	1244.2	1575.4	1741.0	2050.1	2668.4	3132.1	3194.9
125°	946.8	997.8	1048.7	1061.5	1278.7	1568.3	1713.1	1975.7	2500.9	2894.9	2952.6
127.5°	1009.1	1060.6	1112.1	1125.0	1313.2	1564.2	1689.7	1915.2	2366.2	2704.4	2753.1
130°	1042.6	1098.0	1153.4	1167.3	1338.5	1566.7	1680.8	1881.6	2283.1	2584.1	2629.2
132.5°	1077.1	1132.6	1188.0	1201.8	1358.8	1568.2	1672.9	1852.6	2212.1	2481.7	2522.0
135°	1128.4	1178.8	1229.3	1241.9	1381.2	1566.8	1659.6	1810.1	2111.0	2336.8	2371.6
137.5°	1180.7	1230.7	1280.6	1293.1	1414.5	1576.5	1657.4	1784.6	2039.1	2229.9	2258.4
140°	1224.1	1270.2	1316.2	1327.7	1435.0	1578.1	1649.6	1759.4	1979.3	2144.2	2170.8
142.5°	1257.5	1300.1	1342.7	1353.3	1452.0	1583.7	1649.6	1746.1	1939.2	2084.0	2106.9
145°	1308.8	1345.9	1383.0	1392.3	1474.3	1583.8	1638.5	1717.4	1875.3	1993.8	2011.1
147.5°	1360.0	1396.1	1432.3	1441.3	1507.0	1594.7	1638.5	1700.6	1824.9	1918.1	1932.4
150°	1393.4	1426.0	1458.7	1466.9	1524.1	1600.4	1638.5	1691.0	1795.9	1874.6	1886.2
152.5°	1427.9	1452.6	1477.5	1483.6	1535.2	1604.0	1638.5	1683.3	1772.8	1840.0	1848.8
155°	1479.2	1497.5	1515.8	1520.4	1559.8	1612.3	1638.5	1674.1	1745.3	1798.8	1804.6
157.5°	1517.0	1534.9	1552.7	1557.2	1584.3	1620.5	1638.5	1666.2	1721.6	1763.2	1767.3
160°	1542.6	1556.6	1570.4	1573.9	1595.4	1624.1	1638.5	1662.2	1709.7	1745.3	1747.7
162.5°	1568.2	1578.6	1589.0	1591.6	1607.3	1628.0	1638.5	1658.5	1698.6	1728.6	1730.9
165°	1596.1	1605.5	1614.9	1617.2	1624.3	1633.8	1638.5	1652.9	1681.5	1703.0	1705.4
167.5°	1621.7	1626.2	1630.6	1631.8	1637.7	1645.6	1649.6	1659.0	1677.9	1692.0	1692.9
170°	1638.5	1643.0	1647.4	1648.5	1648.8	1649.3	1649.6	1659.0	1677.9	1692.0	1692.0
172.5°	1647.3	1648.3	1649.3	1649.6	1649.6	1649.6	1649.6	1657.0	1671.9	1683.0	1682.1
175°	1659.6	1659.6	1659.6	1659.6	1656.3	1651.8	1649.6	1654.3	1663.7	1670.7	1670.7
177.5°	1659.6	1659.6	1659.6	1659.6	1657.1	1653.6	1651.8	1655.5	1663.0	1668.5	1667.5
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1946.8	1941.4	1946.8	1943.1	1944.9	1939.6	1923.4	1918.1	1923.4	1928.8	1928.8
5°	1970.1	1966.5	1970.1	1970.1	1968.3	1964.7	1946.8	1943.1	1946.8	1948.6	1944.9
7.5°	1977.3	1971.9	1977.3	1973.7	1973.7	1970.1	1952.2	1948.6	1950.4	1955.7	1950.4
10°	1977.3	1971.9	1977.3	1975.5	1973.7	1970.1	1952.2	1944.9	1944.9	1950.4	1944.9
12.5°	1968.3	1964.7	1968.3	1964.7	1964.7	1961.2	1943.1	1936.0	1937.8	1939.6	1932.4
15°	1953.9	1948.6	1953.9	1950.4	1952.2	1946.8	1927.0	1919.8	1919.8	1923.4	1910.8
17.5°	1932.4	1925.2	1932.4	1930.6	1928.8	1925.2	1907.3	1900.1	1898.2	1900.1	1891.1
20°	1907.3	1901.9	1907.3	1905.5	1905.5	1898.2	1880.3	1871.4	1871.4	1871.4	1862.4
22.5°	1867.7	1862.4	1867.7	1871.4	1871.4	1869.5	1853.3	1840.9	1837.2	1837.2	1826.5
25°	1822.8	1817.5	1822.8	1822.8	1821.0	1822.8	1817.5	1810.3	1804.9	1799.5	1788.7
27.5°	1779.7	1776.1	1779.7	1776.1	1779.7	1774.4	1772.6	1770.8	1763.5	1758.2	1743.8
30°	1736.7	1733.0	1736.7	1733.0	1729.5	1725.9	1716.9	1713.3	1720.5	1716.9	1693.6
