

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: P936038

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936038
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-92765-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

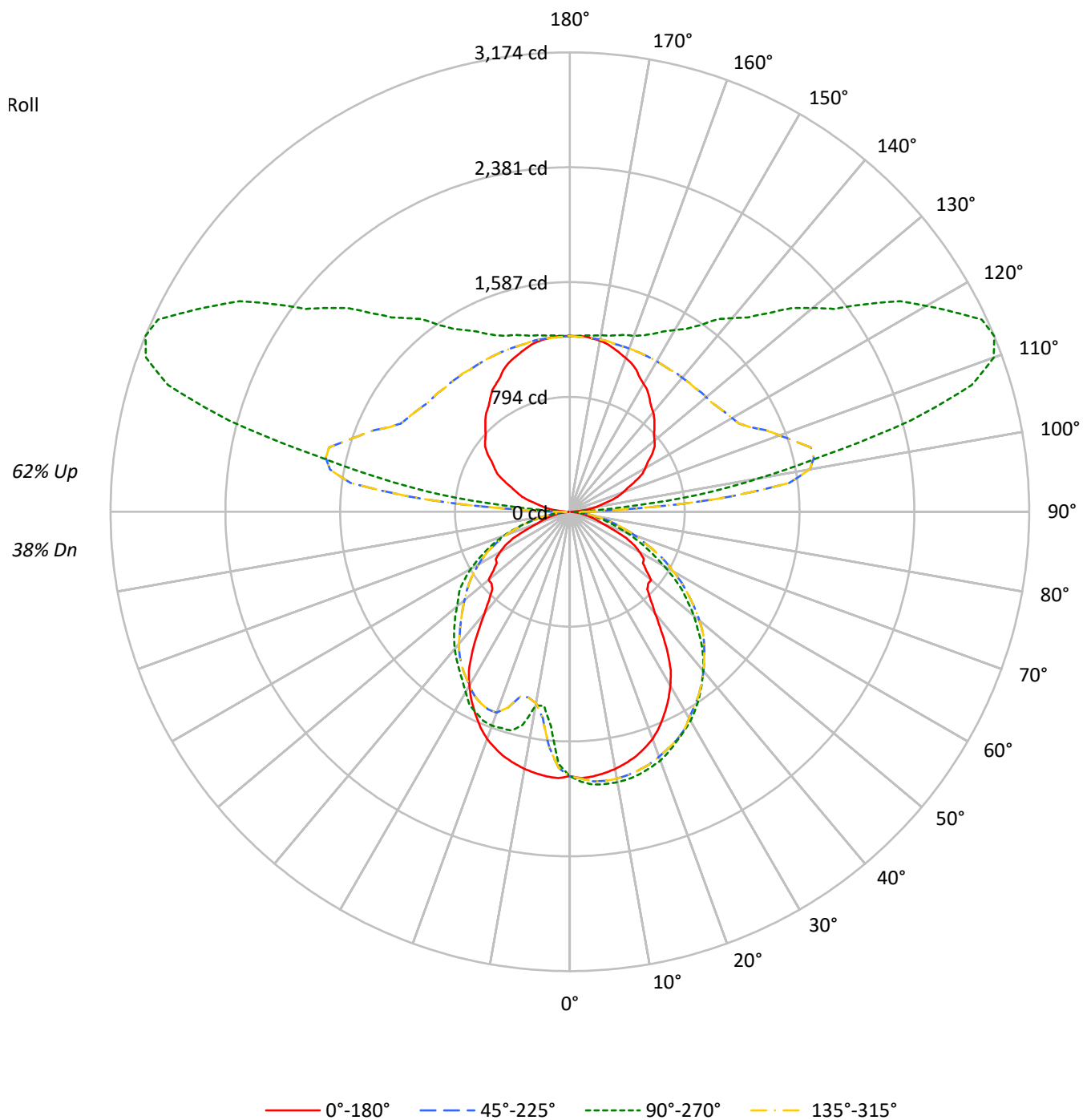
Lumens per Lamp: N/A
Luminaire Lumens: 12621.0 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11300	11300	11300	11300
5°	11380	11406	11380	8969
10°	11300	11236	11300	8033
15°	11173	10993	11173	9179
20°	10935	10704	10935	9198
25°	10452	10284	10452	9003
30°	9830	9934	9830	8575
35°	8759	9492	8759	8105
40°	7294	8973	7294	7749
45°	6513	8364	6513	7341
50°	6914	7638	6914	6931
55°	6500	6856	6500	6694
60°	6691	5823	6691	6131
65°	6057	4813	6057	5381
70°	4184	3836	4184	4509
75°	3657	2835	3657	3396
80°	2923	1875	2923	2041
85°	1646	994	1646	845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 9990 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	1.3
10°-20°	468.1	3.7
20°-30°	723.7	5.7
30°-40°	863.9	6.8
40°-50°	869.0	6.9
50°-60°	756.1	6.0
60°-70°	536.1	4.2
70°-80°	283.6	2.2
80°-90°	75.3	0.6
90°-100°	592.6	4.7
100°-110°	1557.8	12.3
110°-120°	1615.3	12.8
120°-130°	1295.7	10.3
130°-140°	1016.6	8.1
140°-150°	780.3	6.2
150°-160°	561.9	4.5
160°-170°	343.8	2.7
170°-180°	116.2	0.9
0°-30°	1356.7	10.7
0°-40°	2220.6	17.6
0°-60°	3845.7	30.5
0°-90°	4740.7	37.6
90°-120°	3765.7	29.8
90°-150°	6858.3	54.3
90°-180°	7880.0	62.4
0°-180°	12621.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1827	1827	1827	1827	1827	
5°	1835	1892	1835	1488	1835	174
15°	1752	1875	1752	1566	1752	493
25°	1543	1749	1543	1531	1543	709
35°	1173	1560	1173	1332	1173	726
45°	757	1286	757	1128	757	606
55°	617	949	617	926	617	567
65°	429	572	429	639	429	410
75°	162	271	162	325	162	171
85°	28	69	28	59	28	37
90°	8	31	8	31	8	8
95°	78	358	78	358	78	87
105°	281	2439	281	2439	281	298
115°	498	3141	498	3141	498	492
125°	693	2501	693	2501	693	616
135°	826	1941	826	1941	826	639
145°	959	1574	959	1574	959	601
155°	1083	1356	1083	1356	1083	498
165°	1169	1263	1169	1263	1169	330
175°	1216	1224	1216	1224	1216	115
180°	1216	1216	1216	1216	1216	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6
2.5°	1842.2	1842.2	1852.5	1855.9	1855.9	1850.8	1845.6	1850.8	1866.3	1871.6	1869.8
5°	1835.2	1849.1	1868.1	1871.6	1875.0	1873.2	1869.8	1873.2	1890.5	1894.0	1895.7
7.5°	1821.4	1847.3	1871.6	1876.7	1881.8	1876.7	1875.0	1878.4	1895.7	1899.2	1899.2
10°	1804.2	1840.4	1868.1	1871.6	1876.7	1871.6	1871.6	1878.4	1895.7	1899.2	1900.9
12.5°	1779.9	1830.1	1855.9	1859.4	1866.3	1864.6	1862.8	1869.8	1887.1	1890.5	1890.5
15°	1752.3	1811.0	1835.2	1838.7	1850.8	1847.3	1847.3	1854.2	1873.2	1878.4	1876.7
17.5°	1714.2	1786.8	1814.5	1819.7	1828.3	1826.6	1828.3	1835.2	1852.5	1855.9	1857.7
20°	1671.1	1754.0	1786.8	1792.0	1800.7	1800.7	1800.7	1809.3	1826.6	1833.5	1833.5
22.5°	1612.3	1719.5	1754.0	1757.5	1767.9	1767.9	1771.3	1783.4	1798.9	1800.7	1800.7
25°	1543.2	1681.5	1710.8	1721.1	1731.5	1736.7	1741.9	1748.9	1754.0	1752.3	1754.0
27.5°	1470.6	1633.1	1671.1	1678.0	1691.8	1697.0	1703.9	1705.6	1707.4	1712.5	1709.1
30°	1389.4	1565.6	1622.7	1629.6	1652.1	1655.5	1648.6	1652.1	1660.7	1664.2	1667.6
32.5°	1297.8	1465.5	1572.5	1588.1	1608.8	1598.4	1596.8	1601.9	1615.8	1615.8	1619.2
35°	1173.4	1387.7	1525.9	1539.8	1555.3	1543.2	1550.1	1551.8	1560.4	1565.6	1563.9
37.5°	1036.8	1320.3	1477.5	1487.9	1500.0	1484.5	1494.8	1500.0	1506.9	1503.5	1503.5
40°	915.9	1214.8	1420.5	1427.4	1437.8	1425.7	1436.1	1439.5	1443.0	1439.5	1437.8
42.5°	826.0	1099.0	1360.0	1368.7	1361.8	1370.4	1373.8	1380.8	1375.5	1368.7	1368.7
45°	756.9	1068.0	1294.4	1304.7	1294.4	1308.1	1313.4	1313.4	1297.8	1294.4	1292.6
