

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: P934217

Luminaire Tested: SQ4-FA-050U-050D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934217
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-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

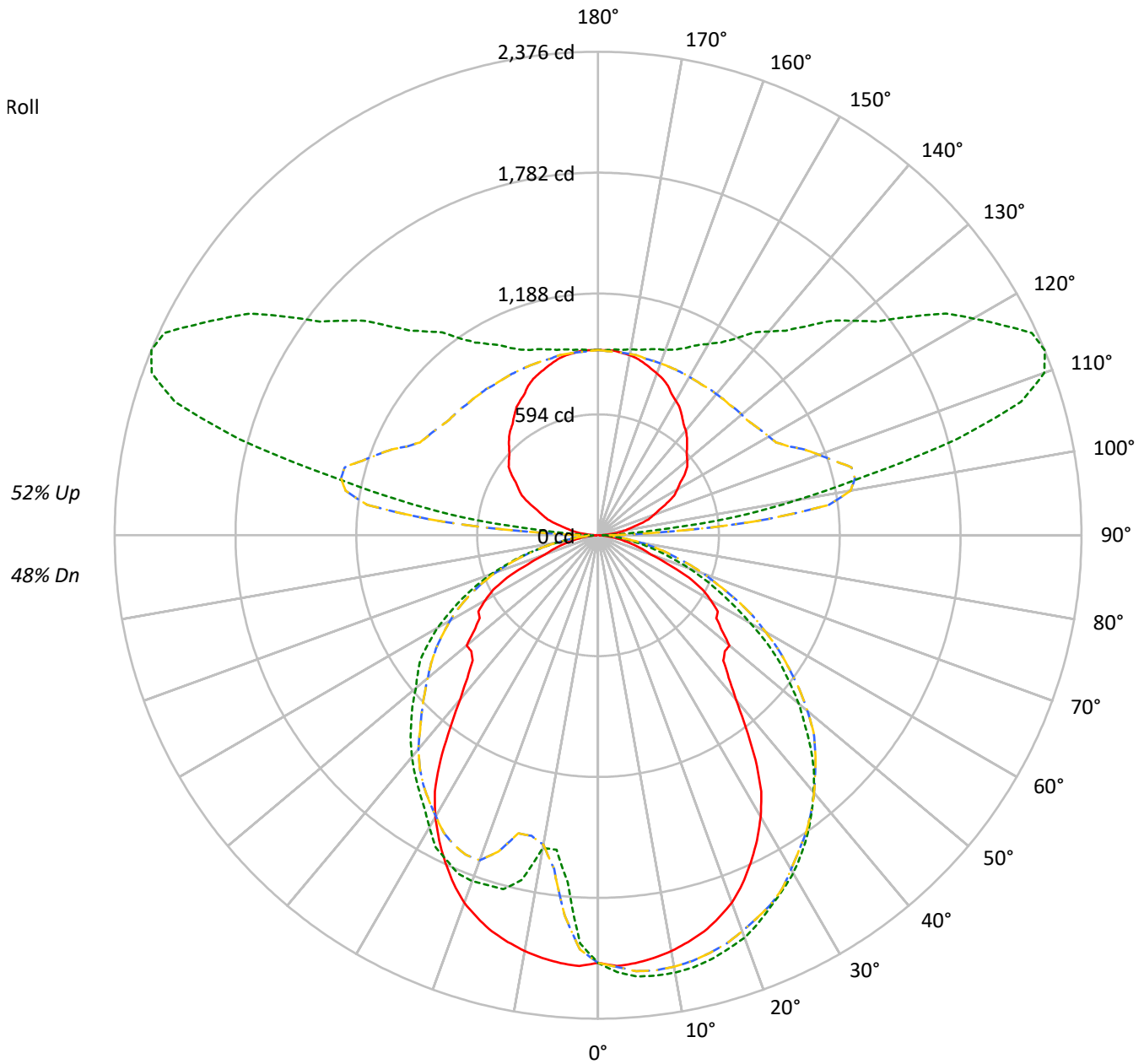
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11352.1 lumens
Efficiency: N/A
Efficacy: 133.2 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

