

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: P934649

Luminaire Tested: SQ4-FA-075U-050D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934649
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-050D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

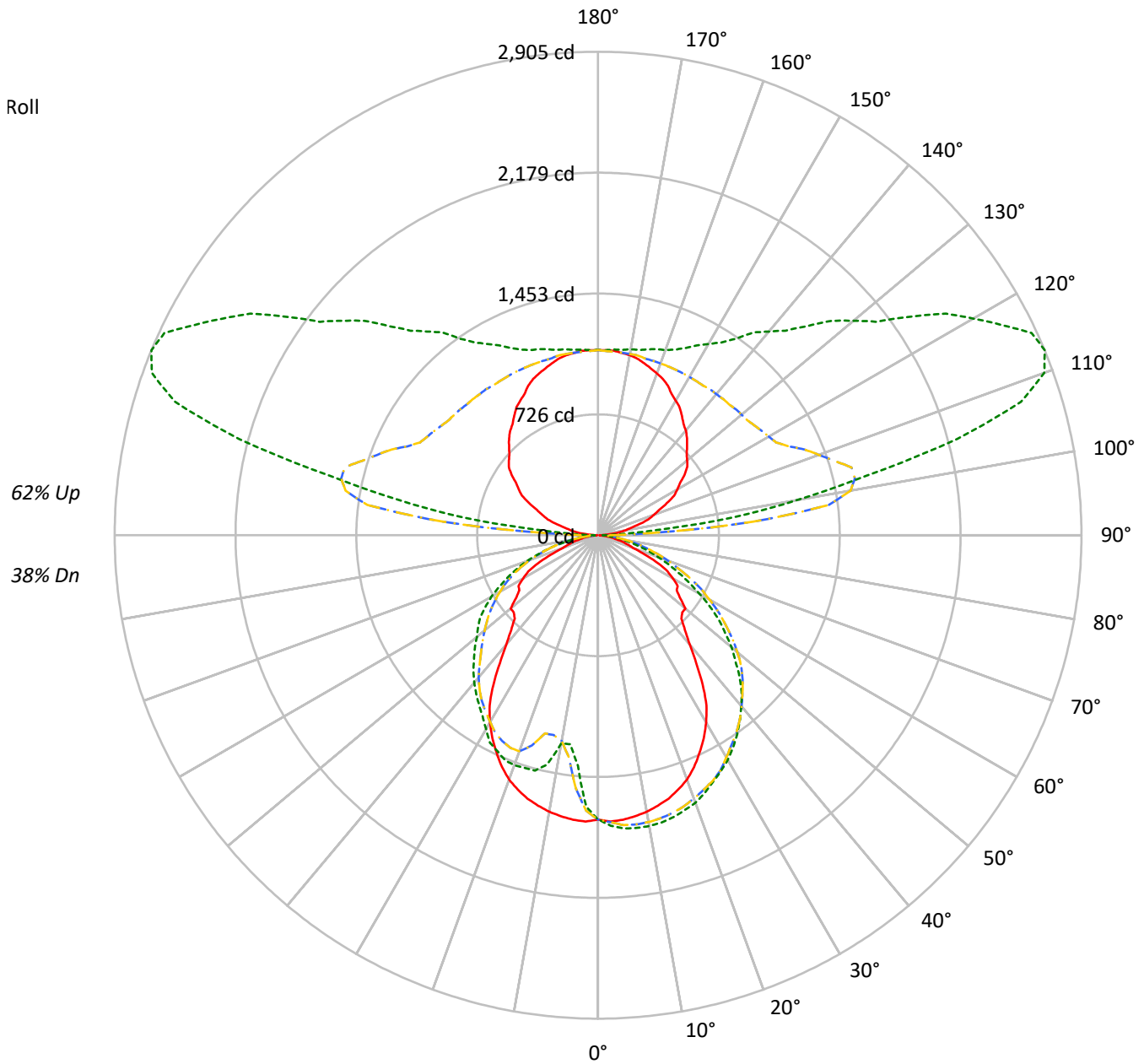
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11645.1 lumens
Efficiency: N/A
Efficacy: 112.8 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: Semi-Indirect

Input Watts (W): 103.2
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				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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27				27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20				20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11				11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10				10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5282	5282	5282	5282
5°	5323	5332	5323	4192
10°	5290	5252	5290	3755
15°	5234	5138	5234	4291
20°	5127	5004	5127	4300
25°	4905	4807	4905	4208
30°	4617	4644	4617	4009
35°	4118	4437	4118	3789
40°	3433	4194	3433	3623
45°	3070	3910	3070	3432
50°	3264	3570	3264	3240
55°	3074	3205	3074	3129
60°	3173	2722	3173	2866
65°	2881	2250	2881	2515
70°	2000	1793	2000	2108
75°	1759	1326	1759	1587
80°	1429	876	1429	955
85°	839	464	839	394

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4702 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	1.3
10°-20°	437.7	3.8
20°-30°	676.6	5.8
30°-40°	807.7	6.9
40°-50°	812.4	7.0
50°-60°	706.9	6.1
60°-70°	501.2	4.3
70°-80°	265.2	2.3
80°-90°	70.3	0.6
90°-100°	542.4	4.7
100°-110°	1426.0	12.2
110°-120°	1478.5	12.7
120°-130°	1186.0	10.2
130°-140°	930.6	8.0
140°-150°	714.3	6.1
150°-160°	514.4	4.4
160°-170°	314.7	2.7
170°-180°	106.3	0.9
0°-30°	1268.4	10.9
0°-40°	2076.0	17.8
0°-60°	3595.3	30.9
0°-90°	4432.0	38.1
90°-120°	3446.9	29.6
90°-150°	6277.7	53.9
90°-180°	7213.0	61.9
0°-180°	11645.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1708	1708	1708	1708	1708	
5°	1716	1769	1716	1391	1716	163
15°	1638	1753	1638	1464	1638	461
25°	1443	1635	1443	1431	1443	662
35°	1097	1459	1097	1246	1097	679
45°	708	1202	708	1055	708	567
55°	577	887	577	866	577	530
65°	401	535	401	598	401	383
75°	152	254	152	304	152	160
85°	26	65	26	55	26	35
90°	8	28	8	28	8	7
95°	72	328	72	328	72	80
105°	257	2233	257	2233	257	272
115°	456	2875	456	2875	456	451
125°	635	2290	635	2290	635	564
135°	756	1777	756	1777	756	585
145°	877	1441	877	1441	877	550
155°	992	1241	992	1241	992	456
165°	1070	1156	1070	1156	1070	302
175°	1113	1120	1113	1120	1113	106
180°	1113	1113	1113	1113	1113	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1722.2	1722.2	1731.9	1735.1	1735.1	1730.3	1725.5	1730.3	1744.8	1749.7	1748.1
5°	1715.8	1728.7	1746.4	1749.7	1752.9	1751.3	1748.1	1751.3	1767.5	1770.7	1772.3
7.5°	1702.8	1727.1	1749.7	1754.6	1759.4	1754.6	1752.9	1756.2	1772.3	1775.5	1775.5
10°	1686.7	1720.6	1746.4	1749.7	1754.6	1749.7	1749.7	1756.2	1772.3	1775.5	1777.2
12.5°	1664.1	1711.0	1735.1	1738.4	1744.8	1743.2	1741.6	1748.1	1764.3	1767.5	1767.5
15°	1638.2	1693.1	1715.8	1719.0	1730.3	1727.1	1727.1	1733.5	1751.3	1756.2	1754.6
17.5°	1602.7	1670.6	1696.4	1701.2	1709.3	1707.7	1709.3	1715.8	1731.9	1735.1	1736.8
20°	1562.3	1639.8	1670.6	1675.4	1683.5	1683.5	1683.5	1691.5	1707.7	1714.2	1714.2
22.5°	1507.4	1607.5	1639.8	1643.1	1652.7	1652.7	1656.0	1667.3	1681.8	1683.5	1683.5
25°	1442.8	1572.0	1599.4	1609.1	1618.8	1623.7	1628.6	1635.0	1639.8	1638.2	1639.8
27.5°	1374.9	1526.7	1562.3	1568.7	1581.7	1586.5	1593.0	1594.6	1596.2	1601.0	1597.8
30°	1298.9	1463.7	1517.0	1523.5	1544.5	1547.8	1541.3	1544.5	1552.6	1555.8	1559.0
