

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: P934209

Luminaire Tested: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934209
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

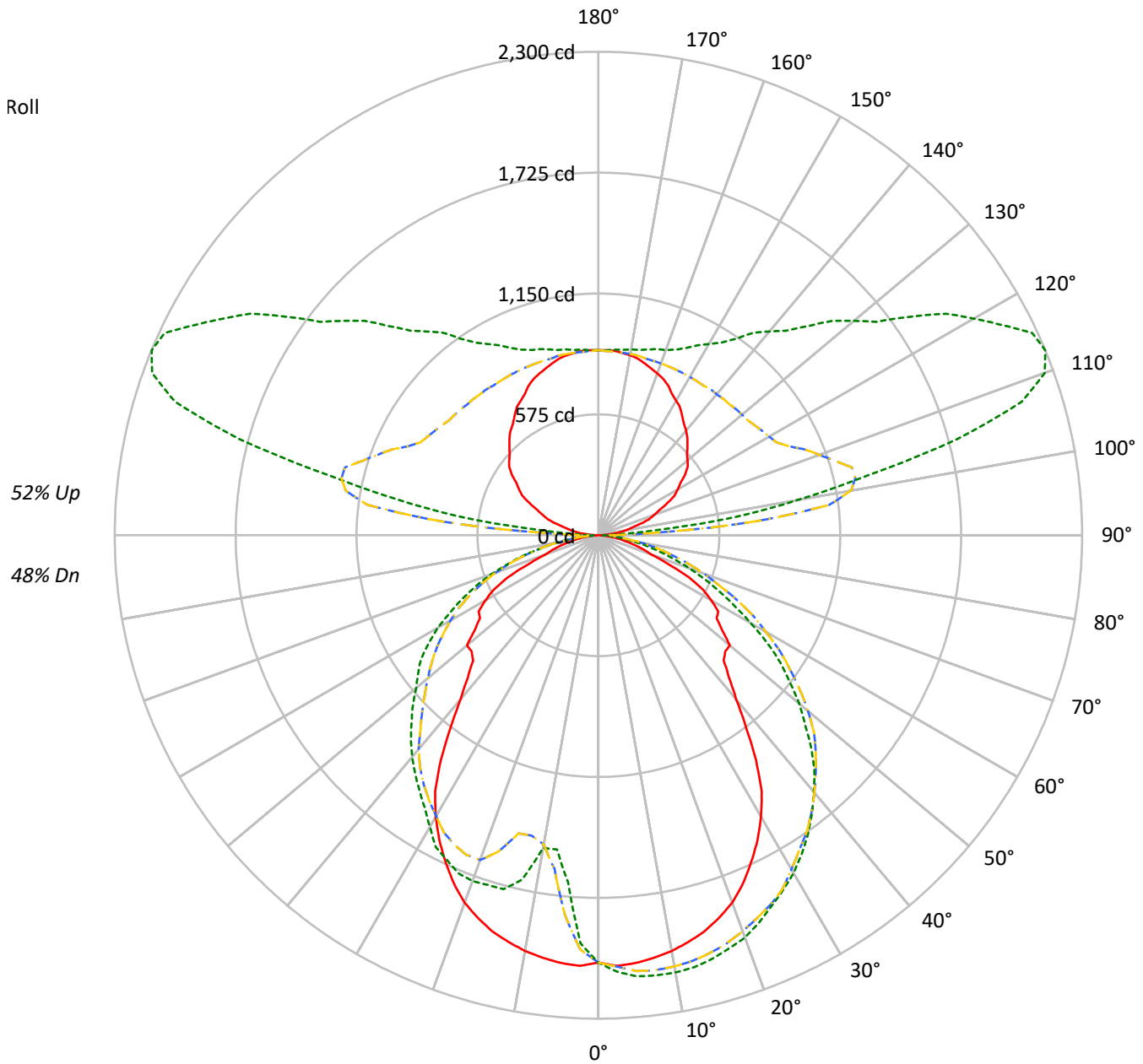
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10984.4 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 85.2
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

TEST NUMBER: P934209
CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	50	30	10	50	30	10	50	30	10	0																								
RCR																																																						
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48																	
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41															
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34															
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29														
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25													
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21												
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19												
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17												
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15											
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13										
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12										

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6288	6288	6288	6288
5°	6338	6348	6338	4991
10°	6298	6253	6298	4470
15°	6231	6117	6231	5108
20°	6104	5957	6104	5119
25°	5839	5723	5839	5010
30°	5497	5529	5497	4773
35°	4903	5283	4903	4510
40°	4087	4993	4087	4313
45°	3654	4655	3654	4085
50°	3886	4250	3886	3857
55°	3660	3816	3660	3725
60°	3777	3241	3777	3412
65°	3430	2679	3430	2994
70°	2381	2135	2381	2510
75°	2096	1578	2096	1890
80°	1701	1043	1701	1136
85°	998	553	998	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5598 cd/sqm



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	1.7
10°-20°	521.1	4.7
20°-30°	805.5	7.3
30°-40°	961.6	8.8
40°-50°	967.2	8.8
50°-60°	841.6	7.7
60°-70°	596.7	5.4
70°-80°	315.7	2.9
80°-90°	82.0	0.7
90°-100°	429.3	3.9
100°-110°	1128.7	10.3
110°-120°	1170.4	10.7
120°-130°	938.8	8.5
130°-140°	736.6	6.7
140°-150°	565.4	5.1
150°-160°	407.2	3.7
160°-170°	249.1	2.3
170°-180°	84.2	0.8
0°-30°	1510.0	13.7
0°-40°	2471.6	22.5
0°-60°	4280.4	39.0
0°-90°	5274.7	48.0
90°-120°	2728.4	24.8
90°-150°	4969.2	45.2
90°-180°	5710.0	52.0
0°-180°	10984.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2033	2033	2033	2033	2033	
5°	2043	2106	2043	1656	2043	194
15°	1950	2087	1950	1743	1950	549
25°	1718	1946	1718	1704	1718	789
35°	1306	1737	1306	1483	1306	808
45°	842	1431	842	1256	842	675
55°	687	1056	687	1031	687	631
65°	477	637	477	712	477	456
75°	181	302	181	362	181	190
85°	31	77	31	65	31	42
90°	6	22	6	22	6	6
95°	57	260	57	260	57	63
105°	203	1768	203	1768	203	216
115°	361	2276	361	2276	361	357
125°	502	1812	502	1812	502	446
135°	599	1406	599	1406	599	463
145°	694	1141	694	1141	694	435
155°	785	982	785	982	785	361
165°	847	915	847	915	847	239
175°	881	887	881	887	881	84
180°	881	881	881	881	881	



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2050.3	2050.3	2061.9	2065.7	2065.7	2060.0	2054.3	2060.0	2077.3	2083.0	2081.1
5°	2042.7	2058.1	2079.2	2083.0	2086.9	2085.0	2081.1	2085.0	2104.3	2108.1	2110.0
7.5°	2027.3	2056.2	2083.0	2088.9	2094.6	2088.9	2086.9	2090.8	2110.0	2113.8	2113.8
10°	2008.1	2048.4	2079.2	2083.0	2088.9	2083.0	2083.0	2090.8	2110.0	2113.8	2115.8
12.5°	1981.1	2036.9	2065.7	2069.6	2077.3	2075.4	2073.5	2081.1	2100.4	2104.3	2104.3
15°	1950.3	2015.7	2042.7	2046.5	2060.0	2056.2	2056.2	2063.8	2085.0	2090.8	2088.9
