

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: P935263

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935263
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-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

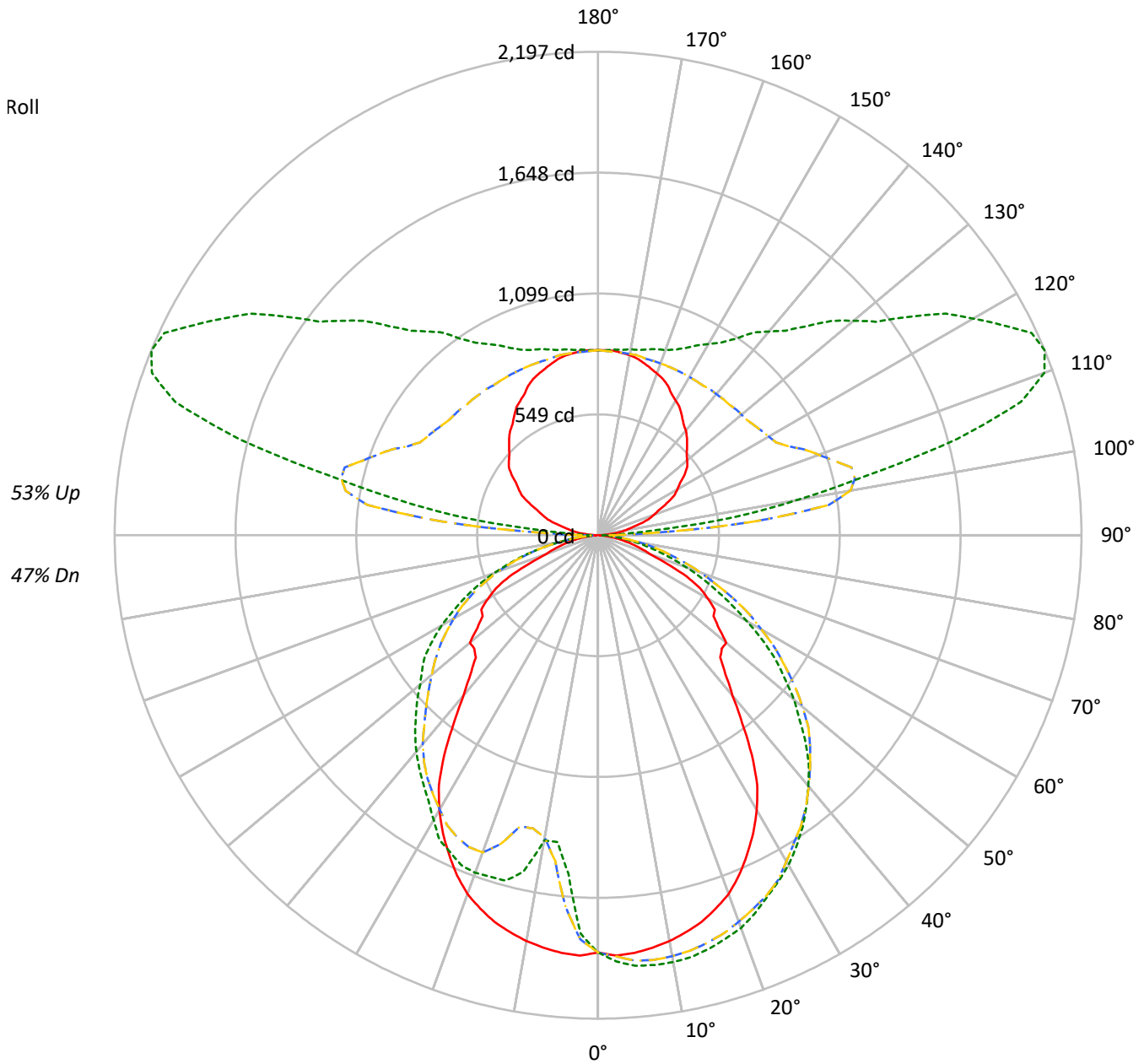
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10374.1 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: 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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11729	11729	11729	11729
5°	11812	11839	11812	9310
10°	11729	11662	11729	8338
15°	11597	11410	11597	9527
20°	11350	11111	11350	9547
25°	10849	10674	10849	9345
30°	10204	10311	10204	8901
35°	9092	9853	9092	8413
40°	7571	9313	7571	8044
45°	6761	8682	6761	7620
50°	7176	7928	7176	7194
55°	6746	7116	6746	6948
60°	6946	6043	6946	6363
65°	6288	4996	6288	5585
70°	4343	3982	4343	4681
75°	3794	2943	3794	3525
80°	3033	1947	3033	2119
85°	1711	1031	1711	876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	1.6
10°-20°	485.9	4.7
20°-30°	751.2	7.2
30°-40°	896.7	8.6
40°-50°	902.0	8.7
50°-60°	784.8	7.6
60°-70°	556.5	5.4
70°-80°	294.4	2.8
80°-90°	76.5	0.7
90°-100°	410.2	4.0
100°-110°	1078.4	10.4
110°-120°	1118.1	10.8
120°-130°	896.9	8.6
130°-140°	703.7	6.8
140°-150°	540.2	5.2
150°-160°	389.0	3.7
160°-170°	238.0	2.3
170°-180°	80.4	0.8
0°-30°	1408.2	13.6
0°-40°	2305.0	22.2
0°-60°	3991.8	38.5
0°-90°	4919.1	47.4
90°-120°	2606.7	25.1
90°-150°	4747.5	45.8
90°-180°	5455.0	52.6
0°-180°	10374.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1896	1896	1896	1896	1896	
5°	1905	1964	1905	1544	1905	181
15°	1819	1946	1819	1625	1819	512
25°	1602	1815	1602	1589	1602	735
35°	1218	1620	1218	1383	1218	754
45°	786	1335	786	1171	786	629
55°	640	985	640	962	640	588
65°	445	594	445	664	445	425
75°	169	282	169	337	169	177
85°	29	72	29	61	29	39
90°	6	22	6	22	6	6
95°	54	248	54	248	54	60
105°	194	1689	194	1689	194	206
115°	345	2174	345	2174	345	341
125°	480	1732	480	1732	480	426
135°	572	1344	572	1344	572	443
145°	664	1090	664	1090	664	416
155°	750	939	750	939	750	345
165°	809	874	809	874	809	228
175°	841	847	841	847	841	80
180°	841	841	841	841	841	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1912.2	1912.2	1922.9	1926.5	1926.5	1921.1	1915.7	1921.1	1937.2	1942.7	1940.8
5°	1904.9	1919.3	1939.0	1942.7	1946.2	1944.4	1940.8	1944.4	1962.3	1965.9	1967.7
7.5°	1890.6	1917.5	1942.7	1948.0	1953.3	1948.0	1946.2	1949.8	1967.7	1971.4	1971.4
10°	1872.7	1910.3	1939.0	1942.7	1948.0	1942.7	1942.7	1949.8	1967.7	1971.4	1973.1
12.5°	1847.5	1899.6	1926.5	1930.1	1937.2	1935.4	1933.6	1940.8	1958.8	1962.3	1962.3
15°	1818.8	1879.8	1904.9	1908.5	1921.1	1917.5	1917.5	1924.6	1944.4	1949.8	1948.0
17.5°	1779.4	1854.7	1883.5	1888.8	1897.8	1896.0	1897.8	1904.9	1922.9	1926.5	1928.3
20°	1734.6	1820.6	1854.7	1860.1	1869.1	1869.1	1869.1	1878.0	1896.0	1903.2	1903.2
22.5°	1673.6	1784.8	1820.6	1824.3	1835.0	1835.0	1838.6	1851.1	1867.3	1869.1	1869.1
25°	1601.8	1745.3	1775.8	1786.5	1797.3	1802.7	1808.1	1815.3	1820.6	1818.8	1820.6
27.5°	1526.5	1695.1	1734.6	1741.7	1756.1	1761.4	1768.6	1770.4	1772.2	1777.6	1774.0
30°	1442.2	1625.1	1684.3	1691.5	1714.8	1718.4	1711.2	1714.8	1723.8	1727.4	1730.9
32.5°	1347.1	1521.1	1632.3	1648.5	1669.9	1659.2	1657.4	1662.8	1677.2	1677.2	1680.7
35°	1218.0	1440.4	1583.9	1598.2	1614.4	1601.8	1609.0	1610.7	1619.7	1625.1	1623.3
37.5°	1076.2	1370.4	1533.6	1544.4	1557.0	1540.9	1551.5	1557.0	1564.1	1560.6	1560.6
40°	950.7	1261.0	1474.4	1481.7	1492.4	1479.8	1490.6	1494.1	1497.8	1494.1	1492.4
42.5°	857.4	1140.8	1411.7	1420.7	1413.5	1422.5	1426.0	1433.2	1427.8	1420.7	1420.7
45°	785.7	1108.6	1343.5	1354.3	1343.5	1357.8	1363.3	1363.3	1347.1	1343.5	1341.7
