

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: P935846

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935846
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

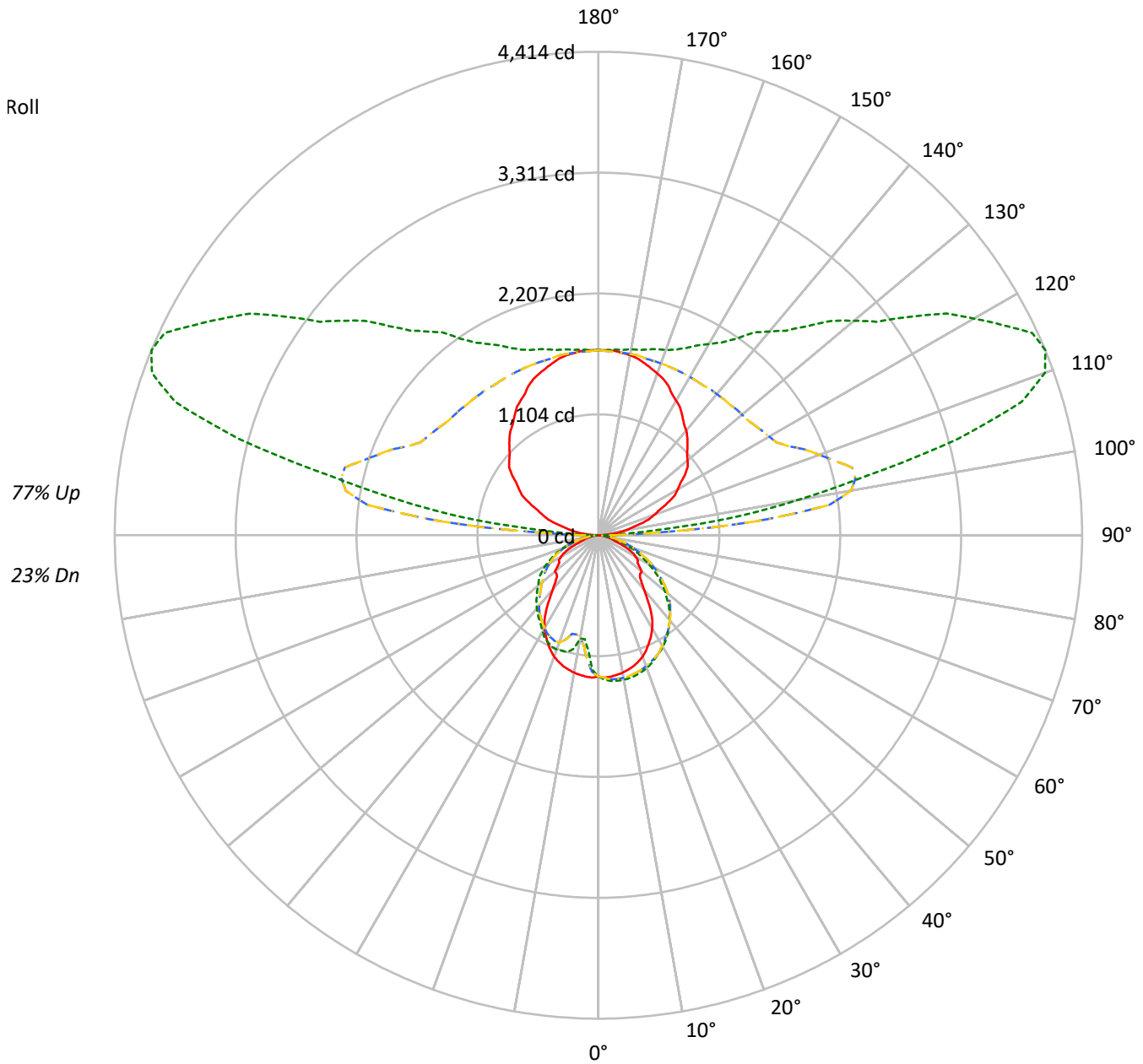
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14310.4 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 111.2
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	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5984	5984	5984	5984
5°	6028	6040	6028	4749
10°	5988	5950	5988	4254
15°	5923	5821	5923	4860
20°	5799	5668	5799	4871
25°	5546	5445	5546	4767
30°	5218	5260	5218	4541
35°	4651	5027	4651	4292
40°	3876	4751	3876	4104
45°	3463	4429	3463	3888
50°	3679	4045	3679	3670
55°	3461	3631	3461	3544
60°	3569	3084	3569	3246
65°	3234	2549	3234	2850
70°	2240	2031	2240	2388
75°	1964	1502	1964	1798
80°	1582	993	1582	1080
85°	913	526	913	447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5308 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	0.8
10°-20°	330.5	2.3
20°-30°	510.9	3.6
30°-40°	610.0	4.3
40°-50°	613.5	4.3
50°-60°	533.8	3.7
60°-70°	378.5	2.6
70°-80°	200.2	1.4
80°-90°	56.3	0.4
90°-100°	824.1	5.8
100°-110°	2166.7	15.1
110°-120°	2246.6	15.7
120°-130°	1802.1	12.6
130°-140°	1414.0	9.9
140°-150°	1085.3	7.6
150°-160°	781.6	5.5
160°-170°	478.2	3.3
170°-180°	161.6	1.1
0°-30°	957.9	6.7
0°-40°	1567.8	11.0
0°-60°	2715.2	19.0
0°-90°	3350.3	23.4
90°-120°	5237.4	36.6
90°-150°	9538.8	66.7
90°-180°	10960.0	76.6
0°-180°	14310.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1290	1290	1290	1290	1290	
5°	1296	1336	1296	1050	1296	123
15°	1237	1324	1237	1105	1237	348
25°	1090	1235	1090	1081	1090	500
35°	828	1102	828	941	828	513
45°	534	908	534	797	534	428
55°	436	670	436	654	436	400
65°	302	404	302	452	302	289
75°	115	192	115	229	115	121
85°	20	49	20	42	20	26
90°	11	43	11	43	11	10
95°	109	498	109	498	109	121
105°	390	3393	390	3393	390	414
115°	693	4368	693	4368	693	685
125°	964	3479	964	3479	964	856
135°	1149	2699	1149	2699	1149	889
145°	1333	2190	1333	2190	1333	835
155°	1507	1886	1507	1886	1507	692
165°	1626	1756	1626	1756	1626	459
175°	1691	1702	1691	1702	1691	160
180°	1691	1691	1691	1691	1691	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1300.6	1300.6	1308.0	1310.4	1310.4	1306.7	1303.1	1306.7	1317.7	1321.3	1320.2
5°	1295.8	1305.5	1319.0	1321.3	1323.8	1322.6	1320.2	1322.6	1334.8	1337.3	1338.4
7.5°	1286.0	1304.3	1321.3	1325.1	1328.7	1325.1	1323.8	1326.3	1338.4	1340.9	1340.9
10°	1273.8	1299.4	1319.0	1321.3	1325.1	1321.3	1321.3	1326.3	1338.4	1340.9	1342.1
12.5°	1256.7	1292.0	1310.4	1312.8	1317.7	1316.5	1315.2	1320.2	1332.3	1334.8	1334.8
15°	1237.2	1278.7	1295.8	1298.1	1306.7	1304.3	1304.3	1309.1	1322.6	1326.3	1325.1
17.5°	1210.4	1261.6	1281.1	1284.8	1290.9	1289.7	1290.9	1295.8	1308.0	1310.4	1311.6
20°	1179.8	1238.4	1261.6	1265.2	1271.3	1271.3	1271.3	1277.4	1289.7	1294.5	1294.5
22.5°	1138.3	1214.0	1238.4	1240.8	1248.2	1248.2	1250.6	1259.1	1270.1	1271.3	1271.3
25°	1089.6	1187.2	1207.9	1215.2	1222.6	1226.2	1229.8	1234.7	1238.4	1237.2	1238.4
27.5°	1038.4	1153.0	1179.8	1184.7	1194.4	1198.2	1203.0	1204.3	1205.5	1209.1	1206.7
30°	981.0	1105.4	1145.7	1150.6	1166.4	1168.9	1164.0	1166.4	1172.5	1175.0	1177.4
32.5°	916.3	1034.6	1110.3	1121.3	1136.0	1128.6	1127.4	1131.0	1140.8	1140.8	1143.2
35°	828.4	979.8	1077.4	1087.1	1098.1	1089.6	1094.5	1095.7	1101.8	1105.4	1104.2
37.5°	732.1	932.2	1043.2	1050.5	1059.1	1048.1	1055.4	1059.1	1063.9	1061.5	1061.5
40°	646.7	857.7	1003.0	1007.8	1015.2	1006.6	1013.9	1016.3	1018.8	1016.3	1015.2
42.5°	583.2	776.0	960.2	966.3	961.4	967.6	969.9	974.9	971.2	966.3	966.3
45°	534.4	754.0	913.8	921.2	913.8	923.6	927.3	927.3	916.3	913.8	912.6