32.5°	1682.8	1679.2	1682.8	1682.8	1679.2	1679.2	1664.8	1659.4	1661.3	1672.0	1650.5
35°	1627.1	1621.7	1627.1	1625.3	1627.1	1621.7	1612.7	1610.9	1603.8	1616.4	1600.2
37.5°	1562.4	1557.1	1562.4	1562.4	1562.4	1566.0	1558.9	1553.4	1542.7	1558.9	1546.3
40°	1496.0	1488.8	1496.0	1494.2	1496.0	1499.6	1496.0	1492.4	1481.7	1494.2	1483.4
42.5°	1420.6	1418.7	1420.6	1422.4	1422.4	1429.5	1435.0	1427.7	1424.2	1415.2	1422.4
45°	1339.7	1336.2	1339.7	1343.3	1345.2	1348.7	1364.9	1364.9	1359.5	1345.2	1355.9
47.5°	1253.5	1244.6	1253.5	1264.3	1264.3	1269.8	1285.9	1298.4	1289.5	1271.5	1276.9
50°	1161.9	1163.7	1161.9	1169.2	1169.2	1188.9	1201.5	1214.1	1223.0	1201.5	1176.3
52.5°	1072.1	1070.3	1072.1	1077.6	1084.7	1093.7	1115.2	1127.8	1142.2	1129.6	1090.2
55°	982.3	986.0	982.3	984.2	987.8	993.1	1025.4	1038.0	1065.0	1048.8	1007.5
57.5°	892.5	887.2	892.5	896.2	898.0	903.3	930.3	953.6	969.8	971.6	921.3
60°	788.4	781.2	788.4	804.6	808.2	811.7	836.9	858.4	872.8	878.2	826.1
62.5°	696.8	684.3	696.8	707.6	714.8	723.7	741.7	774.1	786.6	788.4	714.8
65°	599.8	594.5	599.8	621.4	623.1	633.9	653.8	677.1	704.0	700.4	594.5
67.5°	511.8	511.8	511.8	526.2	537.0	542.4	567.5	578.3	612.4	616.0	495.7
70°	431.0	429.3	431.0	441.8	449.0	461.6	484.9	497.5	524.4	533.4	402.3
72.5°	353.8	352.0	353.8	362.8	370.0	380.7	400.5	414.9	438.2	449.0	312.5
75°	285.5	282.0	285.5	292.7	290.9	305.3	321.4	335.8	357.4	364.5	231.6
77.5°	219.1	219.1	219.1	226.3	226.3	240.7	247.9	265.8	278.4	289.1	170.6
80°	163.4	161.7	163.4	165.2	165.2	172.4	185.0	197.5	208.3	208.3	116.8
82.5°	115.0	111.3	115.0	115.0	115.0	118.5	125.7	129.3	136.5	141.8	73.6
85°	71.9	71.9	71.9	73.6	71.9	75.4	77.2	80.8	80.8	77.2	44.9
87.5°	46.7	44.9	46.7	44.9	44.9	43.1	43.1	43.1	41.3	39.5	25.2
90°	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7	49.0	31.2
92.5°	169.5	135.9	169.5	203.2	211.6	300.0	417.8	476.7	418.5	302.2	214.9
95°	590.9	489.0	590.9	692.9	718.4	943.4	1243.4	1393.4	1176.8	743.6	418.8
97.5°	1416.0	1221.9	1416.0	1610.0	1658.5	1800.7	1990.3	2085.1	1723.9	1001.7	460.1
100°	2040.1	1808.9	2040.1	2271.3	2329.0	2318.7	2304.8	2297.9	1897.1	1095.6	494.5
102.5°	2654.0	2456.0	2654.0	2852.0	2901.6	2720.3	2478.8	2358.0	1951.6	1138.7	529.1
105°	3436.8	3330.4	3436.8	3543.3	3569.9	3163.7	2622.2	2351.3	1957.8	1170.7	580.3
107.5°	3949.6	3975.3	3949.6	3923.8	3917.4	3350.8	2595.4	2217.6	1870.6	1176.6	656.1
110°	4145.1	4256.0	4145.1	4034.2	4006.4	3373.0	2528.5	2106.2	1793.4	1167.6	698.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4162.6	4332.9	4162.6	3992.2	3949.7	3301.4	2437.1	2004.9	1726.0	1168.1	749.6
115°	4052.1	4288.2	4052.1	3816.0	3756.9	3132.5	2299.8	1883.5	1648.6	1178.8	826.5
117.5°	3818.1	4080.0	3818.1	3556.2	3490.8	2927.2	2175.7	1800.0	1600.2	1200.8	901.1
120°	3629.5	3884.0	3629.5	3375.1	3311.4	2796.5	2109.9	1766.6	1584.0	1218.6	944.6
122.5°	3445.8	3696.8	3445.8	3194.9	3132.1	2668.4	2050.1	1741.0	1575.4	1244.2	995.8