32.5°	1213.3	1370.0	1470.2	1484.7	1504.1	1494.5	1492.8	1497.7	1510.6	1510.6	1513.8
35°	1097.0	1297.3	1426.6	1439.5	1454.1	1442.8	1449.2	1450.8	1458.9	1463.7	1462.1
37.5°	969.4	1234.3	1381.3	1391.0	1402.4	1387.8	1397.5	1402.4	1408.8	1405.6	1405.6
40°	856.2	1135.8	1328.0	1334.5	1344.1	1332.9	1342.5	1345.8	1349.0	1345.8	1344.1
42.5°	772.2	1027.5	1271.5	1279.6	1273.1	1281.2	1284.4	1290.9	1286.0	1279.6	1279.6
45°	707.6	998.5	1210.1	1219.8	1210.1	1223.0	1227.9	1227.9	1213.3	1210.1	1208.4
47.5°	686.6	940.3	1148.7	1148.7	1143.9	1160.0	1168.0	1156.8	1142.3	1137.4	1137.4
50°	685.0	875.7	1064.7	1058.2	1080.8	1100.2	1092.2	1080.8	1069.5	1051.8	1051.8
52.5°	622.0	796.5	956.5	980.7	1016.2	1027.5	1014.6	1003.3	983.9	975.8	969.4
55°	576.8	714.1	857.8	906.3	943.5	958.1	933.8	922.5	893.4	888.6	885.4
57.5°	567.1	594.5	767.4	828.8	874.1	872.5	857.8	836.9	812.6	807.8	806.2
60°	520.3	429.8	670.5	743.2	790.0	785.2	772.2	752.9	730.2	727.0	723.8
62.5°	471.8	311.8	560.6	643.0	709.2	707.6	696.4	667.2	651.1	643.0	636.5
65°	400.7	261.7	399.1	534.8	630.1	633.3	609.1	588.1	570.3	560.6	559.0
67.5°	305.4	213.3	269.8	445.9	554.2	550.9	520.3	510.5	487.9	483.1	473.4
70°	226.2	142.2	187.4	361.9	479.9	471.8	447.5	436.2	415.2	403.9	397.4
72.5°	187.4	114.7	137.3	281.1	403.9	394.2	373.2	360.3	342.5	332.8	326.3
75°	151.8	121.2	105.0	208.4	327.9	321.5	302.1	289.2	274.6	261.7	263.3
77.5°	111.5	113.1	84.0	153.5	260.1	250.5	239.1	223.0	216.5	203.6	203.6
80°	84.0	88.9	63.0	105.0	187.4	187.4	177.7	166.4	155.1	148.6	148.6
82.5°	56.5	56.5	46.8	66.2	127.6	122.8	116.4	113.1	106.6	103.4	103.4
85°	25.9	32.3	29.1	40.4	69.5	72.7	72.7	69.5	67.9	64.6	66.2
87.5°	8.1	14.5	17.7	22.6	35.6	37.2	38.8	38.8	38.8	40.4	40.4
90°	7.5	13.4	19.4	20.9	32.8	48.8	56.8	50.4	37.8	28.3	28.3
92.5°	29.9	80.6	131.5	144.1	202.6	280.6	319.6	280.1	201.2	141.9	136.3
95°	71.7	164.6	257.6	280.8	498.6	789.0	934.2	833.7	632.5	481.6	464.5
97.5°	124.0	206.0	288.0	308.4	671.6	1155.8	1397.9	1334.3	1207.2	1111.9	1079.4
100°	164.3	238.7	313.0	331.6	734.6	1271.9	1540.6	1545.2	1554.5	1561.5	1522.7
102.5°	198.7	268.0	337.3	354.7	763.4	1308.4	1580.9	1661.9	1823.9	1945.3	1912.2
105°	256.9	315.7	374.4	389.1	784.9	1312.6	1576.4	1758.0	2121.1	2393.4	2375.6
107.5°	316.6	371.4	426.2	439.9	788.9	1254.2	1486.8	1740.1	2246.6	2626.4	2630.7
110°	356.9	406.4	455.9	468.2	782.8	1202.4	1412.2	1695.3	2261.5	2686.1	2704.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	396.5	443.7	490.8	502.6	783.2	1157.2	1344.2	1633.9	2213.5	2648.1	2676.6
115°	456.3	499.7	543.2	554.1	790.3	1105.3	1262.8	1541.9	2100.2	2518.9	2558.4
117.5°	515.3	554.8	594.2	604.1	805.0	1072.8	1206.7	1458.6	1962.5	2340.3	2384.3
120°	549.7	586.8	623.9	633.2	817.0	1061.9	1184.3	1414.5	1874.8	2220.1	2262.8
122.5°	583.2	620.7	658.2	667.6	834.2	1056.2	1167.2	1374.4	1789.0	2099.9	2142.0
125°	634.8	669.0	703.2	711.7	857.3	1051.4	1148.5	1324.6	1676.7	1940.9	1979.6
127.5°	676.6	711.1	745.7	754.3	880.5	1048.7	1132.9	1284.1	1586.4	1813.2	1845.9
130°	699.0	736.2	773.3	782.6	897.4	1050.3	1126.8	1261.4	1530.6	1732.5	1762.7
132.5°	722.1	759.3	796.4	805.7	911.0	1051.4	1121.6	1242.1	1483.1	1663.8	1690.9
135°	756.5	790.3	824.2	832.6	926.0	1050.5	1112.7	1213.6	1415.4	1566.7	1590.0
137.5°	791.6	825.1	858.6	867.0	948.4	1056.9	1111.2	1196.5	1367.1	1495.0	1514.1
140°	820.7	851.5	882.4	890.1	962.1	1058.0	1106.0	1179.7	1327.0	1437.5	1455.4
142.5°	843.1	871.7	900.2	907.3	973.6	1061.8	1106.0	1170.7	1300.1	1397.2	1412.6
145°	877.4	902.3	927.2	933.5	988.5	1061.8	1098.5	1151.4	1257.3	1336.8	1348.4
147.5°	911.8	936.1	960.3	966.3	1010.4	1069.1	1098.5	1140.2	1223.5	1285.9	1295.6
150°	934.2	956.1	978.1	983.5	1021.8	1073.0	1098.5	1133.7	1204.0	1256.8	1264.6
152.5°	957.3	974.0	990.5	994.7	1029.3	1075.5	1098.5	1128.5	1188.6	1233.6	1239.5
