

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: P935691

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

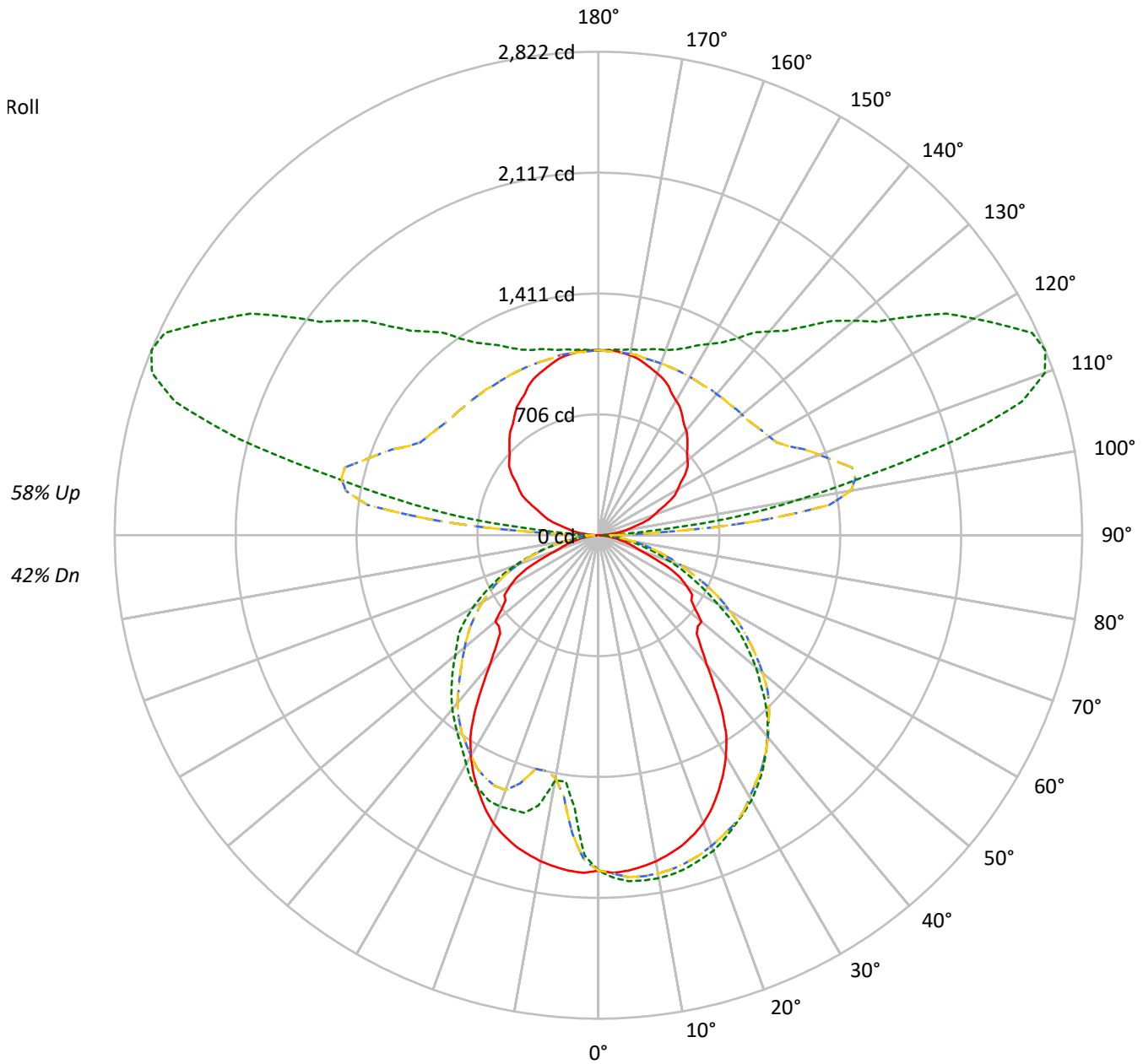
Test Method: LM-79-2019  
Report Number: P935691  
REPORT IS A COMBINATION OF REPORTS P933763 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12083.1 lumens  
Efficiency: N/A  
Efficacy: 125.1 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: General Diffuse  
  
Input Watts (W): 96.6  
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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12103	12103	12103	12103
5°	12188	12217	12188	9606
10°	12103	12034	12103	8603
15°	11966	11773	11966	9831
20°	11712	11465	11712	9852
25°	11194	11014	11194	9643
30°	10528	10640	10528	9185
35°	9382	10167	9382	8681
40°	7813	9610	7813	8301
45°	6976	8958	6976	7862
50°	7405	8180	7405	7423
55°	6961	7343	6961	7169
60°	7167	6236	7167	6566
65°	6488	5155	6488	5763
70°	4481	4108	4481	4831
75°	3915	3037	3915	3637
80°	3131	2008	3131	2186
85°	1765	1064	1765	905

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10699 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.6	1.5
10°-20°	501.4	4.1
20°-30°	775.1	6.4
30°-40°	925.3	7.7
40°-50°	930.7	7.7
50°-60°	809.8	6.7
60°-70°	574.2	4.8
70°-80°	303.8	2.5
80°-90°	79.8	0.7
90°-100°	526.8	4.4
100°-110°	1385.1	11.5
110°-120°	1436.2	11.9
120°-130°	1152.0	9.5
130°-140°	903.9	7.5
140°-150°	693.8	5.7
150°-160°	499.6	4.1
160°-170°	305.7	2.5
170°-180°	103.3	0.9
0°-30°	1453.1	12.0
0°-40°	2378.4	19.7
0°-60°	4118.9	34.1
0°-90°	5076.7	42.0
90°-120°	3348.1	27.7
90°-150°	6097.8	50.5
90°-180°	7006.0	58.0
0°-180°	12083.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1956	1956	1956	1956	1956	
5°	1966	2027	1966	1594	1966	186
15°	1877	2008	1877	1677	1877	528
25°	1653	1873	1653	1640	1653	759
35°	1257	1671	1257	1427	1257	778
45°	811	1377	811	1209	811	649
55°	661	1016	661	992	661	607
65°	459	613	459	685	459	439
75°	174	291	174	348	174	183
85°	30	74	30	63	30	40
90°	7	28	7	28	7	7
95°	70	318	70	318	70	77
105°	250	2169	250	2169	250	265
115°	443	2793	443	2793	443	438
125°	616	2224	616	2224	616	547
135°	735	1726	735	1726	735	569
145°	852	1400	852	1400	852	534
155°	963	1206	963	1206	963	443
165°	1039	1123	1039	1123	1039	293
175°	1081	1088	1081	1088	1081	103
180°	1081	1081	1081	1081	1081	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1973.1	1973.1	1984.2	1987.8	1987.8	1982.3	1976.7	1982.3	1998.9	2004.6	2002.7
5°	1965.6	1980.5	2000.8	2004.6	2008.2	2006.3	2002.7	2006.3	2024.8	2028.6	2030.4
7.5°	1950.8	1978.6	2004.6	2010.1	2015.6	2010.1	2008.2	2011.9	2030.4	2034.2	2034.2
10°	1932.4	1971.2	2000.8	2004.6	2010.1	2004.6	2004.6	2011.9	2030.4	2034.2	2035.9
12.5°	1906.4	1960.1	1987.8	1991.6	1998.9	1997.1	1995.2	2002.7	2021.2	2024.8	2024.8
15°	1876.8	1939.7	1965.6	1969.3	1982.3	1978.6	1978.6	1986.0	2006.3	2011.9	2010.1
17.5°	1836.1	1913.8	1943.5	1949.0	1958.2	1956.4	1958.2	1965.6	1984.2	1987.8	1989.7
20°	1789.8	1878.6	1913.8	1919.4	1928.6	1928.6	1928.6	1937.9	1956.4	1963.8	1963.8
22.5°	1726.9	1841.7	1878.6	1882.4	1893.5	1893.5	1897.1	1910.1	1926.7	1928.6	1928.6
25°	1652.8	1800.9	1832.4	1843.4	1854.6	1860.2	1865.7	1873.1	1878.6	1876.8	1878.6
27.5°	1575.1	1749.1	1789.8	1797.2	1812.1	1817.6	1824.9	1826.8	1828.7	1834.2	1830.5
30°	1488.1	1676.9	1738.0	1745.4	1769.5	1773.1	1765.7	1769.5	1778.7	1782.4	1786.1
32.5°	1390.0	1569.6	1684.3	1701.0	1723.1	1712.0	1710.2	1715.8	1730.6	1730.6	1734.3
35°	1256.8	1486.3	1634.3	1649.2	1665.8	1652.8	1660.3	1662.1	1671.3	1676.9	1675.0
37.5°	1110.5	1414.1	1582.5	1593.6	1606.6	1589.9	1601.0	1606.6	1614.0	1610.3	1610.3
40°	981.0	1301.2	1521.4	1528.9	1540.0	1527.0	1538.1	1541.8	1545.5	1541.8	1540.0
