

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: P935261

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935261
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

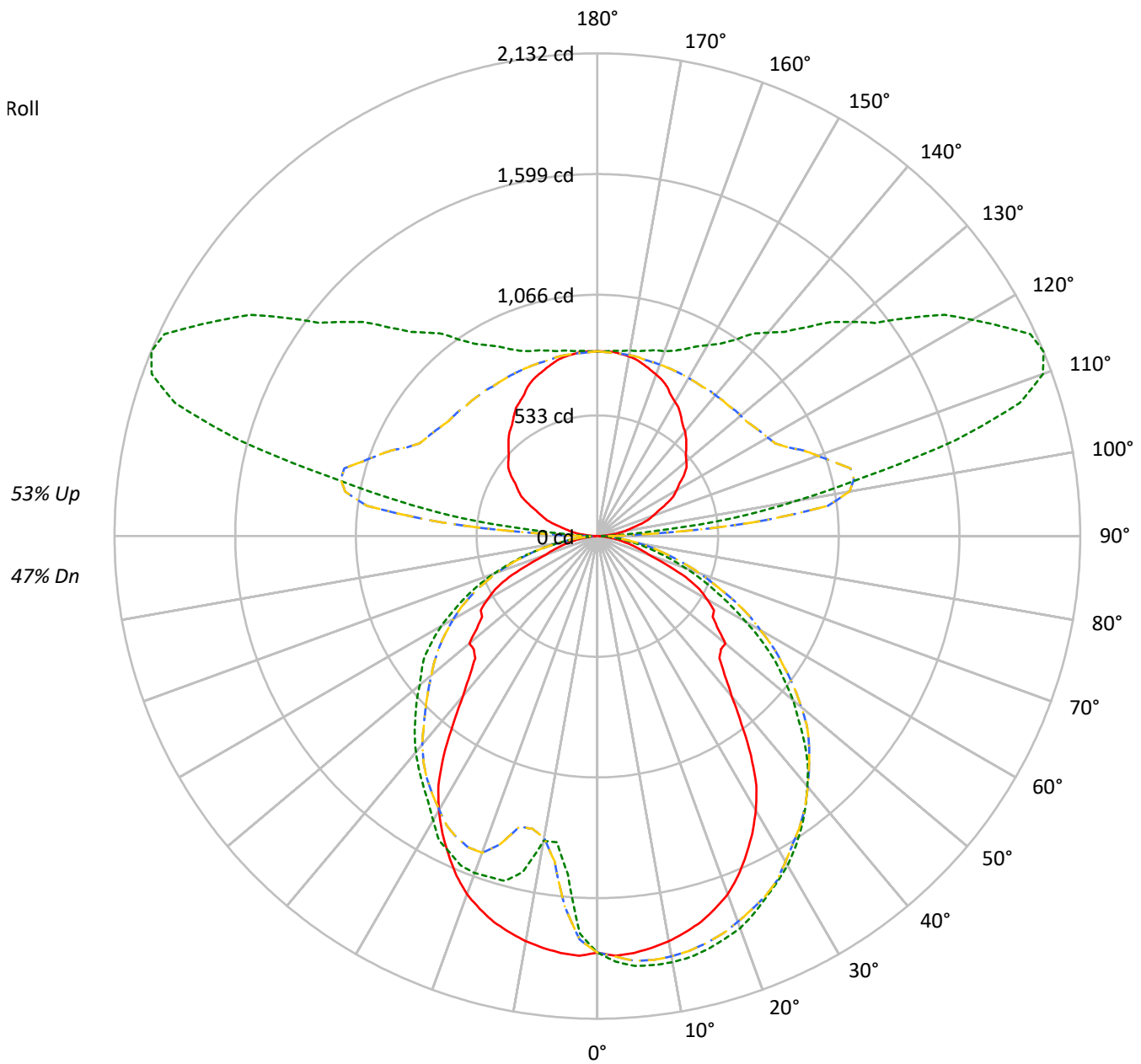
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10066.2 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 87
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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CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

