

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: P935639

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

**Test Information**

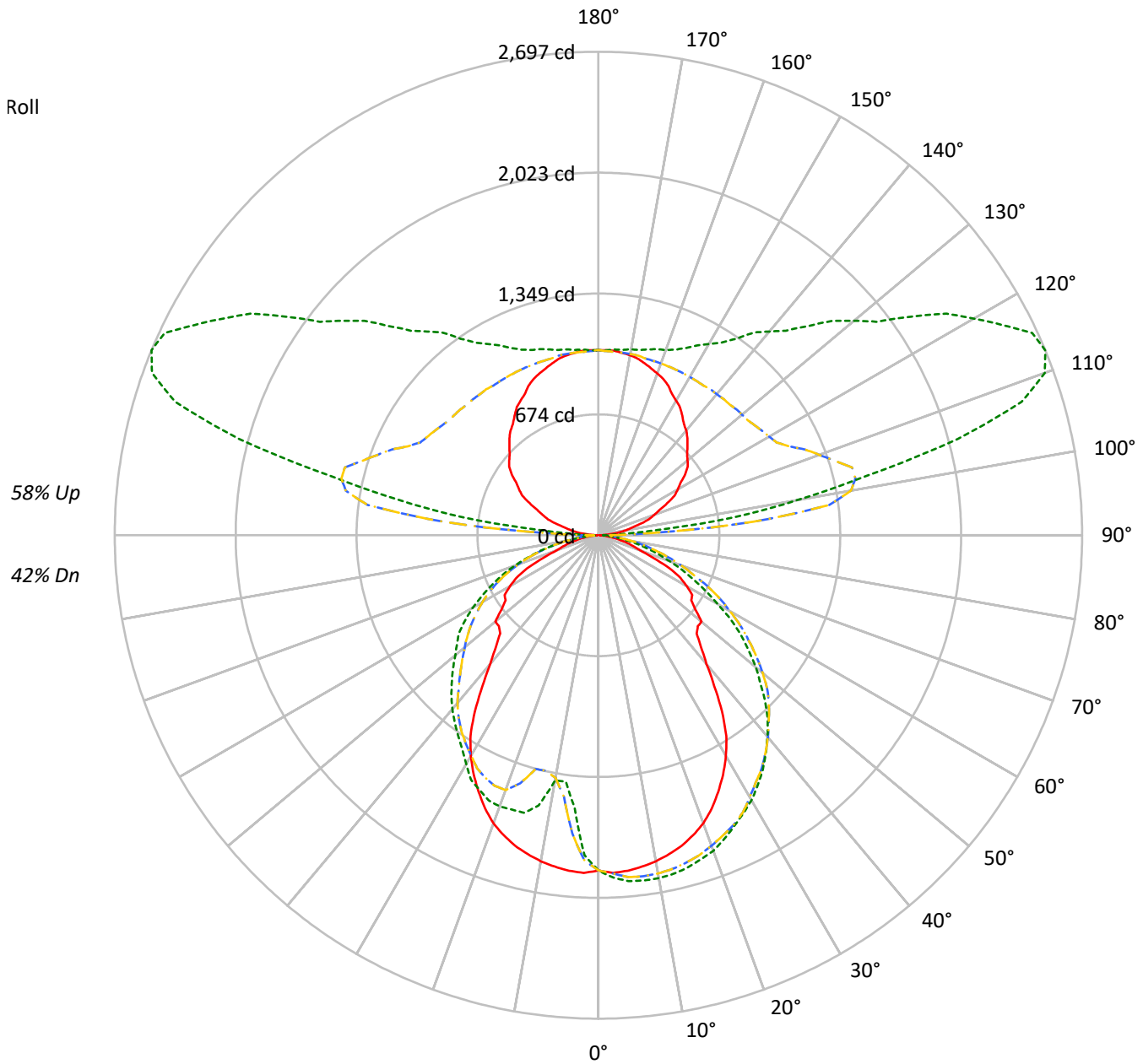
Test Method: LM-79-2019  
Report Number: P935639  
REPORT IS A COMBINATION OF REPORTS P933763 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11547.8 lumens  
Efficiency: N/A  
Efficacy: 119.5 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°	11566	11566	11566	11566
5°	11648	11676	11648	9181
10°	11566	11501	11566	8223
15°	11436	11252	11436	9396
20°	11193	10957	11193	9415
25°	10699	10526	10699	9216
30°	10062	10169	10062	8777
35°	8966	9717	8966	8296
40°	7466	9184	7466	7932
45°	6667	8562	6667	7514
50°	7077	7818	7077	7094
55°	6653	7018	6653	6851
60°	6850	5960	6850	6275
65°	6200	4927	6200	5508
70°	4282	3926	4282	4616
75°	3742	2902	3742	3476
80°	2991	1919	2991	2089
85°	1687	1017	1687	865