17.5°	1908.1	1988.9	2019.6	2025.4	2035.0	2033.0	2035.0	2042.7	2061.9	2065.7	2067.7
20°	1860.0	1952.2	1988.9	1994.6	2004.3	2004.3	2004.3	2013.8	2033.0	2040.8	2040.8
22.5°	1794.6	1913.8	1952.2	1956.2	1967.6	1967.6	1971.6	1984.9	2002.2	2004.3	2004.3
25°	1717.6	1871.5	1904.2	1915.7	1927.3	1933.0	1938.9	1946.5	1952.2	1950.3	1952.2
27.5°	1636.9	1817.6	1860.0	1867.6	1883.0	1888.8	1896.5	1898.4	1900.3	1906.1	1902.2
30°	1546.4	1742.6	1806.1	1813.8	1838.8	1842.7	1834.9	1838.8	1848.4	1852.2	1856.1
32.5°	1444.5	1631.0	1750.3	1767.6	1790.7	1779.2	1777.2	1783.0	1798.4	1798.4	1802.3
35°	1306.0	1544.5	1698.4	1713.8	1731.1	1717.6	1725.3	1727.2	1736.9	1742.6	1740.7
37.5°	1154.1	1469.5	1644.5	1656.1	1669.6	1652.3	1663.7	1669.6	1677.2	1673.4	1673.4
40°	1019.4	1352.2	1581.0	1588.8	1600.2	1586.9	1598.3	1602.3	1606.1	1602.3	1600.2
42.5°	919.4	1223.3	1513.7	1523.4	1515.6	1525.3	1529.1	1536.9	1531.0	1523.4	1523.4
45°	842.4	1188.7	1440.7	1452.2	1440.7	1456.1	1461.8	1461.8	1444.5	1440.7	1438.7
47.5°	817.5	1119.5	1367.6	1367.6	1361.8	1381.0	1390.6	1377.2	1359.9	1354.1	1354.1
50°	815.6	1042.5	1267.6	1259.8	1286.8	1309.8	1300.3	1286.8	1273.3	1252.2	1252.2
52.5°	740.5	948.3	1138.7	1167.6	1209.8	1223.3	1207.9	1194.4	1171.4	1161.7	1154.1
55°	686.7	850.2	1021.3	1079.0	1123.3	1140.6	1111.7	1098.3	1063.6	1057.9	1054.1
57.5°	675.1	707.8	913.6	986.7	1040.6	1038.7	1021.3	996.3	967.5	961.7	959.8
60°	619.4	511.7	798.3	884.8	940.5	934.8	919.4	896.3	869.4	865.6	861.7
62.5°	561.6	371.2	667.4	765.6	844.3	842.4	829.0	794.3	775.1	765.6	757.8
65°	477.0	311.6	475.1	636.7	750.2	754.0	725.1	700.2	679.0	667.4	665.5
67.5°	363.6	253.9	321.2	530.9	659.7	655.9	619.4	607.8	580.9	575.1	563.6
70°	269.3	169.3	223.1	430.9	571.3	561.6	532.8	519.3	494.3	480.9	473.1
72.5°	223.1	136.5	163.5	334.7	480.9	469.3	444.3	429.0	407.7	396.3	388.5
75°	180.8	144.3	125.0	248.1	390.4	382.8	359.6	344.3	327.0	311.6	313.5
77.5°	132.7	134.6	100.0	182.7	309.6	298.2	284.7	265.5	257.7	242.3	242.3
80°	100.0	105.8	75.0	125.0	223.1	223.1	211.6	198.1	184.6	177.0	177.0
82.5°	67.3	67.3	55.7	78.9	151.9	146.2	138.5	134.6	127.0	123.1	123.1
85°	30.8	38.4	34.6	48.1	82.7	86.5	86.5	82.7	80.8	77.0	78.9
87.5°	9.7	17.3	21.1	27.0	42.4	44.3	46.2	46.2	46.2	48.1	48.1
90°	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9	22.5	22.5
92.5°	23.6	63.8	104.0	114.1	160.3	222.1	253.0	221.7	159.2	112.3	107.8
95°	56.8	130.3	203.9	222.3	394.6	624.6	739.5	659.8	500.7	381.3	367.7
97.5°	98.1	163.0	227.9	244.2	531.6	914.9	1106.6	1056.3	955.6	880.2	854.5
100°	130.0	188.9	247.7	262.4	581.4	1006.8	1219.5	1223.1	1230.5	1236.0	1205.3
102.5°	157.3	212.1	267.0	280.8	604.3	1035.7	1251.4	1315.5	1443.7	1539.8	1513.5
105°	203.3	249.8	296.3	307.9	621.2	1039.0	1247.9	1391.6	1678.9	1894.5	1880.4
107.5°	250.7	294.0	337.4	348.2	624.5	992.8	1176.9	1377.4	1778.4	2079.0	2082.5
110°	282.6	321.7	360.9	370.6	619.7	951.8	1117.9	1341.9	1790.1	2126.2	2141.0



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	313.9	351.1	388.4	397.8	619.9	915.9	1064.0	1293.4	1752.1	2096.1	2118.7
115°	361.2	395.6	430.0	438.6	625.6	874.9	999.6	1220.5	1662.4	1993.8	2025.2
117.5°	407.8	439.1	470.4	478.2	637.2	849.2	955.2	1154.7	1553.4	1852.5	1887.2
120°	435.1	464.5	493.9	501.2	646.6	840.6	937.5	1119.8	1484.1	1757.4	1791.2
122.5°	461.7	491.4	521.0	528.5	660.3	836.0	923.9	1087.9	1416.1	1662.2	1695.5
125°	502.5	529.5	556.6	563.4	678.7	832.3	909.2	1048.5	1327.2	1536.3	1567.0
127.5°	535.6	562.9	590.2	597.0	696.9	830.1	896.7	1016.4	1255.7	1435.2	1461.2
130°	553.3	582.8	612.1	619.5	710.3	831.4	892.0	998.5	1211.6	1371.4	1395.3
132.5°	571.6	601.0	630.5	637.8	721.2	832.3	887.8	983.2	1174.0	1317.0	1338.4
135°	598.8	625.6	652.4	659.1	733.0	831.5	880.8	960.7	1120.4	1240.2	1258.7
