

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: P935638

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

**Test Information**

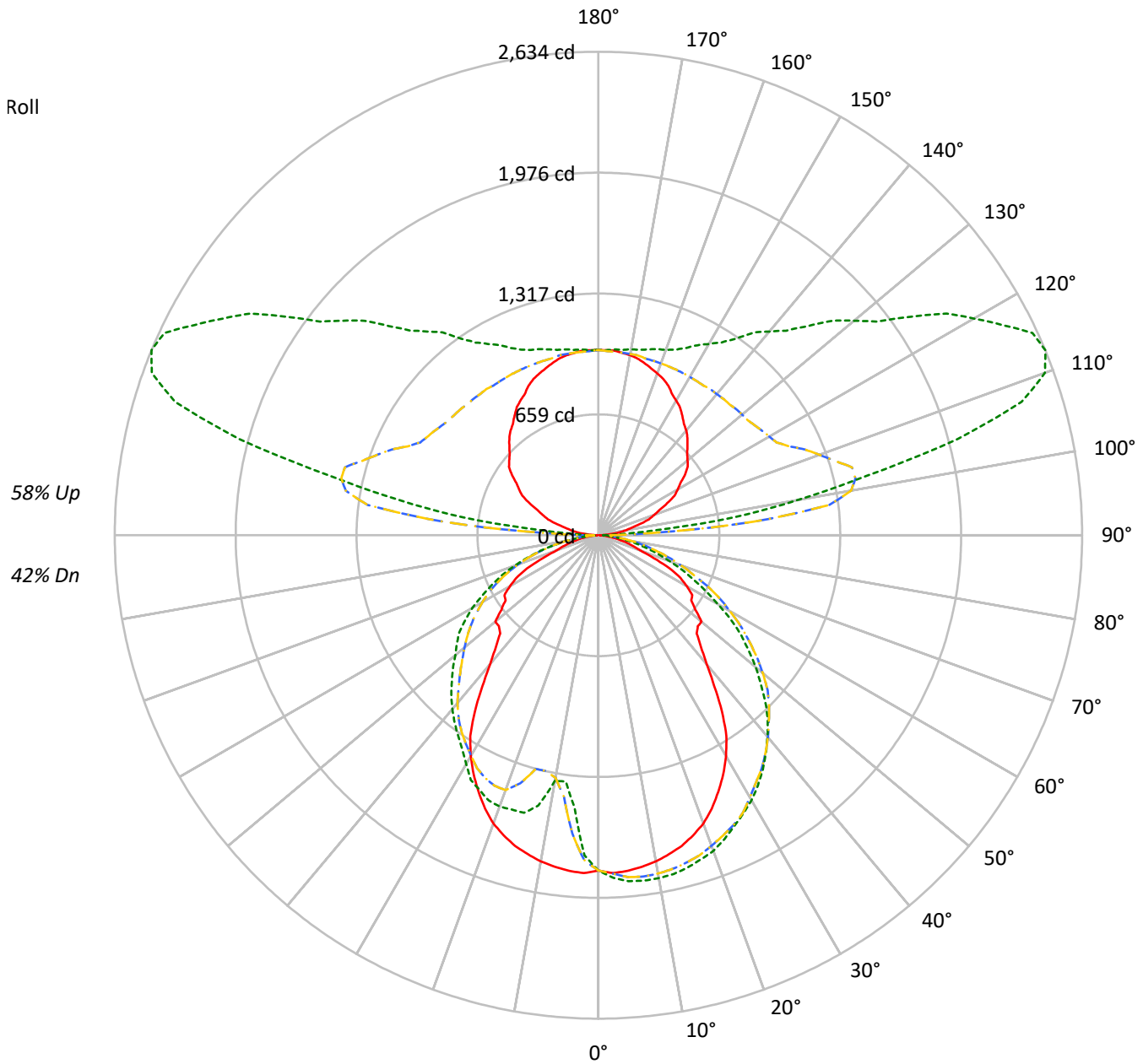
Test Method: LM-79-2019  
Report Number: P935638  
REPORT IS A COMBINATION OF REPORTS P933763 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11281.5 lumens  
Efficiency: N/A  
Efficacy: 116.8 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 (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42	
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	43	42	41	35	
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	38	36	35	30	
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	34	31	30	25	
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	30	28	25	22	
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	27	24	22	19	
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	24	22	19	16	
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	22	19	17	15	
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	20	18	15	13	
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	19	16	14	12	
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	17	15	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	1.5
10°-20°	468.1	4.1
20°-30°	723.7	6.4
30°-40°	863.9	7.7
40°-50°	869.0	7.7
50°-60°	756.1	6.7
60°-70°	536.1	4.8
70°-80°	283.6	2.5
80°-90°	74.5	0.7
90°-100°	491.9	4.4
100°-110°	1293.2	11.5
110°-120°	1340.9	11.9
120°-130°	1075.6	9.5
130°-140°	843.9	7.5
140°-150°	647.8	5.7
150°-160°	466.5	4.1
160°-170°	285.4	2.5
170°-180°	96.4	0.9
0°-30°	1356.7	12.0
0°-40°	2220.6	19.7
0°-60°	3845.7	34.1
0°-90°	4739.9	42.0
90°-120°	3126.0	27.7
90°-150°	5693.3	50.5
90°-180°	6542.0	58.0
0°-180°	11281.5	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°	7	26	7	26	7	7
95°	65	297	65	297	65	72
105°	233	2025	233	2025	233	247
115°	414	2607	414	2607	414	409
125°	576	2076	576	2076	576	511
135°	686	1611	686	1611	686	531
145°	796	1307	796	1307	796	499
155°	899	1126	899	1126	899	413
165°	970	1048	970	1048	970	274
175°	1009	1016	1009	1016	1009	96
180°	1009	1009	1009	1009	1009	



