

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: P935988

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935988
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

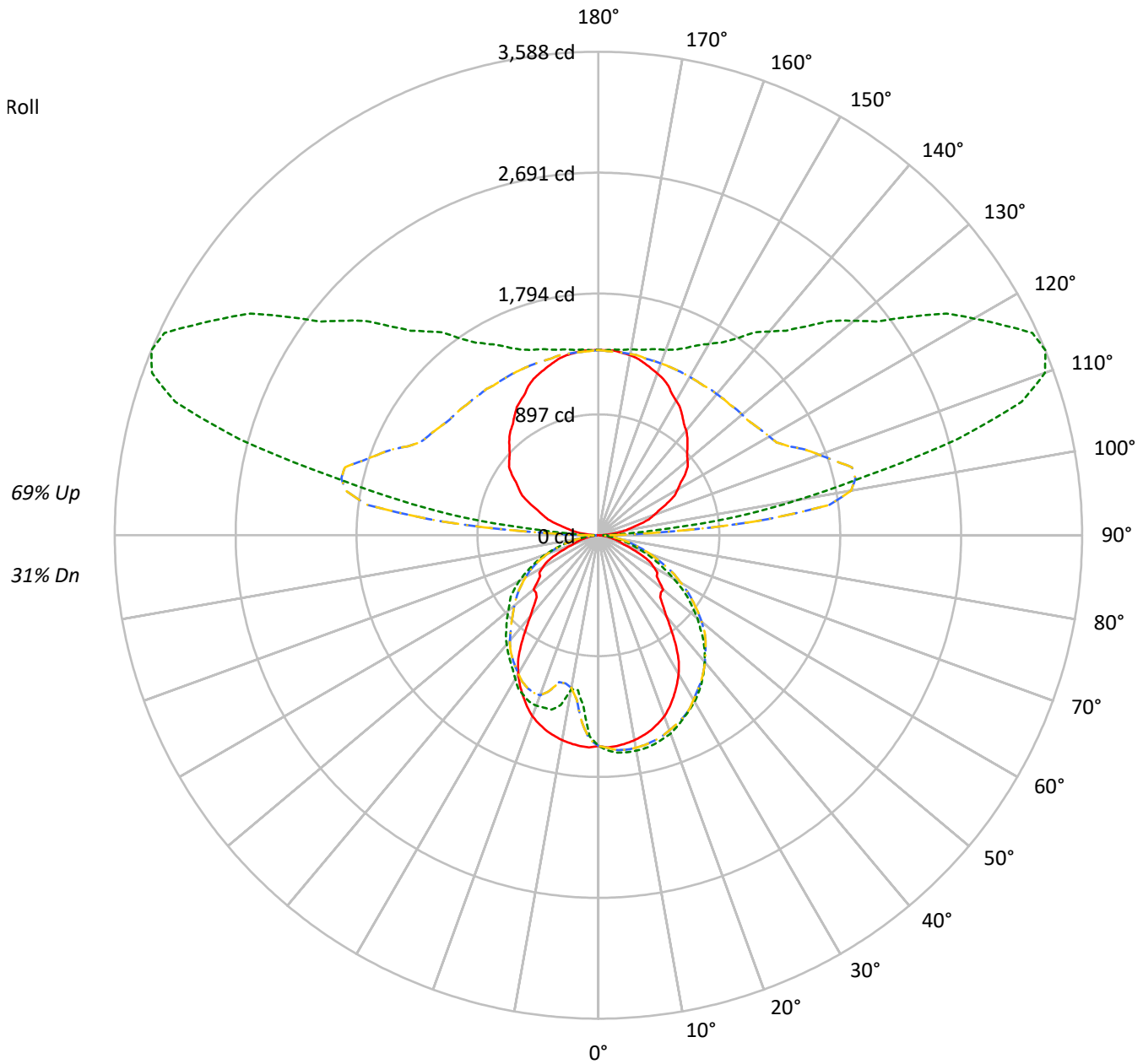
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12968.8 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 95.4
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9671	9671	9671	9671
5°	9740	9762	9740	7676
10°	9671	9616	9671	6875
15°	9562	9408	9562	7856
20°	9358	9161	9358	7872
25°	8945	8801	8945	7705
30°	8413	8502	8413	7339
35°	7496	8124	7496	6937
40°	6243	7679	6243	6633
45°	5574	7158	5574	6283
50°	5918	6537	5918	5932
55°	5562	5868	5562	5728
60°	5726	4984	5726	5247
65°	5184	4119	5184	4605
70°	3582	3283	3582	3860
75°	3128	2427	3128	2907
80°	2503	1604	2503	1747
85°	1413	850	1413	723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8549 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	1.1
10°-20°	400.7	3.1
20°-30°	619.4	4.8
30°-40°	739.4	5.7
40°-50°	743.7	5.7
50°-60°	647.1	5.0
60°-70°	458.8	3.5
70°-80°	242.7	1.9
80°-90°	65.7	0.5
90°-100°	670.0	5.2
100°-110°	1761.4	13.6
110°-120°	1826.4	14.1
120°-130°	1465.0	11.3
130°-140°	1149.5	8.9
140°-150°	882.3	6.8
150°-160°	635.4	4.9
160°-170°	388.8	3.0
170°-180°	131.3	1.0
0°-30°	1161.1	9.0
0°-40°	1900.5	14.7
0°-60°	3291.4	25.4
0°-90°	4058.6	31.3
90°-120°	4257.9	32.8
90°-150°	7754.7	59.8
90°-180°	8910.0	68.7
0°-180°	12968.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1563	1563	1563	1563	1563	
5°	1571	1620	1571	1273	1571	149
15°	1500	1605	1500	1340	1500	422
25°	1321	1497	1321	1310	1321	606
35°	1004	1336	1004	1140	1004	621
45°	648	1100	648	966	648	519
55°	528	812	528	793	528	485
65°	367	490	367	547	367	351
75°	139	232	139	278	139	146
85°	24	59	24	50	24	32
90°	9	35	9	35	9	9
95°	88	405	88	405	88	98
105°	317	2758	317	2758	317	336
115°	564	3552	564	3552	564	557
125°	784	2828	784	2828	784	696
135°	934	2194	934	2194	934	723
145°	1084	1780	1084	1780	1084	679
155°	1225	1533	1225	1533	1225	563
165°	1322	1428	1322	1428	1322	373
175°	1374	1384	1374	1384	1374	130
180°	1374	1374	1374	1374	1374	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1576.6	1576.6	1585.5	1588.4	1588.4	1584.0	1579.6	1584.0	1597.3	1601.8	1600.3
5°	1570.7	1582.5	1598.8	1601.8	1604.7	1603.2	1600.3	1603.2	1618.0	1621.0	1622.5
7.5°	1558.9	1581.1	1601.8	1606.2	1610.6	1606.2	1604.7	1607.7	1622.5	1625.4	1625.4
10°	1544.1	1575.1	1598.8	1601.8	1606.2	1601.8	1601.8	1607.7	1622.5	1625.4	1626.9
12.5°	1523.4	1566.3	1588.4	1591.4	1597.3	1595.8	1594.4	1600.3	1615.1	1618.0	1618.0
15°	1499.7	1550.0	1570.7	1573.7	1584.0	1581.1	1581.1	1587.0	1603.2	1607.7	1606.2
17.5°	1467.2	1529.3	1553.0	1557.4	1564.8	1563.3	1564.8	1570.7	1585.5	1588.4	1589.9
20°	1430.2	1501.2	1529.3	1533.7	1541.1	1541.1	1541.1	1548.5	1563.3	1569.2	1569.2
22.5°	1379.9	1471.6	1501.2	1504.1	1513.0	1513.0	1516.0	1526.3	1539.6	1541.1	1541.1
25°	1320.7	1439.1	1464.2	1473.1	1482.0	1486.4	1490.8	1496.7	1501.2	1499.7	1501.2
27.5°	1258.6	1397.7	1430.2	1436.1	1447.9	1452.4	1458.3	1459.8	1461.3	1465.7	1462.7
30°	1189.1	1340.0	1388.8	1394.7	1413.9	1416.9	1411.0	1413.9	1421.3	1424.3	1427.2
32.5°	1110.7	1254.2	1345.9	1359.2	1376.9	1368.1	1366.6	1371.0	1382.9	1382.9	1385.8
35°	1004.2	1187.6	1306.0	1317.8	1331.1	1320.7	1326.7	1328.1	1335.5	1340.0	1338.5
37.5°	887.4	1130.0	1264.5	1273.4	1283.8	1270.5	1279.3	1283.8	1289.7	1286.7	1286.7
40°	783.9	1039.7	1215.7	1221.7	1230.5	1220.2	1229.0	1232.0	1235.0	1232.0	1230.5
42.5°	707.0	940.6	1164.0	1171.4	1165.5	1172.8	1175.8	1181.7	1177.3	1171.4	1171.4
45°	647.8	914.0	1107.8	1116.6	1107.8	1119.6	1124.0	1124.0	1110.7	1107.8	1106.3