137.5°	626.6	653.1	679.7	686.3	750.7	836.7	879.6	947.1	1082.2	1183.4	1198.5
140°	649.6	674.1	698.5	704.6	761.5	837.5	875.4	933.7	1050.5	1137.9	1152.1
142.5°	667.4	689.9	712.6	718.2	770.6	840.5	875.4	926.7	1029.1	1106.0	1118.1
145°	694.5	714.2	733.9	738.9	782.5	840.5	869.6	911.5	995.3	1058.1	1067.3
147.5°	721.8	740.9	760.1	764.9	799.8	846.3	869.6	902.6	968.5	1017.9	1025.6
150°	739.5	756.8	774.2	778.5	808.9	849.3	869.6	897.4	953.0	994.8	1001.0
152.5°	757.8	770.9	784.1	787.4	814.8	851.3	869.6	893.4	940.9	976.6	981.2
155°	785.0	794.7	804.5	806.9	827.8	855.6	869.6	888.5	926.3	954.7	957.7
157.5°	805.1	814.6	824.0	826.4	840.8	860.0	869.6	884.3	913.6	935.7	937.9
160°	818.7	826.1	833.4	835.3	846.7	861.9	869.6	882.2	907.3	926.3	927.5
162.5°	832.3	837.8	843.4	844.7	853.0	864.0	869.6	880.2	901.4	917.4	918.5
165°	847.1	852.1	857.1	858.3	862.0	867.1	869.6	877.2	892.4	903.8	905.0
167.5°	860.7	863.0	865.4	865.9	869.1	873.3	875.4	880.4	890.4	897.9	898.4
170°	869.6	871.9	874.3	874.8	875.0	875.3	875.4	880.4	890.4	897.9	897.9
172.5°	874.3	874.7	875.3	875.4	875.4	875.4	875.4	879.3	887.3	893.2	892.7
175°	880.8	880.8	880.8	880.8	878.9	876.6	875.4	877.9	883.0	886.7	886.7
177.5°	880.8	880.8	880.8	880.8	879.4	877.6	876.7	878.7	882.6	885.5	885.0
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2085.0	2079.2	2085.0	2081.1	2083.0	2077.3	2060.0	2054.3	2060.0	2065.7	2065.7
5°	2110.0	2106.2	2110.0	2110.0	2108.1	2104.3	2085.0	2081.1	2085.0	2086.9	2083.0
7.5°	2117.7	2111.9	2117.7	2113.8	2113.8	2110.0	2090.8	2086.9	2088.9	2094.6	2088.9
10°	2117.7	2111.9	2117.7	2115.8	2113.8	2110.0	2090.8	2083.0	2083.0	2088.9	2083.0
12.5°	2108.1	2104.3	2108.1	2104.3	2104.3	2100.4	2081.1	2073.5	2075.4	2077.3	2069.6
15°	2092.7	2086.9	2092.7	2088.9	2090.8	2085.0	2063.8	2056.2	2056.2	2060.0	2046.5
17.5°	2069.6	2061.9	2069.6	2067.7	2065.7	2061.9	2042.7	2035.0	2033.0	2035.0	2025.4
20°	2042.7	2036.9	2042.7	2040.8	2040.8	2033.0	2013.8	2004.3	2004.3	2004.3	1994.6
22.5°	2000.3	1994.6	2000.3	2004.3	2004.3	2002.2	1984.9	1971.6	1967.6	1967.6	1956.2
25°	1952.2	1946.5	1952.2	1952.2	1950.3	1952.2	1946.5	1938.9	1933.0	1927.3	1915.7
27.5°	1906.1	1902.2	1906.1	1902.2	1906.1	1900.3	1898.4	1896.5	1888.8	1883.0	1867.6
30°	1860.0	1856.1	1860.0	1856.1	1852.2	1848.4	1838.8	1834.9	1842.7	1838.8	1813.8
32.5°	1802.3	1798.4	1802.3	1802.3	1798.4	1798.4	1783.0	1777.2	1779.2	1790.7	1767.6
35°	1742.6	1736.9	1742.6	1740.7	1742.6	1736.9	1727.2	1725.3	1717.6	1731.1	1713.8
37.5°	1673.4	1667.6	1673.4	1673.4	1673.4	1677.2	1669.6	1663.7	1652.3	1669.6	1656.1
40°	1602.3	1594.5	1602.3	1600.2	1602.3	1606.1	1602.3	1598.3	1586.9	1600.2	1588.8
42.5°	1521.5	1519.5	1521.5	1523.4	1523.4	1531.0	1536.9	1529.1	1525.3	1515.6	1523.4
45°	1434.9	1431.0	1434.9	1438.7	1440.7	1444.5	1461.8	1461.8	1456.1	1440.7	1452.2
47.5°	1342.5	1333.0	1342.5	1354.1	1354.1	1359.9	1377.2	1390.6	1381.0	1361.8	1367.6
50°	1244.4	1246.3	1244.4	1252.2	1252.2	1273.3	1286.8	1300.3	1309.8	1286.8	1259.8
52.5°	1148.3	1146.3	1148.3	1154.1	1161.7	1171.4	1194.4	1207.9	1223.3	1209.8	1167.6
55°	1052.1	1056.0	1052.1	1054.1	1057.9	1063.6	1098.3	1111.7	1140.6	1123.3	1079.0
57.5°	955.9	950.2	955.9	959.8	961.7	967.5	996.3	1021.3	1038.7	1040.6	986.7
60°	844.3	836.7	844.3	861.7	865.6	869.4	896.3	919.4	934.8	940.5	884.8
62.5°	746.3	732.9	746.3	757.8	765.6	775.1	794.3	829.0	842.4	844.3	765.6
65°	642.4	636.7	642.4	665.5	667.4	679.0	700.2	725.1	754.0	750.2	636.7
67.5°	548.2	548.2	548.2	563.6	575.1	580.9	607.8	619.4	655.9	659.7	530.9
70°	461.7	459.7	461.7	473.1	480.9	494.3	519.3	532.8	561.6	571.3	430.9
72.5°	379.0	377.0	379.0	388.5	396.3	407.7	429.0	444.3	469.3	480.9	334.7