155°	991.7	1004.0	1016.3	1019.3	1045.7	1080.9	1098.5	1122.4	1170.2	1206.0	1210.0
157.5°	1017.1	1029.0	1041.0	1044.0	1062.1	1086.4	1098.5	1117.1	1154.2	1182.1	1184.8
160°	1034.3	1043.6	1052.9	1055.2	1069.7	1088.9	1098.5	1114.4	1146.3	1170.2	1171.8
162.5°	1051.4	1058.4	1065.3	1067.1	1077.5	1091.5	1098.5	1111.9	1138.8	1159.0	1160.5
165°	1070.2	1076.4	1082.7	1084.3	1089.0	1095.4	1098.5	1108.1	1127.3	1141.8	1143.4
167.5°	1087.3	1090.2	1093.3	1094.0	1098.0	1103.3	1106.0	1112.2	1124.8	1134.3	1135.0
170°	1098.5	1101.5	1104.5	1105.2	1105.5	1105.8	1106.0	1112.2	1124.8	1134.3	1134.3
172.5°	1104.4	1105.1	1105.8	1106.0	1106.0	1106.0	1106.0	1111.0	1120.9	1128.4	1127.8
175°	1112.7	1112.7	1112.7	1112.7	1110.5	1107.5	1106.0	1109.1	1115.4	1120.2	1120.2
177.5°	1112.7	1112.7	1112.7	1112.7	1111.0	1108.6	1107.5	1110.0	1115.0	1118.7	1118.0
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1751.3	1746.4	1751.3	1748.1	1749.7	1744.8	1730.3	1725.5	1730.3	1735.1	1735.1
5°	1772.3	1769.1	1772.3	1772.3	1770.7	1767.5	1751.3	1748.1	1751.3	1752.9	1749.7
7.5°	1778.8	1773.9	1778.8	1775.5	1775.5	1772.3	1756.2	1752.9	1754.6	1759.4	1754.6
10°	1778.8	1773.9	1778.8	1777.2	1775.5	1772.3	1756.2	1749.7	1749.7	1754.6	1749.7
12.5°	1770.7	1767.5	1770.7	1767.5	1767.5	1764.3	1748.1	1741.6	1743.2	1744.8	1738.4
15°	1757.8	1752.9	1757.8	1754.6	1756.2	1751.3	1733.5	1727.1	1727.1	1730.3	1719.0
17.5°	1738.4	1731.9	1738.4	1736.8	1735.1	1731.9	1715.8	1709.3	1707.7	1709.3	1701.2
20°	1715.8	1711.0	1715.8	1714.2	1714.2	1707.7	1691.5	1683.5	1683.5	1683.5	1675.4
22.5°	1680.2	1675.4	1680.2	1683.5	1683.5	1681.8	1667.3	1656.0	1652.7	1652.7	1643.1
25°	1639.8	1635.0	1639.8	1639.8	1638.2	1639.8	1635.0	1628.6	1623.7	1618.8	1609.1
27.5°	1601.0	1597.8	1601.0	1597.8	1601.0	1596.2	1594.6	1593.0	1586.5	1581.7	1568.7
30°	1562.3	1559.0	1562.3	1559.0	1555.8	1552.6	1544.5	1541.3	1547.8	1544.5	1523.5
32.5°	1513.8	1510.6	1513.8	1513.8	1510.6	1510.6	1497.7	1492.8	1494.5	1504.1	1484.7
35°	1463.7	1458.9	1463.7	1462.1	1463.7	1458.9	1450.8	1449.2	1442.8	1454.1	1439.5
37.5°	1405.6	1400.8	1405.6	1405.6	1405.6	1408.8	1402.4	1397.5	1387.8	1402.4	1391.0
40°	1345.8	1339.3	1345.8	1344.1	1345.8	1349.0	1345.8	1342.5	1332.9	1344.1	1334.5
42.5°	1278.0	1276.3	1278.0	1279.6	1279.6	1286.0	1290.9	1284.4	1281.2	1273.1	1279.6
45°	1205.2	1202.0	1205.2	1208.4	1210.1	1213.3	1227.9	1227.9	1223.0	1210.1	1219.8
47.5°	1127.7	1119.6	1127.7	1137.4	1137.4	1142.3	1156.8	1168.0	1160.0	1143.9	1148.7
50°	1045.3	1046.9	1045.3	1051.8	1051.8	1069.5	1080.8	1092.2	1100.2	1080.8	1058.2
52.5°	964.5	962.9	964.5	969.4	975.8	983.9	1003.3	1014.6	1027.5	1016.2	980.7
55°	883.7	887.0	883.7	885.4	888.6	893.4	922.5	933.8	958.1	943.5	906.3
57.5°	802.9	798.1	802.9	806.2	807.8	812.6	836.9	857.8	872.5	874.1	828.8
60°	709.2	702.8	709.2	723.8	727.0	730.2	752.9	772.2	785.2	790.0	743.2
62.5°	626.8	615.6	626.8	636.5	643.0	651.1	667.2	696.4	707.6	709.2	643.0
65°	539.6	534.8	539.6	559.0	560.6	570.3	588.1	609.1	633.3	630.1	534.8
67.5°	460.4	460.4	460.4	473.4	483.1	487.9	510.5	520.3	550.9	554.2	445.9
70°	387.8	386.2	387.8	397.4	403.9	415.2	436.2	447.5	471.8	479.9	361.9
72.5°	318.3	316.6	318.3	326.3	332.8	342.5	360.3	373.2	394.2	403.9	281.1
75°	256.9	253.7	256.9	263.3	261.7	274.6	289.2	302.1	321.5	327.9	208.4
77.5°	197.1	197.1	197.1	203.6	203.6	216.5	223.0	239.1	250.5	260.1	153.5
80°	147.0	145.4	147.0	148.6	148.6	155.1	166.4	177.7	187.4	187.4	105.0
82.5°	103.4	100.1	103.4	103.4	103.4	106.6	113.1	116.4	122.8	127.6	66.2
85°	64.6	64.6	64.6	66.2	64.6	67.9	69.5	72.7	72.7	69.5	40.4
87.5°	42.0	40.4	42.0	40.4	40.4	38.8	38.8	38.8	37.2	35.6	22.6
90°	28.3	28.3	28.3	28.3	28.3	37.8	50.4	56.8	48.8	32.8	20.9