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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°	6.8	12.2	17.6	18.9	29.7	44.2	51.5	45.7	34.3	25.7	25.7
92.5°	27.1	73.2	119.2	130.7	183.7	254.5	289.9	254.0	182.4	128.7	123.6
95°	65.1	149.3	233.5	254.6	452.1	715.6	847.3	756.1	573.6	436.8	421.3
97.5°	112.4	186.7	261.1	279.7	609.0	1048.3	1267.9	1210.2	1094.9	1008.4	978.9
100°	149.0	216.4	283.8	300.7	666.1	1153.5	1397.2	1401.4	1409.8	1416.1	1381.0
102.5°	180.2	243.0	306.0	321.7	692.4	1186.6	1433.7	1507.1	1654.1	1764.2	1734.1
105°	233.0	286.3	339.5	352.8	711.8	1190.4	1429.7	1594.3	1923.6	2170.6	2154.4
107.5°	287.2	336.8	386.5	398.9	715.4	1137.4	1348.4	1578.1	2037.4	2381.9	2385.8
110°	323.7	368.5	413.3	424.6	709.9	1090.4	1280.7	1537.4	2050.9	2436.1	2452.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	359.6	402.4	445.1	455.8	710.2	1049.4	1219.0	1481.8	2007.3	2401.5	2427.4
115°	413.8	453.2	492.7	502.6	716.8	1002.4	1145.2	1398.4	1904.7	2284.4	2320.3
117.5°	467.3	503.2	538.9	547.9	730.1	972.9	1094.4	1322.9	1779.8	2122.5	2162.3
120°	498.5	532.2	565.9	574.3	740.9	963.0	1074.1	1282.8	1700.3	2013.4	2052.2
122.5°	529.0	563.0	597.0	605.5	756.5	957.8	1058.6	1246.6	1622.5	1904.4	1942.5
125°	575.6	606.7	637.6	645.4	777.5	953.6	1041.6	1201.3	1520.7	1760.2	1795.3
127.5°	613.6	644.9	676.2	684.0	798.5	951.1	1027.4	1164.5	1438.8	1644.4	1674.0
130°	633.9	667.6	701.3	709.7	813.8	952.5	1021.9	1144.0	1388.1	1571.2	1598.6
132.5°	654.9	688.6	722.3	730.8	826.3	953.6	1017.2	1126.5	1345.0	1508.9	1533.4
135°	686.0	716.7	747.4	755.1	839.8	952.7	1009.1	1100.6	1283.6	1420.9	1442.0
137.5°	717.9	748.3	778.7	786.3	860.1	958.5	1007.7	1085.1	1239.8	1355.8	1373.1
140°	744.3	772.3	800.3	807.2	872.5	959.5	1003.0	1069.8	1203.5	1303.7	1319.9
142.5°	764.6	790.5	816.4	822.9	882.9	963.0	1003.0	1061.7	1179.1	1267.2	1281.1
145°	795.7	818.3	840.9	846.6	896.5	963.0	996.2	1044.3	1140.3	1212.3	1222.9
147.5°	826.9	848.9	870.9	876.4	916.3	969.6	996.2	1034.0	1109.6	1166.3	1175.0
150°	847.3	867.2	886.9	891.9	926.7	973.0	996.2	1028.1	1092.0	1139.8	1146.9
152.5°	868.2	883.3	898.4	902.1	933.5	975.3	996.2	1023.4	1077.9	1118.8	1124.1
155°	899.4	910.6	921.7	924.4	948.3	980.3	996.2	1017.9	1061.3	1093.8	1097.4
157.5°	922.4	933.3	944.1	946.8	963.2	985.2	996.2	1013.0	1046.8	1072.1	1074.5
160°	938.0	946.4	954.9	957.0	970.1	987.5	996.2	1010.7	1039.6	1061.3	1062.7
162.5°	953.6	959.8	966.2	967.8	977.3	989.9	996.2	1008.4	1032.7	1051.1	1052.5
165°	970.5	976.2	982.0	983.4	987.7	993.3	996.2	1004.9	1022.5	1035.5	1036.9
167.5°	986.1	988.8	991.5	992.2	995.8	1000.6	1003.0	1008.8	1020.2	1028.7	1029.3
170°	996.2	998.9	1001.6	1002.3	1002.6	1002.8	1003.0	1008.8	1020.2	1028.7	1028.7
172.5°	1001.6	1002.2	1002.8	1003.0	1003.0	1003.0	1003.0	1007.5	1016.5	1023.3	1022.8
175°	1009.1	1009.1	1009.1	1009.1	1007.1	1004.4	1003.0	1005.9	1011.6	1015.9	1015.9
177.5°	1009.1	1009.1	1009.1	1009.1	1007.5	1005.4	1004.3	1006.6	1011.1	1014.5	1013.9
180°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1



