

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: P935241

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935241
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-92765-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

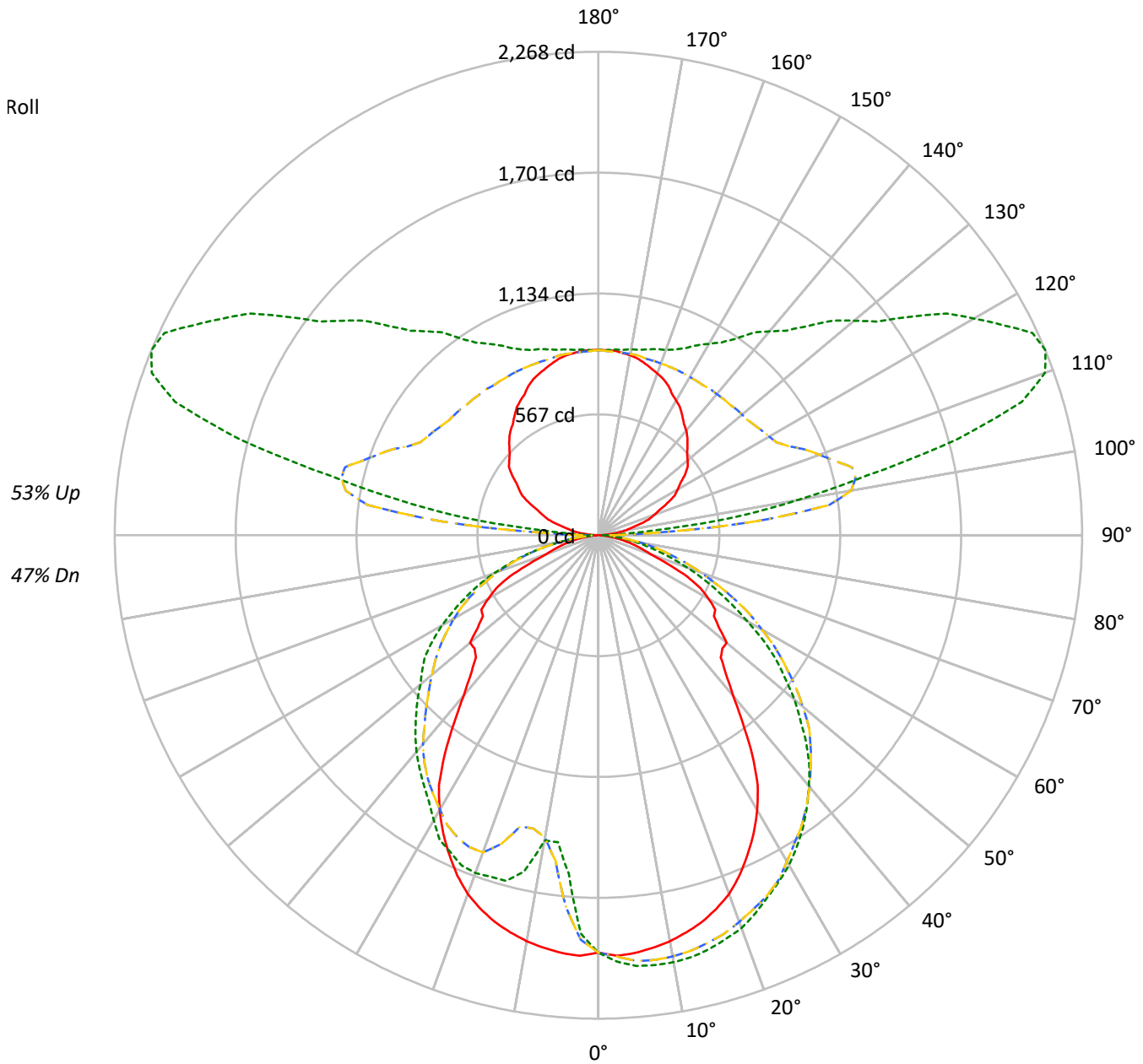
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10712.7 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12111	12111	12111	12111
5°	12197	12226	12197	9613
10°	12112	12043	12112	8610
15°	11975	11782	11975	9839
20°	11721	11474	11721	9859
25°	11203	11023	11203	9651
30°	10537	10648	10537	9191
35°	9388	10175	9388	8687
40°	7818	9617	7818	8307
45°	6981	8965	6981	7868
50°	7410	8187	7410	7429
55°	6966	7349	6966	7174
60°	7172	6241	7172	6571
65°	6493	5159	6493	5767
70°	4485	4112	4485	4833
75°	3918	3039	3918	3640
80°	3134	2010	3134	2188
85°	1765	1064	1765	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10707 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.7	1.6
10°-20°	501.8	4.7
20°-30°	775.7	7.2
30°-40°	926.0	8.6
40°-50°	931.4	8.7
50°-60°	810.4	7.6
60°-70°	574.6	5.4
70°-80°	304.0	2.8
80°-90°	79.0	0.7
90°-100°	423.6	4.0
100°-110°	1113.6	10.4
110°-120°	1154.6	10.8
120°-130°	926.2	8.6
130°-140°	726.7	6.8
140°-150°	557.8	5.2
150°-160°	401.7	3.7
160°-170°	245.8	2.3
170°-180°	83.0	0.8
0°-30°	1454.2	13.6
0°-40°	2380.2	22.2
0°-60°	4122.1	38.5
0°-90°	5079.7	47.4
90°-120°	2691.8	25.1
90°-150°	4902.4	45.8
90°-180°	5633.0	52.6
0°-180°	10712.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1958	1958	1958	1958	1958	
5°	1967	2028	1967	1595	1967	187
15°	1878	2010	1878	1678	1878	528
25°	1654	1875	1654	1641	1654	759
35°	1258	1673	1258	1428	1258	778
45°	811	1378	811	1210	811	650
55°	661	1017	661	993	661	608
65°	459	613	459	685	459	439
75°	174	291	174	348	174	183
85°	30	74	30	63	30	40
90°	6	22	6	22	6	6
95°	56	256	56	256	56	62
105°	201	1744	201	1744	201	213
115°	356	2245	356	2245	356	352
125°	496	1788	496	1788	496	440
135°	591	1387	591	1387	591	457
145°	685	1126	685	1126	685	429
155°	774	969	774	969	774	356
165°	836	903	836	903	836	236
175°	869	875	869	875	869	82
180°	869	869	869	869	869	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1974.6	1974.6	1985.7	1989.3	1989.3	1983.8	1978.2	1983.8	2000.5	2006.1	2004.2
5°	1967.1	1982.0	2002.3	2006.1	2009.7	2007.8	2004.2	2007.8	2026.3	2030.1	2032.0
7.5°	1952.3	1980.1	2006.1	2011.6	2017.1	2011.6	2009.7	2013.5	2032.0	2035.7	2035.7
10°	1933.8	1972.7	2002.3	2006.1	2011.6	2006.1	2006.1	2013.5	2032.0	2035.7	2037.5
12.5°	1907.8	1961.6	1989.3	1993.1	2000.5	1998.6	1996.7	2004.2	2022.7	2026.3	2026.3
15°	1878.2	1941.2	1967.1	1970.8	1983.8	1980.1	1980.1	1987.5	2007.8	2013.5	2011.6
17.5°	1837.4	1915.2	1944.9	1950.5	1959.7	1957.8	1959.7	1967.1	1985.7	1989.3	1991.2
20°	1791.2	1880.1	1915.2	1920.8	1930.1	1930.1	1930.1	1939.3	1957.8	1965.3	1965.3
22.5°	1728.2	1843.1	1880.1	1883.8	1894.9	1894.9	1898.6	1911.6	1928.2	1930.1	1930.1
25°	1654.1	1802.3	1833.8	1844.8	1856.0	1861.6	1867.1	1874.6	1880.1	1878.2	1880.1
27.5°	1576.3	1750.4	1791.2	1798.6	1813.4	1818.9	1826.3	1828.2	1830.1	1835.6	1831.9
30°	1489.3	1678.2	1739.3	1746.7	1770.8	1774.4	1767.1	1770.8	1780.1	1783.8	1787.4
32.5°	1391.0	1570.8	1685.6	1702.3	1724.4	1713.3	1711.5	1717.1	1731.9	1731.9	1735.6
35°	1257.7	1487.4	1635.5	1650.4	1667.0	1654.1	1661.5	1663.3	1672.6	1678.2	1676.3
37.5°	1111.4	1415.1	1583.7	1594.8	1607.8	1591.2	1602.2	1607.8	1615.2	1611.5	1611.5
40°	981.7	1302.1	1522.5	1530.0	1541.1	1528.2	1539.3	1542.9	1546.7	1542.9	1541.1
42.5°	885.4	1178.0	1457.8	1467.0	1459.6	1468.9	1472.5	1480.0	1474.4	1467.0	1467.0
45°	811.3	1144.7	1387.4	1398.5	1387.4	1402.2	1407.8	1407.8	1391.0	1387.4	1385.5
47.5°	787.2	1078.0	1317.0	1317.0	1311.4	1329.9	1339.2	1326.3	1309.5	1304.0	1304.0
