

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: P936087

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936087
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

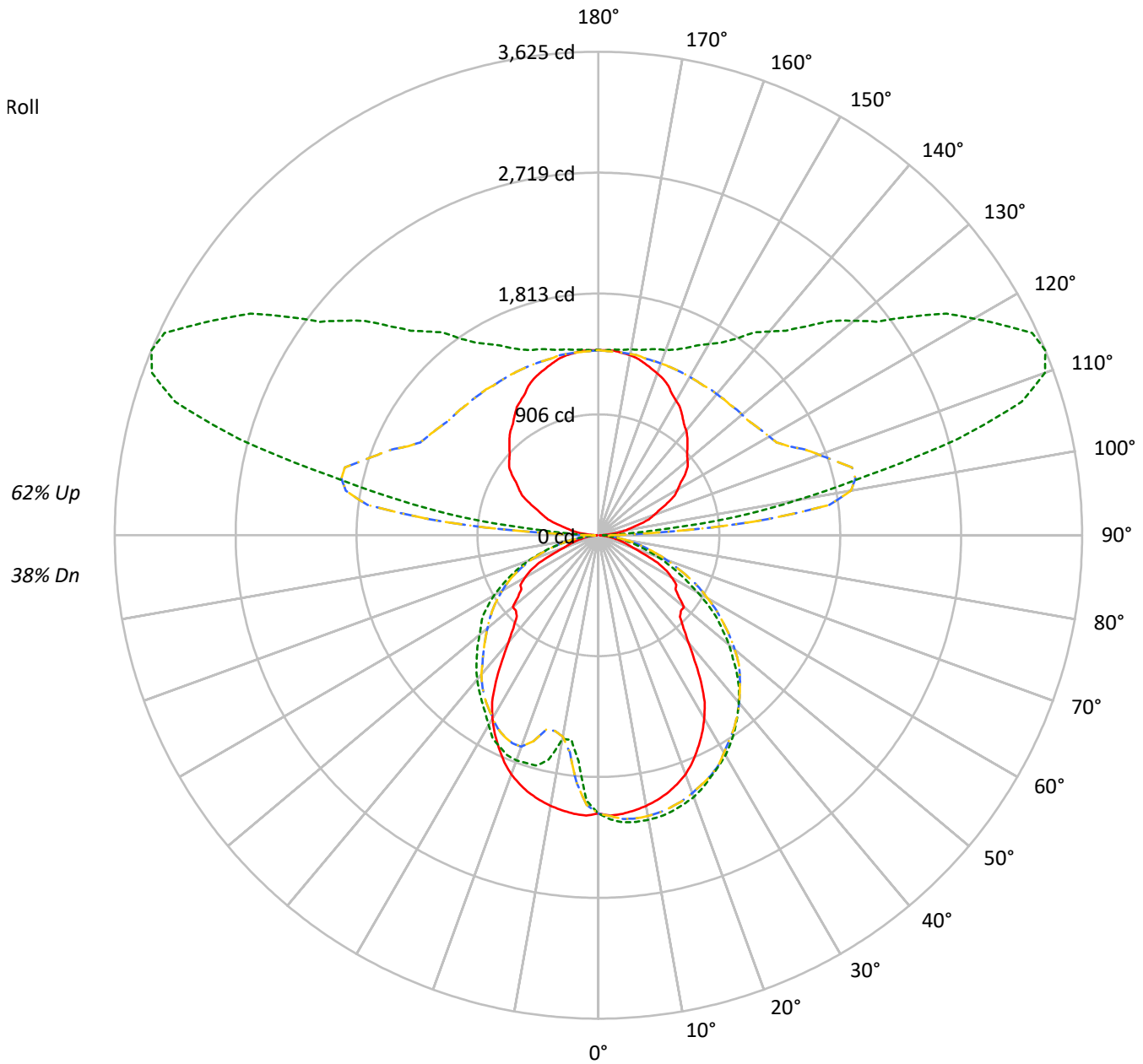
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14415.1 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 108.6
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	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12906	12906	12906	12906
5°	12997	13028	12997	10244
10°	12906	12833	12906	9175
15°	12761	12555	12761	10484
20°	12489	12226	12489	10506
25°	11937	11746	11937	10283
30°	11227	11347	11227	9794
35°	10004	10841	10004	9257
40°	8331	10248	8331	8851
45°	7439	9553	7439	8384
50°	7896	8724	7896	7916
55°	7424	7830	7424	7646
60°	7642	6651	7642	7002
65°	6918	5497	6918	6145
70°	4779	4381	4779	5151
75°	4176	3239	4176	3879
80°	3339	2142	3339	2331
85°	1884	1135	1884	964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11410 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	1.3
10°-20°	534.7	3.7
20°-30°	826.5	5.7
30°-40°	986.7	6.8
40°-50°	992.5	6.9
50°-60°	863.6	6.0
60°-70°	612.3	4.2
70°-80°	323.9	2.2
80°-90°	86.0	0.6
90°-100°	676.8	4.7
100°-110°	1779.3	12.3
110°-120°	1844.9	12.8
120°-130°	1479.9	10.3
130°-140°	1161.2	8.1
140°-150°	891.2	6.2
150°-160°	641.8	4.5
160°-170°	392.7	2.7
170°-180°	132.7	0.9
0°-30°	1549.6	10.7
0°-40°	2536.3	17.6
0°-60°	4392.4	30.5
0°-90°	5414.6	37.6
90°-120°	4301.0	29.8
90°-150°	7833.3	54.3
90°-180°	9001.0	62.4
0°-180°	14415.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2086	2086	2086	2086	2086	
5°	2096	2161	2096	1699	2096	199
15°	2001	2142	2001	1788	2001	563
25°	1762	1998	1762	1749	1762	809
35°	1340	1782	1340	1522	1340	829
45°	864	1468	864	1289	864	692
55°	705	1084	705	1058	705	647
65°	490	653	490	730	490	468
75°	186	310	186	371	186	195
85°	32	79	32	67	32	43
90°	9	36	9	36	9	9
95°	89	409	89	409	89	99
105°	320	2786	320	2786	320	340
115°	569	3588	569	3588	569	562
125°	792	2857	792	2857	792	703
135°	944	2217	944	2217	944	730
145°	1095	1798	1095	1798	1095	686
155°	1237	1549	1237	1549	1237	569
165°	1335	1442	1335	1442	1335	377
175°	1388	1398	1388	1398	1388	132
180°	1388	1388	1388	1388	1388	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2
2.5°	2104.0	2104.0	2115.9	2119.8	2119.8	2113.9	2107.9	2113.9	2131.6	2137.6	2135.6
5°	2096.1	2111.9	2133.6	2137.6	2141.5	2139.5	2135.6	2139.5	2159.2	2163.2	2165.2
7.5°	2080.3	2109.9	2137.6	2143.5	2149.4	2143.5	2141.5	2145.5	2165.2	2169.2	2169.2
10°	2060.6	2102.1	2133.6	2137.6	2143.5	2137.6	2137.6	2145.5	2165.2	2169.2	2171.1
12.5°	2032.9	2090.2	2119.8	2123.8	2131.6	2129.6	2127.7	2135.6	2155.3	2159.2	2159.2
15°	2001.4	2068.5	2096.1	2100.1	2113.9	2109.9	2109.9	2117.8	2139.5	2145.5	2143.5
17.5°	1957.9	2040.8	2072.5	2078.4	2088.2	2086.2	2088.2	2096.1	2115.9	2119.8	2121.8
20°	1908.6	2003.4	2040.8	2046.8	2056.6	2056.6	2056.6	2066.5	2086.2	2094.2	2094.2
22.5°	1841.5	1963.9	2003.4	2007.3	2019.2	2019.2	2023.1	2036.9	2054.6	2056.6	2056.6
25°	1762.5	1920.5	1954.1	1965.8	1977.7	1983.6	1989.5	1997.5	2003.4	2001.4	2003.4
27.5°	1679.7	1865.2	1908.6	1916.5	1932.3	1938.2	1946.1	1948.1	1950.1	1955.9	1952.1
30°	1586.9	1788.2	1853.4	1861.2	1886.9	1890.8	1882.9	1886.9	1896.8	1900.8	1904.7
32.5°	1482.2	1673.8	1796.1	1813.9	1837.5	1825.7	1823.8	1829.7	1845.5	1845.5	1849.4
35°	1340.2	1584.9	1742.8	1758.6	1776.4	1762.5	1770.5	1772.4	1782.2	1788.2	1786.2
37.5°	1184.2	1507.9	1687.5	1699.4	1713.2	1695.5	1707.2	1713.2	1721.1	1717.2	1717.2
40°	1046.1	1387.5	1622.4	1630.4	1642.2	1628.4	1640.2	1644.1	1648.1	1644.1	1642.2
42.5°	943.4	1255.3	1553.4	1563.2	1555.4	1565.2	1569.1	1577.1	1571.1	1563.2	1563.2
