

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: P935942

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-6500K

Issue Date: 12/17/2024

**Test Information**

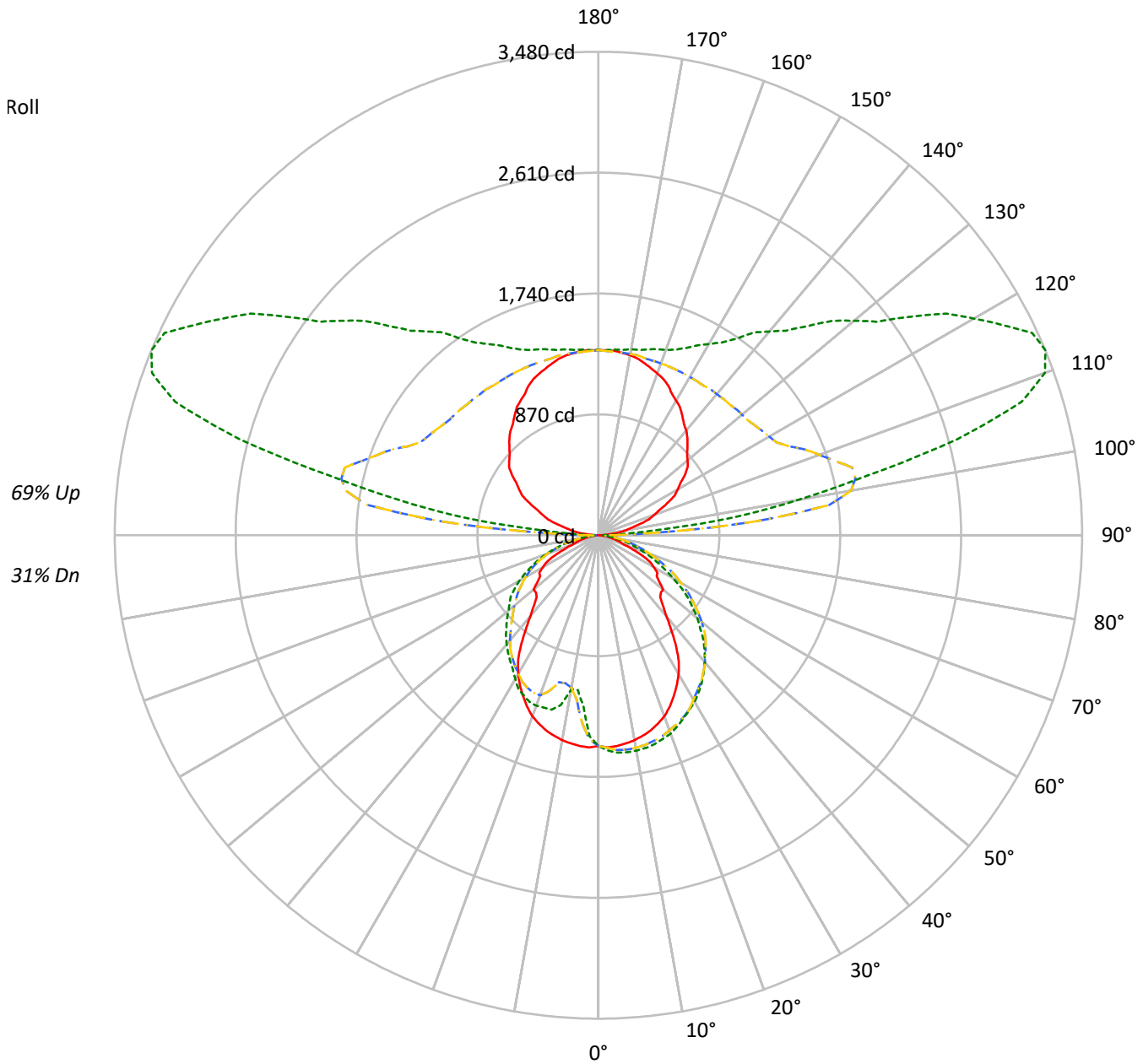
Test Method: LM-79-2019  
Report Number: P935942  
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12576.7 lumens  
Efficiency: N/A  
Efficacy: 131.8 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	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9378	9378	9378	9378
5°	9445	9467	9445	7444
10°	9378	9325	9378	6667
15°	9273	9124	9273	7619
20°	9076	8884	9076	7634
25°	8675	8535	8675	7473
30°	8159	8245	8159	7118
35°	7270	7879	7270	6727
40°	6054	7447	6054	6432
45°	5406	6942	5406	6093
50°	5738	6339	5738	5753
55°	5394	5690	5394	5556
60°	5553	4833	5553	5088
65°	5027	3995	5027	4466
70°	3473	3184	3473	3743
75°	3033	2354	3033	2818
80°	2428	1556	2428	1695
85°	1365	824	1365	701