50°	785.3	1004.0	1220.6	1213.2	1239.1	1261.4	1252.1	1239.1	1226.2	1205.9	1205.9
52.5°	713.1	913.2	1096.5	1124.4	1165.1	1178.0	1163.2	1150.2	1128.0	1118.7	1111.4
55°	661.3	818.7	983.6	1039.1	1081.7	1098.4	1070.6	1057.6	1024.3	1018.7	1015.1
57.5°	650.2	681.7	879.8	950.2	1002.1	1000.2	983.6	959.5	931.7	926.1	924.3
60°	596.4	492.7	768.7	852.1	905.7	900.2	885.4	863.2	837.2	833.6	829.8
62.5°	540.8	357.5	642.7	737.2	813.2	811.3	798.3	765.0	746.5	737.2	729.8
65°	459.4	300.0	457.5	613.1	722.4	726.1	698.3	674.2	653.8	642.7	640.9
67.5°	350.0	244.5	309.3	511.2	635.3	631.7	596.4	585.3	559.4	553.8	542.7
70°	259.3	163.0	214.9	414.9	550.2	540.8	513.1	500.2	476.0	463.1	455.7
72.5°	214.9	131.5	157.4	322.3	463.1	451.9	427.9	413.0	392.7	381.5	374.2
75°	174.1	138.9	120.4	238.9	376.0	368.6	346.4	331.5	314.9	300.0	301.9
77.5°	127.8	129.6	96.3	176.0	298.2	287.1	274.1	255.6	248.2	233.4	233.4
80°	96.3	101.9	72.3	120.4	214.9	214.9	203.8	190.8	177.8	170.4	170.4
82.5°	64.9	64.9	53.7	75.9	146.4	140.8	133.4	129.6	122.3	118.5	118.5
85°	29.6	37.0	33.4	46.3	79.6	83.4	83.4	79.6	77.8	74.1	75.9
87.5°	9.3	16.6	20.4	25.9	40.8	42.6	44.5	44.5	44.5	46.3	46.3
90°	5.8	10.5	15.1	16.4	25.7	38.1	44.3	39.4	29.5	22.2	22.2
92.5°	23.4	63.0	102.6	112.5	158.2	219.1	249.6	218.7	157.0	110.8	106.4
95°	56.0	128.5	201.1	219.3	389.4	616.2	729.5	651.0	493.9	376.1	362.8
97.5°	96.8	160.9	224.9	240.9	524.5	902.6	1091.7	1042.1	942.8	868.3	842.9
100°	128.3	186.4	244.4	258.9	573.6	993.2	1203.1	1206.7	1214.0	1219.4	1189.1
102.5°	155.2	209.4	263.5	277.0	596.2	1021.8	1234.6	1297.8	1424.3	1519.2	1493.3
105°	200.6	246.5	292.4	303.9	613.0	1025.1	1231.1	1372.9	1656.4	1869.0	1855.1
107.5°	247.2	290.0	332.8	343.5	616.1	979.4	1161.1	1358.9	1754.3	2051.0	2054.4
110°	278.7	317.3	356.0	365.7	611.4	939.0	1102.8	1323.8	1766.0	2097.7	2112.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	309.7	346.5	383.3	392.5	611.6	903.7	1049.7	1276.0	1728.6	2067.9	2090.2
115°	356.3	390.2	424.2	432.7	617.2	863.1	986.1	1204.1	1640.1	1967.1	1998.0
117.5°	402.4	433.2	464.1	471.7	628.6	837.8	942.4	1139.1	1532.5	1827.6	1861.9
120°	429.2	458.3	487.3	494.6	638.0	829.3	924.9	1104.6	1464.1	1733.8	1767.1
122.5°	455.5	484.7	514.1	521.4	651.4	824.8	911.5	1073.4	1397.1	1639.8	1672.7
125°	495.7	522.4	549.1	555.8	669.5	821.1	896.9	1034.4	1309.4	1515.7	1546.0
127.5°	528.4	555.3	582.3	589.1	687.6	819.0	884.7	1002.8	1238.9	1416.0	1441.5
130°	545.9	574.9	603.9	611.2	700.8	820.3	880.0	985.1	1195.3	1353.0	1376.5
132.5°	563.9	593.0	622.0	629.2	711.5	821.1	875.9	970.0	1158.2	1299.3	1320.5
135°	590.7	617.2	643.6	650.3	723.2	820.3	868.9	947.7	1105.3	1223.5	1241.8
137.5°	618.1	644.3	670.6	677.1	740.7	825.4	867.8	934.4	1067.6	1167.5	1182.4
140°	640.9	665.0	689.2	695.1	751.3	826.2	863.7	921.2	1036.3	1122.6	1136.5
142.5°	658.4	680.7	703.0	708.6	760.3	829.2	863.7	914.2	1015.3	1091.1	1103.0
145°	685.2	704.7	724.1	729.0	772.0	829.3	857.9	899.2	981.9	1043.9	1052.9
147.5°	712.1	730.9	749.8	754.6	789.0	834.9	857.9	890.4	955.5	1004.2	1011.7
150°	729.5	746.6	763.7	768.0	798.0	837.9	857.9	885.4	940.2	981.4	987.5
152.5°	747.7	760.7	773.6	776.8	803.8	839.8	857.9	881.3	928.3	963.4	968.0
155°	774.5	784.0	793.6	796.0	816.7	844.1	857.9	876.6	913.9	941.8	944.9
157.5°	794.3	803.7	812.9	815.3	829.5	848.4	857.9	872.4	901.4	923.2	925.4
160°	807.7	815.0	822.3	824.0	835.3	850.4	857.9	870.3	895.2	913.9	915.1
162.5°	821.1	826.6	832.0	833.4	841.5	852.5	857.9	868.3	889.4	905.1	906.2
165°	835.7	840.6	845.5	846.8	850.5	855.4	857.9	865.4	880.4	891.7	892.9
167.5°	849.1	851.4	853.8	854.3	857.4	861.6	863.7	868.6	878.4	885.8	886.4
170°	857.9	860.2	862.5	863.1	863.3	863.6	863.7	868.6	878.4	885.8	885.8