75°	305.8	302.0	305.8	313.5	311.6	327.0	344.3	359.6	382.8	390.4	248.1
77.5°	234.7	234.7	234.7	242.3	242.3	257.7	265.5	284.7	298.2	309.6	182.7
80°	175.0	173.1	175.0	177.0	177.0	184.6	198.1	211.6	223.1	223.1	125.0
82.5°	123.1	119.2	123.1	123.1	123.1	127.0	134.6	138.5	146.2	151.9	78.9
85°	77.0	77.0	77.0	78.9	77.0	80.8	82.7	86.5	86.5	82.7	48.1
87.5°	50.0	48.1	50.0	48.1	48.1	46.2	46.2	46.2	44.3	42.4	27.0
90°	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6	26.0	16.5
92.5°	90.0	72.1	90.0	107.8	112.3	159.2	221.7	253.0	222.1	160.3	114.1
95°	313.6	259.5	313.6	367.7	381.3	500.7	659.8	739.5	624.6	394.6	222.3
97.5°	751.4	648.5	751.4	854.5	880.2	955.6	1056.3	1106.6	914.9	531.6	244.2
100°	1082.7	960.0	1082.7	1205.3	1236.0	1230.5	1223.1	1219.5	1006.8	581.4	262.4
102.5°	1408.5	1303.4	1408.5	1513.5	1539.8	1443.7	1315.5	1251.4	1035.7	604.3	280.8
105°	1824.0	1767.5	1824.0	1880.4	1894.5	1678.9	1391.6	1247.9	1039.0	621.2	307.9
107.5°	2096.0	2109.7	2096.0	2082.5	2079.0	1778.4	1377.4	1176.9	992.8	624.5	348.2
110°	2199.8	2258.6	2199.8	2141.0	2126.2	1790.1	1341.9	1117.9	951.8	619.7	370.6



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2209.1	2299.5	2209.1	2118.7	2096.1	1752.1	1293.4	1064.0	915.9	619.9	397.8
115°	2150.5	2275.9	2150.5	2025.2	1993.8	1662.4	1220.5	999.6	874.9	625.6	438.6
117.5°	2026.2	2165.2	2026.2	1887.2	1852.5	1553.4	1154.7	955.2	849.2	637.2	478.2
120°	1926.2	2061.2	1926.2	1791.2	1757.4	1484.1	1119.8	937.5	840.6	646.6	501.2
122.5°	1828.7	1961.9	1828.7	1695.5	1662.2	1416.1	1087.9	923.9	836.0	660.3	528.5
125°	1689.6	1812.4	1689.6	1567.0	1536.3	1327.2	1048.5	909.2	832.3	678.7	563.4
127.5°	1564.6	1668.1	1564.6	1461.2	1435.2	1255.7	1016.4	896.7	830.1	696.9	597.0
130°	1491.0	1586.6	1491.0	1395.3	1371.4	1211.6	998.5	892.0	831.4	710.3	619.5
132.5°	1424.1	1509.7	1424.1	1338.4	1317.0	1174.0	983.2	887.8	832.3	721.2	637.8
135°	1332.5	1406.3	1332.5	1258.7	1240.2	1120.4	960.7	880.8	831.5	733.0	659.1
137.5°	1259.0	1319.4	1259.0	1198.5	1183.4	1082.2	947.1	879.6	836.7	750.7	686.3
140°	1208.5	1265.0	1208.5	1152.1	1137.9	1050.5	933.7	875.4	837.5	761.5	704.6
142.5°	1166.8	1215.4	1166.8	1118.1	1106.0	1029.1	926.7	875.4	840.5	770.6	718.2
145°	1104.1	1140.9	1104.1	1067.3	1058.1	995.3	911.5	869.6	840.5	782.5	738.9
147.5°	1056.0	1086.5	1056.0	1025.6	1017.9	968.5	902.6	869.6	846.3	799.8	764.9
150°	1025.7	1050.5	1025.7	1001.0	994.8	953.0	897.4	869.6	849.3	808.9	778.5
152.5°	999.9	1018.5	999.9	981.2	976.6	940.9	893.4	869.6	851.3	814.8	787.4
155°	970.1	982.5	970.1	957.7	954.7	926.3	888.5	869.6	855.6	827.8	806.9
157.5°	946.5	955.2	946.5	937.9	935.7	913.6	884.3	869.6	860.0	840.8	826.4
160°	932.6	937.5	932.6	927.5	926.3	907.3	882.2	869.6	861.9	846.7	835.3
162.5°	923.3	928.1	923.3	918.5	917.4	901.4	880.2	869.6	864.0	853.0	844.7
165°	910.1	915.1	910.1	905.0	903.8	892.4	877.2	869.6	867.1	862.0	858.3
167.5°	900.6	902.7	900.6	898.4	897.9	890.4	880.4	875.4	873.3	869.1	865.9
170°	897.9	897.9	897.9	897.9	897.9	890.4	880.4	875.4	875.3	875.0	874.8
172.5°	890.9	889.1	890.9	892.7	893.2	887.3	879.3	875.4	875.4	875.4	875.4
175°	886.7	886.7	886.7	886.7	886.7	883.0	877.9	875.4	876.6	878.9	880.8
177.5°	882.9	880.8	882.9	885.0	885.5	882.6	878.7	876.7	877.6	879.4	880.8
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2061.9	2050.3	2050.3	2031.1	2023.5	2017.6	2008.1	1979.2	1971.6	1963.8	1975.4
5°	2079.2	2058.1	2042.7	2008.1	1979.2	1967.6	1931.1	1861.9	1815.7	1781.1	1761.9
7.5°	2083.0	2056.2	2027.3	1973.5	1904.2	1873.4	1761.9	1635.0	1600.2	1569.6	1550.2
10°	2079.2	2048.4	2008.1	1927.3	1763.8	1709.9	1598.3	1515.6	1494.5	1488.8	1494.5
12.5°	2065.7	2036.9	1981.1	1846.5	1617.6	1581.0	1515.6	1467.6	1463.7	1473.4	1525.3