42.5°	884.7	1177.1	1456.7	1465.9	1458.5	1467.8	1471.4	1478.9	1473.3	1465.9	1465.9
45°	810.7	1143.9	1386.3	1397.5	1386.3	1401.1	1406.7	1406.7	1390.0	1386.3	1384.5
47.5°	786.6	1077.2	1316.0	1316.0	1310.4	1328.9	1338.1	1325.3	1308.5	1303.0	1303.0
50°	784.7	1003.2	1219.7	1212.3	1238.2	1260.4	1251.2	1238.2	1225.3	1205.0	1205.0
52.5°	712.5	912.5	1095.7	1123.5	1164.2	1177.1	1162.4	1149.4	1127.2	1117.9	1110.5
55°	660.8	818.1	982.8	1038.3	1080.9	1097.5	1069.8	1056.8	1023.6	1018.0	1014.3
57.5°	649.7	681.2	879.2	949.5	1001.3	999.5	982.8	958.8	931.0	925.4	923.6
60°	596.0	492.3	768.1	851.4	905.0	899.5	884.7	862.5	836.6	832.9	829.2
62.5°	540.4	357.3	642.2	736.6	812.6	810.7	797.7	764.4	745.9	736.6	729.3
65°	459.1	299.8	457.2	612.6	721.9	725.5	697.8	673.7	653.3	642.2	640.4
67.5°	349.8	244.3	309.1	510.8	634.8	631.2	596.0	584.9	559.0	553.4	542.3
70°	259.1	162.9	214.7	414.6	549.8	540.4	512.7	499.8	475.7	462.7	455.3
72.5°	214.7	131.4	157.3	322.0	462.7	451.6	427.6	412.7	392.4	381.3	373.9
75°	174.0	138.8	120.3	238.7	375.7	368.4	346.1	331.3	314.7	299.8	301.7
77.5°	127.7	129.5	96.2	175.9	297.9	286.9	273.9	255.4	248.0	233.2	233.2
80°	96.2	101.8	72.2	120.3	214.7	214.7	203.6	190.6	177.6	170.3	170.3
82.5°	64.8	64.8	53.7	75.8	146.3	140.7	133.3	129.5	122.2	118.4	118.4
85°	29.6	37.0	33.3	46.2	79.6	83.3	83.3	79.6	77.7	74.1	75.8
87.5°	9.2	16.6	20.4	25.9	40.7	42.6	44.5	44.5	44.5	46.2	46.2
90°	7.3	13.1	18.9	20.3	31.8	47.4	55.1	48.9	36.7	27.6	27.6
92.5°	29.0	78.4	127.7	140.0	196.8	272.5	310.5	272.1	195.4	137.9	132.3
95°	69.7	159.9	250.1	272.7	484.3	766.4	907.5	809.8	614.4	467.8	451.2
97.5°	120.4	200.0	279.6	299.5	652.3	1122.8	1357.9	1296.2	1172.7	1080.1	1048.5
100°	159.6	231.8	304.0	322.0	713.5	1235.5	1496.5	1500.9	1510.0	1516.7	1479.1
102.5°	193.0	260.3	327.7	344.6	741.6	1270.9	1535.6	1614.2	1771.6	1889.6	1857.4
105°	249.6	306.6	363.6	377.9	762.3	1275.0	1531.3	1707.6	2060.3	2324.8	2307.4
107.5°	307.6	360.7	413.9	427.2	766.3	1218.2	1444.2	1690.3	2182.2	2551.1	2555.3
110°	346.7	394.7	442.7	454.8	760.4	1167.9	1371.7	1646.6	2196.7	2609.2	2627.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	385.2	430.9	476.7	488.2	760.6	1124.0	1305.6	1587.1	2150.0	2572.1	2599.9
115°	443.2	485.4	527.7	538.3	767.7	1073.6	1226.6	1497.8	2040.0	2446.7	2485.2
117.5°	500.5	538.9	577.2	586.8	781.9	1042.1	1172.2	1416.9	1906.3	2273.4	2315.9
120°	533.9	570.0	606.1	615.1	793.5	1031.4	1150.4	1374.0	1821.1	2156.5	2198.0
122.5°	566.6	603.0	639.4	648.5	810.2	1025.9	1133.8	1335.2	1737.8	2039.8	2080.6
125°	616.5	649.8	682.9	691.3	832.8	1021.3	1115.7	1286.7	1628.7	1885.3	1922.9
127.5°	657.2	690.7	724.2	732.6	855.3	1018.7	1100.4	1247.3	1541.0	1761.2	1793.0
130°	678.9	715.1	751.1	760.2	871.6	1020.2	1094.6	1225.3	1486.7	1682.9	1712.2
132.5°	701.4	737.6	773.6	782.7	885.0	1021.3	1089.5	1206.5	1440.6	1616.1	1642.3
135°	734.8	767.7	800.5	808.8	899.4	1020.4	1080.8	1178.8	1374.8	1521.9	1544.5
137.5°	768.9	801.5	834.1	842.2	921.2	1026.7	1079.3	1162.2	1327.9	1452.2	1470.7
140°	797.2	827.2	857.1	864.6	934.5	1027.7	1074.3	1145.8	1289.0	1396.3	1413.7
142.5°	818.9	846.7	874.4	881.3	945.7	1031.4	1074.3	1137.1	1262.9	1357.2	1372.1
145°	852.3	876.5	900.7	906.7	960.2	1031.4	1067.0	1118.5	1221.3	1298.4	1309.7
147.5°	885.7	909.2	932.8	938.7	981.4	1038.5	1067.0	1107.4	1188.4	1249.1	1258.5
150°	907.5	928.8	950.0	955.3	992.6	1042.2	1067.0	1101.2	1169.6	1220.8	1228.4
152.5°	929.9	946.0	962.2	966.2	999.8	1044.6	1067.0	1096.1	1154.5	1198.3	1204.0
155°	963.3	975.3	987.1	990.1	1015.7	1049.9	1067.0	1090.3	1136.7	1171.5	1175.3
157.5°	988.0	999.6	1011.1	1014.0	1031.7	1055.2	1067.0	1085.0	1121.2	1148.3	1150.9