47.5°	518.6	710.1	867.5	867.5	863.8	876.1	882.2	873.6	862.6	859.0	859.0
50°	517.3	661.3	804.0	799.2	816.2	830.9	824.8	816.2	807.7	794.3	794.3
52.5°	469.7	601.5	722.3	740.6	767.5	776.0	766.2	757.7	743.1	736.9	732.1
55°	435.5	539.3	647.8	684.5	712.5	723.5	705.2	696.7	674.7	671.0	668.6
57.5°	428.3	449.0	579.5	625.9	660.0	658.9	647.8	632.0	613.7	610.1	608.8
60°	392.9	324.6	506.3	561.2	596.6	593.0	583.2	568.5	551.5	549.1	546.6
62.5°	356.3	235.5	423.3	485.6	535.6	534.4	525.9	503.9	491.7	485.6	480.7
65°	302.5	197.7	301.4	403.9	475.8	478.3	460.0	444.1	430.7	423.3	422.2
67.5°	230.6	161.1	203.8	336.7	418.5	416.1	392.9	385.6	368.5	364.9	357.5
70°	170.8	107.3	141.5	273.3	362.4	356.3	337.9	329.5	313.6	305.0	300.2
72.5°	141.5	86.6	103.7	212.3	305.0	297.7	281.8	272.1	258.7	251.3	246.4
75°	114.7	91.5	79.3	157.4	247.7	242.8	228.1	218.4	207.4	197.7	198.8
77.5°	84.2	85.4	63.4	115.9	196.5	189.1	180.6	168.4	163.5	153.7	153.7
80°	63.4	67.1	47.6	79.3	141.5	141.5	134.2	125.7	117.2	112.2	112.2
82.5°	42.7	42.7	35.4	50.0	96.4	92.7	87.9	85.4	80.5	78.0	78.0
85°	19.6	24.4	21.9	30.5	52.5	54.9	54.9	52.5	51.2	48.8	50.0
87.5°	6.1	11.0	13.5	17.1	26.8	28.1	29.3	29.3	29.3	30.5	30.5
90°	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5	43.1	43.1
92.5°	45.4	122.5	199.8	219.0	307.9	426.4	485.7	425.6	305.6	215.6	207.0
95°	109.0	250.2	391.3	426.6	757.5	1198.8	1419.5	1266.7	961.1	731.9	705.9
97.5°	188.4	312.9	437.5	468.6	1020.5	1756.3	2124.2	2027.6	1834.5	1689.6	1640.2
100°	249.6	362.6	475.6	503.8	1116.2	1932.6	2340.9	2348.0	2362.1	2372.6	2313.8
102.5°	301.8	407.2	512.6	539.0	1160.1	1988.1	2402.2	2525.2	2771.3	2955.9	2905.5
105°	390.3	479.6	568.9	591.2	1192.5	1994.4	2395.3	2671.2	3222.9	3636.7	3609.6
107.5°	481.1	564.3	647.5	668.3	1198.6	1905.7	2259.2	2644.0	3413.6	3990.8	3997.3
110°	542.4	617.6	692.7	711.4	1189.5	1827.0	2145.7	2575.9	3436.2	4081.5	4109.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	602.5	674.1	745.7	763.6	1189.9	1758.2	2042.4	2482.7	3363.2	4023.6	4067.0
115°	693.3	759.4	825.4	842.0	1200.9	1679.5	1918.8	2342.9	3191.1	3827.3	3887.4
117.5°	782.9	843.0	903.0	918.0	1223.2	1630.2	1833.6	2216.4	2982.0	3556.1	3622.8
120°	835.1	891.6	948.1	962.2	1241.4	1613.5	1799.6	2149.4	2848.9	3373.5	3438.2
122.5°	886.2	943.2	1000.1	1014.4	1267.5	1604.9	1773.5	2088.4	2718.4	3190.7	3254.7
125°	964.5	1016.4	1068.4	1081.4	1302.6	1597.6	1745.1	2012.7	2547.7	2949.0	3007.9
127.5°	1028.1	1080.5	1133.0	1146.1	1337.8	1593.5	1721.3	1951.0	2410.4	2755.0	2804.7
130°	1062.1	1118.6	1175.1	1189.2	1363.5	1596.0	1712.2	1916.7	2325.8	2632.5	2678.4
132.5°	1097.3	1153.8	1210.3	1224.4	1384.4	1597.7	1704.3	1887.3	2253.4	2528.1	2569.2
135°	1149.4	1200.9	1252.4	1265.2	1407.0	1596.1	1690.7	1844.0	2150.7	2380.6	2416.0
137.5°	1202.8	1253.8	1304.6	1317.3	1441.0	1606.0	1688.5	1818.1	2077.2	2271.6	2300.7
140°	1247.0	1294.0	1340.8	1352.5	1461.9	1607.6	1680.5	1792.4	2016.4	2184.3	2211.4
142.5°	1281.0	1324.4	1367.8	1378.6	1479.3	1613.4	1680.5	1778.8	1975.5	2123.0	2146.3
145°	1333.3	1371.1	1408.9	1418.4	1502.0	1613.4	1669.1	1749.5	1910.4	2031.1	2048.8
147.5°	1385.5	1422.3	1459.1	1468.3	1535.3	1624.5	1669.1	1732.4	1858.9	1953.9	1968.5
150°	1419.5	1452.8	1486.1	1494.4	1552.6	1630.3	1669.1	1722.6	1829.5	1909.7	1921.5
152.5°	1454.7	1479.9	1505.2	1511.5	1564.0	1634.1	1669.1	1714.8	1806.0	1874.5	1883.4
155°	1506.9	1525.6	1544.2	1548.8	1589.0	1642.3	1669.1	1705.4	1778.1	1832.6	1838.5
157.5°	1545.5	1563.7	1581.8	1586.3	1613.9	1650.7	1669.1	1697.4	1753.9	1796.3	1800.4
160°	1571.6	1585.7	1599.8	1603.3	1625.2	1654.4	1669.1	1693.3	1741.8	1778.1	1780.4