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10225 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.8	1.5
10°-20°	479.2	4.1
20°-30°	740.8	6.4
30°-40°	884.3	7.7
40°-50°	889.5	7.7
50°-60°	774.0	6.7
60°-70°	548.7	4.8
70°-80°	290.3	2.5
80°-90°	76.2	0.7
90°-100°	503.5	4.4
100°-110°	1323.7	11.5
110°-120°	1372.6	11.9
120°-130°	1101.0	9.5
130°-140°	863.9	7.5
140°-150°	663.1	5.7
150°-160°	477.5	4.1
160°-170°	292.2	2.5
170°-180°	98.7	0.9
0°-30°	1388.7	12.0
0°-40°	2273.0	19.7
0°-60°	3936.4	34.1
0°-90°	4851.7	42.0
90°-120°	3199.8	27.7
90°-150°	5827.7	50.5
90°-180°	6696.0	58.0
0°-180°	11547.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1870	1870	1870	1870	1870	
5°	1878	1937	1878	1523	1878	178
15°	1794	1919	1794	1603	1794	505
25°	1580	1790	1580	1567	1580	725
35°	1201	1597	1201	1364	1201	743
45°	775	1316	775	1155	775	621
55°	632	971	632	948	632	580
65°	439	586	439	654	439	419
75°	166	278	166	333	166	175
85°	28	71	28	60	28	38
90°	7	26	7	26	7	7
95°	67	304	67	304	67	74
105°	238	2073	238	2073	238	253
115°	424	2669	424	2669	424	418
125°	589	2126	589	2126	589	523
135°	702	1649	702	1649	702	543
145°	814	1338	814	1338	814	510
155°	921	1152	921	1152	921	423
165°	993	1073	993	1073	993	280
175°	1033	1040	1033	1040	1033	98
180°	1033	1033	1033	1033	1033	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1885.7	1885.7	1896.3	1899.8	1899.8	1894.5	1889.1	1894.5	1910.4	1915.7	1914.0
5°	1878.5	1892.7	1912.2	1915.7	1919.2	1917.4	1914.0	1917.4	1935.1	1938.7	1940.5
7.5°	1864.4	1890.9	1915.7	1921.0	1926.3	1921.0	1919.2	1922.8	1940.5	1944.0	1944.0
10°	1846.7	1883.9	1912.2	1915.7	1921.0	1915.7	1915.7	1922.8	1940.5	1944.0	1945.7
12.5°	1821.9	1873.3	1899.8	1903.3	1910.4	1908.6	1906.8	1914.0	1931.6	1935.1	1935.1
15°	1793.6	1853.8	1878.5	1882.1	1894.5	1890.9	1890.9	1898.0	1917.4	1922.8	1921.0
17.5°	1754.7	1829.0	1857.4	1862.6	1871.5	1869.7	1871.5	1878.5	1896.3	1899.8	1901.5
20°	1710.5	1795.4	1829.0	1834.3	1843.2	1843.2	1843.2	1852.0	1869.7	1876.8	1876.8
22.5°	1650.4	1760.1	1795.4	1799.0	1809.6	1809.6	1813.1	1825.5	1841.4	1843.2	1843.2
25°	1579.6	1721.1	1751.2	1761.8	1772.4	1777.7	1783.0	1790.1	1795.4	1793.6	1795.4
27.5°	1505.3	1671.6	1710.5	1717.6	1731.8	1737.0	1744.1	1745.9	1747.7	1752.9	1749.4
30°	1422.2	1602.6	1661.0	1668.0	1691.1	1694.5	1687.5	1691.1	1699.9	1703.5	1707.0
32.5°	1328.4	1500.0	1609.7	1625.6	1646.8	1636.2	1634.5	1639.7	1653.9	1653.9	1657.4
35°	1201.1	1420.4	1561.9	1576.1	1592.0	1579.6	1586.7	1588.4	1597.3	1602.6	1600.8
37.5°	1061.3	1351.4	1512.4	1523.0	1535.4	1519.5	1530.0	1535.4	1542.4	1539.0	1539.0
40°	937.5	1243.5	1454.0	1461.1	1471.8	1459.3	1470.0	1473.4	1477.0	1473.4	1471.8
42.5°	845.5	1125.0	1392.1	1401.0	1393.9	1402.8	1406.2	1413.4	1408.0	1401.0	1401.0
45°	774.8	1093.2	1324.9	1335.5	1324.9	1339.0	1344.4	1344.4	1328.4	1324.9	1323.1
47.5°	751.8	1029.5	1257.7	1257.7	1252.3	1270.0	1278.9	1266.5	1250.6	1245.3	1245.3
50°	750.0	958.8	1165.7	1158.6	1183.3	1204.6	1195.8	1183.3	1171.0	1151.6	1151.6
52.5°	681.0	872.1	1047.1	1073.7	1112.7	1125.0	1110.9	1098.5	1077.2	1068.4	1061.3
55°	631.5	781.8	939.3	992.3	1033.0	1048.9	1022.4	1010.0	978.2	972.9	969.4
57.5°	620.9	651.0	840.2	907.4	957.0	955.2	939.3	916.3	889.8	884.4	882.7
60°	569.6	470.5	734.1	813.7	864.9	859.7	845.5	824.3	799.5	796.0	792.5
62.5°	516.5	341.4	613.8	704.0	776.6	774.8	762.4	730.5	712.8	704.0	697.0
65°	438.7	286.5	436.9	585.5	689.9	693.4	666.9	643.8	624.4	613.8	612.1
67.5°	334.3	233.5	295.4	488.2	606.7	603.2	569.6	559.0	534.2	528.9	518.3
70°	247.6	155.7	205.2	396.2	525.4	516.5	490.0	477.6	454.6	442.2	435.2
72.5°	205.2	125.6	150.3	307.8	442.2	431.6	408.6	394.4	375.0	364.4	357.3
75°	166.3	132.6	115.0	228.2	359.1	352.0	330.8	316.6	300.7	286.5	288.3
77.5°	122.0	123.8	91.9	168.1	284.7	274.2	261.8	244.1	237.0	222.9	222.9
80°	91.9	97.3	69.0	115.0	205.2	205.2	194.6	182.2	169.8	162.7	162.7
82.5°	61.9	61.9	51.3	72.5	139.8	134.4	127.4	123.8	116.8	113.2	113.2
85°	28.3	35.3	31.9	44.2	76.1	79.6	79.6	76.1	74.3	70.8	72.5
87.5°	8.8	15.9	19.5	24.7	38.9	40.7	42.5	42.5	42.5	44.2	44.2
90°	7.0	12.5	18.0	19.4	30.4	45.3	52.7	46.8	35.1	26.3	26.3
92.5°	27.8	74.9	122.0	133.8	188.1	260.5	296.7	260.0	186.7	131.8	126.5
95°	66.6	152.8	239.0	260.6	462.8	732.5	867.3	773.9	587.2	447.1	431.2
97.5°	115.1	191.1	267.3	286.3	623.4	1073.0	1297.8	1238.8	1120.8	1032.2	1002.1
100°	152.5	221.5	290.5	307.8	681.9	1180.8	1430.2	1434.4	1443.1	1449.5	1413.6
102.5°	184.4	248.8	313.2	329.3	708.7	1214.6	1467.6	1542.7	1693.1	1805.9	1775.1
105°	238.5	293.0	347.5	361.2	728.6	1218.5	1463.5	1632.0	1969.0	2221.8	2205.2
107.5°	293.9	344.7	395.6	408.3	732.3	1164.2	1380.3	1615.4	2085.5	2438.1	2442.1
110°	331.3	377.2	423.1	434.6	726.7	1116.1	1310.9	1573.7	2099.4	2493.6	2510.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	368.1	411.9	455.6	466.6	726.9	1074.2	1247.8	1516.7	2054.7	2458.2	2484.7
115°	423.5	463.9	504.3	514.4	733.7	1026.1	1172.3	1431.4	1949.7	2338.3	2375.1
117.5°	478.4	515.0	551.6	560.8	747.3	995.9	1120.2	1354.1	1821.8	2172.6	2213.3
120°	510.2	544.8	579.2	587.9	758.4	985.7	1099.4	1313.1	1740.4	2061.0	2100.6
122.5°	541.5	576.3	611.1	619.7	774.3	980.5	1083.6	1276.0	1660.8	1949.4	1988.4
125°	589.2	621.0	652.7	660.6	795.9	976.1	1066.2	1229.7	1556.6	1801.8	1837.7