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8291 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.8	1.1
10°-20°	388.6	3.1
20°-30°	600.6	4.8
30°-40°	717.0	5.7
40°-50°	721.2	5.7
50°-60°	627.6	5.0
60°-70°	445.0	3.5
70°-80°	235.4	1.9
80°-90°	63.7	0.5
90°-100°	649.8	5.2
100°-110°	1708.2	13.6
110°-120°	1771.2	14.1
120°-130°	1420.7	11.3
130°-140°	1114.8	8.9
140°-150°	855.6	6.8
150°-160°	616.2	4.9
160°-170°	377.0	3.0
170°-180°	127.4	1.0
0°-30°	1126.0	9.0
0°-40°	1843.1	14.7
0°-60°	3191.9	25.4
0°-90°	3935.9	31.3
90°-120°	4129.1	32.8
90°-150°	7520.2	59.8
90°-180°	8641.0	68.7
0°-180°	12576.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1516	1516	1516	1516	1516	
5°	1523	1570	1523	1235	1523	144
15°	1454	1556	1454	1300	1454	409
25°	1281	1452	1281	1271	1281	588
35°	974	1295	974	1106	974	603
45°	628	1067	628	937	628	503
55°	512	787	512	769	512	470
65°	356	475	356	531	356	340
75°	135	225	135	270	135	142
85°	23	57	23	49	23	31
90°	9	34	9	34	9	8
95°	86	393	86	393	86	95
105°	308	2675	308	2675	308	326
115°	547	3444	547	3444	547	540
125°	760	2743	760	2743	760	675
135°	906	2128	906	2128	906	701
145°	1051	1726	1051	1726	1051	659
155°	1188	1487	1188	1487	1188	546
165°	1282	1385	1282	1385	1282	362
175°	1333	1342	1333	1342	1333	127
180°	1333	1333	1333	1333	1333	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1529.0	1529.0	1537.6	1540.4	1540.4	1536.1	1531.8	1536.1	1549.0	1553.3	1551.9
5°	1523.2	1534.7	1550.5	1553.3	1556.2	1554.8	1551.9	1554.8	1569.1	1572.0	1573.4
7.5°	1511.7	1533.3	1553.3	1557.6	1561.9	1557.6	1556.2	1559.1	1573.4	1576.3	1576.3
10°	1497.4	1527.5	1550.5	1553.3	1557.6	1553.3	1553.3	1559.1	1573.4	1576.3	1577.7
12.5°	1477.3	1518.9	1540.4	1543.3	1549.0	1547.6	1546.2	1551.9	1566.2	1569.1	1569.1
15°	1454.4	1503.1	1523.2	1526.1	1536.1	1533.3	1533.3	1539.0	1554.8	1559.1	1557.6
17.5°	1422.8	1483.1	1506.0	1510.3	1517.5	1516.0	1517.5	1523.2	1537.6	1540.4	1541.9
20°	1387.0	1455.8	1483.1	1487.4	1494.5	1494.5	1494.5	1501.7	1516.0	1521.8	1521.8
22.5°	1338.2	1427.1	1455.8	1458.7	1467.3	1467.3	1470.1	1480.2	1493.1	1494.5	1494.5
25°	1280.8	1395.6	1419.9	1428.6	1437.2	1441.5	1445.8	1451.5	1455.8	1454.4	1455.8
27.5°	1220.6	1355.4	1387.0	1392.7	1404.2	1408.5	1414.2	1415.6	1417.1	1421.4	1418.5
30°	1153.2	1299.5	1346.8	1352.5	1371.2	1374.0	1368.3	1371.2	1378.4	1381.2	1384.1
32.5°	1077.2	1216.3	1305.2	1318.1	1335.3	1326.7	1325.3	1329.6	1341.1	1341.1	1343.9
35°	973.9	1151.7	1266.5	1278.0	1290.9	1280.8	1286.6	1288.0	1295.2	1299.5	1298.0
37.5°	860.6	1095.8	1226.3	1234.9	1245.0	1232.1	1240.7	1245.0	1250.7	1247.8	1247.8
40°	760.2	1008.3	1179.0	1184.7	1193.3	1183.3	1191.9	1194.8	1197.6	1194.8	1193.3
42.5°	685.6	912.2	1128.8	1136.0	1130.2	1137.4	1140.3	1146.0	1141.7	1136.0	1136.0
45°	628.2	886.4	1074.3	1082.9	1074.3	1085.8	1090.1	1090.1	1077.2	1074.3	1072.8
47.5°	609.6	834.8	1019.8	1019.8	1015.5	1029.8	1037.0	1027.0	1014.0	1009.7	1009.7
50°	608.1	777.4	945.2	939.5	959.5	976.8	969.6	959.5	949.5	933.7	933.7
52.5°	552.2	707.1	849.1	870.6	902.2	912.2	900.7	890.7	873.5	866.3	860.6
55°	512.0	634.0	761.6	804.6	837.6	850.5	829.0	819.0	793.2	788.9	786.0
57.5°	503.4	527.8	681.3	735.8	776.0	774.5	761.6	743.0	721.4	717.1	715.7
60°	461.8	381.5	595.2	659.8	701.4	697.1	685.6	668.4	648.3	645.4	642.6
62.5°	418.8	276.8	497.7	570.8	629.7	628.2	618.2	592.4	578.0	570.8	565.1
65°	355.7	232.4	354.3	474.7	559.4	562.2	540.7	522.1	506.3	497.7	496.3
67.5°	271.1	189.3	239.5	395.9	492.0	489.1	461.8	453.2	433.2	428.9	420.2
70°	200.8	126.2	166.4	321.3	426.0	418.8	397.3	387.3	368.6	358.6	352.8
72.5°	166.4	101.8	121.9	249.6	358.6	350.0	331.3	319.8	304.1	295.5	289.7
75°	134.8	107.6	93.2	185.0	291.2	285.4	268.2	256.7	243.8	232.4	233.8
77.5°	99.0	100.4	74.6	136.3	230.9	222.3	212.3	197.9	192.2	180.7	180.7
80°	74.6	78.9	55.9	93.2	166.4	166.4	157.8	147.7	137.7	132.0	132.0
82.5°	50.2	50.2	41.6	58.8	113.3	109.0	103.3	100.4	94.7	91.8	91.8
85°	22.9	28.7	25.8	35.9	61.7	64.5	64.5	61.7	60.2	57.4	58.8
87.5°	7.2	12.9	15.8	20.1	31.6	33.0	34.4	34.4	34.4	35.9	35.9
90°	9.0	16.2	23.2	25.1	39.4	58.4	68.0	60.4	45.3	34.0	34.0
92.5°	35.8	96.6	157.5	172.7	242.8	336.2	382.9	335.5	241.0	170.0	163.2
95°	85.9	197.2	308.6	336.4	597.3	945.2	1119.1	998.6	757.7	577.0	556.5
97.5°	148.5	246.7	344.9	369.5	804.5	1384.7	1674.7	1598.6	1446.2	1332.1	1293.1
100°	196.8	285.9	374.9	397.2	880.0	1523.7	1845.5	1851.1	1862.3	1870.6	1824.2
102.5°	238.0	321.1	404.2	424.9	914.6	1567.4	1893.8	1990.8	2184.8	2330.3	2290.6
105°	307.7	378.1	448.5	466.0	940.2	1572.4	1888.5	2105.9	2540.9	2867.1	2845.7
107.5°	379.3	444.9	510.5	526.9	944.9	1502.4	1781.1	2084.5	2691.2	3146.3	3151.4
110°	427.6	486.9	546.1	560.9	937.8	1440.3	1691.6	2030.8	2709.1	3217.8	3240.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	475.0	531.5	587.9	602.0	938.1	1386.2	1610.2	1957.3	2651.5	3172.2	3206.4
115°	546.6	598.7	650.8	663.8	946.7	1324.0	1512.7	1847.1	2515.8	3017.4	3064.8
117.5°	617.2	664.6	711.9	723.7	964.4	1285.2	1445.7	1747.4	2350.9	2803.6	2856.1
120°	658.4	703.0	747.6	758.6	978.7	1272.1	1418.8	1694.6	2246.0	2659.6	2710.6
122.5°	698.7	743.6	788.6	799.8	999.2	1265.2	1398.2	1646.6	2143.1	2515.6	2565.9
125°	760.4	801.3	842.3	852.5	1027.0	1259.6	1375.9	1586.8	2008.6	2325.0	2371.4