47.5°	734.4	1005.7	1228.7	1228.7	1223.5	1240.7	1249.4	1237.3	1221.7	1216.6	1216.6
50°	732.7	936.7	1138.8	1131.9	1156.1	1176.8	1168.2	1156.1	1144.0	1125.0	1125.0
52.5°	665.3	852.0	1023.0	1049.0	1087.0	1099.0	1085.2	1073.1	1052.4	1043.7	1036.8
55°	617.0	763.8	917.6	969.4	1009.2	1024.7	998.8	986.7	955.7	950.4	947.0
57.5°	606.6	636.0	820.8	886.5	934.9	933.2	917.6	895.1	869.2	864.0	862.4
60°	556.4	459.6	717.2	794.9	845.0	839.9	826.0	805.3	781.1	777.7	774.2
62.5°	504.6	333.6	599.6	687.8	758.7	756.9	744.8	713.7	696.4	687.8	680.9
65°	428.6	279.9	426.9	572.0	674.0	677.4	651.5	629.0	610.0	599.6	598.0
67.5°	326.6	228.1	288.6	476.9	592.7	589.3	556.4	546.1	521.9	516.7	506.3
70°	241.9	152.1	200.5	387.1	513.3	504.6	478.7	466.6	444.1	432.0	425.1
72.5°	200.5	122.7	146.9	300.7	432.0	421.6	399.2	385.4	366.3	356.0	349.1
75°	162.5	129.6	112.3	222.9	350.8	343.9	323.2	309.3	293.8	279.9	281.7
77.5°	119.2	121.0	89.8	164.2	278.2	267.9	255.8	238.5	231.5	217.7	217.7
80°	89.8	95.1	67.4	112.3	200.5	200.5	190.1	178.0	165.9	159.0	159.0
82.5°	60.5	60.5	50.1	70.8	136.6	131.3	124.4	121.0	114.1	110.6	110.6
85°	27.6	34.5	31.1	43.2	74.3	77.8	77.8	74.3	72.6	69.2	70.8
87.5°	8.6	15.5	19.0	24.2	38.0	39.8	41.5	41.5	41.5	43.2	43.2
90°	8.2	14.7	21.2	22.8	35.9	53.3	62.0	55.1	41.3	31.0	31.0
92.5°	32.6	88.1	143.6	157.5	221.4	306.6	349.2	306.0	219.8	155.0	148.9
95°	78.3	179.8	281.4	306.8	544.8	862.0	1020.6	910.8	691.0	526.2	507.5
97.5°	135.4	225.0	314.5	337.0	733.7	1262.8	1527.3	1457.9	1319.0	1214.8	1179.3
100°	179.5	260.7	341.9	362.2	802.5	1389.6	1683.1	1688.2	1698.4	1706.0	1663.7
102.5°	217.0	292.8	368.6	387.5	834.1	1429.4	1727.2	1815.6	1992.5	2125.2	2089.0
105°	280.6	344.8	409.0	425.0	857.5	1434.0	1722.3	1920.6	2317.3	2614.8	2595.3
107.5°	345.9	405.8	465.6	480.5	861.7	1370.1	1624.3	1901.0	2454.3	2869.3	2874.0
110°	390.0	444.0	498.0	511.5	855.3	1313.5	1542.7	1852.0	2470.6	2934.6	2954.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	433.2	484.7	536.1	549.0	855.6	1264.2	1468.5	1785.1	2418.2	2893.0	2924.2
115°	498.5	546.0	593.5	605.4	863.4	1207.5	1379.6	1684.5	2294.4	2751.8	2795.0
117.5°	562.9	606.1	649.2	660.0	879.5	1172.1	1318.4	1593.6	2144.0	2556.8	2604.8
120°	600.5	641.1	681.8	691.9	892.5	1160.2	1293.9	1545.4	2048.3	2425.5	2472.0
122.5°	637.2	678.2	719.2	729.4	911.3	1153.9	1275.2	1501.6	1954.5	2294.1	2340.1
125°	693.4	730.8	768.2	777.5	936.6	1148.7	1254.8	1447.1	1831.8	2120.4	2162.6
127.5°	739.1	776.8	814.6	824.0	961.9	1145.7	1237.6	1402.8	1733.1	1980.8	2016.6
130°	763.6	804.3	844.9	855.0	980.4	1147.6	1231.1	1378.2	1672.2	1892.7	1925.7
132.5°	788.9	829.6	870.2	880.3	995.3	1148.7	1225.4	1357.0	1620.2	1817.7	1847.2
135°	826.4	863.4	900.5	909.7	1011.6	1147.6	1215.6	1325.8	1546.3	1711.6	1737.1
137.5°	864.8	901.4	938.0	947.2	1036.2	1154.7	1214.0	1307.2	1493.5	1633.3	1654.2
140°	896.6	930.4	964.0	972.5	1051.1	1155.9	1208.3	1288.8	1449.8	1570.5	1590.0
142.5°	921.0	952.3	983.5	991.2	1063.6	1160.1	1208.3	1279.0	1420.4	1526.4	1543.2
145°	958.6	985.8	1013.0	1019.8	1079.9	1160.1	1200.1	1257.9	1373.6	1460.4	1473.0
147.5°	996.1	1022.6	1049.1	1055.7	1103.8	1168.0	1200.1	1245.6	1336.6	1404.8	1415.4
150°	1020.6	1044.5	1068.4	1074.4	1116.3	1172.2	1200.1	1238.5	1315.4	1373.0	1381.6
152.5°	1045.9	1064.1	1082.2	1086.7	1124.5	1174.9	1200.1	1232.9	1298.5	1347.7	1354.2
155°	1083.4	1096.8	1110.3	1113.6	1142.5	1180.9	1200.1	1226.2	1278.4	1317.6	1321.8
157.5°	1111.1	1124.2	1137.3	1140.5	1160.4	1186.8	1200.1	1220.4	1261.0	1291.5	1294.4
160°	1130.0	1140.1	1150.2	1152.7	1168.5	1189.5	1200.1	1217.5	1252.3	1278.4	1280.1
162.5°	1148.7	1156.3	1163.9	1165.8	1177.2	1192.5	1200.1	1214.7	1244.1	1266.2	1267.9