45°	864.5	1219.8	1478.4	1490.2	1478.4	1494.1	1500.1	1500.1	1482.2	1478.4	1476.4
47.5°	838.8	1148.7	1403.4	1403.4	1397.4	1417.1	1427.0	1413.2	1395.4	1389.5	1389.5
50°	836.8	1069.8	1300.7	1292.8	1320.4	1344.1	1334.2	1320.4	1306.7	1284.9	1284.9
52.5°	759.8	973.1	1168.4	1198.1	1241.5	1255.3	1239.5	1225.7	1202.0	1192.1	1184.2
55°	704.7	872.4	1048.1	1107.3	1152.7	1170.4	1140.8	1127.0	1091.5	1085.5	1081.7
57.5°	692.8	726.4	937.5	1012.5	1067.8	1065.8	1048.1	1022.4	992.8	986.8	984.9
60°	635.5	525.0	819.1	908.0	965.1	959.2	943.4	919.8	892.1	888.2	884.2
62.5°	576.3	381.0	684.8	785.5	866.5	864.5	850.7	815.1	795.4	785.5	777.7
65°	489.5	319.7	487.5	653.3	769.8	773.7	744.1	718.4	696.7	684.8	683.0
67.5°	373.0	260.6	329.6	544.7	677.0	673.1	635.5	623.7	596.1	590.1	578.3
70°	276.3	173.7	229.0	442.1	586.2	576.3	546.7	533.0	507.3	493.4	485.6
72.5°	229.0	140.1	167.7	343.4	493.4	481.6	456.0	440.1	418.4	406.6	398.7
75°	185.6	148.0	128.3	254.6	400.7	392.8	369.1	353.3	335.6	319.7	321.7
77.5°	136.2	138.1	102.6	187.5	317.7	306.0	292.1	272.4	264.4	248.7	248.7
80°	102.6	108.6	77.0	128.3	229.0	229.0	217.1	203.3	189.4	181.6	181.6
82.5°	69.1	69.1	57.3	80.9	156.0	150.0	142.1	138.1	130.3	126.3	126.3
85°	31.6	39.4	35.6	49.3	84.9	88.8	88.8	84.9	82.9	79.0	80.9
87.5°	9.9	17.7	21.7	27.6	43.4	45.4	47.4	47.4	47.4	49.3	49.3
90°	9.4	16.8	24.2	26.1	41.0	60.9	70.8	62.9	47.2	35.5	35.5
92.5°	37.3	100.6	164.0	179.9	252.9	350.2	398.8	349.5	251.0	177.1	170.0
95°	89.4	205.4	321.4	350.4	622.2	984.5	1165.7	1040.2	789.2	601.0	579.7
97.5°	154.7	257.0	359.3	384.9	838.0	1442.3	1744.4	1665.1	1506.4	1387.5	1346.9
100°	205.0	297.8	390.5	413.7	916.6	1587.1	1922.4	1928.2	1939.8	1948.5	1900.2
102.5°	247.9	334.5	421.0	442.6	952.7	1632.6	1972.7	2073.7	2275.8	2427.4	2385.9
105°	320.5	393.8	467.1	485.5	979.4	1637.8	1967.1	2193.6	2646.7	2986.5	2964.2
107.5°	395.1	463.4	531.8	548.8	984.2	1564.9	1855.2	2171.3	2803.2	3277.2	3282.6
110°	445.4	507.2	568.8	584.3	976.9	1500.3	1762.0	2115.3	2821.9	3351.7	3374.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	494.8	553.6	612.3	627.1	977.2	1443.9	1677.3	2038.8	2761.9	3304.2	3339.9
115°	569.3	623.6	677.9	691.4	986.1	1379.2	1575.7	1924.0	2620.6	3143.0	3192.4
117.5°	642.9	692.2	741.5	753.9	1004.6	1338.7	1505.9	1820.2	2448.8	2920.3	2975.1
120°	685.8	732.3	778.7	790.2	1019.4	1325.1	1477.9	1765.1	2339.5	2770.3	2823.5
122.5°	727.8	774.6	821.4	833.1	1040.8	1317.9	1456.5	1715.1	2232.3	2620.3	2672.8
125°	792.0	834.6	877.4	888.0	1069.7	1312.0	1433.1	1652.9	2092.2	2421.8	2470.1
127.5°	844.2	887.2	930.4	941.1	1098.6	1308.5	1413.5	1602.2	1979.5	2262.4	2303.2
130°	872.2	918.6	965.0	976.6	1119.8	1310.7	1406.2	1574.1	1909.9	2161.8	2199.5
132.5°	901.1	947.5	993.9	1005.5	1136.8	1312.0	1399.6	1549.9	1850.6	2076.1	2109.8
135°	943.9	986.1	1028.5	1039.0	1155.5	1310.7	1388.4	1514.3	1766.1	1954.9	1984.0
137.5°	987.7	1029.6	1071.4	1081.9	1183.4	1318.8	1386.5	1493.0	1705.8	1865.5	1889.3
140°	1024.1	1062.6	1101.1	1110.7	1200.5	1320.2	1380.1	1472.0	1655.8	1793.8	1816.0
142.5°	1052.0	1087.6	1123.3	1132.2	1214.8	1325.0	1380.1	1460.8	1622.3	1743.4	1762.5
145°	1094.9	1126.0	1157.1	1164.8	1233.4	1325.0	1370.7	1436.7	1568.9	1668.0	1682.4
147.5°	1137.7	1168.0	1198.2	1205.8	1260.7	1334.0	1370.7	1422.7	1526.6	1604.6	1616.6
150°	1165.7	1193.0	1220.3	1227.2	1275.0	1338.8	1370.7	1414.6	1502.4	1568.2	1578.0
152.5°	1194.6	1215.3	1236.0	1241.2	1284.3	1341.9	1370.7	1408.1	1483.1	1539.3	1546.7
155°	1237.4	1252.8	1268.1	1271.9	1304.9	1348.8	1370.7	1400.5	1460.1	1504.9	1509.7
157.5°	1269.1	1284.0	1299.0	1302.7	1325.4	1355.6	1370.7	1393.9	1440.3	1475.1	1478.5
160°	1290.6	1302.2	1313.7	1316.6	1334.6	1358.6	1370.7	1390.6	1430.4	1460.1	1462.1
162.5°	1312.0	1320.7	1329.4	1331.6	1344.6	1362.0	1370.7	1387.4	1421.0	1446.2	1448.1