172.5°	862.5	863.0	863.6	863.7	863.7	863.7	863.7	867.6	875.4	881.1	880.7
175°	868.9	868.9	868.9	868.9	867.1	864.8	863.7	866.1	871.1	874.8	874.8
177.5°	868.9	868.9	868.9	868.9	867.6	865.8	864.9	866.8	870.7	873.6	873.0
180°	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	2007.8	2002.3	2007.8	2004.2	2006.1	2000.5	1983.8	1978.2	1983.8	1989.3	1989.3
5°	2032.0	2028.2	2032.0	2032.0	2030.1	2026.3	2007.8	2004.2	2007.8	2009.7	2006.1
7.5°	2039.3	2033.8	2039.3	2035.7	2035.7	2032.0	2013.5	2009.7	2011.6	2017.1	2011.6
10°	2039.3	2033.8	2039.3	2037.5	2035.7	2032.0	2013.5	2006.1	2006.1	2011.6	2006.1
12.5°	2030.1	2026.3	2030.1	2026.3	2026.3	2022.7	2004.2	1996.7	1998.6	2000.5	1993.1
15°	2015.3	2009.7	2015.3	2011.6	2013.5	2007.8	1987.5	1980.1	1980.1	1983.8	1970.8
17.5°	1993.1	1985.7	1993.1	1991.2	1989.3	1985.7	1967.1	1959.7	1957.8	1959.7	1950.5
20°	1967.1	1961.6	1967.1	1965.3	1965.3	1957.8	1939.3	1930.1	1930.1	1930.1	1920.8
22.5°	1926.3	1920.8	1926.3	1930.1	1930.1	1928.2	1911.6	1898.6	1894.9	1894.9	1883.8
25°	1880.1	1874.6	1880.1	1880.1	1878.2	1880.1	1874.6	1867.1	1861.6	1856.0	1844.8
27.5°	1835.6	1831.9	1835.6	1831.9	1835.6	1830.1	1828.2	1826.3	1818.9	1813.4	1798.6
30°	1791.2	1787.4	1791.2	1787.4	1783.8	1780.1	1770.8	1767.1	1774.4	1770.8	1746.7
32.5°	1735.6	1731.9	1735.6	1735.6	1731.9	1731.9	1717.1	1711.5	1713.3	1724.4	1702.3
35°	1678.2	1672.6	1678.2	1676.3	1678.2	1672.6	1663.3	1661.5	1654.1	1667.0	1650.4
37.5°	1611.5	1605.9	1611.5	1611.5	1611.5	1615.2	1607.8	1602.2	1591.2	1607.8	1594.8
40°	1542.9	1535.5	1542.9	1541.1	1542.9	1546.7	1542.9	1539.3	1528.2	1541.1	1530.0
42.5°	1465.2	1463.3	1465.2	1467.0	1467.0	1474.4	1480.0	1472.5	1468.9	1459.6	1467.0
45°	1381.8	1378.1	1381.8	1385.5	1387.4	1391.0	1407.8	1407.8	1402.2	1387.4	1398.5
47.5°	1292.9	1283.6	1292.9	1304.0	1304.0	1309.5	1326.3	1339.2	1329.9	1311.4	1317.0
50°	1198.4	1200.3	1198.4	1205.9	1205.9	1226.2	1239.1	1252.1	1261.4	1239.1	1213.2
52.5°	1105.9	1104.0	1105.9	1111.4	1118.7	1128.0	1150.2	1163.2	1178.0	1165.1	1124.4
55°	1013.2	1016.9	1013.2	1015.1	1018.7	1024.3	1057.6	1070.6	1098.4	1081.7	1039.1
57.5°	920.6	915.0	920.6	924.3	926.1	931.7	959.5	983.6	1000.2	1002.1	950.2
60°	813.2	805.7	813.2	829.8	833.6	837.2	863.2	885.4	900.2	905.7	852.1
62.5°	718.7	705.7	718.7	729.8	737.2	746.5	765.0	798.3	811.3	813.2	737.2
65°	618.7	613.1	618.7	640.9	642.7	653.8	674.2	698.3	726.1	722.4	613.1
67.5°	527.9	527.9	527.9	542.7	553.8	559.4	585.3	596.4	631.7	635.3	511.2
70°	444.5	442.7	444.5	455.7	463.1	476.0	500.2	513.1	540.8	550.2	414.9
72.5°	364.9	363.0	364.9	374.2	381.5	392.7	413.0	427.9	451.9	463.1	322.3
75°	294.5	290.8	294.5	301.9	300.0	314.9	331.5	346.4	368.6	376.0	238.9
77.5°	226.0	226.0	226.0	233.4	233.4	248.2	255.6	274.1	287.1	298.2	176.0
80°	168.5	166.8	168.5	170.4	170.4	177.8	190.8	203.8	214.9	214.9	120.4
82.5°	118.5	114.9	118.5	118.5	118.5	122.3	129.6	133.4	140.8	146.4	75.9
85°	74.1	74.1	74.1	75.9	74.1	77.8	79.6	83.4	83.4	79.6	46.3
87.5°	48.1	46.3	48.1	46.3	46.3	44.5	44.5	44.5	42.6	40.8	25.9
90°	22.2	22.2	22.2	22.2	22.2	29.5	39.4	44.3	38.1	25.7	16.4
92.5°	88.7	71.1	88.7	106.4	110.8	157.0	218.7	249.6	219.1	158.2	112.5
95°	309.4	256.0	309.4	362.8	376.1	493.9	651.0	729.5	616.2	389.4	219.3
97.5°	741.3	639.7	741.3	842.9	868.3	942.8	1042.1	1091.7	902.6	524.5	240.9
100°	1068.1	947.0	1068.1	1189.1	1219.4	1214.0	1206.7	1203.1	993.2	573.6	258.9
102.5°	1389.5	1285.9	1389.5	1493.3	1519.2	1424.3	1297.8	1234.6	1021.8	596.2	277.0
105°	1799.4	1743.7	1799.4	1855.1	1869.0	1656.4	1372.9	1231.1	1025.1	613.0	303.9
107.5°	2067.9	2081.4	2067.9	2054.4	2051.0	1754.3	1358.9	1161.1	979.4	616.1	343.5
110°	2170.3	2228.3	2170.3	2112.2	2097.7	1766.0	1323.8	1102.8	939.0	611.4	365.7