165°	1169.1	1176.0	1182.8	1184.6	1189.7	1196.6	1200.1	1210.6	1231.7	1247.4	1249.2
167.5°	1187.9	1191.1	1194.4	1195.2	1199.6	1205.4	1208.3	1215.2	1229.0	1239.2	1239.9
170°	1200.1	1203.3	1206.6	1207.4	1207.7	1208.1	1208.3	1215.2	1229.0	1239.2	1239.2
172.5°	1206.6	1207.3	1208.1	1208.3	1208.3	1208.3	1208.3	1213.7	1224.6	1232.7	1232.1
175°	1215.6	1215.6	1215.6	1215.6	1213.2	1209.9	1208.3	1211.7	1218.6	1223.7	1223.7
177.5°	1215.6	1215.6	1215.6	1215.6	1213.7	1211.2	1209.9	1212.6	1218.1	1222.2	1221.5
180°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6
2.5°	1873.2	1868.1	1873.2	1869.8	1871.6	1866.3	1850.8	1845.6	1850.8	1855.9	1855.9
5°	1895.7	1892.2	1895.7	1895.7	1894.0	1890.5	1873.2	1869.8	1873.2	1875.0	1871.6
7.5°	1902.6	1897.5	1902.6	1899.2	1899.2	1895.7	1878.4	1875.0	1876.7	1881.8	1876.7
10°	1902.6	1897.5	1902.6	1900.9	1899.2	1895.7	1878.4	1871.6	1871.6	1876.7	1871.6
12.5°	1894.0	1890.5	1894.0	1890.5	1890.5	1887.1	1869.8	1862.8	1864.6	1866.3	1859.4
15°	1880.2	1875.0	1880.2	1876.7	1878.4	1873.2	1854.2	1847.3	1847.3	1850.8	1838.7
17.5°	1859.4	1852.5	1859.4	1857.7	1855.9	1852.5	1835.2	1828.3	1826.6	1828.3	1819.7
20°	1835.2	1830.1	1835.2	1833.5	1833.5	1826.6	1809.3	1800.7	1800.7	1800.7	1792.0
22.5°	1797.2	1792.0	1797.2	1800.7	1800.7	1798.9	1783.4	1771.3	1767.9	1767.9	1757.5
25°	1754.0	1748.9	1754.0	1754.0	1752.3	1754.0	1748.9	1741.9	1736.7	1731.5	1721.1
27.5°	1712.5	1709.1	1712.5	1709.1	1712.5	1707.4	1705.6	1703.9	1697.0	1691.8	1678.0
30°	1671.1	1667.6	1671.1	1667.6	1664.2	1660.7	1652.1	1648.6	1655.5	1652.1	1629.6
32.5°	1619.2	1615.8	1619.2	1619.2	1615.8	1615.8	1601.9	1596.8	1598.4	1608.8	1588.1
35°	1565.6	1560.4	1565.6	1563.9	1565.6	1560.4	1551.8	1550.1	1543.2	1555.3	1539.8
37.5°	1503.5	1498.2	1503.5	1503.5	1503.5	1506.9	1500.0	1494.8	1484.5	1500.0	1487.9
40°	1439.5	1432.6	1439.5	1437.8	1439.5	1443.0	1439.5	1436.1	1425.7	1437.8	1427.4
42.5°	1366.9	1365.2	1366.9	1368.7	1368.7	1375.5	1380.8	1373.8	1370.4	1361.8	1368.7
45°	1289.1	1285.7	1289.1	1292.6	1294.4	1297.8	1313.4	1313.4	1308.1	1294.4	1304.7
47.5°	1206.2	1197.6	1206.2	1216.6	1216.6	1221.7	1237.3	1249.4	1240.7	1223.5	1228.7
50°	1118.0	1119.8	1118.0	1125.0	1125.0	1144.0	1156.1	1168.2	1176.8	1156.1	1131.9
52.5°	1031.7	1030.0	1031.7	1036.8	1043.7	1052.4	1073.1	1085.2	1099.0	1087.0	1049.0
55°	945.3	948.7	945.3	947.0	950.4	955.7	986.7	998.8	1024.7	1009.2	969.4
57.5°	858.9	853.6	858.9	862.4	864.0	869.2	895.1	917.6	933.2	934.9	886.5
60°	758.7	751.7	758.7	774.2	777.7	781.1	805.3	826.0	839.9	845.0	794.9
62.5°	670.5	658.4	670.5	680.9	687.8	696.4	713.7	744.8	756.9	758.7	687.8
65°	577.2	572.0	577.2	598.0	599.6	610.0	629.0	651.5	677.4	674.0	572.0
67.5°	492.5	492.5	492.5	506.3	516.7	521.9	546.1	556.4	589.3	592.7	476.9
70°	414.7	413.0	414.7	425.1	432.0	444.1	466.6	478.7	504.6	513.3	387.1
72.5°	340.4	338.7	340.4	349.1	356.0	366.3	385.4	399.2	421.6	432.0	300.7
75°	274.8	271.3	274.8	281.7	279.9	293.8	309.3	323.2	343.9	350.8	222.9
77.5°	210.9	210.9	210.9	217.7	217.7	231.5	238.5	255.8	267.9	278.2	164.2
80°	157.2	155.6	157.2	159.0	159.0	165.9	178.0	190.1	200.5	200.5	112.3
82.5°	110.6	107.2	110.6	110.6	110.6	114.1	121.0	124.4	131.3	136.6	70.8
85°	69.2	69.2	69.2	70.8	69.2	72.6	74.3	77.8	77.8	74.3	43.2
87.5°	44.9	43.2	44.9	43.2	43.2	41.5	41.5	41.5	39.8	38.0	24.2
90°	31.0	31.0	31.0	31.0	31.0	41.3	55.1	62.0	53.3	35.9	22.8
92.5°	124.2	99.5	124.2	148.9	155.0	219.8	306.0	349.2	306.6	221.4	157.5
95°	432.8	358.1	432.8	507.5	526.2	691.0	910.8	1020.6	862.0	544.8	306.8
97.5°	1037.1	895.0	1037.1	1179.3	1214.8	1319.0	1457.9	1527.3	1262.8	733.7	337.0
100°	1494.3	1325.0	1494.3	1663.7	1706.0	1698.4	1688.2	1683.1	1389.6	802.5	362.2