127.5°	628.0	660.1	692.1	700.2	817.4	973.6	1051.7	1192.0	1472.7	1683.2	1713.6
130°	648.8	683.4	717.8	726.5	833.0	975.0	1046.1	1171.0	1420.9	1608.3	1636.4
132.5°	670.4	704.9	739.4	748.0	845.8	976.1	1041.2	1153.1	1376.8	1544.5	1569.6
135°	702.2	733.6	765.1	772.9	859.6	975.2	1032.9	1126.6	1313.9	1454.4	1476.0
137.5°	734.8	766.0	797.1	804.9	880.4	981.2	1031.5	1110.7	1269.0	1387.8	1405.5
140°	761.9	790.5	819.2	826.3	893.1	982.1	1026.7	1095.1	1231.9	1334.5	1351.1
142.5°	782.6	809.2	835.7	842.3	903.8	985.7	1026.7	1086.8	1206.9	1297.1	1311.3
145°	814.5	837.6	860.8	866.6	917.6	985.7	1019.7	1068.9	1167.2	1240.9	1251.7
147.5°	846.5	869.0	891.5	897.1	938.0	992.5	1019.7	1058.4	1135.8	1193.8	1202.7
150°	867.3	887.6	907.9	913.0	948.6	996.0	1019.7	1052.4	1117.7	1166.7	1174.0
152.5°	888.7	904.1	919.6	923.4	955.5	998.3	1019.7	1047.6	1103.4	1145.2	1150.7
155°	920.6	932.1	943.4	946.3	970.7	1003.4	1019.7	1042.0	1086.3	1119.6	1123.3
157.5°	944.2	955.3	966.4	969.1	986.0	1008.5	1019.7	1037.0	1071.5	1097.4	1099.9
160°	960.1	968.8	977.4	979.6	993.0	1010.8	1019.7	1034.5	1064.1	1086.3	1087.7
162.5°	976.1	982.5	989.0	990.6	1000.4	1013.3	1019.7	1032.2	1057.1	1075.9	1077.3
165°	993.4	999.3	1005.2	1006.6	1011.0	1016.8	1019.7	1028.7	1046.6	1060.0	1061.4
167.5°	1009.4	1012.1	1014.9	1015.6	1019.3	1024.2	1026.7	1032.6	1044.3	1053.0	1053.6
170°	1019.7	1022.5	1025.3	1026.0	1026.2	1026.5	1026.7	1032.6	1044.3	1053.0	1053.0
172.5°	1025.3	1025.9	1026.5	1026.7	1026.7	1026.7	1026.7	1031.3	1040.5	1047.5	1047.0
175°	1032.9	1032.9	1032.9	1032.9	1030.9	1028.1	1026.7	1029.6	1035.5	1039.9	1039.9
177.5°	1032.9	1032.9	1032.9	1032.9	1031.3	1029.1	1028.0	1030.4	1035.0	1038.5	1037.8
180°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1917.4	1912.2	1917.4	1914.0	1915.7	1910.4	1894.5	1889.1	1894.5	1899.8	1899.8
5°	1940.5	1936.9	1940.5	1940.5	1938.7	1935.1	1917.4	1914.0	1917.4	1919.2	1915.7
7.5°	1947.5	1942.3	1947.5	1944.0	1944.0	1940.5	1922.8	1919.2	1921.0	1926.3	1921.0
10°	1947.5	1942.3	1947.5	1945.7	1944.0	1940.5	1922.8	1915.7	1915.7	1921.0	1915.7
12.5°	1938.7	1935.1	1938.7	1935.1	1935.1	1931.6	1914.0	1906.8	1908.6	1910.4	1903.3
15°	1924.6	1919.2	1924.6	1921.0	1922.8	1917.4	1898.0	1890.9	1890.9	1894.5	1882.1
17.5°	1903.3	1896.3	1903.3	1901.5	1899.8	1896.3	1878.5	1871.5	1869.7	1871.5	1862.6
20°	1878.5	1873.3	1878.5	1876.8	1876.8	1869.7	1852.0	1843.2	1843.2	1843.2	1834.3
22.5°	1839.6	1834.3	1839.6	1843.2	1843.2	1841.4	1825.5	1813.1	1809.6	1809.6	1799.0
25°	1795.4	1790.1	1795.4	1795.4	1793.6	1795.4	1790.1	1783.0	1777.7	1772.4	1761.8
27.5°	1752.9	1749.4	1752.9	1749.4	1752.9	1747.7	1745.9	1744.1	1737.0	1731.8	1717.6
30°	1710.5	1707.0	1710.5	1707.0	1703.5	1699.9	1691.1	1687.5	1694.5	1691.1	1668.0
32.5°	1657.4	1653.9	1657.4	1657.4	1653.9	1653.9	1639.7	1634.5	1636.2	1646.8	1625.6
35°	1602.6	1597.3	1602.6	1600.8	1602.6	1597.3	1588.4	1586.7	1579.6	1592.0	1576.1
37.5°	1539.0	1533.6	1539.0	1539.0	1539.0	1542.4	1535.4	1530.0	1519.5	1535.4	1523.0
40°	1473.4	1466.4	1473.4	1471.8	1473.4	1477.0	1473.4	1470.0	1459.3	1471.8	1461.1
42.5°	1399.2	1397.4	1399.2	1401.0	1401.0	1408.0	1413.4	1406.2	1402.8	1393.9	1401.0
45°	1319.6	1316.1	1319.6	1323.1	1324.9	1328.4	1344.4	1344.4	1339.0	1324.9	1335.5
47.5°	1234.7	1225.8	1234.7	1245.3	1245.3	1250.6	1266.5	1278.9	1270.0	1252.3	1257.7
50°	1144.4	1146.2	1144.4	1151.6	1151.6	1171.0	1183.3	1195.8	1204.6	1183.3	1158.6
52.5°	1056.1	1054.3	1056.1	1061.3	1068.4	1077.2	1098.5	1110.9	1125.0	1112.7	1073.7
55°	967.6	971.1	967.6	969.4	972.9	978.2	1010.0	1022.4	1048.9	1033.0	992.3
57.5°	879.1	873.8	879.1	882.7	884.4	889.8	916.3	939.3	955.2	957.0	907.4
60°	776.6	769.4	776.6	792.5	796.0	799.5	824.3	845.5	859.7	864.9	813.7
62.5°	686.3	673.9	686.3	697.0	704.0	712.8	730.5	762.4	774.8	776.6	704.0
65°	590.8	585.5	590.8	612.1	613.8	624.4	643.8	666.9	693.4	689.9	585.5
67.5°	504.2	504.2	504.2	518.3	528.9	534.2	559.0	569.6	603.2	606.7	488.2
70°	424.5	422.7	424.5	435.2	442.2	454.6	477.6	490.0	516.5	525.4	396.2
72.5°	348.5	346.7	348.5	357.3	364.4	375.0	394.4	408.6	431.6	442.2	307.8
75°	281.3	277.7	281.3	288.3	286.5	300.7	316.6	330.8	352.0	359.1	228.2
77.5°	215.8	215.8	215.8	222.9	222.9	237.0	244.1	261.8	274.2	284.7	168.1
80°	160.9	159.2	160.9	162.7	162.7	169.8	182.2	194.6	205.2	205.2	115.0
82.5°	113.2	109.7	113.2	113.2	113.2	116.8	123.8	127.4	134.4	139.8	72.5
85°	70.8	70.8	70.8	72.5	70.8	74.3	76.1	79.6	79.6	76.1	44.2
87.5°	46.0	44.2	46.0	44.2	44.2	42.5	42.5	42.5	40.7	38.9	24.7
90°	26.3	26.3	26.3	26.3	26.3	35.1	46.8	52.7	45.3	30.4	19.4
92.5°	105.5	84.5	105.5	126.5	131.8	186.7	260.0	296.7	260.5	188.1	133.8
95°	367.8	304.3	367.8	431.2	447.1	587.2	773.9	867.3	732.5	462.8	260.6
97.5°	881.3	760.5	881.3	1002.1	1032.2	1120.8	1238.8	1297.8	1073.0	623.4	286.3
100°	1269.8	1125.9	1269.8	1413.6	1449.5	1443.1	1434.4	1430.2	1180.8	681.9	307.8
102.5°	1651.8	1528.6	1651.8	1775.1	1805.9	1693.1	1542.7	1467.6	1214.6	708.7	329.3
105°	2139.0	2072.8	2139.0	2205.2	2221.8	1969.0	1632.0	1463.5	1218.5	728.6	361.2
107.5°	2458.1	2474.2	2458.1	2442.1	2438.1	2085.5	1615.4	1380.3	1164.2	732.3	408.3
110°	2579.9	2648.8	2579.9	2510.9	2493.6	2099.4	1573.7	1310.9	1116.1	726.7	434.6