165°	1335.3	1343.2	1351.0	1353.0	1358.8	1366.7	1370.7	1382.7	1406.8	1424.8	1426.8
167.5°	1356.8	1360.4	1364.2	1365.1	1370.1	1376.8	1380.1	1387.9	1403.7	1415.4	1416.2
170°	1370.7	1374.4	1378.2	1379.1	1379.4	1379.9	1380.1	1387.9	1403.7	1415.4	1415.4
172.5°	1378.2	1379.0	1379.9	1380.1	1380.1	1380.1	1380.1	1386.2	1398.7	1407.9	1407.2
175°	1388.4	1388.4	1388.4	1388.4	1385.6	1382.0	1380.1	1383.9	1391.8	1397.7	1397.7
177.5°	1388.4	1388.4	1388.4	1388.4	1386.2	1383.3	1381.9	1384.9	1391.2	1395.9	1395.1
180°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2
2.5°	2139.5	2133.6	2139.5	2135.6	2137.6	2131.6	2113.9	2107.9	2113.9	2119.8	2119.8
5°	2165.2	2161.2	2165.2	2165.2	2163.2	2159.2	2139.5	2135.6	2139.5	2141.5	2137.6
7.5°	2173.1	2167.2	2173.1	2169.2	2169.2	2165.2	2145.5	2141.5	2143.5	2149.4	2143.5
10°	2173.1	2167.2	2173.1	2171.1	2169.2	2165.2	2145.5	2137.6	2137.6	2143.5	2137.6
12.5°	2163.2	2159.2	2163.2	2159.2	2159.2	2155.3	2135.6	2127.7	2129.6	2131.6	2123.8
15°	2147.5	2141.5	2147.5	2143.5	2145.5	2139.5	2117.8	2109.9	2109.9	2113.9	2100.1
17.5°	2123.8	2115.9	2123.8	2121.8	2119.8	2115.9	2096.1	2088.2	2086.2	2088.2	2078.4
20°	2096.1	2090.2	2096.1	2094.2	2094.2	2086.2	2066.5	2056.6	2056.6	2056.6	2046.8
22.5°	2052.7	2046.8	2052.7	2056.6	2056.6	2054.6	2036.9	2023.1	2019.2	2019.2	2007.3
25°	2003.4	1997.5	2003.4	2003.4	2001.4	2003.4	1997.5	1989.5	1983.6	1977.7	1965.8
27.5°	1955.9	1952.1	1955.9	1952.1	1955.9	1950.1	1948.1	1946.1	1938.2	1932.3	1916.5
30°	1908.6	1904.7	1908.6	1904.7	1900.8	1896.8	1886.9	1882.9	1890.8	1886.9	1861.2
32.5°	1849.4	1845.5	1849.4	1849.4	1845.5	1845.5	1829.7	1823.8	1825.7	1837.5	1813.9
35°	1788.2	1782.2	1788.2	1786.2	1788.2	1782.2	1772.4	1770.5	1762.5	1776.4	1758.6
37.5°	1717.2	1711.2	1717.2	1717.2	1717.2	1721.1	1713.2	1707.2	1695.5	1713.2	1699.4
40°	1644.1	1636.2	1644.1	1642.2	1644.1	1648.1	1644.1	1640.2	1628.4	1642.2	1630.4
42.5°	1561.2	1559.2	1561.2	1563.2	1563.2	1571.1	1577.1	1569.1	1565.2	1555.4	1563.2
45°	1472.4	1468.5	1472.4	1476.4	1478.4	1482.2	1500.1	1500.1	1494.1	1478.4	1490.2
47.5°	1377.7	1367.8	1377.7	1389.5	1389.5	1395.4	1413.2	1427.0	1417.1	1397.4	1403.4
50°	1277.0	1279.0	1277.0	1284.9	1284.9	1306.7	1320.4	1334.2	1344.1	1320.4	1292.8
52.5°	1178.4	1176.4	1178.4	1184.2	1192.1	1202.0	1225.7	1239.5	1255.3	1241.5	1198.1
55°	1079.7	1083.5	1079.7	1081.7	1085.5	1091.5	1127.0	1140.8	1170.4	1152.7	1107.3
57.5°	981.0	975.0	981.0	984.9	986.8	992.8	1022.4	1048.1	1065.8	1067.8	1012.5
60°	866.5	858.6	866.5	884.2	888.2	892.1	919.8	943.4	959.2	965.1	908.0
62.5°	765.8	752.0	765.8	777.7	785.5	795.4	815.1	850.7	864.5	866.5	785.5
65°	659.3	653.3	659.3	683.0	684.8	696.7	718.4	744.1	773.7	769.8	653.3
67.5°	562.5	562.5	562.5	578.3	590.1	596.1	623.7	635.5	673.1	677.0	544.7
70°	473.7	471.7	473.7	485.6	493.4	507.3	533.0	546.7	576.3	586.2	442.1
72.5°	388.8	386.8	388.8	398.7	406.6	418.4	440.1	456.0	481.6	493.4	343.4
75°	313.8	309.9	313.8	321.7	319.7	335.6	353.3	369.1	392.8	400.7	254.6
77.5°	240.8	240.8	240.8	248.7	248.7	264.4	272.4	292.1	306.0	317.7	187.5
80°	179.6	177.7	179.6	181.6	181.6	189.4	203.3	217.1	229.0	229.0	128.3
82.5°	126.3	122.4	126.3	126.3	126.3	130.3	138.1	142.1	150.0	156.0	80.9
85°	79.0	79.0	79.0	80.9	79.0	82.9	84.9	88.8	88.8	84.9	49.3
87.5°	51.3	49.3	51.3	49.3	49.3	47.4	47.4	47.4	45.4	43.4	27.6
90°	35.5	35.5	35.5	35.5	35.5	47.2	62.9	70.8	60.9	41.0	26.1
92.5°	141.8	113.6	141.8	170.0	177.1	251.0	349.5	398.8	350.2	252.9	179.9
95°	494.3	409.1	494.3	579.7	601.0	789.2	1040.2	1165.7	984.5	622.2	350.4
97.5°	1184.5	1022.2	1184.5	1346.9	1387.5	1506.4	1665.1	1744.4	1442.3	838.0	384.9
100°	1706.7	1513.3	1706.7	1900.2	1948.5	1939.8	1928.2	1922.4	1587.1	916.6	413.7