102.5°	1943.9	1798.9	1943.9	2089.0	2125.2	1992.5	1815.6	1727.2	1429.4	834.1	387.5
105°	2517.3	2439.3	2517.3	2595.3	2614.8	2317.3	1920.6	1722.3	1434.0	857.5	425.0
107.5°	2892.9	2911.7	2892.9	2874.0	2869.3	2454.3	1901.0	1624.3	1370.1	861.7	480.5
110°	3036.1	3117.3	3036.1	2954.9	2934.6	2470.6	1852.0	1542.7	1313.5	855.3	511.5

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3048.9	3173.6	3048.9	2924.2	2893.0	2418.2	1785.1	1468.5	1264.2	855.6	549.0
115°	2968.0	3141.0	2968.0	2795.0	2751.8	2294.4	1684.5	1379.6	1207.5	863.4	605.4
117.5°	2796.6	2988.5	2796.6	2604.8	2556.8	2144.0	1593.6	1318.4	1172.1	879.5	660.0
120°	2658.5	2844.8	2658.5	2472.0	2425.5	2048.3	1545.4	1293.9	1160.2	892.5	691.9
122.5°	2523.9	2707.8	2523.9	2340.1	2294.1	1954.5	1501.6	1275.2	1153.9	911.3	729.4
125°	2332.0	2501.3	2332.0	2162.6	2120.4	1831.8	1447.1	1254.8	1148.7	936.6	777.5
127.5°	2159.4	2302.3	2159.4	2016.6	1980.8	1733.1	1402.8	1237.6	1145.7	961.9	824.0
130°	2057.7	2189.7	2057.7	1925.7	1892.7	1672.2	1378.2	1231.1	1147.6	980.4	855.0
132.5°	1965.4	2083.6	1965.4	1847.2	1817.7	1620.2	1357.0	1225.4	1148.7	995.3	880.3
135°	1839.0	1940.9	1839.0	1737.1	1711.6	1546.3	1325.8	1215.6	1147.6	1011.6	909.7
137.5°	1737.6	1821.0	1737.6	1654.2	1633.3	1493.5	1307.2	1214.0	1154.7	1036.2	947.2
140°	1667.9	1745.9	1667.9	1590.0	1570.5	1449.8	1288.8	1208.3	1155.9	1051.1	972.5
142.5°	1610.3	1677.4	1610.3	1543.2	1526.4	1420.4	1279.0	1208.3	1160.1	1063.6	991.2
145°	1523.8	1574.5	1523.8	1473.0	1460.4	1373.6	1257.9	1200.1	1160.1	1079.9	1019.8
147.5°	1457.4	1499.5	1457.4	1415.4	1404.8	1336.6	1245.6	1200.1	1168.0	1103.8	1055.7
150°	1415.7	1449.8	1415.7	1381.6	1373.0	1315.4	1238.5	1200.1	1172.2	1116.3	1074.4
152.5°	1379.9	1405.7	1379.9	1354.2	1347.7	1298.5	1232.9	1200.1	1174.9	1124.5	1086.7
155°	1338.8	1355.9	1338.8	1321.8	1317.6	1278.4	1226.2	1200.1	1180.9	1142.5	1113.6
157.5°	1306.5	1318.4	1306.5	1294.4	1291.5	1261.0	1220.4	1200.1	1186.8	1160.4	1140.5
160°	1287.0	1293.9	1287.0	1280.1	1278.4	1252.3	1217.5	1200.1	1189.5	1168.5	1152.7
162.5°	1274.3	1280.8	1274.3	1267.9	1266.2	1244.1	1214.7	1200.1	1192.5	1177.2	1165.8
165°	1256.0	1262.9	1256.0	1249.2	1247.4	1231.7	1210.6	1200.1	1196.6	1189.7	1184.6
167.5°	1242.9	1245.8	1242.9	1239.9	1239.2	1229.0	1215.2	1208.3	1205.4	1199.6	1195.2
170°	1239.2	1239.2	1239.2	1239.2	1239.2	1229.0	1215.2	1208.3	1208.1	1207.7	1207.4
172.5°	1229.6	1227.0	1229.6	1232.1	1232.7	1224.6	1213.7	1208.3	1208.3	1208.3	1208.3
175°	1223.7	1223.7	1223.7	1223.7	1223.7	1218.6	1211.7	1208.3	1209.9	1213.2	1215.6
177.5°	1218.5	1215.6	1218.5	1221.5	1222.2	1218.1	1212.6	1209.9	1211.2	1213.7	1215.6
180°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6
2.5°	1852.5	1842.2	1842.2	1824.8	1817.9	1812.8	1804.2	1778.2	1771.3	1764.4	1774.8
5°	1868.1	1849.1	1835.2	1804.2	1778.2	1767.9	1735.0	1672.8	1631.3	1600.2	1582.9
7.5°	1871.6	1847.3	1821.4	1773.0	1710.8	1683.1	1582.9	1468.9	1437.8	1410.1	1392.8
10°	1868.1	1840.4	1804.2	1731.5	1584.7	1536.3	1436.1	1361.8	1342.8	1337.5	1342.8
12.5°	1855.9	1830.1	1779.9	1659.0	1453.3	1420.5	1361.8	1318.5	1315.1	1323.7	1370.4
15°	1835.2	1811.0	1752.3	1562.2	1380.8	1356.5	1315.1	1299.5	1318.5	1379.0	1519.0
17.5°	1814.5	1786.8	1714.2	1467.1	1325.4	1308.1	1278.8	1309.9	1417.1	1498.2	1544.9
20°	1786.8	1754.0	1671.1	1398.0	1285.7	1270.1	1256.3	1396.3	1477.5	1506.9	1532.8
22.5°	1754.0	1719.5	1612.3	1349.6	1244.2	1232.1	1240.7	1444.7	1477.5	1498.2	1520.7
25°	1710.8	1681.5	1543.2	1311.6	1211.4	1197.6	1230.4	1439.5	1458.5	1463.7	1508.6
27.5°	1671.1	1633.1	1470.6	1277.1	1171.7	1166.4	1239.1	1417.1	1430.8	1436.1	1484.5
30°	1622.7	1565.6	1389.4	1240.7	1130.2	1128.4	1240.7	1389.4	1385.9	1399.8	1448.1