TEST NUMBER: P935639

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2590.7	2696.7	2590.7	2484.7	2458.2	2054.7	1516.7	1247.8	1074.2	726.9	466.6
115°	2522.0	2668.9	2522.0	2375.1	2338.3	1949.7	1431.4	1172.3	1026.1	733.7	514.4
117.5°	2376.3	2539.3	2376.3	2213.3	2172.6	1821.8	1354.1	1120.2	995.9	747.3	560.8
120°	2259.0	2417.3	2259.0	2100.6	2061.0	1740.4	1313.1	1099.4	985.7	758.4	587.9
122.5°	2144.6	2300.8	2144.6	1988.4	1949.4	1660.8	1276.0	1083.6	980.5	774.3	619.7
125°	1981.6	2125.5	1981.6	1837.7	1801.8	1556.6	1229.7	1066.2	976.1	795.9	660.6
127.5°	1835.0	1956.4	1835.0	1713.6	1683.2	1472.7	1192.0	1051.7	973.6	817.4	700.2
130°	1748.6	1860.7	1748.6	1636.4	1608.3	1420.9	1171.0	1046.1	975.0	833.0	726.5
132.5°	1670.1	1770.5	1670.1	1569.6	1544.5	1376.8	1153.1	1041.2	976.1	845.8	748.0
135°	1562.6	1649.2	1562.6	1476.0	1454.4	1313.9	1126.6	1032.9	975.2	859.6	772.9
137.5°	1476.4	1547.3	1476.4	1405.5	1387.8	1269.0	1110.7	1031.5	981.2	880.4	804.9
140°	1417.3	1483.5	1417.3	1351.1	1334.5	1231.9	1095.1	1026.7	982.1	893.1	826.3
142.5°	1368.3	1425.3	1368.3	1311.3	1297.1	1206.9	1086.8	1026.7	985.7	903.8	842.3
145°	1294.8	1337.9	1294.8	1251.7	1240.9	1167.2	1068.9	1019.7	985.7	917.6	866.6
147.5°	1238.5	1274.2	1238.5	1202.7	1193.8	1135.8	1058.4	1019.7	992.5	938.0	897.1
150°	1203.0	1231.9	1203.0	1174.0	1166.7	1117.7	1052.4	1019.7	996.0	948.6	913.0
152.5°	1172.5	1194.4	1172.5	1150.7	1145.2	1103.4	1047.6	1019.7	998.3	955.5	923.4
155°	1137.7	1152.2	1137.7	1123.3	1119.6	1086.3	1042.0	1019.7	1003.4	970.7	946.3
157.5°	1110.1	1120.2	1110.1	1099.9	1097.4	1071.5	1037.0	1019.7	1008.5	986.0	969.1
160°	1093.6	1099.4	1093.6	1087.7	1086.3	1064.1	1034.5	1019.7	1010.8	993.0	979.6
162.5°	1082.8	1088.4	1082.8	1077.3	1075.9	1057.1	1032.2	1019.7	1013.3	1000.4	990.6
165°	1067.3	1073.1	1067.3	1061.4	1060.0	1046.6	1028.7	1019.7	1016.8	1011.0	1006.6
167.5°	1056.1	1058.6	1056.1	1053.6	1053.0	1044.3	1032.6	1026.7	1024.2	1019.3	1015.6
170°	1053.0	1053.0	1053.0	1053.0	1053.0	1044.3	1032.6	1026.7	1026.5	1026.2	1026.0
172.5°	1044.8	1042.7	1044.8	1047.0	1047.5	1040.5	1031.3	1026.7	1026.7	1026.7	1026.7
175°	1039.9	1039.9	1039.9	1039.9	1039.9	1035.5	1029.6	1026.7	1028.1	1030.9	1032.9
177.5°	1035.4	1032.9	1035.4	1037.8	1038.5	1035.0	1030.4	1028.0	1029.1	1031.3	1032.9
180°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9