125°	3183.8	3415.0	3183.8	2952.6	2894.9	2500.9	1975.7	1713.1	1568.3	1278.7	1061.5
127.5°	2948.2	3143.3	2948.2	2753.1	2704.4	2366.2	1915.2	1689.7	1564.2	1313.2	1125.0
130°	2809.3	2989.6	2809.3	2629.2	2584.1	2283.1	1881.6	1680.8	1566.7	1338.5	1167.3
132.5°	2683.4	2844.8	2683.4	2522.0	2481.7	2212.1	1852.6	1672.9	1568.2	1358.8	1201.8
135°	2510.7	2649.8	2510.7	2371.6	2336.8	2111.0	1810.1	1659.6	1566.8	1381.2	1241.9
137.5°	2372.2	2486.1	2372.2	2258.4	2229.9	2039.1	1784.6	1657.4	1576.5	1414.5	1293.1
140°	2277.3	2383.7	2277.3	2170.8	2144.2	1979.3	1759.4	1649.6	1578.1	1435.0	1327.7
142.5°	2198.4	2290.0	2198.4	2106.9	2084.0	1939.2	1746.1	1649.6	1583.7	1452.0	1353.3
145°	2080.4	2149.7	2080.4	2011.1	1993.8	1875.3	1717.4	1638.5	1583.8	1474.3	1392.3
147.5°	1989.8	2047.2	1989.8	1932.4	1918.1	1824.9	1700.6	1638.5	1594.7	1507.0	1441.3
150°	1932.8	1979.3	1932.8	1886.2	1874.6	1795.9	1691.0	1638.5	1600.4	1524.1	1466.9
152.5°	1884.0	1919.1	1884.0	1848.8	1840.0	1772.8	1683.3	1638.5	1604.0	1535.2	1483.6
155°	1827.9	1851.2	1827.9	1804.6	1798.8	1745.3	1674.1	1638.5	1612.3	1559.8	1520.4
157.5°	1783.6	1800.0	1783.6	1767.3	1763.2	1721.6	1666.2	1638.5	1620.5	1584.3	1557.2
160°	1757.1	1766.6	1757.1	1747.7	1745.3	1709.7	1662.2	1638.5	1624.1	1595.4	1573.9
162.5°	1739.8	1748.7	1739.8	1730.9	1728.6	1698.6	1658.5	1638.5	1628.0	1607.3	1591.6
165°	1714.8	1724.2	1714.8	1705.4	1703.0	1681.5	1652.9	1638.5	1633.8	1624.3	1617.2
167.5°	1696.9	1700.8	1696.9	1692.9	1692.0	1677.9	1659.0	1649.6	1645.6	1637.7	1631.8
170°	1692.0	1692.0	1692.0	1692.0	1692.0	1677.9	1659.0	1649.6	1649.3	1648.8	1648.5
172.5°	1678.7	1675.2	1678.7	1682.1	1683.0	1671.9	1657.0	1649.6	1649.6	1649.6	1649.6
175°	1670.7	1670.7	1670.7	1670.7	1670.7	1663.7	1654.3	1649.6	1651.8	1656.3	1659.6
177.5°	1663.6	1659.6	1663.6	1667.5	1668.5	1663.0	1655.5	1651.8	1653.6	1657.1	1659.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1925.2	1914.4	1914.4	1896.5	1889.3	1883.9	1874.9	1848.0	1840.9	1833.6	1844.4
5°	1941.4	1921.6	1907.3	1874.9	1848.0	1837.2	1803.1	1738.5	1695.4	1663.0	1645.1
7.5°	1944.9	1919.8	1892.9	1842.6	1777.9	1749.2	1645.1	1526.6	1494.2	1465.5	1447.5
10°	1941.4	1912.6	1874.9	1799.5	1646.9	1596.5	1492.4	1415.2	1395.4	1390.1	1395.4
12.5°	1928.8	1901.9	1849.8	1724.1	1510.4	1476.2	1415.2	1370.3	1366.7	1375.7	1424.2
15°	1907.3	1882.1	1821.0	1623.5	1435.0	1409.8	1366.7	1350.5	1370.3	1433.1	1578.6
17.5°	1885.7	1857.0	1781.6	1524.8	1377.5	1359.5	1328.9	1361.3	1472.6	1557.1	1605.6
20°	1857.0	1822.8	1736.7	1452.9	1336.2	1320.0	1305.6	1451.1	1535.5	1566.0	1593.0
22.5°	1822.8	1786.9	1675.6	1402.6	1293.0	1280.5	1289.5	1501.4	1535.5	1557.1	1580.4
25°	1777.9	1747.4	1603.8	1363.1	1259.0	1244.6	1278.7	1496.0	1515.8	1521.1	1567.8
27.5°	1736.7	1697.1	1528.3	1327.1	1217.6	1212.3	1287.7	1472.6	1487.0	1492.4	1542.7
30°	1686.3	1627.1	1443.9	1289.5	1174.5	1172.7	1289.5	1443.9	1440.3	1454.7	1505.0