32.5°	1572.5	1465.5	1297.8	1195.8	1090.4	1088.7	1228.7	1347.9	1344.4	1363.4	1399.8
35°	1525.9	1387.7	1173.4	1144.0	1040.3	1042.0	1199.3	1299.5	1301.2	1318.5	1341.0
37.5°	1477.5	1320.3	1036.8	1087.0	991.9	991.9	1159.5	1254.6	1251.1	1256.3	1287.4
40°	1420.5	1214.8	915.9	1012.7	947.0	941.8	1111.1	1206.2	1194.1	1192.4	1235.6
42.5°	1360.0	1099.0	826.0	914.2	895.1	888.3	1052.4	1147.4	1125.0	1130.2	1185.4
45°	1294.4	1068.0	756.9	772.4	841.6	836.4	988.5	1080.0	1064.5	1078.4	1135.4
47.5°	1228.7	1005.7	734.4	641.1	784.6	782.8	917.6	1014.3	1005.7	1019.6	1080.0
50°	1138.8	936.7	732.7	549.6	720.6	727.5	833.0	950.4	950.4	962.6	1026.5
52.5°	1023.0	852.0	665.3	497.7	646.3	667.0	758.7	895.1	898.6	910.7	967.7
55°	917.6	763.8	617.0	457.9	558.2	603.1	686.0	838.1	845.0	857.1	909.0
57.5°	820.8	636.0	606.6	411.3	476.9	520.2	622.1	782.8	786.3	796.7	846.7
60°	717.2	459.6	556.4	361.2	406.1	438.9	563.3	717.2	729.3	736.2	779.3
62.5°	599.6	333.6	504.6	326.6	371.6	378.5	514.9	655.0	670.5	675.7	701.6
65°	426.9	279.9	428.6	297.2	335.2	337.0	463.1	591.0	604.8	613.5	632.5
67.5°	288.6	228.1	326.6	269.5	307.6	309.3	413.0	516.7	535.7	542.6	554.7
70°	200.5	152.1	241.9	240.2	276.5	279.9	359.5	449.3	466.6	471.8	478.7
72.5°	146.9	122.7	200.5	216.0	243.6	247.1	304.2	373.2	390.6	395.7	399.2
75°	112.3	129.6	162.5	188.4	207.4	209.1	248.9	304.2	316.2	319.7	321.4
77.5°	89.8	121.0	119.2	152.1	169.3	165.9	195.2	235.0	245.4	245.4	245.4
80°	67.4	95.1	89.8	108.8	124.4	121.0	140.0	167.6	171.1	174.5	172.8
82.5°	50.1	60.5	60.5	69.2	82.9	79.5	93.3	108.8	108.8	108.8	112.3
85°	31.1	34.5	27.6	36.3	46.7	44.9	51.9	58.8	60.5	60.5	57.0
87.5°	19.0	15.5	8.6	13.9	20.8	20.8	24.2	25.9	24.2	24.2	24.2
90°	21.2	14.7	8.2	14.7	21.2	22.8	35.9	53.3	62.0	55.1	41.3
92.5°	143.6	88.1	32.6	88.1	143.6	157.5	221.4	306.6	349.2	306.0	219.8
95°	281.4	179.8	78.3	179.8	281.4	306.8	544.8	862.0	1020.6	910.8	691.0
97.5°	314.5	225.0	135.4	225.0	314.5	337.0	733.7	1262.8	1527.3	1457.9	1319.0
100°	341.9	260.7	179.5	260.7	341.9	362.2	802.5	1389.6	1683.1	1688.2	1698.4
102.5°	368.6	292.8	217.0	292.8	368.6	387.5	834.1	1429.4	1727.2	1815.6	1992.5
105°	409.0	344.8	280.6	344.8	409.0	425.0	857.5	1434.0	1722.3	1920.6	2317.3
107.5°	465.6	405.8	345.9	405.8	465.6	480.5	861.7	1370.1	1624.3	1901.0	2454.3
110°	498.0	444.0	390.0	444.0	498.0	511.5	855.3	1313.5	1542.7	1852.0	2470.6

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	536.1	484.7	433.2	484.7	536.1	549.0	855.6	1264.2	1468.5	1785.1	2418.2
115°	593.5	546.0	498.5	546.0	593.5	605.4	863.4	1207.5	1379.6	1684.5	2294.4
117.5°	649.2	606.1	562.9	606.1	649.2	660.0	879.5	1172.1	1318.4	1593.6	2144.0
120°	681.8	641.1	600.5	641.1	681.8	691.9	892.5	1160.2	1293.9	1545.4	2048.3
122.5°	719.2	678.2	637.2	678.2	719.2	729.4	911.3	1153.9	1275.2	1501.6	1954.5
125°	768.2	730.8	693.4	730.8	768.2	777.5	936.6	1148.7	1254.8	1447.1	1831.8
127.5°	814.6	776.8	739.1	776.8	814.6	824.0	961.9	1145.7	1237.6	1402.8	1733.1
130°	844.9	804.3	763.6	804.3	844.9	855.0	980.4	1147.6	1231.1	1378.2	1672.2
132.5°	870.2	829.6	788.9	829.6	870.2	880.3	995.3	1148.7	1225.4	1357.0	1620.2
135°	900.5	863.4	826.4	863.4	900.5	909.7	1011.6	1147.6	1215.6	1325.8	1546.3
137.5°	938.0	901.4	864.8	901.4	938.0	947.2	1036.2	1154.7	1214.0	1307.2	1493.5
140°	964.0	930.4	896.6	930.4	964.0	972.5	1051.1	1155.9	1208.3	1288.8	1449.8
142.5°	983.5	952.3	921.0	952.3	983.5	991.2	1063.6	1160.1	1208.3	1279.0	1420.4
145°	1013.0	985.8	958.6	985.8	1013.0	1019.8	1079.9	1160.1	1200.1	1257.9	1373.6
147.5°	1049.1	1022.6	996.1	1022.6	1049.1	1055.7	1103.8	1168.0	1200.1	1245.6	1336.6
150°	1068.4	1044.5	1020.6	1044.5	1068.4	1074.4	1116.3	1172.2	1200.1	1238.5	1315.4
152.5°	1082.2	1064.1	1045.9	1064.1	1082.2	1086.7	1124.5	1174.9	1200.1	1232.9	1298.5