47.5°	762.3	1043.9	1275.4	1275.4	1269.9	1287.9	1296.8	1284.3	1268.1	1262.8	1262.8
50°	760.5	972.2	1182.0	1174.9	1200.0	1221.5	1212.6	1200.0	1187.5	1167.7	1167.7
52.5°	690.5	884.3	1061.8	1088.8	1128.3	1140.8	1126.5	1113.9	1092.3	1083.4	1076.2
55°	640.4	792.8	952.5	1006.3	1047.5	1063.7	1036.8	1024.2	992.0	986.5	983.0
57.5°	629.6	660.1	852.0	920.2	970.4	968.6	952.5	929.1	902.3	896.8	895.1
60°	577.6	477.1	744.4	825.1	877.1	871.8	857.4	835.9	810.8	807.2	803.6
62.5°	523.7	346.2	622.4	713.9	787.5	785.7	773.1	740.8	722.9	713.9	706.7
65°	444.9	290.6	443.1	593.7	699.6	703.1	676.2	652.9	633.2	622.4	620.7
67.5°	339.0	236.8	299.5	495.0	615.2	611.7	577.6	566.8	541.7	536.3	525.5
70°	251.1	157.9	208.1	401.8	532.8	523.7	496.8	484.4	461.0	448.4	441.3
72.5°	208.1	127.4	152.4	312.1	448.4	437.6	414.4	400.0	380.3	369.5	362.3
75°	168.6	134.5	116.6	231.4	364.1	357.0	335.5	321.1	304.9	290.6	292.4
77.5°	123.7	125.5	93.2	170.4	288.7	278.1	265.5	247.6	240.3	226.0	226.0
80°	93.2	98.7	70.0	116.6	208.1	208.1	197.3	184.7	172.2	165.0	165.0
82.5°	62.8	62.8	52.0	73.5	141.7	136.3	129.2	125.5	118.4	114.8	114.8
85°	28.7	35.8	32.3	44.8	77.1	80.7	80.7	77.1	75.3	71.8	73.5
87.5°	9.0	16.1	19.7	25.1	39.5	41.3	43.1	43.1	43.1	44.8	44.8
90°	5.6	10.1	14.7	15.8	24.9	36.9	42.9	38.1	28.6	21.5	21.5
92.5°	22.6	61.0	99.4	109.0	153.2	212.2	241.7	211.8	152.1	107.3	103.0
95°	54.2	124.5	194.8	212.4	377.1	596.7	706.5	630.4	478.3	364.2	351.3
97.5°	93.8	155.8	217.8	233.3	507.9	874.1	1057.2	1009.2	913.0	840.9	816.3
100°	124.3	180.5	236.7	250.7	555.5	961.8	1165.0	1168.6	1175.6	1180.9	1151.5
102.5°	150.3	202.8	255.2	268.3	577.4	989.5	1195.5	1256.8	1379.3	1471.2	1446.1
105°	194.2	238.7	283.1	294.3	593.6	992.7	1192.2	1329.5	1604.0	1810.0	1796.5
107.5°	239.4	280.9	322.3	332.6	596.6	948.4	1124.4	1315.9	1698.9	1986.2	1989.5
110°	269.9	307.3	344.8	354.1	592.1	909.3	1067.9	1282.0	1710.2	2031.4	2045.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	299.9	335.5	371.2	380.1	592.2	875.1	1016.5	1235.6	1673.9	2002.6	2024.1
115°	345.0	377.9	410.8	419.0	597.7	835.8	954.9	1166.0	1588.3	1904.9	1934.9
117.5°	389.7	419.5	449.4	456.8	608.7	811.3	912.6	1103.1	1484.1	1769.9	1803.1
120°	415.6	443.8	471.9	478.9	617.9	803.1	895.7	1069.7	1417.8	1679.0	1711.2
122.5°	441.1	469.4	497.8	504.9	630.8	798.7	882.7	1039.5	1352.9	1588.0	1619.9
125°	480.0	505.9	531.8	538.2	648.4	795.2	868.6	1001.7	1268.0	1467.8	1497.1
127.5°	511.7	537.8	563.9	570.4	665.8	793.1	856.7	971.1	1199.7	1371.2	1395.9
130°	528.6	556.8	584.8	591.9	678.7	794.4	852.2	953.9	1157.5	1310.2	1333.0
132.5°	546.1	574.2	602.3	609.4	689.0	795.2	848.2	939.4	1121.6	1258.3	1278.7
135°	572.1	597.7	623.3	629.7	700.3	794.4	841.4	917.7	1070.4	1184.9	1202.5
137.5°	598.6	623.9	649.4	655.7	717.2	799.3	840.4	904.9	1033.9	1130.6	1145.0
140°	620.7	644.0	667.4	673.2	727.6	800.1	836.4	892.1	1003.6	1087.1	1100.6
142.5°	637.6	659.2	680.8	686.2	736.3	803.0	836.4	885.3	983.2	1056.6	1068.2
145°	663.6	682.4	701.2	705.9	747.6	803.1	830.8	870.8	950.9	1010.9	1019.7
147.5°	689.6	707.8	726.1	730.7	764.0	808.5	830.8	862.3	925.3	972.5	979.7
150°	706.5	723.0	739.6	743.8	772.7	811.4	830.8	857.4	910.5	950.4	956.3
152.5°	724.0	736.6	749.1	752.3	778.4	813.3	830.8	853.5	898.9	932.9	937.4
155°	750.0	759.2	768.5	770.8	790.8	817.5	830.8	848.9	885.0	912.0	915.0
157.5°	769.2	778.3	787.2	789.5	803.2	821.6	830.8	844.8	872.9	894.0	896.1
160°	782.1	789.2	796.3	798.0	808.9	823.5	830.8	842.8	866.9	885.0	886.2
162.5°	795.2	800.4	805.7	807.0	814.9	825.5	830.8	840.9	861.3	876.5	877.6
165°	809.3	814.0	818.8	820.0	823.6	828.4	830.8	838.0	852.6	863.5	864.7
167.5°	822.2	824.5	826.8	827.3	830.3	834.4	836.4	841.2	850.7	857.8	858.4
170°	830.8	833.0	835.3	835.8	836.0	836.3	836.4	841.2	850.7	857.8	857.8