92.5°	113.7	91.1	113.7	136.3	141.9	201.2	280.1	319.6	280.6	202.6	144.1
95°	396.2	327.9	396.2	464.5	481.6	632.5	833.7	934.2	789.0	498.6	280.8
97.5°	949.3	819.2	949.3	1079.4	1111.9	1207.2	1334.3	1397.9	1155.8	671.6	308.4
100°	1367.7	1212.8	1367.7	1522.7	1561.5	1554.5	1545.2	1540.6	1271.9	734.6	331.6
102.5°	1779.4	1646.6	1779.4	1912.2	1945.3	1823.9	1661.9	1580.9	1308.4	763.4	354.7
105°	2304.2	2232.8	2304.2	2375.6	2393.4	2121.1	1758.0	1576.4	1312.6	784.9	389.1
107.5°	2648.0	2665.2	2648.0	2630.7	2626.4	2246.6	1740.1	1486.8	1254.2	788.9	439.9
110°	2779.0	2853.4	2779.0	2704.7	2686.1	2261.5	1695.3	1412.2	1202.4	782.8	468.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2790.7	2904.9	2790.7	2676.6	2648.1	2213.5	1633.9	1344.2	1157.2	783.2	502.6
115°	2716.7	2875.1	2716.7	2558.4	2518.9	2100.2	1541.9	1262.8	1105.3	790.3	554.1
117.5°	2559.8	2735.4	2559.8	2384.3	2340.3	1962.5	1458.6	1206.7	1072.8	805.0	604.1
120°	2433.4	2604.0	2433.4	2262.8	2220.1	1874.8	1414.5	1184.3	1061.9	817.0	633.2
122.5°	2310.2	2478.5	2310.2	2142.0	2099.9	1789.0	1374.4	1167.2	1056.2	834.2	667.6
125°	2134.6	2289.6	2134.6	1979.6	1940.9	1676.7	1324.6	1148.5	1051.4	857.3	711.7
127.5°	1976.7	2107.4	1976.7	1845.9	1813.2	1586.4	1284.1	1132.9	1048.7	880.5	754.3
130°	1883.5	2004.4	1883.5	1762.7	1732.5	1530.6	1261.4	1126.8	1050.3	897.4	782.6
132.5°	1799.0	1907.3	1799.0	1690.9	1663.8	1483.1	1242.1	1121.6	1051.4	911.0	805.7
135°	1683.3	1776.6	1683.3	1590.0	1566.7	1415.4	1213.6	1112.7	1050.5	926.0	832.6
137.5°	1590.4	1666.8	1590.4	1514.1	1495.0	1367.1	1196.5	1111.2	1056.9	948.4	867.0
140°	1526.7	1598.1	1526.7	1455.4	1437.5	1327.0	1179.7	1106.0	1058.0	962.1	890.1
142.5°	1474.0	1535.3	1474.0	1412.6	1397.2	1300.1	1170.7	1106.0	1061.8	973.6	907.3
145°	1394.8	1441.2	1394.8	1348.4	1336.8	1257.3	1151.4	1098.5	1061.8	988.5	933.5
147.5°	1334.0	1372.6	1334.0	1295.6	1285.9	1223.5	1140.2	1098.5	1069.1	1010.4	966.3
150°	1295.8	1327.0	1295.8	1264.6	1256.8	1204.0	1133.7	1098.5	1073.0	1021.8	983.5
152.5°	1263.1	1286.6	1263.1	1239.5	1233.6	1188.6	1128.5	1098.5	1075.5	1029.3	994.7
155°	1225.5	1241.1	1225.5	1210.0	1206.0	1170.2	1122.4	1098.5	1080.9	1045.7	1019.3
157.5°	1195.8	1206.7	1195.8	1184.8	1182.1	1154.2	1117.1	1098.5	1086.4	1062.1	1044.0
160°	1178.1	1184.3	1178.1	1171.8	1170.2	1146.3	1114.4	1098.5	1088.9	1069.7	1055.2
162.5°	1166.4	1172.5	1166.4	1160.5	1159.0	1138.8	1111.9	1098.5	1091.5	1077.5	1067.1
165°	1149.7	1156.0	1149.7	1143.4	1141.8	1127.3	1108.1	1098.5	1095.4	1089.0	1084.3
167.5°	1137.7	1140.3	1137.7	1135.0	1134.3	1124.8	1112.2	1106.0	1103.3	1098.0	1094.0
170°	1134.3	1134.3	1134.3	1134.3	1134.3	1124.8	1112.2	1106.0	1105.8	1105.5	1105.2
172.5°	1125.5	1123.2	1125.5	1127.8	1128.4	1120.9	1111.0	1106.0	1106.0	1106.0	1106.0
175°	1120.2	1120.2	1120.2	1120.2	1120.2	1115.4	1109.1	1106.0	1107.5	1110.5	1112.7
177.5°	1115.4	1112.7	1115.4	1118.0	1118.7	1115.0	1110.0	1107.5	1108.6	1111.0	1112.7
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1731.9	1722.2	1722.2	1706.1	1699.6	1694.7	1686.7	1662.5	1656.0	1649.5	1659.2
5°	1746.4	1728.7	1715.8	1686.7	1662.5	1652.7	1622.1	1563.9	1525.1	1496.1	1479.9
7.5°	1749.7	1727.1	1702.8	1657.6	1599.4	1573.6	1479.9	1373.3	1344.1	1318.4	1302.1
10°	1746.4	1720.6	1686.7	1618.8	1481.5	1436.2	1342.5	1273.1	1255.3	1250.5	1255.3
12.5°	1735.1	1711.0	1664.1	1551.0	1358.8	1328.0	1273.1	1232.7	1229.5	1237.6	1281.2
15°	1715.8	1693.1	1638.2	1460.5	1290.9	1268.3	1229.5	1214.9	1232.7	1289.2	1420.1
17.5°	1696.4	1670.6	1602.7	1371.7	1239.2	1223.0	1195.5	1224.7	1324.8	1400.8	1444.4
20°	1670.6	1639.8	1562.3	1307.0	1202.0	1187.5	1174.5	1305.4	1381.3	1408.8	1433.0
22.5°	1639.8	1607.5	1507.4	1261.8	1163.2	1151.9	1160.0	1350.6	1381.3	1400.8	1421.7