155°	1110.3	1096.8	1083.4	1096.8	1110.3	1113.6	1142.5	1180.9	1200.1	1226.2	1278.4
157.5°	1137.3	1124.2	1111.1	1124.2	1137.3	1140.5	1160.4	1186.8	1200.1	1220.4	1261.0
160°	1150.2	1140.1	1130.0	1140.1	1150.2	1152.7	1168.5	1189.5	1200.1	1217.5	1252.3
162.5°	1163.9	1156.3	1148.7	1156.3	1163.9	1165.8	1177.2	1192.5	1200.1	1214.7	1244.1
165°	1182.8	1176.0	1169.1	1176.0	1182.8	1184.6	1189.7	1196.6	1200.1	1210.6	1231.7
167.5°	1194.4	1191.1	1187.9	1191.1	1194.4	1195.2	1199.6	1205.4	1208.3	1215.2	1229.0
170°	1206.6	1203.3	1200.1	1203.3	1206.6	1207.4	1207.7	1208.1	1208.3	1215.2	1229.0
172.5°	1208.1	1207.3	1206.6	1207.3	1208.1	1208.3	1208.3	1208.3	1208.3	1213.7	1224.6
175°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1213.2	1209.9	1208.3	1211.7	1218.6
177.5°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1213.7	1211.2	1209.9	1212.6	1218.1
180°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6

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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6
2.5°	1762.6	1757.5	1764.4	1745.4	1764.4	1757.5	1762.6	1774.8	1764.4	1771.3	1778.2
5°	1546.6	1538.0	1510.4	1487.9	1510.4	1538.0	1546.6	1582.9	1600.2	1631.3	1672.8
7.5°	1382.4	1375.5	1368.7	1354.8	1368.7	1375.5	1382.4	1392.8	1410.1	1437.8	1468.9
10°	1346.2	1347.9	1358.3	1356.5	1358.3	1347.9	1346.2	1342.8	1337.5	1342.8	1361.8
12.5°	1439.5	1455.1	1512.1	1508.6	1512.1	1455.1	1439.5	1370.4	1323.7	1315.1	1318.5
15°	1546.6	1551.8	1563.9	1565.6	1563.9	1551.8	1546.6	1519.0	1379.0	1318.5	1299.5
17.5°	1557.0	1558.8	1567.4	1567.4	1567.4	1558.8	1557.0	1544.9	1498.2	1417.1	1309.9
20°	1548.4	1551.8	1569.1	1572.5	1569.1	1551.8	1548.4	1532.8	1506.9	1477.5	1396.3
22.5°	1544.9	1551.8	1565.6	1563.9	1565.6	1551.8	1544.9	1520.7	1498.2	1477.5	1444.7
25°	1527.6	1527.6	1529.4	1531.1	1529.4	1527.6	1527.6	1508.6	1463.7	1458.5	1439.5
27.5°	1491.4	1494.8	1505.1	1503.5	1505.1	1494.8	1491.4	1484.5	1436.1	1430.8	1417.1
30°	1458.5	1455.1	1446.4	1439.5	1446.4	1455.1	1458.5	1448.1	1399.8	1385.9	1389.4
32.5°	1403.2	1394.6	1385.9	1380.8	1385.9	1394.6	1403.2	1399.8	1363.4	1344.4	1347.9
35°	1337.5	1339.3	1337.5	1332.4	1337.5	1339.3	1337.5	1341.0	1318.5	1301.2	1299.5
37.5°	1290.9	1294.4	1292.6	1285.7	1292.6	1294.4	1290.9	1287.4	1256.3	1251.1	1254.6
40°	1242.5	1244.2	1242.5	1237.3	1242.5	1244.2	1242.5	1235.6	1192.4	1194.1	1206.2
42.5°	1195.8	1194.1	1188.9	1185.4	1188.9	1194.1	1195.8	1185.4	1130.2	1125.0	1147.4
45°	1142.3	1144.0	1133.6	1128.4	1133.6	1144.0	1142.3	1135.4	1078.4	1064.5	1080.0
47.5°	1088.7	1088.7	1080.0	1074.9	1080.0	1088.7	1088.7	1080.0	1019.6	1005.7	1014.3
50°	1031.7	1030.0	1017.8	1016.1	1017.8	1030.0	1031.7	1026.5	962.6	950.4	950.4
52.5°	966.0	966.0	967.7	971.2	967.7	966.0	966.0	967.7	910.7	898.6	895.1
55°	909.0	910.7	922.8	926.3	922.8	910.7	909.0	909.0	857.1	845.0	838.1
57.5°	850.2	850.2	858.9	858.9	858.9	850.2	850.2	846.7	796.7	786.3	782.8
60°	782.8	786.3	793.2	791.5	793.2	786.3	782.8	779.3	736.2	729.3	717.2
62.5°	711.9	715.4	717.2	713.7	717.2	715.4	711.9	701.6	675.7	670.5	655.0
65°	637.6	641.1	642.9	639.4	642.9	641.1	637.6	632.5	613.5	604.8	591.0
67.5°	561.6	559.9	558.2	565.1	558.2	559.9	561.6	554.7	542.6	535.7	516.7
70°	483.9	483.9	482.1	485.5	482.1	483.9	483.9	478.7	471.8	466.6	449.3
72.5°	400.9	399.2	406.1	400.9	406.1	399.2	400.9	399.2	395.7	390.6	373.2
75°	319.7	323.2	319.7	324.9	319.7	323.2	319.7	321.4	319.7	316.2	304.2
77.5°	243.6	247.1	243.6	243.6	243.6	247.1	243.6	245.4	245.4	245.4	235.0
80°	172.8	171.1	171.1	169.3	171.1	171.1	172.8	172.8	174.5	171.1	167.6
82.5°	110.6	108.8	108.8	112.3	108.8	108.8	110.6	112.3	108.8	108.8	108.8