127.5°	810.5	851.8	893.2	903.5	1054.7	1256.2	1357.0	1538.1	1900.3	2172.0	2211.2
130°	837.3	881.9	926.5	937.5	1075.0	1258.3	1350.0	1511.2	1833.6	2075.4	2111.6
132.5°	865.1	909.6	954.2	965.3	1091.4	1259.6	1343.6	1487.9	1776.6	1993.1	2025.5
135°	906.2	946.7	987.4	997.5	1109.3	1258.3	1332.9	1453.8	1695.5	1876.8	1904.7
137.5°	948.3	988.4	1028.6	1038.6	1136.1	1266.1	1331.1	1433.3	1637.7	1790.9	1813.8
140°	983.2	1020.2	1057.1	1066.3	1152.5	1267.4	1324.9	1413.2	1589.7	1722.1	1743.4
142.5°	1009.9	1044.2	1078.4	1086.9	1166.3	1272.0	1324.9	1402.4	1557.4	1673.7	1692.1
145°	1051.1	1081.0	1110.8	1118.3	1184.1	1272.0	1315.9	1379.3	1506.2	1601.3	1615.2
147.5°	1092.3	1121.3	1150.3	1157.6	1210.3	1280.7	1315.9	1365.8	1465.6	1540.4	1552.0
150°	1119.1	1145.3	1171.5	1178.1	1224.0	1285.3	1315.9	1358.1	1442.3	1505.5	1514.9
152.5°	1146.9	1166.7	1186.6	1191.6	1233.0	1288.3	1315.9	1351.9	1423.9	1477.8	1484.9
155°	1188.0	1202.7	1217.4	1221.1	1252.7	1294.9	1315.9	1344.5	1401.8	1444.7	1449.4
157.5°	1218.4	1232.7	1247.1	1250.6	1272.4	1301.4	1315.9	1338.2	1382.8	1416.1	1419.4
160°	1239.0	1250.1	1261.2	1264.0	1281.3	1304.3	1315.9	1335.0	1373.2	1401.8	1403.7
162.5°	1259.6	1267.9	1276.2	1278.3	1290.9	1307.6	1315.9	1332.0	1364.2	1388.4	1390.2
165°	1282.0	1289.5	1297.0	1298.9	1304.5	1312.1	1315.9	1327.5	1350.5	1367.8	1369.7
167.5°	1302.5	1306.1	1309.7	1310.6	1315.3	1321.7	1324.9	1332.5	1347.6	1358.8	1359.6
170°	1315.9	1319.5	1323.1	1323.9	1324.2	1324.7	1324.9	1332.5	1347.6	1358.8	1358.8
172.5°	1323.1	1323.8	1324.7	1324.9	1324.9	1324.9	1324.9	1330.8	1342.8	1351.7	1351.0
175°	1332.9	1332.9	1332.9	1332.9	1330.3	1326.7	1324.9	1328.6	1336.2	1341.8	1341.8
177.5°	1332.9	1332.9	1332.9	1332.9	1330.8	1328.1	1326.6	1329.6	1335.6	1340.1	1339.3
180°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1554.8	1550.5	1554.8	1551.9	1553.3	1549.0	1536.1	1531.8	1536.1	1540.4	1540.4
5°	1573.4	1570.5	1573.4	1573.4	1572.0	1569.1	1554.8	1551.9	1554.8	1556.2	1553.3
7.5°	1579.2	1574.8	1579.2	1576.3	1576.3	1573.4	1559.1	1556.2	1557.6	1561.9	1557.6
10°	1579.2	1574.8	1579.2	1577.7	1576.3	1573.4	1559.1	1553.3	1553.3	1557.6	1553.3
12.5°	1572.0	1569.1	1572.0	1569.1	1569.1	1566.2	1551.9	1546.2	1547.6	1549.0	1543.3
15°	1560.5	1556.2	1560.5	1557.6	1559.1	1554.8	1539.0	1533.3	1533.3	1536.1	1526.1
17.5°	1543.3	1537.6	1543.3	1541.9	1540.4	1537.6	1523.2	1517.5	1516.0	1517.5	1510.3
20°	1523.2	1518.9	1523.2	1521.8	1521.8	1516.0	1501.7	1494.5	1494.5	1494.5	1487.4
22.5°	1491.7	1487.4	1491.7	1494.5	1494.5	1493.1	1480.2	1470.1	1467.3	1467.3	1458.7
25°	1455.8	1451.5	1455.8	1455.8	1454.4	1455.8	1451.5	1445.8	1441.5	1437.2	1428.6
27.5°	1421.4	1418.5	1421.4	1418.5	1421.4	1417.1	1415.6	1414.2	1408.5	1404.2	1392.7
30°	1387.0	1384.1	1387.0	1384.1	1381.2	1378.4	1371.2	1368.3	1374.0	1371.2	1352.5
32.5°	1343.9	1341.1	1343.9	1343.9	1341.1	1341.1	1329.6	1325.3	1326.7	1335.3	1318.1
35°	1299.5	1295.2	1299.5	1298.0	1299.5	1295.2	1288.0	1286.6	1280.8	1290.9	1278.0
37.5°	1247.8	1243.5	1247.8	1247.8	1247.8	1250.7	1245.0	1240.7	1232.1	1245.0	1234.9
40°	1194.8	1189.0	1194.8	1193.3	1194.8	1197.6	1194.8	1191.9	1183.3	1193.3	1184.7
42.5°	1134.5	1133.1	1134.5	1136.0	1136.0	1141.7	1146.0	1140.3	1137.4	1130.2	1136.0
45°	1070.0	1067.1	1070.0	1072.8	1074.3	1077.2	1090.1	1090.1	1085.8	1074.3	1082.9
47.5°	1001.1	994.0	1001.1	1009.7	1009.7	1014.0	1027.0	1037.0	1029.8	1015.5	1019.8
50°	928.0	929.4	928.0	933.7	933.7	949.5	959.5	969.6	976.8	959.5	939.5
52.5°	856.3	854.8	856.3	860.6	866.3	873.5	890.7	900.7	912.2	902.2	870.6
55°	784.6	787.4	784.6	786.0	788.9	793.2	819.0	829.0	850.5	837.6	804.6
57.5°	712.8	708.5	712.8	715.7	717.1	721.4	743.0	761.6	774.5	776.0	735.8
60°	629.7	623.9	629.7	642.6	645.4	648.3	668.4	685.6	697.1	701.4	659.8
62.5°	556.5	546.5	556.5	565.1	570.8	578.0	592.4	618.2	628.2	629.7	570.8
65°	479.1	474.7	479.1	496.3	497.7	506.3	522.1	540.7	562.2	559.4	474.7
67.5°	408.8	408.8	408.8	420.2	428.9	433.2	453.2	461.8	489.1	492.0	395.9
70°	344.2	342.8	344.2	352.8	358.6	368.6	387.3	397.3	418.8	426.0	321.3
72.5°	282.6	281.1	282.6	289.7	295.5	304.1	319.8	331.3	350.0	358.6	249.6
75°	228.1	225.2	228.1	233.8	232.4	243.8	256.7	268.2	285.4	291.2	185.0
77.5°	175.0	175.0	175.0	180.7	180.7	192.2	197.9	212.3	222.3	230.9	136.3
80°	130.5	129.1	130.5	132.0	132.0	137.7	147.7	157.8	166.4	166.4	93.2
82.5°	91.8	88.9	91.8	91.8	91.8	94.7	100.4	103.3	109.0	113.3	58.8
85°	57.4	57.4	57.4	58.8	57.4	60.2	61.7	64.5	64.5	61.7	35.9
87.5°	37.3	35.9	37.3	35.9	35.9	34.4	34.4	34.4	33.0	31.6	20.1
90°	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4	39.4	25.1
92.5°	136.2	109.1	136.2	163.2	170.0	241.0	335.5	382.9	336.2	242.8	172.7
95°	474.6	392.7	474.6	556.5	577.0	757.7	998.6	1119.1	945.2	597.3	336.4
97.5°	1137.2	981.3	1137.2	1293.1	1332.1	1446.2	1598.6	1674.7	1384.7	804.5	369.5
100°	1638.5	1452.8	1638.5	1824.2	1870.6	1862.3	1851.1	1845.5	1523.7	880.0	397.2
102.5°	2131.5	1972.5	2131.5	2290.6	2330.3	2184.8	1990.8	1893.8	1567.4	914.6	424.9
105°	2760.2	2674.8	2760.2	2845.7	2867.1	2540.9	2105.9	1888.5	1572.4	940.2	466.0
107.5°	3172.1	3192.7	3172.1	3151.4	3146.3	2691.2	2084.5	1781.1	1502.4	944.9	526.9
110°	3329.1	3418.2	3329.1	3240.1	3217.8	2709.1	2030.8	1691.6	1440.3	937.8	560.9