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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°	25.7	25.7	25.7	25.7	25.7	34.3	45.7	51.5	44.2	29.7	18.9
92.5°	103.1	82.6	103.1	123.6	128.7	182.4	254.0	289.9	254.5	183.7	130.7
95°	359.3	297.3	359.3	421.3	436.8	573.6	756.1	847.3	715.6	452.1	254.6
97.5°	861.0	743.0	861.0	978.9	1008.4	1094.9	1210.2	1267.9	1048.3	609.0	279.7
100°	1240.5	1099.9	1240.5	1381.0	1416.1	1409.8	1401.4	1397.2	1153.5	666.1	300.7
102.5°	1613.7	1493.4	1613.7	1734.1	1764.2	1654.1	1507.1	1433.7	1186.6	692.4	321.7
105°	2089.7	2025.0	2089.7	2154.4	2170.6	1923.6	1594.3	1429.7	1190.4	711.8	352.8
107.5°	2401.4	2417.1	2401.4	2385.8	2381.9	2037.4	1578.1	1348.4	1137.4	715.4	398.9
110°	2520.4	2587.8	2520.4	2452.9	2436.1	2050.9	1537.4	1280.7	1090.4	709.9	424.6





TEST NUMBER: P935638

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2530.9	2634.5	2530.9	2427.4	2401.5	2007.3	1481.8	1219.0	1049.4	710.2	455.8
115°	2463.8	2607.4	2463.8	2320.3	2284.4	1904.7	1398.4	1145.2	1002.4	716.8	502.6
117.5°	2321.5	2480.8	2321.5	2162.3	2122.5	1779.8	1322.9	1094.4	972.9	730.1	547.9
120°	2206.9	2361.6	2206.9	2052.2	2013.4	1700.3	1282.8	1074.1	963.0	740.9	574.3
122.5°	2095.1	2247.8	2095.1	1942.5	1904.4	1622.5	1246.6	1058.6	957.8	756.5	605.5
125°	1935.9	2076.5	1935.9	1795.3	1760.2	1520.7	1201.3	1041.6	953.6	777.5	645.4
127.5°	1792.6	1911.2	1792.6	1674.0	1644.4	1438.8	1164.5	1027.4	951.1	798.5	684.0
130°	1708.2	1817.8	1708.2	1598.6	1571.2	1388.1	1144.0	1021.9	952.5	813.8	709.7
132.5°	1631.6	1729.7	1631.6	1533.4	1508.9	1345.0	1126.5	1017.2	953.6	826.3	730.8
135°	1526.6	1611.2	1526.6	1442.0	1420.9	1283.6	1100.6	1009.1	952.7	839.8	755.1
137.5°	1442.3	1511.6	1442.3	1373.1	1355.8	1239.8	1085.1	1007.7	958.5	860.1	786.3
140°	1384.6	1449.3	1384.6	1319.9	1303.7	1203.5	1069.8	1003.0	959.5	872.5	807.2
142.5°	1336.7	1392.5	1336.7	1281.1	1267.2	1179.1	1061.7	1003.0	963.0	882.9	822.9