47.5°	628.6	860.8	1051.6	1051.6	1047.1	1061.9	1069.3	1059.0	1045.7	1041.2	1041.2
50°	627.1	801.6	974.7	968.7	989.5	1007.2	999.8	989.5	979.1	962.8	962.8
52.5°	569.4	729.1	875.6	897.8	930.3	940.6	928.8	918.5	900.7	893.3	887.4
55°	528.0	653.7	785.3	829.7	863.7	877.0	854.9	844.5	817.9	813.4	810.5
57.5°	519.1	544.3	702.5	758.7	800.1	798.7	785.3	766.1	743.9	739.5	738.0
60°	476.2	393.4	613.8	680.3	723.2	718.8	707.0	689.2	668.5	665.6	662.6
62.5°	431.9	285.4	513.2	588.6	649.3	647.8	637.4	610.8	596.0	588.6	582.7
65°	366.8	239.6	365.3	489.5	576.8	579.8	557.6	538.4	522.1	513.2	511.7
67.5°	279.5	195.2	247.0	408.2	507.3	504.3	476.2	467.4	446.7	442.2	433.3
70°	207.1	130.2	171.6	331.3	439.3	431.9	409.7	399.3	380.1	369.8	363.8
72.5°	171.6	105.0	125.7	257.3	369.8	360.9	341.6	329.8	313.5	304.7	298.8
75°	139.0	110.9	96.1	190.8	300.2	294.3	276.6	264.7	251.4	239.6	241.1
77.5°	102.1	103.5	76.9	140.5	238.1	229.2	218.9	204.1	198.2	186.4	186.4
80°	76.9	81.3	57.7	96.1	171.6	171.6	162.7	152.3	142.0	136.1	136.1
82.5°	51.8	51.8	42.9	60.6	116.8	112.4	106.5	103.5	97.6	94.7	94.7
85°	23.7	29.6	26.6	37.0	63.6	66.6	66.6	63.6	62.1	59.2	60.6
87.5°	7.4	13.3	16.3	20.7	32.5	34.0	35.5	35.5	35.5	37.0	37.0
90°	9.3	16.7	24.0	25.8	40.6	60.2	70.1	62.3	46.7	35.1	35.1
92.5°	36.9	99.6	162.4	178.1	250.3	346.7	394.8	346.0	248.5	175.3	168.3
95°	88.5	203.3	318.2	346.9	616.0	974.7	1154.0	1029.8	781.3	595.0	573.9
97.5°	153.1	254.4	355.7	381.0	829.6	1427.8	1726.9	1648.4	1491.3	1373.6	1333.4
100°	202.9	294.8	386.6	409.6	907.4	1571.2	1903.1	1908.8	1920.3	1928.9	1881.1
102.5°	245.4	331.1	416.8	438.2	943.1	1616.3	1952.9	2052.9	2252.9	2403.0	2362.0
105°	317.3	389.9	462.4	480.6	969.5	1621.4	1947.4	2171.6	2620.1	2956.5	2934.4
107.5°	391.1	458.8	526.4	543.3	974.4	1549.2	1836.6	2149.5	2775.1	3244.3	3249.7
110°	440.9	502.1	563.1	578.4	967.1	1485.2	1744.3	2094.1	2793.5	3318.1	3341.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	489.8	548.0	606.2	620.8	967.4	1429.4	1660.4	2018.3	2734.2	3271.1	3306.4
115°	563.6	617.3	671.1	684.5	976.2	1365.3	1559.9	1904.7	2594.3	3111.4	3160.3
117.5°	636.5	685.3	734.1	746.3	994.5	1325.3	1490.7	1801.9	2424.2	2891.0	2945.2
120°	679.0	724.9	770.9	782.3	1009.2	1311.8	1463.0	1747.4	2316.0	2742.5	2795.1
122.5°	720.5	766.8	813.2	824.7	1030.4	1304.7	1441.8	1697.9	2209.9	2594.0	2645.9
125°	784.1	826.3	868.6	879.1	1059.0	1298.9	1418.8	1636.3	2071.2	2397.5	2445.3
127.5°	835.7	878.3	921.0	931.7	1087.6	1295.4	1399.3	1586.1	1959.6	2239.7	2280.1
130°	863.4	909.4	955.3	966.8	1108.6	1297.6	1392.0	1558.3	1890.8	2140.1	2177.4
132.5°	892.0	938.0	983.9	995.4	1125.4	1298.9	1385.5	1534.3	1832.0	2055.2	2088.6
135°	934.4	976.2	1018.1	1028.6	1143.9	1297.6	1374.5	1499.1	1748.4	1935.3	1964.1
137.5°	977.8	1019.2	1060.6	1071.0	1171.6	1305.6	1372.6	1478.0	1688.7	1846.8	1870.3
140°	1013.8	1052.0	1090.0	1099.6	1188.4	1306.9	1366.2	1457.2	1639.2	1775.8	1797.8
142.5°	1041.4	1076.7	1112.0	1120.8	1202.6	1311.7	1366.2	1446.2	1606.0	1725.9	1744.8
145°	1083.9	1114.7	1145.4	1153.1	1221.1	1311.7	1356.9	1422.3	1553.1	1651.3	1665.6
147.5°	1126.3	1156.3	1186.2	1193.7	1248.1	1320.6	1356.9	1408.4	1511.2	1588.4	1600.4
150°	1154.0	1181.0	1208.0	1214.9	1262.2	1325.4	1356.9	1400.4	1487.3	1552.5	1562.1
152.5°	1182.6	1203.1	1223.6	1228.8	1271.4	1328.4	1356.9	1394.0	1468.3	1523.9	1531.2
155°	1225.0	1240.2	1255.4	1259.1	1291.8	1335.2	1356.9	1386.4	1445.5	1489.7	1494.6
157.5°	1256.4	1271.2	1285.9	1289.6	1312.1	1341.9	1356.9	1379.9	1425.9	1460.3	1463.6
160°	1277.7	1289.1	1300.5	1303.4	1321.2	1345.0	1356.9	1376.7	1416.0	1445.5	1447.4
162.5°	1298.9	1307.4	1316.0	1318.2	1331.1	1348.4	1356.9	1373.5	1406.7	1431.7	1433.5