32.5°	1634.3	1522.9	1348.7	1242.8	1133.2	1131.4	1276.9	1400.8	1397.2	1416.9	1454.7
35°	1585.8	1442.1	1219.4	1188.9	1081.1	1082.9	1246.4	1350.5	1352.3	1370.3	1393.6
37.5°	1535.5	1372.0	1077.6	1129.6	1030.9	1030.9	1205.0	1303.9	1300.3	1305.6	1337.9
40°	1476.2	1262.5	951.8	1052.4	984.2	978.8	1154.8	1253.5	1241.0	1239.2	1284.0
42.5°	1413.4	1142.2	858.4	950.0	930.3	923.1	1093.7	1192.5	1169.2	1174.5	1232.0
45°	1345.2	1109.9	786.6	802.7	874.6	869.2	1027.2	1122.5	1106.3	1120.7	1180.0
47.5°	1276.9	1045.3	763.3	666.3	815.3	813.5	953.6	1054.2	1045.3	1059.6	1122.5
50°	1183.5	973.4	761.5	571.1	748.9	756.0	865.7	987.8	987.8	1000.4	1066.8
52.5°	1063.2	885.4	691.4	517.2	671.7	693.2	788.4	930.3	933.9	946.4	1005.7
55°	953.6	793.8	641.2	475.9	580.1	626.8	712.9	871.0	878.2	890.7	944.7
57.5°	853.1	660.9	630.4	427.4	495.7	540.6	646.5	813.5	817.1	827.9	880.0
60°	745.3	477.7	578.3	375.3	422.0	456.1	585.5	745.3	757.8	765.1	810.0
62.5°	623.1	346.6	524.4	339.5	386.1	393.3	535.2	680.6	696.8	702.2	729.2
65°	443.6	290.9	445.4	308.9	348.4	350.2	481.3	614.2	628.6	637.5	657.3
67.5°	299.9	237.1	339.5	280.2	319.6	321.4	429.3	537.0	556.7	564.0	576.5
70°	208.3	158.1	251.5	249.7	287.3	290.9	373.6	466.9	484.9	490.3	497.5
72.5°	152.6	127.5	208.3	224.5	253.2	256.8	316.1	387.9	405.9	411.2	414.9
75°	116.8	134.7	168.8	195.8	215.5	217.3	258.6	316.1	328.7	332.2	334.0
77.5°	93.4	125.7	123.9	158.1	176.0	172.4	203.0	244.2	255.0	255.0	255.0
80°	70.1	98.8	93.4	113.2	129.3	125.7	145.5	174.2	177.8	181.4	179.6
82.5°	52.0	62.8	62.8	71.9	86.2	82.7	96.9	113.2	113.2	113.2	116.8
85°	32.3	35.9	28.7	37.8	48.5	46.7	53.9	61.1	62.8	62.8	59.3
87.5°	19.7	16.2	9.0	14.4	21.5	21.5	25.2	27.0	25.2	25.2	25.2
90°	28.9	20.1	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4
92.5°	196.0	120.2	44.5	120.2	196.0	214.9	302.2	418.5	476.7	417.8	300.0
95°	384.2	245.6	106.9	245.6	384.2	418.8	743.6	1176.8	1393.4	1243.4	943.4
97.5°	429.4	307.2	184.9	307.2	429.4	460.1	1001.7	1723.9	2085.1	1990.3	1800.7
100°	466.8	355.9	245.0	355.9	466.8	494.5	1095.6	1897.1	2297.9	2304.8	2318.7
102.5°	503.2	399.7	296.3	399.7	503.2	529.1	1138.7	1951.6	2358.0	2478.8	2720.3
105°	558.4	470.8	383.2	470.8	558.4	580.3	1170.7	1957.8	2351.3	2622.2	3163.7
107.5°	635.6	554.0	472.3	554.0	635.6	656.1	1176.6	1870.6	2217.6	2595.4	3350.8
110°	679.9	606.2	532.4	606.2	679.9	698.4	1167.6	1793.4	2106.2	2528.5	3373.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	732.0	661.8	591.5	661.8	732.0	749.6	1168.1	1726.0	2004.9	2437.1	3301.4
115°	810.2	745.4	680.5	745.4	810.2	826.5	1178.8	1648.6	1883.5	2299.8	3132.5
117.5°	886.4	827.5	768.5	827.5	886.4	901.1	1200.8	1600.2	1800.0	2175.7	2927.2
120°	930.7	875.2	819.8	875.2	930.7	944.6	1218.6	1584.0	1766.6	2109.9	2796.5
122.5°	981.8	925.9	869.9	925.9	981.8	995.8	1244.2	1575.4	1741.0	2050.1	2668.4
125°	1048.7	997.8	946.8	997.8	1048.7	1061.5	1278.7	1568.3	1713.1	1975.7	2500.9
127.5°	1112.1	1060.6	1009.1	1060.6	1112.1	1125.0	1313.2	1564.2	1689.7	1915.2	2366.2