145°	1265.0	1307.1	1265.0	1222.9	1212.3	1140.3	1044.3	996.2	963.0	896.5	846.6
147.5°	1209.9	1244.8	1209.9	1175.0	1166.3	1109.6	1034.0	996.2	969.6	916.3	876.4
150°	1175.2	1203.5	1175.2	1146.9	1139.8	1092.0	1028.1	996.2	973.0	926.7	891.9
152.5°	1145.5	1166.9	1145.5	1124.1	1118.8	1077.9	1023.4	996.2	975.3	933.5	902.1
155°	1111.5	1125.6	1111.5	1097.4	1093.8	1061.3	1017.9	996.2	980.3	948.3	924.4
157.5°	1084.5	1094.4	1084.5	1074.5	1072.1	1046.8	1013.0	996.2	985.2	963.2	946.8
160°	1068.4	1074.1	1068.4	1062.7	1061.3	1039.6	1010.7	996.2	987.5	970.1	957.0
162.5°	1057.9	1063.3	1057.9	1052.5	1051.1	1032.7	1008.4	996.2	989.9	977.3	967.8
165°	1042.7	1048.4	1042.7	1036.9	1035.5	1022.5	1004.9	996.2	993.3	987.7	983.4
167.5°	1031.7	1034.1	1031.7	1029.3	1028.7	1020.2	1008.8	1003.0	1000.6	995.8	992.2
170°	1028.7	1028.7	1028.7	1028.7	1028.7	1020.2	1008.8	1003.0	1002.8	1002.6	1002.3
172.5°	1020.7	1018.6	1020.7	1022.8	1023.3	1016.5	1007.5	1003.0	1003.0	1003.0	1003.0
175°	1015.9	1015.9	1015.9	1015.9	1015.9	1011.6	1005.9	1003.0	1004.4	1007.1	1009.1
177.5°	1011.6	1009.1	1011.6	1013.9	1014.5	1011.1	1006.6	1004.3	1005.4	1007.5	1009.1
180°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1



TEST NUMBER: P935638

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3000K

**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°	17.6	12.2	6.8	12.2	17.6	18.9	29.7	44.2	51.5	45.7	34.3
92.5°	119.2	73.2	27.1	73.2	119.2	130.7	183.7	254.5	289.9	254.0	182.4
95°	233.5	149.3	65.1	149.3	233.5	254.6	452.1	715.6	847.3	756.1	573.6
97.5°	261.1	186.7	112.4	186.7	261.1	279.7	609.0	1048.3	1267.9	1210.2	1094.9
100°	283.8	216.4	149.0	216.4	283.8	300.7	666.1	1153.5	1397.2	1401.4	1409.8
102.5°	306.0	243.0	180.2	243.0	306.0	321.7	692.4	1186.6	1433.7	1507.1	1654.1
105°	339.5	286.3	233.0	286.3	339.5	352.8	711.8	1190.4	1429.7	1594.3	1923.6
107.5°	386.5	336.8	287.2	336.8	386.5	398.9	715.4	1137.4	1348.4	1578.1	2037.4
110°	413.3	368.5	323.7	368.5	413.3	424.6	709.9	1090.4	1280.7	1537.4	2050.9