85°	60.5	62.2	58.8	58.8	58.8	62.2	60.5	57.0	60.5	60.5	58.8
87.5°	22.5	20.8	20.8	20.8	20.8	20.8	22.5	24.2	24.2	24.2	25.9
90°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	41.3	55.1	62.0	53.3
92.5°	155.0	148.9	124.2	99.5	124.2	148.9	155.0	219.8	306.0	349.2	306.6
95°	526.2	507.5	432.8	358.1	432.8	507.5	526.2	691.0	910.8	1020.6	862.0
97.5°	1214.8	1179.3	1037.1	895.0	1037.1	1179.3	1214.8	1319.0	1457.9	1527.3	1262.8
100°	1706.0	1663.7	1494.3	1325.0	1494.3	1663.7	1706.0	1698.4	1688.2	1683.1	1389.6
102.5°	2125.2	2089.0	1943.9	1798.9	1943.9	2089.0	2125.2	1992.5	1815.6	1727.2	1429.4
105°	2614.8	2595.3	2517.3	2439.3	2517.3	2595.3	2614.8	2317.3	1920.6	1722.3	1434.0
107.5°	2869.3	2874.0	2892.9	2911.7	2892.9	2874.0	2869.3	2454.3	1901.0	1624.3	1370.1
110°	2934.6	2954.9	3036.1	3117.3	3036.1	2954.9	2934.6	2470.6	1852.0	1542.7	1313.5

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2893.0	2924.2	3048.9	3173.6	3048.9	2924.2	2893.0	2418.2	1785.1	1468.5	1264.2
115°	2751.8	2795.0	2968.0	3141.0	2968.0	2795.0	2751.8	2294.4	1684.5	1379.6	1207.5
117.5°	2556.8	2604.8	2796.6	2988.5	2796.6	2604.8	2556.8	2144.0	1593.6	1318.4	1172.1
120°	2425.5	2472.0	2658.5	2844.8	2658.5	2472.0	2425.5	2048.3	1545.4	1293.9	1160.2
122.5°	2294.1	2340.1	2523.9	2707.8	2523.9	2340.1	2294.1	1954.5	1501.6	1275.2	1153.9
125°	2120.4	2162.6	2332.0	2501.3	2332.0	2162.6	2120.4	1831.8	1447.1	1254.8	1148.7
127.5°	1980.8	2016.6	2159.4	2302.3	2159.4	2016.6	1980.8	1733.1	1402.8	1237.6	1145.7
130°	1892.7	1925.7	2057.7	2189.7	2057.7	1925.7	1892.7	1672.2	1378.2	1231.1	1147.6
132.5°	1817.7	1847.2	1965.4	2083.6	1965.4	1847.2	1817.7	1620.2	1357.0	1225.4	1148.7
135°	1711.6	1737.1	1839.0	1940.9	1839.0	1737.1	1711.6	1546.3	1325.8	1215.6	1147.6
137.5°	1633.3	1654.2	1737.6	1821.0	1737.6	1654.2	1633.3	1493.5	1307.2	1214.0	1154.7
140°	1570.5	1590.0	1667.9	1745.9	1667.9	1590.0	1570.5	1449.8	1288.8	1208.3	1155.9
142.5°	1526.4	1543.2	1610.3	1677.4	1610.3	1543.2	1526.4	1420.4	1279.0	1208.3	1160.1
145°	1460.4	1473.0	1523.8	1574.5	1523.8	1473.0	1460.4	1373.6	1257.9	1200.1	1160.1
147.5°	1404.8	1415.4	1457.4	1499.5	1457.4	1415.4	1404.8	1336.6	1245.6	1200.1	1168.0
150°	1373.0	1381.6	1415.7	1449.8	1415.7	1381.6	1373.0	1315.4	1238.5	1200.1	1172.2
152.5°	1347.7	1354.2	1379.9	1405.7	1379.9	1354.2	1347.7	1298.5	1232.9	1200.1	1174.9
155°	1317.6	1321.8	1338.8	1355.9	1338.8	1321.8	1317.6	1278.4	1226.2	1200.1	1180.9
157.5°	1291.5	1294.4	1306.5	1318.4	1306.5	1294.4	1291.5	1261.0	1220.4	1200.1	1186.8
160°	1278.4	1280.1	1287.0	1293.9	1287.0	1280.1	1278.4	1252.3	1217.5	1200.1	1189.5
162.5°	1266.2	1267.9	1274.3	1280.8	1274.3	1267.9	1266.2	1244.1	1214.7	1200.1	1192.5
165°	1247.4	1249.2	1256.0	1262.9	1256.0	1249.2	1247.4	1231.7	1210.6	1200.1	1196.6
167.5°	1239.2	1239.9	1242.9	1245.8	1242.9	1239.9	1239.2	1229.0	1215.2	1208.3	1205.4
170°	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1229.0	1215.2	1208.3	1208.1
172.5°	1232.7	1232.1	1229.6	1227.0	1229.6	1232.1	1232.7	1224.6	1213.7	1208.3	1208.3
175°	1223.7	1223.7	1223.7	1223.7	1223.7	1223.7	1223.7	1218.6	1211.7	1208.3	1209.9
177.5°	1222.2	1221.5	1218.5	1215.6	1218.5	1221.5	1222.2	1218.1	1212.6	1209.9	1211.2
180°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1826.6	1826.6	1826.6	1826.6	1826.6
2.5°	1804.2	1812.8	1817.9	1824.8	1842.2
5°	1735.0	1767.9	1778.2	1804.2	1835.2
7.5°	1582.9	1683.1	1710.8	1773.0	1821.4
10°	1436.1	1536.3	1584.7	1731.5	1804.2
12.5°	1361.8	1420.5	1453.3	1659.0	1779.9
15°	1315.1	1356.5	1380.8	1562.2	1752.3
17.5°	1278.8	1308.1	1325.4	1467.1	1714.2
20°	1256.3	1270.1	1285.7	1398.0	1671.1
22.5°	1240.7	1232.1	1244.2	1349.6	1612.3
25°	1230.4	1197.6	1211.4	1311.6	1543.2
27.5°	1239.1	1166.4	1171.7	1277.1	1470.6