172.5°	835.3	835.7	836.3	836.4	836.4	836.4	836.4	840.2	847.7	853.3	852.8
175°	841.4	841.4	841.4	841.4	839.7	837.5	836.4	838.7	843.5	847.1	847.1
177.5°	841.4	841.4	841.4	841.4	840.2	838.5	837.5	839.4	843.2	846.0	845.4
180°	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1944.4	1939.0	1944.4	1940.8	1942.7	1937.2	1921.1	1915.7	1921.1	1926.5	1926.5
5°	1967.7	1964.1	1967.7	1967.7	1965.9	1962.3	1944.4	1940.8	1944.4	1946.2	1942.7
7.5°	1974.9	1969.5	1974.9	1971.4	1971.4	1967.7	1949.8	1946.2	1948.0	1953.3	1948.0
10°	1974.9	1969.5	1974.9	1973.1	1971.4	1967.7	1949.8	1942.7	1942.7	1948.0	1942.7
12.5°	1965.9	1962.3	1965.9	1962.3	1962.3	1958.8	1940.8	1933.6	1935.4	1937.2	1930.1
15°	1951.6	1946.2	1951.6	1948.0	1949.8	1944.4	1924.6	1917.5	1917.5	1921.1	1908.5
17.5°	1930.1	1922.9	1930.1	1928.3	1926.5	1922.9	1904.9	1897.8	1896.0	1897.8	1888.8
20°	1904.9	1899.6	1904.9	1903.2	1903.2	1896.0	1878.0	1869.1	1869.1	1869.1	1860.1
22.5°	1865.4	1860.1	1865.4	1869.1	1869.1	1867.3	1851.1	1838.6	1835.0	1835.0	1824.3
25°	1820.6	1815.3	1820.6	1820.6	1818.8	1820.6	1815.3	1808.1	1802.7	1797.3	1786.5
27.5°	1777.6	1774.0	1777.6	1774.0	1777.6	1772.2	1770.4	1768.6	1761.4	1756.1	1741.7
30°	1734.6	1730.9	1734.6	1730.9	1727.4	1723.8	1714.8	1711.2	1718.4	1714.8	1691.5
32.5°	1680.7	1677.2	1680.7	1680.7	1677.2	1677.2	1662.8	1657.4	1659.2	1669.9	1648.5
35°	1625.1	1619.7	1625.1	1623.3	1625.1	1619.7	1610.7	1609.0	1601.8	1614.4	1598.2
37.5°	1560.6	1555.2	1560.6	1560.6	1560.6	1564.1	1557.0	1551.5	1540.9	1557.0	1544.4
40°	1494.1	1487.0	1494.1	1492.4	1494.1	1497.8	1494.1	1490.6	1479.8	1492.4	1481.7
42.5°	1418.8	1417.0	1418.8	1420.7	1420.7	1427.8	1433.2	1426.0	1422.5	1413.5	1420.7
45°	1338.1	1334.6	1338.1	1341.7	1343.5	1347.1	1363.3	1363.3	1357.8	1343.5	1354.3
47.5°	1252.0	1243.1	1252.0	1262.8	1262.8	1268.1	1284.3	1296.8	1287.9	1269.9	1275.4
50°	1160.5	1162.3	1160.5	1167.7	1167.7	1187.5	1200.0	1212.6	1221.5	1200.0	1174.9
52.5°	1070.9	1069.1	1070.9	1076.2	1083.4	1092.3	1113.9	1126.5	1140.8	1128.3	1088.8
55°	981.2	984.7	981.2	983.0	986.5	992.0	1024.2	1036.8	1063.7	1047.5	1006.3
57.5°	891.5	886.1	891.5	895.1	896.8	902.3	929.1	952.5	968.6	970.4	920.2
60°	787.5	780.2	787.5	803.6	807.2	810.8	835.9	857.4	871.8	877.1	825.1
62.5°	696.0	683.4	696.0	706.7	713.9	722.9	740.8	773.1	785.7	787.5	713.9
65°	599.1	593.7	599.1	620.7	622.4	633.2	652.9	676.2	703.1	699.6	593.7
67.5°	511.2	511.2	511.2	525.5	536.3	541.7	566.8	577.6	611.7	615.2	495.0
70°	430.5	428.7	430.5	441.3	448.4	461.0	484.4	496.8	523.7	532.8	401.8
72.5°	353.4	351.6	353.4	362.3	369.5	380.3	400.0	414.4	437.6	448.4	312.1
75°	285.2	281.6	285.2	292.4	290.6	304.9	321.1	335.5	357.0	364.1	231.4
77.5°	218.9	218.9	218.9	226.0	226.0	240.3	247.6	265.5	278.1	288.7	170.4
80°	163.2	161.5	163.2	165.0	165.0	172.2	184.7	197.3	208.1	208.1	116.6
82.5°	114.8	111.2	114.8	114.8	114.8	118.4	125.5	129.2	136.3	141.7	73.5
85°	71.8	71.8	71.8	73.5	71.8	75.3	77.1	80.7	80.7	77.1	44.8
87.5°	46.6	44.8	46.6	44.8	44.8	43.1	43.1	43.1	41.3	39.5	25.1
90°	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.9	36.9	24.9	15.8
92.5°	85.9	68.9	85.9	103.0	107.3	152.1	211.8	241.7	212.2	153.2	109.0
95°	299.6	247.9	299.6	351.3	364.2	478.3	630.4	706.5	596.7	377.1	212.4
97.5°	717.9	619.5	717.9	816.3	840.9	913.0	1009.2	1057.2	874.1	507.9	233.3
100°	1034.3	917.1	1034.3	1151.5	1180.9	1175.6	1168.6	1165.0	961.8	555.5	250.7
102.5°	1345.6	1245.2	1345.6	1446.1	1471.2	1379.3	1256.8	1195.5	989.5	577.4	268.3
105°	1742.5	1688.6	1742.5	1796.5	1810.0	1604.0	1329.5	1192.2	992.7	593.6	294.3
107.5°	2002.6	2015.6	2002.6	1989.5	1986.2	1698.9	1315.9	1124.4	948.4	596.6	332.6
110°	2101.7	2157.9	2101.7	2045.4	2031.4	1710.2	1282.0	1067.9	909.3	592.1	354.1