TEST NUMBER: P935638

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	445.1	402.4	359.6	402.4	445.1	455.8	710.2	1049.4	1219.0	1481.8	2007.3
115°	492.7	453.2	413.8	453.2	492.7	502.6	716.8	1002.4	1145.2	1398.4	1904.7
117.5°	538.9	503.2	467.3	503.2	538.9	547.9	730.1	972.9	1094.4	1322.9	1779.8
120°	565.9	532.2	498.5	532.2	565.9	574.3	740.9	963.0	1074.1	1282.8	1700.3
122.5°	597.0	563.0	529.0	563.0	597.0	605.5	756.5	957.8	1058.6	1246.6	1622.5
125°	637.6	606.7	575.6	606.7	637.6	645.4	777.5	953.6	1041.6	1201.3	1520.7
127.5°	676.2	644.9	613.6	644.9	676.2	684.0	798.5	951.1	1027.4	1164.5	1438.8
130°	701.3	667.6	633.9	667.6	701.3	709.7	813.8	952.5	1021.9	1144.0	1388.1
132.5°	722.3	688.6	654.9	688.6	722.3	730.8	826.3	953.6	1017.2	1126.5	1345.0
135°	747.4	716.7	686.0	716.7	747.4	755.1	839.8	952.7	1009.1	1100.6	1283.6
137.5°	778.7	748.3	717.9	748.3	778.7	786.3	860.1	958.5	1007.7	1085.1	1239.8
140°	800.3	772.3	744.3	772.3	800.3	807.2	872.5	959.5	1003.0	1069.8	1203.5
142.5°	816.4	790.5	764.6	790.5	816.4	822.9	882.9	963.0	1003.0	1061.7	1179.1
145°	840.9	818.3	795.7	818.3	840.9	846.6	896.5	963.0	996.2	1044.3	1140.3
147.5°	870.9	848.9	826.9	848.9	870.9	876.4	916.3	969.6	996.2	1034.0	1109.6
150°	886.9	867.2	847.3	867.2	886.9	891.9	926.7	973.0	996.2	1028.1	1092.0
152.5°	898.4	883.3	868.2	883.3	898.4	902.1	933.5	975.3	996.2	1023.4	1077.9
155°	921.7	910.6	899.4	910.6	921.7	924.4	948.3	980.3	996.2	1017.9	1061.3
157.5°	944.1	933.3	922.4	933.3	944.1	946.8	963.2	985.2	996.2	1013.0	1046.8
160°	954.9	946.4	938.0	946.4	954.9	957.0	970.1	987.5	996.2	1010.7	1039.6
162.5°	966.2	959.8	953.6	959.8	966.2	967.8	977.3	989.9	996.2	1008.4	1032.7
165°	982.0	976.2	970.5	976.2	982.0	983.4	987.7	993.3	996.2	1004.9	1022.5
167.5°	991.5	988.8	986.1	988.8	991.5	992.2	995.8	1000.6	1003.0	1008.8	1020.2
170°	1001.6	998.9	996.2	998.9	1001.6	1002.3	1002.6	1002.8	1003.0	1008.8	1020.2
172.5°	1002.8	1002.2	1001.6	1002.2	1002.8	1003.0	1003.0	1003.0	1003.0	1007.5	1016.5
175°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1007.1	1004.4	1003.0	1005.9	1011.6
177.5°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1007.5	1005.4	1004.3	1006.6	1011.1
180°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1