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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	68	68	68	54	54	54	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
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	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
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	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
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	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
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	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
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6499	6499	6499	6499
5°	6550	6561	6550	5158
10°	6509	6462	6509	4620
15°	6440	6322	6440	5279
20°	6308	6156	6308	5290
25°	6035	5915	6035	5178
30°	5681	5714	5681	4932
35°	5067	5460	5067	4662
40°	4224	5161	4224	4457
45°	3777	4810	3777	4222
50°	4016	4393	4016	3986
55°	3782	3943	3782	3850
60°	3903	3349	3903	3526
65°	3545	2769	3545	3095
70°	2460	2206	2460	2594
75°	2165	1631	2165	1953
80°	1757	1078	1757	1174
85°	1030	571	1030	486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5785 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	1.7
10°-20°	538.5	4.7
20°-30°	832.4	7.3
30°-40°	993.7	8.8
40°-50°	999.6	8.8
50°-60°	869.7	7.7
60°-70°	616.7	5.4
70°-80°	326.3	2.9
80°-90°	84.7	0.7
90°-100°	443.7	3.9
100°-110°	1166.5	10.3
110°-120°	1209.5	10.7
120°-130°	970.2	8.5
130°-140°	761.3	6.7
140°-150°	584.3	5.1
150°-160°	420.8	3.7
160°-170°	257.5	2.3
170°-180°	87.0	0.8
0°-30°	1560.6	13.7
0°-40°	2554.3	22.5
0°-60°	4423.7	39.0
0°-90°	5451.3	48.0
90°-120°	2819.7	24.8
90°-150°	5135.5	45.2
90°-180°	5901.0	52.0
0°-180°	11352.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2101	2101	2101	2101	2101	
5°	2111	2177	2111	1712	2111	200
15°	2016	2157	2016	1801	2016	567
25°	1775	2012	1775	1761	1775	815
35°	1350	1795	1350	1533	1350	835
45°	871	1479	871	1298	871	697
55°	710	1091	710	1066	710	652
65°	493	658	493	736	493	471
75°	187	312	187	374	187	196
85°	32	80	32	68	32	43
90°	6	23	6	23	6	6
95°	59	268	59	268	59	65
105°	210	1827	210	1827	210	223
115°	373	2352	373	2352	373	369
125°	519	1873	519	1873	519	461
135°	619	1453	619	1453	619	479
145°	718	1179	718	1179	718	450
155°	811	1015	811	1015	811	373
165°	876	946	876	946	876	247
175°	910	916	910	916	910	86
180°	910	910	910	910	910	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2119.0	2119.0	2130.9	2134.9	2134.9	2128.9	2123.0	2128.9	2146.8	2152.8	2150.8
5°	2111.1	2127.0	2148.8	2152.8	2156.8	2154.8	2150.8	2154.8	2174.7	2178.6	2180.6
7.5°	2095.2	2125.0	2152.8	2158.8	2164.7	2158.8	2156.8	2160.8	2180.6	2184.6	2184.6
10°	2075.3	2117.0	2148.8	2152.8	2158.8	2152.8	2152.8	2160.8	2180.6	2184.6	2186.6
12.5°	2047.4	2105.1	2134.9	2138.9	2146.8	2144.8	2142.9	2150.8	2170.7	2174.7	2174.7
15°	2015.6	2083.2	2111.1	2115.0	2128.9	2125.0	2125.0	2132.9	2154.8	2160.8	2158.8
17.5°	1971.9	2055.4	2087.2	2093.2	2103.2	2101.1	2103.2	2111.1	2130.9	2134.9	2136.9
20°	1922.3	2017.6	2055.4	2061.4	2071.3	2071.3	2071.3	2081.2	2101.1	2109.1	2109.1
22.5°	1854.7	1977.9	2017.6	2021.6	2033.5	2033.5	2037.6	2051.4	2069.3	2071.3	2071.3
25°	1775.1	1934.1	1967.9	1979.9	1991.8	1997.7	2003.8	2011.7	2017.6	2015.6	2017.6
27.5°	1691.7	1878.5	1922.3	1930.2	1946.1	1952.0	1960.0	1962.0	1963.9	1969.9	1965.9
30°	1598.2	1800.9	1866.5	1874.5	1900.3	1904.4	1896.4	1900.3	1910.3	1914.2	1918.2
32.5°	1492.9	1685.6	1808.9	1826.8	1850.6	1838.8	1836.7	1842.7	1858.6	1858.6	1862.6
35°	1349.7	1596.2	1755.3	1771.2	1789.1	1775.1	1783.0	1785.0	1795.0	1800.9	1799.0
37.5°	1192.7	1518.7	1699.6	1711.5	1725.4	1707.6	1719.4	1725.4	1733.3	1729.4	1729.4
40°	1053.5	1397.4	1634.0	1642.0	1653.8	1640.0	1651.8	1655.9	1659.8	1655.9	1653.8
42.5°	950.2	1264.2	1564.4	1574.4	1566.4	1576.4	1580.3	1588.3	1582.3	1574.4	1574.4
45°	870.6	1228.5	1488.9	1500.8	1488.9	1504.8	1510.8	1510.8	1492.9	1488.9	1486.8
47.5°	844.8	1156.9	1413.3	1413.3	1407.4	1427.3	1437.1	1423.3	1405.4	1399.4	1399.4
50°	842.9	1077.4	1310.0	1302.0	1329.8	1353.7	1343.8	1329.8	1315.9	1294.1	1294.1
52.5°	765.3	980.0	1176.8	1206.6	1250.3	1264.2	1248.3	1234.4	1210.6	1200.6	1192.7
55°	709.7	878.6	1055.5	1115.2	1160.9	1178.8	1148.9	1135.0	1099.2	1093.3	1089.4
57.5°	697.7	731.5	944.2	1019.7	1075.4	1073.5	1055.5	1029.7	999.9	993.9	992.0
60°	640.1	528.8	825.0	914.4	972.0	966.1	950.2	926.3	898.5	894.5	890.6
62.5°	580.4	383.6	689.7	791.2	872.6	870.6	856.8	820.9	801.1	791.2	783.2
65°	493.0	322.0	491.0	658.0	775.3	779.2	749.4	723.6	701.7	689.7	687.7
67.5°	375.7	262.4	332.0	548.6	681.8	677.9	640.1	628.2	600.3	594.4	582.4
70°	278.3	175.0	230.6	445.3	590.4	580.4	550.6	536.7	510.9	497.0	489.0
72.5°	230.6	141.1	168.9	345.9	497.0	485.0	459.2	443.3	421.4	409.5	401.5
75°	186.8	149.1	129.2	256.4	403.5	395.6	371.7	355.8	337.9	322.0	324.0
77.5°	137.1	139.1	103.3	188.8	320.0	308.2	294.2	274.4	266.4	250.5	250.5
80°	103.3	109.4	77.6	129.2	230.6	230.6	218.6	204.7	190.8	182.9	182.9
82.5°	69.6	69.6	57.6	81.5	157.0	151.1	143.2	139.1	131.2	127.3	127.3
85°	31.8	39.7	35.8	49.7	85.5	89.4	89.4	85.5	83.5	79.5	81.5
87.5°	10.0	17.9	21.8	27.9	43.8	45.7	47.7	47.7	47.7	49.7	49.7
90°	6.1	11.0	15.9	17.1	26.9	39.9	46.4	41.3	30.9	23.2	23.2
92.5°	24.4	65.9	107.5	117.9	165.7	229.5	261.4	229.1	164.5	116.1	111.4
95°	58.7	134.7	210.7	229.7	407.8	645.5	764.2	681.9	517.4	394.0	380.0
97.5°	101.4	168.5	235.5	252.3	549.4	945.5	1143.6	1091.6	987.6	909.7	883.1
100°	134.4	195.2	256.0	271.2	600.9	1040.5	1260.3	1264.0	1271.7	1277.4	1245.7
102.5°	162.5	219.2	275.9	290.2	624.5	1070.4	1293.3	1359.5	1492.0	1591.4	1564.2
105°	210.1	258.2	306.2	318.2	642.0	1073.8	1289.6	1438.1	1735.1	1957.9	1943.3