165°	1321.9	1329.7	1337.4	1339.4	1345.2	1353.0	1356.9	1368.9	1392.6	1410.5	1412.4
167.5°	1343.1	1346.8	1350.5	1351.4	1356.3	1362.9	1366.2	1374.0	1389.6	1401.2	1402.0
170°	1356.9	1360.6	1364.3	1365.2	1365.5	1366.0	1366.2	1374.0	1389.6	1401.2	1401.2
172.5°	1364.3	1365.1	1366.0	1366.2	1366.2	1366.2	1366.2	1372.3	1384.6	1393.8	1393.1
175°	1374.5	1374.5	1374.5	1374.5	1371.7	1368.1	1366.2	1370.0	1377.8	1383.7	1383.7
177.5°	1374.5	1374.5	1374.5	1374.5	1372.3	1369.5	1368.0	1371.0	1377.2	1381.9	1381.1
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1603.2	1598.8	1603.2	1600.3	1601.8	1597.3	1584.0	1579.6	1584.0	1588.4	1588.4
5°	1622.5	1619.5	1622.5	1622.5	1621.0	1618.0	1603.2	1600.3	1603.2	1604.7	1601.8
7.5°	1628.4	1623.9	1628.4	1625.4	1625.4	1622.5	1607.7	1604.7	1606.2	1610.6	1606.2
10°	1628.4	1623.9	1628.4	1626.9	1625.4	1622.5	1607.7	1601.8	1601.8	1606.2	1601.8
12.5°	1621.0	1618.0	1621.0	1618.0	1618.0	1615.1	1600.3	1594.4	1595.8	1597.3	1591.4
15°	1609.2	1604.7	1609.2	1606.2	1607.7	1603.2	1587.0	1581.1	1581.1	1584.0	1573.7
17.5°	1591.4	1585.5	1591.4	1589.9	1588.4	1585.5	1570.7	1564.8	1563.3	1564.8	1557.4
20°	1570.7	1566.3	1570.7	1569.2	1569.2	1563.3	1548.5	1541.1	1541.1	1541.1	1533.7
22.5°	1538.2	1533.7	1538.2	1541.1	1541.1	1539.6	1526.3	1516.0	1513.0	1513.0	1504.1
25°	1501.2	1496.7	1501.2	1501.2	1499.7	1501.2	1496.7	1490.8	1486.4	1482.0	1473.1
27.5°	1465.7	1462.7	1465.7	1462.7	1465.7	1461.3	1459.8	1458.3	1452.4	1447.9	1436.1
30°	1430.2	1427.2	1430.2	1427.2	1424.3	1421.3	1413.9	1411.0	1416.9	1413.9	1394.7
32.5°	1385.8	1382.9	1385.8	1385.8	1382.9	1382.9	1371.0	1366.6	1368.1	1376.9	1359.2
35°	1340.0	1335.5	1340.0	1338.5	1340.0	1335.5	1328.1	1326.7	1320.7	1331.1	1317.8
37.5°	1286.7	1282.3	1286.7	1286.7	1286.7	1289.7	1283.8	1279.3	1270.5	1283.8	1273.4
40°	1232.0	1226.1	1232.0	1230.5	1232.0	1235.0	1232.0	1229.0	1220.2	1230.5	1221.7
42.5°	1169.9	1168.4	1169.9	1171.4	1171.4	1177.3	1181.7	1175.8	1172.8	1165.5	1171.4
45°	1103.3	1100.4	1103.3	1106.3	1107.8	1110.7	1124.0	1124.0	1119.6	1107.8	1116.6
47.5°	1032.3	1024.9	1032.3	1041.2	1041.2	1045.7	1059.0	1069.3	1061.9	1047.1	1051.6
50°	956.9	958.4	956.9	962.8	962.8	979.1	989.5	999.8	1007.2	989.5	968.7
52.5°	883.0	881.5	883.0	887.4	893.3	900.7	918.5	928.8	940.6	930.3	897.8
55°	809.0	812.0	809.0	810.5	813.4	817.9	844.5	854.9	877.0	863.7	829.7
57.5°	735.1	730.6	735.1	738.0	739.5	743.9	766.1	785.3	798.7	800.1	758.7
60°	649.3	643.4	649.3	662.6	665.6	668.5	689.2	707.0	718.8	723.2	680.3
62.5°	573.9	563.5	573.9	582.7	588.6	596.0	610.8	637.4	647.8	649.3	588.6
65°	494.0	489.5	494.0	511.7	513.2	522.1	538.4	557.6	579.8	576.8	489.5
67.5°	421.5	421.5	421.5	433.3	442.2	446.7	467.4	476.2	504.3	507.3	408.2
70°	355.0	353.5	355.0	363.8	369.8	380.1	399.3	409.7	431.9	439.3	331.3
72.5°	291.4	289.9	291.4	298.8	304.7	313.5	329.8	341.6	360.9	369.8	257.3
75°	235.2	232.2	235.2	241.1	239.6	251.4	264.7	276.6	294.3	300.2	190.8
77.5°	180.4	180.4	180.4	186.4	186.4	198.2	204.1	218.9	229.2	238.1	140.5
80°	134.6	133.1	134.6	136.1	136.1	142.0	152.3	162.7	171.6	171.6	96.1
82.5°	94.7	91.7	94.7	94.7	94.7	97.6	103.5	106.5	112.4	116.8	60.6
85°	59.2	59.2	59.2	60.6	59.2	62.1	63.6	66.6	66.6	63.6	37.0
87.5°	38.5	37.0	38.5	37.0	37.0	35.5	35.5	35.5	34.0	32.5	20.7
90°	35.1	35.1	35.1	35.1	35.1	46.7	62.3	70.1	60.2	40.6	25.8
92.5°	140.4	112.5	140.4	168.3	175.3	248.5	346.0	394.8	346.7	250.3	178.1
95°	489.4	405.0	489.4	573.9	595.0	781.3	1029.8	1154.0	974.7	616.0	346.9
97.5°	1172.6	1011.9	1172.6	1333.4	1373.6	1491.3	1648.4	1726.9	1427.8	829.6	381.0
100°	1689.6	1498.1	1689.6	1881.1	1928.9	1920.3	1908.8	1903.1	1571.2	907.4	409.6
102.5°	2198.0	2034.0	2198.0	2362.0	2403.0	2252.9	2052.9	1952.9	1616.3	943.1	438.2