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
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11381	11381	11381	11381
5°	11461	11488	11461	9033
10°	11381	11317	11381	8091
15°	11253	11071	11253	9245
20°	11013	10781	11013	9264
25°	10527	10357	10527	9068
30°	9901	10006	9901	8637
35°	8822	9560	8822	8164
40°	7347	9037	7347	7805
45°	6561	8424	6561	7393
50°	6963	7693	6963	6981
55°	6546	6905	6546	6742
60°	6739	5864	6739	6174
65°	6101	4848	6101	5419
70°	4213	3864	4213	4542
75°	3681	2855	3681	3421
80°	2946	1889	2946	2056
85°	1657	1000	1657	850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10061 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	1.6
10°-20°	471.5	4.7
20°-30°	728.9	7.2
30°-40°	870.1	8.6
40°-50°	875.2	8.7
50°-60°	761.5	7.6
60°-70°	539.9	5.4
70°-80°	285.7	2.8
80°-90°	74.3	0.7
90°-100°	398.0	4.0
100°-110°	1046.4	10.4
110°-120°	1085.0	10.8
120°-130°	870.3	8.6
130°-140°	682.9	6.8
140°-150°	524.1	5.2
150°-160°	377.5	3.7
160°-170°	231.0	2.3
170°-180°	78.0	0.8
0°-30°	1366.4	13.6
0°-40°	2236.5	22.2
0°-60°	3873.3	38.5
0°-90°	4773.2	47.4
90°-120°	2529.3	25.1
90°-150°	4606.6	45.8
90°-180°	5293.0	52.6
0°-180°	10066.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1840	1840	1840	1840	1840	
5°	1848	1906	1848	1499	1848	175
15°	1765	1888	1765	1577	1765	497
25°	1554	1761	1554	1542	1554	714
35°	1182	1572	1182	1342	1182	731
45°	762	1295	762	1136	762	611
55°	621	956	621	933	621	571
65°	432	576	432	644	432	413
75°	164	273	164	327	164	172
85°	28	70	28	59	28	38
90°	5	21	5	21	5	6
95°	53	241	53	241	53	58
105°	188	1638	188	1638	188	200
115°	335	2110	335	2110	335	331
125°	466	1680	466	1680	466	414
135°	555	1304	555	1304	555	429
145°	644	1058	644	1058	644	403
155°	728	911	728	911	728	334
165°	785	848	785	848	785	222
175°	816	822	816	822	816	78
180°	816	816	816	816	816	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1855.4	1855.4	1865.9	1869.3	1869.3	1864.1	1858.8	1864.1	1879.7	1885.0	1883.3
5°	1848.4	1862.3	1881.5	1885.0	1888.4	1886.7	1883.3	1886.7	1904.1	1907.6	1909.3
7.5°	1834.5	1860.6	1885.0	1890.2	1895.4	1890.2	1888.4	1891.9	1909.3	1912.9	1912.9
10°	1817.1	1853.7	1881.5	1885.0	1890.2	1885.0	1885.0	1891.9	1909.3	1912.9	1914.5
12.5°	1792.7	1843.2	1869.3	1872.8	1879.7	1878.0	1876.2	1883.3	1900.6	1904.1	1904.1
15°	1764.9	1824.1	1848.4	1851.9	1864.1	1860.6	1860.6	1867.5	1886.7	1891.9	1890.2
17.5°	1726.6	1799.6	1827.6	1832.8	1841.4	1839.7	1841.4	1848.4	1865.9	1869.3	1871.0
20°	1683.1	1766.6	1799.6	1804.9	1813.6	1813.6	1813.6	1822.3	1839.7	1846.7	1846.7
22.5°	1623.9	1731.8	1766.6	1770.1	1780.6	1780.6	1784.0	1796.2	1811.8	1813.6	1813.6
25°	1554.2	1693.5	1723.1	1733.5	1744.0	1749.2	1754.4	1761.4	1766.6	1764.9	1766.6
27.5°	1481.2	1644.8	1683.1	1690.0	1704.0	1709.2	1716.1	1717.9	1719.6	1724.8	1721.4
30°	1399.4	1576.9	1634.3	1641.3	1663.9	1667.4	1660.4	1663.9	1672.6	1676.1	1679.6
32.5°	1307.1	1476.0	1583.8	1599.6	1620.4	1609.9	1608.3	1613.4	1627.4	1627.4	1630.8
35°	1181.8	1397.6	1536.9	1550.8	1566.4	1554.2	1561.3	1562.9	1571.6	1576.9	1575.1
37.5°	1044.3	1329.7	1488.1	1498.6	1510.8	1495.1	1505.5	1510.8	1517.7	1514.3	1514.3
40°	922.5	1223.6	1430.7	1437.7	1448.1	1435.9	1446.4	1449.8	1453.3	1449.8	1448.1
42.5°	831.9	1106.9	1369.8	1378.5	1371.6	1380.3	1383.7	1390.7	1385.4	1378.5	1378.5
45°	762.4	1075.7	1303.7	1314.1	1303.7	1317.5	1322.8	1322.8	1307.1	1303.7	1301.9
47.5°	739.7	1012.9	1237.5	1237.5	1232.3	1249.6	1258.3	1246.2	1230.5	1225.3	1225.3
50°	737.9	943.4	1147.0	1140.0	1164.4	1185.3	1176.6	1164.4	1152.2	1133.1	1133.1
52.5°	670.1	858.1	1030.3	1056.5	1094.8	1106.9	1093.0	1080.8	1059.9	1051.2	1044.3
55°	621.4	769.3	924.2	976.4	1016.5	1032.1	1006.0	993.8	962.5	957.3	953.8
57.5°	610.9	640.5	826.7	892.9	941.6	939.9	924.2	901.6	875.5	870.2	868.6
60°	560.4	463.0	722.3	800.7	851.1	845.9	831.9	811.1	786.7	783.3	779.8
62.5°	508.2	336.0	603.9	692.7	764.1	762.4	750.2	718.8	701.4	692.7	685.8
65°	431.7	281.9	429.9	576.1	678.8	682.3	656.2	633.5	614.4	603.9	602.3
67.5°	328.9	229.8	290.6	480.3	597.0	593.6	560.4	550.0	525.7	520.4	509.9
70°	243.6	153.2	201.9	389.9	517.0	508.2	482.1	470.0	447.3	435.1	428.2
72.5°	201.9	123.6	147.9	302.8	435.1	424.7	402.1	388.1	369.0	358.5	351.6
75°	163.6	130.5	113.1	224.5	353.3	346.4	325.5	311.5	295.9	281.9	283.7
77.5°	120.1	121.8	90.5	165.4	280.2	269.8	257.6	240.2	233.2	219.3	219.3
80°	90.5	95.7	67.9	113.1	201.9	201.9	191.5	179.3	167.1	160.1	160.1
82.5°	61.0	61.0	50.5	71.3	137.5	132.3	125.3	121.8	114.9	111.4	111.4
85°	27.8	34.8	31.4	43.5	74.8	78.3	78.3	74.8	73.1	69.6	71.3
87.5°	8.7	15.6	19.1	24.3	38.3	40.1	41.8	41.8	41.8	43.5	43.5
90°	5.4	9.8	14.2	15.4	24.2	35.8	41.6	37.0	27.8	20.8	20.8
92.5°	22.0	59.2	96.4	105.7	148.7	205.9	234.5	205.5	147.6	104.1	100.0
95°	52.6	120.8	189.0	206.0	365.9	579.0	685.5	611.7	464.1	353.4	340.9
97.5°	91.0	151.2	211.3	226.3	492.8	848.2	1025.9	979.2	885.9	815.9	792.1
100°	120.6	175.1	229.7	243.3	539.0	933.3	1130.5	1133.9	1140.7	1145.8	1117.4
102.5°	145.8	196.7	247.6	260.3	560.3	960.2	1160.1	1219.5	1338.4	1427.5	1403.2
105°	188.5	231.6	274.7	285.5	576.0	963.2	1156.8	1290.0	1556.4	1756.3	1743.2
107.5°	232.3	272.5	312.8	322.8	578.9	920.3	1091.0	1276.9	1648.5	1927.3	1930.4
110°	261.9	298.2	334.5	343.6	574.5	882.3	1036.2	1243.9	1659.5	1971.1	1984.7