TEST NUMBER: P935942

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3343.1	3479.9	3343.1	3206.4	3172.2	2651.5	1957.3	1610.2	1386.2	938.1	602.0
115°	3254.4	3444.1	3254.4	3064.8	3017.4	2515.8	1847.1	1512.7	1324.0	946.7	663.8
117.5°	3066.5	3276.9	3066.5	2856.1	2803.6	2350.9	1747.4	1445.7	1285.2	964.4	723.7
120°	2915.0	3119.4	2915.0	2710.6	2659.6	2246.0	1694.6	1418.8	1272.1	978.7	758.6
122.5°	2767.5	2969.1	2767.5	2565.9	2515.6	2143.1	1646.6	1398.2	1265.2	999.2	799.8
125°	2557.1	2742.7	2557.1	2371.4	2325.0	2008.6	1586.8	1375.9	1259.6	1027.0	852.5
127.5°	2367.8	2524.5	2367.8	2211.2	2172.0	1900.3	1538.1	1357.0	1256.2	1054.7	903.5
130°	2256.3	2401.0	2256.3	2111.6	2075.4	1833.6	1511.2	1350.0	1258.3	1075.0	937.5
132.5°	2155.1	2284.7	2155.1	2025.5	1993.1	1776.6	1487.9	1343.6	1259.6	1091.4	965.3
135°	2016.5	2128.2	2016.5	1904.7	1876.8	1695.5	1453.8	1332.9	1258.3	1109.3	997.5
137.5°	1905.3	1996.7	1905.3	1813.8	1790.9	1637.7	1433.3	1331.1	1266.1	1136.1	1038.6
140°	1828.9	1914.4	1828.9	1743.4	1722.1	1589.7	1413.2	1324.9	1267.4	1152.5	1066.3
142.5°	1765.7	1839.2	1765.7	1692.1	1673.7	1557.4	1402.4	1324.9	1272.0	1166.3	1086.9
145°	1670.9	1726.5	1670.9	1615.2	1601.3	1506.2	1379.3	1315.9	1272.0	1184.1	1118.3
147.5°	1598.1	1644.3	1598.1	1552.0	1540.4	1465.6	1365.8	1315.9	1280.7	1210.3	1157.6
150°	1552.3	1589.7	1552.3	1514.9	1505.5	1442.3	1358.1	1315.9	1285.3	1224.0	1178.1
152.5°	1513.1	1541.4	1513.1	1484.9	1477.8	1423.9	1351.9	1315.9	1288.3	1233.0	1191.6
155°	1468.0	1486.8	1468.0	1449.4	1444.7	1401.8	1344.5	1315.9	1294.9	1252.7	1221.1
157.5°	1432.6	1445.7	1432.6	1419.4	1416.1	1382.8	1338.2	1315.9	1301.4	1272.4	1250.6
160°	1411.2	1418.8	1411.2	1403.7	1401.8	1373.2	1335.0	1315.9	1304.3	1281.3	1264.0
162.5°	1397.3	1404.5	1397.3	1390.2	1388.4	1364.2	1332.0	1315.9	1307.6	1290.9	1278.3
165°	1377.2	1384.8	1377.2	1369.7	1367.8	1350.5	1327.5	1315.9	1312.1	1304.5	1298.9
167.5°	1362.9	1366.0	1362.9	1359.6	1358.8	1347.6	1332.5	1324.9	1321.7	1315.3	1310.6
170°	1358.8	1358.8	1358.8	1358.8	1358.8	1347.6	1332.5	1324.9	1324.7	1324.2	1323.9
172.5°	1348.2	1345.5	1348.2	1351.0	1351.7	1342.8	1330.8	1324.9	1324.9	1324.9	1324.9
175°	1341.8	1341.8	1341.8	1341.8	1341.8	1336.2	1328.6	1324.9	1326.7	1330.3	1332.9
177.5°	1336.1	1332.9	1336.1	1339.3	1340.1	1335.6	1329.6	1326.6	1328.1	1330.8	1332.9
180°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9