160°	1004.6	1013.7	1022.7	1025.0	1039.0	1057.7	1067.0	1082.5	1113.4	1136.7	1138.2
162.5°	1021.3	1028.1	1034.9	1036.6	1046.7	1060.3	1067.0	1080.1	1106.1	1125.8	1127.2
165°	1039.4	1045.6	1051.8	1053.3	1057.8	1063.9	1067.0	1076.3	1095.1	1109.1	1110.6
167.5°	1056.2	1059.1	1062.0	1062.7	1066.5	1071.7	1074.3	1080.5	1092.7	1101.8	1102.5
170°	1067.0	1069.9	1072.8	1073.5	1073.8	1074.1	1074.3	1080.5	1092.7	1101.8	1101.8
172.5°	1072.8	1073.4	1074.1	1074.3	1074.3	1074.3	1074.3	1079.1	1088.8	1096.0	1095.5
175°	1080.8	1080.8	1080.8	1080.8	1078.7	1075.8	1074.3	1077.4	1083.5	1088.1	1088.1
177.5°	1080.8	1080.8	1080.8	1080.8	1079.1	1076.8	1075.7	1078.1	1083.0	1086.6	1086.0
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	2006.3	2000.8	2006.3	2002.7	2004.6	1998.9	1982.3	1976.7	1982.3	1987.8	1987.8
5°	2030.4	2026.7	2030.4	2030.4	2028.6	2024.8	2006.3	2002.7	2006.3	2008.2	2004.6
7.5°	2037.8	2032.3	2037.8	2034.2	2034.2	2030.4	2011.9	2008.2	2010.1	2015.6	2010.1
10°	2037.8	2032.3	2037.8	2035.9	2034.2	2030.4	2011.9	2004.6	2004.6	2010.1	2004.6
12.5°	2028.6	2024.8	2028.6	2024.8	2024.8	2021.2	2002.7	1995.2	1997.1	1998.9	1991.6
15°	2013.8	2008.2	2013.8	2010.1	2011.9	2006.3	1986.0	1978.6	1978.6	1982.3	1969.3
17.5°	1991.6	1984.2	1991.6	1989.7	1987.8	1984.2	1965.6	1958.2	1956.4	1958.2	1949.0
20°	1965.6	1960.1	1965.6	1963.8	1963.8	1956.4	1937.9	1928.6	1928.6	1928.6	1919.4
22.5°	1924.9	1919.4	1924.9	1928.6	1928.6	1926.7	1910.1	1897.1	1893.5	1893.5	1882.4
25°	1878.6	1873.1	1878.6	1878.6	1876.8	1878.6	1873.1	1865.7	1860.2	1854.6	1843.4
27.5°	1834.2	1830.5	1834.2	1830.5	1834.2	1828.7	1826.8	1824.9	1817.6	1812.1	1797.2
30°	1789.8	1786.1	1789.8	1786.1	1782.4	1778.7	1769.5	1765.7	1773.1	1769.5	1745.4
32.5°	1734.3	1730.6	1734.3	1734.3	1730.6	1730.6	1715.8	1710.2	1712.0	1723.1	1701.0
35°	1676.9	1671.3	1676.9	1675.0	1676.9	1671.3	1662.1	1660.3	1652.8	1665.8	1649.2
37.5°	1610.3	1604.7	1610.3	1610.3	1610.3	1614.0	1606.6	1601.0	1589.9	1606.6	1593.6
40°	1541.8	1534.4	1541.8	1540.0	1541.8	1545.5	1541.8	1538.1	1527.0	1540.0	1528.9
42.5°	1464.0	1462.2	1464.0	1465.9	1465.9	1473.3	1478.9	1471.4	1467.8	1458.5	1465.9
45°	1380.7	1377.1	1380.7	1384.5	1386.3	1390.0	1406.7	1406.7	1401.1	1386.3	1397.5
47.5°	1291.9	1282.7	1291.9	1303.0	1303.0	1308.5	1325.3	1338.1	1328.9	1310.4	1316.0
50°	1197.5	1199.3	1197.5	1205.0	1205.0	1225.3	1238.2	1251.2	1260.4	1238.2	1212.3
52.5°	1105.0	1103.1	1105.0	1110.5	1117.9	1127.2	1149.4	1162.4	1177.1	1164.2	1123.5
55°	1012.5	1016.1	1012.5	1014.3	1018.0	1023.6	1056.8	1069.8	1097.5	1080.9	1038.3
57.5°	919.9	914.3	919.9	923.6	925.4	931.0	958.8	982.8	999.5	1001.3	949.5
60°	812.6	805.1	812.6	829.2	832.9	836.6	862.5	884.7	899.5	905.0	851.4
62.5°	718.2	705.2	718.2	729.3	736.6	745.9	764.4	797.7	810.7	812.6	736.6
65°	618.2	612.6	618.2	640.4	642.2	653.3	673.7	697.8	725.5	721.9	612.6
67.5°	527.5	527.5	527.5	542.3	553.4	559.0	584.9	596.0	631.2	634.8	510.8
70°	444.2	442.3	444.2	455.3	462.7	475.7	499.8	512.7	540.4	549.8	414.6
72.5°	364.6	362.8	364.6	373.9	381.3	392.4	412.7	427.6	451.6	462.7	322.0
75°	294.3	290.6	294.3	301.7	299.8	314.7	331.3	346.1	368.4	375.7	238.7
77.5°	225.8	225.8	225.8	233.2	233.2	248.0	255.4	273.9	286.9	297.9	175.9
80°	168.4	166.6	168.4	170.3	170.3	177.6	190.6	203.6	214.7	214.7	120.3
82.5°	118.4	114.8	118.4	118.4	118.4	122.2	129.5	133.3	140.7	146.3	75.8
85°	74.1	74.1	74.1	75.8	74.1	77.7	79.6	83.3	83.3	79.6	46.2
87.5°	48.1	46.2	48.1	46.2	46.2	44.5	44.5	44.5	42.6	40.7	25.9
90°	27.6	27.6	27.6	27.6	27.6	36.7	48.9	55.1	47.4	31.8	20.3
92.5°	110.4	88.4	110.4	132.3	137.9	195.4	272.1	310.5	272.5	196.8	140.0
95°	384.8	318.4	384.8	451.2	467.8	614.4	809.8	907.5	766.4	484.3	272.7
97.5°	922.1	795.8	922.1	1048.5	1080.1	1172.7	1296.2	1357.9	1122.8	652.3	299.5