107.5°	259.1	303.8	348.7	359.8	645.4	1026.0	1216.3	1423.5	1837.9	2148.6	2152.2
110°	292.1	332.5	373.0	383.0	640.4	983.7	1155.3	1386.9	1850.0	2197.4	2212.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	324.4	362.9	401.4	411.1	640.6	946.6	1099.6	1336.7	1810.7	2166.3	2189.6
115°	373.3	408.8	444.4	453.3	646.5	904.2	1033.1	1261.4	1718.0	2060.6	2093.0
117.5°	421.5	453.8	486.1	494.2	658.5	877.6	987.2	1193.3	1605.4	1914.5	1950.4
120°	449.6	480.1	510.4	518.0	668.3	868.7	968.9	1157.2	1533.8	1816.2	1851.1
122.5°	477.1	507.8	538.5	546.2	682.4	864.0	954.8	1124.3	1463.5	1717.8	1752.2
125°	519.3	547.3	575.2	582.2	701.4	860.2	939.6	1083.6	1371.6	1587.7	1619.4
127.5°	553.5	581.7	610.0	617.0	720.3	857.9	926.7	1050.4	1297.7	1483.3	1510.1
130°	571.9	602.3	632.6	640.2	734.1	859.3	921.9	1032.0	1252.2	1417.3	1442.0
132.5°	590.7	621.2	651.6	659.2	745.3	860.2	917.6	1016.2	1213.3	1361.1	1383.2
135°	618.9	646.5	674.2	681.1	757.5	859.4	910.2	992.8	1157.9	1281.7	1300.8
137.5°	647.5	675.0	702.5	709.3	775.9	864.7	909.1	978.8	1118.4	1223.0	1238.7
140°	671.3	696.6	721.8	728.2	787.0	865.5	904.7	965.0	1085.6	1176.0	1190.6
142.5°	689.7	713.0	736.5	742.3	796.4	868.6	904.7	957.7	1063.6	1143.0	1155.6
145°	717.8	738.1	758.5	763.6	808.7	868.6	898.7	942.0	1028.6	1093.5	1103.0
147.5°	745.9	765.7	785.6	790.5	826.6	874.7	898.7	932.8	1000.9	1052.0	1059.9
150°	764.2	782.1	800.1	804.5	835.9	877.7	898.7	927.4	984.9	1028.1	1034.5
152.5°	783.2	796.7	810.4	813.7	842.1	879.8	898.7	923.3	972.4	1009.2	1014.1
155°	811.2	821.3	831.4	833.9	855.5	884.3	898.7	918.2	957.3	986.6	989.8
157.5°	832.1	841.9	851.6	854.0	868.9	888.8	898.7	913.9	944.2	967.1	969.3
160°	846.1	853.7	861.3	863.2	875.1	890.8	898.7	911.7	937.7	957.3	958.6
162.5°	860.2	865.9	871.6	873.0	881.6	893.0	898.7	909.7	931.6	948.1	949.3
165°	875.5	880.6	885.7	887.0	890.9	896.1	898.7	906.6	922.3	934.1	935.3
167.5°	889.5	891.9	894.3	894.9	898.2	902.5	904.7	909.8	920.2	927.9	928.5
170°	898.7	901.1	903.5	904.1	904.3	904.6	904.7	909.8	920.2	927.9	927.9
172.5°	903.5	904.0	904.6	904.7	904.7	904.7	904.7	908.8	917.0	923.1	922.6
175°	910.2	910.2	910.2	910.2	908.4	905.9	904.7	907.3	912.5	916.4	916.4
177.5°	910.2	910.2	910.2	910.2	908.9	907.0	906.0	908.1	912.1	915.2	914.6
180°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2154.8	2148.8	2154.8	2150.8	2152.8	2146.8	2128.9	2123.0	2128.9	2134.9	2134.9
5°	2180.6	2176.7	2180.6	2180.6	2178.6	2174.7	2154.8	2150.8	2154.8	2156.8	2152.8
7.5°	2188.6	2182.6	2188.6	2184.6	2184.6	2180.6	2160.8	2156.8	2158.8	2164.7	2158.8
10°	2188.6	2182.6	2188.6	2186.6	2184.6	2180.6	2160.8	2152.8	2152.8	2158.8	2152.8
12.5°	2178.6	2174.7	2178.6	2174.7	2174.7	2170.7	2150.8	2142.9	2144.8	2146.8	2138.9
15°	2162.7	2156.8	2162.7	2158.8	2160.8	2154.8	2132.9	2125.0	2125.0	2128.9	2115.0
17.5°	2138.9	2130.9	2138.9	2136.9	2134.9	2130.9	2111.1	2103.2	2101.1	2103.2	2093.2
20°	2111.1	2105.1	2111.1	2109.1	2109.1	2101.1	2081.2	2071.3	2071.3	2071.3	2061.4
22.5°	2067.3	2061.4	2067.3	2071.3	2071.3	2069.3	2051.4	2037.6	2033.5	2033.5	2021.6
25°	2017.6	2011.7	2017.6	2017.6	2015.6	2017.6	2011.7	2003.8	1997.7	1991.8	1979.9
27.5°	1969.9	1965.9	1969.9	1965.9	1969.9	1963.9	1962.0	1960.0	1952.0	1946.1	1930.2
30°	1922.3	1918.2	1922.3	1918.2	1914.2	1910.3	1900.3	1896.4	1904.4	1900.3	1874.5
32.5°	1862.6	1858.6	1862.6	1862.6	1858.6	1858.6	1842.7	1836.7	1838.8	1850.6	1826.8
35°	1800.9	1795.0	1800.9	1799.0	1800.9	1795.0	1785.0	1783.0	1775.1	1789.1	1771.2
37.5°	1729.4	1723.5	1729.4	1729.4	1729.4	1733.3	1725.4	1719.4	1707.6	1725.4	1711.5
40°	1655.9	1647.9	1655.9	1653.8	1655.9	1659.8	1655.9	1651.8	1640.0	1653.8	1642.0
42.5°	1572.4	1570.3	1572.4	1574.4	1574.4	1582.3	1588.3	1580.3	1576.4	1566.4	1574.4
45°	1482.9	1478.9	1482.9	1486.8	1488.9	1492.9	1510.8	1510.8	1504.8	1488.9	1500.8
47.5°	1387.4	1377.6	1387.4	1399.4	1399.4	1405.4	1423.3	1437.1	1427.3	1407.4	1413.3
50°	1286.1	1288.1	1286.1	1294.1	1294.1	1315.9	1329.8	1343.8	1353.7	1329.8	1302.0
52.5°	1186.7	1184.7	1186.7	1192.7	1200.6	1210.6	1234.4	1248.3	1264.2	1250.3	1206.6
55°	1087.3	1091.3	1087.3	1089.4	1093.3	1099.2	1135.0	1148.9	1178.8	1160.9	1115.2
57.5°	987.9	982.0	987.9	992.0	993.9	999.9	1029.7	1055.5	1073.5	1075.4	1019.7
60°	872.6	864.7	872.6	890.6	894.5	898.5	926.3	950.2	966.1	972.0	914.4
62.5°	771.2	757.4	771.2	783.2	791.2	801.1	820.9	856.8	870.6	872.6	791.2
65°	663.9	658.0	663.9	687.7	689.7	701.7	723.6	749.4	779.2	775.3	658.0
67.5°	566.5	566.5	566.5	582.4	594.4	600.3	628.2	640.1	677.9	681.8	548.6
70°	477.1	475.1	477.1	489.0	497.0	510.9	536.7	550.6	580.4	590.4	445.3
72.5°	391.6	389.6	391.6	401.5	409.5	421.4	443.3	459.2	485.0	497.0	345.9
75°	316.1	312.1	316.1	324.0	322.0	337.9	355.8	371.7	395.6	403.5	256.4
77.5°	242.6	242.6	242.6	250.5	250.5	266.4	274.4	294.2	308.2	320.0	188.8
80°	180.9	178.9	180.9	182.9	182.9	190.8	204.7	218.6	230.6	230.6	129.2
82.5°	127.3	123.2	127.3	127.3	127.3	131.2	139.1	143.2	151.1	157.0	81.5
85°	79.5	79.5	79.5	81.5	79.5	83.5	85.5	89.4	89.4	85.5	49.7
87.5°	51.7	49.7	51.7	49.7	49.7	47.7	47.7	47.7	45.7	43.8	27.9
90°	23.2	23.2	23.2	23.2	23.2	30.9	41.3	46.4	39.9	26.9	17.1
92.5°	93.0	74.5	93.0	111.4	116.1	164.5	229.1	261.4	229.5	165.7	117.9
95°	324.1	268.1	324.1	380.0	394.0	517.4	681.9	764.2	645.5	407.8	229.7
97.5°	776.6	670.2	776.6	883.1	909.7	987.6	1091.6	1143.6	945.5	549.4	252.3
100°	1118.9	992.1	1118.9	1245.7	1277.4	1271.7	1264.0	1260.3	1040.5	600.9	271.2
102.5°	1455.6	1347.0	1455.6	1564.2	1591.4	1492.0	1359.5	1293.3	1070.4	624.5	290.2
105°	1885.0	1826.6	1885.0	1943.3	1957.9	1735.1	1438.1	1289.6	1073.8	642.0	318.2
107.5°	2166.2	2180.3	2166.2	2152.2	2148.6	1837.9	1423.5	1216.3	1026.0	645.4	359.8
110°	2273.4	2334.2	2273.4	2212.6	2197.4	1850.0	1386.9	1155.3	983.7	640.4	383.0