TEST NUMBER: P935942

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1537.6	1529.0	1529.0	1514.6	1508.9	1504.6	1497.4	1475.9	1470.1	1464.4	1473.0
5°	1550.5	1534.7	1523.2	1497.4	1475.9	1467.3	1440.0	1388.4	1354.0	1328.2	1313.8
7.5°	1553.3	1533.3	1511.7	1471.6	1419.9	1397.0	1313.8	1219.1	1193.3	1170.4	1156.0
10°	1550.5	1527.5	1497.4	1437.2	1315.2	1275.1	1191.9	1130.2	1114.4	1110.1	1114.4
12.5°	1540.4	1518.9	1477.3	1376.9	1206.2	1179.0	1130.2	1094.4	1091.5	1098.7	1137.4
15°	1523.2	1503.1	1454.4	1296.6	1146.0	1125.9	1091.5	1078.6	1094.4	1144.6	1260.7
17.5°	1506.0	1483.1	1422.8	1217.7	1100.1	1085.8	1061.4	1087.2	1176.1	1243.5	1282.3
20°	1483.1	1455.8	1387.0	1160.3	1067.1	1054.2	1042.7	1158.9	1226.3	1250.7	1272.2
22.5°	1455.8	1427.1	1338.2	1120.2	1032.7	1022.6	1029.8	1199.1	1226.3	1243.5	1262.2
25°	1419.9	1395.6	1280.8	1088.6	1005.4	994.0	1021.2	1194.8	1210.5	1214.8	1252.1
27.5°	1387.0	1355.4	1220.6	1059.9	972.4	968.1	1028.4	1176.1	1187.6	1191.9	1232.1
30°	1346.8	1299.5	1153.2	1029.8	938.0	936.6	1029.8	1153.2	1150.3	1161.8	1201.9
32.5°	1305.2	1216.3	1077.2	992.5	905.0	903.6	1019.8	1118.7	1115.9	1131.7	1161.8
35°	1266.5	1151.7	973.9	949.5	863.4	864.9	995.4	1078.6	1080.0	1094.4	1113.0
37.5°	1226.3	1095.8	860.6	902.2	823.3	823.3	962.4	1041.3	1038.4	1042.7	1068.5
40°	1179.0	1008.3	760.2	840.5	786.0	781.7	922.2	1001.1	991.1	989.7	1025.5
42.5°	1128.8	912.2	685.6	758.7	743.0	737.2	873.5	952.4	933.7	938.0	983.9
45°	1074.3	886.4	628.2	641.1	698.5	694.2	820.4	896.4	883.5	895.0	942.3
47.5°	1019.8	834.8	609.6	532.1	651.2	649.7	761.6	841.9	834.8	846.2	896.4
50°	945.2	777.4	608.1	456.1	598.1	603.8	691.3	788.9	788.9	798.9	852.0
52.5°	849.1	707.1	552.2	413.1	536.4	553.6	629.7	743.0	745.8	755.9	803.2
55°	761.6	634.0	512.0	380.1	463.3	500.6	569.4	695.6	701.4	711.4	754.4
57.5°	681.3	527.8	503.4	341.4	395.9	431.7	516.3	649.7	652.6	661.2	702.8
60°	595.2	381.5	461.8	299.8	337.1	364.3	467.6	595.2	605.3	611.0	646.9
62.5°	497.7	276.8	418.8	271.1	308.4	314.1	427.4	543.6	556.5	560.8	582.3
65°	354.3	232.4	355.7	246.7	278.3	279.7	384.4	490.5	502.0	509.2	524.9
67.5°	239.5	189.3	271.1	223.7	255.3	256.7	342.8	428.9	444.6	450.4	460.4
70°	166.4	126.2	200.8	199.4	229.5	232.4	298.3	372.9	387.3	391.6	397.3
72.5°	121.9	101.8	166.4	179.3	202.2	205.1	252.4	309.8	324.1	328.5	331.3
75°	93.2	107.6	134.8	156.3	172.1	173.5	206.5	252.4	262.5	265.3	266.8
77.5°	74.6	100.4	99.0	126.2	140.6	137.7	162.1	195.1	203.7	203.7	203.7
80°	55.9	78.9	74.6	90.4	103.3	100.4	116.2	139.1	142.0	144.9	143.4
82.5°	41.6	50.2	50.2	57.4	68.8	66.0	77.5	90.4	90.4	90.4	93.2
85°	25.8	28.7	22.9	30.1	38.7	37.3	43.0	48.8	50.2	50.2	47.3
87.5°	15.8	12.9	7.2	11.5	17.2	17.2	20.1	21.5	20.1	20.1	20.1
90°	23.2	16.2	9.0	16.2	23.2	25.1	39.4	58.4	68.0	60.4	45.3
92.5°	157.5	96.6	35.8	96.6	157.5	172.7	242.8	336.2	382.9	335.5	241.0
95°	308.6	197.2	85.9	197.2	308.6	336.4	597.3	945.2	1119.1	998.6	757.7
97.5°	344.9	246.7	148.5	246.7	344.9	369.5	804.5	1384.7	1674.7	1598.6	1446.2
100°	374.9	285.9	196.8	285.9	374.9	397.2	880.0	1523.7	1845.5	1851.1	1862.3
102.5°	404.2	321.1	238.0	321.1	404.2	424.9	914.6	1567.4	1893.8	1990.8	2184.8
105°	448.5	378.1	307.7	378.1	448.5	466.0	940.2	1572.4	1888.5	2105.9	2540.9
107.5°	510.5	444.9	379.3	444.9	510.5	526.9	944.9	1502.4	1781.1	2084.5	2691.2
110°	546.1	486.9	427.6	486.9	546.1	560.9	937.8	1440.3	1691.6	2030.8	2709.1