TEST NUMBER: P935639

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1896.3	1885.7	1885.7	1867.9	1860.8	1855.6	1846.7	1820.1	1813.1	1806.0	1816.7
5°	1912.2	1892.7	1878.5	1846.7	1820.1	1809.6	1776.0	1712.3	1669.8	1638.0	1620.3
7.5°	1915.7	1890.9	1864.4	1814.9	1751.2	1722.8	1620.3	1503.5	1471.8	1443.4	1425.7
10°	1912.2	1883.9	1846.7	1772.4	1622.1	1572.5	1470.0	1393.9	1374.5	1369.1	1374.5
12.5°	1899.8	1873.3	1821.9	1698.1	1487.6	1454.0	1393.9	1349.6	1346.2	1355.0	1402.8
15°	1878.5	1853.8	1793.6	1599.0	1413.4	1388.6	1346.2	1330.2	1349.6	1411.6	1554.9
17.5°	1857.4	1829.0	1754.7	1501.7	1356.7	1339.0	1308.9	1340.8	1450.5	1533.6	1581.4
20°	1829.0	1795.4	1710.5	1431.0	1316.1	1300.1	1286.0	1429.3	1512.4	1542.4	1569.0
22.5°	1795.4	1760.1	1650.4	1381.5	1273.6	1261.2	1270.0	1478.8	1512.4	1533.6	1556.6
25°	1751.2	1721.1	1579.6	1342.6	1240.0	1225.8	1259.5	1473.4	1492.9	1498.3	1544.2
27.5°	1710.5	1671.6	1505.3	1307.2	1199.3	1194.0	1268.3	1450.5	1464.6	1470.0	1519.5
30°	1661.0	1602.6	1422.2	1270.0	1156.8	1155.1	1270.0	1422.2	1418.6	1432.8	1482.3
32.5°	1609.7	1500.0	1328.4	1224.0	1116.1	1114.4	1257.7	1379.7	1376.2	1395.6	1432.8
35°	1561.9	1420.4	1201.1	1171.0	1064.9	1066.6	1227.6	1330.2	1332.0	1349.6	1372.7
37.5°	1512.4	1351.4	1061.3	1112.7	1015.4	1015.4	1186.9	1284.2	1280.6	1286.0	1317.8
40°	1454.0	1243.5	937.5	1036.6	969.4	964.0	1137.4	1234.7	1222.3	1220.6	1264.8
42.5°	1392.1	1125.0	845.5	935.7	916.3	909.2	1077.2	1174.5	1151.6	1156.8	1213.4
45°	1324.9	1093.2	774.8	790.7	861.5	856.1	1011.8	1105.5	1089.6	1103.8	1162.2
47.5°	1257.7	1029.5	751.8	656.3	803.1	801.3	939.3	1038.3	1029.5	1043.7	1105.5
50°	1165.7	958.8	750.0	562.5	737.7	744.7	852.6	972.9	972.9	985.3	1050.7
52.5°	1047.1	872.1	681.0	509.4	661.5	682.8	776.6	916.3	919.8	932.2	990.5
55°	939.3	781.8	631.5	468.7	571.4	617.3	702.2	857.9	864.9	877.4	930.5
57.5°	840.2	651.0	620.9	421.0	488.2	532.4	636.8	801.3	804.9	815.5	866.7
60°	734.1	470.5	569.6	369.7	415.7	449.3	576.6	734.1	746.5	753.5	797.7
62.5°	613.8	341.4	516.5	334.3	380.3	387.4	527.1	670.4	686.3	691.6	718.2
65°	436.9	286.5	438.7	304.2	343.1	344.9	474.1	604.9	619.1	628.0	647.4
67.5°	295.4	233.5	334.3	275.9	314.8	316.6	422.7	528.9	548.3	555.4	567.8
70°	205.2	155.7	247.6	245.9	283.0	286.5	367.9	459.9	477.6	482.9	490.0
72.5°	150.3	125.6	205.2	221.1	249.4	253.0	311.3	382.0	399.8	405.1	408.6
75°	115.0	132.6	166.3	192.8	212.3	214.1	254.8	311.3	323.7	327.2	329.0
77.5°	91.9	123.8	122.0	155.7	173.3	169.8	199.9	240.6	251.2	251.2	251.2
80°	69.0	97.3	91.9	111.4	127.4	123.8	143.3	171.6	175.1	178.6	176.9
82.5°	51.3	61.9	61.9	70.8	84.9	81.4	95.5	111.4	111.4	111.4	115.0
85°	31.9	35.3	28.3	37.1	47.8	46.0	53.1	60.2	61.9	61.9	58.4
87.5°	19.5	15.9	8.8	14.2	21.2	21.2	24.7	26.5	24.7	24.7	24.7
90°	18.0	12.5	7.0	12.5	18.0	19.4	30.4	45.3	52.7	46.8	35.1
92.5°	122.0	74.9	27.8	74.9	122.0	133.8	188.1	260.5	296.7	260.0	186.7
95°	239.0	152.8	66.6	152.8	239.0	260.6	462.8	732.5	867.3	773.9	587.2
97.5°	267.3	191.1	115.1	191.1	267.3	286.3	623.4	1073.0	1297.8	1238.8	1120.8
100°	290.5	221.5	152.5	221.5	290.5	307.8	681.9	1180.8	1430.2	1434.4	1443.1
102.5°	313.2	248.8	184.4	248.8	313.2	329.3	708.7	1214.6	1467.6	1542.7	1693.1
105°	347.5	293.0	238.5	293.0	347.5	361.2	728.6	1218.5	1463.5	1632.0	1969.0
107.5°	395.6	344.7	293.9	344.7	395.6	408.3	732.3	1164.2	1380.3	1615.4	2085.5
110°	423.1	377.2	331.3	377.2	423.1	434.6	726.7	1116.1	1310.9	1573.7	2099.4