162.5°	1597.7	1608.2	1618.9	1621.5	1637.3	1658.5	1669.1	1689.6	1730.4	1761.1	1763.3
165°	1626.0	1635.5	1645.2	1647.5	1654.7	1664.3	1669.1	1683.7	1713.0	1735.0	1737.3
167.5°	1652.1	1656.6	1661.2	1662.4	1668.4	1676.5	1680.5	1690.0	1709.2	1723.6	1724.6
170°	1669.1	1673.6	1678.2	1679.4	1679.7	1680.2	1680.5	1690.0	1709.2	1723.6	1723.6
172.5°	1678.2	1679.2	1680.2	1680.5	1680.5	1680.5	1680.5	1688.0	1703.1	1714.5	1713.6
175°	1690.7	1690.7	1690.7	1690.7	1687.3	1682.7	1680.5	1685.3	1694.8	1702.0	1702.0
177.5°	1690.7	1690.7	1690.7	1690.7	1688.0	1684.5	1682.7	1686.6	1694.1	1699.7	1698.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1322.6	1319.0	1322.6	1320.2	1321.3	1317.7	1306.7	1303.1	1306.7	1310.4	1310.4
5°	1338.4	1336.0	1338.4	1338.4	1337.3	1334.8	1322.6	1320.2	1322.6	1323.8	1321.3
7.5°	1343.4	1339.7	1343.4	1340.9	1340.9	1338.4	1326.3	1323.8	1325.1	1328.7	1325.1
10°	1343.4	1339.7	1343.4	1342.1	1340.9	1338.4	1326.3	1321.3	1321.3	1325.1	1321.3
12.5°	1337.3	1334.8	1337.3	1334.8	1334.8	1332.3	1320.2	1315.2	1316.5	1317.7	1312.8
15°	1327.4	1323.8	1327.4	1325.1	1326.3	1322.6	1309.1	1304.3	1304.3	1306.7	1298.1
17.5°	1312.8	1308.0	1312.8	1311.6	1310.4	1308.0	1295.8	1290.9	1289.7	1290.9	1284.8
20°	1295.8	1292.0	1295.8	1294.5	1294.5	1289.7	1277.4	1271.3	1271.3	1271.3	1265.2
22.5°	1268.9	1265.2	1268.9	1271.3	1271.3	1270.1	1259.1	1250.6	1248.2	1248.2	1240.8
25°	1238.4	1234.7	1238.4	1238.4	1237.2	1238.4	1234.7	1229.8	1226.2	1222.6	1215.2
27.5°	1209.1	1206.7	1209.1	1206.7	1209.1	1205.5	1204.3	1203.0	1198.2	1194.4	1184.7
30°	1179.8	1177.4	1179.8	1177.4	1175.0	1172.5	1166.4	1164.0	1168.9	1166.4	1150.6
32.5°	1143.2	1140.8	1143.2	1143.2	1140.8	1140.8	1131.0	1127.4	1128.6	1136.0	1121.3
35°	1105.4	1101.8	1105.4	1104.2	1105.4	1101.8	1095.7	1094.5	1089.6	1098.1	1087.1
37.5°	1061.5	1057.8	1061.5	1061.5	1061.5	1063.9	1059.1	1055.4	1048.1	1059.1	1050.5
40°	1016.3	1011.4	1016.3	1015.2	1016.3	1018.8	1016.3	1013.9	1006.6	1015.2	1007.8
42.5°	965.1	963.9	965.1	966.3	966.3	971.2	974.9	969.9	967.6	961.4	966.3
45°	910.2	907.7	910.2	912.6	913.8	916.3	927.3	927.3	923.6	913.8	921.2
47.5°	851.6	845.5	851.6	859.0	859.0	862.6	873.6	882.2	876.1	863.8	867.5
50°	789.4	790.7	789.4	794.3	794.3	807.7	816.2	824.8	830.9	816.2	799.2
52.5°	728.4	727.2	728.4	732.1	736.9	743.1	757.7	766.2	776.0	767.5	740.6
55°	667.4	669.9	667.4	668.6	671.0	674.7	696.7	705.2	723.5	712.5	684.5
57.5°	606.4	602.7	606.4	608.8	610.1	613.7	632.0	647.8	658.9	660.0	625.9
60°	535.6	530.8	535.6	546.6	549.1	551.5	568.5	583.2	593.0	596.6	561.2
62.5°	473.4	464.8	473.4	480.7	485.6	491.7	503.9	525.9	534.4	535.6	485.6
65°	407.5	403.9	407.5	422.2	423.3	430.7	444.1	460.0	478.3	475.8	403.9
67.5°	347.8	347.8	347.8	357.5	364.9	368.5	385.6	392.9	416.1	418.5	336.7
70°	292.8	291.6	292.8	300.2	305.0	313.6	329.5	337.9	356.3	362.4	273.3
72.5°	240.3	239.1	240.3	246.4	251.3	258.7	272.1	281.8	297.7	305.0	212.3
75°	194.0	191.6	194.0	198.8	197.7	207.4	218.4	228.1	242.8	247.7	157.4
77.5°	148.8	148.8	148.8	153.7	153.7	163.5	168.4	180.6	189.1	196.5	115.9
80°	111.1	109.8	111.1	112.2	112.2	117.2	125.7	134.2	141.5	141.5	79.3
82.5°	78.0	75.7	78.0	78.0	78.0	80.5	85.4	87.9	92.7	96.4	50.0
85°	48.8	48.8	48.8	50.0	48.8	51.2	52.5	54.9	54.9	52.5	30.5
87.5°	31.7	30.5	31.7	30.5	30.5	29.3	29.3	29.3	28.1	26.8	17.1
90°	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1	49.9	31.7
92.5°	172.7	138.4	172.7	207.0	215.6	305.6	425.6	485.7	426.4	307.9	219.0
95°	602.0	498.1	602.0	705.9	731.9	961.1	1266.7	1419.5	1198.8	757.5	426.6
97.5°	1442.4	1244.7	1442.4	1640.2	1689.6	1834.5	2027.6	2124.2	1756.3	1020.5	468.6
100°	2078.2	1842.7	2078.2	2313.8	2372.6	2362.1	2348.0	2340.9	1932.6	1116.2	503.8