TEST NUMBER: P935263

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2110.5	2196.8	2110.5	2024.1	2002.6	1673.9	1235.6	1016.5	875.1	592.2	380.1
115°	2054.5	2174.3	2054.5	1934.9	1904.9	1588.3	1166.0	954.9	835.8	597.7	419.0
117.5°	1935.9	2068.7	1935.9	1803.1	1769.9	1484.1	1103.1	912.6	811.3	608.7	456.8
120°	1840.3	1969.3	1840.3	1711.2	1679.0	1417.8	1069.7	895.7	803.1	617.9	478.9
122.5°	1747.1	1874.4	1747.1	1619.9	1588.0	1352.9	1039.5	882.7	798.7	630.8	504.9
125°	1614.3	1731.5	1614.3	1497.1	1467.8	1268.0	1001.7	868.6	795.2	648.4	538.2
127.5°	1494.9	1593.7	1494.9	1395.9	1371.2	1199.7	971.1	856.7	793.1	665.8	570.4
130°	1424.5	1515.8	1424.5	1333.0	1310.2	1157.5	953.9	852.2	794.4	678.7	591.9
132.5°	1360.5	1442.4	1360.5	1278.7	1258.3	1121.6	939.4	848.2	795.2	689.0	609.4
135°	1273.0	1343.5	1273.0	1202.5	1184.9	1070.4	917.7	841.4	794.4	700.3	629.7
137.5°	1202.8	1260.5	1202.8	1145.0	1130.6	1033.9	904.9	840.4	799.3	717.2	655.7
140°	1154.6	1208.6	1154.6	1100.6	1087.1	1003.6	892.1	836.4	800.1	727.6	673.2
142.5°	1114.7	1161.1	1114.7	1068.2	1056.6	983.2	885.3	836.4	803.0	736.3	686.2
145°	1054.9	1090.0	1054.9	1019.7	1010.9	950.9	870.8	830.8	803.1	747.6	705.9
147.5°	1008.9	1038.0	1008.9	979.7	972.5	925.3	862.3	830.8	808.5	764.0	730.7
150°	979.9	1003.6	979.9	956.3	950.4	910.5	857.4	830.8	811.4	772.7	743.8
152.5°	955.2	973.0	955.2	937.4	932.9	898.9	853.5	830.8	813.3	778.4	752.3
155°	926.8	938.6	926.8	915.0	912.0	885.0	848.9	830.8	817.5	790.8	770.8
157.5°	904.3	912.6	904.3	896.1	894.0	872.9	844.8	830.8	821.6	803.2	789.5
160°	890.9	895.7	890.9	886.2	885.0	866.9	842.8	830.8	823.5	808.9	798.0
162.5°	882.1	886.6	882.1	877.6	876.5	861.3	840.9	830.8	825.5	814.9	807.0
165°	869.5	874.2	869.5	864.7	863.5	852.6	838.0	830.8	828.4	823.6	820.0
167.5°	860.4	862.3	860.4	858.4	857.8	850.7	841.2	836.4	834.4	830.3	827.3
170°	857.8	857.8	857.8	857.8	857.8	850.7	841.2	836.4	836.3	836.0	835.8
172.5°	851.1	849.4	851.1	852.8	853.3	847.7	840.2	836.4	836.4	836.4	836.4
175°	847.1	847.1	847.1	847.1	847.1	843.5	838.7	836.4	837.5	839.7	841.4
177.5°	843.4	841.4	843.4	845.4	846.0	843.2	839.4	837.5	838.5	840.2	841.4
180°	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4