105°	2846.3	2758.1	2846.3	2934.4	2956.5	2620.1	2171.6	1947.4	1621.4	969.5	480.6
107.5°	3271.0	3292.3	3271.0	3249.7	3244.3	2775.1	2149.5	1836.6	1549.2	974.4	543.3
110°	3432.9	3524.8	3432.9	3341.1	3318.1	2793.5	2094.1	1744.3	1485.2	967.1	578.4



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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3447.4	3588.3	3447.4	3306.4	3271.1	2734.2	2018.3	1660.4	1429.4	967.4	620.8
115°	3355.9	3551.5	3355.9	3160.3	3111.4	2594.3	1904.7	1559.9	1365.3	976.2	684.5
117.5°	3162.1	3379.0	3162.1	2945.2	2891.0	2424.2	1801.9	1490.7	1325.3	994.5	746.3
120°	3005.9	3216.6	3005.9	2795.1	2742.5	2316.0	1747.4	1463.0	1311.8	1009.2	782.3
122.5°	2853.8	3061.6	2853.8	2645.9	2594.0	2209.9	1697.9	1441.8	1304.7	1030.4	824.7
125°	2636.8	2828.2	2636.8	2445.3	2397.5	2071.2	1636.3	1418.8	1298.9	1059.0	879.1
127.5°	2441.6	2603.2	2441.6	2280.1	2239.7	1959.6	1586.1	1399.3	1295.4	1087.6	931.7
130°	2326.7	2475.8	2326.7	2177.4	2140.1	1890.8	1558.3	1392.0	1297.6	1108.6	966.8
132.5°	2222.2	2355.9	2222.2	2088.6	2055.2	1832.0	1534.3	1385.5	1298.9	1125.4	995.4
135°	2079.4	2194.5	2079.4	1964.1	1935.3	1748.4	1499.1	1374.5	1297.6	1143.9	1028.6
137.5°	1964.7	2059.0	1964.7	1870.3	1846.8	1688.7	1478.0	1372.6	1305.6	1171.6	1071.0
140°	1885.9	1974.1	1885.9	1797.8	1775.8	1639.2	1457.2	1366.2	1306.9	1188.4	1099.6
142.5°	1820.7	1896.6	1820.7	1744.8	1725.9	1606.0	1446.2	1366.2	1311.7	1202.6	1120.8
145°	1722.9	1780.3	1722.9	1665.6	1651.3	1553.1	1422.3	1356.9	1311.7	1221.1	1153.1
147.5°	1647.9	1695.5	1647.9	1600.4	1588.4	1511.2	1408.4	1356.9	1320.6	1248.1	1193.7
150°	1600.7	1639.2	1600.7	1562.1	1552.5	1487.3	1400.4	1356.9	1325.4	1262.2	1214.9
152.5°	1560.2	1589.4	1560.2	1531.2	1523.9	1468.3	1394.0	1356.9	1328.4	1271.4	1228.8
155°	1513.8	1533.1	1513.8	1494.6	1489.7	1445.5	1386.4	1356.9	1335.2	1291.8	1259.1
157.5°	1477.2	1490.7	1477.2	1463.6	1460.3	1425.9	1379.9	1356.9	1341.9	1312.1	1289.6
160°	1455.2	1463.0	1455.2	1447.4	1445.5	1416.0	1376.7	1356.9	1345.0	1321.2	1303.4
162.5°	1440.8	1448.2	1440.8	1433.5	1431.7	1406.7	1373.5	1356.9	1348.4	1331.1	1318.2
165°	1420.1	1427.9	1420.1	1412.4	1410.5	1392.6	1368.9	1356.9	1353.0	1345.2	1339.4
167.5°	1405.3	1408.6	1405.3	1402.0	1401.2	1389.6	1374.0	1366.2	1362.9	1356.3	1351.4
170°	1401.2	1401.2	1401.2	1401.2	1401.2	1389.6	1374.0	1366.2	1366.0	1365.5	1365.2
172.5°	1390.3	1387.4	1390.3	1393.1	1393.8	1384.6	1372.3	1366.2	1366.2	1366.2	1366.2
175°	1383.7	1383.7	1383.7	1383.7	1383.7	1377.8	1370.0	1366.2	1368.1	1371.7	1374.5
177.5°	1377.7	1374.5	1377.7	1381.1	1381.9	1377.2	1371.0	1368.0	1369.5	1372.3	1374.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1585.5	1576.6	1576.6	1561.8	1555.9	1551.5	1544.1	1521.9	1516.0	1510.1	1518.9
5°	1598.8	1582.5	1570.7	1544.1	1521.9	1513.0	1484.9	1431.7	1396.2	1369.6	1354.8
7.5°	1601.8	1581.1	1558.9	1517.5	1464.2	1440.5	1354.8	1257.2	1230.5	1206.9	1192.1
10°	1598.8	1575.1	1544.1	1482.0	1356.2	1314.8	1229.0	1165.5	1149.2	1144.7	1149.2
12.5°	1588.4	1566.3	1523.4	1419.8	1243.8	1215.7	1165.5	1128.5	1125.5	1132.9	1172.8
15°	1570.7	1550.0	1499.7	1337.0	1181.7	1161.0	1125.5	1112.2	1128.5	1180.2	1300.0
17.5°	1553.0	1529.3	1467.2	1255.7	1134.4	1119.6	1094.5	1121.1	1212.8	1282.3	1322.2
20°	1529.3	1501.2	1430.2	1196.5	1100.4	1087.1	1075.2	1195.0	1264.5	1289.7	1311.9
22.5°	1501.2	1471.6	1379.9	1155.1	1064.9	1054.5	1061.9	1236.4	1264.5	1282.3	1301.5
25°	1464.2	1439.1	1320.7	1122.6	1036.8	1024.9	1053.0	1232.0	1248.3	1252.7	1291.2
27.5°	1430.2	1397.7	1258.6	1093.0	1002.8	998.3	1060.4	1212.8	1224.6	1229.0	1270.5
30°	1388.8	1340.0	1189.1	1061.9	967.3	965.8	1061.9	1189.1	1186.2	1198.0	1239.4