102.5°	2703.7	2502.0	2703.7	2905.5	2955.9	2771.3	2525.2	2402.2	1988.1	1160.1	539.0
105°	3501.2	3392.8	3501.2	3609.6	3636.7	3222.9	2671.2	2395.3	1994.4	1192.5	591.2
107.5°	4023.5	4049.7	4023.5	3997.3	3990.8	3413.6	2644.0	2259.2	1905.7	1198.6	668.3
110°	4222.7	4335.7	4222.7	4109.7	4081.5	3436.2	2575.9	2145.7	1827.0	1189.5	711.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4240.5	4413.9	4240.5	4067.0	4023.6	3363.2	2482.7	2042.4	1758.2	1189.9	763.6
115°	4128.0	4368.5	4128.0	3887.4	3827.3	3191.1	2342.9	1918.8	1679.5	1200.9	842.0
117.5°	3889.6	4156.4	3889.6	3622.8	3556.1	2982.0	2216.4	1833.6	1630.2	1223.2	918.0
120°	3697.5	3956.6	3697.5	3438.2	3373.5	2848.9	2149.4	1799.6	1613.5	1241.4	962.2
122.5°	3510.4	3766.1	3510.4	3254.7	3190.7	2718.4	2088.4	1773.5	1604.9	1267.5	1014.4
125°	3243.5	3479.0	3243.5	3007.9	2949.0	2547.7	2012.7	1745.1	1597.6	1302.6	1081.4
127.5°	3003.4	3202.1	3003.4	2804.7	2755.0	2410.4	1951.0	1721.3	1593.5	1337.8	1146.1
130°	2862.0	3045.6	2862.0	2678.4	2632.5	2325.8	1916.7	1712.2	1596.0	1363.5	1189.2
132.5°	2733.6	2898.0	2733.6	2569.2	2528.1	2253.4	1887.3	1704.3	1597.7	1384.4	1224.4
135°	2557.7	2699.4	2557.7	2416.0	2380.6	2150.7	1844.0	1690.7	1596.1	1407.0	1265.2
137.5°	2416.6	2532.6	2416.6	2300.7	2271.6	2077.2	1818.1	1688.5	1606.0	1441.0	1317.3
140°	2319.8	2428.3	2319.8	2211.4	2184.3	2016.4	1792.4	1680.5	1607.6	1461.9	1352.5
142.5°	2239.6	2332.9	2239.6	2146.3	2123.0	1975.5	1778.8	1680.5	1613.4	1479.3	1378.6
145°	2119.4	2190.0	2119.4	2048.8	2031.1	1910.4	1749.5	1669.1	1613.4	1502.0	1418.4
147.5°	2027.0	2085.5	2027.0	1968.5	1953.9	1858.9	1732.4	1669.1	1624.5	1535.3	1468.3
150°	1969.0	2016.4	1969.0	1921.5	1909.7	1829.5	1722.6	1669.1	1630.3	1552.6	1494.4
152.5°	1919.2	1955.1	1919.2	1883.4	1874.5	1806.0	1714.8	1669.1	1634.1	1564.0	1511.5
155°	1862.2	1885.9	1862.2	1838.5	1832.6	1778.1	1705.4	1669.1	1642.3	1589.0	1548.8
157.5°	1817.0	1833.6	1817.0	1800.4	1796.3	1753.9	1697.4	1669.1	1650.7	1613.9	1586.3
160°	1790.1	1799.6	1790.1	1780.4	1778.1	1741.8	1693.3	1669.1	1654.4	1625.2	1603.3
162.5°	1772.3	1781.4	1772.3	1763.3	1761.1	1730.4	1689.6	1669.1	1658.5	1637.3	1621.5
165°	1747.0	1756.5	1747.0	1737.3	1735.0	1713.0	1683.7	1669.1	1664.3	1654.7	1647.5
167.5°	1728.7	1732.7	1728.7	1724.6	1723.6	1709.2	1690.0	1680.5	1676.5	1668.4	1662.4
170°	1723.6	1723.6	1723.6	1723.6	1723.6	1709.2	1690.0	1680.5	1680.2	1679.7	1679.4
172.5°	1710.1	1706.6	1710.1	1713.6	1714.5	1703.1	1688.0	1680.5	1680.5	1680.5	1680.5
175°	1702.0	1702.0	1702.0	1702.0	1702.0	1694.8	1685.3	1680.5	1682.7	1687.3	1690.7
177.5°	1694.7	1690.7	1694.7	1698.7	1699.7	1694.1	1686.6	1682.7	1684.5	1688.0	1690.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1308.0	1300.6	1300.6	1288.4	1283.6	1279.9	1273.8	1255.5	1250.6	1245.7	1253.0
5°	1319.0	1305.5	1295.8	1273.8	1255.5	1248.2	1225.0	1181.1	1151.8	1129.8	1117.6
7.5°	1321.3	1304.3	1286.0	1251.8	1207.9	1188.3	1117.6	1037.1	1015.2	995.6	983.4
10°	1319.0	1299.4	1273.8	1222.6	1118.9	1084.7	1013.9	961.4	948.0	944.4	948.0
12.5°	1310.4	1292.0	1256.7	1171.3	1026.1	1003.0	961.4	930.9	928.5	934.6	967.6
15°	1295.8	1278.7	1237.2	1102.9	974.9	957.8	928.5	917.6	930.9	973.7	1072.5
17.5°	1281.1	1261.6	1210.4	1035.9	935.8	923.6	902.9	924.8	1000.5	1057.8	1090.7
20°	1261.6	1238.4	1179.8	987.0	907.7	896.8	887.0	985.9	1043.2	1063.9	1082.2
22.5°	1238.4	1214.0	1138.3	952.9	878.4	870.0	876.1	1020.0	1043.2	1057.8	1073.6
25°	1207.9	1187.2	1089.6	926.1	855.3	845.5	868.7	1016.3	1029.8	1033.4	1065.2
27.5°	1179.8	1153.0	1038.4	901.6	827.2	823.6	874.8	1000.5	1010.2	1013.9	1048.1
30°	1145.7	1105.4	981.0	876.1	797.9	796.8	876.1	981.0	978.5	988.3	1022.4
32.5°	1110.3	1034.6	916.3	844.3	769.9	768.6	867.5	951.7	949.2	962.7	988.3