25°	1599.4	1572.0	1442.8	1226.3	1132.6	1119.6	1150.3	1345.8	1363.6	1368.4	1410.4
27.5°	1562.3	1526.7	1374.9	1193.9	1095.4	1090.6	1158.4	1324.8	1337.7	1342.5	1387.8
30°	1517.0	1463.7	1298.9	1160.0	1056.6	1055.0	1160.0	1298.9	1295.7	1308.6	1353.9
32.5°	1470.2	1370.0	1213.3	1118.0	1019.4	1017.8	1148.7	1260.1	1256.9	1274.7	1308.6
35°	1426.6	1297.3	1097.0	1069.5	972.6	974.2	1121.2	1214.9	1216.5	1232.7	1253.7
37.5°	1381.3	1234.3	969.4	1016.2	927.4	927.4	1084.0	1172.9	1169.7	1174.5	1203.6
40°	1328.0	1135.8	856.2	946.7	885.4	880.5	1038.8	1127.7	1116.4	1114.8	1155.1
42.5°	1271.5	1027.5	772.2	854.6	836.9	830.4	983.9	1072.7	1051.8	1056.6	1108.3
45°	1210.1	998.5	707.6	722.1	786.8	782.0	924.1	1009.8	995.2	1008.2	1061.5
47.5°	1148.7	940.3	686.6	599.4	733.5	731.9	857.8	948.3	940.3	953.2	1009.8
50°	1064.7	875.7	685.0	513.8	673.7	680.1	778.7	888.6	888.6	899.9	959.7
52.5°	956.5	796.5	622.0	465.3	604.3	623.6	709.2	836.9	840.1	851.4	904.7
55°	857.8	714.1	576.8	428.2	521.9	563.9	641.4	783.6	790.0	801.3	849.8
57.5°	767.4	594.5	567.1	384.5	445.9	486.3	581.6	731.9	735.1	744.8	791.7
60°	670.5	429.8	520.3	337.7	379.7	410.3	526.7	670.5	681.7	688.3	728.6
62.5°	560.6	311.8	471.8	305.4	347.4	353.8	481.5	612.3	626.8	631.7	656.0
65°	399.1	261.7	400.7	277.9	313.4	315.0	433.0	552.5	565.5	573.5	591.3
67.5°	269.8	213.3	305.4	252.1	287.6	289.2	386.2	483.1	500.8	507.3	518.6
70°	187.4	142.2	226.2	224.6	258.5	261.7	336.1	420.0	436.2	441.1	447.5
72.5°	137.3	114.7	187.4	202.0	227.8	231.0	284.3	349.0	365.1	369.9	373.2
75°	105.0	121.2	151.8	176.1	193.8	195.5	232.6	284.3	295.7	298.9	300.5
77.5°	84.0	113.1	111.5	142.2	158.4	155.1	182.6	219.7	229.4	229.4	229.4
80°	63.0	88.9	84.0	101.8	116.4	113.1	130.9	156.7	160.0	163.2	161.6
82.5°	46.8	56.5	56.5	64.6	77.6	74.4	87.2	101.8	101.8	101.8	105.0
85°	29.1	32.3	25.9	34.0	43.6	42.0	48.5	54.9	56.5	56.5	53.3
87.5°	17.7	14.5	8.1	12.9	19.4	19.4	22.6	24.3	22.6	22.6	22.6
90°	19.4	13.4	7.5	13.4	19.4	20.9	32.8	48.8	56.8	50.4	37.8
92.5°	131.5	80.6	29.9	80.6	131.5	144.1	202.6	280.6	319.6	280.1	201.2
95°	257.6	164.6	71.7	164.6	257.6	280.8	498.6	789.0	934.2	833.7	632.5
97.5°	288.0	206.0	124.0	206.0	288.0	308.4	671.6	1155.8	1397.9	1334.3	1207.2
100°	313.0	238.7	164.3	238.7	313.0	331.6	734.6	1271.9	1540.6	1545.2	1554.5
102.5°	337.3	268.0	198.7	268.0	337.3	354.7	763.4	1308.4	1580.9	1661.9	1823.9
105°	374.4	315.7	256.9	315.7	374.4	389.1	784.9	1312.6	1576.4	1758.0	2121.1
107.5°	426.2	371.4	316.6	371.4	426.2	439.9	788.9	1254.2	1486.8	1740.1	2246.6
110°	455.9	406.4	356.9	406.4	455.9	468.2	782.8	1202.4	1412.2	1695.3	2261.5



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CATALOG NUMBER: SQ4-FA-075U-050D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	490.8	443.7	396.5	443.7	490.8	502.6	783.2	1157.2	1344.2	1633.9	2213.5
115°	543.2	499.7	456.3	499.7	543.2	554.1	790.3	1105.3	1262.8	1541.9	2100.2
117.5°	594.2	554.8	515.3	554.8	594.2	604.1	805.0	1072.8	1206.7	1458.6	1962.5
120°	623.9	586.8	549.7	586.8	623.9	633.2	817.0	1061.9	1184.3	1414.5	1874.8
122.5°	658.2	620.7	583.2	620.7	658.2	667.6	834.2	1056.2	1167.2	1374.4	1789.0
125°	703.2	669.0	634.8	669.0	703.2	711.7	857.3	1051.4	1148.5	1324.6	1676.7
127.5°	745.7	711.1	676.6	711.1	745.7	754.3	880.5	1048.7	1132.9	1284.1	1586.4
130°	773.3	736.2	699.0	736.2	773.3	782.6	897.4	1050.3	1126.8	1261.4	1530.6
132.5°	796.4	759.3	722.1	759.3	796.4	805.7	911.0	1051.4	1121.6	1242.1	1483.1
135°	824.2	790.3	756.5	790.3	824.2	832.6	926.0	1050.5	1112.7	1213.6	1415.4
137.5°	858.6	825.1	791.6	825.1	858.6	867.0	948.4	1056.9	1111.2	1196.5	1367.1
140°	882.4	851.5	820.7	851.5	882.4	890.1	962.1	1058.0	1106.0	1179.7	1327.0
142.5°	900.2	871.7	843.1	871.7	900.2	907.3	973.6	1061.8	1106.0	1170.7	1300.1