32.5°	1345.9	1254.2	1110.7	1023.5	933.2	931.8	1051.6	1153.6	1150.7	1166.9	1198.0
35°	1306.0	1187.6	1004.2	979.1	890.4	891.8	1026.4	1112.2	1113.7	1128.5	1147.7
37.5°	1264.5	1130.0	887.4	930.3	848.9	848.9	992.4	1073.8	1070.8	1075.2	1101.9
40°	1215.7	1039.7	783.9	866.7	810.5	806.1	951.0	1032.3	1022.0	1020.5	1057.5
42.5°	1164.0	940.6	707.0	782.4	766.1	760.2	900.7	982.1	962.8	967.3	1014.6
45°	1107.8	914.0	647.8	661.1	720.3	715.8	846.0	924.4	911.1	922.9	971.7
47.5°	1051.6	860.8	628.6	548.7	671.5	670.0	785.3	868.2	860.8	872.6	924.4
50°	974.7	801.6	627.1	470.3	616.7	622.7	712.9	813.4	813.4	823.8	878.5
52.5°	875.6	729.1	569.4	426.0	553.1	570.9	649.3	766.1	769.1	779.4	828.2
55°	785.3	653.7	528.0	391.9	477.7	516.2	587.2	717.3	723.2	733.6	778.0
57.5°	702.5	544.3	519.1	352.0	408.2	445.2	532.4	670.0	672.9	681.8	724.7
60°	613.8	393.4	476.2	309.1	347.6	375.7	482.2	613.8	624.1	630.1	667.0
62.5°	513.2	285.4	431.9	279.5	318.0	323.9	440.7	560.5	573.9	578.3	600.5
65°	365.3	239.6	366.8	254.4	286.9	288.4	396.4	505.8	517.6	525.0	541.3
67.5°	247.0	195.2	279.5	230.7	263.3	264.7	353.5	442.2	458.5	464.4	474.8
70°	171.6	130.2	207.1	205.6	236.6	239.6	307.6	384.5	399.3	403.8	409.7
72.5°	125.7	105.0	171.6	184.9	208.5	211.5	260.3	319.5	334.3	338.7	341.6
75°	96.1	110.9	139.0	161.2	177.5	179.0	213.0	260.3	270.7	273.6	275.1
77.5°	76.9	103.5	102.1	130.2	144.9	142.0	167.1	201.1	210.0	210.0	210.0
80°	57.7	81.3	76.9	93.2	106.5	103.5	119.8	143.5	146.4	149.4	147.9
82.5°	42.9	51.8	51.8	59.2	71.0	68.0	79.9	93.2	93.2	93.2	96.1
85°	26.6	29.6	23.7	31.1	39.9	38.5	44.4	50.3	51.8	51.8	48.8
87.5°	16.3	13.3	7.4	11.8	17.7	17.7	20.7	22.2	20.7	20.7	20.7
90°	24.0	16.7	9.3	16.7	24.0	25.8	40.6	60.2	70.1	62.3	46.7
92.5°	162.4	99.6	36.9	99.6	162.4	178.1	250.3	346.7	394.8	346.0	248.5
95°	318.2	203.3	88.5	203.3	318.2	346.9	616.0	974.7	1154.0	1029.8	781.3
97.5°	355.7	254.4	153.1	254.4	355.7	381.0	829.6	1427.8	1726.9	1648.4	1491.3
100°	386.6	294.8	202.9	294.8	386.6	409.6	907.4	1571.2	1903.1	1908.8	1920.3
102.5°	416.8	331.1	245.4	331.1	416.8	438.2	943.1	1616.3	1952.9	2052.9	2252.9
105°	462.4	389.9	317.3	389.9	462.4	480.6	969.5	1621.4	1947.4	2171.6	2620.1
107.5°	526.4	458.8	391.1	458.8	526.4	543.3	974.4	1549.2	1836.6	2149.5	2775.1
110°	563.1	502.1	440.9	502.1	563.1	578.4	967.1	1485.2	1744.3	2094.1	2793.5



TEST NUMBER: P935988

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	606.2	548.0	489.8	548.0	606.2	620.8	967.4	1429.4	1660.4	2018.3	2734.2
115°	671.1	617.3	563.6	617.3	671.1	684.5	976.2	1365.3	1559.9	1904.7	2594.3
117.5°	734.1	685.3	636.5	685.3	734.1	746.3	994.5	1325.3	1490.7	1801.9	2424.2
120°	770.9	724.9	679.0	724.9	770.9	782.3	1009.2	1311.8	1463.0	1747.4	2316.0
122.5°	813.2	766.8	720.5	766.8	813.2	824.7	1030.4	1304.7	1441.8	1697.9	2209.9
125°	868.6	826.3	784.1	826.3	868.6	879.1	1059.0	1298.9	1418.8	1636.3	2071.2
127.5°	921.0	878.3	835.7	878.3	921.0	931.7	1087.6	1295.4	1399.3	1586.1	1959.6
130°	955.3	909.4	863.4	909.4	955.3	966.8	1108.6	1297.6	1392.0	1558.3	1890.8
132.5°	983.9	938.0	892.0	938.0	983.9	995.4	1125.4	1298.9	1385.5	1534.3	1832.0
135°	1018.1	976.2	934.4	976.2	1018.1	1028.6	1143.9	1297.6	1374.5	1499.1	1748.4
137.5°	1060.6	1019.2	977.8	1019.2	1060.6	1071.0	1171.6	1305.6	1372.6	1478.0	1688.7
140°	1090.0	1052.0	1013.8	1052.0	1090.0	1099.6	1188.4	1306.9	1366.2	1457.2	1639.2
142.5°	1112.0	1076.7	1041.4	1076.7	1112.0	1120.8	1202.6	1311.7	1366.2	1446.2	1606.0
145°	1145.4	1114.7	1083.9	1114.7	1145.4	1153.1	1221.1	1311.7	1356.9	1422.3	1553.1
147.5°	1186.2	1156.3	1126.3	1156.3	1186.2	1193.7	1248.1	1320.6	1356.9	1408.4	1511.2
150°	1208.0	1181.0	1154.0	1181.0	1208.0	1214.9	1262.2	1325.4	1356.9	1400.4	1487.3