35°	1077.4	979.8	828.4	807.7	734.5	735.7	846.8	917.6	918.7	930.9	946.8
37.5°	1043.2	932.2	732.1	767.5	700.3	700.3	818.7	885.8	883.3	887.0	909.0
40°	1003.0	857.7	646.7	715.0	668.6	664.9	784.6	851.6	843.1	841.9	872.3
42.5°	960.2	776.0	583.2	645.5	632.0	627.1	743.1	810.1	794.3	797.9	837.0
45°	913.8	754.0	534.4	545.4	594.2	590.5	697.9	762.5	751.5	761.4	801.6
47.5°	867.5	710.1	518.6	452.6	554.0	552.7	647.8	716.2	710.1	719.9	762.5
50°	804.0	661.3	517.3	388.0	508.8	513.7	588.1	671.0	671.0	679.6	724.7
52.5°	722.3	601.5	469.7	351.4	456.3	470.9	535.6	632.0	634.5	643.0	683.2
55°	647.8	539.3	435.5	323.3	394.1	425.8	484.4	591.7	596.6	605.2	641.7
57.5°	579.5	449.0	428.3	290.4	336.7	367.2	439.3	552.7	555.2	562.4	597.8
60°	506.3	324.6	392.9	255.0	286.7	309.9	397.8	506.3	514.9	519.8	550.2
62.5°	423.3	235.5	356.3	230.6	262.3	267.2	363.6	462.5	473.4	477.1	495.4
65°	301.4	197.7	302.5	209.9	236.7	238.0	327.0	417.3	427.1	433.2	446.5
67.5°	203.8	161.1	230.6	190.3	217.2	218.4	291.6	364.9	378.2	383.1	391.7
70°	141.5	107.3	170.8	169.6	195.2	197.7	253.8	317.2	329.5	333.1	337.9
72.5°	103.7	86.6	141.5	152.5	172.0	174.5	214.8	263.5	275.7	279.4	281.8
75°	79.3	91.5	114.7	133.0	146.5	147.6	175.7	214.8	223.3	225.7	227.0
77.5°	63.4	85.4	84.2	107.3	119.5	117.2	137.9	165.9	173.3	173.3	173.3
80°	47.6	67.1	63.4	76.9	87.9	85.4	98.8	118.3	120.8	123.3	122.0
82.5°	35.4	42.7	42.7	48.8	58.6	56.1	65.9	76.9	76.9	76.9	79.3
85°	21.9	24.4	19.6	25.7	32.9	31.7	36.6	41.5	42.7	42.7	40.3
87.5°	13.5	11.0	6.1	9.7	14.6	14.6	17.1	18.3	17.1	17.1	17.1
90°	29.5	20.5	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5
92.5°	199.8	122.5	45.4	122.5	199.8	219.0	307.9	426.4	485.7	425.6	305.6
95°	391.3	250.2	109.0	250.2	391.3	426.6	757.5	1198.8	1419.5	1266.7	961.1
97.5°	437.5	312.9	188.4	312.9	437.5	468.6	1020.5	1756.3	2124.2	2027.6	1834.5
100°	475.6	362.6	249.6	362.6	475.6	503.8	1116.2	1932.6	2340.9	2348.0	2362.1
102.5°	512.6	407.2	301.8	407.2	512.6	539.0	1160.1	1988.1	2402.2	2525.2	2771.3
105°	568.9	479.6	390.3	479.6	568.9	591.2	1192.5	1994.4	2395.3	2671.2	3222.9
107.5°	647.5	564.3	481.1	564.3	647.5	668.3	1198.6	1905.7	2259.2	2644.0	3413.6
110°	692.7	617.6	542.4	617.6	692.7	711.4	1189.5	1827.0	2145.7	2575.9	3436.2



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CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	745.7	674.1	602.5	674.1	745.7	763.6	1189.9	1758.2	2042.4	2482.7	3363.2
115°	825.4	759.4	693.3	759.4	825.4	842.0	1200.9	1679.5	1918.8	2342.9	3191.1
117.5°	903.0	843.0	782.9	843.0	903.0	918.0	1223.2	1630.2	1833.6	2216.4	2982.0
120°	948.1	891.6	835.1	891.6	948.1	962.2	1241.4	1613.5	1799.6	2149.4	2848.9
122.5°	1000.1	943.2	886.2	943.2	1000.1	1014.4	1267.5	1604.9	1773.5	2088.4	2718.4
125°	1068.4	1016.4	964.5	1016.4	1068.4	1081.4	1302.6	1597.6	1745.1	2012.7	2547.7
127.5°	1133.0	1080.5	1028.1	1080.5	1133.0	1146.1	1337.8	1593.5	1721.3	1951.0	2410.4
130°	1175.1	1118.6	1062.1	1118.6	1175.1	1189.2	1363.5	1596.0	1712.2	1916.7	2325.8
132.5°	1210.3	1153.8	1097.3	1153.8	1210.3	1224.4	1384.4	1597.7	1704.3	1887.3	2253.4
135°	1252.4	1200.9	1149.4	1200.9	1252.4	1265.2	1407.0	1596.1	1690.7	1844.0	2150.7
137.5°	1304.6	1253.8	1202.8	1253.8	1304.6	1317.3	1441.0	1606.0	1688.5	1818.1	2077.2
140°	1340.8	1294.0	1247.0	1294.0	1340.8	1352.5	1461.9	1607.6	1680.5	1792.4	2016.4
142.5°	1367.8	1324.4	1281.0	1324.4	1367.8	1378.6	1479.3	1613.4	1680.5	1778.8	1975.5
145°	1408.9	1371.1	1333.3	1371.1	1408.9	1418.4	1502.0	1613.4	1669.1	1749.5	1910.4
147.5°	1459.1	1422.3	1385.5	1422.3	1459.1	1468.3	1535.3	1624.5	1669.1	1732.4	1858.9
150°	1486.1	1452.8	1419.5	1452.8	1486.1	1494.4	1552.6	1630.3	1669.1	1722.6	1829.5