145°	927.2	902.3	877.4	902.3	927.2	933.5	988.5	1061.8	1098.5	1151.4	1257.3
147.5°	960.3	936.1	911.8	936.1	960.3	966.3	1010.4	1069.1	1098.5	1140.2	1223.5
150°	978.1	956.1	934.2	956.1	978.1	983.5	1021.8	1073.0	1098.5	1133.7	1204.0
152.5°	990.5	974.0	957.3	974.0	990.5	994.7	1029.3	1075.5	1098.5	1128.5	1188.6
155°	1016.3	1004.0	991.7	1004.0	1016.3	1019.3	1045.7	1080.9	1098.5	1122.4	1170.2
157.5°	1041.0	1029.0	1017.1	1029.0	1041.0	1044.0	1062.1	1086.4	1098.5	1117.1	1154.2
160°	1052.9	1043.6	1034.3	1043.6	1052.9	1055.2	1069.7	1088.9	1098.5	1114.4	1146.3
162.5°	1065.3	1058.4	1051.4	1058.4	1065.3	1067.1	1077.5	1091.5	1098.5	1111.9	1138.8
165°	1082.7	1076.4	1070.2	1076.4	1082.7	1084.3	1089.0	1095.4	1098.5	1108.1	1127.3
167.5°	1093.3	1090.2	1087.3	1090.2	1093.3	1094.0	1098.0	1103.3	1106.0	1112.2	1124.8
170°	1104.5	1101.5	1098.5	1101.5	1104.5	1105.2	1105.5	1105.8	1106.0	1112.2	1124.8
172.5°	1105.8	1105.1	1104.4	1105.1	1105.8	1106.0	1106.0	1106.0	1106.0	1111.0	1120.9
175°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1110.5	1107.5	1106.0	1109.1	1115.4
177.5°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1111.0	1108.6	1107.5	1110.0	1115.0
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1647.9	1643.1	1649.5	1631.8	1649.5	1643.1	1647.9	1659.2	1649.5	1656.0	1662.5
5°	1446.0	1437.9	1412.1	1391.0	1412.1	1437.9	1446.0	1479.9	1496.1	1525.1	1563.9
7.5°	1292.5	1286.0	1279.6	1266.7	1279.6	1286.0	1292.5	1302.1	1318.4	1344.1	1373.3
10°	1258.5	1260.1	1269.9	1268.3	1269.9	1260.1	1258.5	1255.3	1250.5	1255.3	1273.1
12.5°	1345.8	1360.4	1413.7	1410.4	1413.7	1360.4	1345.8	1281.2	1237.6	1229.5	1232.7
15°	1446.0	1450.8	1462.1	1463.7	1462.1	1450.8	1446.0	1420.1	1289.2	1232.7	1214.9
17.5°	1455.7	1457.3	1465.3	1465.3	1465.3	1457.3	1455.7	1444.4	1400.8	1324.8	1224.7
20°	1447.6	1450.8	1467.0	1470.2	1467.0	1450.8	1447.6	1433.0	1408.8	1381.3	1305.4
22.5°	1444.4	1450.8	1463.7	1462.1	1463.7	1450.8	1444.4	1421.7	1400.8	1381.3	1350.6
25°	1428.2	1428.2	1429.8	1431.4	1429.8	1428.2	1428.2	1410.4	1368.4	1363.6	1345.8
27.5°	1394.2	1397.5	1407.2	1405.6	1407.2	1397.5	1394.2	1387.8	1342.5	1337.7	1324.8
30°	1363.6	1360.4	1352.3	1345.8	1352.3	1360.4	1363.6	1353.9	1308.6	1295.7	1298.9
32.5°	1311.9	1303.8	1295.7	1290.9	1295.7	1303.8	1311.9	1308.6	1274.7	1256.9	1260.1
35°	1250.5	1252.1	1250.5	1245.6	1250.5	1252.1	1250.5	1253.7	1232.7	1216.5	1214.9
37.5°	1206.8	1210.1	1208.4	1202.0	1208.4	1210.1	1206.8	1203.6	1174.5	1169.7	1172.9
40°	1161.6	1163.2	1161.6	1156.8	1161.6	1163.2	1161.6	1155.1	1114.8	1116.4	1127.7
42.5°	1118.0	1116.4	1111.5	1108.3	1111.5	1116.4	1118.0	1108.3	1056.6	1051.8	1072.7
45°	1067.9	1069.5	1059.8	1055.0	1059.8	1069.5	1067.9	1061.5	1008.2	995.2	1009.8
47.5°	1017.8	1017.8	1009.8	1004.9	1009.8	1017.8	1017.8	1009.8	953.2	940.3	948.3
50°	964.5	962.9	951.6	949.9	951.6	962.9	964.5	959.7	899.9	888.6	888.6
52.5°	903.1	903.1	904.7	908.0	904.7	903.1	903.1	904.7	851.4	840.1	836.9
55°	849.8	851.4	862.7	866.0	862.7	851.4	849.8	849.8	801.3	790.0	783.6
57.5°	794.9	794.9	802.9	802.9	802.9	794.9	794.9	791.7	744.8	735.1	731.9
60°	731.9	735.1	741.6	740.0	741.6	735.1	731.9	728.6	688.3	681.7	670.5
62.5°	665.6	668.9	670.5	667.2	670.5	668.9	665.6	656.0	631.7	626.8	612.3
65°	596.1	599.4	601.0	597.8	601.0	599.4	596.1	591.3	573.5	565.5	552.5
67.5°	525.1	523.5	521.9	528.3	521.9	523.5	525.1	518.6	507.3	500.8	483.1
70°	452.3	452.3	450.7	454.0	450.7	452.3	452.3	447.5	441.1	436.2	420.0
72.5°	374.8	373.2	379.7	374.8	379.7	373.2	374.8	373.2	369.9	365.1	349.0
75°	298.9	302.1	298.9	303.7	298.9	302.1	298.9	300.5	298.9	295.7	284.3
77.5°	227.8	231.0	227.8	227.8	227.8	231.0	227.8	229.4	229.4	229.4	219.7
80°	161.6	160.0	160.0	158.4	160.0	160.0	161.6	161.6	163.2	160.0	156.7