TEST NUMBER: P934217

CATALOG NUMBER: SQ4-FA-050U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2283.1	2376.4	2283.1	2189.6	2166.3	1810.7	1336.7	1099.6	946.6	640.6	411.1
115°	2222.5	2352.0	2222.5	2093.0	2060.6	1718.0	1261.4	1033.1	904.2	646.5	453.3
117.5°	2094.1	2237.7	2094.1	1950.4	1914.5	1605.4	1193.3	987.2	877.6	658.5	494.2
120°	1990.7	2130.2	1990.7	1851.1	1816.2	1533.8	1157.2	968.9	868.7	668.3	518.0
122.5°	1889.9	2027.6	1889.9	1752.2	1717.8	1463.5	1124.3	954.8	864.0	682.4	546.2
125°	1746.2	1873.1	1746.2	1619.4	1587.7	1371.6	1083.6	939.6	860.2	701.4	582.2
127.5°	1617.0	1724.0	1617.0	1510.1	1483.3	1297.7	1050.4	926.7	857.9	720.3	617.0
130°	1540.9	1639.7	1540.9	1442.0	1417.3	1252.2	1032.0	921.9	859.3	734.1	640.2
132.5°	1471.7	1560.2	1471.7	1383.2	1361.1	1213.3	1016.2	917.6	860.2	745.3	659.2
135°	1377.1	1453.3	1377.1	1300.8	1281.7	1157.9	992.8	910.2	859.4	757.5	681.1
137.5°	1301.1	1363.5	1301.1	1238.7	1223.0	1118.4	978.8	909.1	864.7	775.9	709.3
140°	1248.9	1307.3	1248.9	1190.6	1176.0	1085.6	965.0	904.7	865.5	787.0	728.2
142.5°	1205.9	1256.0	1205.9	1155.6	1143.0	1063.6	957.7	904.7	868.6	796.4	742.3
145°	1141.0	1179.1	1141.0	1103.0	1093.5	1028.6	942.0	898.7	868.6	808.7	763.6
147.5°	1091.3	1122.9	1091.3	1059.9	1052.0	1000.9	932.8	898.7	874.7	826.6	790.5
150°	1060.0	1085.6	1060.0	1034.5	1028.1	984.9	927.4	898.7	877.7	835.9	804.5
152.5°	1033.3	1052.6	1033.3	1014.1	1009.2	972.4	923.3	898.7	879.8	842.1	813.7
155°	1002.6	1015.4	1002.6	989.8	986.6	957.3	918.2	898.7	884.3	855.5	833.9
157.5°	978.2	987.2	978.2	969.3	967.1	944.2	913.9	898.7	888.8	868.9	854.0
160°	963.8	968.9	963.8	958.6	957.3	937.7	911.7	898.7	890.8	875.1	863.2
162.5°	954.2	959.2	954.2	949.3	948.1	931.6	909.7	898.7	893.0	881.6	873.0
165°	940.6	945.7	940.6	935.3	934.1	922.3	906.6	898.7	896.1	890.9	887.0
167.5°	930.7	932.9	930.7	928.5	927.9	920.2	909.8	904.7	902.5	898.2	894.9
170°	927.9	927.9	927.9	927.9	927.9	920.2	909.8	904.7	904.6	904.3	904.1
172.5°	920.7	918.8	920.7	922.6	923.1	917.0	908.8	904.7	904.7	904.7	904.7
175°	916.4	916.4	916.4	916.4	916.4	912.5	907.3	904.7	905.9	908.4	910.2
177.5°	912.4	910.2	912.4	914.6	915.2	912.1	908.1	906.0	907.0	908.9	910.2
180°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2