TEST NUMBER: P935241

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2179.4	2268.5	2179.4	2090.2	2067.9	1728.6	1276.0	1049.7	903.7	611.6	392.5
115°	2121.6	2245.3	2121.6	1998.0	1967.1	1640.1	1204.1	986.1	863.1	617.2	432.7
117.5°	1999.1	2136.2	1999.1	1861.9	1827.6	1532.5	1139.1	942.4	837.8	628.6	471.7
120°	1900.4	2033.5	1900.4	1767.1	1733.8	1464.1	1104.6	924.9	829.3	638.0	494.6
122.5°	1804.2	1935.6	1804.2	1672.7	1639.8	1397.1	1073.4	911.5	824.8	651.4	521.4
125°	1667.0	1788.0	1667.0	1546.0	1515.7	1309.4	1034.4	896.9	821.1	669.5	555.8
127.5°	1543.7	1645.7	1543.7	1441.5	1416.0	1238.9	1002.8	884.7	819.0	687.6	589.1
130°	1470.9	1565.3	1470.9	1376.5	1353.0	1195.3	985.1	880.0	820.3	700.8	611.2
132.5°	1405.0	1489.5	1405.0	1320.5	1299.3	1158.2	970.0	875.9	821.1	711.5	629.2
135°	1314.6	1387.4	1314.6	1241.8	1223.5	1105.3	947.7	868.9	820.3	723.2	650.3
137.5°	1242.0	1301.7	1242.0	1182.4	1167.5	1067.6	934.4	867.8	825.4	740.7	677.1
140°	1192.3	1248.0	1192.3	1136.5	1122.6	1036.3	921.2	863.7	826.2	751.3	695.1
142.5°	1151.1	1199.0	1151.1	1103.0	1091.1	1015.3	914.2	863.7	829.2	760.3	708.6
145°	1089.3	1125.6	1089.3	1052.9	1043.9	981.9	899.2	857.9	829.3	772.0	729.0
147.5°	1041.8	1071.9	1041.8	1011.7	1004.2	955.5	890.4	857.9	834.9	789.0	754.6
150°	1011.9	1036.3	1011.9	987.5	981.4	940.2	885.4	857.9	837.9	798.0	768.0
152.5°	986.4	1004.8	986.4	968.0	963.4	928.3	881.3	857.9	839.8	803.8	776.8
155°	957.0	969.2	957.0	944.9	941.8	913.9	876.6	857.9	844.1	816.7	796.0
157.5°	933.9	942.4	933.9	925.4	923.2	901.4	872.4	857.9	848.4	829.5	815.3
160°	920.0	924.9	920.0	915.1	913.9	895.2	870.3	857.9	850.4	835.3	824.0
162.5°	910.9	915.5	910.9	906.2	905.1	889.4	868.3	857.9	852.5	841.5	833.4
165°	897.9	902.7	897.9	892.9	891.7	880.4	865.4	857.9	855.4	850.5	846.8
167.5°	888.4	890.5	888.4	886.4	885.8	878.4	868.6	863.7	861.6	857.4	854.3
170°	885.8	885.8	885.8	885.8	885.8	878.4	868.6	863.7	863.6	863.3	863.1
172.5°	878.9	877.1	878.9	880.7	881.1	875.4	867.6	863.7	863.7	863.7	863.7
175°	874.8	874.8	874.8	874.8	874.8	871.1	866.1	863.7	864.8	867.1	868.9
177.5°	871.0	868.9	871.0	873.0	873.6	870.7	866.8	864.9	865.8	867.6	868.9
180°	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9