82.5°	103.4	101.8	101.8	105.0	101.8	101.8	103.4	105.0	101.8	101.8	101.8
85°	56.5	58.1	54.9	54.9	54.9	58.1	56.5	53.3	56.5	56.5	54.9
87.5°	21.0	19.4	19.4	19.4	19.4	19.4	21.0	22.6	22.6	22.6	24.3
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	37.8	50.4	56.8	48.8
92.5°	141.9	136.3	113.7	91.1	113.7	136.3	141.9	201.2	280.1	319.6	280.6
95°	481.6	464.5	396.2	327.9	396.2	464.5	481.6	632.5	833.7	934.2	789.0
97.5°	1111.9	1079.4	949.3	819.2	949.3	1079.4	1111.9	1207.2	1334.3	1397.9	1155.8
100°	1561.5	1522.7	1367.7	1212.8	1367.7	1522.7	1561.5	1554.5	1545.2	1540.6	1271.9
102.5°	1945.3	1912.2	1779.4	1646.6	1779.4	1912.2	1945.3	1823.9	1661.9	1580.9	1308.4
105°	2393.4	2375.6	2304.2	2232.8	2304.2	2375.6	2393.4	2121.1	1758.0	1576.4	1312.6
107.5°	2626.4	2630.7	2648.0	2665.2	2648.0	2630.7	2626.4	2246.6	1740.1	1486.8	1254.2
110°	2686.1	2704.7	2779.0	2853.4	2779.0	2704.7	2686.1	2261.5	1695.3	1412.2	1202.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2648.1	2676.6	2790.7	2904.9	2790.7	2676.6	2648.1	2213.5	1633.9	1344.2	1157.2
115°	2518.9	2558.4	2716.7	2875.1	2716.7	2558.4	2518.9	2100.2	1541.9	1262.8	1105.3
117.5°	2340.3	2384.3	2559.8	2735.4	2559.8	2384.3	2340.3	1962.5	1458.6	1206.7	1072.8
120°	2220.1	2262.8	2433.4	2604.0	2433.4	2262.8	2220.1	1874.8	1414.5	1184.3	1061.9
122.5°	2099.9	2142.0	2310.2	2478.5	2310.2	2142.0	2099.9	1789.0	1374.4	1167.2	1056.2
125°	1940.9	1979.6	2134.6	2289.6	2134.6	1979.6	1940.9	1676.7	1324.6	1148.5	1051.4
127.5°	1813.2	1845.9	1976.7	2107.4	1976.7	1845.9	1813.2	1586.4	1284.1	1132.9	1048.7
130°	1732.5	1762.7	1883.5	2004.4	1883.5	1762.7	1732.5	1530.6	1261.4	1126.8	1050.3
132.5°	1663.8	1690.9	1799.0	1907.3	1799.0	1690.9	1663.8	1483.1	1242.1	1121.6	1051.4
135°	1566.7	1590.0	1683.3	1776.6	1683.3	1590.0	1566.7	1415.4	1213.6	1112.7	1050.5
137.5°	1495.0	1514.1	1590.4	1666.8	1590.4	1514.1	1495.0	1367.1	1196.5	1111.2	1056.9
140°	1437.5	1455.4	1526.7	1598.1	1526.7	1455.4	1437.5	1327.0	1179.7	1106.0	1058.0
142.5°	1397.2	1412.6	1474.0	1535.3	1474.0	1412.6	1397.2	1300.1	1170.7	1106.0	1061.8
145°	1336.8	1348.4	1394.8	1441.2	1394.8	1348.4	1336.8	1257.3	1151.4	1098.5	1061.8
147.5°	1285.9	1295.6	1334.0	1372.6	1334.0	1295.6	1285.9	1223.5	1140.2	1098.5	1069.1
150°	1256.8	1264.6	1295.8	1327.0	1295.8	1264.6	1256.8	1204.0	1133.7	1098.5	1073.0
152.5°	1233.6	1239.5	1263.1	1286.6	1263.1	1239.5	1233.6	1188.6	1128.5	1098.5	1075.5
155°	1206.0	1210.0	1225.5	1241.1	1225.5	1210.0	1206.0	1170.2	1122.4	1098.5	1080.9
157.5°	1182.1	1184.8	1195.8	1206.7	1195.8	1184.8	1182.1	1154.2	1117.1	1098.5	1086.4
160°	1170.2	1171.8	1178.1	1184.3	1178.1	1171.8	1170.2	1146.3	1114.4	1098.5	1088.9
162.5°	1159.0	1160.5	1166.4	1172.5	1166.4	1160.5	1159.0	1138.8	1111.9	1098.5	1091.5
165°	1141.8	1143.4	1149.7	1156.0	1149.7	1143.4	1141.8	1127.3	1108.1	1098.5	1095.4
167.5°	1134.3	1135.0	1137.7	1140.3	1137.7	1135.0	1134.3	1124.8	1112.2	1106.0	1103.3
170°	1134.3	1134.3	1134.3	1134.3	1134.3	1134.3	1134.3	1124.8	1112.2	1106.0	1105.8
172.5°	1128.4	1127.8	1125.5	1123.2	1125.5	1127.8	1128.4	1120.9	1111.0	1106.0	1106.0
175°	1120.2	1120.2	1120.2	1120.2	1120.2	1120.2	1120.2	1115.4	1109.1	1106.0	1107.5
177.5°	1118.7	1118.0	1115.4	1112.7	1115.4	1118.0	1118.7	1115.0	1110.0	1107.5	1108.6
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1686.7	1694.7	1699.6	1706.1	1722.2
5°	1622.1	1652.7	1662.5	1686.7	1715.8
7.5°	1479.9	1573.6	1599.4	1657.6	1702.8
10°	1342.5	1436.2	1481.5	1618.8	1686.7
12.5°	1273.1	1328.0	1358.8	1551.0	1664.1
15°	1229.5	1268.3	1290.9	1460.5	1638.2
17.5°	1195.5	1223.0	1239.2	1371.7	1602.7
20°	1174.5	1187.5	1202.0	1307.0	1562.3
22.5°	1160.0	1151.9	1163.2	1261.8	1507.4
25°	1150.3	1119.6	1132.6	1226.3	1442.8
27.5°	1158.4	1090.6	1095.4	1193.9	1374.9