152.5°	1505.2	1479.9	1454.7	1479.9	1505.2	1511.5	1564.0	1634.1	1669.1	1714.8	1806.0
155°	1544.2	1525.6	1506.9	1525.6	1544.2	1548.8	1589.0	1642.3	1669.1	1705.4	1778.1
157.5°	1581.8	1563.7	1545.5	1563.7	1581.8	1586.3	1613.9	1650.7	1669.1	1697.4	1753.9
160°	1599.8	1585.7	1571.6	1585.7	1599.8	1603.3	1625.2	1654.4	1669.1	1693.3	1741.8
162.5°	1618.9	1608.2	1597.7	1608.2	1618.9	1621.5	1637.3	1658.5	1669.1	1689.6	1730.4
165°	1645.2	1635.5	1626.0	1635.5	1645.2	1647.5	1654.7	1664.3	1669.1	1683.7	1713.0
167.5°	1661.2	1656.6	1652.1	1656.6	1661.2	1662.4	1668.4	1676.5	1680.5	1690.0	1709.2
170°	1678.2	1673.6	1669.1	1673.6	1678.2	1679.4	1679.7	1680.2	1680.5	1690.0	1709.2
172.5°	1680.2	1679.2	1678.2	1679.2	1680.2	1680.5	1680.5	1680.5	1680.5	1688.0	1703.1
175°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1687.3	1682.7	1680.5	1685.3	1694.8
177.5°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1688.0	1684.5	1682.7	1686.6	1694.1
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



TEST NUMBER: P935846

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1244.5	1240.8	1245.7	1232.3	1245.7	1240.8	1244.5	1253.0	1245.7	1250.6	1255.5
5°	1092.0	1085.9	1066.4	1050.5	1066.4	1085.9	1092.0	1117.6	1129.8	1151.8	1181.1
7.5°	976.0	971.2	966.3	956.6	966.3	971.2	976.0	983.4	995.6	1015.2	1037.1
10°	950.5	951.7	959.0	957.8	959.0	951.7	950.5	948.0	944.4	948.0	961.4
12.5°	1016.3	1027.3	1067.5	1065.2	1067.5	1027.3	1016.3	967.6	934.6	928.5	930.9
15°	1092.0	1095.7	1104.2	1105.4	1104.2	1095.7	1092.0	1072.5	973.7	930.9	917.6
17.5°	1099.3	1100.6	1106.7	1106.7	1106.7	1100.6	1099.3	1090.7	1057.8	1000.5	924.8
20°	1093.2	1095.7	1107.8	1110.3	1107.8	1095.7	1093.2	1082.2	1063.9	1043.2	985.9
22.5°	1090.7	1095.7	1105.4	1104.2	1105.4	1095.7	1090.7	1073.6	1057.8	1043.2	1020.0
25°	1078.6	1078.6	1079.8	1081.0	1079.8	1078.6	1078.6	1065.2	1033.4	1029.8	1016.3
27.5°	1052.9	1055.4	1062.7	1061.5	1062.7	1055.4	1052.9	1048.1	1013.9	1010.2	1000.5
30°	1029.8	1027.3	1021.2	1016.3	1021.2	1027.3	1029.8	1022.4	988.3	978.5	981.0
32.5°	990.7	984.6	978.5	974.9	978.5	984.6	990.7	988.3	962.7	949.2	951.7
35°	944.4	945.6	944.4	940.7	944.4	945.6	944.4	946.8	930.9	918.7	917.6
37.5°	911.5	913.8	912.6	907.7	912.6	913.8	911.5	909.0	887.0	883.3	885.8
40°	877.3	878.4	877.3	873.6	877.3	878.4	877.3	872.3	841.9	843.1	851.6
42.5°	844.3	843.1	839.4	837.0	839.4	843.1	844.3	837.0	797.9	794.3	810.1
45°	806.5	807.7	800.4	796.8	800.4	807.7	806.5	801.6	761.4	751.5	762.5
47.5°	768.6	768.6	762.5	758.9	762.5	768.6	768.6	762.5	719.9	710.1	716.2
50°	728.4	727.2	718.6	717.4	718.6	727.2	728.4	724.7	679.6	671.0	671.0
52.5°	682.0	682.0	683.2	685.7	683.2	682.0	682.0	683.2	643.0	634.5	632.0
55°	641.7	643.0	651.6	653.9	651.6	643.0	641.7	641.7	605.2	596.6	591.7
57.5°	600.3	600.3	606.4	606.4	606.4	600.3	600.3	597.8	562.4	555.2	552.7
60°	552.7	555.2	560.1	558.8	560.1	555.2	552.7	550.2	519.8	514.9	506.3
62.5°	502.7	505.1	506.3	503.9	506.3	505.1	502.7	495.4	477.1	473.4	462.5
65°	450.2	452.6	453.9	451.5	453.9	452.6	450.2	446.5	433.2	427.1	417.3
67.5°	396.5	395.3	394.1	399.0	394.1	395.3	396.5	391.7	383.1	378.2	364.9
70°	341.7	341.7	340.4	342.8	340.4	341.7	341.7	337.9	333.1	329.5	317.2
72.5°	283.1	281.8	286.7	283.1	286.7	281.8	283.1	281.8	279.4	275.7	263.5
75°	225.7	228.1	225.7	229.4	225.7	228.1	225.7	227.0	225.7	223.3	214.8
77.5°	172.0	174.5	172.0	172.0	172.0	174.5	172.0	173.3	173.3	173.3	165.9
80°	122.0	120.8	120.8	119.5	120.8	120.8	122.0	122.0	123.3	120.8	118.3
82.5°	78.0	76.9	76.9	79.3	76.9	76.9	78.0	79.3	76.9	76.9	76.9
85°	42.7	43.9	41.5	41.5	41.5	43.9	42.7	40.3	42.7	42.7	41.5
87.5°	15.8	14.6	14.6	14.6	14.6	14.6	15.8	17.1	17.1	17.1	18.3