TEST NUMBER: P935263

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-400K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1922.9	1912.2	1912.2	1894.1	1887.0	1881.6	1872.7	1845.7	1838.6	1831.4	1842.2
5°	1939.0	1919.3	1904.9	1872.7	1845.7	1835.0	1800.9	1736.4	1693.3	1661.0	1643.0
7.5°	1942.7	1917.5	1890.6	1840.4	1775.8	1747.1	1643.0	1524.7	1492.4	1463.6	1445.7
10°	1939.0	1910.3	1872.7	1797.3	1644.9	1594.6	1490.6	1413.5	1393.8	1388.3	1393.8
12.5°	1926.5	1899.6	1847.5	1722.0	1508.5	1474.4	1413.5	1368.6	1365.1	1374.0	1422.5
15°	1904.9	1879.8	1818.8	1621.5	1433.2	1408.1	1365.1	1348.9	1368.6	1431.4	1576.7
17.5°	1883.5	1854.7	1779.4	1522.8	1375.8	1357.8	1327.3	1359.6	1470.9	1555.2	1603.6
20°	1854.7	1820.6	1734.6	1451.2	1334.6	1318.4	1304.1	1449.3	1533.6	1564.1	1591.0
22.5°	1820.6	1784.8	1673.6	1400.9	1291.5	1278.9	1287.9	1499.6	1533.6	1555.2	1578.5
25°	1775.8	1745.3	1601.8	1361.5	1257.4	1243.1	1277.2	1494.1	1513.9	1519.3	1565.9
27.5°	1734.6	1695.1	1526.5	1325.6	1216.2	1210.7	1286.1	1470.9	1485.2	1490.6	1540.9
30°	1684.3	1625.1	1442.2	1287.9	1173.1	1171.3	1287.9	1442.2	1438.6	1453.0	1503.1
32.5°	1632.3	1521.1	1347.1	1241.2	1131.8	1130.1	1275.4	1399.1	1395.5	1415.2	1453.0
35°	1583.9	1440.4	1218.0	1187.5	1079.9	1081.6	1244.9	1348.9	1350.7	1368.6	1392.0
37.5°	1533.6	1370.4	1076.2	1128.3	1029.6	1029.6	1203.6	1302.3	1298.6	1304.1	1336.3
40°	1474.4	1261.0	950.7	1051.2	983.0	977.6	1153.4	1252.0	1239.4	1237.7	1282.5
42.5°	1411.7	1140.8	857.4	948.9	929.1	922.0	1092.3	1191.0	1167.7	1173.1	1230.5
45°	1343.5	1108.6	785.7	801.8	873.6	868.1	1026.0	1121.0	1104.9	1119.3	1178.5
47.5°	1275.4	1043.9	762.3	665.5	814.4	812.6	952.5	1052.9	1043.9	1058.3	1121.0
50°	1182.0	972.2	760.5	570.4	748.0	755.2	864.6	986.5	986.5	999.1	1065.5
52.5°	1061.8	884.3	690.5	516.6	670.8	692.4	787.5	929.1	932.8	945.3	1004.5
55°	952.5	792.8	640.4	475.3	579.4	626.0	712.1	870.0	877.1	889.7	943.5
57.5°	852.0	660.1	629.6	426.9	495.0	539.9	645.7	812.6	816.2	827.0	878.9
60°	744.4	477.1	577.6	374.9	421.5	455.6	584.7	744.4	757.0	764.1	808.9
62.5°	622.4	346.2	523.7	339.0	385.7	392.8	534.5	679.9	696.0	701.3	728.3
65°	443.1	290.6	444.9	308.5	347.9	349.8	480.7	613.4	627.8	636.8	656.5
67.5°	299.5	236.8	339.0	279.8	319.3	321.1	428.7	536.3	556.0	563.2	575.8
70°	208.1	157.9	251.1	249.4	287.0	290.6	373.1	466.3	484.4	489.7	496.8
72.5°	152.4	127.4	208.1	224.2	252.9	256.5	315.7	387.4	405.4	410.8	414.4
75°	116.6	134.5	168.6	195.5	215.2	217.1	258.3	315.7	328.2	331.8	333.6
77.5°	93.2	125.5	123.7	157.9	175.8	172.2	202.7	243.9	254.7	254.7	254.7
80°	70.0	98.7	93.2	113.0	129.2	125.5	145.3	174.0	177.6	181.1	179.4
82.5°	52.0	62.8	62.8	71.8	86.1	82.6	96.9	113.0	113.0	113.0	116.6
85°	32.3	35.8	28.7	37.7	48.4	46.6	53.9	61.0	62.8	62.8	59.2
87.5°	19.7	16.1	9.0	14.4	21.5	21.5	25.1	26.9	25.1	25.1	25.1
90°	14.7	10.1	5.6	10.1	14.7	15.8	24.9	36.9	42.9	38.1	28.6
92.5°	99.4	61.0	22.6	61.0	99.4	109.0	153.2	212.2	241.7	211.8	152.1
95°	194.8	124.5	54.2	124.5	194.8	212.4	377.1	596.7	706.5	630.4	478.3
97.5°	217.8	155.8	93.8	155.8	217.8	233.3	507.9	874.1	1057.2	1009.2	913.0
100°	236.7	180.5	124.3	180.5	236.7	250.7	555.5	961.8	1165.0	1168.6	1175.6
102.5°	255.2	202.8	150.3	202.8	255.2	268.3	577.4	989.5	1195.5	1256.8	1379.3
105°	283.1	238.7	194.2	238.7	283.1	294.3	593.6	992.7	1192.2	1329.5	1604.0
107.5°	322.3	280.9	239.4	280.9	322.3	332.6	596.6	948.4	1124.4	1315.9	1698.9
110°	344.8	307.3	269.9	307.3	344.8	354.1	592.1	909.3	1067.9	1282.0	1710.2