15°	2042.7	2015.7	1950.3	1738.8	1536.9	1509.9	1463.7	1446.4	1467.6	1534.9	1690.7
17.5°	2019.6	1988.9	1908.1	1633.0	1475.3	1456.1	1423.3	1458.0	1577.2	1667.6	1719.6
20°	1988.9	1952.2	1860.0	1556.1	1431.0	1413.7	1398.3	1554.2	1644.5	1677.2	1706.1
22.5°	1952.2	1913.8	1794.6	1502.2	1384.9	1371.4	1381.0	1608.0	1644.5	1667.6	1692.6
25°	1904.2	1871.5	1717.6	1459.9	1348.3	1333.0	1369.5	1602.3	1623.4	1629.1	1679.1
27.5°	1860.0	1817.6	1636.9	1421.4	1304.1	1298.3	1379.1	1577.2	1592.6	1598.3	1652.3
30°	1806.1	1742.6	1546.4	1381.0	1257.9	1256.0	1381.0	1546.4	1542.6	1558.0	1611.8
32.5°	1750.3	1631.0	1444.5	1331.0	1213.6	1211.7	1367.6	1500.3	1496.4	1517.6	1558.0
35°	1698.4	1544.5	1306.0	1273.3	1157.9	1159.8	1334.9	1446.4	1448.3	1467.6	1492.6
37.5°	1644.5	1469.5	1154.1	1209.8	1104.1	1104.1	1290.6	1396.4	1392.6	1398.3	1432.9
40°	1581.0	1352.2	1019.4	1127.1	1054.1	1048.3	1236.8	1342.5	1329.1	1327.2	1375.2
42.5°	1513.7	1223.3	919.4	1017.5	996.3	988.6	1171.4	1277.1	1252.2	1257.9	1319.5
45°	1440.7	1188.7	842.4	859.7	936.7	931.0	1100.2	1202.2	1184.9	1200.3	1263.7
47.5°	1367.6	1119.5	817.5	713.6	873.2	871.3	1021.3	1129.0	1119.5	1134.9	1202.2
50°	1267.6	1042.5	815.6	611.6	802.1	809.7	927.1	1057.9	1057.9	1071.4	1142.5
52.5°	1138.7	948.3	740.5	553.9	719.4	742.4	844.3	996.3	1000.2	1013.6	1077.1
55°	1021.3	850.2	686.7	509.7	621.3	671.3	763.6	932.9	940.5	954.0	1011.7
57.5°	913.6	707.8	675.1	457.7	530.9	579.0	692.4	871.3	875.1	886.7	942.5
60°	798.3	511.7	619.4	402.0	452.0	488.5	627.0	798.3	811.6	819.4	867.5
62.5°	667.4	371.2	561.6	363.6	413.6	421.2	573.2	728.9	746.3	752.1	781.0
65°	475.1	311.6	477.0	330.9	373.1	375.0	515.5	657.8	673.2	682.8	704.0
67.5°	321.2	253.9	363.6	300.1	342.3	344.3	459.7	575.1	596.3	604.0	617.4
70°	223.1	169.3	269.3	267.4	307.7	311.6	400.1	500.1	519.3	525.1	532.8
72.5°	163.5	136.5	223.1	240.4	271.2	275.0	338.5	415.5	434.7	440.4	444.3
75°	125.0	144.3	180.8	209.7	230.8	232.7	277.0	338.5	352.0	355.8	357.7
77.5°	100.0	134.6	132.7	169.3	188.5	184.6	217.4	261.6	273.1	273.1	273.1
80°	75.0	105.8	100.0	121.2	138.5	134.6	155.8	186.6	190.4	194.3	192.3
82.5°	55.7	67.3	67.3	77.0	92.3	88.5	103.8	121.2	121.2	121.2	125.0
85°	34.6	38.4	30.8	40.4	51.9	50.0	57.7	65.4	67.3	67.3	63.5
87.5°	21.1	17.3	9.7	15.4	23.0	23.0	27.0	28.9	27.0	27.0	27.0
90°	15.4	10.6	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9
92.5°	104.0	63.8	23.6	63.8	104.0	114.1	160.3	222.1	253.0	221.7	159.2
95°	203.9	130.3	56.8	130.3	203.9	222.3	394.6	624.6	739.5	659.8	500.7
97.5°	227.9	163.0	98.1	163.0	227.9	244.2	531.6	914.9	1106.6	1056.3	955.6
100°	247.7	188.9	130.0	188.9	247.7	262.4	581.4	1006.8	1219.5	1223.1	1230.5
102.5°	267.0	212.1	157.3	212.1	267.0	280.8	604.3	1035.7	1251.4	1315.5	1443.7
105°	296.3	249.8	203.3	249.8	296.3	307.9	621.2	1039.0	1247.9	1391.6	1678.9
107.5°	337.4	294.0	250.7	294.0	337.4	348.2	624.5	992.8	1176.9	1377.4	1778.4
110°	360.9	321.7	282.6	321.7	360.9	370.6	619.7	951.8	1117.9	1341.9	1790.1



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	388.4	351.1	313.9	351.1	388.4	397.8	619.9	915.9	1064.0	1293.4	1752.1
115°	430.0	395.6	361.2	395.6	430.0	438.6	625.6	874.9	999.6	1220.5	1662.4
117.5°	470.4	439.1	407.8	439.1	470.4	478.2	637.2	849.2	955.2	1154.7	1553.4
120°	493.9	464.5	435.1	464.5	493.9	501.2	646.6	840.6	937.5	1119.8	1484.1
122.5°	521.0	491.4	461.7	491.4	521.0	528.5	660.3	836.0	923.9	1087.9	1416.1
125°	556.6	529.5	502.5	529.5	556.6	563.4	678.7	832.3	909.2	1048.5	1327.2
127.5°	590.2	562.9	535.6	562.9	590.2	597.0	696.9	830.1	896.7	1016.4	1255.7
130°	612.1	582.8	553.3	582.8	612.1	619.5	710.3	831.4	892.0	998.5	1211.6
132.5°	630.5	601.0	571.6	601.0	630.5	637.8	721.2	832.3	887.8	983.2	1174.0
135°	652.4	625.6	598.8	625.6	652.4	659.1	733.0	831.5	880.8	960.7	1120.4