130°	1153.4	1098.0	1042.6	1098.0	1153.4	1167.3	1338.5	1566.7	1680.8	1881.6	2283.1
132.5°	1188.0	1132.6	1077.1	1132.6	1188.0	1201.8	1358.8	1568.2	1672.9	1852.6	2212.1
135°	1229.3	1178.8	1128.4	1178.8	1229.3	1241.9	1381.2	1566.8	1659.6	1810.1	2111.0
137.5°	1280.6	1230.7	1180.7	1230.7	1280.6	1293.1	1414.5	1576.5	1657.4	1784.6	2039.1
140°	1316.2	1270.2	1224.1	1270.2	1316.2	1327.7	1435.0	1578.1	1649.6	1759.4	1979.3
142.5°	1342.7	1300.1	1257.5	1300.1	1342.7	1353.3	1452.0	1583.7	1649.6	1746.1	1939.2
145°	1383.0	1345.9	1308.8	1345.9	1383.0	1392.3	1474.3	1583.8	1638.5	1717.4	1875.3
147.5°	1432.3	1396.1	1360.0	1396.1	1432.3	1441.3	1507.0	1594.7	1638.5	1700.6	1824.9
150°	1458.7	1426.0	1393.4	1426.0	1458.7	1466.9	1524.1	1600.4	1638.5	1691.0	1795.9
152.5°	1477.5	1452.6	1427.9	1452.6	1477.5	1483.6	1535.2	1604.0	1638.5	1683.3	1772.8
155°	1515.8	1497.5	1479.2	1497.5	1515.8	1520.4	1559.8	1612.3	1638.5	1674.1	1745.3
157.5°	1552.7	1534.9	1517.0	1534.9	1552.7	1557.2	1584.3	1620.5	1638.5	1666.2	1721.6
160°	1570.4	1556.6	1542.6	1556.6	1570.4	1573.9	1595.4	1624.1	1638.5	1662.2	1709.7
162.5°	1589.0	1578.6	1568.2	1578.6	1589.0	1591.6	1607.3	1628.0	1638.5	1658.5	1698.6
165°	1614.9	1605.5	1596.1	1605.5	1614.9	1617.2	1624.3	1633.8	1638.5	1652.9	1681.5
167.5°	1630.6	1626.2	1621.7	1626.2	1630.6	1631.8	1637.7	1645.6	1649.6	1659.0	1677.9
170°	1647.4	1643.0	1638.5	1643.0	1647.4	1648.5	1648.8	1649.3	1649.6	1659.0	1677.9
172.5°	1649.3	1648.3	1647.3	1648.3	1649.3	1649.6	1649.6	1649.6	1649.6	1657.0	1671.9
175°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1656.3	1651.8	1649.6	1654.3	1663.7
177.5°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1657.1	1653.6	1651.8	1655.5	1663.0
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935027

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1831.8	1826.5	1833.6	1813.9	1833.6	1826.5	1831.8	1844.4	1833.6	1840.9	1848.0
5°	1607.3	1598.3	1569.7	1546.3	1569.7	1598.3	1607.3	1645.1	1663.0	1695.4	1738.5
7.5°	1436.8	1429.5	1422.4	1408.0	1422.4	1429.5	1436.8	1447.5	1465.5	1494.2	1526.6
10°	1399.0	1400.8	1411.6	1409.8	1411.6	1400.8	1399.0	1395.4	1390.1	1395.4	1415.2
12.5°	1496.0	1512.2	1571.5	1567.8	1571.5	1512.2	1496.0	1424.2	1375.7	1366.7	1370.3
15°	1607.3	1612.7	1625.3	1627.1	1625.3	1612.7	1607.3	1578.6	1433.1	1370.3	1350.5
17.5°	1618.1	1619.9	1628.9	1628.9	1628.9	1619.9	1618.1	1605.6	1557.1	1472.6	1361.3
20°	1609.1	1612.7	1630.7	1634.3	1630.7	1612.7	1609.1	1593.0	1566.0	1535.5	1451.1
22.5°	1605.6	1612.7	1627.1	1625.3	1627.1	1612.7	1605.6	1580.4	1557.1	1535.5	1501.4
25°	1587.6	1587.6	1589.4	1591.2	1589.4	1587.6	1587.6	1567.8	1521.1	1515.8	1496.0
27.5°	1549.9	1553.4	1564.2	1562.4	1564.2	1553.4	1549.9	1542.7	1492.4	1487.0	1472.6
30°	1515.8	1512.2	1503.2	1496.0	1503.2	1512.2	1515.8	1505.0	1454.7	1440.3	1443.9
32.5°	1458.3	1449.3	1440.3	1435.0	1440.3	1449.3	1458.3	1454.7	1416.9	1397.2	1400.8