30°	1240.7	1128.4	1130.2	1240.7	1389.4
32.5°	1228.7	1088.7	1090.4	1195.8	1297.8
35°	1199.3	1042.0	1040.3	1144.0	1173.4
37.5°	1159.5	991.9	991.9	1087.0	1036.8
40°	1111.1	941.8	947.0	1012.7	915.9
42.5°	1052.4	888.3	895.1	914.2	826.0
45°	988.5	836.4	841.6	772.4	756.9
47.5°	917.6	782.8	784.6	641.1	734.4
50°	833.0	727.5	720.6	549.6	732.7
52.5°	758.7	667.0	646.3	497.7	665.3
55°	686.0	603.1	558.2	457.9	617.0
57.5°	622.1	520.2	476.9	411.3	606.6
60°	563.3	438.9	406.1	361.2	556.4
62.5°	514.9	378.5	371.6	326.6	504.6
65°	463.1	337.0	335.2	297.2	428.6
67.5°	413.0	309.3	307.6	269.5	326.6
70°	359.5	279.9	276.5	240.2	241.9
72.5°	304.2	247.1	243.6	216.0	200.5
75°	248.9	209.1	207.4	188.4	162.5
77.5°	195.2	165.9	169.3	152.1	119.2
80°	140.0	121.0	124.4	108.8	89.8
82.5°	93.3	79.5	82.9	69.2	60.5
85°	51.9	44.9	46.7	36.3	27.6
87.5°	24.2	20.8	20.8	13.9	8.6
90°	35.9	22.8	21.2	14.7	8.2
92.5°	221.4	157.5	143.6	88.1	32.6
95°	544.8	306.8	281.4	179.8	78.3
97.5°	733.7	337.0	314.5	225.0	135.4
100°	802.5	362.2	341.9	260.7	179.5
102.5°	834.1	387.5	368.6	292.8	217.0
105°	857.5	425.0	409.0	344.8	280.6
107.5°	861.7	480.5	465.6	405.8	345.9
110°	855.3	511.5	498.0	444.0	390.0

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	855.6	549.0	536.1	484.7	433.2
115°	863.4	605.4	593.5	546.0	498.5
117.5°	879.5	660.0	649.2	606.1	562.9
120°	892.5	691.9	681.8	641.1	600.5
122.5°	911.3	729.4	719.2	678.2	637.2
125°	936.6	777.5	768.2	730.8	693.4
127.5°	961.9	824.0	814.6	776.8	739.1
130°	980.4	855.0	844.9	804.3	763.6
132.5°	995.3	880.3	870.2	829.6	788.9
135°	1011.6	909.7	900.5	863.4	826.4
137.5°	1036.2	947.2	938.0	901.4	864.8
140°	1051.1	972.5	964.0	930.4	896.6
142.5°	1063.6	991.2	983.5	952.3	921.0
145°	1079.9	1019.8	1013.0	985.8	958.6
147.5°	1103.8	1055.7	1049.1	1022.6	996.1
150°	1116.3	1074.4	1068.4	1044.5	1020.6
152.5°	1124.5	1086.7	1082.2	1064.1	1045.9
155°	1142.5	1113.6	1110.3	1096.8	1083.4
157.5°	1160.4	1140.5	1137.3	1124.2	1111.1
160°	1168.5	1152.7	1150.2	1140.1	1130.0
162.5°	1177.2	1165.8	1163.9	1156.3	1148.7
165°	1189.7	1184.6	1182.8	1176.0	1169.1
167.5°	1199.6	1195.2	1194.4	1191.1	1187.9
170°	1207.7	1207.4	1206.6	1203.3	1200.1
172.5°	1208.3	1208.3	1208.1	1207.3	1206.6
175°	1213.2	1215.6	1215.6	1215.6	1215.6
177.5°	1213.7	1215.6	1215.6	1215.6	1215.6
180°	1215.6	1215.6	1215.6	1215.6	1215.6

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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	11.95	12.71	13.01	13.77	15.21	14.78	15.54	15.84	16.60	18.04
	3H	12.42	13.10	13.49	14.17	15.63	16.11	16.80	17.18	17.86	19.32
	4H	12.61	13.25	13.69	14.33	15.79	16.55	17.20	17.63	18.27	19.73
	6H	12.72	13.32	13.81	14.39	15.87	16.83	17.42	17.92	18.50	19.98
	8H	12.72	13.29	13.81	14.38	15.85	16.90	17.47	17.99	18.56	20.03
	12H	12.69	13.23	13.79	14.31	15.80	16.94	17.47	18.03	18.56	20.05
4H	2H	12.97	13.62	14.06	14.69	16.15	15.18	15.82	16.26	16.89	18.36
	3H	13.99	14.53	15.08	15.63	17.10	16.67	17.21	17.76	18.31	19.78
	4H	14.26	14.76	15.36	15.84	17.34	17.19	17.69	18.29	18.77	20.27
	6H	14.38	14.80	15.49	15.92	17.41	17.55	17.97	18.66	19.09	20.58
	8H	14.38	14.78	15.49	15.88	17.39	17.65	18.05	18.76	19.15	20.66
	12H	14.35	14.70	15.47	15.82	17.33	17.71	18.06	18.83	19.18	20.69
8H	4H	14.71	15.10	15.81	16.21	17.71	17.31	17.70	18.41	18.81	20.31
	6H	14.96	15.29	16.09	16.44	17.94	17.74	18.07	18.87	19.21	20.72
	8H	15.01	15.29	16.14	16.42	17.94	17.89	18.18	19.02	19.30	20.83
	12H	14.98	15.24	16.12	16.36	17.92	17.98	18.23	19.12	19.36	20.92
12H	4H	14.71	15.07	15.83	16.18	17.69	17.27	17.63	18.39	18.74	20.25
	6H	15.02	15.31	16.16	16.44	17.96	17.74	18.02	18.87	19.15	20.67
	8H	15.09	15.34	16.22	16.46	18.02	17.89	18.14	19.03	19.27	20.83