137.5°	679.7	653.1	626.6	653.1	679.7	686.3	750.7	836.7	879.6	947.1	1082.2
140°	698.5	674.1	649.6	674.1	698.5	704.6	761.5	837.5	875.4	933.7	1050.5
142.5°	712.6	689.9	667.4	689.9	712.6	718.2	770.6	840.5	875.4	926.7	1029.1
145°	733.9	714.2	694.5	714.2	733.9	738.9	782.5	840.5	869.6	911.5	995.3
147.5°	760.1	740.9	721.8	740.9	760.1	764.9	799.8	846.3	869.6	902.6	968.5
150°	774.2	756.8	739.5	756.8	774.2	778.5	808.9	849.3	869.6	897.4	953.0
152.5°	784.1	770.9	757.8	770.9	784.1	787.4	814.8	851.3	869.6	893.4	940.9
155°	804.5	794.7	785.0	794.7	804.5	806.9	827.8	855.6	869.6	888.5	926.3
157.5°	824.0	814.6	805.1	814.6	824.0	826.4	840.8	860.0	869.6	884.3	913.6
160°	833.4	826.1	818.7	826.1	833.4	835.3	846.7	861.9	869.6	882.2	907.3
162.5°	843.4	837.8	832.3	837.8	843.4	844.7	853.0	864.0	869.6	880.2	901.4
165°	857.1	852.1	847.1	852.1	857.1	858.3	862.0	867.1	869.6	877.2	892.4
167.5°	865.4	863.0	860.7	863.0	865.4	865.9	869.1	873.3	875.4	880.4	890.4
170°	874.3	871.9	869.6	871.9	874.3	874.8	875.0	875.3	875.4	880.4	890.4
172.5°	875.3	874.7	874.3	874.7	875.3	875.4	875.4	875.4	875.4	879.3	887.3
175°	880.8	880.8	880.8	880.8	880.8	880.8	878.9	876.6	875.4	877.9	883.0
177.5°	880.8	880.8	880.8	880.8	880.8	880.8	879.4	877.6	876.7	878.7	882.6
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	1961.9	1956.2	1963.8	1942.7	1963.8	1956.2	1961.9	1975.4	1963.8	1971.6	1979.2
5°	1721.5	1711.8	1681.1	1656.1	1681.1	1711.8	1721.5	1761.9	1781.1	1815.7	1861.9
7.5°	1538.8	1531.0	1523.4	1508.0	1523.4	1531.0	1538.8	1550.2	1569.6	1600.2	1635.0
10°	1498.3	1500.3	1511.8	1509.9	1511.8	1500.3	1498.3	1494.5	1488.8	1494.5	1515.6
12.5°	1602.3	1619.6	1683.0	1679.1	1683.0	1619.6	1602.3	1525.3	1473.4	1463.7	1467.6
15°	1721.5	1727.2	1740.7	1742.6	1740.7	1727.2	1721.5	1690.7	1534.9	1467.6	1446.4
17.5°	1733.0	1734.9	1744.5	1744.5	1744.5	1734.9	1733.0	1719.6	1667.6	1577.2	1458.0
20°	1723.4	1727.2	1746.5	1750.3	1746.5	1727.2	1723.4	1706.1	1677.2	1644.5	1554.2
22.5°	1719.6	1727.2	1742.6	1740.7	1742.6	1727.2	1719.6	1692.6	1667.6	1644.5	1608.0
25°	1700.3	1700.3	1702.3	1704.2	1702.3	1700.3	1700.3	1679.1	1629.1	1623.4	1602.3
27.5°	1659.9	1663.7	1675.3	1673.4	1675.3	1663.7	1659.9	1652.3	1598.3	1592.6	1577.2
30°	1623.4	1619.6	1609.9	1602.3	1609.9	1619.6	1623.4	1611.8	1558.0	1542.6	1546.4
32.5°	1561.8	1552.2	1542.6	1536.9	1542.6	1552.2	1561.8	1558.0	1517.6	1496.4	1500.3
35°	1488.8	1490.7	1488.8	1482.9	1488.8	1490.7	1488.8	1492.6	1467.6	1448.3	1446.4
37.5°	1436.8	1440.7	1438.7	1431.0	1438.7	1440.7	1436.8	1432.9	1398.3	1392.6	1396.4
40°	1382.9	1384.9	1382.9	1377.2	1382.9	1384.9	1382.9	1375.2	1327.2	1329.1	1342.5
42.5°	1331.0	1329.1	1323.3	1319.5	1323.3	1329.1	1331.0	1319.5	1257.9	1252.2	1277.1
45°	1271.4	1273.3	1261.7	1256.0	1261.7	1273.3	1271.4	1263.7	1200.3	1184.9	1202.2
47.5°	1211.7	1211.7	1202.2	1196.3	1202.2	1211.7	1211.7	1202.2	1134.9	1119.5	1129.0
50°	1148.3	1146.3	1132.9	1130.9	1132.9	1146.3	1148.3	1142.5	1071.4	1057.9	1057.9
52.5°	1075.2	1075.2	1077.1	1080.9	1077.1	1075.2	1075.2	1077.1	1013.6	1000.2	996.3
55°	1011.7	1013.6	1027.1	1031.0	1027.1	1013.6	1011.7	1011.7	954.0	940.5	932.9
57.5°	946.3	946.3	955.9	955.9	955.9	946.3	946.3	942.5	886.7	875.1	871.3
60°	871.3	875.1	882.9	881.0	882.9	875.1	871.3	867.5	819.4	811.6	798.3
62.5°	792.4	796.3	798.3	794.3	798.3	796.3	792.4	781.0	752.1	746.3	728.9
65°	709.7	713.6	715.5	711.6	715.5	713.6	709.7	704.0	682.8	673.2	657.8
67.5°	625.1	623.2	621.3	629.0	621.3	623.2	625.1	617.4	604.0	596.3	575.1
70°	538.5	538.5	536.6	540.5	536.6	538.5	538.5	532.8	525.1	519.3	500.1
72.5°	446.3	444.3	452.0	446.3	452.0	444.3	446.3	444.3	440.4	434.7	415.5
75°	355.8	359.6	355.8	361.6	355.8	359.6	355.8	357.7	355.8	352.0	338.5