102.5°	2220.3	2054.6	2220.3	2385.9	2427.4	2275.8	2073.7	1972.7	1632.6	952.7	442.6
105°	2875.2	2786.1	2875.2	2964.2	2986.5	2646.7	2193.6	1967.1	1637.8	979.4	485.5
107.5°	3304.1	3325.6	3304.1	3282.6	3277.2	2803.2	2171.3	1855.2	1564.9	984.2	548.8
110°	3467.7	3560.5	3467.7	3374.9	3351.7	2821.9	2115.3	1762.0	1500.3	976.9	584.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3482.3	3624.7	3482.3	3339.9	3304.2	2761.9	2038.8	1677.3	1443.9	977.2	627.1
115°	3389.9	3587.5	3389.9	3192.4	3143.0	2620.6	1924.0	1575.7	1379.2	986.1	691.4
117.5°	3194.2	3413.3	3194.2	2975.1	2920.3	2448.8	1820.2	1505.9	1338.7	1004.6	753.9
120°	3036.4	3249.3	3036.4	2823.5	2770.3	2339.5	1765.1	1477.9	1325.1	1019.4	790.2
122.5°	2882.7	3092.7	2882.7	2672.8	2620.3	2232.3	1715.1	1456.5	1317.9	1040.8	833.1
125°	2663.5	2856.9	2663.5	2470.1	2421.8	2092.2	1652.9	1433.1	1312.0	1069.7	888.0
127.5°	2466.4	2629.6	2466.4	2303.2	2262.4	1979.5	1602.2	1413.5	1308.5	1098.6	941.1
130°	2350.3	2501.0	2350.3	2199.5	2161.8	1909.9	1574.1	1406.2	1310.7	1119.8	976.6
132.5°	2244.8	2379.8	2244.8	2109.8	2076.1	1850.6	1549.9	1399.6	1312.0	1136.8	1005.5
135°	2100.5	2216.8	2100.5	1984.0	1954.9	1766.1	1514.3	1388.4	1310.7	1155.5	1039.0
137.5°	1984.6	2079.8	1984.6	1889.3	1865.5	1705.8	1493.0	1386.5	1318.8	1183.4	1081.9
140°	1905.0	1994.1	1905.0	1816.0	1793.8	1655.8	1472.0	1380.1	1320.2	1200.5	1110.7
142.5°	1839.2	1915.8	1839.2	1762.5	1743.4	1622.3	1460.8	1380.1	1325.0	1214.8	1132.2
145°	1740.4	1798.4	1740.4	1682.4	1668.0	1568.9	1436.7	1370.7	1325.0	1233.4	1164.8
147.5°	1664.6	1712.7	1664.6	1616.6	1604.6	1526.6	1422.7	1370.7	1334.0	1260.7	1205.8
150°	1616.9	1655.8	1616.9	1578.0	1568.2	1502.4	1414.6	1370.7	1338.8	1275.0	1227.2
152.5°	1576.1	1605.6	1576.1	1546.7	1539.3	1483.1	1408.1	1370.7	1341.9	1284.3	1241.2
155°	1529.2	1548.7	1529.2	1509.7	1504.9	1460.1	1400.5	1370.7	1348.8	1304.9	1271.9
157.5°	1492.2	1505.9	1492.2	1478.5	1475.1	1440.3	1393.9	1370.7	1355.6	1325.4	1302.7
160°	1470.0	1477.9	1470.0	1462.1	1460.1	1430.4	1390.6	1370.7	1358.6	1334.6	1316.6
162.5°	1455.5	1462.9	1455.5	1448.1	1446.2	1421.0	1387.4	1370.7	1362.0	1344.6	1331.6
165°	1434.5	1442.4	1434.5	1426.8	1424.8	1406.8	1382.7	1370.7	1366.7	1358.8	1353.0
167.5°	1419.6	1422.9	1419.6	1416.2	1415.4	1403.7	1387.9	1380.1	1376.8	1370.1	1365.1
170°	1415.4	1415.4	1415.4	1415.4	1415.4	1403.7	1387.9	1380.1	1379.9	1379.4	1379.1
172.5°	1404.4	1401.5	1404.4	1407.2	1407.9	1398.7	1386.2	1380.1	1380.1	1380.1	1380.1
175°	1397.7	1397.7	1397.7	1397.7	1397.7	1391.8	1383.9	1380.1	1382.0	1385.6	1388.4
177.5°	1391.7	1388.4	1391.7	1395.1	1395.9	1391.2	1384.9	1381.9	1383.3	1386.2	1388.4
180°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2
2.5°	2115.9	2104.0	2104.0	2084.2	2076.4	2070.5	2060.6	2030.9	2023.1	2015.2	2027.1
5°	2133.6	2111.9	2096.1	2060.6	2030.9	2019.2	1981.6	1910.6	1863.2	1827.7	1807.9
7.5°	2137.6	2109.9	2080.3	2025.1	1954.1	1922.4	1807.9	1677.7	1642.2	1610.5	1590.8
10°	2133.6	2102.1	2060.6	1977.7	1809.9	1754.7	1640.2	1555.4	1533.6	1527.7	1533.6
12.5°	2119.8	2090.2	2032.9	1894.8	1659.9	1622.4	1555.4	1506.0	1502.1	1511.9	1565.2
15°	2096.1	2068.5	2001.4	1784.2	1577.1	1549.4	1502.1	1484.2	1506.0	1575.1	1734.9
17.5°	2072.5	2040.8	1957.9	1675.7	1513.8	1494.1	1460.5	1496.1	1618.5	1711.2	1764.5
20°	2040.8	2003.4	1908.6	1596.8	1468.5	1450.7	1434.9	1594.8	1687.5	1721.1	1750.7
22.5°	2003.4	1963.9	1841.5	1541.5	1421.1	1407.2	1417.1	1650.1	1687.5	1711.2	1736.9
25°	1954.1	1920.5	1762.5	1498.1	1383.6	1367.8	1405.4	1644.1	1665.8	1671.8	1723.1
27.5°	1908.6	1865.2	1679.7	1458.6	1338.2	1332.2	1415.2	1618.5	1634.2	1640.2	1695.5
30°	1853.4	1788.2	1586.9	1417.1	1290.8	1288.8	1417.1	1586.9	1582.9	1598.8	1654.0