TEST NUMBER: P935942

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	587.9	531.5	475.0	531.5	587.9	602.0	938.1	1386.2	1610.2	1957.3	2651.5
115°	650.8	598.7	546.6	598.7	650.8	663.8	946.7	1324.0	1512.7	1847.1	2515.8
117.5°	711.9	664.6	617.2	664.6	711.9	723.7	964.4	1285.2	1445.7	1747.4	2350.9
120°	747.6	703.0	658.4	703.0	747.6	758.6	978.7	1272.1	1418.8	1694.6	2246.0
122.5°	788.6	743.6	698.7	743.6	788.6	799.8	999.2	1265.2	1398.2	1646.6	2143.1
125°	842.3	801.3	760.4	801.3	842.3	852.5	1027.0	1259.6	1375.9	1586.8	2008.6
127.5°	893.2	851.8	810.5	851.8	893.2	903.5	1054.7	1256.2	1357.0	1538.1	1900.3
130°	926.5	881.9	837.3	881.9	926.5	937.5	1075.0	1258.3	1350.0	1511.2	1833.6
132.5°	954.2	909.6	865.1	909.6	954.2	965.3	1091.4	1259.6	1343.6	1487.9	1776.6
135°	987.4	946.7	906.2	946.7	987.4	997.5	1109.3	1258.3	1332.9	1453.8	1695.5
137.5°	1028.6	988.4	948.3	988.4	1028.6	1038.6	1136.1	1266.1	1331.1	1433.3	1637.7
140°	1057.1	1020.2	983.2	1020.2	1057.1	1066.3	1152.5	1267.4	1324.9	1413.2	1589.7
142.5°	1078.4	1044.2	1009.9	1044.2	1078.4	1086.9	1166.3	1272.0	1324.9	1402.4	1557.4
145°	1110.8	1081.0	1051.1	1081.0	1110.8	1118.3	1184.1	1272.0	1315.9	1379.3	1506.2
147.5°	1150.3	1121.3	1092.3	1121.3	1150.3	1157.6	1210.3	1280.7	1315.9	1365.8	1465.6
150°	1171.5	1145.3	1119.1	1145.3	1171.5	1178.1	1224.0	1285.3	1315.9	1358.1	1442.3
152.5°	1186.6	1166.7	1146.9	1166.7	1186.6	1191.6	1233.0	1288.3	1315.9	1351.9	1423.9
155°	1217.4	1202.7	1188.0	1202.7	1217.4	1221.1	1252.7	1294.9	1315.9	1344.5	1401.8
157.5°	1247.1	1232.7	1218.4	1232.7	1247.1	1250.6	1272.4	1301.4	1315.9	1338.2	1382.8
160°	1261.2	1250.1	1239.0	1250.1	1261.2	1264.0	1281.3	1304.3	1315.9	1335.0	1373.2
162.5°	1276.2	1267.9	1259.6	1267.9	1276.2	1278.3	1290.9	1307.6	1315.9	1332.0	1364.2
165°	1297.0	1289.5	1282.0	1289.5	1297.0	1298.9	1304.5	1312.1	1315.9	1327.5	1350.5
167.5°	1309.7	1306.1	1302.5	1306.1	1309.7	1310.6	1315.3	1321.7	1324.9	1332.5	1347.6
170°	1323.1	1319.5	1315.9	1319.5	1323.1	1323.9	1324.2	1324.7	1324.9	1332.5	1347.6
172.5°	1324.7	1323.8	1323.1	1323.8	1324.7	1324.9	1324.9	1324.9	1324.9	1330.8	1342.8
175°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1330.3	1326.7	1324.9	1328.6	1336.2
177.5°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1330.8	1328.1	1326.6	1329.6	1335.6
180°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9