TEST NUMBER: P935261

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	291.0	325.6	360.2	368.8	574.7	849.1	986.3	1199.0	1624.2	1943.2	1964.1
115°	334.8	366.7	398.6	406.6	579.9	811.0	926.6	1131.4	1541.2	1848.4	1877.5
117.5°	378.1	407.1	436.1	443.3	590.7	787.2	885.5	1070.4	1440.1	1717.3	1749.6
120°	403.3	430.6	457.9	464.7	599.5	779.2	869.1	1038.0	1375.8	1629.2	1660.4
122.5°	428.0	455.5	483.1	489.9	612.1	775.0	856.5	1008.6	1312.8	1540.9	1571.8
125°	465.8	490.9	516.0	522.2	629.1	771.6	842.8	972.0	1230.4	1424.3	1452.7
127.5°	496.5	521.8	547.2	553.5	646.1	769.6	831.3	942.2	1164.1	1330.5	1354.5
130°	512.9	540.2	567.5	574.3	658.6	770.8	826.9	925.6	1123.2	1271.3	1293.5
132.5°	529.9	557.2	584.4	591.3	668.6	771.6	823.1	911.5	1088.3	1220.9	1240.8
135°	555.1	579.9	604.8	611.0	679.5	770.8	816.5	890.5	1038.6	1149.7	1166.8
137.5°	580.8	605.4	630.1	636.2	696.0	775.6	815.4	878.0	1003.2	1097.1	1111.1
140°	602.3	624.9	647.6	653.2	706.0	776.3	811.6	865.7	973.8	1054.8	1067.9
142.5°	618.7	639.7	660.6	665.8	714.4	779.1	811.6	859.1	954.0	1025.2	1036.5
145°	643.9	662.2	680.4	685.0	725.4	779.2	806.1	844.9	922.7	980.9	989.4
147.5°	669.1	686.8	704.6	709.1	741.4	784.5	806.1	836.7	897.8	943.6	950.7
150°	685.5	701.6	717.7	721.7	749.8	787.3	806.1	831.9	883.5	922.2	927.9
152.5°	702.6	714.8	726.9	730.0	755.3	789.2	806.1	828.2	872.2	905.3	909.6
155°	727.8	736.7	745.7	748.0	767.4	793.2	806.1	823.7	858.7	885.0	887.9
157.5°	746.4	755.2	763.9	766.1	779.4	797.2	806.1	819.7	847.0	867.5	869.5
160°	758.9	765.8	772.6	774.3	784.9	799.1	806.1	817.8	841.1	858.7	859.9
162.5°	771.6	776.7	781.8	783.1	790.7	801.0	806.1	815.9	835.7	850.5	851.5
165°	785.3	789.9	794.5	795.7	799.2	803.8	806.1	813.1	827.3	837.9	839.0
167.5°	797.8	800.0	802.2	802.8	805.7	809.6	811.6	816.2	825.4	832.4	832.9
170°	806.1	808.3	810.5	811.0	811.2	811.5	811.6	816.2	825.4	832.4	832.4
172.5°	810.5	810.9	811.5	811.6	811.6	811.6	811.6	815.2	822.5	828.0	827.5
175°	816.5	816.5	816.5	816.5	814.8	812.6	811.6	813.8	818.5	822.0	822.0
177.5°	816.5	816.5	816.5	816.5	815.2	813.6	812.7	814.5	818.1	820.9	820.3
180°	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1886.7	1881.5	1886.7	1883.3	1885.0	1879.7	1864.1	1858.8	1864.1	1869.3	1869.3
5°	1909.3	1905.8	1909.3	1909.3	1907.6	1904.1	1886.7	1883.3	1886.7	1888.4	1885.0
7.5°	1916.3	1911.1	1916.3	1912.9	1912.9	1909.3	1891.9	1888.4	1890.2	1895.4	1890.2
10°	1916.3	1911.1	1916.3	1914.5	1912.9	1909.3	1891.9	1885.0	1885.0	1890.2	1885.0
12.5°	1907.6	1904.1	1907.6	1904.1	1904.1	1900.6	1883.3	1876.2	1878.0	1879.7	1872.8
15°	1893.7	1888.4	1893.7	1890.2	1891.9	1886.7	1867.5	1860.6	1860.6	1864.1	1851.9
17.5°	1872.8	1865.9	1872.8	1871.0	1869.3	1865.9	1848.4	1841.4	1839.7	1841.4	1832.8
20°	1848.4	1843.2	1848.4	1846.7	1846.7	1839.7	1822.3	1813.6	1813.6	1813.6	1804.9
22.5°	1810.1	1804.9	1810.1	1813.6	1813.6	1811.8	1796.2	1784.0	1780.6	1780.6	1770.1
25°	1766.6	1761.4	1766.6	1766.6	1764.9	1766.6	1761.4	1754.4	1749.2	1744.0	1733.5
27.5°	1724.8	1721.4	1724.8	1721.4	1724.8	1719.6	1717.9	1716.1	1709.2	1704.0	1690.0
30°	1683.1	1679.6	1683.1	1679.6	1676.1	1672.6	1663.9	1660.4	1667.4	1663.9	1641.3
32.5°	1630.8	1627.4	1630.8	1630.8	1627.4	1627.4	1613.4	1608.3	1609.9	1620.4	1599.6
35°	1576.9	1571.6	1576.9	1575.1	1576.9	1571.6	1562.9	1561.3	1554.2	1566.4	1550.8
37.5°	1514.3	1509.0	1514.3	1514.3	1514.3	1517.7	1510.8	1505.5	1495.1	1510.8	1498.6
40°	1449.8	1442.9	1449.8	1448.1	1449.8	1453.3	1449.8	1446.4	1435.9	1448.1	1437.7
42.5°	1376.7	1375.0	1376.7	1378.5	1378.5	1385.4	1390.7	1383.7	1380.3	1371.6	1378.5
45°	1298.4	1295.0	1298.4	1301.9	1303.7	1307.1	1322.8	1322.8	1317.5	1303.7	1314.1
47.5°	1214.9	1206.2	1214.9	1225.3	1225.3	1230.5	1246.2	1258.3	1249.6	1232.3	1237.5
50°	1126.1	1127.8	1126.1	1133.1	1133.1	1152.2	1164.4	1176.6	1185.3	1164.4	1140.0
52.5°	1039.1	1037.4	1039.1	1044.3	1051.2	1059.9	1080.8	1093.0	1106.9	1094.8	1056.5
55°	952.1	955.5	952.1	953.8	957.3	962.5	993.8	1006.0	1032.1	1016.5	976.4
57.5°	865.0	859.8	865.0	868.6	870.2	875.5	901.6	924.2	939.9	941.6	892.9
60°	764.1	757.1	764.1	779.8	783.3	786.7	811.1	831.9	845.9	851.1	800.7
62.5°	675.3	663.1	675.3	685.8	692.7	701.4	718.8	750.2	762.4	764.1	692.7
65°	581.3	576.1	581.3	602.3	603.9	614.4	633.5	656.2	682.3	678.8	576.1
67.5°	496.1	496.1	496.1	509.9	520.4	525.7	550.0	560.4	593.6	597.0	480.3
70°	417.7	416.0	417.7	428.2	435.1	447.3	470.0	482.1	508.2	517.0	389.9
72.5°	342.9	341.1	342.9	351.6	358.5	369.0	388.1	402.1	424.7	435.1	302.8
75°	276.8	273.2	276.8	283.7	281.9	295.9	311.5	325.5	346.4	353.3	224.5
77.5°	212.4	212.4	212.4	219.3	219.3	233.2	240.2	257.6	269.8	280.2	165.4
80°	158.4	156.7	158.4	160.1	160.1	167.1	179.3	191.5	201.9	201.9	113.1
82.5°	111.4	107.9	111.4	111.4	111.4	114.9	121.8	125.3	132.3	137.5	71.3
85°	69.6	69.6	69.6	71.3	69.6	73.1	74.8	78.3	78.3	74.8	43.5
87.5°	45.2	43.5	45.2	43.5	43.5	41.8	41.8	41.8	40.1	38.3	24.3
90°	20.8	20.8	20.8	20.8	20.8	27.8	37.0	41.6	35.8	24.2	15.4
92.5°	83.4	66.8	83.4	100.0	104.1	147.6	205.5	234.5	205.9	148.7	105.7
95°	290.7	240.6	290.7	340.9	353.4	464.1	611.7	685.5	579.0	365.9	206.0
97.5°	696.6	601.1	696.6	792.1	815.9	885.9	979.2	1025.9	848.2	492.8	226.3
100°	1003.6	889.9	1003.6	1117.4	1145.8	1140.7	1133.9	1130.5	933.3	539.0	243.3
102.5°	1305.7	1208.3	1305.7	1403.2	1427.5	1338.4	1219.5	1160.1	960.2	560.3	260.3
105°	1690.8	1638.5	1690.8	1743.2	1756.3	1556.4	1290.0	1156.8	963.2	576.0	285.5
107.5°	1943.2	1955.8	1943.2	1930.4	1927.3	1648.5	1276.9	1091.0	920.3	578.9	322.8
110°	2039.3	2093.9	2039.3	1984.7	1971.1	1659.5	1243.9	1036.2	882.3	574.5	343.6