TEST NUMBER: P935638

CATALOG NUMBER: SQ4-FA-125U-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°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	34.3	45.7	51.5	44.2
92.5°	128.7	123.6	103.1	82.6	103.1	123.6	128.7	182.4	254.0	289.9	254.5
95°	436.8	421.3	359.3	297.3	359.3	421.3	436.8	573.6	756.1	847.3	715.6
97.5°	1008.4	978.9	861.0	743.0	861.0	978.9	1008.4	1094.9	1210.2	1267.9	1048.3
100°	1416.1	1381.0	1240.5	1099.9	1240.5	1381.0	1416.1	1409.8	1401.4	1397.2	1153.5
102.5°	1764.2	1734.1	1613.7	1493.4	1613.7	1734.1	1764.2	1654.1	1507.1	1433.7	1186.6
105°	2170.6	2154.4	2089.7	2025.0	2089.7	2154.4	2170.6	1923.6	1594.3	1429.7	1190.4
107.5°	2381.9	2385.8	2401.4	2417.1	2401.4	2385.8	2381.9	2037.4	1578.1	1348.4	1137.4
110°	2436.1	2452.9	2520.4	2587.8	2520.4	2452.9	2436.1	2050.9	1537.4	1280.7	1090.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2401.5	2427.4	2530.9	2634.5	2530.9	2427.4	2401.5	2007.3	1481.8	1219.0	1049.4
115°	2284.4	2320.3	2463.8	2607.4	2463.8	2320.3	2284.4	1904.7	1398.4	1145.2	1002.4
117.5°	2122.5	2162.3	2321.5	2480.8	2321.5	2162.3	2122.5	1779.8	1322.9	1094.4	972.9
120°	2013.4	2052.2	2206.9	2361.6	2206.9	2052.2	2013.4	1700.3	1282.8	1074.1	963.0
122.5°	1904.4	1942.5	2095.1	2247.8	2095.1	1942.5	1904.4	1622.5	1246.6	1058.6	957.8
125°	1760.2	1795.3	1935.9	2076.5	1935.9	1795.3	1760.2	1520.7	1201.3	1041.6	953.6
127.5°	1644.4	1674.0	1792.6	1911.2	1792.6	1674.0	1644.4	1438.8	1164.5	1027.4	951.1
130°	1571.2	1598.6	1708.2	1817.8	1708.2	1598.6	1571.2	1388.1	1144.0	1021.9	952.5
132.5°	1508.9	1533.4	1631.6	1729.7	1631.6	1533.4	1508.9	1345.0	1126.5	1017.2	953.6
135°	1420.9	1442.0	1526.6	1611.2	1526.6	1442.0	1420.9	1283.6	1100.6	1009.1	952.7
137.5°	1355.8	1373.1	1442.3	1511.6	1442.3	1373.1	1355.8	1239.8	1085.1	1007.7	958.5
140°	1303.7	1319.9	1384.6	1449.3	1384.6	1319.9	1303.7	1203.5	1069.8	1003.0	959.5
142.5°	1267.2	1281.1	1336.7	1392.5	1336.7	1281.1	1267.2	1179.1	1061.7	1003.0	963.0
145°	1212.3	1222.9	1265.0	1307.1	1265.0	1222.9	1212.3	1140.3	1044.3	996.2	963.0
147.5°	1166.3	1175.0	1209.9	1244.8	1209.9	1175.0	1166.3	1109.6	1034.0	996.2	969.6
150°	1139.8	1146.9	1175.2	1203.5	1175.2	1146.9	1139.8	1092.0	1028.1	996.2	973.0
152.5°	1118.8	1124.1	1145.5	1166.9	1145.5	1124.1	1118.8	1077.9	1023.4	996.2	975.3
155°	1093.8	1097.4	1111.5	1125.6	1111.5	1097.4	1093.8	1061.3	1017.9	996.2	980.3
157.5°	1072.1	1074.5	1084.5	1094.4	1084.5	1074.5	1072.1	1046.8	1013.0	996.2	985.2
160°	1061.3	1062.7	1068.4	1074.1	1068.4	1062.7	1061.3	1039.6	1010.7	996.2	987.5
162.5°	1051.1	1052.5	1057.9	1063.3	1057.9	1052.5	1051.1	1032.7	1008.4	996.2	989.9
165°	1035.5	1036.9	1042.7	1048.4	1042.7	1036.9	1035.5	1022.5	1004.9	996.2	993.3
167.5°	1028.7	1029.3	1031.7	1034.1	1031.7	1029.3	1028.7	1020.2	1008.8	1003.0	1000.6
170°	1028.7	1028.7	1028.7	1028.7	1028.7	1028.7	1028.7	1020.2	1008.8	1003.0	1002.8
172.5°	1023.3	1022.8	1020.7	1018.6	1020.7	1022.8	1023.3	1016.5	1007.5	1003.0	1003.0
175°	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1011.6	1005.9	1003.0	1004.4
177.5°	1014.5	1013.9	1011.6	1009.1	1011.6	1013.9	1014.5	1011.1	1006.6	1004.3	1005.4
180°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1