100°	1328.6	1178.1	1328.6	1479.1	1516.7	1510.0	1500.9	1496.5	1235.5	713.5	322.0
102.5°	1728.4	1599.5	1728.4	1857.4	1889.6	1771.6	1614.2	1535.6	1270.9	741.6	344.6
105°	2238.1	2168.8	2238.1	2307.4	2324.8	2060.3	1707.6	1531.3	1275.0	762.3	377.9
107.5°	2572.0	2588.9	2572.0	2555.3	2551.1	2182.2	1690.3	1444.2	1218.2	766.3	427.2
110°	2699.4	2771.6	2699.4	2627.2	2609.2	2196.7	1646.6	1371.7	1167.9	760.4	454.8





TEST NUMBER: P935691

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2710.7	2821.7	2710.7	2599.9	2572.1	2150.0	1587.1	1305.6	1124.0	760.6	488.2
115°	2638.9	2792.7	2638.9	2485.2	2446.7	2040.0	1497.8	1226.6	1073.6	767.7	538.3
117.5°	2486.5	2657.0	2486.5	2315.9	2273.4	1906.3	1416.9	1172.2	1042.1	781.9	586.8
120°	2363.7	2529.4	2363.7	2198.0	2156.5	1821.1	1374.0	1150.4	1031.4	793.5	615.1
122.5°	2244.0	2407.5	2244.0	2080.6	2039.8	1737.8	1335.2	1133.8	1025.9	810.2	648.5
125°	2073.5	2224.0	2073.5	1922.9	1885.3	1628.7	1286.7	1115.7	1021.3	832.8	691.3
127.5°	1920.0	2047.0	1920.0	1793.0	1761.2	1541.0	1247.3	1100.4	1018.7	855.3	732.6
130°	1829.6	1946.9	1829.6	1712.2	1682.9	1486.7	1225.3	1094.6	1020.2	871.6	760.2
132.5°	1747.5	1852.6	1747.5	1642.3	1616.1	1440.6	1206.5	1089.5	1021.3	885.0	782.7
135°	1635.1	1725.7	1635.1	1544.5	1521.9	1374.8	1178.8	1080.8	1020.4	899.4	808.8
137.5°	1544.8	1619.0	1544.8	1470.7	1452.2	1327.9	1162.2	1079.3	1026.7	921.2	842.2
140°	1483.0	1552.3	1483.0	1413.7	1396.3	1289.0	1145.8	1074.3	1027.7	934.5	864.6
142.5°	1431.7	1491.4	1431.7	1372.1	1357.2	1262.9	1137.1	1074.3	1031.4	945.7	881.3
145°	1354.9	1400.0	1354.9	1309.7	1298.4	1221.3	1118.5	1067.0	1031.4	960.2	906.7
147.5°	1295.9	1333.3	1295.9	1258.5	1249.1	1188.4	1107.4	1067.0	1038.5	981.4	938.7
150°	1258.8	1289.0	1258.8	1228.4	1220.8	1169.6	1101.2	1067.0	1042.2	992.6	955.3
152.5°	1226.9	1249.8	1226.9	1204.0	1198.3	1154.5	1096.1	1067.0	1044.6	999.8	966.2
155°	1190.5	1205.6	1190.5	1175.3	1171.5	1136.7	1090.3	1067.0	1049.9	1015.7	990.1
157.5°	1161.5	1172.2	1161.5	1150.9	1148.3	1121.2	1085.0	1067.0	1055.2	1031.7	1014.0
160°	1144.3	1150.4	1144.3	1138.2	1136.7	1113.4	1082.5	1067.0	1057.7	1039.0	1025.0
162.5°	1133.0	1138.8	1133.0	1127.2	1125.8	1106.1	1080.1	1067.0	1060.3	1046.7	1036.6
165°	1116.8	1122.9	1116.8	1110.6	1109.1	1095.1	1076.3	1067.0	1063.9	1057.8	1053.3
167.5°	1105.0	1107.6	1105.0	1102.5	1101.8	1092.7	1080.5	1074.3	1071.7	1066.5	1062.7
170°	1101.8	1101.8	1101.8	1101.8	1101.8	1092.7	1080.5	1074.3	1074.1	1073.8	1073.5
172.5°	1093.2	1091.0	1093.2	1095.5	1096.0	1088.8	1079.1	1074.3	1074.3	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8	1078.7	1080.8
177.5°	1083.4	1080.8	1083.4	1086.0	1086.6	1083.0	1078.1	1075.7	1076.8	1079.1	1080.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935691

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1984.2	1973.1	1973.1	1954.5	1947.1	1941.6	1932.4	1904.5	1897.1	1889.8	1900.9
5°	2000.8	1980.5	1965.6	1932.4	1904.5	1893.5	1858.3	1791.7	1747.2	1713.9	1695.4
7.5°	2004.6	1978.6	1950.8	1899.0	1832.4	1802.7	1695.4	1573.2	1540.0	1510.3	1491.8
10°	2000.8	1971.2	1932.4	1854.6	1697.3	1645.4	1538.1	1458.5	1438.2	1432.6	1438.2
12.5°	1987.8	1960.1	1906.4	1776.8	1556.6	1521.4	1458.5	1412.2	1408.6	1417.8	1467.8
15°	1965.6	1939.7	1876.8	1673.2	1478.9	1452.9	1408.6	1391.8	1412.2	1477.0	1626.9
17.5°	1943.5	1913.8	1836.1	1571.4	1419.6	1401.1	1369.6	1403.0	1517.8	1604.7	1654.7
20°	1913.8	1878.6	1789.8	1497.4	1377.1	1360.4	1345.6	1495.5	1582.5	1614.0	1641.7
22.5°	1878.6	1841.7	1726.9	1445.6	1332.6	1319.6	1328.9	1547.4	1582.5	1604.7	1628.8
25°	1832.4	1800.9	1652.8	1404.8	1297.5	1282.7	1317.9	1541.8	1562.1	1567.7	1615.8