TEST NUMBER: P935261

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2047.8	2131.6	2047.8	1964.1	1943.2	1624.2	1199.0	986.3	849.1	574.7	368.8
115°	1993.6	2109.8	1993.6	1877.5	1848.4	1541.2	1131.4	926.6	811.0	579.9	406.6
117.5°	1878.4	2007.3	1878.4	1749.6	1717.3	1440.1	1070.4	885.5	787.2	590.7	443.3
120°	1785.7	1910.8	1785.7	1660.4	1629.2	1375.8	1038.0	869.1	779.2	599.5	464.7
122.5°	1695.3	1818.8	1695.3	1571.8	1540.9	1312.8	1008.6	856.5	775.0	612.1	489.9
125°	1566.4	1680.1	1566.4	1452.7	1424.3	1230.4	972.0	842.8	771.6	629.1	522.2
127.5°	1450.5	1546.4	1450.5	1354.5	1330.5	1164.1	942.2	831.3	769.6	646.1	553.5
130°	1382.2	1470.8	1382.2	1293.5	1271.3	1123.2	925.6	826.9	770.8	658.6	574.3
132.5°	1320.2	1399.6	1320.2	1240.8	1220.9	1088.3	911.5	823.1	771.6	668.6	591.3
135°	1235.2	1303.7	1235.2	1166.8	1149.7	1038.6	890.5	816.5	770.8	679.5	611.0
137.5°	1167.1	1223.1	1167.1	1111.1	1097.1	1003.2	878.0	815.4	775.6	696.0	636.2
140°	1120.4	1172.7	1120.4	1067.9	1054.8	973.8	865.7	811.6	776.3	706.0	653.2
142.5°	1081.6	1126.7	1081.6	1036.5	1025.2	954.0	859.1	811.6	779.1	714.4	665.8
145°	1023.6	1057.7	1023.6	989.4	980.9	922.7	844.9	806.1	779.2	725.4	685.0
147.5°	979.0	1007.2	979.0	950.7	943.6	897.8	836.7	806.1	784.5	741.4	709.1
150°	950.8	973.8	950.8	927.9	922.2	883.5	831.9	806.1	787.3	749.8	721.7
152.5°	926.9	944.2	926.9	909.6	905.3	872.2	828.2	806.1	789.2	755.3	730.0
155°	899.3	910.7	899.3	887.9	885.0	858.7	823.7	806.1	793.2	767.4	748.0
157.5°	877.5	885.5	877.5	869.5	867.5	847.0	819.7	806.1	797.2	779.4	766.1
160°	864.5	869.1	864.5	859.9	858.7	841.1	817.8	806.1	799.1	784.9	774.3
162.5°	855.9	860.3	855.9	851.5	850.5	835.7	815.9	806.1	801.0	790.7	783.1
165°	843.7	848.3	843.7	839.0	837.9	827.3	813.1	806.1	803.8	799.2	795.7
167.5°	834.8	836.8	834.8	832.9	832.4	825.4	816.2	811.6	809.6	805.7	802.8
170°	832.4	832.4	832.4	832.4	832.4	825.4	816.2	811.6	811.5	811.2	811.0
172.5°	825.9	824.2	825.9	827.5	828.0	822.5	815.2	811.6	811.6	811.6	811.6
175°	822.0	822.0	822.0	822.0	822.0	818.5	813.8	811.6	812.6	814.8	816.5
177.5°	818.4	816.5	818.4	820.3	820.9	818.1	814.5	812.7	813.6	815.2	816.5
180°	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5