TEST NUMBER: P935263

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	371.2	335.5	299.9	335.5	371.2	380.1	592.2	875.1	1016.5	1235.6	1673.9
115°	410.8	377.9	345.0	377.9	410.8	419.0	597.7	835.8	954.9	1166.0	1588.3
117.5°	449.4	419.5	389.7	419.5	449.4	456.8	608.7	811.3	912.6	1103.1	1484.1
120°	471.9	443.8	415.6	443.8	471.9	478.9	617.9	803.1	895.7	1069.7	1417.8
122.5°	497.8	469.4	441.1	469.4	497.8	504.9	630.8	798.7	882.7	1039.5	1352.9
125°	531.8	505.9	480.0	505.9	531.8	538.2	648.4	795.2	868.6	1001.7	1268.0
127.5°	563.9	537.8	511.7	537.8	563.9	570.4	665.8	793.1	856.7	971.1	1199.7
130°	584.8	556.8	528.6	556.8	584.8	591.9	678.7	794.4	852.2	953.9	1157.5
132.5°	602.3	574.2	546.1	574.2	602.3	609.4	689.0	795.2	848.2	939.4	1121.6
135°	623.3	597.7	572.1	597.7	623.3	629.7	700.3	794.4	841.4	917.7	1070.4
137.5°	649.4	623.9	598.6	623.9	649.4	655.7	717.2	799.3	840.4	904.9	1033.9
140°	667.4	644.0	620.7	644.0	667.4	673.2	727.6	800.1	836.4	892.1	1003.6
142.5°	680.8	659.2	637.6	659.2	680.8	686.2	736.3	803.0	836.4	885.3	983.2
145°	701.2	682.4	663.6	682.4	701.2	705.9	747.6	803.1	830.8	870.8	950.9
147.5°	726.1	707.8	689.6	707.8	726.1	730.7	764.0	808.5	830.8	862.3	925.3
150°	739.6	723.0	706.5	723.0	739.6	743.8	772.7	811.4	830.8	857.4	910.5
152.5°	749.1	736.6	724.0	736.6	749.1	752.3	778.4	813.3	830.8	853.5	898.9
155°	768.5	759.2	750.0	759.2	768.5	770.8	790.8	817.5	830.8	848.9	885.0
157.5°	787.2	778.3	769.2	778.3	787.2	789.5	803.2	821.6	830.8	844.8	872.9
160°	796.3	789.2	782.1	789.2	796.3	798.0	808.9	823.5	830.8	842.8	866.9
162.5°	805.7	800.4	795.2	800.4	805.7	807.0	814.9	825.5	830.8	840.9	861.3
165°	818.8	814.0	809.3	814.0	818.8	820.0	823.6	828.4	830.8	838.0	852.6
167.5°	826.8	824.5	822.2	824.5	826.8	827.3	830.3	834.4	836.4	841.2	850.7
170°	835.3	833.0	830.8	833.0	835.3	835.8	836.0	836.3	836.4	841.2	850.7
172.5°	836.3	835.7	835.3	835.7	836.3	836.4	836.4	836.4	836.4	840.2	847.7
175°	841.4	841.4	841.4	841.4	841.4	841.4	839.7	837.5	836.4	838.7	843.5
177.5°	841.4	841.4	841.4	841.4	841.4	841.4	840.2	838.5	837.5	839.4	843.2
180°	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4



TEST NUMBER: P935263

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1829.6	1824.3	1831.4	1811.7	1831.4	1824.3	1829.6	1842.2	1831.4	1838.6	1845.7
5°	1605.4	1596.4	1567.7	1544.4	1567.7	1596.4	1605.4	1643.0	1661.0	1693.3	1736.4
7.5°	1435.0	1427.8	1420.7	1406.3	1420.7	1427.8	1435.0	1445.7	1463.6	1492.4	1524.7
10°	1397.3	1399.1	1409.9	1408.1	1409.9	1399.1	1397.3	1393.8	1388.3	1393.8	1413.5
12.5°	1494.1	1510.4	1569.5	1565.9	1569.5	1510.4	1494.1	1422.5	1374.0	1365.1	1368.6
15°	1605.4	1610.7	1623.3	1625.1	1623.3	1610.7	1605.4	1576.7	1431.4	1368.6	1348.9
17.5°	1616.2	1618.0	1626.9	1626.9	1626.9	1618.0	1616.2	1603.6	1555.2	1470.9	1359.6
20°	1607.2	1610.7	1628.7	1632.3	1628.7	1610.7	1607.2	1591.0	1564.1	1533.6	1449.3
22.5°	1603.6	1610.7	1625.1	1623.3	1625.1	1610.7	1603.6	1578.5	1555.2	1533.6	1499.6
25°	1585.7	1585.7	1587.5	1589.3	1587.5	1585.7	1585.7	1565.9	1519.3	1513.9	1494.1
27.5°	1548.0	1551.5	1562.3	1560.6	1562.3	1551.5	1548.0	1540.9	1490.6	1485.2	1470.9
30°	1513.9	1510.4	1501.4	1494.1	1501.4	1510.4	1513.9	1503.1	1453.0	1438.6	1442.2
32.5°	1456.5	1447.5	1438.6	1433.2	1438.6	1447.5	1456.5	1453.0	1415.2	1395.5	1399.1
35°	1388.3	1390.1	1388.3	1383.0	1388.3	1390.1	1388.3	1392.0	1368.6	1350.7	1348.9
37.5°	1339.9	1343.5	1341.7	1334.6	1341.7	1343.5	1339.9	1336.3	1304.1	1298.6	1302.3
40°	1289.7	1291.5	1289.7	1284.3	1289.7	1291.5	1289.7	1282.5	1237.7	1239.4	1252.0
42.5°	1241.2	1239.4	1234.1	1230.5	1234.1	1239.4	1241.2	1230.5	1173.1	1167.7	1191.0
45°	1185.7	1187.5	1176.7	1171.3	1176.7	1187.5	1185.7	1178.5	1119.3	1104.9	1121.0
47.5°	1130.1	1130.1	1121.0	1115.7	1121.0	1130.1	1130.1	1121.0	1058.3	1043.9	1052.9
50°	1070.9	1069.1	1056.5	1054.7	1056.5	1069.1	1070.9	1065.5	999.1	986.5	986.5
52.5°	1002.7	1002.7	1004.5	1008.1	1004.5	1002.7	1002.7	1004.5	945.3	932.8	929.1
55°	943.5	945.3	957.8	961.5	957.8	945.3	943.5	943.5	889.7	877.1	870.0
57.5°	882.5	882.5	891.5	891.5	891.5	882.5	882.5	878.9	827.0	816.2	812.6
60°	812.6	816.2	823.3	821.5	823.3	816.2	812.6	808.9	764.1	757.0	744.4
62.5°	739.0	742.6	744.4	740.8	744.4	742.6	739.0	728.3	701.3	696.0	679.9
65°	661.9	665.5	667.3	663.7	667.3	665.5	661.9	656.5	636.8	627.8	613.4
67.5°	582.9	581.2	579.4	586.5	579.4	581.2	582.9	575.8	563.2	556.0	536.3
70°	502.3	502.3	500.5	504.0	500.5	502.3	502.3	496.8	489.7	484.4	466.3
72.5°	416.1	414.4	421.5	416.1	421.5	414.4	416.1	414.4	410.8	405.4	387.4
75°	331.8	335.5	331.8	337.3	331.8	335.5	331.8	333.6	331.8	328.2	315.7
77.5°	252.9	256.5	252.9	252.9	252.9	256.5	252.9	254.7	254.7	254.7	243.9
80°	179.4	177.6	177.6	175.8	177.6	177.6	179.4	179.4	181.1	177.6	174.0
82.5°	114.8	113.0	113.0	116.6	113.0	113.0	114.8	116.6	113.0	113.0	113.0
85°	62.8	64.5	61.0	61.0	61.0	64.5	62.8	59.2	62.8	62.8	61.0
87.5°	23.4	21.5	21.5	21.5	21.5	21.5	23.4	25.1	25.1	25.1	26.9
90°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.9	36.9
92.5°	107.3	103.0	85.9	68.9	85.9	103.0	107.3	152.1	211.8	241.7	212.2
95°	364.2	351.3	299.6	247.9	299.6	351.3	364.2	478.3	630.4	706.5	596.7
97.5°	840.9	816.3	717.9	619.5	717.9	816.3	840.9	913.0	1009.2	1057.2	874.1
100°	1180.9	1151.5	1034.3	917.1	1034.3	1151.5	1180.9	1175.6	1168.6	1165.0	961.8
102.5°	1471.2	1446.1	1345.6	1245.2	1345.6	1446.1	1471.2	1379.3	1256.8	1195.5	989.5
105°	1810.0	1796.5	1742.5	1688.6	1742.5	1796.5	1810.0	1604.0	1329.5	1192.2	992.7
107.5°	1986.2	1989.5	2002.6	2015.6	2002.6	1989.5	1986.2	1698.9	1315.9	1124.4	948.4
110°	2031.4	2045.4	2101.7	2157.9	2101.7	2045.4	2031.4	1710.2	1282.0	1067.9	909.3