TEST NUMBER: P934217

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2130.9	2119.0	2119.0	2099.1	2091.2	2085.2	2075.3	2045.5	2037.6	2029.5	2041.5
5°	2148.8	2127.0	2111.1	2075.3	2045.5	2033.5	1995.8	1924.2	1876.5	1840.7	1820.9
7.5°	2152.8	2125.0	2095.2	2039.5	1967.9	1936.1	1820.9	1689.7	1653.8	1622.1	1602.1
10°	2148.8	2117.0	2075.3	1991.8	1822.9	1767.1	1651.8	1566.4	1544.5	1538.6	1544.5
12.5°	2134.9	2105.1	2047.4	1908.3	1671.8	1634.0	1566.4	1516.7	1512.7	1522.7	1576.4
15°	2111.1	2083.2	2015.6	1797.0	1588.3	1560.4	1512.7	1494.8	1516.7	1586.2	1747.3
17.5°	2087.2	2055.4	1971.9	1687.7	1524.7	1504.8	1470.9	1506.8	1630.0	1723.5	1777.1
20°	2055.4	2017.6	1922.3	1608.2	1478.9	1461.1	1445.1	1606.2	1699.6	1733.3	1763.2
22.5°	2017.6	1977.9	1854.7	1552.4	1431.2	1417.3	1427.3	1661.8	1699.6	1723.5	1749.3
25°	1967.9	1934.1	1775.1	1508.8	1393.5	1377.6	1415.3	1655.9	1677.7	1683.7	1735.3
27.5°	1922.3	1878.5	1691.7	1469.0	1347.7	1341.8	1425.3	1630.0	1645.9	1651.8	1707.6
30°	1866.5	1800.9	1598.2	1427.3	1300.0	1298.0	1427.3	1598.2	1594.2	1610.1	1665.8
32.5°	1808.9	1685.6	1492.9	1375.6	1254.3	1252.3	1413.3	1550.5	1546.5	1568.4	1610.1
35°	1755.3	1596.2	1349.7	1315.9	1196.7	1198.6	1379.5	1494.8	1496.8	1516.7	1542.6
37.5°	1699.6	1518.7	1192.7	1250.3	1141.0	1141.0	1333.8	1443.2	1439.2	1445.1	1480.9
40°	1634.0	1397.4	1053.5	1164.9	1089.4	1083.3	1278.2	1387.4	1373.6	1371.6	1421.2
42.5°	1564.4	1264.2	950.2	1051.5	1029.7	1021.7	1210.6	1319.9	1294.1	1300.0	1363.6
45°	1488.9	1228.5	870.6	888.5	968.0	962.1	1137.0	1242.4	1224.5	1240.4	1306.0
47.5°	1413.3	1156.9	844.8	737.4	902.4	900.5	1055.5	1166.8	1156.9	1172.9	1242.4
50°	1310.0	1077.4	842.9	632.1	828.9	836.8	958.2	1093.3	1093.3	1107.3	1180.8
52.5°	1176.8	980.0	765.3	572.4	743.5	767.3	872.6	1029.7	1033.6	1047.6	1113.2
55°	1055.5	878.6	709.7	526.8	642.1	693.8	789.1	964.1	972.0	985.9	1045.6
57.5°	944.2	731.5	697.7	473.1	548.6	598.3	715.6	900.5	904.4	916.4	974.1
60°	825.0	528.8	640.1	415.5	467.1	504.9	648.0	825.0	838.8	846.8	896.5
62.5°	689.7	383.6	580.4	375.7	427.4	435.3	592.4	753.4	771.2	777.3	807.1
65°	491.0	322.0	493.0	341.9	385.6	387.6	532.7	679.8	695.7	705.6	727.6
67.5°	332.0	262.4	375.7	310.1	353.8	355.8	475.1	594.4	616.2	624.2	638.1
70°	230.6	175.0	278.3	276.3	318.0	322.0	413.5	516.8	536.7	542.7	550.6
72.5°	168.9	141.1	230.6	248.5	280.3	284.2	349.9	429.4	449.2	455.2	459.2
75°	129.2	149.1	186.8	216.7	238.5	240.5	286.2	349.9	363.8	367.7	369.7
77.5°	103.3	139.1	137.1	175.0	194.8	190.8	224.7	270.3	282.3	282.3	282.3
80°	77.6	109.4	103.3	125.3	143.2	139.1	161.0	192.9	196.8	200.8	198.8
82.5°	57.6	69.6	69.6	79.5	95.4	91.5	107.3	125.3	125.3	125.3	129.2
85°	35.8	39.7	31.8	41.8	53.6	51.7	59.7	67.6	69.6	69.6	65.6
87.5°	21.8	17.9	10.0	15.9	23.8	23.8	27.9	29.8	27.9	27.9	27.9
90°	15.9	11.0	6.1	11.0	15.9	17.1	26.9	39.9	46.4	41.3	30.9
92.5°	107.5	65.9	24.4	65.9	107.5	117.9	165.7	229.5	261.4	229.1	164.5
95°	210.7	134.7	58.7	134.7	210.7	229.7	407.8	645.5	764.2	681.9	517.4
97.5°	235.5	168.5	101.4	168.5	235.5	252.3	549.4	945.5	1143.6	1091.6	987.6
100°	256.0	195.2	134.4	195.2	256.0	271.2	600.9	1040.5	1260.3	1264.0	1271.7
102.5°	275.9	219.2	162.5	219.2	275.9	290.2	624.5	1070.4	1293.3	1359.5	1492.0
105°	306.2	258.2	210.1	258.2	306.2	318.2	642.0	1073.8	1289.6	1438.1	1735.1
107.5°	348.7	303.8	259.1	303.8	348.7	359.8	645.4	1026.0	1216.3	1423.5	1837.9
110°	373.0	332.5	292.1	332.5	373.0	383.0	640.4	983.7	1155.3	1386.9	1850.0