27.5°	1789.8	1749.1	1575.1	1367.8	1254.9	1249.3	1327.1	1517.8	1532.5	1538.1	1589.9
30°	1738.0	1676.9	1488.1	1328.9	1210.5	1208.6	1328.9	1488.1	1484.4	1499.3	1551.0
32.5°	1684.3	1569.6	1390.0	1280.8	1167.9	1166.1	1316.0	1443.7	1439.9	1460.3	1499.3
35°	1634.3	1486.3	1256.8	1225.3	1114.3	1116.0	1284.5	1391.8	1393.7	1412.2	1436.3
37.5°	1582.5	1414.1	1110.5	1164.2	1062.4	1062.4	1241.9	1343.7	1340.0	1345.6	1378.9
40°	1521.4	1301.2	981.0	1084.7	1014.3	1008.7	1190.1	1291.9	1278.9	1277.2	1323.4
42.5°	1456.7	1177.1	884.7	979.1	958.8	951.4	1127.2	1229.0	1205.0	1210.5	1269.7
45°	1386.3	1143.9	810.7	827.3	901.4	895.8	1058.7	1156.8	1140.1	1155.0	1216.1
47.5°	1316.0	1077.2	786.6	686.7	840.3	838.5	982.8	1086.4	1077.2	1092.0	1156.8
50°	1219.7	1003.2	784.7	588.6	771.9	779.2	892.2	1018.0	1018.0	1030.9	1099.4
52.5°	1095.7	912.5	712.5	533.0	692.2	714.4	812.6	958.8	962.5	975.4	1036.5
55°	982.8	818.1	660.8	490.4	597.9	646.0	734.8	897.7	905.0	918.0	973.6
57.5°	879.2	681.2	649.7	440.5	510.8	557.1	666.3	838.5	842.2	853.3	906.9
60°	768.1	492.3	596.0	386.9	435.0	470.1	603.4	768.1	781.1	788.5	834.7
62.5°	642.2	357.3	540.4	349.8	398.0	405.4	551.5	701.5	718.2	723.7	751.5
65°	457.2	299.8	459.1	318.3	359.0	360.9	496.0	633.0	647.8	657.1	677.4
67.5°	309.1	244.3	349.8	288.7	329.4	331.3	442.3	553.4	573.8	581.1	594.1
70°	214.7	162.9	259.1	257.3	296.2	299.8	385.0	481.2	499.8	505.3	512.7
72.5°	157.3	131.4	214.7	231.4	261.0	264.7	325.8	399.8	418.3	423.8	427.6
75°	120.3	138.8	174.0	201.7	222.1	224.0	266.6	325.8	338.7	342.4	344.3
77.5°	96.2	129.5	127.7	162.9	181.4	177.6	209.1	251.7	262.8	262.8	262.8
80°	72.2	101.8	96.2	116.6	133.3	129.5	149.9	179.5	183.3	186.9	185.1
82.5°	53.7	64.8	64.8	74.1	88.8	85.2	99.9	116.6	116.6	116.6	120.3
85°	33.3	37.0	29.6	38.9	50.0	48.1	55.6	63.0	64.8	64.8	61.1
87.5°	20.4	16.6	9.2	14.9	22.2	22.2	25.9	27.7	25.9	25.9	25.9
90°	18.9	13.1	7.3	13.1	18.9	20.3	31.8	47.4	55.1	48.9	36.7
92.5°	127.7	78.4	29.0	78.4	127.7	140.0	196.8	272.5	310.5	272.1	195.4
95°	250.1	159.9	69.7	159.9	250.1	272.7	484.3	766.4	907.5	809.8	614.4
97.5°	279.6	200.0	120.4	200.0	279.6	299.5	652.3	1122.8	1357.9	1296.2	1172.7
100°	304.0	231.8	159.6	231.8	304.0	322.0	713.5	1235.5	1496.5	1500.9	1510.0
102.5°	327.7	260.3	193.0	260.3	327.7	344.6	741.6	1270.9	1535.6	1614.2	1771.6
105°	363.6	306.6	249.6	306.6	363.6	377.9	762.3	1275.0	1531.3	1707.6	2060.3
107.5°	413.9	360.7	307.6	360.7	413.9	427.2	766.3	1218.2	1444.2	1690.3	2182.2
110°	442.7	394.7	346.7	394.7	442.7	454.8	760.4	1167.9	1371.7	1646.6	2196.7



TEST NUMBER: P935691

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	476.7	430.9	385.2	430.9	476.7	488.2	760.6	1124.0	1305.6	1587.1	2150.0
115°	527.7	485.4	443.2	485.4	527.7	538.3	767.7	1073.6	1226.6	1497.8	2040.0
117.5°	577.2	538.9	500.5	538.9	577.2	586.8	781.9	1042.1	1172.2	1416.9	1906.3
120°	606.1	570.0	533.9	570.0	606.1	615.1	793.5	1031.4	1150.4	1374.0	1821.1
122.5°	639.4	603.0	566.6	603.0	639.4	648.5	810.2	1025.9	1133.8	1335.2	1737.8
125°	682.9	649.8	616.5	649.8	682.9	691.3	832.8	1021.3	1115.7	1286.7	1628.7
127.5°	724.2	690.7	657.2	690.7	724.2	732.6	855.3	1018.7	1100.4	1247.3	1541.0
130°	751.1	715.1	678.9	715.1	751.1	760.2	871.6	1020.2	1094.6	1225.3	1486.7
132.5°	773.6	737.6	701.4	737.6	773.6	782.7	885.0	1021.3	1089.5	1206.5	1440.6
135°	800.5	767.7	734.8	767.7	800.5	808.8	899.4	1020.4	1080.8	1178.8	1374.8
137.5°	834.1	801.5	768.9	801.5	834.1	842.2	921.2	1026.7	1079.3	1162.2	1327.9
140°	857.1	827.2	797.2	827.2	857.1	864.6	934.5	1027.7	1074.3	1145.8	1289.0
142.5°	874.4	846.7	818.9	846.7	874.4	881.3	945.7	1031.4	1074.3	1137.1	1262.9
145°	900.7	876.5	852.3	876.5	900.7	906.7	960.2	1031.4	1067.0	1118.5	1221.3