TEST NUMBER: P935942

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1463.0	1458.7	1464.4	1448.6	1464.4	1458.7	1463.0	1473.0	1464.4	1470.1	1475.9
5°	1283.7	1276.5	1253.6	1234.9	1253.6	1276.5	1283.7	1313.8	1328.2	1354.0	1388.4
7.5°	1147.4	1141.7	1136.0	1124.5	1136.0	1141.7	1147.4	1156.0	1170.4	1193.3	1219.1
10°	1117.3	1118.7	1127.4	1125.9	1127.4	1118.7	1117.3	1114.4	1110.1	1114.4	1130.2
12.5°	1194.8	1207.7	1255.0	1252.1	1255.0	1207.7	1194.8	1137.4	1098.7	1091.5	1094.4
15°	1283.7	1288.0	1298.0	1299.5	1298.0	1288.0	1283.7	1260.7	1144.6	1094.4	1078.6
17.5°	1292.3	1293.7	1300.9	1300.9	1300.9	1293.7	1292.3	1282.3	1243.5	1176.1	1087.2
20°	1285.1	1288.0	1302.3	1305.2	1302.3	1288.0	1285.1	1272.2	1250.7	1226.3	1158.9
22.5°	1282.3	1288.0	1299.5	1298.0	1299.5	1288.0	1282.3	1262.2	1243.5	1226.3	1199.1
25°	1267.9	1267.9	1269.3	1270.8	1269.3	1267.9	1267.9	1252.1	1214.8	1210.5	1194.8
27.5°	1237.8	1240.7	1249.3	1247.8	1249.3	1240.7	1237.8	1232.1	1191.9	1187.6	1176.1
30°	1210.5	1207.7	1200.5	1194.8	1200.5	1207.7	1210.5	1201.9	1161.8	1150.3	1153.2
32.5°	1164.6	1157.5	1150.3	1146.0	1150.3	1157.5	1164.6	1161.8	1131.7	1115.9	1118.7
35°	1110.1	1111.6	1110.1	1105.8	1110.1	1111.6	1110.1	1113.0	1094.4	1080.0	1078.6
37.5°	1071.4	1074.3	1072.8	1067.1	1072.8	1074.3	1071.4	1068.5	1042.7	1038.4	1041.3
40°	1031.3	1032.7	1031.3	1027.0	1031.3	1032.7	1031.3	1025.5	989.7	991.1	1001.1
42.5°	992.5	991.1	986.8	983.9	986.8	991.1	992.5	983.9	938.0	933.7	952.4
45°	948.1	949.5	940.9	936.6	940.9	949.5	948.1	942.3	895.0	883.5	896.4
47.5°	903.6	903.6	896.4	892.1	896.4	903.6	903.6	896.4	846.2	834.8	841.9
50°	856.3	854.8	844.8	843.4	844.8	854.8	856.3	852.0	798.9	788.9	788.9
52.5°	801.8	801.8	803.2	806.1	803.2	801.8	801.8	803.2	755.9	745.8	743.0
55°	754.4	755.9	765.9	768.8	765.9	755.9	754.4	754.4	711.4	701.4	695.6
57.5°	705.7	705.7	712.8	712.8	712.8	705.7	705.7	702.8	661.2	652.6	649.7
60°	649.7	652.6	658.3	656.9	658.3	652.6	649.7	646.9	611.0	605.3	595.2
62.5°	590.9	593.8	595.2	592.4	595.2	593.8	590.9	582.3	560.8	556.5	543.6
65°	529.3	532.1	533.6	530.7	533.6	532.1	529.3	524.9	509.2	502.0	490.5
67.5°	466.1	464.7	463.3	469.0	463.3	464.7	466.1	460.4	450.4	444.6	428.9
70°	401.6	401.6	400.2	403.0	400.2	401.6	401.6	397.3	391.6	387.3	372.9
72.5°	332.8	331.3	337.1	332.8	337.1	331.3	332.8	331.3	328.5	324.1	309.8
75°	265.3	268.2	265.3	269.6	265.3	268.2	265.3	266.8	265.3	262.5	252.4
77.5°	202.2	205.1	202.2	202.2	202.2	205.1	202.2	203.7	203.7	203.7	195.1
80°	143.4	142.0	142.0	140.6	142.0	142.0	143.4	143.4	144.9	142.0	139.1
82.5°	91.8	90.4	90.4	93.2	90.4	90.4	91.8	93.2	90.4	90.4	90.4
85°	50.2	51.6	48.8	48.8	48.8	51.6	50.2	47.3	50.2	50.2	48.8
87.5°	18.6	17.2	17.2	17.2	17.2	17.2	18.6	20.1	20.1	20.1	21.5
90°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4
92.5°	170.0	163.2	136.2	109.1	136.2	163.2	170.0	241.0	335.5	382.9	336.2
95°	577.0	556.5	474.6	392.7	474.6	556.5	577.0	757.7	998.6	1119.1	945.2
97.5°	1332.1	1293.1	1137.2	981.3	1137.2	1293.1	1332.1	1446.2	1598.6	1674.7	1384.7
100°	1870.6	1824.2	1638.5	1452.8	1638.5	1824.2	1870.6	1862.3	1851.1	1845.5	1523.7
102.5°	2330.3	2290.6	2131.5	1972.5	2131.5	2290.6	2330.3	2184.8	1990.8	1893.8	1567.4
105°	2867.1	2845.7	2760.2	2674.8	2760.2	2845.7	2867.1	2540.9	2105.9	1888.5	1572.4
107.5°	3146.3	3151.4	3172.1	3192.7	3172.1	3151.4	3146.3	2691.2	2084.5	1781.1	1502.4
110°	3217.8	3240.1	3329.1	3418.2	3329.1	3240.1	3217.8	2709.1	2030.8	1691.6	1440.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3172.2	3206.4	3343.1	3479.9	3343.1	3206.4	3172.2	2651.5	1957.3	1610.2	1386.2
115°	3017.4	3064.8	3254.4	3444.1	3254.4	3064.8	3017.4	2515.8	1847.1	1512.7	1324.0
117.5°	2803.6	2856.1	3066.5	3276.9	3066.5	2856.1	2803.6	2350.9	1747.4	1445.7	1285.2
120°	2659.6	2710.6	2915.0	3119.4	2915.0	2710.6	2659.6	2246.0	1694.6	1418.8	1272.1
122.5°	2515.6	2565.9	2767.5	2969.1	2767.5	2565.9	2515.6	2143.1	1646.6	1398.2	1265.2