TEST NUMBER: P934217

CATALOG NUMBER: SQ4-FA-050U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	401.4	362.9	324.4	362.9	401.4	411.1	640.6	946.6	1099.6	1336.7	1810.7
115°	444.4	408.8	373.3	408.8	444.4	453.3	646.5	904.2	1033.1	1261.4	1718.0
117.5°	486.1	453.8	421.5	453.8	486.1	494.2	658.5	877.6	987.2	1193.3	1605.4
120°	510.4	480.1	449.6	480.1	510.4	518.0	668.3	868.7	968.9	1157.2	1533.8
122.5°	538.5	507.8	477.1	507.8	538.5	546.2	682.4	864.0	954.8	1124.3	1463.5
125°	575.2	547.3	519.3	547.3	575.2	582.2	701.4	860.2	939.6	1083.6	1371.6
127.5°	610.0	581.7	553.5	581.7	610.0	617.0	720.3	857.9	926.7	1050.4	1297.7
130°	632.6	602.3	571.9	602.3	632.6	640.2	734.1	859.3	921.9	1032.0	1252.2
132.5°	651.6	621.2	590.7	621.2	651.6	659.2	745.3	860.2	917.6	1016.2	1213.3
135°	674.2	646.5	618.9	646.5	674.2	681.1	757.5	859.4	910.2	992.8	1157.9
137.5°	702.5	675.0	647.5	675.0	702.5	709.3	775.9	864.7	909.1	978.8	1118.4
140°	721.8	696.6	671.3	696.6	721.8	728.2	787.0	865.5	904.7	965.0	1085.6
142.5°	736.5	713.0	689.7	713.0	736.5	742.3	796.4	868.6	904.7	957.7	1063.6
145°	758.5	738.1	717.8	738.1	758.5	763.6	808.7	868.6	898.7	942.0	1028.6
147.5°	785.6	765.7	745.9	765.7	785.6	790.5	826.6	874.7	898.7	932.8	1000.9
150°	800.1	782.1	764.2	782.1	800.1	804.5	835.9	877.7	898.7	927.4	984.9
152.5°	810.4	796.7	783.2	796.7	810.4	813.7	842.1	879.8	898.7	923.3	972.4
155°	831.4	821.3	811.2	821.3	831.4	833.9	855.5	884.3	898.7	918.2	957.3
157.5°	851.6	841.9	832.1	841.9	851.6	854.0	868.9	888.8	898.7	913.9	944.2
160°	861.3	853.7	846.1	853.7	861.3	863.2	875.1	890.8	898.7	911.7	937.7
162.5°	871.6	865.9	860.2	865.9	871.6	873.0	881.6	893.0	898.7	909.7	931.6
165°	885.7	880.6	875.5	880.6	885.7	887.0	890.9	896.1	898.7	906.6	922.3
167.5°	894.3	891.9	889.5	891.9	894.3	894.9	898.2	902.5	904.7	909.8	920.2
170°	903.5	901.1	898.7	901.1	903.5	904.1	904.3	904.6	904.7	909.8	920.2
172.5°	904.6	904.0	903.5	904.0	904.6	904.7	904.7	904.7	904.7	908.8	917.0
175°	910.2	910.2	910.2	910.2	910.2	910.2	908.4	905.9	904.7	907.3	912.5
177.5°	910.2	910.2	910.2	910.2	910.2	910.2	908.9	907.0	906.0	908.1	912.1
180°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2