TEST NUMBER: P935261

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1865.9	1855.4	1855.4	1837.9	1831.0	1825.8	1817.1	1790.9	1784.0	1777.1	1787.5
5°	1881.5	1862.3	1848.4	1817.1	1790.9	1780.6	1747.5	1684.8	1643.0	1611.7	1594.3
7.5°	1885.0	1860.6	1834.5	1785.8	1723.1	1695.2	1594.3	1479.4	1448.1	1420.2	1402.8
10°	1881.5	1853.7	1817.1	1744.0	1596.0	1547.3	1446.4	1371.6	1352.4	1347.1	1352.4
12.5°	1869.3	1843.2	1792.7	1670.9	1463.8	1430.7	1371.6	1328.0	1324.6	1333.3	1380.3
15°	1848.4	1824.1	1764.9	1573.4	1390.7	1366.3	1324.6	1308.8	1328.0	1388.9	1529.9
17.5°	1827.6	1799.6	1726.6	1477.7	1334.9	1317.5	1287.9	1319.3	1427.2	1509.0	1556.0
20°	1799.6	1766.6	1683.1	1408.1	1295.0	1279.2	1265.4	1406.3	1488.1	1517.7	1543.8
22.5°	1766.6	1731.8	1623.9	1359.3	1253.2	1241.0	1249.6	1455.1	1488.1	1509.0	1531.7
25°	1723.1	1693.5	1554.2	1321.1	1220.1	1206.2	1239.3	1449.8	1469.0	1474.2	1519.5
27.5°	1683.1	1644.8	1481.2	1286.3	1180.1	1174.8	1248.0	1427.2	1441.1	1446.4	1495.1
30°	1634.3	1576.9	1399.4	1249.6	1138.3	1136.5	1249.6	1399.4	1395.9	1409.8	1458.5
32.5°	1583.8	1476.0	1307.1	1204.4	1098.2	1096.6	1237.5	1357.6	1354.1	1373.2	1409.8
35°	1536.9	1397.6	1181.8	1152.2	1047.8	1049.5	1207.9	1308.8	1310.6	1328.0	1350.7
37.5°	1488.1	1329.7	1044.3	1094.8	999.1	999.1	1167.9	1263.6	1260.1	1265.4	1296.6
40°	1430.7	1223.6	922.5	1020.0	953.8	948.6	1119.1	1214.9	1202.7	1201.0	1244.5
42.5°	1369.8	1106.9	831.9	920.7	901.6	894.6	1059.9	1155.7	1133.1	1138.3	1194.0
45°	1303.7	1075.7	762.4	778.0	847.6	842.4	995.6	1087.8	1072.1	1086.1	1143.5
47.5°	1237.5	1012.9	739.7	645.7	790.2	788.5	924.2	1021.6	1012.9	1026.9	1087.8
50°	1147.0	943.4	737.9	553.5	725.8	732.8	839.0	957.3	957.3	969.5	1033.8
52.5°	1030.3	858.1	670.1	501.2	650.9	671.8	764.1	901.6	905.1	917.2	974.7
55°	924.2	769.3	621.4	461.2	562.2	607.4	691.0	844.1	851.1	863.3	915.5
57.5°	826.7	640.5	610.9	414.2	480.3	523.9	626.6	788.5	792.0	802.4	852.8
60°	722.3	463.0	560.4	363.8	409.0	442.0	567.4	722.3	734.5	741.5	784.9
62.5°	603.9	336.0	508.2	328.9	374.2	381.2	518.6	659.7	675.3	680.5	706.7
65°	429.9	281.9	431.7	299.3	337.6	339.4	466.5	595.2	609.2	617.9	637.0
67.5°	290.6	229.8	328.9	271.5	309.8	311.5	416.0	520.4	539.5	546.5	558.7
70°	201.9	153.2	243.6	242.0	278.5	281.9	362.0	452.5	470.0	475.2	482.1
72.5°	147.9	123.6	201.9	217.6	245.4	248.9	306.4	375.9	393.4	398.6	402.1
75°	113.1	130.5	163.6	189.7	208.9	210.6	250.7	306.4	318.5	322.0	323.7
77.5°	90.5	121.8	120.1	153.2	170.6	167.1	196.7	236.7	247.2	247.2	247.2
80°	67.9	95.7	90.5	109.6	125.3	121.8	141.0	168.8	172.3	175.7	174.1
82.5°	50.5	61.0	61.0	69.6	83.5	80.1	94.0	109.6	109.6	109.6	113.1
85°	31.4	34.8	27.8	36.5	47.0	45.2	52.3	59.2	61.0	61.0	57.4
87.5°	19.1	15.6	8.7	14.0	20.9	20.9	24.3	26.1	24.3	24.3	24.3
90°	14.2	9.8	5.4	9.8	14.2	15.4	24.2	35.8	41.6	37.0	27.8
92.5°	96.4	59.2	22.0	59.2	96.4	105.7	148.7	205.9	234.5	205.5	147.6
95°	189.0	120.8	52.6	120.8	189.0	206.0	365.9	579.0	685.5	611.7	464.1
97.5°	211.3	151.2	91.0	151.2	211.3	226.3	492.8	848.2	1025.9	979.2	885.9
100°	229.7	175.1	120.6	175.1	229.7	243.3	539.0	933.3	1130.5	1133.9	1140.7
102.5°	247.6	196.7	145.8	196.7	247.6	260.3	560.3	960.2	1160.1	1219.5	1338.4
105°	274.7	231.6	188.5	231.6	274.7	285.5	576.0	963.2	1156.8	1290.0	1556.4
107.5°	312.8	272.5	232.3	272.5	312.8	322.8	578.9	920.3	1091.0	1276.9	1648.5
110°	334.5	298.2	261.9	298.2	334.5	343.6	574.5	882.3	1036.2	1243.9	1659.5