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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°	29.7	18.9	17.6	12.2	6.8
92.5°	183.7	130.7	119.2	73.2	27.1
95°	452.1	254.6	233.5	149.3	65.1
97.5°	609.0	279.7	261.1	186.7	112.4
100°	666.1	300.7	283.8	216.4	149.0
102.5°	692.4	321.7	306.0	243.0	180.2
105°	711.8	352.8	339.5	286.3	233.0
107.5°	715.4	398.9	386.5	336.8	287.2
110°	709.9	424.6	413.3	368.5	323.7



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CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	710.2	455.8	445.1	402.4	359.6
115°	716.8	502.6	492.7	453.2	413.8
117.5°	730.1	547.9	538.9	503.2	467.3
120°	740.9	574.3	565.9	532.2	498.5
122.5°	756.5	605.5	597.0	563.0	529.0
125°	777.5	645.4	637.6	606.7	575.6
127.5°	798.5	684.0	676.2	644.9	613.6
130°	813.8	709.7	701.3	667.6	633.9
132.5°	826.3	730.8	722.3	688.6	654.9
135°	839.8	755.1	747.4	716.7	686.0
137.5°	860.1	786.3	778.7	748.3	717.9
140°	872.5	807.2	800.3	772.3	744.3
142.5°	882.9	822.9	816.4	790.5	764.6
145°	896.5	846.6	840.9	818.3	795.7
147.5°	916.3	876.4	870.9	848.9	826.9
150°	926.7	891.9	886.9	867.2	847.3
152.5°	933.5	902.1	898.4	883.3	868.2
155°	948.3	924.4	921.7	910.6	899.4
157.5°	963.2	946.8	944.1	933.3	922.4
160°	970.1	957.0	954.9	946.4	938.0
162.5°	977.3	967.8	966.2	959.8	953.6
165°	987.7	983.4	982.0	976.2	970.5
167.5°	995.8	992.2	991.5	988.8	986.1
170°	1002.6	1002.3	1001.6	998.9	996.2
172.5°	1003.0	1003.0	1002.8	1002.2	1001.6
175°	1007.1	1009.1	1009.1	1009.1	1009.1
177.5°	1007.5	1009.1	1009.1	1009.1	1009.1
180°	1009.1	1009.1	1009.1	1009.1	1009.1



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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	12.44	13.23	13.46	14.27	15.65	15.27	16.06	16.29	17.09	18.47
	3H	12.91	13.62	13.95	14.66	16.06	16.60	17.32	17.64	18.36	19.76
	4H	13.10	13.77	14.15	14.82	16.22	17.04	17.72	18.09	18.76	20.17
	6H	13.22	13.84	14.27	14.88	16.30	17.32	17.94	18.38	18.99	20.41
	8H	13.22	13.81	14.28	14.87	16.28	17.40	17.99	18.46	19.05	20.46
	12H	13.18	13.75	14.25	14.80	16.24	17.43	17.99	18.50	19.05	20.49
4H	2H	13.46	14.14	14.52	15.18	16.59	15.67	16.34	16.72	17.38	18.79
	3H	14.48	15.05	15.54	16.12	17.54	17.16	17.73	18.22	18.80	20.22
	4H	14.76	15.27	15.82	16.33	17.78	17.69	18.20	18.75	19.26	20.71
	6H	14.88	15.32	15.95	16.41	17.84	18.05	18.49	19.12	19.57	21.01
	8H	14.88	15.30	15.96	16.37	17.83	18.15	18.57	19.23	19.64	21.10
	12H	14.85	15.22	15.94	16.31	17.77	18.21	18.58	19.30	19.67	21.13
8H	4H	15.21	15.62	16.28	16.69	18.15	17.81	18.22	18.88	19.30	20.75
	6H	15.46	15.80	16.56	16.92	18.37	18.24	18.58	19.34	19.70	21.15
	8H	15.51	15.80	16.61	16.91	18.38	18.39	18.69	19.50	19.79	21.26
	12H	15.49	15.75	16.60	16.85	18.36	18.48	18.75	19.59	19.84	21.35
12H	4H	15.21	15.58	16.30	16.67	18.13	17.77	18.14	18.86	19.23	20.69
	6H	15.52	15.82	16.63	16.92	18.39	18.24	18.54	19.34	19.64	21.11
	8H	15.59	15.85	16.70	16.95	18.46	18.39	18.66	19.50	19.75	21.26