TEST NUMBER: P934217

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2027.6	2021.6	2029.5	2007.7	2029.5	2021.6	2027.6	2041.5	2029.5	2037.6	2045.5
5°	1779.1	1769.1	1737.4	1711.5	1737.4	1769.1	1779.1	1820.9	1840.7	1876.5	1924.2
7.5°	1590.3	1582.3	1574.4	1558.5	1574.4	1582.3	1590.3	1602.1	1622.1	1653.8	1689.7
10°	1548.5	1550.5	1562.4	1560.4	1562.4	1550.5	1548.5	1544.5	1538.6	1544.5	1566.4
12.5°	1655.9	1673.8	1739.4	1735.3	1739.4	1673.8	1655.9	1576.4	1522.7	1512.7	1516.7
15°	1779.1	1785.0	1799.0	1800.9	1799.0	1785.0	1779.1	1747.3	1586.2	1516.7	1494.8
17.5°	1791.0	1793.0	1802.9	1802.9	1802.9	1793.0	1791.0	1777.1	1723.5	1630.0	1506.8
20°	1781.1	1785.0	1805.0	1808.9	1805.0	1785.0	1781.1	1763.2	1733.3	1699.6	1606.2
22.5°	1777.1	1785.0	1800.9	1799.0	1800.9	1785.0	1777.1	1749.3	1723.5	1699.6	1661.8
25°	1757.3	1757.3	1759.2	1761.2	1759.2	1757.3	1757.3	1735.3	1683.7	1677.7	1655.9
27.5°	1715.5	1719.4	1731.4	1729.4	1731.4	1719.4	1715.5	1707.6	1651.8	1645.9	1630.0
30°	1677.7	1673.8	1663.8	1655.9	1663.8	1673.8	1677.7	1665.8	1610.1	1594.2	1598.2
32.5°	1614.1	1604.1	1594.2	1588.3	1594.2	1604.1	1614.1	1610.1	1568.4	1546.5	1550.5
35°	1538.6	1540.6	1538.6	1532.6	1538.6	1540.6	1538.6	1542.6	1516.7	1496.8	1494.8
37.5°	1484.9	1488.9	1486.8	1478.9	1486.8	1488.9	1484.9	1480.9	1445.1	1439.2	1443.2
40°	1429.2	1431.2	1429.2	1423.3	1429.2	1431.2	1429.2	1421.2	1371.6	1373.6	1387.4
42.5°	1375.6	1373.6	1367.6	1363.6	1367.6	1373.6	1375.6	1363.6	1300.0	1294.1	1319.9
45°	1313.9	1315.9	1304.0	1298.0	1304.0	1315.9	1313.9	1306.0	1240.4	1224.5	1242.4
47.5°	1252.3	1252.3	1242.4	1236.4	1242.4	1252.3	1252.3	1242.4	1172.9	1156.9	1166.8
50°	1186.7	1184.7	1170.8	1168.8	1170.8	1184.7	1186.7	1180.8	1107.3	1093.3	1093.3
52.5°	1111.2	1111.2	1113.2	1117.1	1113.2	1111.2	1111.2	1113.2	1047.6	1033.6	1029.7
55°	1045.6	1047.6	1061.5	1065.5	1061.5	1047.6	1045.6	1045.6	985.9	972.0	964.1
57.5°	978.0	978.0	987.9	987.9	987.9	978.0	978.0	974.1	916.4	904.4	900.5
60°	900.5	904.4	912.4	910.4	912.4	904.4	900.5	896.5	846.8	838.8	825.0
62.5°	819.0	823.0	825.0	820.9	825.0	823.0	819.0	807.1	777.3	771.2	753.4
65°	733.5	737.4	739.4	735.5	739.4	737.4	733.5	727.6	705.6	695.7	679.8
67.5°	646.1	644.1	642.1	650.0	642.1	644.1	646.1	638.1	624.2	616.2	594.4
70°	556.5	556.5	554.6	558.6	554.6	556.5	556.5	550.6	542.7	536.7	516.8
72.5°	461.2	459.2	467.1	461.2	467.1	459.2	461.2	459.2	455.2	449.2	429.4
75°	367.7	371.7	367.7	373.7	367.7	371.7	367.7	369.7	367.7	363.8	349.9
77.5°	280.3	284.2	280.3	280.3	280.3	284.2	280.3	282.3	282.3	282.3	270.3
80°	198.8	196.8	196.8	194.8	196.8	196.8	198.8	198.8	200.8	196.8	192.9
82.5°	127.3	125.3	125.3	129.2	125.3	125.3	127.3	129.2	125.3	125.3	125.3
85°	69.6	71.5	67.6	67.6	67.6	71.5	69.6	65.6	69.6	69.6	67.6
87.5°	25.9	23.8	23.8	23.8	23.8	23.8	25.9	27.9	27.9	27.9	29.8
90°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	30.9	41.3	46.4	39.9
92.5°	116.1	111.4	93.0	74.5	93.0	111.4	116.1	164.5	229.1	261.4	229.5
95°	394.0	380.0	324.1	268.1	324.1	380.0	394.0	517.4	681.9	764.2	645.5
97.5°	909.7	883.1	776.6	670.2	776.6	883.1	909.7	987.6	1091.6	1143.6	945.5
100°	1277.4	1245.7	1118.9	992.1	1118.9	1245.7	1277.4	1271.7	1264.0	1260.3	1040.5
102.5°	1591.4	1564.2	1455.6	1347.0	1455.6	1564.2	1591.4	1492.0	1359.5	1293.3	1070.4
105°	1957.9	1943.3	1885.0	1826.6	1885.0	1943.3	1957.9	1735.1	1438.1	1289.6	1073.8
107.5°	2148.6	2152.2	2166.2	2180.3	2166.2	2152.2	2148.6	1837.9	1423.5	1216.3	1026.0
110°	2197.4	2212.6	2273.4	2334.2	2273.4	2212.6	2197.4	1850.0	1386.9	1155.3	983.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2166.3	2189.6	2283.1	2376.4	2283.1	2189.6	2166.3	1810.7	1336.7	1099.6	946.6
115°	2060.6	2093.0	2222.5	2352.0	2222.5	2093.0	2060.6	1718.0	1261.4	1033.1	904.2
117.5°	1914.5	1950.4	2094.1	2237.7	2094.1	1950.4	1914.5	1605.4	1193.3	987.2	877.6
120°	1816.2	1851.1	1990.7	2130.2	1990.7	1851.1	1816.2	1533.8	1157.2	968.9	868.7
122.5°	1717.8	1752.2	1889.9	2027.6	1889.9	1752.2	1717.8	1463.5	1124.3	954.8	864.0
125°	1587.7	1619.4	1746.2	1873.1	1746.2	1619.4	1587.7	1371.6	1083.6	939.6	860.2
127.5°	1483.3	1510.1	1617.0	1724.0	1617.0	1510.1	1483.3	1297.7	1050.4	926.7	857.9
130°	1417.3	1442.0	1540.9	1639.7	1540.9	1442.0	1417.3	1252.2	1032.0	921.9	859.3
132.5°	1361.1	1383.2	1471.7	1560.2	1471.7	1383.2	1361.1	1213.3	1016.2	917.6	860.2
135°	1281.7	1300.8	1377.1	1453.3	1377.1	1300.8	1281.7	1157.9	992.8	910.2	859.4
137.5°	1223.0	1238.7	1301.1	1363.5	1301.1	1238.7	1223.0	1118.4	978.8	909.1	864.7
140°	1176.0	1190.6	1248.9	1307.3	1248.9	1190.6	1176.0	1085.6	965.0	904.7	865.5
142.5°	1143.0	1155.6	1205.9	1256.0	1205.9	1155.6	1143.0	1063.6	957.7	904.7	868.6
145°	1093.5	1103.0	1141.0	1179.1	1141.0	1103.0	1093.5	1028.6	942.0	898.7	868.6
147.5°	1052.0	1059.9	1091.3	1122.9	1091.3	1059.9	1052.0	1000.9	932.8	898.7	874.7
150°	1028.1	1034.5	1060.0	1085.6	1060.0	1034.5	1028.1	984.9	927.4	898.7	877.7
152.5°	1009.2	1014.1	1033.3	1052.6	1033.3	1014.1	1009.2	972.4	923.3	898.7	879.8
155°	986.6	989.8	1002.6	1015.4	1002.6	989.8	986.6	957.3	918.2	898.7	884.3
157.5°	967.1	969.3	978.2	987.2	978.2	969.3	967.1	944.2	913.9	898.7	888.8
160°	957.3	958.6	963.8	968.9	963.8	958.6	957.3	937.7	911.7	898.7	890.8
162.5°	948.1	949.3	954.2	959.2	954.2	949.3	948.1	931.6	909.7	898.7	893.0
165°	934.1	935.3	940.6	945.7	940.6	935.3	934.1	922.3	906.6	898.7	896.1
167.5°	927.9	928.5	930.7	932.9	930.7	928.5	927.9	920.2	909.8	904.7	902.5
170°	927.9	927.9	927.9	927.9	927.9	927.9	927.9	920.2	909.8	904.7	904.6
172.5°	923.1	922.6	920.7	918.8	920.7	922.6	923.1	917.0	908.8	904.7	904.7
175°	916.4	916.4	916.4	916.4	916.4	916.4	916.4	912.5	907.3	904.7	905.9
177.5°	915.2	914.6	912.4	910.2	912.4	914.6	915.2	912.1	908.1	906.0	907.0
180°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2075.3	2085.2	2091.2	2099.1	2119.0
5°	1995.8	2033.5	2045.5	2075.3	2111.1
7.5°	1820.9	1936.1	1967.9	2039.5	2095.2
10°	1651.8	1767.1	1822.9	1991.8	2075.3
12.5°	1566.4	1634.0	1671.8	1908.3	2047.4
15°	1512.7	1560.4	1588.3	1797.0	2015.6
17.5°	1470.9	1504.8	1524.7	1687.7	1971.9
20°	1445.1	1461.1	1478.9	1608.2	1922.3
22.5°	1427.3	1417.3	1431.2	1552.4	1854.7
25°	1415.3	1377.6	1393.5	1508.8	1775.1
27.5°	1425.3	1341.8	1347.7	1469.0	1691.7
30°	1427.3	1298.0	1300.0	1427.3	1598.2
32.5°	1413.3	1252.3	1254.3	1375.6	1492.9
35°	1379.5	1198.6	1196.7	1315.9	1349.7
37.5°	1333.8	1141.0	1141.0	1250.3	1192.7
40°	1278.2	1083.3	1089.4	1164.9	1053.5
42.5°	1210.6	1021.7	1029.7	1051.5	950.2
45°	1137.0	962.1	968.0	888.5	870.6
47.5°	1055.5	900.5	902.4	737.4	844.8
50°	958.2	836.8	828.9	632.1	842.9
52.5°	872.6	767.3	743.5	572.4	765.3
55°	789.1	693.8	642.1	526.8	709.7
57.5°	715.6	598.3	548.6	473.1	697.7
60°	648.0	504.9	467.1	415.5	640.1
62.5°	592.4	435.3	427.4	375.7	580.4
65°	532.7	387.6	385.6	341.9	493.0
67.5°	475.1	355.8	353.8	310.1	375.7
70°	413.5	322.0	318.0	276.3	278.3
72.5°	349.9	284.2	280.3	248.5	230.6
75°	286.2	240.5	238.5	216.7	186.8
77.5°	224.7	190.8	194.8	175.0	137.1
80°	161.0	139.1	143.2	125.3	103.3
82.5°	107.3	91.5	95.4	79.5	69.6
85°	59.7	51.7	53.6	41.8	31.8
87.5°	27.9	23.8	23.8	15.9	10.0
90°	26.9	17.1	15.9	11.0	6.1
92.5°	165.7	117.9	107.5	65.9	24.4
95°	407.8	229.7	210.7	134.7	58.7
97.5°	549.4	252.3	235.5	168.5	101.4
100°	600.9	271.2	256.0	195.2	134.4
102.5°	624.5	290.2	275.9	219.2	162.5
105°	642.0	318.2	306.2	258.2	210.1
107.5°	645.4	359.8	348.7	303.8	259.1
110°	640.4	383.0	373.0	332.5	292.1