TEST NUMBER: P935261

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	360.2	325.6	291.0	325.6	360.2	368.8	574.7	849.1	986.3	1199.0	1624.2
115°	398.6	366.7	334.8	366.7	398.6	406.6	579.9	811.0	926.6	1131.4	1541.2
117.5°	436.1	407.1	378.1	407.1	436.1	443.3	590.7	787.2	885.5	1070.4	1440.1
120°	457.9	430.6	403.3	430.6	457.9	464.7	599.5	779.2	869.1	1038.0	1375.8
122.5°	483.1	455.5	428.0	455.5	483.1	489.9	612.1	775.0	856.5	1008.6	1312.8
125°	516.0	490.9	465.8	490.9	516.0	522.2	629.1	771.6	842.8	972.0	1230.4
127.5°	547.2	521.8	496.5	521.8	547.2	553.5	646.1	769.6	831.3	942.2	1164.1
130°	567.5	540.2	512.9	540.2	567.5	574.3	658.6	770.8	826.9	925.6	1123.2
132.5°	584.4	557.2	529.9	557.2	584.4	591.3	668.6	771.6	823.1	911.5	1088.3
135°	604.8	579.9	555.1	579.9	604.8	611.0	679.5	770.8	816.5	890.5	1038.6
137.5°	630.1	605.4	580.8	605.4	630.1	636.2	696.0	775.6	815.4	878.0	1003.2
140°	647.6	624.9	602.3	624.9	647.6	653.2	706.0	776.3	811.6	865.7	973.8
142.5°	660.6	639.7	618.7	639.7	660.6	665.8	714.4	779.1	811.6	859.1	954.0
145°	680.4	662.2	643.9	662.2	680.4	685.0	725.4	779.2	806.1	844.9	922.7
147.5°	704.6	686.8	669.1	686.8	704.6	709.1	741.4	784.5	806.1	836.7	897.8
150°	717.7	701.6	685.5	701.6	717.7	721.7	749.8	787.3	806.1	831.9	883.5
152.5°	726.9	714.8	702.6	714.8	726.9	730.0	755.3	789.2	806.1	828.2	872.2
155°	745.7	736.7	727.8	736.7	745.7	748.0	767.4	793.2	806.1	823.7	858.7
157.5°	763.9	755.2	746.4	755.2	763.9	766.1	779.4	797.2	806.1	819.7	847.0
160°	772.6	765.8	758.9	765.8	772.6	774.3	784.9	799.1	806.1	817.8	841.1
162.5°	781.8	776.7	771.6	776.7	781.8	783.1	790.7	801.0	806.1	815.9	835.7
165°	794.5	789.9	785.3	789.9	794.5	795.7	799.2	803.8	806.1	813.1	827.3
167.5°	802.2	800.0	797.8	800.0	802.2	802.8	805.7	809.6	811.6	816.2	825.4
170°	810.5	808.3	806.1	808.3	810.5	811.0	811.2	811.5	811.6	816.2	825.4
172.5°	811.5	810.9	810.5	810.9	811.5	811.6	811.6	811.6	811.6	815.2	822.5
175°	816.5	816.5	816.5	816.5	816.5	816.5	814.8	812.6	811.6	813.8	818.5
177.5°	816.5	816.5	816.5	816.5	816.5	816.5	815.2	813.6	812.7	814.5	818.1
180°	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5



TEST NUMBER: P935261

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1775.3	1770.1	1777.1	1757.9	1777.1	1770.1	1775.3	1787.5	1777.1	1784.0	1790.9
5°	1557.8	1549.1	1521.2	1498.6	1521.2	1549.1	1557.8	1594.3	1611.7	1643.0	1684.8
7.5°	1392.4	1385.4	1378.5	1364.5	1378.5	1385.4	1392.4	1402.8	1420.2	1448.1	1479.4
10°	1355.8	1357.6	1368.0	1366.3	1368.0	1357.6	1355.8	1352.4	1347.1	1352.4	1371.6
12.5°	1449.8	1465.5	1523.0	1519.5	1523.0	1465.5	1449.8	1380.3	1333.3	1324.6	1328.0
15°	1557.8	1562.9	1575.1	1576.9	1575.1	1562.9	1557.8	1529.9	1388.9	1328.0	1308.8
17.5°	1568.2	1570.0	1578.7	1578.7	1578.7	1570.0	1568.2	1556.0	1509.0	1427.2	1319.3
20°	1559.5	1562.9	1580.4	1583.8	1580.4	1562.9	1559.5	1543.8	1517.7	1488.1	1406.3
22.5°	1556.0	1562.9	1576.9	1575.1	1576.9	1562.9	1556.0	1531.7	1509.0	1488.1	1455.1
25°	1538.6	1538.6	1540.4	1542.1	1540.4	1538.6	1538.6	1519.5	1474.2	1469.0	1449.8
27.5°	1502.1	1505.5	1515.9	1514.3	1515.9	1505.5	1502.1	1495.1	1446.4	1441.1	1427.2
30°	1469.0	1465.5	1456.8	1449.8	1456.8	1465.5	1469.0	1458.5	1409.8	1395.9	1399.4
32.5°	1413.3	1404.6	1395.9	1390.7	1395.9	1404.6	1413.3	1409.8	1373.2	1354.1	1357.6
35°	1347.1	1348.9	1347.1	1342.0	1347.1	1348.9	1347.1	1350.7	1328.0	1310.6	1308.8
37.5°	1300.1	1303.7	1301.9	1295.0	1301.9	1303.7	1300.1	1296.6	1265.4	1260.1	1263.6
40°	1251.4	1253.2	1251.4	1246.2	1251.4	1253.2	1251.4	1244.5	1201.0	1202.7	1214.9
42.5°	1204.4	1202.7	1197.5	1194.0	1197.5	1202.7	1204.4	1194.0	1138.3	1133.1	1155.7
45°	1150.5	1152.2	1141.8	1136.5	1141.8	1152.2	1150.5	1143.5	1086.1	1072.1	1087.8
47.5°	1096.6	1096.6	1087.8	1082.6	1087.8	1096.6	1096.6	1087.8	1026.9	1012.9	1021.6
50°	1039.1	1037.4	1025.2	1023.4	1025.2	1037.4	1039.1	1033.8	969.5	957.3	957.3
52.5°	973.0	973.0	974.7	978.2	974.7	973.0	973.0	974.7	917.2	905.1	901.6
55°	915.5	917.2	929.4	932.9	929.4	917.2	915.5	915.5	863.3	851.1	844.1
57.5°	856.3	856.3	865.0	865.0	865.0	856.3	856.3	852.8	802.4	792.0	788.5
60°	788.5	792.0	798.9	797.1	798.9	792.0	788.5	784.9	741.5	734.5	722.3
62.5°	717.0	720.6	722.3	718.8	722.3	720.6	717.0	706.7	680.5	675.3	659.7
65°	642.2	645.7	647.5	644.0	647.5	645.7	642.2	637.0	617.9	609.2	595.2
67.5°	565.6	564.0	562.2	569.1	562.2	564.0	565.6	558.7	546.5	539.5	520.4
70°	487.4	487.4	485.6	489.0	485.6	487.4	487.4	482.1	475.2	470.0	452.5
72.5°	403.8	402.1	409.0	403.8	409.0	402.1	403.8	402.1	398.6	393.4	375.9
75°	322.0	325.5	322.0	327.3	322.0	325.5	322.0	323.7	322.0	318.5	306.4
77.5°	245.4	248.9	245.4	245.4	245.4	248.9	245.4	247.2	247.2	247.2	236.7
80°	174.1	172.3	172.3	170.6	172.3	172.3	174.1	174.1	175.7	172.3	168.8
82.5°	111.4	109.6	109.6	113.1	109.6	109.6	111.4	113.1	109.6	109.6	109.6
85°	61.0	62.6	59.2	59.2	59.2	62.6	61.0	57.4	61.0	61.0	59.2
87.5°	22.7	20.9	20.9	20.9	20.9	20.9	22.7	24.3	24.3	24.3	26.1
90°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	27.8	37.0	41.6	35.8
92.5°	104.1	100.0	83.4	66.8	83.4	100.0	104.1	147.6	205.5	234.5	205.9
95°	353.4	340.9	290.7	240.6	290.7	340.9	353.4	464.1	611.7	685.5	579.0
97.5°	815.9	792.1	696.6	601.1	696.6	792.1	815.9	885.9	979.2	1025.9	848.2
100°	1145.8	1117.4	1003.6	889.9	1003.6	1117.4	1145.8	1140.7	1133.9	1130.5	933.3
102.5°	1427.5	1403.2	1305.7	1208.3	1305.7	1403.2	1427.5	1338.4	1219.5	1160.1	960.2
105°	1756.3	1743.2	1690.8	1638.5	1690.8	1743.2	1756.3	1556.4	1290.0	1156.8	963.2
107.5°	1927.3	1930.4	1943.2	1955.8	1943.2	1930.4	1927.3	1648.5	1276.9	1091.0	920.3
110°	1971.1	1984.7	2039.3	2093.9	2039.3	1984.7	1971.1	1659.5	1243.9	1036.2	882.3