TEST NUMBER: P935241

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1985.7	1974.6	1974.6	1956.0	1948.6	1943.1	1933.8	1906.0	1898.6	1891.2	1902.3
5°	2002.3	1982.0	1967.1	1933.8	1906.0	1894.9	1859.7	1793.0	1748.6	1715.2	1696.7
7.5°	2006.1	1980.1	1952.3	1900.4	1833.8	1804.1	1696.7	1574.4	1541.1	1511.4	1492.9
10°	2002.3	1972.7	1933.8	1856.0	1698.5	1646.7	1539.3	1459.6	1439.3	1433.7	1439.3
12.5°	1989.3	1961.6	1907.8	1778.2	1557.8	1522.5	1459.6	1413.3	1409.6	1418.9	1468.9
15°	1967.1	1941.2	1878.2	1674.4	1480.0	1454.0	1409.6	1392.9	1413.3	1478.1	1628.2
17.5°	1944.9	1915.2	1837.4	1572.5	1420.7	1402.2	1370.7	1404.0	1518.9	1605.9	1655.9
20°	1915.2	1880.1	1791.2	1498.5	1378.1	1361.4	1346.6	1496.7	1583.7	1615.2	1642.9
22.5°	1880.1	1843.1	1728.2	1446.6	1333.6	1320.6	1329.9	1548.5	1583.7	1605.9	1630.0
25°	1833.8	1802.3	1654.1	1405.9	1298.5	1283.6	1318.9	1542.9	1563.3	1568.9	1617.0
27.5°	1791.2	1750.4	1576.3	1368.9	1255.9	1250.3	1328.1	1518.9	1533.7	1539.3	1591.2
30°	1739.3	1678.2	1489.3	1329.9	1211.4	1209.5	1329.9	1489.3	1485.5	1500.4	1552.2
32.5°	1685.6	1570.8	1391.0	1281.8	1168.8	1167.0	1317.0	1444.8	1441.0	1461.4	1500.4
35°	1635.5	1487.4	1257.7	1226.2	1115.1	1116.9	1285.5	1392.9	1394.8	1413.3	1437.4
37.5°	1583.7	1415.1	1111.4	1165.1	1063.2	1063.2	1242.9	1344.8	1341.0	1346.6	1379.9
40°	1522.5	1302.1	981.7	1085.5	1015.1	1009.5	1191.0	1292.9	1279.9	1278.1	1324.4
42.5°	1457.8	1178.0	885.4	979.9	959.5	952.1	1128.0	1229.9	1205.9	1211.4	1270.6
45°	1387.4	1144.7	811.3	828.0	902.1	896.5	1059.5	1157.6	1141.0	1155.9	1217.0
47.5°	1317.0	1078.0	787.2	687.2	841.0	839.1	983.6	1087.3	1078.0	1092.9	1157.6
50°	1220.6	1004.0	785.3	589.1	772.4	779.8	892.8	1018.7	1018.7	1031.7	1100.2
52.5°	1096.5	913.2	713.1	533.4	692.7	715.0	813.2	959.5	963.2	976.1	1037.2
55°	983.6	818.7	661.3	490.8	598.3	646.4	735.3	898.3	905.7	918.7	974.3
57.5°	879.8	681.7	650.2	440.8	511.2	557.6	666.8	839.1	842.8	853.9	907.6
60°	768.7	492.7	596.4	387.2	435.3	470.4	603.8	768.7	781.7	789.1	835.3
62.5°	642.7	357.5	540.8	350.0	398.3	405.7	551.9	702.1	718.7	724.2	752.1
65°	457.5	300.0	459.4	318.5	359.3	361.2	496.4	633.5	648.3	657.6	677.9
67.5°	309.3	244.5	350.0	288.9	329.7	331.5	442.7	553.8	574.2	581.6	594.6
70°	214.9	163.0	259.3	257.5	296.4	300.0	385.3	481.6	500.2	505.7	513.1
72.5°	157.4	131.5	214.9	231.5	261.2	264.9	326.0	400.1	418.7	424.2	427.9
75°	120.4	138.9	174.1	201.9	222.3	224.1	266.8	326.0	338.9	342.7	344.5
77.5°	96.3	129.6	127.8	163.0	181.5	177.8	209.3	251.9	263.0	263.0	263.0
80°	72.3	101.9	96.3	116.7	133.4	129.6	150.0	179.7	183.4	187.0	185.3
82.5°	53.7	64.9	64.9	74.1	88.9	85.2	100.0	116.7	116.7	116.7	120.4
85°	33.4	37.0	29.6	38.9	50.0	48.1	55.6	63.0	64.9	64.9	61.1
87.5°	20.4	16.6	9.3	14.9	22.2	22.2	25.9	27.8	25.9	25.9	25.9
90°	15.1	10.5	5.8	10.5	15.1	16.4	25.7	38.1	44.3	39.4	29.5
92.5°	102.6	63.0	23.4	63.0	102.6	112.5	158.2	219.1	249.6	218.7	157.0
95°	201.1	128.5	56.0	128.5	201.1	219.3	389.4	616.2	729.5	651.0	493.9
97.5°	224.9	160.9	96.8	160.9	224.9	240.9	524.5	902.6	1091.7	1042.1	942.8
100°	244.4	186.4	128.3	186.4	244.4	258.9	573.6	993.2	1203.1	1206.7	1214.0
102.5°	263.5	209.4	155.2	209.4	263.5	277.0	596.2	1021.8	1234.6	1297.8	1424.3
105°	292.4	246.5	200.6	246.5	292.4	303.9	613.0	1025.1	1231.1	1372.9	1656.4
107.5°	332.8	290.0	247.2	290.0	332.8	343.5	616.1	979.4	1161.1	1358.9	1754.3
110°	356.0	317.3	278.7	317.3	356.0	365.7	611.4	939.0	1102.8	1323.8	1766.0