30°	1160.0	1055.0	1056.6	1160.0	1298.9
32.5°	1148.7	1017.8	1019.4	1118.0	1213.3
35°	1121.2	974.2	972.6	1069.5	1097.0
37.5°	1084.0	927.4	927.4	1016.2	969.4
40°	1038.8	880.5	885.4	946.7	856.2
42.5°	983.9	830.4	836.9	854.6	772.2
45°	924.1	782.0	786.8	722.1	707.6
47.5°	857.8	731.9	733.5	599.4	686.6
50°	778.7	680.1	673.7	513.8	685.0
52.5°	709.2	623.6	604.3	465.3	622.0
55°	641.4	563.9	521.9	428.2	576.8
57.5°	581.6	486.3	445.9	384.5	567.1
60°	526.7	410.3	379.7	337.7	520.3
62.5°	481.5	353.8	347.4	305.4	471.8
65°	433.0	315.0	313.4	277.9	400.7
67.5°	386.2	289.2	287.6	252.1	305.4
70°	336.1	261.7	258.5	224.6	226.2
72.5°	284.3	231.0	227.8	202.0	187.4
75°	232.6	195.5	193.8	176.1	151.8
77.5°	182.6	155.1	158.4	142.2	111.5
80°	130.9	113.1	116.4	101.8	84.0
82.5°	87.2	74.4	77.6	64.6	56.5
85°	48.5	42.0	43.6	34.0	25.9
87.5°	22.6	19.4	19.4	12.9	8.1
90°	32.8	20.9	19.4	13.4	7.5
92.5°	202.6	144.1	131.5	80.6	29.9
95°	498.6	280.8	257.6	164.6	71.7
97.5°	671.6	308.4	288.0	206.0	124.0
100°	734.6	331.6	313.0	238.7	164.3
102.5°	763.4	354.7	337.3	268.0	198.7
105°	784.9	389.1	374.4	315.7	256.9
107.5°	788.9	439.9	426.2	371.4	316.6
110°	782.8	468.2	455.9	406.4	356.9



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CATALOG NUMBER: SQ4-FA-075U-050D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	783.2	502.6	490.8	443.7	396.5
115°	790.3	554.1	543.2	499.7	456.3
117.5°	805.0	604.1	594.2	554.8	515.3
120°	817.0	633.2	623.9	586.8	549.7
122.5°	834.2	667.6	658.2	620.7	583.2
125°	857.3	711.7	703.2	669.0	634.8
127.5°	880.5	754.3	745.7	711.1	676.6
130°	897.4	782.6	773.3	736.2	699.0
132.5°	911.0	805.7	796.4	759.3	722.1
135°	926.0	832.6	824.2	790.3	756.5
137.5°	948.4	867.0	858.6	825.1	791.6
140°	962.1	890.1	882.4	851.5	820.7
142.5°	973.6	907.3	900.2	871.7	843.1
145°	988.5	933.5	927.2	902.3	877.4
147.5°	1010.4	966.3	960.3	936.1	911.8
150°	1021.8	983.5	978.1	956.1	934.2
152.5°	1029.3	994.7	990.5	974.0	957.3
155°	1045.7	1019.3	1016.3	1004.0	991.7
157.5°	1062.1	1044.0	1041.0	1029.0	1017.1
160°	1069.7	1055.2	1052.9	1043.6	1034.3
162.5°	1077.5	1067.1	1065.3	1058.4	1051.4
165°	1089.0	1084.3	1082.7	1076.4	1070.2
167.5°	1098.0	1094.0	1093.3	1090.2	1087.3
170°	1105.5	1105.2	1104.5	1101.5	1098.5
172.5°	1106.0	1106.0	1105.8	1105.1	1104.4
175°	1110.5	1112.7	1112.7	1112.7	1112.7
177.5°	1111.0	1112.7	1112.7	1112.7	1112.7
180°	1112.7	1112.7	1112.7	1112.7	1112.7



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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	9.38	10.14	10.43	11.20	12.63	12.23	12.99	13.28	14.05	15.48
	3H	9.85	10.53	10.91	11.60	13.05	13.57	14.26	14.64	15.32	16.77
	4H	10.03	10.68	11.11	11.75	13.21	14.02	14.67	15.09	15.73	17.19
	6H	10.15	10.74	11.23	11.82	13.29	14.30	14.90	15.39	15.97	17.44
	8H	10.15	10.71	11.23	11.80	13.26	14.38	14.95	15.47	16.03	17.50
	12H	10.11	10.65	11.21	11.73	13.22	14.42	14.96	15.51	16.04	17.52
4H	2H	10.40	11.05	11.48	12.12	13.58	12.63	13.27	13.71	14.34	15.80
	3H	11.42	11.96	12.51	13.06	14.53	14.13	14.67	15.22	15.76	17.23
	4H	11.69	12.19	12.79	13.27	14.77	14.66	15.15	15.75	16.24	17.73
	6H	11.81	12.24	12.91	13.35	14.83	15.02	15.45	16.12	16.56	18.04
	8H	11.82	12.21	12.92	13.31	14.81	15.13	15.53	16.23	16.63	18.13
	12H	11.78	12.14	12.90	13.25	14.76	15.19	15.54	16.30	16.66	18.16
8H	4H	12.14	12.54	13.24	13.64	15.14	14.77	15.17	15.87	16.27	17.77
	6H	12.40	12.73	13.52	13.87	15.37	15.21	15.54	16.33	16.68	18.18
	8H	12.44	12.73	13.57	13.85	15.37	15.37	15.65	16.50	16.78	18.29
	12H	12.42	12.67	13.56	13.79	15.35	15.46	15.72	16.60	16.84	18.39
12H	4H	12.14	12.50	13.26	13.62	15.12	14.73	15.09	15.85	16.21	17.71
	6H	12.46	12.75	13.59	13.87	15.39	15.21	15.49	16.34	16.62	18.14
	8H	12.52	12.78	13.66	13.90	15.45	15.37	15.62	16.50	16.74	18.29