TEST NUMBER: P935263

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2002.6	2024.1	2110.5	2196.8	2110.5	2024.1	2002.6	1673.9	1235.6	1016.5	875.1
115°	1904.9	1934.9	2054.5	2174.3	2054.5	1934.9	1904.9	1588.3	1166.0	954.9	835.8
117.5°	1769.9	1803.1	1935.9	2068.7	1935.9	1803.1	1769.9	1484.1	1103.1	912.6	811.3
120°	1679.0	1711.2	1840.3	1969.3	1840.3	1711.2	1679.0	1417.8	1069.7	895.7	803.1
122.5°	1588.0	1619.9	1747.1	1874.4	1747.1	1619.9	1588.0	1352.9	1039.5	882.7	798.7
125°	1467.8	1497.1	1614.3	1731.5	1614.3	1497.1	1467.8	1268.0	1001.7	868.6	795.2
127.5°	1371.2	1395.9	1494.9	1593.7	1494.9	1395.9	1371.2	1199.7	971.1	856.7	793.1
130°	1310.2	1333.0	1424.5	1515.8	1424.5	1333.0	1310.2	1157.5	953.9	852.2	794.4
132.5°	1258.3	1278.7	1360.5	1442.4	1360.5	1278.7	1258.3	1121.6	939.4	848.2	795.2
135°	1184.9	1202.5	1273.0	1343.5	1273.0	1202.5	1184.9	1070.4	917.7	841.4	794.4
137.5°	1130.6	1145.0	1202.8	1260.5	1202.8	1145.0	1130.6	1033.9	904.9	840.4	799.3
140°	1087.1	1100.6	1154.6	1208.6	1154.6	1100.6	1087.1	1003.6	892.1	836.4	800.1
142.5°	1056.6	1068.2	1114.7	1161.1	1114.7	1068.2	1056.6	983.2	885.3	836.4	803.0
145°	1010.9	1019.7	1054.9	1090.0	1054.9	1019.7	1010.9	950.9	870.8	830.8	803.1
147.5°	972.5	979.7	1008.9	1038.0	1008.9	979.7	972.5	925.3	862.3	830.8	808.5
150°	950.4	956.3	979.9	1003.6	979.9	956.3	950.4	910.5	857.4	830.8	811.4
152.5°	932.9	937.4	955.2	973.0	955.2	937.4	932.9	898.9	853.5	830.8	813.3
155°	912.0	915.0	926.8	938.6	926.8	915.0	912.0	885.0	848.9	830.8	817.5
157.5°	894.0	896.1	904.3	912.6	904.3	896.1	894.0	872.9	844.8	830.8	821.6
160°	885.0	886.2	890.9	895.7	890.9	886.2	885.0	866.9	842.8	830.8	823.5
162.5°	876.5	877.6	882.1	886.6	882.1	877.6	876.5	861.3	840.9	830.8	825.5
165°	863.5	864.7	869.5	874.2	869.5	864.7	863.5	852.6	838.0	830.8	828.4
167.5°	857.8	858.4	860.4	862.3	860.4	858.4	857.8	850.7	841.2	836.4	834.4
170°	857.8	857.8	857.8	857.8	857.8	857.8	857.8	850.7	841.2	836.4	836.3
172.5°	853.3	852.8	851.1	849.4	851.1	852.8	853.3	847.7	840.2	836.4	836.4
175°	847.1	847.1	847.1	847.1	847.1	847.1	847.1	843.5	838.7	836.4	837.5
177.5°	846.0	845.4	843.4	841.4	843.4	845.4	846.0	843.2	839.4	837.5	838.5
180°	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4