TEST NUMBER: P935241

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	383.3	346.5	309.7	346.5	383.3	392.5	611.6	903.7	1049.7	1276.0	1728.6
115°	424.2	390.2	356.3	390.2	424.2	432.7	617.2	863.1	986.1	1204.1	1640.1
117.5°	464.1	433.2	402.4	433.2	464.1	471.7	628.6	837.8	942.4	1139.1	1532.5
120°	487.3	458.3	429.2	458.3	487.3	494.6	638.0	829.3	924.9	1104.6	1464.1
122.5°	514.1	484.7	455.5	484.7	514.1	521.4	651.4	824.8	911.5	1073.4	1397.1
125°	549.1	522.4	495.7	522.4	549.1	555.8	669.5	821.1	896.9	1034.4	1309.4
127.5°	582.3	555.3	528.4	555.3	582.3	589.1	687.6	819.0	884.7	1002.8	1238.9
130°	603.9	574.9	545.9	574.9	603.9	611.2	700.8	820.3	880.0	985.1	1195.3
132.5°	622.0	593.0	563.9	593.0	622.0	629.2	711.5	821.1	875.9	970.0	1158.2
135°	643.6	617.2	590.7	617.2	643.6	650.3	723.2	820.3	868.9	947.7	1105.3
137.5°	670.6	644.3	618.1	644.3	670.6	677.1	740.7	825.4	867.8	934.4	1067.6
140°	689.2	665.0	640.9	665.0	689.2	695.1	751.3	826.2	863.7	921.2	1036.3
142.5°	703.0	680.7	658.4	680.7	703.0	708.6	760.3	829.2	863.7	914.2	1015.3
145°	724.1	704.7	685.2	704.7	724.1	729.0	772.0	829.3	857.9	899.2	981.9
147.5°	749.8	730.9	712.1	730.9	749.8	754.6	789.0	834.9	857.9	890.4	955.5
150°	763.7	746.6	729.5	746.6	763.7	768.0	798.0	837.9	857.9	885.4	940.2
152.5°	773.6	760.7	747.7	760.7	773.6	776.8	803.8	839.8	857.9	881.3	928.3
155°	793.6	784.0	774.5	784.0	793.6	796.0	816.7	844.1	857.9	876.6	913.9
157.5°	812.9	803.7	794.3	803.7	812.9	815.3	829.5	848.4	857.9	872.4	901.4
160°	822.3	815.0	807.7	815.0	822.3	824.0	835.3	850.4	857.9	870.3	895.2
162.5°	832.0	826.6	821.1	826.6	832.0	833.4	841.5	852.5	857.9	868.3	889.4
165°	845.5	840.6	835.7	840.6	845.5	846.8	850.5	855.4	857.9	865.4	880.4
167.5°	853.8	851.4	849.1	851.4	853.8	854.3	857.4	861.6	863.7	868.6	878.4
170°	862.5	860.2	857.9	860.2	862.5	863.1	863.3	863.6	863.7	868.6	878.4
172.5°	863.6	863.0	862.5	863.0	863.6	863.7	863.7	863.7	863.7	867.6	875.4
175°	868.9	868.9	868.9	868.9	868.9	868.9	867.1	864.8	863.7	866.1	871.1
177.5°	868.9	868.9	868.9	868.9	868.9	868.9	867.6	865.8	864.9	866.8	870.7
180°	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9