32.5°	1796.1	1673.8	1482.2	1365.8	1245.4	1243.5	1403.4	1539.5	1535.5	1557.2	1598.8
35°	1742.8	1584.9	1340.2	1306.7	1188.2	1190.1	1369.8	1484.2	1486.2	1506.0	1531.6
37.5°	1687.5	1507.9	1184.2	1241.5	1133.0	1133.0	1324.4	1432.9	1429.0	1434.9	1470.4
40°	1622.4	1387.5	1046.1	1156.7	1081.7	1075.7	1269.1	1377.7	1363.8	1361.9	1411.2
42.5°	1553.4	1255.3	943.4	1044.1	1022.4	1014.5	1202.0	1310.5	1284.9	1290.8	1354.0
45°	1478.4	1219.8	864.5	882.3	961.2	955.3	1129.0	1233.5	1215.8	1231.7	1296.8
47.5°	1403.4	1148.7	838.8	732.3	896.1	894.1	1048.1	1158.5	1148.7	1164.5	1233.5
50°	1300.7	1069.8	836.8	627.7	823.1	831.0	951.4	1085.5	1085.5	1099.4	1172.4
52.5°	1168.4	973.1	759.8	568.4	738.1	761.8	866.5	1022.4	1026.4	1040.1	1105.3
55°	1048.1	872.4	704.7	523.0	637.5	688.8	783.6	957.3	965.1	979.0	1038.2
57.5°	937.5	726.4	692.8	469.7	544.7	594.1	710.5	894.1	898.1	909.9	967.1
60°	819.1	525.0	635.5	412.5	463.8	501.3	643.4	819.1	833.0	840.8	890.1
62.5°	684.8	381.0	576.3	373.0	424.4	432.3	588.1	748.1	765.8	771.7	801.4
65°	487.5	319.7	489.5	339.4	382.9	384.9	529.0	675.0	690.8	700.7	722.4
67.5°	329.6	260.6	373.0	307.9	351.3	353.3	471.7	590.1	611.8	619.7	633.6
70°	229.0	173.7	276.3	274.4	315.8	319.7	410.6	513.1	533.0	538.8	546.7
72.5°	167.7	140.1	229.0	246.7	278.3	282.3	347.4	426.3	446.1	452.0	456.0
75°	128.3	148.0	185.6	215.1	236.8	238.8	284.3	347.4	361.1	365.1	367.1
77.5°	102.6	138.1	136.2	173.7	193.4	189.4	223.0	268.4	280.3	280.3	280.3
80°	77.0	108.6	102.6	124.3	142.1	138.1	159.9	191.4	195.4	199.3	197.4
82.5°	57.3	69.1	69.1	79.0	94.7	90.8	106.6	124.3	124.3	124.3	128.3
85°	35.6	39.4	31.6	41.4	53.3	51.3	59.3	67.1	69.1	69.1	65.1
87.5°	21.7	17.7	9.9	15.8	23.7	23.7	27.6	29.6	27.6	27.6	27.6
90°	24.2	16.8	9.4	16.8	24.2	26.1	41.0	60.9	70.8	62.9	47.2
92.5°	164.0	100.6	37.3	100.6	164.0	179.9	252.9	350.2	398.8	349.5	251.0
95°	321.4	205.4	89.4	205.4	321.4	350.4	622.2	984.5	1165.7	1040.2	789.2
97.5°	359.3	257.0	154.7	257.0	359.3	384.9	838.0	1442.3	1744.4	1665.1	1506.4
100°	390.5	297.8	205.0	297.8	390.5	413.7	916.6	1587.1	1922.4	1928.2	1939.8
102.5°	421.0	334.5	247.9	334.5	421.0	442.6	952.7	1632.6	1972.7	2073.7	2275.8
105°	467.1	393.8	320.5	393.8	467.1	485.5	979.4	1637.8	1967.1	2193.6	2646.7
107.5°	531.8	463.4	395.1	463.4	531.8	548.8	984.2	1564.9	1855.2	2171.3	2803.2
110°	568.8	507.2	445.4	507.2	568.8	584.3	976.9	1500.3	1762.0	2115.3	2821.9



TEST NUMBER: P936087

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	612.3	553.6	494.8	553.6	612.3	627.1	977.2	1443.9	1677.3	2038.8	2761.9
115°	677.9	623.6	569.3	623.6	677.9	691.4	986.1	1379.2	1575.7	1924.0	2620.6
117.5°	741.5	692.2	642.9	692.2	741.5	753.9	1004.6	1338.7	1505.9	1820.2	2448.8
120°	778.7	732.3	685.8	732.3	778.7	790.2	1019.4	1325.1	1477.9	1765.1	2339.5
122.5°	821.4	774.6	727.8	774.6	821.4	833.1	1040.8	1317.9	1456.5	1715.1	2232.3
125°	877.4	834.6	792.0	834.6	877.4	888.0	1069.7	1312.0	1433.1	1652.9	2092.2
127.5°	930.4	887.2	844.2	887.2	930.4	941.1	1098.6	1308.5	1413.5	1602.2	1979.5
130°	965.0	918.6	872.2	918.6	965.0	976.6	1119.8	1310.7	1406.2	1574.1	1909.9
132.5°	993.9	947.5	901.1	947.5	993.9	1005.5	1136.8	1312.0	1399.6	1549.9	1850.6
135°	1028.5	986.1	943.9	986.1	1028.5	1039.0	1155.5	1310.7	1388.4	1514.3	1766.1
137.5°	1071.4	1029.6	987.7	1029.6	1071.4	1081.9	1183.4	1318.8	1386.5	1493.0	1705.8
140°	1101.1	1062.6	1024.1	1062.6	1101.1	1110.7	1200.5	1320.2	1380.1	1472.0	1655.8
142.5°	1123.3	1087.6	1052.0	1087.6	1123.3	1132.2	1214.8	1325.0	1380.1	1460.8	1622.3
145°	1157.1	1126.0	1094.9	1126.0	1157.1	1164.8	1233.4	1325.0	1370.7	1436.7	1568.9
147.5°	1198.2	1168.0	1137.7	1168.0	1198.2	1205.8	1260.7	1334.0	1370.7	1422.7	1526.6
150°	1220.3	1193.0	1165.7	1193.0	1220.3	1227.2	1275.0	1338.8	1370.7	1414.6	1502.4