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CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1872.7	1881.6	1887.0	1894.1	1912.2
5°	1800.9	1835.0	1845.7	1872.7	1904.9
7.5°	1643.0	1747.1	1775.8	1840.4	1890.6
10°	1490.6	1594.6	1644.9	1797.3	1872.7
12.5°	1413.5	1474.4	1508.5	1722.0	1847.5
15°	1365.1	1408.1	1433.2	1621.5	1818.8
17.5°	1327.3	1357.8	1375.8	1522.8	1779.4
20°	1304.1	1318.4	1334.6	1451.2	1734.6
22.5°	1287.9	1278.9	1291.5	1400.9	1673.6
25°	1277.2	1243.1	1257.4	1361.5	1601.8
27.5°	1286.1	1210.7	1216.2	1325.6	1526.5
30°	1287.9	1171.3	1173.1	1287.9	1442.2
32.5°	1275.4	1130.1	1131.8	1241.2	1347.1
35°	1244.9	1081.6	1079.9	1187.5	1218.0
37.5°	1203.6	1029.6	1029.6	1128.3	1076.2
40°	1153.4	977.6	983.0	1051.2	950.7
42.5°	1092.3	922.0	929.1	948.9	857.4
45°	1026.0	868.1	873.6	801.8	785.7
47.5°	952.5	812.6	814.4	665.5	762.3
50°	864.6	755.2	748.0	570.4	760.5
52.5°	787.5	692.4	670.8	516.6	690.5
55°	712.1	626.0	579.4	475.3	640.4
57.5°	645.7	539.9	495.0	426.9	629.6
60°	584.7	455.6	421.5	374.9	577.6
62.5°	534.5	392.8	385.7	339.0	523.7
65°	480.7	349.8	347.9	308.5	444.9
67.5°	428.7	321.1	319.3	279.8	339.0
70°	373.1	290.6	287.0	249.4	251.1
72.5°	315.7	256.5	252.9	224.2	208.1
75°	258.3	217.1	215.2	195.5	168.6
77.5°	202.7	172.2	175.8	157.9	123.7
80°	145.3	125.5	129.2	113.0	93.2
82.5°	96.9	82.6	86.1	71.8	62.8
85°	53.9	46.6	48.4	37.7	28.7
87.5°	25.1	21.5	21.5	14.4	9.0
90°	24.9	15.8	14.7	10.1	5.6
92.5°	153.2	109.0	99.4	61.0	22.6
95°	377.1	212.4	194.8	124.5	54.2
97.5°	507.9	233.3	217.8	155.8	93.8
100°	555.5	250.7	236.7	180.5	124.3
102.5°	577.4	268.3	255.2	202.8	150.3
105°	593.6	294.3	283.1	238.7	194.2
107.5°	596.6	332.6	322.3	280.9	239.4
110°	592.1	354.1	344.8	307.3	269.9



TEST NUMBER: P935263

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	592.2	380.1	371.2	335.5	299.9
115°	597.7	419.0	410.8	377.9	345.0
117.5°	608.7	456.8	449.4	419.5	389.7
120°	617.9	478.9	471.9	443.8	415.6
122.5°	630.8	504.9	497.8	469.4	441.1
125°	648.4	538.2	531.8	505.9	480.0
127.5°	665.8	570.4	563.9	537.8	511.7
130°	678.7	591.9	584.8	556.8	528.6
132.5°	689.0	609.4	602.3	574.2	546.1
135°	700.3	629.7	623.3	597.7	572.1
137.5°	717.2	655.7	649.4	623.9	598.6
140°	727.6	673.2	667.4	644.0	620.7
142.5°	736.3	686.2	680.8	659.2	637.6
145°	747.6	705.9	701.2	682.4	663.6
147.5°	764.0	730.7	726.1	707.8	689.6
150°	772.7	743.8	739.6	723.0	706.5
152.5°	778.4	752.3	749.1	736.6	724.0
155°	790.8	770.8	768.5	759.2	750.0
157.5°	803.2	789.5	787.2	778.3	769.2
160°	808.9	798.0	796.3	789.2	782.1
162.5°	814.9	807.0	805.7	800.4	795.2
165°	823.6	820.0	818.8	814.0	809.3
167.5°	830.3	827.3	826.8	824.5	822.2
170°	836.0	835.8	835.3	833.0	830.8
172.5°	836.4	836.4	836.3	835.7	835.3
175°	839.7	841.4	841.4	841.4	841.4
177.5°	840.2	841.4	841.4	841.4	841.4
180°	841.4	841.4	841.4	841.4	841.4



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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	13.11	13.95	14.09	14.94	16.25	15.94	16.78	16.92	17.77	19.08
	3H	13.59	14.34	14.58	15.34	16.67	17.28	18.03	18.27	19.03	20.36
	4H	13.78	14.49	14.78	15.49	16.83	17.72	18.43	18.72	19.44	20.77
	6H	13.90	14.55	14.91	15.56	16.91	18.00	18.66	19.02	19.67	21.02
	8H	13.90	14.52	14.92	15.55	16.89	18.08	18.70	19.10	19.73	21.07
	12H	13.87	14.46	14.89	15.48	16.85	18.11	18.71	19.14	19.73	21.10
4H	2H	14.14	14.85	15.15	15.86	17.19	16.34	17.06	17.35	18.06	19.40
	3H	15.17	15.76	16.18	16.79	18.14	17.85	18.44	18.86	19.47	20.82
	4H	15.44	15.98	16.47	17.01	18.38	18.37	18.91	19.40	19.94	21.31
	6H	15.57	16.03	16.60	17.08	18.45	18.73	19.20	19.77	20.25	21.62
	8H	15.57	16.01	16.61	17.05	18.43	18.84	19.28	19.88	20.32	21.70
	12H	15.54	15.93	16.59	16.99	18.38	18.89	19.29	19.95	20.34	21.74
8H	4H	15.89	16.33	16.93	17.37	18.75	18.49	18.93	19.53	19.97	21.36
	6H	16.15	16.51	17.21	17.60	18.98	18.93	19.29	19.99	20.37	21.76
	8H	16.20	16.51	17.26	17.58	18.98	19.08	19.40	20.15	20.46	21.87
	12H	16.18	16.46	17.25	17.52	18.96	19.18	19.45	20.25	20.52	21.96
12H	4H	15.90	16.29	16.95	17.35	18.74	18.46	18.85	19.51	19.91	21.30
	6H	16.21	16.53	17.28	17.60	19.00	18.93	19.24	19.99	20.31	21.71
	8H	16.28	16.56	17.35	17.62	19.06	19.09	19.36	20.16	20.43	21.87