147.5°	932.8	909.2	885.7	909.2	932.8	938.7	981.4	1038.5	1067.0	1107.4	1188.4
150°	950.0	928.8	907.5	928.8	950.0	955.3	992.6	1042.2	1067.0	1101.2	1169.6
152.5°	962.2	946.0	929.9	946.0	962.2	966.2	999.8	1044.6	1067.0	1096.1	1154.5
155°	987.1	975.3	963.3	975.3	987.1	990.1	1015.7	1049.9	1067.0	1090.3	1136.7
157.5°	1011.1	999.6	988.0	999.6	1011.1	1014.0	1031.7	1055.2	1067.0	1085.0	1121.2
160°	1022.7	1013.7	1004.6	1013.7	1022.7	1025.0	1039.0	1057.7	1067.0	1082.5	1113.4
162.5°	1034.9	1028.1	1021.3	1028.1	1034.9	1036.6	1046.7	1060.3	1067.0	1080.1	1106.1
165°	1051.8	1045.6	1039.4	1045.6	1051.8	1053.3	1057.8	1063.9	1067.0	1076.3	1095.1
167.5°	1062.0	1059.1	1056.2	1059.1	1062.0	1062.7	1066.5	1071.7	1074.3	1080.5	1092.7
170°	1072.8	1069.9	1067.0	1069.9	1072.8	1073.5	1073.8	1074.1	1074.3	1080.5	1092.7
172.5°	1074.1	1073.4	1072.8	1073.4	1074.1	1074.3	1074.3	1074.3	1074.3	1079.1	1088.8
175°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1078.7	1075.8	1074.3	1077.4	1083.5
177.5°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1079.1	1076.8	1075.7	1078.1	1083.0
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935691

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1887.9	1882.4	1889.8	1869.4	1889.8	1882.4	1887.9	1900.9	1889.8	1897.1	1904.5
5°	1656.5	1647.3	1617.7	1593.6	1617.7	1647.3	1656.5	1695.4	1713.9	1747.2	1791.7
7.5°	1480.7	1473.3	1465.9	1451.1	1465.9	1473.3	1480.7	1491.8	1510.3	1540.0	1573.2
10°	1441.8	1443.7	1454.8	1452.9	1454.8	1443.7	1441.8	1438.2	1432.6	1438.2	1458.5
12.5°	1541.8	1558.5	1619.6	1615.8	1619.6	1558.5	1541.8	1467.8	1417.8	1408.6	1412.2
15°	1656.5	1662.1	1675.0	1676.9	1675.0	1662.1	1656.5	1626.9	1477.0	1412.2	1391.8
17.5°	1667.7	1669.5	1678.8	1678.8	1678.8	1669.5	1667.7	1654.7	1604.7	1517.8	1403.0
20°	1658.4	1662.1	1680.6	1684.3	1680.6	1662.1	1658.4	1641.7	1614.0	1582.5	1495.5
22.5°	1654.7	1662.1	1676.9	1675.0	1676.9	1662.1	1654.7	1628.8	1604.7	1582.5	1547.4
25°	1636.2	1636.2	1638.0	1639.9	1638.0	1636.2	1636.2	1615.8	1567.7	1562.1	1541.8
27.5°	1597.3	1601.0	1612.1	1610.3	1612.1	1601.0	1597.3	1589.9	1538.1	1532.5	1517.8
30°	1562.1	1558.5	1549.2	1541.8	1549.2	1558.5	1562.1	1551.0	1499.3	1484.4	1488.1
32.5°	1502.9	1493.7	1484.4	1478.9	1484.4	1493.7	1502.9	1499.3	1460.3	1439.9	1443.7
35°	1432.6	1434.4	1432.6	1427.1	1432.6	1434.4	1432.6	1436.3	1412.2	1393.7	1391.8
37.5°	1382.6	1386.3	1384.5	1377.1	1384.5	1386.3	1382.6	1378.9	1345.6	1340.0	1343.7
40°	1330.8	1332.6	1330.8	1325.3	1330.8	1332.6	1330.8	1323.4	1277.2	1278.9	1291.9
42.5°	1280.8	1278.9	1273.4	1269.7	1273.4	1278.9	1280.8	1269.7	1210.5	1205.0	1229.0
45°	1223.4	1225.3	1214.2	1208.6	1214.2	1225.3	1223.4	1216.1	1155.0	1140.1	1156.8
47.5°	1166.1	1166.1	1156.8	1151.2	1156.8	1166.1	1166.1	1156.8	1092.0	1077.2	1086.4
50°	1105.0	1103.1	1090.2	1088.3	1090.2	1103.1	1105.0	1099.4	1030.9	1018.0	1018.0
52.5°	1034.7	1034.7	1036.5	1040.2	1036.5	1034.7	1034.7	1036.5	975.4	962.5	958.8
55°	973.6	975.4	988.4	992.1	988.4	975.4	973.6	973.6	918.0	905.0	897.7
57.5°	910.6	910.6	919.9	919.9	919.9	910.6	910.6	906.9	853.3	842.2	838.5
60°	838.5	842.2	849.6	847.7	849.6	842.2	838.5	834.7	788.5	781.1	768.1
62.5°	762.5	766.3	768.1	764.4	768.1	766.3	762.5	751.5	723.7	718.2	701.5
65°	682.9	686.7	688.5	684.8	688.5	686.7	682.9	677.4	657.1	647.8	633.0
67.5°	601.5	599.7	597.9	605.2	597.9	599.7	601.5	594.1	581.1	573.8	553.4
70°	518.3	518.3	516.4	520.1	516.4	518.3	518.3	512.7	505.3	499.8	481.2
72.5°	429.4	427.6	435.0	429.4	435.0	427.6	429.4	427.6	423.8	418.3	399.8
75°	342.4	346.1	342.4	348.0	342.4	346.1	342.4	344.3	342.4	338.7	325.8
77.5°	261.0	264.7	261.0	261.0	261.0	264.7	261.0	262.8	262.8	262.8	251.7
80°	185.1	183.3	183.3	181.4	183.3	183.3	185.1	185.1	186.9	183.3	179.5