152.5°	1236.0	1215.3	1194.6	1215.3	1236.0	1241.2	1284.3	1341.9	1370.7	1408.1	1483.1
155°	1268.1	1252.8	1237.4	1252.8	1268.1	1271.9	1304.9	1348.8	1370.7	1400.5	1460.1
157.5°	1299.0	1284.0	1269.1	1284.0	1299.0	1302.7	1325.4	1355.6	1370.7	1393.9	1440.3
160°	1313.7	1302.2	1290.6	1302.2	1313.7	1316.6	1334.6	1358.6	1370.7	1390.6	1430.4
162.5°	1329.4	1320.7	1312.0	1320.7	1329.4	1331.6	1344.6	1362.0	1370.7	1387.4	1421.0
165°	1351.0	1343.2	1335.3	1343.2	1351.0	1353.0	1358.8	1366.7	1370.7	1382.7	1406.8
167.5°	1364.2	1360.4	1356.8	1360.4	1364.2	1365.1	1370.1	1376.8	1380.1	1387.9	1403.7
170°	1378.2	1374.4	1370.7	1374.4	1378.2	1379.1	1379.4	1379.9	1380.1	1387.9	1403.7
172.5°	1379.9	1379.0	1378.2	1379.0	1379.9	1380.1	1380.1	1380.1	1380.1	1386.2	1398.7
175°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1385.6	1382.0	1380.1	1383.9	1391.8
177.5°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1386.2	1383.3	1381.9	1384.9	1391.2
180°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4



TEST NUMBER: P936087

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2	2086.2
2.5°	2013.2	2007.3	2015.2	1993.5	2015.2	2007.3	2013.2	2027.1	2015.2	2023.1	2030.9
5°	1766.5	1756.6	1725.1	1699.4	1725.1	1756.6	1766.5	1807.9	1827.7	1863.2	1910.6
7.5°	1579.0	1571.1	1563.2	1547.4	1563.2	1571.1	1579.0	1590.8	1610.5	1642.2	1677.7
10°	1537.5	1539.5	1551.4	1549.4	1551.4	1539.5	1537.5	1533.6	1527.7	1533.6	1555.4
12.5°	1644.1	1661.9	1727.1	1723.1	1727.1	1661.9	1644.1	1565.2	1511.9	1502.1	1506.0
15°	1766.5	1772.4	1786.2	1788.2	1786.2	1772.4	1766.5	1734.9	1575.1	1506.0	1484.2
17.5°	1778.4	1780.4	1790.2	1790.2	1790.2	1780.4	1778.4	1764.5	1711.2	1618.5	1496.1
20°	1768.5	1772.4	1792.2	1796.1	1792.2	1772.4	1768.5	1750.7	1721.1	1687.5	1594.8
22.5°	1764.5	1772.4	1788.2	1786.2	1788.2	1772.4	1764.5	1736.9	1711.2	1687.5	1650.1
25°	1744.8	1744.8	1746.8	1748.8	1746.8	1744.8	1744.8	1723.1	1671.8	1665.8	1644.1
27.5°	1703.4	1707.2	1719.1	1717.2	1719.1	1707.2	1703.4	1695.5	1640.2	1634.2	1618.5
30°	1665.8	1661.9	1652.1	1644.1	1652.1	1661.9	1665.8	1654.0	1598.8	1582.9	1586.9
32.5°	1602.7	1592.8	1582.9	1577.1	1582.9	1592.8	1602.7	1598.8	1557.2	1535.5	1539.5
35°	1527.7	1529.7	1527.7	1521.8	1527.7	1529.7	1527.7	1531.6	1506.0	1486.2	1484.2
37.5°	1474.4	1478.4	1476.4	1468.5	1476.4	1478.4	1474.4	1470.4	1434.9	1429.0	1432.9
40°	1419.1	1421.1	1419.1	1413.2	1419.1	1421.1	1419.1	1411.2	1361.9	1363.8	1377.7
42.5°	1365.8	1363.8	1357.9	1354.0	1357.9	1363.8	1365.8	1354.0	1290.8	1284.9	1310.5
45°	1304.7	1306.7	1294.8	1288.8	1294.8	1306.7	1304.7	1296.8	1231.7	1215.8	1233.5
47.5°	1243.5	1243.5	1233.5	1227.7	1233.5	1243.5	1243.5	1233.5	1164.5	1148.7	1158.5
50°	1178.4	1176.4	1162.5	1160.5	1162.5	1176.4	1178.4	1172.4	1099.4	1085.5	1085.5
52.5°	1103.4	1103.4	1105.3	1109.2	1105.3	1103.4	1103.4	1105.3	1040.1	1026.4	1022.4
55°	1038.2	1040.1	1054.0	1058.0	1054.0	1040.1	1038.2	1038.2	979.0	965.1	957.3
57.5°	971.1	971.1	981.0	981.0	981.0	971.1	971.1	967.1	909.9	898.1	894.1
60°	894.1	898.1	906.0	904.0	906.0	898.1	894.1	890.1	840.8	833.0	819.1
62.5°	813.1	817.1	819.1	815.1	819.1	817.1	813.1	801.4	771.7	765.8	748.1
65°	728.3	732.3	734.3	730.3	734.3	732.3	728.3	722.4	700.7	690.8	675.0
67.5°	641.4	639.5	637.5	645.4	637.5	639.5	641.4	633.6	619.7	611.8	590.1
70°	552.7	552.7	550.7	554.6	550.7	552.7	552.7	546.7	538.8	533.0	513.1
72.5°	457.9	456.0	463.8	457.9	463.8	456.0	457.9	456.0	452.0	446.1	426.3
75°	365.1	369.1	365.1	371.1	365.1	369.1	365.1	367.1	365.1	361.1	347.4
77.5°	278.3	282.3	278.3	278.3	278.3	282.3	278.3	280.3	280.3	280.3	268.4
80°	197.4	195.4	195.4	193.4	195.4	195.4	197.4	197.4	199.3	195.4	191.4
82.5°	126.3	124.3	124.3	128.3	124.3	124.3	126.3	128.3	124.3	124.3	124.3