152.5°	1223.6	1203.1	1182.6	1203.1	1223.6	1228.8	1271.4	1328.4	1356.9	1394.0	1468.3
155°	1255.4	1240.2	1225.0	1240.2	1255.4	1259.1	1291.8	1335.2	1356.9	1386.4	1445.5
157.5°	1285.9	1271.2	1256.4	1271.2	1285.9	1289.6	1312.1	1341.9	1356.9	1379.9	1425.9
160°	1300.5	1289.1	1277.7	1289.1	1300.5	1303.4	1321.2	1345.0	1356.9	1376.7	1416.0
162.5°	1316.0	1307.4	1298.9	1307.4	1316.0	1318.2	1331.1	1348.4	1356.9	1373.5	1406.7
165°	1337.4	1329.7	1321.9	1329.7	1337.4	1339.4	1345.2	1353.0	1356.9	1368.9	1392.6
167.5°	1350.5	1346.8	1343.1	1346.8	1350.5	1351.4	1356.3	1362.9	1366.2	1374.0	1389.6
170°	1364.3	1360.6	1356.9	1360.6	1364.3	1365.2	1365.5	1366.0	1366.2	1374.0	1389.6
172.5°	1366.0	1365.1	1364.3	1365.1	1366.0	1366.2	1366.2	1366.2	1366.2	1372.3	1384.6
175°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1371.7	1368.1	1366.2	1370.0	1377.8
177.5°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1372.3	1369.5	1368.0	1371.0	1377.2
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



TEST NUMBER: P935988

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1508.6	1504.1	1510.1	1493.8	1510.1	1504.1	1508.6	1518.9	1510.1	1516.0	1521.9
5°	1323.7	1316.3	1292.6	1273.4	1292.6	1316.3	1323.7	1354.8	1369.6	1396.2	1431.7
7.5°	1183.2	1177.3	1171.4	1159.5	1171.4	1177.3	1183.2	1192.1	1206.9	1230.5	1257.2
10°	1152.1	1153.6	1162.5	1161.0	1162.5	1153.6	1152.1	1149.2	1144.7	1149.2	1165.5
12.5°	1232.0	1245.3	1294.1	1291.2	1294.1	1245.3	1232.0	1172.8	1132.9	1125.5	1128.5
15°	1323.7	1328.1	1338.5	1340.0	1338.5	1328.1	1323.7	1300.0	1180.2	1128.5	1112.2
17.5°	1332.6	1334.1	1341.5	1341.5	1341.5	1334.1	1332.6	1322.2	1282.3	1212.8	1121.1
20°	1325.2	1328.1	1342.9	1345.9	1342.9	1328.1	1325.2	1311.9	1289.7	1264.5	1195.0
22.5°	1322.2	1328.1	1340.0	1338.5	1340.0	1328.1	1322.2	1301.5	1282.3	1264.5	1236.4
25°	1307.4	1307.4	1308.9	1310.4	1308.9	1307.4	1307.4	1291.2	1252.7	1248.3	1232.0
27.5°	1276.4	1279.3	1288.2	1286.7	1288.2	1279.3	1276.4	1270.5	1229.0	1224.6	1212.8
30°	1248.3	1245.3	1237.9	1232.0	1237.9	1245.3	1248.3	1239.4	1198.0	1186.2	1189.1
32.5°	1200.9	1193.6	1186.2	1181.7	1186.2	1193.6	1200.9	1198.0	1166.9	1150.7	1153.6
35°	1144.7	1146.2	1144.7	1140.3	1144.7	1146.2	1144.7	1147.7	1128.5	1113.7	1112.2
37.5°	1104.8	1107.8	1106.3	1100.4	1106.3	1107.8	1104.8	1101.9	1075.2	1070.8	1073.8
40°	1063.4	1064.9	1063.4	1059.0	1063.4	1064.9	1063.4	1057.5	1020.5	1022.0	1032.3
42.5°	1023.5	1022.0	1017.6	1014.6	1017.6	1022.0	1023.5	1014.6	967.3	962.8	982.1
45°	977.6	979.1	970.2	965.8	970.2	979.1	977.6	971.7	922.9	911.1	924.4
47.5°	931.8	931.8	924.4	919.9	924.4	931.8	931.8	924.4	872.6	860.8	868.2
50°	883.0	881.5	871.1	869.7	871.1	881.5	883.0	878.5	823.8	813.4	813.4
52.5°	826.8	826.8	828.2	831.2	828.2	826.8	826.8	828.2	779.4	769.1	766.1
55°	778.0	779.4	789.8	792.7	789.8	779.4	778.0	778.0	733.6	723.2	717.3
57.5°	727.7	727.7	735.1	735.1	735.1	727.7	727.7	724.7	681.8	672.9	670.0
60°	670.0	672.9	678.9	677.4	678.9	672.9	670.0	667.0	630.1	624.1	613.8
62.5°	609.3	612.3	613.8	610.8	613.8	612.3	609.3	600.5	578.3	573.9	560.5
65°	545.8	548.7	550.2	547.2	550.2	548.7	545.8	541.3	525.0	517.6	505.8
67.5°	480.7	479.2	477.7	483.6	477.7	479.2	480.7	474.8	464.4	458.5	442.2
70°	414.1	414.1	412.6	415.6	412.6	414.1	414.1	409.7	403.8	399.3	384.5
72.5°	343.1	341.6	347.6	343.1	347.6	341.6	343.1	341.6	338.7	334.3	319.5
75°	273.6	276.6	273.6	278.1	273.6	276.6	273.6	275.1	273.6	270.7	260.3
77.5°	208.5	211.5	208.5	208.5	208.5	211.5	208.5	210.0	210.0	210.0	201.1
80°	147.9	146.4	146.4	144.9	146.4	146.4	147.9	147.9	149.4	146.4	143.5
82.5°	94.7	93.2	93.2	96.1	93.2	93.2	94.7	96.1	93.2	93.2	93.2
85°	51.8	53.2	50.3	50.3	50.3	53.2	51.8	48.8	51.8	51.8	50.3