TEST NUMBER: P935261

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1943.2	1964.1	2047.8	2131.6	2047.8	1964.1	1943.2	1624.2	1199.0	986.3	849.1
115°	1848.4	1877.5	1993.6	2109.8	1993.6	1877.5	1848.4	1541.2	1131.4	926.6	811.0
117.5°	1717.3	1749.6	1878.4	2007.3	1878.4	1749.6	1717.3	1440.1	1070.4	885.5	787.2
120°	1629.2	1660.4	1785.7	1910.8	1785.7	1660.4	1629.2	1375.8	1038.0	869.1	779.2
122.5°	1540.9	1571.8	1695.3	1818.8	1695.3	1571.8	1540.9	1312.8	1008.6	856.5	775.0
125°	1424.3	1452.7	1566.4	1680.1	1566.4	1452.7	1424.3	1230.4	972.0	842.8	771.6
127.5°	1330.5	1354.5	1450.5	1546.4	1450.5	1354.5	1330.5	1164.1	942.2	831.3	769.6
130°	1271.3	1293.5	1382.2	1470.8	1382.2	1293.5	1271.3	1123.2	925.6	826.9	770.8
132.5°	1220.9	1240.8	1320.2	1399.6	1320.2	1240.8	1220.9	1088.3	911.5	823.1	771.6
135°	1149.7	1166.8	1235.2	1303.7	1235.2	1166.8	1149.7	1038.6	890.5	816.5	770.8
137.5°	1097.1	1111.1	1167.1	1223.1	1167.1	1111.1	1097.1	1003.2	878.0	815.4	775.6
140°	1054.8	1067.9	1120.4	1172.7	1120.4	1067.9	1054.8	973.8	865.7	811.6	776.3
142.5°	1025.2	1036.5	1081.6	1126.7	1081.6	1036.5	1025.2	954.0	859.1	811.6	779.1
145°	980.9	989.4	1023.6	1057.7	1023.6	989.4	980.9	922.7	844.9	806.1	779.2
147.5°	943.6	950.7	979.0	1007.2	979.0	950.7	943.6	897.8	836.7	806.1	784.5
150°	922.2	927.9	950.8	973.8	950.8	927.9	922.2	883.5	831.9	806.1	787.3
152.5°	905.3	909.6	926.9	944.2	926.9	909.6	905.3	872.2	828.2	806.1	789.2
155°	885.0	887.9	899.3	910.7	899.3	887.9	885.0	858.7	823.7	806.1	793.2
157.5°	867.5	869.5	877.5	885.5	877.5	869.5	867.5	847.0	819.7	806.1	797.2
160°	858.7	859.9	864.5	869.1	864.5	859.9	858.7	841.1	817.8	806.1	799.1
162.5°	850.5	851.5	855.9	860.3	855.9	851.5	850.5	835.7	815.9	806.1	801.0
165°	837.9	839.0	843.7	848.3	843.7	839.0	837.9	827.3	813.1	806.1	803.8
167.5°	832.4	832.9	834.8	836.8	834.8	832.9	832.4	825.4	816.2	811.6	809.6
170°	832.4	832.4	832.4	832.4	832.4	832.4	832.4	825.4	816.2	811.6	811.5
172.5°	828.0	827.5	825.9	824.2	825.9	827.5	828.0	822.5	815.2	811.6	811.6
175°	822.0	822.0	822.0	822.0	822.0	822.0	822.0	818.5	813.8	811.6	812.6
177.5°	820.9	820.3	818.4	816.5	818.4	820.3	820.9	818.1	814.5	812.7	813.6
180°	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5	816.5