85°	69.1	71.0	67.1	67.1	67.1	71.0	69.1	65.1	69.1	69.1	67.1
87.5°	25.7	23.7	23.7	23.7	23.7	23.7	25.7	27.6	27.6	27.6	29.6
90°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	47.2	62.9	70.8	60.9
92.5°	177.1	170.0	141.8	113.6	141.8	170.0	177.1	251.0	349.5	398.8	350.2
95°	601.0	579.7	494.3	409.1	494.3	579.7	601.0	789.2	1040.2	1165.7	984.5
97.5°	1387.5	1346.9	1184.5	1022.2	1184.5	1346.9	1387.5	1506.4	1665.1	1744.4	1442.3
100°	1948.5	1900.2	1706.7	1513.3	1706.7	1900.2	1948.5	1939.8	1928.2	1922.4	1587.1
102.5°	2427.4	2385.9	2220.3	2054.6	2220.3	2385.9	2427.4	2275.8	2073.7	1972.7	1632.6
105°	2986.5	2964.2	2875.2	2786.1	2875.2	2964.2	2986.5	2646.7	2193.6	1967.1	1637.8
107.5°	3277.2	3282.6	3304.1	3325.6	3304.1	3282.6	3277.2	2803.2	2171.3	1855.2	1564.9
110°	3351.7	3374.9	3467.7	3560.5	3467.7	3374.9	3351.7	2821.9	2115.3	1762.0	1500.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3304.2	3339.9	3482.3	3624.7	3482.3	3339.9	3304.2	2761.9	2038.8	1677.3	1443.9
115°	3143.0	3192.4	3389.9	3587.5	3389.9	3192.4	3143.0	2620.6	1924.0	1575.7	1379.2
117.5°	2920.3	2975.1	3194.2	3413.3	3194.2	2975.1	2920.3	2448.8	1820.2	1505.9	1338.7
120°	2770.3	2823.5	3036.4	3249.3	3036.4	2823.5	2770.3	2339.5	1765.1	1477.9	1325.1
122.5°	2620.3	2672.8	2882.7	3092.7	2882.7	2672.8	2620.3	2232.3	1715.1	1456.5	1317.9
125°	2421.8	2470.1	2663.5	2856.9	2663.5	2470.1	2421.8	2092.2	1652.9	1433.1	1312.0
127.5°	2262.4	2303.2	2466.4	2629.6	2466.4	2303.2	2262.4	1979.5	1602.2	1413.5	1308.5
130°	2161.8	2199.5	2350.3	2501.0	2350.3	2199.5	2161.8	1909.9	1574.1	1406.2	1310.7
132.5°	2076.1	2109.8	2244.8	2379.8	2244.8	2109.8	2076.1	1850.6	1549.9	1399.6	1312.0
135°	1954.9	1984.0	2100.5	2216.8	2100.5	1984.0	1954.9	1766.1	1514.3	1388.4	1310.7
137.5°	1865.5	1889.3	1984.6	2079.8	1984.6	1889.3	1865.5	1705.8	1493.0	1386.5	1318.8
140°	1793.8	1816.0	1905.0	1994.1	1905.0	1816.0	1793.8	1655.8	1472.0	1380.1	1320.2
142.5°	1743.4	1762.5	1839.2	1915.8	1839.2	1762.5	1743.4	1622.3	1460.8	1380.1	1325.0
145°	1668.0	1682.4	1740.4	1798.4	1740.4	1682.4	1668.0	1568.9	1436.7	1370.7	1325.0
147.5°	1604.6	1616.6	1664.6	1712.7	1664.6	1616.6	1604.6	1526.6	1422.7	1370.7	1334.0
150°	1568.2	1578.0	1616.9	1655.8	1616.9	1578.0	1568.2	1502.4	1414.6	1370.7	1338.8
152.5°	1539.3	1546.7	1576.1	1605.6	1576.1	1546.7	1539.3	1483.1	1408.1	1370.7	1341.9
155°	1504.9	1509.7	1529.2	1548.7	1529.2	1509.7	1504.9	1460.1	1400.5	1370.7	1348.8
157.5°	1475.1	1478.5	1492.2	1505.9	1492.2	1478.5	1475.1	1440.3	1393.9	1370.7	1355.6
160°	1460.1	1462.1	1470.0	1477.9	1470.0	1462.1	1460.1	1430.4	1390.6	1370.7	1358.6
162.5°	1446.2	1448.1	1455.5	1462.9	1455.5	1448.1	1446.2	1421.0	1387.4	1370.7	1362.0
165°	1424.8	1426.8	1434.5	1442.4	1434.5	1426.8	1424.8	1406.8	1382.7	1370.7	1366.7
167.5°	1415.4	1416.2	1419.6	1422.9	1419.6	1416.2	1415.4	1403.7	1387.9	1380.1	1376.8
170°	1415.4	1415.4	1415.4	1415.4	1415.4	1415.4	1415.4	1403.7	1387.9	1380.1	1379.9
172.5°	1407.9	1407.2	1404.4	1401.5	1404.4	1407.2	1407.9	1398.7	1386.2	1380.1	1380.1
175°	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1391.8	1383.9	1380.1	1382.0
177.5°	1395.9	1395.1	1391.7	1388.4	1391.7	1395.1	1395.9	1391.2	1384.9	1381.9	1383.3
180°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2086.2	2086.2	2086.2	2086.2	2086.2
2.5°	2060.6	2070.5	2076.4	2084.2	2104.0
5°	1981.6	2019.2	2030.9	2060.6	2096.1
7.5°	1807.9	1922.4	1954.1	2025.1	2080.3
10°	1640.2	1754.7	1809.9	1977.7	2060.6
12.5°	1555.4	1622.4	1659.9	1894.8	2032.9
15°	1502.1	1549.4	1577.1	1784.2	2001.4
17.5°	1460.5	1494.1	1513.8	1675.7	1957.9
20°	1434.9	1450.7	1468.5	1596.8	1908.6
22.5°	1417.1	1407.2	1421.1	1541.5	1841.5
25°	1405.4	1367.8	1383.6	1498.1	1762.5
27.5°	1415.2	1332.2	1338.2	1458.6	1679.7