35°	1390.1	1391.9	1390.1	1384.6	1390.1	1391.9	1390.1	1393.6	1370.3	1352.3	1350.5
37.5°	1341.5	1345.2	1343.3	1336.2	1343.3	1345.2	1341.5	1337.9	1305.6	1300.3	1303.9
40°	1291.3	1293.0	1291.3	1285.9	1291.3	1293.0	1291.3	1284.0	1239.2	1241.0	1253.5
42.5°	1242.8	1241.0	1235.6	1232.0	1235.6	1241.0	1242.8	1232.0	1174.5	1169.2	1192.5
45°	1187.1	1188.9	1178.1	1172.7	1178.1	1188.9	1187.1	1180.0	1120.7	1106.3	1122.5
47.5°	1131.4	1131.4	1122.5	1117.0	1122.5	1131.4	1131.4	1122.5	1059.6	1045.3	1054.2
50°	1072.1	1070.3	1057.8	1056.0	1057.8	1070.3	1072.1	1066.8	1000.4	987.8	987.8
52.5°	1003.9	1003.9	1005.7	1009.3	1005.7	1003.9	1003.9	1005.7	946.4	933.9	930.3
55°	944.7	946.4	959.0	962.6	959.0	946.4	944.7	944.7	890.7	878.2	871.0
57.5°	883.6	883.6	892.5	892.5	892.5	883.6	883.6	880.0	827.9	817.1	813.5
60°	813.5	817.1	824.3	822.5	824.3	817.1	813.5	810.0	765.1	757.8	745.3
62.5°	739.9	743.6	745.3	741.7	745.3	743.6	739.9	729.2	702.2	696.8	680.6
65°	662.7	666.3	668.0	664.5	668.0	666.3	662.7	657.3	637.5	628.6	614.2
67.5°	583.7	581.9	580.1	587.3	580.1	581.9	583.7	576.5	564.0	556.7	537.0
70°	502.8	502.8	501.0	504.7	501.0	502.8	502.8	497.5	490.3	484.9	466.9
72.5°	416.7	414.9	422.0	416.7	422.0	414.9	416.7	414.9	411.2	405.9	387.9
75°	332.2	335.8	332.2	337.6	332.2	335.8	332.2	334.0	332.2	328.7	316.1
77.5°	253.2	256.8	253.2	253.2	253.2	256.8	253.2	255.0	255.0	255.0	244.2
80°	179.6	177.8	177.8	176.0	177.8	177.8	179.6	179.6	181.4	177.8	174.2
82.5°	115.0	113.2	113.2	116.8	113.2	113.2	115.0	116.8	113.2	113.2	113.2
85°	62.8	64.6	61.1	61.1	61.1	64.6	62.8	59.3	62.8	62.8	61.1
87.5°	23.4	21.5	21.5	21.5	21.5	21.5	23.4	25.2	25.2	25.2	27.0
90°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7
92.5°	211.6	203.2	169.5	135.9	169.5	203.2	211.6	300.0	417.8	476.7	418.5
95°	718.4	692.9	590.9	489.0	590.9	692.9	718.4	943.4	1243.4	1393.4	1176.8
97.5°	1658.5	1610.0	1416.0	1221.9	1416.0	1610.0	1658.5	1800.7	1990.3	2085.1	1723.9
100°	2329.0	2271.3	2040.1	1808.9	2040.1	2271.3	2329.0	2318.7	2304.8	2297.9	1897.1
102.5°	2901.6	2852.0	2654.0	2456.0	2654.0	2852.0	2901.6	2720.3	2478.8	2358.0	1951.6
105°	3569.9	3543.3	3436.8	3330.4	3436.8	3543.3	3569.9	3163.7	2622.2	2351.3	1957.8
107.5°	3917.4	3923.8	3949.6	3975.3	3949.6	3923.8	3917.4	3350.8	2595.4	2217.6	1870.6
110°	4006.4	4034.2	4145.1	4256.0	4145.1	4034.2	4006.4	3373.0	2528.5	2106.2	1793.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3949.7	3992.2	4162.6	4332.9	4162.6	3992.2	3949.7	3301.4	2437.1	2004.9	1726.0
115°	3756.9	3816.0	4052.1	4288.2	4052.1	3816.0	3756.9	3132.5	2299.8	1883.5	1648.6
117.5°	3490.8	3556.2	3818.1	4080.0	3818.1	3556.2	3490.8	2927.2	2175.7	1800.0	1600.2
120°	3311.4	3375.1	3629.5	3884.0	3629.5	3375.1	3311.4	2796.5	2109.9	1766.6	1584.0
122.5°	3132.1	3194.9	3445.8	3696.8	3445.8	3194.9	3132.1	2668.4	2050.1	1741.0	1575.4
125°	2894.9	2952.6	3183.8	3415.0	3183.8	2952.6	2894.9	2500.9	1975.7	1713.1	1568.3
127.5°	2704.4	2753.1	2948.2	3143.3	2948.2	2753.1	2704.4	2366.2	1915.2	1689.7	1564.2