TEST NUMBER: P935639

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	455.6	411.9	368.1	411.9	455.6	466.6	726.9	1074.2	1247.8	1516.7	2054.7
115°	504.3	463.9	423.5	463.9	504.3	514.4	733.7	1026.1	1172.3	1431.4	1949.7
117.5°	551.6	515.0	478.4	515.0	551.6	560.8	747.3	995.9	1120.2	1354.1	1821.8
120°	579.2	544.8	510.2	544.8	579.2	587.9	758.4	985.7	1099.4	1313.1	1740.4
122.5°	611.1	576.3	541.5	576.3	611.1	619.7	774.3	980.5	1083.6	1276.0	1660.8
125°	652.7	621.0	589.2	621.0	652.7	660.6	795.9	976.1	1066.2	1229.7	1556.6
127.5°	692.1	660.1	628.0	660.1	692.1	700.2	817.4	973.6	1051.7	1192.0	1472.7
130°	717.8	683.4	648.8	683.4	717.8	726.5	833.0	975.0	1046.1	1171.0	1420.9
132.5°	739.4	704.9	670.4	704.9	739.4	748.0	845.8	976.1	1041.2	1153.1	1376.8
135°	765.1	733.6	702.2	733.6	765.1	772.9	859.6	975.2	1032.9	1126.6	1313.9
137.5°	797.1	766.0	734.8	766.0	797.1	804.9	880.4	981.2	1031.5	1110.7	1269.0
140°	819.2	790.5	761.9	790.5	819.2	826.3	893.1	982.1	1026.7	1095.1	1231.9
142.5°	835.7	809.2	782.6	809.2	835.7	842.3	903.8	985.7	1026.7	1086.8	1206.9
145°	860.8	837.6	814.5	837.6	860.8	866.6	917.6	985.7	1019.7	1068.9	1167.2
147.5°	891.5	869.0	846.5	869.0	891.5	897.1	938.0	992.5	1019.7	1058.4	1135.8
150°	907.9	887.6	867.3	887.6	907.9	913.0	948.6	996.0	1019.7	1052.4	1117.7
152.5°	919.6	904.1	888.7	904.1	919.6	923.4	955.5	998.3	1019.7	1047.6	1103.4
155°	943.4	932.1	920.6	932.1	943.4	946.3	970.7	1003.4	1019.7	1042.0	1086.3
157.5°	966.4	955.3	944.2	955.3	966.4	969.1	986.0	1008.5	1019.7	1037.0	1071.5
160°	977.4	968.8	960.1	968.8	977.4	979.6	993.0	1010.8	1019.7	1034.5	1064.1
162.5°	989.0	982.5	976.1	982.5	989.0	990.6	1000.4	1013.3	1019.7	1032.2	1057.1
165°	1005.2	999.3	993.4	999.3	1005.2	1006.6	1011.0	1016.8	1019.7	1028.7	1046.6
167.5°	1014.9	1012.1	1009.4	1012.1	1014.9	1015.6	1019.3	1024.2	1026.7	1032.6	1044.3
170°	1025.3	1022.5	1019.7	1022.5	1025.3	1026.0	1026.2	1026.5	1026.7	1032.6	1044.3
172.5°	1026.5	1025.9	1025.3	1025.9	1026.5	1026.7	1026.7	1026.7	1026.7	1031.3	1040.5
175°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1030.9	1028.1	1026.7	1029.6	1035.5
177.5°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1031.3	1029.1	1028.0	1030.4	1035.0
180°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9