82.5°	118.4	116.6	116.6	120.3	116.6	116.6	118.4	120.3	116.6	116.6	116.6
85°	64.8	66.6	63.0	63.0	63.0	66.6	64.8	61.1	64.8	64.8	63.0
87.5°	24.1	22.2	22.2	22.2	22.2	22.2	24.1	25.9	25.9	25.9	27.7
90°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	36.7	48.9	55.1	47.4
92.5°	137.9	132.3	110.4	88.4	110.4	132.3	137.9	195.4	272.1	310.5	272.5
95°	467.8	451.2	384.8	318.4	384.8	451.2	467.8	614.4	809.8	907.5	766.4
97.5°	1080.1	1048.5	922.1	795.8	922.1	1048.5	1080.1	1172.7	1296.2	1357.9	1122.8
100°	1516.7	1479.1	1328.6	1178.1	1328.6	1479.1	1516.7	1510.0	1500.9	1496.5	1235.5
102.5°	1889.6	1857.4	1728.4	1599.5	1728.4	1857.4	1889.6	1771.6	1614.2	1535.6	1270.9
105°	2324.8	2307.4	2238.1	2168.8	2238.1	2307.4	2324.8	2060.3	1707.6	1531.3	1275.0
107.5°	2551.1	2555.3	2572.0	2588.9	2572.0	2555.3	2551.1	2182.2	1690.3	1444.2	1218.2
110°	2609.2	2627.2	2699.4	2771.6	2699.4	2627.2	2609.2	2196.7	1646.6	1371.7	1167.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2572.1	2599.9	2710.7	2821.7	2710.7	2599.9	2572.1	2150.0	1587.1	1305.6	1124.0
115°	2446.7	2485.2	2638.9	2792.7	2638.9	2485.2	2446.7	2040.0	1497.8	1226.6	1073.6
117.5°	2273.4	2315.9	2486.5	2657.0	2486.5	2315.9	2273.4	1906.3	1416.9	1172.2	1042.1
120°	2156.5	2198.0	2363.7	2529.4	2363.7	2198.0	2156.5	1821.1	1374.0	1150.4	1031.4
122.5°	2039.8	2080.6	2244.0	2407.5	2244.0	2080.6	2039.8	1737.8	1335.2	1133.8	1025.9
125°	1885.3	1922.9	2073.5	2224.0	2073.5	1922.9	1885.3	1628.7	1286.7	1115.7	1021.3
127.5°	1761.2	1793.0	1920.0	2047.0	1920.0	1793.0	1761.2	1541.0	1247.3	1100.4	1018.7
130°	1682.9	1712.2	1829.6	1946.9	1829.6	1712.2	1682.9	1486.7	1225.3	1094.6	1020.2
132.5°	1616.1	1642.3	1747.5	1852.6	1747.5	1642.3	1616.1	1440.6	1206.5	1089.5	1021.3
135°	1521.9	1544.5	1635.1	1725.7	1635.1	1544.5	1521.9	1374.8	1178.8	1080.8	1020.4
137.5°	1452.2	1470.7	1544.8	1619.0	1544.8	1470.7	1452.2	1327.9	1162.2	1079.3	1026.7
140°	1396.3	1413.7	1483.0	1552.3	1483.0	1413.7	1396.3	1289.0	1145.8	1074.3	1027.7
142.5°	1357.2	1372.1	1431.7	1491.4	1431.7	1372.1	1357.2	1262.9	1137.1	1074.3	1031.4
145°	1298.4	1309.7	1354.9	1400.0	1354.9	1309.7	1298.4	1221.3	1118.5	1067.0	1031.4
147.5°	1249.1	1258.5	1295.9	1333.3	1295.9	1258.5	1249.1	1188.4	1107.4	1067.0	1038.5
150°	1220.8	1228.4	1258.8	1289.0	1258.8	1228.4	1220.8	1169.6	1101.2	1067.0	1042.2
152.5°	1198.3	1204.0	1226.9	1249.8	1226.9	1204.0	1198.3	1154.5	1096.1	1067.0	1044.6
155°	1171.5	1175.3	1190.5	1205.6	1190.5	1175.3	1171.5	1136.7	1090.3	1067.0	1049.9
157.5°	1148.3	1150.9	1161.5	1172.2	1161.5	1150.9	1148.3	1121.2	1085.0	1067.0	1055.2
160°	1136.7	1138.2	1144.3	1150.4	1144.3	1138.2	1136.7	1113.4	1082.5	1067.0	1057.7
162.5°	1125.8	1127.2	1133.0	1138.8	1133.0	1127.2	1125.8	1106.1	1080.1	1067.0	1060.3
165°	1109.1	1110.6	1116.8	1122.9	1116.8	1110.6	1109.1	1095.1	1076.3	1067.0	1063.9
167.5°	1101.8	1102.5	1105.0	1107.6	1105.0	1102.5	1101.8	1092.7	1080.5	1074.3	1071.7
170°	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1092.7	1080.5	1074.3	1074.1
172.5°	1096.0	1095.5	1093.2	1091.0	1093.2	1095.5	1096.0	1088.8	1079.1	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8
177.5°	1086.6	1086.0	1083.4	1080.8	1083.4	1086.0	1086.6	1083.0	1078.1	1075.7	1076.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1932.4	1941.6	1947.1	1954.5	1973.1
5°	1858.3	1893.5	1904.5	1932.4	1965.6
7.5°	1695.4	1802.7	1832.4	1899.0	1950.8
10°	1538.1	1645.4	1697.3	1854.6	1932.4
12.5°	1458.5	1521.4	1556.6	1776.8	1906.4
15°	1408.6	1452.9	1478.9	1673.2	1876.8
17.5°	1369.6	1401.1	1419.6	1571.4	1836.1
20°	1345.6	1360.4	1377.1	1497.4	1789.8
22.5°	1328.9	1319.6	1332.6	1445.6	1726.9
25°	1317.9	1282.7	1297.5	1404.8	1652.8