TEST NUMBER: P935261

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1817.1	1825.8	1831.0	1837.9	1855.4
5°	1747.5	1780.6	1790.9	1817.1	1848.4
7.5°	1594.3	1695.2	1723.1	1785.8	1834.5
10°	1446.4	1547.3	1596.0	1744.0	1817.1
12.5°	1371.6	1430.7	1463.8	1670.9	1792.7
15°	1324.6	1366.3	1390.7	1573.4	1764.9
17.5°	1287.9	1317.5	1334.9	1477.7	1726.6
20°	1265.4	1279.2	1295.0	1408.1	1683.1
22.5°	1249.6	1241.0	1253.2	1359.3	1623.9
25°	1239.3	1206.2	1220.1	1321.1	1554.2
27.5°	1248.0	1174.8	1180.1	1286.3	1481.2
30°	1249.6	1136.5	1138.3	1249.6	1399.4
32.5°	1237.5	1096.6	1098.2	1204.4	1307.1
35°	1207.9	1049.5	1047.8	1152.2	1181.8
37.5°	1167.9	999.1	999.1	1094.8	1044.3
40°	1119.1	948.6	953.8	1020.0	922.5
42.5°	1059.9	894.6	901.6	920.7	831.9
45°	995.6	842.4	847.6	778.0	762.4
47.5°	924.2	788.5	790.2	645.7	739.7
50°	839.0	732.8	725.8	553.5	737.9
52.5°	764.1	671.8	650.9	501.2	670.1
55°	691.0	607.4	562.2	461.2	621.4
57.5°	626.6	523.9	480.3	414.2	610.9
60°	567.4	442.0	409.0	363.8	560.4
62.5°	518.6	381.2	374.2	328.9	508.2
65°	466.5	339.4	337.6	299.3	431.7
67.5°	416.0	311.5	309.8	271.5	328.9
70°	362.0	281.9	278.5	242.0	243.6
72.5°	306.4	248.9	245.4	217.6	201.9
75°	250.7	210.6	208.9	189.7	163.6
77.5°	196.7	167.1	170.6	153.2	120.1
80°	141.0	121.8	125.3	109.6	90.5
82.5°	94.0	80.1	83.5	69.6	61.0
85°	52.3	45.2	47.0	36.5	27.8
87.5°	24.3	20.9	20.9	14.0	8.7
90°	24.2	15.4	14.2	9.8	5.4
92.5°	148.7	105.7	96.4	59.2	22.0
95°	365.9	206.0	189.0	120.8	52.6
97.5°	492.8	226.3	211.3	151.2	91.0
100°	539.0	243.3	229.7	175.1	120.6
102.5°	560.3	260.3	247.6	196.7	145.8
105°	576.0	285.5	274.7	231.6	188.5
107.5°	578.9	322.8	312.8	272.5	232.3
110°	574.5	343.6	334.5	298.2	261.9



TEST NUMBER: P935261

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	574.7	368.8	360.2	325.6	291.0
115°	579.9	406.6	398.6	366.7	334.8
117.5°	590.7	443.3	436.1	407.1	378.1
120°	599.5	464.7	457.9	430.6	403.3
122.5°	612.1	489.9	483.1	455.5	428.0
125°	629.1	522.2	516.0	490.9	465.8
127.5°	646.1	553.5	547.2	521.8	496.5
130°	658.6	574.3	567.5	540.2	512.9
132.5°	668.6	591.3	584.4	557.2	529.9
135°	679.5	611.0	604.8	579.9	555.1
137.5°	696.0	636.2	630.1	605.4	580.8
140°	706.0	653.2	647.6	624.9	602.3
142.5°	714.4	665.8	660.6	639.7	618.7
145°	725.4	685.0	680.4	662.2	643.9
147.5°	741.4	709.1	704.6	686.8	669.1
150°	749.8	721.7	717.7	701.6	685.5
152.5°	755.3	730.0	726.9	714.8	702.6
155°	767.4	748.0	745.7	736.7	727.8
157.5°	779.4	766.1	763.9	755.2	746.4
160°	784.9	774.3	772.6	765.8	758.9
162.5°	790.7	783.1	781.8	776.7	771.6
165°	799.2	795.7	794.5	789.9	785.3
167.5°	805.7	802.8	802.2	800.0	797.8
170°	811.2	811.0	810.5	808.3	806.1
172.5°	811.6	811.6	811.5	810.9	810.5
175°	814.8	816.5	816.5	816.5	816.5
177.5°	815.2	816.5	816.5	816.5	816.5
180°	816.5	816.5	816.5	816.5	816.5



TEST NUMBER: P935261
 CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3000K

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	13.01	13.85	13.99	14.84	16.15	15.83	16.67	16.81	17.66	18.97
	3H	13.48	14.23	14.47	15.24	16.57	17.17	17.93	18.16	18.93	20.26
	4H	13.67	14.38	14.68	15.39	16.73	17.62	18.33	18.62	19.33	20.67
	6H	13.79	14.45	14.81	15.46	16.81	17.90	18.55	18.91	19.56	20.91
	8H	13.79	14.42	14.81	15.44	16.79	17.97	18.60	18.99	19.62	20.97
	12H	13.76	14.35	14.79	15.37	16.75	18.01	18.60	19.03	19.62	20.99
4H	2H	14.04	14.75	15.05	15.75	17.09	16.24	16.95	17.25	17.96	19.29
	3H	15.06	15.65	16.08	16.69	18.04	17.74	18.33	18.76	19.37	20.72
	4H	15.34	15.88	16.36	16.90	18.28	18.27	18.81	19.29	19.84	21.21
	6H	15.46	15.93	16.50	16.98	18.35	18.63	19.10	19.67	20.15	21.52
	8H	15.47	15.90	16.50	16.94	18.33	18.74	19.17	19.77	20.21	21.60
	12H	15.43	15.83	16.49	16.88	18.27	18.79	19.18	19.85	20.24	21.63
8H	4H	15.79	16.22	16.83	17.27	18.65	18.39	18.83	19.43	19.87	21.25
	6H	16.05	16.41	17.11	17.49	18.87	18.82	19.18	19.89	20.27	21.65
	8H	16.09	16.41	17.16	17.48	18.88	18.98	19.29	20.04	20.36	21.76
	12H	16.07	16.35	17.15	17.42	18.86	19.07	19.35	20.14	20.41	21.86
12H	4H	15.79	16.19	16.85	17.24	18.63	18.35	18.75	19.41	19.80	21.19
	6H	16.11	16.43	17.18	17.49	18.90	18.82	19.14	19.89	20.21	21.61
	8H	16.17	16.45	17.25	17.52	18.96	18.98	19.26	20.05	20.32	21.77