TEST NUMBER: P935639

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1804.3	1799.0	1806.0	1786.6	1806.0	1799.0	1804.3	1816.7	1806.0	1813.1	1820.1
5°	1583.2	1574.3	1546.0	1523.0	1546.0	1574.3	1583.2	1620.3	1638.0	1669.8	1712.3
7.5°	1415.1	1408.0	1401.0	1386.8	1401.0	1408.0	1415.1	1425.7	1443.4	1471.8	1503.5
10°	1377.9	1379.7	1390.3	1388.6	1390.3	1379.7	1377.9	1374.5	1369.1	1374.5	1393.9
12.5°	1473.4	1489.4	1547.8	1544.2	1547.8	1489.4	1473.4	1402.8	1355.0	1346.2	1349.6
15°	1583.2	1588.4	1600.8	1602.6	1600.8	1588.4	1583.2	1554.9	1411.6	1349.6	1330.2
17.5°	1593.8	1595.6	1604.4	1604.4	1604.4	1595.6	1593.8	1581.4	1533.6	1450.5	1340.8
20°	1584.9	1588.4	1606.2	1609.7	1606.2	1588.4	1584.9	1569.0	1542.4	1512.4	1429.3
22.5°	1581.4	1588.4	1602.6	1600.8	1602.6	1588.4	1581.4	1556.6	1533.6	1512.4	1478.8
25°	1563.7	1563.7	1565.5	1567.3	1565.5	1563.7	1563.7	1544.2	1498.3	1492.9	1473.4
27.5°	1526.6	1530.0	1540.7	1539.0	1540.7	1530.0	1526.6	1519.5	1470.0	1464.6	1450.5
30°	1492.9	1489.4	1480.6	1473.4	1480.6	1489.4	1492.9	1482.3	1432.8	1418.6	1422.2
32.5°	1436.3	1427.5	1418.6	1413.4	1418.6	1427.5	1436.3	1432.8	1395.6	1376.2	1379.7
35°	1369.1	1370.9	1369.1	1363.8	1369.1	1370.9	1369.1	1372.7	1349.6	1332.0	1330.2
37.5°	1321.3	1324.9	1323.1	1316.1	1323.1	1324.9	1321.3	1317.8	1286.0	1280.6	1284.2
40°	1271.8	1273.6	1271.8	1266.5	1271.8	1273.6	1271.8	1264.8	1220.6	1222.3	1234.7
42.5°	1224.0	1222.3	1217.0	1213.4	1217.0	1222.3	1224.0	1213.4	1156.8	1151.6	1174.5
45°	1169.2	1171.0	1160.4	1155.1	1160.4	1171.0	1169.2	1162.2	1103.8	1089.6	1105.5
47.5°	1114.4	1114.4	1105.5	1100.2	1105.5	1114.4	1114.4	1105.5	1043.7	1029.5	1038.3
50°	1056.1	1054.3	1041.9	1040.1	1041.9	1054.3	1056.1	1050.7	985.3	972.9	972.9
52.5°	988.8	988.8	990.5	994.1	990.5	988.8	988.8	990.5	932.2	919.8	916.3
55°	930.5	932.2	944.6	948.1	944.6	932.2	930.5	930.5	877.4	864.9	857.9
57.5°	870.3	870.3	879.1	879.1	879.1	870.3	870.3	866.7	815.5	804.9	801.3
60°	801.3	804.9	811.9	810.1	811.9	804.9	801.3	797.7	753.5	746.5	734.1
62.5°	728.7	732.3	734.1	730.5	734.1	732.3	728.7	718.2	691.6	686.3	670.4
65°	652.7	656.3	658.0	654.5	658.0	656.3	652.7	647.4	628.0	619.1	604.9
67.5°	574.8	573.2	571.4	578.4	571.4	573.2	574.8	567.8	555.4	548.3	528.9
70°	495.3	495.3	493.5	497.0	493.5	495.3	495.3	490.0	482.9	477.6	459.9
72.5°	410.3	408.6	415.7	410.3	415.7	408.6	410.3	408.6	405.1	399.8	382.0
75°	327.2	330.8	327.2	332.6	327.2	330.8	327.2	329.0	327.2	323.7	311.3
77.5°	249.4	253.0	249.4	249.4	249.4	253.0	249.4	251.2	251.2	251.2	240.6
80°	176.9	175.1	175.1	173.3	175.1	175.1	176.9	176.9	178.6	175.1	171.6
82.5°	113.2	111.4	111.4	115.0	111.4	111.4	113.2	115.0	111.4	111.4	111.4
85°	61.9	63.6	60.2	60.2	60.2	63.6	61.9	58.4	61.9	61.9	60.2
87.5°	23.0	21.2	21.2	21.2	21.2	21.2	23.0	24.7	24.7	24.7	26.5
90°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	35.1	46.8	52.7	45.3
92.5°	131.8	126.5	105.5	84.5	105.5	126.5	131.8	186.7	260.0	296.7	260.5
95°	447.1	431.2	367.8	304.3	367.8	431.2	447.1	587.2	773.9	867.3	732.5
97.5°	1032.2	1002.1	881.3	760.5	881.3	1002.1	1032.2	1120.8	1238.8	1297.8	1073.0
100°	1449.5	1413.6	1269.8	1125.9	1269.8	1413.6	1449.5	1443.1	1434.4	1430.2	1180.8
102.5°	1805.9	1775.1	1651.8	1528.6	1651.8	1775.1	1805.9	1693.1	1542.7	1467.6	1214.6
105°	2221.8	2205.2	2139.0	2072.8	2139.0	2205.2	2221.8	1969.0	1632.0	1463.5	1218.5
107.5°	2438.1	2442.1	2458.1	2474.2	2458.1	2442.1	2438.1	2085.5	1615.4	1380.3	1164.2
110°	2493.6	2510.9	2579.9	2648.8	2579.9	2510.9	2493.6	2099.4	1573.7	1310.9	1116.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2458.2	2484.7	2590.7	2696.7	2590.7	2484.7	2458.2	2054.7	1516.7	1247.8	1074.2
115°	2338.3	2375.1	2522.0	2668.9	2522.0	2375.1	2338.3	1949.7	1431.4	1172.3	1026.1
117.5°	2172.6	2213.3	2376.3	2539.3	2376.3	2213.3	2172.6	1821.8	1354.1	1120.2	995.9
120°	2061.0	2100.6	2259.0	2417.3	2259.0	2100.6	2061.0	1740.4	1313.1	1099.4	985.7
122.5°	1949.4	1988.4	2144.6	2300.8	2144.6	1988.4	1949.4	1660.8	1276.0	1083.6	980.5
125°	1801.8	1837.7	1981.6	2125.5	1981.6	1837.7	1801.8	1556.6	1229.7	1066.2	976.1
127.5°	1683.2	1713.6	1835.0	1956.4	1835.0	1713.6	1683.2	1472.7	1192.0	1051.7	973.6
130°	1608.3	1636.4	1748.6	1860.7	1748.6	1636.4	1608.3	1420.9	1171.0	1046.1	975.0
132.5°	1544.5	1569.6	1670.1	1770.5	1670.1	1569.6	1544.5	1376.8	1153.1	1041.2	976.1
135°	1454.4	1476.0	1562.6	1649.2	1562.6	1476.0	1454.4	1313.9	1126.6	1032.9	975.2
137.5°	1387.8	1405.5	1476.4	1547.3	1476.4	1405.5	1387.8	1269.0	1110.7	1031.5	981.2
140°	1334.5	1351.1	1417.3	1483.5	1417.3	1351.1	1334.5	1231.9	1095.1	1026.7	982.1
142.5°	1297.1	1311.3	1368.3	1425.3	1368.3	1311.3	1297.1	1206.9	1086.8	1026.7	985.7
145°	1240.9	1251.7	1294.8	1337.9	1294.8	1251.7	1240.9	1167.2	1068.9	1019.7	985.7
147.5°	1193.8	1202.7	1238.5	1274.2	1238.5	1202.7	1193.8	1135.8	1058.4	1019.7	992.5
150°	1166.7	1174.0	1203.0	1231.9	1203.0	1174.0	1166.7	1117.7	1052.4	1019.7	996.0
152.5°	1145.2	1150.7	1172.5	1194.4	1172.5	1150.7	1145.2	1103.4	1047.6	1019.7	998.3
155°	1119.6	1123.3	1137.7	1152.2	1137.7	1123.3	1119.6	1086.3	1042.0	1019.7	1003.4
157.5°	1097.4	1099.9	1110.1	1120.2	1110.1	1099.9	1097.4	1071.5	1037.0	1019.7	1008.5
160°	1086.3	1087.7	1093.6	1099.4	1093.6	1087.7	1086.3	1064.1	1034.5	1019.7	1010.8
162.5°	1075.9	1077.3	1082.8	1088.4	1082.8	1077.3	1075.9	1057.1	1032.2	1019.7	1013.3
165°	1060.0	1061.4	1067.3	1073.1	1067.3	1061.4	1060.0	1046.6	1028.7	1019.7	1016.8
167.5°	1053.0	1053.6	1056.1	1058.6	1056.1	1053.6	1053.0	1044.3	1032.6	1026.7	1024.2
170°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1044.3	1032.6	1026.7	1026.5
172.5°	1047.5	1047.0	1044.8	1042.7	1044.8	1047.0	1047.5	1040.5	1031.3	1026.7	1026.7
175°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1035.5	1029.6	1026.7	1028.1
177.5°	1038.5	1037.8	1035.4	1032.9	1035.4	1037.8	1038.5	1035.0	1030.4	1028.0	1029.1
180°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1846.7	1855.6	1860.8	1867.9	1885.7
5°	1776.0	1809.6	1820.1	1846.7	1878.5
7.5°	1620.3	1722.8	1751.2	1814.9	1864.4
10°	1470.0	1572.5	1622.1	1772.4	1846.7
12.5°	1393.9	1454.0	1487.6	1698.1	1821.9
15°	1346.2	1388.6	1413.4	1599.0	1793.6
17.5°	1308.9	1339.0	1356.7	1501.7	1754.7
20°	1286.0	1300.1	1316.1	1431.0	1710.5
22.5°	1270.0	1261.2	1273.6	1381.5	1650.4
25°	1259.5	1225.8	1240.0	1342.6	1579.6
27.5°	1268.3	1194.0	1199.3	1307.2	1505.3
30°	1270.0	1155.1	1156.8	1270.0	1422.2
32.5°	1257.7	1114.4	1116.1	1224.0	1328.4
35°	1227.6	1066.6	1064.9	1171.0	1201.1
37.5°	1186.9	1015.4	1015.4	1112.7	1061.3
40°	1137.4	964.0	969.4	1036.6	937.5
42.5°	1077.2	909.2	916.3	935.7	845.5
45°	1011.8	856.1	861.5	790.7	774.8
47.5°	939.3	801.3	803.1	656.3	751.8
50°	852.6	744.7	737.7	562.5	750.0
52.5°	776.6	682.8	661.5	509.4	681.0
55°	702.2	617.3	571.4	468.7	631.5
57.5°	636.8	532.4	488.2	421.0	620.9
60°	576.6	449.3	415.7	369.7	569.6
62.5°	527.1	387.4	380.3	334.3	516.5
65°	474.1	344.9	343.1	304.2	438.7
67.5°	422.7	316.6	314.8	275.9	334.3
70°	367.9	286.5	283.0	245.9	247.6
72.5°	311.3	253.0	249.4	221.1	205.2
75°	254.8	214.1	212.3	192.8	166.3
77.5°	199.9	169.8	173.3	155.7	122.0
80°	143.3	123.8	127.4	111.4	91.9
82.5°	95.5	81.4	84.9	70.8	61.9
85°	53.1	46.0	47.8	37.1	28.3
87.5°	24.7	21.2	21.2	14.2	8.8
90°	30.4	19.4	18.0	12.5	7.0
92.5°	188.1	133.8	122.0	74.9	27.8
95°	462.8	260.6	239.0	152.8	66.6
97.5°	623.4	286.3	267.3	191.1	115.1
100°	681.9	307.8	290.5	221.5	152.5
102.5°	708.7	329.3	313.2	248.8	184.4
105°	728.6	361.2	347.5	293.0	238.5
107.5°	732.3	408.3	395.6	344.7	293.9
110°	726.7	434.6	423.1	377.2	331.3