77.5°	271.2	275.0	271.2	271.2	271.2	275.0	271.2	273.1	273.1	273.1	261.6
80°	192.3	190.4	190.4	188.5	190.4	190.4	192.3	192.3	194.3	190.4	186.6
82.5°	123.1	121.2	121.2	125.0	121.2	121.2	123.1	125.0	121.2	121.2	121.2
85°	67.3	69.2	65.4	65.4	65.4	69.2	67.3	63.5	67.3	67.3	65.4
87.5°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	27.0	27.0	27.0	28.9
90°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6
92.5°	112.3	107.8	90.0	72.1	90.0	107.8	112.3	159.2	221.7	253.0	222.1
95°	381.3	367.7	313.6	259.5	313.6	367.7	381.3	500.7	659.8	739.5	624.6
97.5°	880.2	854.5	751.4	648.5	751.4	854.5	880.2	955.6	1056.3	1106.6	914.9
100°	1236.0	1205.3	1082.7	960.0	1082.7	1205.3	1236.0	1230.5	1223.1	1219.5	1006.8
102.5°	1539.8	1513.5	1408.5	1303.4	1408.5	1513.5	1539.8	1443.7	1315.5	1251.4	1035.7
105°	1894.5	1880.4	1824.0	1767.5	1824.0	1880.4	1894.5	1678.9	1391.6	1247.9	1039.0
107.5°	2079.0	2082.5	2096.0	2109.7	2096.0	2082.5	2079.0	1778.4	1377.4	1176.9	992.8
110°	2126.2	2141.0	2199.8	2258.6	2199.8	2141.0	2126.2	1790.1	1341.9	1117.9	951.8



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2096.1	2118.7	2209.1	2299.5	2209.1	2118.7	2096.1	1752.1	1293.4	1064.0	915.9
115°	1993.8	2025.2	2150.5	2275.9	2150.5	2025.2	1993.8	1662.4	1220.5	999.6	874.9
117.5°	1852.5	1887.2	2026.2	2165.2	2026.2	1887.2	1852.5	1553.4	1154.7	955.2	849.2
120°	1757.4	1791.2	1926.2	2061.2	1926.2	1791.2	1757.4	1484.1	1119.8	937.5	840.6
122.5°	1662.2	1695.5	1828.7	1961.9	1828.7	1695.5	1662.2	1416.1	1087.9	923.9	836.0
125°	1536.3	1567.0	1689.6	1812.4	1689.6	1567.0	1536.3	1327.2	1048.5	909.2	832.3
127.5°	1435.2	1461.2	1564.6	1668.1	1564.6	1461.2	1435.2	1255.7	1016.4	896.7	830.1
130°	1371.4	1395.3	1491.0	1586.6	1491.0	1395.3	1371.4	1211.6	998.5	892.0	831.4
132.5°	1317.0	1338.4	1424.1	1509.7	1424.1	1338.4	1317.0	1174.0	983.2	887.8	832.3
135°	1240.2	1258.7	1332.5	1406.3	1332.5	1258.7	1240.2	1120.4	960.7	880.8	831.5
137.5°	1183.4	1198.5	1259.0	1319.4	1259.0	1198.5	1183.4	1082.2	947.1	879.6	836.7
140°	1137.9	1152.1	1208.5	1265.0	1208.5	1152.1	1137.9	1050.5	933.7	875.4	837.5
142.5°	1106.0	1118.1	1166.8	1215.4	1166.8	1118.1	1106.0	1029.1	926.7	875.4	840.5
145°	1058.1	1067.3	1104.1	1140.9	1104.1	1067.3	1058.1	995.3	911.5	869.6	840.5
147.5°	1017.9	1025.6	1056.0	1086.5	1056.0	1025.6	1017.9	968.5	902.6	869.6	846.3
150°	994.8	1001.0	1025.7	1050.5	1025.7	1001.0	994.8	953.0	897.4	869.6	849.3
152.5°	976.6	981.2	999.9	1018.5	999.9	981.2	976.6	940.9	893.4	869.6	851.3
155°	954.7	957.7	970.1	982.5	970.1	957.7	954.7	926.3	888.5	869.6	855.6
157.5°	935.7	937.9	946.5	955.2	946.5	937.9	935.7	913.6	884.3	869.6	860.0
160°	926.3	927.5	932.6	937.5	932.6	927.5	926.3	907.3	882.2	869.6	861.9
162.5°	917.4	918.5	923.3	928.1	923.3	918.5	917.4	901.4	880.2	869.6	864.0
165°	903.8	905.0	910.1	915.1	910.1	905.0	903.8	892.4	877.2	869.6	867.1
167.5°	897.9	898.4	900.6	902.7	900.6	898.4	897.9	890.4	880.4	875.4	873.3
170°	897.9	897.9	897.9	897.9	897.9	897.9	897.9	890.4	880.4	875.4	875.3
172.5°	893.2	892.7	890.9	889.1	890.9	892.7	893.2	887.3	879.3	875.4	875.4
175°	886.7	886.7	886.7	886.7	886.7	886.7	886.7	883.0	877.9	875.4	876.6
177.5°	885.5	885.0	882.9	880.8	882.9	885.0	885.5	882.6	878.7	876.7	877.6
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2008.1	2017.6	2023.5	2031.1	2050.3
5°	1931.1	1967.6	1979.2	2008.1	2042.7
7.5°	1761.9	1873.4	1904.2	1973.5	2027.3
10°	1598.3	1709.9	1763.8	1927.3	2008.1
12.5°	1515.6	1581.0	1617.6	1846.5	1981.1
15°	1463.7	1509.9	1536.9	1738.8	1950.3
17.5°	1423.3	1456.1	1475.3	1633.0	1908.1
20°	1398.3	1413.7	1431.0	1556.1	1860.0
22.5°	1381.0	1371.4	1384.9	1502.2	1794.6
25°	1369.5	1333.0	1348.3	1459.9	1717.6