30°	1417.1	1288.8	1290.8	1417.1	1586.9
32.5°	1403.4	1243.5	1245.4	1365.8	1482.2
35°	1369.8	1190.1	1188.2	1306.7	1340.2
37.5°	1324.4	1133.0	1133.0	1241.5	1184.2
40°	1269.1	1075.7	1081.7	1156.7	1046.1
42.5°	1202.0	1014.5	1022.4	1044.1	943.4
45°	1129.0	955.3	961.2	882.3	864.5
47.5°	1048.1	894.1	896.1	732.3	838.8
50°	951.4	831.0	823.1	627.7	836.8
52.5°	866.5	761.8	738.1	568.4	759.8
55°	783.6	688.8	637.5	523.0	704.7
57.5°	710.5	594.1	544.7	469.7	692.8
60°	643.4	501.3	463.8	412.5	635.5
62.5°	588.1	432.3	424.4	373.0	576.3
65°	529.0	384.9	382.9	339.4	489.5
67.5°	471.7	353.3	351.3	307.9	373.0
70°	410.6	319.7	315.8	274.4	276.3
72.5°	347.4	282.3	278.3	246.7	229.0
75°	284.3	238.8	236.8	215.1	185.6
77.5°	223.0	189.4	193.4	173.7	136.2
80°	159.9	138.1	142.1	124.3	102.6
82.5°	106.6	90.8	94.7	79.0	69.1
85°	59.3	51.3	53.3	41.4	31.6
87.5°	27.6	23.7	23.7	15.8	9.9
90°	41.0	26.1	24.2	16.8	9.4
92.5°	252.9	179.9	164.0	100.6	37.3
95°	622.2	350.4	321.4	205.4	89.4
97.5°	838.0	384.9	359.3	257.0	154.7
100°	916.6	413.7	390.5	297.8	205.0
102.5°	952.7	442.6	421.0	334.5	247.9
105°	979.4	485.5	467.1	393.8	320.5
107.5°	984.2	548.8	531.8	463.4	395.1
110°	976.9	584.3	568.8	507.2	445.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	977.2	627.1	612.3	553.6	494.8
115°	986.1	691.4	677.9	623.6	569.3
117.5°	1004.6	753.9	741.5	692.2	642.9
120°	1019.4	790.2	778.7	732.3	685.8
122.5°	1040.8	833.1	821.4	774.6	727.8
125°	1069.7	888.0	877.4	834.6	792.0
127.5°	1098.6	941.1	930.4	887.2	844.2
130°	1119.8	976.6	965.0	918.6	872.2
132.5°	1136.8	1005.5	993.9	947.5	901.1
135°	1155.5	1039.0	1028.5	986.1	943.9
137.5°	1183.4	1081.9	1071.4	1029.6	987.7
140°	1200.5	1110.7	1101.1	1062.6	1024.1
142.5°	1214.8	1132.2	1123.3	1087.6	1052.0
145°	1233.4	1164.8	1157.1	1126.0	1094.9
147.5°	1260.7	1205.8	1198.2	1168.0	1137.7
150°	1275.0	1227.2	1220.3	1193.0	1165.7
152.5°	1284.3	1241.2	1236.0	1215.3	1194.6
155°	1304.9	1271.9	1268.1	1252.8	1237.4
157.5°	1325.4	1302.7	1299.0	1284.0	1269.1
160°	1334.6	1316.6	1313.7	1302.2	1290.6
162.5°	1344.6	1331.6	1329.4	1320.7	1312.0
165°	1358.8	1353.0	1351.0	1343.2	1335.3
167.5°	1370.1	1365.1	1364.2	1360.4	1356.8
170°	1379.4	1379.1	1378.2	1374.4	1370.7
172.5°	1380.1	1380.1	1379.9	1379.0	1378.2
175°	1385.6	1388.4	1388.4	1388.4	1388.4
177.5°	1386.2	1388.4	1388.4	1388.4	1388.4
180°	1388.4	1388.4	1388.4	1388.4	1388.4



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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	12.42	13.18	13.47	14.24	15.67	15.24	16.00	16.30	17.06	18.50
	3H	12.89	13.57	13.95	14.63	16.09	16.58	17.26	17.64	18.33	19.78
	4H	13.07	13.72	14.15	14.79	16.25	17.01	17.66	18.09	18.73	20.19
	6H	13.19	13.78	14.27	14.85	16.33	17.29	17.89	18.38	18.96	20.44
	8H	13.18	13.75	14.28	14.84	16.31	17.36	17.93	18.46	19.02	20.49
	12H	13.15	13.69	14.25	14.77	16.27	17.40	17.93	18.49	19.02	20.51
4H	2H	13.43	14.08	14.52	15.15	16.61	15.64	16.28	16.72	17.35	18.82
	3H	14.45	14.99	15.54	16.09	17.56	17.13	17.67	18.22	18.77	20.24
	4H	14.72	15.22	15.82	16.31	17.80	17.65	18.15	18.75	19.24	20.73
	6H	14.84	15.27	15.95	16.38	17.87	18.01	18.44	19.12	19.55	21.04
	8H	14.85	15.24	15.95	16.35	17.85	18.12	18.51	19.22	19.61	21.12
	12H	14.81	15.17	15.93	16.28	17.79	18.17	18.52	19.29	19.64	21.15
8H	4H	15.17	15.56	16.27	16.67	18.17	17.77	18.17	18.88	19.27	20.78
	6H	15.43	15.75	16.55	16.90	18.40	18.20	18.53	19.33	19.67	21.18
	8H	15.47	15.75	16.60	16.88	18.40	18.35	18.64	19.49	19.76	21.29
	12H	15.45	15.70	16.58	16.82	18.38	18.44	18.70	19.58	19.82	21.38
12H	4H	15.17	15.53	16.29	16.64	18.16	17.73	18.09	18.85	19.20	20.72
	6H	15.49	15.77	16.62	16.90	18.42	18.20	18.48	19.33	19.61	21.13
	8H	15.55	15.80	16.68	16.92	18.48	18.35	18.60	19.49	19.73	21.29