130°	2584.1	2629.2	2809.3	2989.6	2809.3	2629.2	2584.1	2283.1	1881.6	1680.8	1566.7
132.5°	2481.7	2522.0	2683.4	2844.8	2683.4	2522.0	2481.7	2212.1	1852.6	1672.9	1568.2
135°	2336.8	2371.6	2510.7	2649.8	2510.7	2371.6	2336.8	2111.0	1810.1	1659.6	1566.8
137.5°	2229.9	2258.4	2372.2	2486.1	2372.2	2258.4	2229.9	2039.1	1784.6	1657.4	1576.5
140°	2144.2	2170.8	2277.3	2383.7	2277.3	2170.8	2144.2	1979.3	1759.4	1649.6	1578.1
142.5°	2084.0	2106.9	2198.4	2290.0	2198.4	2106.9	2084.0	1939.2	1746.1	1649.6	1583.7
145°	1993.8	2011.1	2080.4	2149.7	2080.4	2011.1	1993.8	1875.3	1717.4	1638.5	1583.8
147.5°	1918.1	1932.4	1989.8	2047.2	1989.8	1932.4	1918.1	1824.9	1700.6	1638.5	1594.7
150°	1874.6	1886.2	1932.8	1979.3	1932.8	1886.2	1874.6	1795.9	1691.0	1638.5	1600.4
152.5°	1840.0	1848.8	1884.0	1919.1	1884.0	1848.8	1840.0	1772.8	1683.3	1638.5	1604.0
155°	1798.8	1804.6	1827.9	1851.2	1827.9	1804.6	1798.8	1745.3	1674.1	1638.5	1612.3
157.5°	1763.2	1767.3	1783.6	1800.0	1783.6	1767.3	1763.2	1721.6	1666.2	1638.5	1620.5
160°	1745.3	1747.7	1757.1	1766.6	1757.1	1747.7	1745.3	1709.7	1662.2	1638.5	1624.1
162.5°	1728.6	1730.9	1739.8	1748.7	1739.8	1730.9	1728.6	1698.6	1658.5	1638.5	1628.0
165°	1703.0	1705.4	1714.8	1724.2	1714.8	1705.4	1703.0	1681.5	1652.9	1638.5	1633.8
167.5°	1692.0	1692.9	1696.9	1700.8	1696.9	1692.9	1692.0	1677.9	1659.0	1649.6	1645.6
170°	1692.0	1692.0	1692.0	1692.0	1692.0	1692.0	1692.0	1677.9	1659.0	1649.6	1649.3
172.5°	1683.0	1682.1	1678.7	1675.2	1678.7	1682.1	1683.0	1671.9	1657.0	1649.6	1649.6
175°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1663.7	1654.3	1649.6	1651.8
177.5°	1668.5	1667.5	1663.6	1659.6	1663.6	1667.5	1668.5	1663.0	1655.5	1651.8	1653.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1898.2	1898.2	1898.2	1898.2	1898.2
2.5°	1874.9	1883.9	1889.3	1896.5	1914.4
5°	1803.1	1837.2	1848.0	1874.9	1907.3
7.5°	1645.1	1749.2	1777.9	1842.6	1892.9
10°	1492.4	1596.5	1646.9	1799.5	1874.9
12.5°	1415.2	1476.2	1510.4	1724.1	1849.8
15°	1366.7	1409.8	1435.0	1623.5	1821.0
17.5°	1328.9	1359.5	1377.5	1524.8	1781.6
20°	1305.6	1320.0	1336.2	1452.9	1736.7
22.5°	1289.5	1280.5	1293.0	1402.6	1675.6
25°	1278.7	1244.6	1259.0	1363.1	1603.8
27.5°	1287.7	1212.3	1217.6	1327.1	1528.3
30°	1289.5	1172.7	1174.5	1289.5	1443.9
32.5°	1276.9	1131.4	1133.2	1242.8	1348.7
35°	1246.4	1082.9	1081.1	1188.9	1219.4
37.5°	1205.0	1030.9	1030.9	1129.6	1077.6
40°	1154.8	978.8	984.2	1052.4	951.8
42.5°	1093.7	923.1	930.3	950.0	858.4
45°	1027.2	869.2	874.6	802.7	786.6
47.5°	953.6	813.5	815.3	666.3	763.3
50°	865.7	756.0	748.9	571.1	761.5
52.5°	788.4	693.2	671.7	517.2	691.4
55°	712.9	626.8	580.1	475.9	641.2
57.5°	646.5	540.6	495.7	427.4	630.4
60°	585.5	456.1	422.0	375.3	578.3
62.5°	535.2	393.3	386.1	339.5	524.4
65°	481.3	350.2	348.4	308.9	445.4
67.5°	429.3	321.4	319.6	280.2	339.5
70°	373.6	290.9	287.3	249.7	251.5
72.5°	316.1	256.8	253.2	224.5	208.3
75°	258.6	217.3	215.5	195.8	168.8