90°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1
92.5°	215.6	207.0	172.7	138.4	172.7	207.0	215.6	305.6	425.6	485.7	426.4
95°	731.9	705.9	602.0	498.1	602.0	705.9	731.9	961.1	1266.7	1419.5	1198.8
97.5°	1689.6	1640.2	1442.4	1244.7	1442.4	1640.2	1689.6	1834.5	2027.6	2124.2	1756.3
100°	2372.6	2313.8	2078.2	1842.7	2078.2	2313.8	2372.6	2362.1	2348.0	2340.9	1932.6
102.5°	2955.9	2905.5	2703.7	2502.0	2703.7	2905.5	2955.9	2771.3	2525.2	2402.2	1988.1
105°	3636.7	3609.6	3501.2	3392.8	3501.2	3609.6	3636.7	3222.9	2671.2	2395.3	1994.4
107.5°	3990.8	3997.3	4023.5	4049.7	4023.5	3997.3	3990.8	3413.6	2644.0	2259.2	1905.7
110°	4081.5	4109.7	4222.7	4335.7	4222.7	4109.7	4081.5	3436.2	2575.9	2145.7	1827.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4023.6	4067.0	4240.5	4413.9	4240.5	4067.0	4023.6	3363.2	2482.7	2042.4	1758.2
115°	3827.3	3887.4	4128.0	4368.5	4128.0	3887.4	3827.3	3191.1	2342.9	1918.8	1679.5
117.5°	3556.1	3622.8	3889.6	4156.4	3889.6	3622.8	3556.1	2982.0	2216.4	1833.6	1630.2
120°	3373.5	3438.2	3697.5	3956.6	3697.5	3438.2	3373.5	2848.9	2149.4	1799.6	1613.5
122.5°	3190.7	3254.7	3510.4	3766.1	3510.4	3254.7	3190.7	2718.4	2088.4	1773.5	1604.9
125°	2949.0	3007.9	3243.5	3479.0	3243.5	3007.9	2949.0	2547.7	2012.7	1745.1	1597.6
127.5°	2755.0	2804.7	3003.4	3202.1	3003.4	2804.7	2755.0	2410.4	1951.0	1721.3	1593.5
130°	2632.5	2678.4	2862.0	3045.6	2862.0	2678.4	2632.5	2325.8	1916.7	1712.2	1596.0
132.5°	2528.1	2569.2	2733.6	2898.0	2733.6	2569.2	2528.1	2253.4	1887.3	1704.3	1597.7
135°	2380.6	2416.0	2557.7	2699.4	2557.7	2416.0	2380.6	2150.7	1844.0	1690.7	1596.1
137.5°	2271.6	2300.7	2416.6	2532.6	2416.6	2300.7	2271.6	2077.2	1818.1	1688.5	1606.0
140°	2184.3	2211.4	2319.8	2428.3	2319.8	2211.4	2184.3	2016.4	1792.4	1680.5	1607.6
142.5°	2123.0	2146.3	2239.6	2332.9	2239.6	2146.3	2123.0	1975.5	1778.8	1680.5	1613.4
145°	2031.1	2048.8	2119.4	2190.0	2119.4	2048.8	2031.1	1910.4	1749.5	1669.1	1613.4
147.5°	1953.9	1968.5	2027.0	2085.5	2027.0	1968.5	1953.9	1858.9	1732.4	1669.1	1624.5
150°	1909.7	1921.5	1969.0	2016.4	1969.0	1921.5	1909.7	1829.5	1722.6	1669.1	1630.3
152.5°	1874.5	1883.4	1919.2	1955.1	1919.2	1883.4	1874.5	1806.0	1714.8	1669.1	1634.1
155°	1832.6	1838.5	1862.2	1885.9	1862.2	1838.5	1832.6	1778.1	1705.4	1669.1	1642.3
157.5°	1796.3	1800.4	1817.0	1833.6	1817.0	1800.4	1796.3	1753.9	1697.4	1669.1	1650.7
160°	1778.1	1780.4	1790.1	1799.6	1790.1	1780.4	1778.1	1741.8	1693.3	1669.1	1654.4
162.5°	1761.1	1763.3	1772.3	1781.4	1772.3	1763.3	1761.1	1730.4	1689.6	1669.1	1658.5
165°	1735.0	1737.3	1747.0	1756.5	1747.0	1737.3	1735.0	1713.0	1683.7	1669.1	1664.3
167.5°	1723.6	1724.6	1728.7	1732.7	1728.7	1724.6	1723.6	1709.2	1690.0	1680.5	1676.5
170°	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1709.2	1690.0	1680.5	1680.2
172.5°	1714.5	1713.6	1710.1	1706.6	1710.1	1713.6	1714.5	1703.1	1688.0	1680.5	1680.5
175°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1694.8	1685.3	1680.5	1682.7
177.5°	1699.7	1698.7	1694.7	1690.7	1694.7	1698.7	1699.7	1694.1	1686.6	1682.7	1684.5
180°	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7	1690.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1273.8	1279.9	1283.6	1288.4	1300.6
5°	1225.0	1248.2	1255.5	1273.8	1295.8
7.5°	1117.6	1188.3	1207.9	1251.8	1286.0
10°	1013.9	1084.7	1118.9	1222.6	1273.8
12.5°	961.4	1003.0	1026.1	1171.3	1256.7
15°	928.5	957.8	974.9	1102.9	1237.2
17.5°	902.9	923.6	935.8	1035.9	1210.4
20°	887.0	896.8	907.7	987.0	1179.8
22.5°	876.1	870.0	878.4	952.9	1138.3
25°	868.7	845.5	855.3	926.1	1089.6
27.5°	874.8	823.6	827.2	901.6	1038.4
30°	876.1	796.8	797.9	876.1	981.0
32.5°	867.5	768.6	769.9	844.3	916.3