87.5°	19.2	17.7	17.7	17.7	17.7	17.7	19.2	20.7	20.7	20.7	22.2
90°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	46.7	62.3	70.1	60.2
92.5°	175.3	168.3	140.4	112.5	140.4	168.3	175.3	248.5	346.0	394.8	346.7
95°	595.0	573.9	489.4	405.0	489.4	573.9	595.0	781.3	1029.8	1154.0	974.7
97.5°	1373.6	1333.4	1172.6	1011.9	1172.6	1333.4	1373.6	1491.3	1648.4	1726.9	1427.8
100°	1928.9	1881.1	1689.6	1498.1	1689.6	1881.1	1928.9	1920.3	1908.8	1903.1	1571.2
102.5°	2403.0	2362.0	2198.0	2034.0	2198.0	2362.0	2403.0	2252.9	2052.9	1952.9	1616.3
105°	2956.5	2934.4	2846.3	2758.1	2846.3	2934.4	2956.5	2620.1	2171.6	1947.4	1621.4
107.5°	3244.3	3249.7	3271.0	3292.3	3271.0	3249.7	3244.3	2775.1	2149.5	1836.6	1549.2
110°	3318.1	3341.1	3432.9	3524.8	3432.9	3341.1	3318.1	2793.5	2094.1	1744.3	1485.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3271.1	3306.4	3447.4	3588.3	3447.4	3306.4	3271.1	2734.2	2018.3	1660.4	1429.4
115°	3111.4	3160.3	3355.9	3551.5	3355.9	3160.3	3111.4	2594.3	1904.7	1559.9	1365.3
117.5°	2891.0	2945.2	3162.1	3379.0	3162.1	2945.2	2891.0	2424.2	1801.9	1490.7	1325.3
120°	2742.5	2795.1	3005.9	3216.6	3005.9	2795.1	2742.5	2316.0	1747.4	1463.0	1311.8
122.5°	2594.0	2645.9	2853.8	3061.6	2853.8	2645.9	2594.0	2209.9	1697.9	1441.8	1304.7
125°	2397.5	2445.3	2636.8	2828.2	2636.8	2445.3	2397.5	2071.2	1636.3	1418.8	1298.9
127.5°	2239.7	2280.1	2441.6	2603.2	2441.6	2280.1	2239.7	1959.6	1586.1	1399.3	1295.4
130°	2140.1	2177.4	2326.7	2475.8	2326.7	2177.4	2140.1	1890.8	1558.3	1392.0	1297.6
132.5°	2055.2	2088.6	2222.2	2355.9	2222.2	2088.6	2055.2	1832.0	1534.3	1385.5	1298.9
135°	1935.3	1964.1	2079.4	2194.5	2079.4	1964.1	1935.3	1748.4	1499.1	1374.5	1297.6
137.5°	1846.8	1870.3	1964.7	2059.0	1964.7	1870.3	1846.8	1688.7	1478.0	1372.6	1305.6
140°	1775.8	1797.8	1885.9	1974.1	1885.9	1797.8	1775.8	1639.2	1457.2	1366.2	1306.9
142.5°	1725.9	1744.8	1820.7	1896.6	1820.7	1744.8	1725.9	1606.0	1446.2	1366.2	1311.7
145°	1651.3	1665.6	1722.9	1780.3	1722.9	1665.6	1651.3	1553.1	1422.3	1356.9	1311.7
147.5°	1588.4	1600.4	1647.9	1695.5	1647.9	1600.4	1588.4	1511.2	1408.4	1356.9	1320.6
150°	1552.5	1562.1	1600.7	1639.2	1600.7	1562.1	1552.5	1487.3	1400.4	1356.9	1325.4
152.5°	1523.9	1531.2	1560.2	1589.4	1560.2	1531.2	1523.9	1468.3	1394.0	1356.9	1328.4
155°	1489.7	1494.6	1513.8	1533.1	1513.8	1494.6	1489.7	1445.5	1386.4	1356.9	1335.2
157.5°	1460.3	1463.6	1477.2	1490.7	1477.2	1463.6	1460.3	1425.9	1379.9	1356.9	1341.9
160°	1445.5	1447.4	1455.2	1463.0	1455.2	1447.4	1445.5	1416.0	1376.7	1356.9	1345.0
162.5°	1431.7	1433.5	1440.8	1448.2	1440.8	1433.5	1431.7	1406.7	1373.5	1356.9	1348.4
165°	1410.5	1412.4	1420.1	1427.9	1420.1	1412.4	1410.5	1392.6	1368.9	1356.9	1353.0
167.5°	1401.2	1402.0	1405.3	1408.6	1405.3	1402.0	1401.2	1389.6	1374.0	1366.2	1362.9
170°	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1389.6	1374.0	1366.2	1366.0
172.5°	1393.8	1393.1	1390.3	1387.4	1390.3	1393.1	1393.8	1384.6	1372.3	1366.2	1366.2
175°	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1377.8	1370.0	1366.2	1368.1
177.5°	1381.9	1381.1	1377.7	1374.5	1377.7	1381.1	1381.9	1377.2	1371.0	1368.0	1369.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1544.1	1551.5	1555.9	1561.8	1576.6
5°	1484.9	1513.0	1521.9	1544.1	1570.7
7.5°	1354.8	1440.5	1464.2	1517.5	1558.9
10°	1229.0	1314.8	1356.2	1482.0	1544.1
12.5°	1165.5	1215.7	1243.8	1419.8	1523.4
15°	1125.5	1161.0	1181.7	1337.0	1499.7
17.5°	1094.5	1119.6	1134.4	1255.7	1467.2
20°	1075.2	1087.1	1100.4	1196.5	1430.2
22.5°	1061.9	1054.5	1064.9	1155.1	1379.9
25°	1053.0	1024.9	1036.8	1122.6	1320.7
27.5°	1060.4	998.3	1002.8	1093.0	1258.6
30°	1061.9	965.8	967.3	1061.9	1189.1
32.5°	1051.6	931.8	933.2	1023.5	1110.7