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CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	726.9	466.6	455.6	411.9	368.1
115°	733.7	514.4	504.3	463.9	423.5
117.5°	747.3	560.8	551.6	515.0	478.4
120°	758.4	587.9	579.2	544.8	510.2
122.5°	774.3	619.7	611.1	576.3	541.5
125°	795.9	660.6	652.7	621.0	589.2
127.5°	817.4	700.2	692.1	660.1	628.0
130°	833.0	726.5	717.8	683.4	648.8
132.5°	845.8	748.0	739.4	704.9	670.4
135°	859.6	772.9	765.1	733.6	702.2
137.5°	880.4	804.9	797.1	766.0	734.8
140°	893.1	826.3	819.2	790.5	761.9
142.5°	903.8	842.3	835.7	809.2	782.6
145°	917.6	866.6	860.8	837.6	814.5
147.5°	938.0	897.1	891.5	869.0	846.5
150°	948.6	913.0	907.9	887.6	867.3
152.5°	955.5	923.4	919.6	904.1	888.7
155°	970.7	946.3	943.4	932.1	920.6
157.5°	986.0	969.1	966.4	955.3	944.2
160°	993.0	979.6	977.4	968.8	960.1
162.5°	1000.4	990.6	989.0	982.5	976.1
165°	1011.0	1006.6	1005.2	999.3	993.4
167.5°	1019.3	1015.6	1014.9	1012.1	1009.4
170°	1026.2	1026.0	1025.3	1022.5	1019.7
172.5°	1026.7	1026.7	1026.5	1025.9	1025.3
175°	1030.9	1032.9	1032.9	1032.9	1032.9
177.5°	1031.3	1032.9	1032.9	1032.9	1032.9
180°	1032.9	1032.9	1032.9	1032.9	1032.9



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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	12.52	13.32	13.54	14.35	15.73	15.35	16.14	16.37	17.17	18.55
	3H	12.99	13.71	14.03	14.74	16.15	16.69	17.40	17.72	18.44	19.84
	4H	13.18	13.86	14.23	14.90	16.31	17.13	17.80	18.17	18.84	20.25
	6H	13.30	13.92	14.35	14.96	16.38	17.41	18.03	18.46	19.07	20.49
	8H	13.30	13.89	14.36	14.95	16.36	17.48	18.07	18.54	19.13	20.55
	12H	13.27	13.83	14.33	14.88	16.32	17.51	18.07	18.58	19.13	20.57
4H	2H	13.55	14.22	14.60	15.26	16.67	15.75	16.42	16.80	17.46	18.87
	3H	14.57	15.13	15.63	16.20	17.62	17.25	17.81	18.31	18.88	20.30
	4H	14.84	15.35	15.91	16.41	17.86	17.77	18.28	18.84	19.35	20.79
	6H	14.96	15.40	16.04	16.49	17.92	18.13	18.57	19.20	19.66	21.09
	8H	14.96	15.38	16.04	16.45	17.91	18.23	18.65	19.31	19.72	21.18
	12H	14.93	15.30	16.02	16.39	17.85	18.29	18.66	19.38	19.75	21.21
8H	4H	15.29	15.70	16.36	16.78	18.23	17.89	18.30	18.96	19.38	20.83
	6H	15.54	15.89	16.64	17.00	18.45	18.32	18.66	19.42	19.78	21.23
	8H	15.59	15.89	16.69	16.99	18.46	18.47	18.77	19.58	19.87	21.34
	12H	15.57	15.83	16.68	16.93	18.44	18.57	18.83	19.67	19.93	21.43
12H	4H	15.29	15.66	16.38	16.75	18.21	17.85	18.22	18.94	19.31	20.77
	6H	15.60	15.90	16.71	17.01	18.48	18.32	18.62	19.42	19.72	21.19
	8H	15.67	15.93	16.78	17.03	18.54	18.47	18.74	19.58	19.83	21.34