27.5°	1379.1	1298.3	1304.1	1421.4	1636.9
30°	1381.0	1256.0	1257.9	1381.0	1546.4
32.5°	1367.6	1211.7	1213.6	1331.0	1444.5
35°	1334.9	1159.8	1157.9	1273.3	1306.0
37.5°	1290.6	1104.1	1104.1	1209.8	1154.1
40°	1236.8	1048.3	1054.1	1127.1	1019.4
42.5°	1171.4	988.6	996.3	1017.5	919.4
45°	1100.2	931.0	936.7	859.7	842.4
47.5°	1021.3	871.3	873.2	713.6	817.5
50°	927.1	809.7	802.1	611.6	815.6
52.5°	844.3	742.4	719.4	553.9	740.5
55°	763.6	671.3	621.3	509.7	686.7
57.5°	692.4	579.0	530.9	457.7	675.1
60°	627.0	488.5	452.0	402.0	619.4
62.5°	573.2	421.2	413.6	363.6	561.6
65°	515.5	375.0	373.1	330.9	477.0
67.5°	459.7	344.3	342.3	300.1	363.6
70°	400.1	311.6	307.7	267.4	269.3
72.5°	338.5	275.0	271.2	240.4	223.1
75°	277.0	232.7	230.8	209.7	180.8
77.5°	217.4	184.6	188.5	169.3	132.7
80°	155.8	134.6	138.5	121.2	100.0
82.5°	103.8	88.5	92.3	77.0	67.3
85°	57.7	50.0	51.9	40.4	30.8
87.5°	27.0	23.0	23.0	15.4	9.7
90°	26.0	16.5	15.4	10.6	5.9
92.5°	160.3	114.1	104.0	63.8	23.6
95°	394.6	222.3	203.9	130.3	56.8
97.5°	531.6	244.2	227.9	163.0	98.1
100°	581.4	262.4	247.7	188.9	130.0
102.5°	604.3	280.8	267.0	212.1	157.3
105°	621.2	307.9	296.3	249.8	203.3
107.5°	624.5	348.2	337.4	294.0	250.7
110°	619.7	370.6	360.9	321.7	282.6



TEST NUMBER: P934209

CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	619.9	397.8	388.4	351.1	313.9
115°	625.6	438.6	430.0	395.6	361.2
117.5°	637.2	478.2	470.4	439.1	407.8
120°	646.6	501.2	493.9	464.5	435.1
122.5°	660.3	528.5	521.0	491.4	461.7
125°	678.7	563.4	556.6	529.5	502.5
127.5°	696.9	597.0	590.2	562.9	535.6
130°	710.3	619.5	612.1	582.8	553.3
132.5°	721.2	637.8	630.5	601.0	571.6
135°	733.0	659.1	652.4	625.6	598.8
137.5°	750.7	686.3	679.7	653.1	626.6
140°	761.5	704.6	698.5	674.1	649.6
142.5°	770.6	718.2	712.6	689.9	667.4
145°	782.5	738.9	733.9	714.2	694.5
147.5°	799.8	764.9	760.1	740.9	721.8
150°	808.9	778.5	774.2	756.8	739.5
152.5°	814.8	787.4	784.1	770.9	757.8
155°	827.8	806.9	804.5	794.7	785.0
157.5°	840.8	826.4	824.0	814.6	805.1
160°	846.7	835.3	833.4	826.1	818.7
162.5°	853.0	844.7	843.4	837.8	832.3
165°	862.0	858.3	857.1	852.1	847.1
167.5°	869.1	865.9	865.4	863.0	860.7
170°	875.0	874.8	874.3	871.9	869.6
172.5°	875.4	875.4	875.3	874.7	874.3
175°	878.9	880.8	880.8	880.8	880.8
177.5°	879.4	880.8	880.8	880.8	880.8
180°	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934209
 CATALOG NUMBER: SQ4-FA-050U-050D-830-1D-UNV-STD-W-12

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	11.01	11.86	11.99	12.85	14.15	13.87	14.71	14.84	15.70	17.00
	3H	11.49	12.25	12.47	13.24	14.56	15.22	15.97	16.20	16.97	18.29
	4H	11.68	12.40	12.68	13.40	14.73	15.66	16.38	16.66	17.38	18.71
	6H	11.80	12.46	12.81	13.46	14.80	15.95	16.61	16.96	17.62	18.96
	8H	11.80	12.43	12.81	13.45	14.79	16.03	16.66	17.05	17.68	19.02
	12H	11.77	12.37	12.79	13.38	14.74	16.07	16.67	17.09	17.68	19.05
4H	2H	12.05	12.76	13.05	13.77	15.09	14.27	14.99	15.28	15.99	17.32
	3H	13.08	13.67	14.09	14.70	16.04	15.78	16.38	16.80	17.41	18.75
	4H	13.35	13.90	14.37	14.92	16.28	16.31	16.86	17.34	17.88	19.25
	6H	13.47	13.94	14.51	14.99	16.35	16.68	17.15	17.72	18.20	19.56
	8H	13.48	13.92	14.51	14.96	16.33	16.79	17.23	17.83	18.27	19.65
	12H	13.45	13.84	14.50	14.89	16.28	16.85	17.25	17.90	18.30	19.68
8H	4H	13.81	14.24	14.84	15.28	16.66	16.44	16.87	17.47	17.91	19.29
	6H	14.07	14.43	15.12	15.51	16.88	16.88	17.24	17.94	18.32	19.69
	8H	14.11	14.43	15.17	15.49	16.89	17.03	17.35	18.10	18.42	19.81
	12H	14.09	14.37	15.16	15.43	16.87	17.13	17.42	18.20	18.47	19.91
12H	4H	13.81	14.21	14.86	15.26	16.64	16.40	16.80	17.45	17.85	19.23
	6H	14.13	14.45	15.19	15.51	16.91	16.87	17.19	17.94	18.26	19.65
	8H	14.19	14.47	15.26	15.53	16.97	17.04	17.32	18.11	18.38	19.81