TEST NUMBER: P935241

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1889.3	1883.8	1891.2	1870.8	1891.2	1883.8	1889.3	1902.3	1891.2	1898.6	1906.0
5°	1657.8	1648.5	1618.9	1594.8	1618.9	1648.5	1657.8	1696.7	1715.2	1748.6	1793.0
7.5°	1481.8	1474.4	1467.0	1452.2	1467.0	1474.4	1481.8	1492.9	1511.4	1541.1	1574.4
10°	1442.9	1444.8	1455.9	1454.0	1455.9	1444.8	1442.9	1439.3	1433.7	1439.3	1459.6
12.5°	1542.9	1559.7	1620.8	1617.0	1620.8	1559.7	1542.9	1468.9	1418.9	1409.6	1413.3
15°	1657.8	1663.3	1676.3	1678.2	1676.3	1663.3	1657.8	1628.2	1478.1	1413.3	1392.9
17.5°	1668.9	1670.8	1680.0	1680.0	1680.0	1670.8	1668.9	1655.9	1605.9	1518.9	1404.0
20°	1659.7	1663.3	1681.9	1685.6	1681.9	1663.3	1659.7	1642.9	1615.2	1583.7	1496.7
22.5°	1655.9	1663.3	1678.2	1676.3	1678.2	1663.3	1655.9	1630.0	1605.9	1583.7	1548.5
25°	1637.4	1637.4	1639.3	1641.2	1639.3	1637.4	1637.4	1617.0	1568.9	1563.3	1542.9
27.5°	1598.5	1602.2	1613.3	1611.5	1613.3	1602.2	1598.5	1591.2	1539.3	1533.7	1518.9
30°	1563.3	1559.7	1550.4	1542.9	1550.4	1559.7	1563.3	1552.2	1500.4	1485.5	1489.3
32.5°	1504.0	1494.8	1485.5	1480.0	1485.5	1494.8	1504.0	1500.4	1461.4	1441.0	1444.8
35°	1433.7	1435.5	1433.7	1428.1	1433.7	1435.5	1433.7	1437.4	1413.3	1394.8	1392.9
37.5°	1383.6	1387.4	1385.5	1378.1	1385.5	1387.4	1383.6	1379.9	1346.6	1341.0	1344.8
40°	1331.8	1333.6	1331.8	1326.3	1331.8	1333.6	1331.8	1324.4	1278.1	1279.9	1292.9
42.5°	1281.8	1279.9	1274.4	1270.6	1274.4	1279.9	1281.8	1270.6	1211.4	1205.9	1229.9
45°	1224.4	1226.2	1215.1	1209.5	1215.1	1226.2	1224.4	1217.0	1155.9	1141.0	1157.6
47.5°	1167.0	1167.0	1157.6	1152.1	1157.6	1167.0	1167.0	1157.6	1092.9	1078.0	1087.3
50°	1105.9	1104.0	1091.0	1089.1	1091.0	1104.0	1105.9	1100.2	1031.7	1018.7	1018.7
52.5°	1035.5	1035.5	1037.2	1041.0	1037.2	1035.5	1035.5	1037.2	976.1	963.2	959.5
55°	974.3	976.1	989.1	992.8	989.1	976.1	974.3	974.3	918.7	905.7	898.3
57.5°	911.3	911.3	920.6	920.6	920.6	911.3	911.3	907.6	853.9	842.8	839.1
60°	839.1	842.8	850.2	848.3	850.2	842.8	839.1	835.3	789.1	781.7	768.7
62.5°	763.1	766.8	768.7	765.0	768.7	766.8	763.1	752.1	724.2	718.7	702.1
65°	683.5	687.2	689.1	685.3	689.1	687.2	683.5	677.9	657.6	648.3	633.5
67.5°	602.0	600.2	598.3	605.7	598.3	600.2	602.0	594.6	581.6	574.2	553.8
70°	518.7	518.7	516.8	520.4	516.8	518.7	518.7	513.1	505.7	500.2	481.6
72.5°	429.7	427.9	435.3	429.7	435.3	427.9	429.7	427.9	424.2	418.7	400.1
75°	342.7	346.4	342.7	348.3	342.7	346.4	342.7	344.5	342.7	338.9	326.0
77.5°	261.2	264.9	261.2	261.2	261.2	264.9	261.2	263.0	263.0	263.0	251.9
80°	185.3	183.4	183.4	181.5	183.4	183.4	185.3	185.3	187.0	183.4	179.7
82.5°	118.5	116.7	116.7	120.4	116.7	116.7	118.5	120.4	116.7	116.7	116.7
85°	64.9	66.6	63.0	63.0	63.0	66.6	64.9	61.1	64.9	64.9	63.0
87.5°	24.1	22.2	22.2	22.2	22.2	22.2	24.1	25.9	25.9	25.9	27.8
90°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	29.5	39.4	44.3	38.1
92.5°	110.8	106.4	88.7	71.1	88.7	106.4	110.8	157.0	218.7	249.6	219.1
95°	376.1	362.8	309.4	256.0	309.4	362.8	376.1	493.9	651.0	729.5	616.2
97.5°	868.3	842.9	741.3	639.7	741.3	842.9	868.3	942.8	1042.1	1091.7	902.6
100°	1219.4	1189.1	1068.1	947.0	1068.1	1189.1	1219.4	1214.0	1206.7	1203.1	993.2
102.5°	1519.2	1493.3	1389.5	1285.9	1389.5	1493.3	1519.2	1424.3	1297.8	1234.6	1021.8
105°	1869.0	1855.1	1799.4	1743.7	1799.4	1855.1	1869.0	1656.4	1372.9	1231.1	1025.1
107.5°	2051.0	2054.4	2067.9	2081.4	2067.9	2054.4	2051.0	1754.3	1358.9	1161.1	979.4
110°	2097.7	2112.2	2170.3	2228.3	2170.3	2112.2	2097.7	1766.0	1323.8	1102.8	939.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2067.9	2090.2	2179.4	2268.5	2179.4	2090.2	2067.9	1728.6	1276.0	1049.7	903.7
115°	1967.1	1998.0	2121.6	2245.3	2121.6	1998.0	1967.1	1640.1	1204.1	986.1	863.1
117.5°	1827.6	1861.9	1999.1	2136.2	1999.1	1861.9	1827.6	1532.5	1139.1	942.4	837.8
120°	1733.8	1767.1	1900.4	2033.5	1900.4	1767.1	1733.8	1464.1	1104.6	924.9	829.3
122.5°	1639.8	1672.7	1804.2	1935.6	1804.2	1672.7	1639.8	1397.1	1073.4	911.5	824.8
125°	1515.7	1546.0	1667.0	1788.0	1667.0	1546.0	1515.7	1309.4	1034.4	896.9	821.1
127.5°	1416.0	1441.5	1543.7	1645.7	1543.7	1441.5	1416.0	1238.9	1002.8	884.7	819.0
130°	1353.0	1376.5	1470.9	1565.3	1470.9	1376.5	1353.0	1195.3	985.1	880.0	820.3
132.5°	1299.3	1320.5	1405.0	1489.5	1405.0	1320.5	1299.3	1158.2	970.0	875.9	821.1
135°	1223.5	1241.8	1314.6	1387.4	1314.6	1241.8	1223.5	1105.3	947.7	868.9	820.3
137.5°	1167.5	1182.4	1242.0	1301.7	1242.0	1182.4	1167.5	1067.6	934.4	867.8	825.4
140°	1122.6	1136.5	1192.3	1248.0	1192.3	1136.5	1122.6	1036.3	921.2	863.7	826.2
142.5°	1091.1	1103.0	1151.1	1199.0	1151.1	1103.0	1091.1	1015.3	914.2	863.7	829.2
145°	1043.9	1052.9	1089.3	1125.6	1089.3	1052.9	1043.9	981.9	899.2	857.9	829.3
147.5°	1004.2	1011.7	1041.8	1071.9	1041.8	1011.7	1004.2	955.5	890.4	857.9	834.9
150°	981.4	987.5	1011.9	1036.3	1011.9	987.5	981.4	940.2	885.4	857.9	837.9
152.5°	963.4	968.0	986.4	1004.8	986.4	968.0	963.4	928.3	881.3	857.9	839.8
155°	941.8	944.9	957.0	969.2	957.0	944.9	941.8	913.9	876.6	857.9	844.1
157.5°	923.2	925.4	933.9	942.4	933.9	925.4	923.2	901.4	872.4	857.9	848.4
160°	913.9	915.1	920.0	924.9	920.0	915.1	913.9	895.2	870.3	857.9	850.4
162.5°	905.1	906.2	910.9	915.5	910.9	906.2	905.1	889.4	868.3	857.9	852.5
165°	891.7	892.9	897.9	902.7	897.9	892.9	891.7	880.4	865.4	857.9	855.4
167.5°	885.8	886.4	888.4	890.5	888.4	886.4	885.8	878.4	868.6	863.7	861.6
170°	885.8	885.8	885.8	885.8	885.8	885.8	885.8	878.4	868.6	863.7	863.6
172.5°	881.1	880.7	878.9	877.1	878.9	880.7	881.1	875.4	867.6	863.7	863.7
175°	874.8	874.8	874.8	874.8	874.8	874.8	874.8	871.1	866.1	863.7	864.8
177.5°	873.6	873.0	871.0	868.9	871.0	873.0	873.6	870.7	866.8	864.9	865.8
180°	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9	868.9