TEST NUMBER: P934217

CATALOG NUMBER: SQ4-FA-050U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	640.6	411.1	401.4	362.9	324.4
115°	646.5	453.3	444.4	408.8	373.3
117.5°	658.5	494.2	486.1	453.8	421.5
120°	668.3	518.0	510.4	480.1	449.6
122.5°	682.4	546.2	538.5	507.8	477.1
125°	701.4	582.2	575.2	547.3	519.3
127.5°	720.3	617.0	610.0	581.7	553.5
130°	734.1	640.2	632.6	602.3	571.9
132.5°	745.3	659.2	651.6	621.2	590.7
135°	757.5	681.1	674.2	646.5	618.9
137.5°	775.9	709.3	702.5	675.0	647.5
140°	787.0	728.2	721.8	696.6	671.3
142.5°	796.4	742.3	736.5	713.0	689.7
145°	808.7	763.6	758.5	738.1	717.8
147.5°	826.6	790.5	785.6	765.7	745.9
150°	835.9	804.5	800.1	782.1	764.2
152.5°	842.1	813.7	810.4	796.7	783.2
155°	855.5	833.9	831.4	821.3	811.2
157.5°	868.9	854.0	851.6	841.9	832.1
160°	875.1	863.2	861.3	853.7	846.1
162.5°	881.6	873.0	871.6	865.9	860.2
165°	890.9	887.0	885.7	880.6	875.5
167.5°	898.2	894.9	894.3	891.9	889.5
170°	904.3	904.1	903.5	901.1	898.7
172.5°	904.7	904.7	904.6	904.0	903.5
175°	908.4	910.2	910.2	910.2	910.2
177.5°	908.9	910.2	910.2	910.2	910.2
180°	910.2	910.2	910.2	910.2	910.2



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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	11.13	11.97	12.10	12.96	14.26	13.98	14.82	14.95	15.81	17.11
	3H	11.60	12.36	12.59	13.36	14.68	15.33	16.09	16.32	17.08	18.40
	4H	11.79	12.51	12.79	13.51	14.84	15.78	16.49	16.78	17.49	18.82
	6H	11.91	12.57	12.92	13.58	14.92	16.07	16.73	17.08	17.73	19.07
	8H	11.91	12.54	12.93	13.56	14.90	16.15	16.77	17.16	17.79	19.13
	12H	11.88	12.48	12.90	13.50	14.86	16.19	16.78	17.21	17.80	19.16
4H	2H	12.16	12.88	13.17	13.88	15.21	14.39	15.10	15.39	16.10	17.43
	3H	13.19	13.79	14.20	14.82	16.16	15.90	16.49	16.91	17.52	18.87
	4H	13.47	14.01	14.49	15.03	16.40	16.43	16.97	17.45	18.00	19.36
	6H	13.59	14.06	14.62	15.10	16.47	16.80	17.27	17.83	18.31	19.68
	8H	13.59	14.03	14.63	15.07	16.45	16.91	17.35	17.94	18.38	19.76
	12H	13.56	13.96	14.61	15.01	16.39	16.97	17.36	18.02	18.42	19.80
8H	4H	13.92	14.36	14.95	15.40	16.77	16.55	16.99	17.58	18.03	19.40
	6H	14.18	14.54	15.24	15.62	17.00	16.99	17.35	18.05	18.43	19.81
	8H	14.22	14.54	15.29	15.61	17.00	17.15	17.47	18.21	18.53	19.92
	12H	14.21	14.49	15.28	15.55	16.98	17.25	17.53	18.32	18.59	20.03
12H	4H	13.93	14.32	14.98	15.38	16.76	16.51	16.91	17.57	17.96	19.35
	6H	14.24	14.56	15.31	15.63	17.02	16.99	17.31	18.05	18.37	19.77
	8H	14.31	14.59	15.38	15.65	17.08	17.15	17.43	18.22	18.49	19.93