77.5°	203.0	172.4	176.0	158.1	123.9
80°	145.5	125.7	129.3	113.2	93.4
82.5°	96.9	82.7	86.2	71.9	62.8
85°	53.9	46.7	48.5	37.8	28.7
87.5°	25.2	21.5	21.5	14.4	9.0
90°	49.0	31.2	28.9	20.1	11.2
92.5°	302.2	214.9	196.0	120.2	44.5
95°	743.6	418.8	384.2	245.6	106.9
97.5°	1001.7	460.1	429.4	307.2	184.9
100°	1095.6	494.5	466.8	355.9	245.0
102.5°	1138.7	529.1	503.2	399.7	296.3
105°	1170.7	580.3	558.4	470.8	383.2
107.5°	1176.6	656.1	635.6	554.0	472.3
110°	1167.6	698.4	679.9	606.2	532.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1168.1	749.6	732.0	661.8	591.5
115°	1178.8	826.5	810.2	745.4	680.5
117.5°	1200.8	901.1	886.4	827.5	768.5
120°	1218.6	944.6	930.7	875.2	819.8
122.5°	1244.2	995.8	981.8	925.9	869.9
125°	1278.7	1061.5	1048.7	997.8	946.8
127.5°	1313.2	1125.0	1112.1	1060.6	1009.1
130°	1338.5	1167.3	1153.4	1098.0	1042.6
132.5°	1358.8	1201.8	1188.0	1132.6	1077.1
135°	1381.2	1241.9	1229.3	1178.8	1128.4
137.5°	1414.5	1293.1	1280.6	1230.7	1180.7
140°	1435.0	1327.7	1316.2	1270.2	1224.1
142.5°	1452.0	1353.3	1342.7	1300.1	1257.5
145°	1474.3	1392.3	1383.0	1345.9	1308.8
147.5°	1507.0	1441.3	1432.3	1396.1	1360.0
150°	1524.1	1466.9	1458.7	1426.0	1393.4
152.5°	1535.2	1483.6	1477.5	1452.6	1427.9
155°	1559.8	1520.4	1515.8	1497.5	1479.2
157.5°	1584.3	1557.2	1552.7	1534.9	1517.0
160°	1595.4	1573.9	1570.4	1556.6	1542.6
162.5°	1607.3	1591.6	1589.0	1578.6	1568.2
165°	1624.3	1617.2	1614.9	1605.5	1596.1
167.5°	1637.7	1631.8	1630.6	1626.2	1621.7
170°	1648.8	1648.5	1647.4	1643.0	1638.5
172.5°	1649.6	1649.6	1649.3	1648.3	1647.3
175°	1656.3	1659.6	1659.6	1659.6	1659.6
177.5°	1657.1	1659.6	1659.6	1659.6	1659.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	8.94	9.65	10.04	10.75	12.27	11.79	12.51	12.89	13.60	15.12
	3H	9.40	10.04	10.51	11.15	12.68	13.13	13.77	14.24	14.88	16.41
	4H	9.59	10.20	10.71	11.30	12.84	13.57	14.18	14.69	15.29	16.82
	6H	9.70	10.26	10.83	11.37	12.92	13.85	14.41	14.98	15.52	17.07
	8H	9.70	10.23	10.83	11.35	12.90	13.93	14.46	15.06	15.59	17.13
	12H	9.66	10.17	10.80	11.29	12.85	13.96	14.47	15.10	15.59	17.15
4H	2H	9.96	10.57	11.09	11.67	13.21	12.18	12.79	13.31	13.90	15.43
	3H	10.97	11.48	12.11	12.61	14.16	13.68	14.18	14.81	15.32	16.87
	4H	11.24	11.71	12.38	12.83	14.40	14.20	14.67	15.34	15.79	17.36
	6H	11.36	11.76	12.50	12.90	14.46	14.57	14.97	15.71	16.11	17.67
	8H	11.36	11.73	12.50	12.87	14.45	14.67	15.05	15.82	16.18	17.76
	12H	11.32	11.66	12.48	12.81	14.39	14.73	15.06	15.89	16.21	17.80
8H	4H	11.69	12.06	12.83	13.20	14.77	14.32	14.69	15.46	15.83	17.40
	6H	11.94	12.25	13.11	13.43	15.00	14.75	15.06	15.92	16.24	17.81
	8H	11.98	12.25	13.15	13.41	15.00	14.91	15.17	16.08	16.33	17.93
	12H	11.96	12.20	13.13	13.35	14.98	15.00	15.24	16.18	16.39	18.02
12H	4H	11.69	12.02	12.85	13.17	14.76	14.27	14.61	15.43	15.76	17.34
	6H	12.00	12.27	13.17	13.43	15.02	14.75	15.02	15.92	16.18	17.77
	8H	12.06	12.30	13.24	13.45	15.08	14.91	15.14	16.08	16.30	17.93