TEST NUMBER: P935241

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1933.8	1943.1	1948.6	1956.0	1974.6
5°	1859.7	1894.9	1906.0	1933.8	1967.1
7.5°	1696.7	1804.1	1833.8	1900.4	1952.3
10°	1539.3	1646.7	1698.5	1856.0	1933.8
12.5°	1459.6	1522.5	1557.8	1778.2	1907.8
15°	1409.6	1454.0	1480.0	1674.4	1878.2
17.5°	1370.7	1402.2	1420.7	1572.5	1837.4
20°	1346.6	1361.4	1378.1	1498.5	1791.2
22.5°	1329.9	1320.6	1333.6	1446.6	1728.2
25°	1318.9	1283.6	1298.5	1405.9	1654.1
27.5°	1328.1	1250.3	1255.9	1368.9	1576.3
30°	1329.9	1209.5	1211.4	1329.9	1489.3
32.5°	1317.0	1167.0	1168.8	1281.8	1391.0
35°	1285.5	1116.9	1115.1	1226.2	1257.7
37.5°	1242.9	1063.2	1063.2	1165.1	1111.4
40°	1191.0	1009.5	1015.1	1085.5	981.7
42.5°	1128.0	952.1	959.5	979.9	885.4
45°	1059.5	896.5	902.1	828.0	811.3
47.5°	983.6	839.1	841.0	687.2	787.2
50°	892.8	779.8	772.4	589.1	785.3
52.5°	813.2	715.0	692.7	533.4	713.1
55°	735.3	646.4	598.3	490.8	661.3
57.5°	666.8	557.6	511.2	440.8	650.2
60°	603.8	470.4	435.3	387.2	596.4
62.5°	551.9	405.7	398.3	350.0	540.8
65°	496.4	361.2	359.3	318.5	459.4
67.5°	442.7	331.5	329.7	288.9	350.0
70°	385.3	300.0	296.4	257.5	259.3
72.5°	326.0	264.9	261.2	231.5	214.9
75°	266.8	224.1	222.3	201.9	174.1
77.5°	209.3	177.8	181.5	163.0	127.8
80°	150.0	129.6	133.4	116.7	96.3
82.5°	100.0	85.2	88.9	74.1	64.9
85°	55.6	48.1	50.0	38.9	29.6
87.5°	25.9	22.2	22.2	14.9	9.3
90°	25.7	16.4	15.1	10.5	5.8
92.5°	158.2	112.5	102.6	63.0	23.4
95°	389.4	219.3	201.1	128.5	56.0
97.5°	524.5	240.9	224.9	160.9	96.8
100°	573.6	258.9	244.4	186.4	128.3
102.5°	596.2	277.0	263.5	209.4	155.2
105°	613.0	303.9	292.4	246.5	200.6
107.5°	616.1	343.5	332.8	290.0	247.2
110°	611.4	365.7	356.0	317.3	278.7



TEST NUMBER: P935241

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	611.6	392.5	383.3	346.5	309.7
115°	617.2	432.7	424.2	390.2	356.3
117.5°	628.6	471.7	464.1	433.2	402.4
120°	638.0	494.6	487.3	458.3	429.2
122.5°	651.4	521.4	514.1	484.7	455.5
125°	669.5	555.8	549.1	522.4	495.7
127.5°	687.6	589.1	582.3	555.3	528.4
130°	700.8	611.2	603.9	574.9	545.9
132.5°	711.5	629.2	622.0	593.0	563.9
135°	723.2	650.3	643.6	617.2	590.7
137.5°	740.7	677.1	670.6	644.3	618.1
140°	751.3	695.1	689.2	665.0	640.9
142.5°	760.3	708.6	703.0	680.7	658.4
145°	772.0	729.0	724.1	704.7	685.2
147.5°	789.0	754.6	749.8	730.9	712.1
150°	798.0	768.0	763.7	746.6	729.5
152.5°	803.8	776.8	773.6	760.7	747.7
155°	816.7	796.0	793.6	784.0	774.5
157.5°	829.5	815.3	812.9	803.7	794.3
160°	835.3	824.0	822.3	815.0	807.7
162.5°	841.5	833.4	832.0	826.6	821.1
165°	850.5	846.8	845.5	840.6	835.7
167.5°	857.4	854.3	853.8	851.4	849.1
170°	863.3	863.1	862.5	860.2	857.9
172.5°	863.7	863.7	863.6	863.0	862.5
175°	867.1	868.9	868.9	868.9	868.9
177.5°	867.6	868.9	868.9	868.9	868.9
180°	868.9	868.9	868.9	868.9	868.9



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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	13.22	14.06	14.20	15.06	16.36	16.05	16.89	17.03	17.88	19.19
	3H	13.70	14.45	14.69	15.45	16.78	17.39	18.14	18.38	19.14	20.47
	4H	13.89	14.60	14.89	15.61	16.94	17.83	18.54	18.84	19.55	20.89
	6H	14.01	14.66	15.02	15.67	17.02	18.12	18.77	19.13	19.78	21.13
	8H	14.01	14.63	15.03	15.66	17.00	18.19	18.81	19.21	19.84	21.18
	12H	13.98	14.57	15.00	15.59	16.96	18.23	18.82	19.25	19.84	21.21
4H	2H	14.25	14.96	15.26	15.97	17.31	16.46	17.17	17.46	18.17	19.51
	3H	15.28	15.87	16.30	16.90	18.25	17.96	18.55	18.98	19.58	20.93
	4H	15.55	16.10	16.58	17.12	18.49	18.48	19.03	19.51	20.05	21.42
	6H	15.68	16.14	16.71	17.19	18.56	18.85	19.31	19.88	20.36	21.73
	8H	15.68	16.12	16.72	17.16	18.54	18.95	19.39	19.99	20.43	21.81
	12H	15.65	16.04	16.70	17.10	18.49	19.01	19.40	20.06	20.46	21.85
8H	4H	16.00	16.44	17.04	17.48	18.87	18.61	19.04	19.64	20.08	21.47
	6H	16.26	16.62	17.33	17.71	19.09	19.04	19.40	20.10	20.48	21.87
	8H	16.31	16.62	17.38	17.69	19.09	19.19	19.51	20.26	20.58	21.98
	12H	16.29	16.57	17.36	17.63	19.07	19.29	19.57	20.36	20.63	22.07
12H	4H	16.01	16.40	17.06	17.46	18.85	18.57	18.96	19.63	20.02	21.41
	6H	16.32	16.64	17.39	17.71	19.11	19.04	19.35	20.11	20.42	21.82
	8H	16.39	16.67	17.46	17.73	19.18	19.20	19.47	20.27	20.54	21.98