27.5°	1327.1	1249.3	1254.9	1367.8	1575.1
30°	1328.9	1208.6	1210.5	1328.9	1488.1
32.5°	1316.0	1166.1	1167.9	1280.8	1390.0
35°	1284.5	1116.0	1114.3	1225.3	1256.8
37.5°	1241.9	1062.4	1062.4	1164.2	1110.5
40°	1190.1	1008.7	1014.3	1084.7	981.0
42.5°	1127.2	951.4	958.8	979.1	884.7
45°	1058.7	895.8	901.4	827.3	810.7
47.5°	982.8	838.5	840.3	686.7	786.6
50°	892.2	779.2	771.9	588.6	784.7
52.5°	812.6	714.4	692.2	533.0	712.5
55°	734.8	646.0	597.9	490.4	660.8
57.5°	666.3	557.1	510.8	440.5	649.7
60°	603.4	470.1	435.0	386.9	596.0
62.5°	551.5	405.4	398.0	349.8	540.4
65°	496.0	360.9	359.0	318.3	459.1
67.5°	442.3	331.3	329.4	288.7	349.8
70°	385.0	299.8	296.2	257.3	259.1
72.5°	325.8	264.7	261.0	231.4	214.7
75°	266.6	224.0	222.1	201.7	174.0
77.5°	209.1	177.6	181.4	162.9	127.7
80°	149.9	129.5	133.3	116.6	96.2
82.5°	99.9	85.2	88.8	74.1	64.8
85°	55.6	48.1	50.0	38.9	29.6
87.5°	25.9	22.2	22.2	14.9	9.2
90°	31.8	20.3	18.9	13.1	7.3
92.5°	196.8	140.0	127.7	78.4	29.0
95°	484.3	272.7	250.1	159.9	69.7
97.5°	652.3	299.5	279.6	200.0	120.4
100°	713.5	322.0	304.0	231.8	159.6
102.5°	741.6	344.6	327.7	260.3	193.0
105°	762.3	377.9	363.6	306.6	249.6
107.5°	766.3	427.2	413.9	360.7	307.6
110°	760.4	454.8	442.7	394.7	346.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	760.6	488.2	476.7	430.9	385.2
115°	767.7	538.3	527.7	485.4	443.2
117.5°	781.9	586.8	577.2	538.9	500.5
120°	793.5	615.1	606.1	570.0	533.9
122.5°	810.2	648.5	639.4	603.0	566.6
125°	832.8	691.3	682.9	649.8	616.5
127.5°	855.3	732.6	724.2	690.7	657.2
130°	871.6	760.2	751.1	715.1	678.9
132.5°	885.0	782.7	773.6	737.6	701.4
135°	899.4	808.8	800.5	767.7	734.8
137.5°	921.2	842.2	834.1	801.5	768.9
140°	934.5	864.6	857.1	827.2	797.2
142.5°	945.7	881.3	874.4	846.7	818.9
145°	960.2	906.7	900.7	876.5	852.3
147.5°	981.4	938.7	932.8	909.2	885.7
150°	992.6	955.3	950.0	928.8	907.5
152.5°	999.8	966.2	962.2	946.0	929.9
155°	1015.7	990.1	987.1	975.3	963.3
157.5°	1031.7	1014.0	1011.1	999.6	988.0
160°	1039.0	1025.0	1022.7	1013.7	1004.6
162.5°	1046.7	1036.6	1034.9	1028.1	1021.3
165°	1057.8	1053.3	1051.8	1045.6	1039.4
167.5°	1066.5	1062.7	1062.0	1059.1	1056.2
170°	1073.8	1073.5	1072.8	1069.9	1067.0
172.5°	1074.3	1074.3	1074.1	1073.4	1072.8
175°	1078.7	1080.8	1080.8	1080.8	1080.8
177.5°	1079.1	1080.8	1080.8	1080.8	1080.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8



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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	12.68	13.47	13.70	14.50	15.89	15.50	16.30	16.53	17.33	18.71
	3H	13.15	13.86	14.18	14.90	16.30	16.84	17.55	17.88	18.59	19.99
	4H	13.34	14.01	14.38	15.06	16.46	17.28	17.96	18.33	19.00	20.41
	6H	13.46	14.08	14.51	15.12	16.54	17.56	18.18	18.62	19.23	20.65
	8H	13.45	14.04	14.51	15.11	16.52	17.63	18.22	18.69	19.29	20.70
	12H	13.42	13.98	14.49	15.04	16.48	17.67	18.23	18.73	19.29	20.73
4H	2H	13.70	14.38	14.75	15.42	16.83	15.91	16.58	16.96	17.62	19.03
	3H	14.72	15.28	15.78	16.35	17.78	17.40	17.96	18.46	19.03	20.46
	4H	15.00	15.51	16.06	16.57	18.02	17.93	18.44	18.99	19.50	20.95
	6H	15.12	15.56	16.19	16.64	18.08	18.29	18.73	19.36	19.81	21.25
	8H	15.12	15.53	16.20	16.61	18.06	18.39	18.80	19.47	19.88	21.33
	12H	15.09	15.46	16.18	16.55	18.01	18.44	18.82	19.54	19.91	21.37
8H	4H	15.44	15.86	16.52	16.93	18.39	18.05	18.46	19.12	19.54	20.99
	6H	15.70	16.04	16.80	17.16	18.61	18.48	18.82	19.58	19.94	21.39
	8H	15.74	16.04	16.85	17.14	18.61	18.63	18.93	19.73	20.03	21.50
	12H	15.73	15.99	16.83	17.09	18.59	18.72	18.99	19.83	20.08	21.59
12H	4H	15.45	15.82	16.54	16.91	18.37	18.01	18.38	19.10	19.47	20.93
	6H	15.76	16.06	16.87	17.16	18.63	18.47	18.77	19.58	19.88	21.35
	8H	15.83	16.09	16.94	17.19	18.69	18.63	18.89	19.74	19.99	21.50