35°	1026.4	891.8	890.4	979.1	1004.2
37.5°	992.4	848.9	848.9	930.3	887.4
40°	951.0	806.1	810.5	866.7	783.9
42.5°	900.7	760.2	766.1	782.4	707.0
45°	846.0	715.8	720.3	661.1	647.8
47.5°	785.3	670.0	671.5	548.7	628.6
50°	712.9	622.7	616.7	470.3	627.1
52.5°	649.3	570.9	553.1	426.0	569.4
55°	587.2	516.2	477.7	391.9	528.0
57.5°	532.4	445.2	408.2	352.0	519.1
60°	482.2	375.7	347.6	309.1	476.2
62.5°	440.7	323.9	318.0	279.5	431.9
65°	396.4	288.4	286.9	254.4	366.8
67.5°	353.5	264.7	263.3	230.7	279.5
70°	307.6	239.6	236.6	205.6	207.1
72.5°	260.3	211.5	208.5	184.9	171.6
75°	213.0	179.0	177.5	161.2	139.0
77.5°	167.1	142.0	144.9	130.2	102.1
80°	119.8	103.5	106.5	93.2	76.9
82.5°	79.9	68.0	71.0	59.2	51.8
85°	44.4	38.5	39.9	31.1	23.7
87.5°	20.7	17.7	17.7	11.8	7.4
90°	40.6	25.8	24.0	16.7	9.3
92.5°	250.3	178.1	162.4	99.6	36.9
95°	616.0	346.9	318.2	203.3	88.5
97.5°	829.6	381.0	355.7	254.4	153.1
100°	907.4	409.6	386.6	294.8	202.9
102.5°	943.1	438.2	416.8	331.1	245.4
105°	969.5	480.6	462.4	389.9	317.3
107.5°	974.4	543.3	526.4	458.8	391.1
110°	967.1	578.4	563.1	502.1	440.9



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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	967.4	620.8	606.2	548.0	489.8
115°	976.2	684.5	671.1	617.3	563.6
117.5°	994.5	746.3	734.1	685.3	636.5
120°	1009.2	782.3	770.9	724.9	679.0
122.5°	1030.4	824.7	813.2	766.8	720.5
125°	1059.0	879.1	868.6	826.3	784.1
127.5°	1087.6	931.7	921.0	878.3	835.7
130°	1108.6	966.8	955.3	909.4	863.4
132.5°	1125.4	995.4	983.9	938.0	892.0
135°	1143.9	1028.6	1018.1	976.2	934.4
137.5°	1171.6	1071.0	1060.6	1019.2	977.8
140°	1188.4	1099.6	1090.0	1052.0	1013.8
142.5°	1202.6	1120.8	1112.0	1076.7	1041.4
145°	1221.1	1153.1	1145.4	1114.7	1083.9
147.5°	1248.1	1193.7	1186.2	1156.3	1126.3
150°	1262.2	1214.9	1208.0	1181.0	1154.0
152.5°	1271.4	1228.8	1223.6	1203.1	1182.6
155°	1291.8	1259.1	1255.4	1240.2	1225.0
157.5°	1312.1	1289.6	1285.9	1271.2	1256.4
160°	1321.2	1303.4	1300.5	1289.1	1277.7
162.5°	1331.1	1318.2	1316.0	1307.4	1298.9
165°	1345.2	1339.4	1337.4	1329.7	1321.9
167.5°	1356.3	1351.4	1350.5	1346.8	1343.1
170°	1365.5	1365.2	1364.3	1360.6	1356.9
172.5°	1366.2	1366.2	1366.0	1365.1	1364.3
175°	1371.7	1374.5	1374.5	1374.5	1374.5
177.5°	1372.3	1374.5	1374.5	1374.5	1374.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5



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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	10.65	11.36	11.75	12.46	13.98	13.47	14.19	14.57	15.28	16.80
	3H	11.11	11.75	12.22	12.86	14.39	14.80	15.44	15.91	16.55	18.08
	4H	11.30	11.90	12.42	13.01	14.55	15.24	15.85	16.36	16.96	18.49
	6H	11.41	11.97	12.54	13.08	14.63	15.51	16.07	16.64	17.19	18.73
	8H	11.40	11.94	12.54	13.06	14.61	15.58	16.12	16.72	17.24	18.79
	12H	11.37	11.88	12.51	13.00	14.56	15.62	16.12	16.75	17.24	18.81
4H	2H	11.66	12.27	12.79	13.38	14.91	13.86	14.47	14.99	15.58	17.12
	3H	12.67	13.18	13.81	14.31	15.86	15.35	15.86	16.49	16.99	18.54
	4H	12.94	13.41	14.08	14.53	16.10	15.87	16.34	17.01	17.46	19.03
	6H	13.06	13.46	14.20	14.60	16.17	16.23	16.63	17.37	17.77	19.34
	8H	13.06	13.43	14.21	14.57	16.15	16.33	16.70	17.47	17.84	19.42
	12H	13.02	13.36	14.18	14.51	16.09	16.38	16.72	17.54	17.87	19.45
8H	4H	13.38	13.76	14.53	14.89	16.47	15.99	16.36	17.13	17.50	19.07
	6H	13.64	13.95	14.80	15.13	16.70	16.41	16.72	17.58	17.90	19.48
	8H	13.68	13.95	14.85	15.11	16.70	16.56	16.83	17.73	17.99	19.59
	12H	13.66	13.89	14.83	15.05	16.68	16.65	16.89	17.83	18.05	19.68
12H	4H	13.38	13.72	14.54	14.87	16.45	15.94	16.28	17.10	17.43	19.01
	6H	13.70	13.97	14.87	15.13	16.72	16.41	16.68	17.58	17.84	19.43
	8H	13.76	13.99	14.93	15.15	16.78	16.56	16.80	17.74	17.96	19.59