35°	846.8	735.7	734.5	807.7	828.4
37.5°	818.7	700.3	700.3	767.5	732.1
40°	784.6	664.9	668.6	715.0	646.7
42.5°	743.1	627.1	632.0	645.5	583.2
45°	697.9	590.5	594.2	545.4	534.4
47.5°	647.8	552.7	554.0	452.6	518.6
50°	588.1	513.7	508.8	388.0	517.3
52.5°	535.6	470.9	456.3	351.4	469.7
55°	484.4	425.8	394.1	323.3	435.5
57.5°	439.3	367.2	336.7	290.4	428.3
60°	397.8	309.9	286.7	255.0	392.9
62.5°	363.6	267.2	262.3	230.6	356.3
65°	327.0	238.0	236.7	209.9	302.5
67.5°	291.6	218.4	217.2	190.3	230.6
70°	253.8	197.7	195.2	169.6	170.8
72.5°	214.8	174.5	172.0	152.5	141.5
75°	175.7	147.6	146.5	133.0	114.7
77.5°	137.9	117.2	119.5	107.3	84.2
80°	98.8	85.4	87.9	76.9	63.4
82.5°	65.9	56.1	58.6	48.8	42.7
85°	36.6	31.7	32.9	25.7	19.6
87.5°	17.1	14.6	14.6	9.7	6.1
90°	49.9	31.7	29.5	20.5	11.4
92.5°	307.9	219.0	199.8	122.5	45.4
95°	757.5	426.6	391.3	250.2	109.0
97.5°	1020.5	468.6	437.5	312.9	188.4
100°	1116.2	503.8	475.6	362.6	249.6
102.5°	1160.1	539.0	512.6	407.2	301.8
105°	1192.5	591.2	568.9	479.6	390.3
107.5°	1198.6	668.3	647.5	564.3	481.1
110°	1189.5	711.4	692.7	617.6	542.4



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CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1189.9	763.6	745.7	674.1	602.5
115°	1200.9	842.0	825.4	759.4	693.3
117.5°	1223.2	918.0	903.0	843.0	782.9
120°	1241.4	962.2	948.1	891.6	835.1
122.5°	1267.5	1014.4	1000.1	943.2	886.2
125°	1302.6	1081.4	1068.4	1016.4	964.5
127.5°	1337.8	1146.1	1133.0	1080.5	1028.1
130°	1363.5	1189.2	1175.1	1118.6	1062.1
132.5°	1384.4	1224.4	1210.3	1153.8	1097.3
135°	1407.0	1265.2	1252.4	1200.9	1149.4
137.5°	1441.0	1317.3	1304.6	1253.8	1202.8
140°	1461.9	1352.5	1340.8	1294.0	1247.0
142.5°	1479.3	1378.6	1367.8	1324.4	1281.0
145°	1502.0	1418.4	1408.9	1371.1	1333.3
147.5°	1535.3	1468.3	1459.1	1422.3	1385.5
150°	1552.6	1494.4	1486.1	1452.8	1419.5
152.5°	1564.0	1511.5	1505.2	1479.9	1454.7
155°	1589.0	1548.8	1544.2	1525.6	1506.9
157.5°	1613.9	1586.3	1581.8	1563.7	1545.5
160°	1625.2	1603.3	1599.8	1585.7	1571.6
162.5°	1637.3	1621.5	1618.9	1608.2	1597.7
165°	1654.7	1647.5	1645.2	1635.5	1626.0
167.5°	1668.4	1662.4	1661.2	1656.6	1652.1
170°	1679.7	1679.4	1678.2	1673.6	1669.1
172.5°	1680.5	1680.5	1680.2	1679.2	1678.2
175°	1687.3	1690.7	1690.7	1690.7	1690.7
177.5°	1688.0	1690.7	1690.7	1690.7	1690.7
180°	1690.7	1690.7	1690.7	1690.7	1690.7



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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	7.81	8.48	8.97	9.62	11.23	10.65	11.32	11.81	12.46	14.06
	3H	8.27	8.87	9.44	10.02	11.64	11.98	12.58	13.15	13.73	15.35
	4H	8.46	9.02	9.63	10.17	11.80	12.42	12.98	13.59	14.14	15.76
	6H	8.56	9.08	9.74	10.24	11.87	12.70	13.22	13.88	14.37	16.01
	8H	8.56	9.05	9.74	10.22	11.85	12.77	13.26	13.95	14.43	16.06
	12H	8.52	8.99	9.71	10.15	11.81	12.80	13.27	13.98	14.43	16.08
4H	2H	8.82	9.39	10.00	10.54	12.16	11.03	11.60	12.22	12.75	14.38
	3H	9.83	10.30	11.02	11.48	13.12	12.52	13.00	13.71	14.17	15.81
	4H	10.10	10.53	11.28	11.70	13.35	13.05	13.48	14.23	14.64	16.30
	6H	10.21	10.58	11.40	11.77	13.42	13.40	13.77	14.59	14.96	16.61
	8H	10.21	10.56	11.40	11.74	13.40	13.50	13.85	14.69	15.03	16.69
	12H	10.17	10.49	11.38	11.67	13.34	13.55	13.87	14.76	15.06	16.72
8H	4H	10.54	10.88	11.73	12.06	13.72	13.15	13.50	14.34	14.68	16.34
	6H	10.79	11.08	12.00	12.30	13.96	13.58	13.87	14.79	15.09	16.75
	8H	10.83	11.08	12.04	12.28	13.96	13.74	13.98	14.95	15.18	16.86
	12H	10.81	11.02	12.02	12.22	13.93	13.83	14.04	15.04	15.24	16.95
12H	4H	10.53	10.85	11.74	12.04	13.71	13.11	13.42	14.31	14.61	16.28
	6H	10.85	11.10	12.06	12.30	13.98	13.58	13.83	14.79	15.03	16.71
	8H	10.91	11.13	12.12	12.32	14.03	13.73	13.95	14.95	15.15	16.86