125°	2325.0	2371.4	2557.1	2742.7	2557.1	2371.4	2325.0	2008.6	1586.8	1375.9	1259.6
127.5°	2172.0	2211.2	2367.8	2524.5	2367.8	2211.2	2172.0	1900.3	1538.1	1357.0	1256.2
130°	2075.4	2111.6	2256.3	2401.0	2256.3	2111.6	2075.4	1833.6	1511.2	1350.0	1258.3
132.5°	1993.1	2025.5	2155.1	2284.7	2155.1	2025.5	1993.1	1776.6	1487.9	1343.6	1259.6
135°	1876.8	1904.7	2016.5	2128.2	2016.5	1904.7	1876.8	1695.5	1453.8	1332.9	1258.3
137.5°	1790.9	1813.8	1905.3	1996.7	1905.3	1813.8	1790.9	1637.7	1433.3	1331.1	1266.1
140°	1722.1	1743.4	1828.9	1914.4	1828.9	1743.4	1722.1	1589.7	1413.2	1324.9	1267.4
142.5°	1673.7	1692.1	1765.7	1839.2	1765.7	1692.1	1673.7	1557.4	1402.4	1324.9	1272.0
145°	1601.3	1615.2	1670.9	1726.5	1670.9	1615.2	1601.3	1506.2	1379.3	1315.9	1272.0
147.5°	1540.4	1552.0	1598.1	1644.3	1598.1	1552.0	1540.4	1465.6	1365.8	1315.9	1280.7
150°	1505.5	1514.9	1552.3	1589.7	1552.3	1514.9	1505.5	1442.3	1358.1	1315.9	1285.3
152.5°	1477.8	1484.9	1513.1	1541.4	1513.1	1484.9	1477.8	1423.9	1351.9	1315.9	1288.3
155°	1444.7	1449.4	1468.0	1486.8	1468.0	1449.4	1444.7	1401.8	1344.5	1315.9	1294.9
157.5°	1416.1	1419.4	1432.6	1445.7	1432.6	1419.4	1416.1	1382.8	1338.2	1315.9	1301.4
160°	1401.8	1403.7	1411.2	1418.8	1411.2	1403.7	1401.8	1373.2	1335.0	1315.9	1304.3
162.5°	1388.4	1390.2	1397.3	1404.5	1397.3	1390.2	1388.4	1364.2	1332.0	1315.9	1307.6
165°	1367.8	1369.7	1377.2	1384.8	1377.2	1369.7	1367.8	1350.5	1327.5	1315.9	1312.1
167.5°	1358.8	1359.6	1362.9	1366.0	1362.9	1359.6	1358.8	1347.6	1332.5	1324.9	1321.7
170°	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1347.6	1332.5	1324.9	1324.7
172.5°	1351.7	1351.0	1348.2	1345.5	1348.2	1351.0	1351.7	1342.8	1330.8	1324.9	1324.9
175°	1341.8	1341.8	1341.8	1341.8	1341.8	1341.8	1341.8	1336.2	1328.6	1324.9	1326.7
177.5°	1340.1	1339.3	1336.1	1332.9	1336.1	1339.3	1340.1	1335.6	1329.6	1326.6	1328.1
180°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1497.4	1504.6	1508.9	1514.6	1529.0
5°	1440.0	1467.3	1475.9	1497.4	1523.2
7.5°	1313.8	1397.0	1419.9	1471.6	1511.7
10°	1191.9	1275.1	1315.2	1437.2	1497.4
12.5°	1130.2	1179.0	1206.2	1376.9	1477.3
15°	1091.5	1125.9	1146.0	1296.6	1454.4
17.5°	1061.4	1085.8	1100.1	1217.7	1422.8
20°	1042.7	1054.2	1067.1	1160.3	1387.0
22.5°	1029.8	1022.6	1032.7	1120.2	1338.2
25°	1021.2	994.0	1005.4	1088.6	1280.8
27.5°	1028.4	968.1	972.4	1059.9	1220.6
30°	1029.8	936.6	938.0	1029.8	1153.2
32.5°	1019.8	903.6	905.0	992.5	1077.2
35°	995.4	864.9	863.4	949.5	973.9
37.5°	962.4	823.3	823.3	902.2	860.6
40°	922.2	781.7	786.0	840.5	760.2
42.5°	873.5	737.2	743.0	758.7	685.6
45°	820.4	694.2	698.5	641.1	628.2
47.5°	761.6	649.7	651.2	532.1	609.6
50°	691.3	603.8	598.1	456.1	608.1
52.5°	629.7	553.6	536.4	413.1	552.2
55°	569.4	500.6	463.3	380.1	512.0
57.5°	516.3	431.7	395.9	341.4	503.4
60°	467.6	364.3	337.1	299.8	461.8
62.5°	427.4	314.1	308.4	271.1	418.8
65°	384.4	279.7	278.3	246.7	355.7
67.5°	342.8	256.7	255.3	223.7	271.1
70°	298.3	232.4	229.5	199.4	200.8
72.5°	252.4	205.1	202.2	179.3	166.4
75°	206.5	173.5	172.1	156.3	134.8
77.5°	162.1	137.7	140.6	126.2	99.0
80°	116.2	100.4	103.3	90.4	74.6
82.5°	77.5	66.0	68.8	57.4	50.2
85°	43.0	37.3	38.7	30.1	22.9
87.5°	20.1	17.2	17.2	11.5	7.2
90°	39.4	25.1	23.2	16.2	9.0
92.5°	242.8	172.7	157.5	96.6	35.8
95°	597.3	336.4	308.6	197.2	85.9
97.5°	804.5	369.5	344.9	246.7	148.5
100°	880.0	397.2	374.9	285.9	196.8
102.5°	914.6	424.9	404.2	321.1	238.0
105°	940.2	466.0	448.5	378.1	307.7
107.5°	944.9	526.9	510.5	444.9	379.3
110°	937.8	560.9	546.1	486.9	427.6



TEST NUMBER: P935942

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	938.1	602.0	587.9	531.5	475.0
115°	946.7	663.8	650.8	598.7	546.6
117.5°	964.4	723.7	711.9	664.6	617.2
120°	978.7	758.6	747.6	703.0	658.4
122.5°	999.2	799.8	788.6	743.6	698.7
125°	1027.0	852.5	842.3	801.3	760.4
127.5°	1054.7	903.5	893.2	851.8	810.5
130°	1075.0	937.5	926.5	881.9	837.3
132.5°	1091.4	965.3	954.2	909.6	865.1
135°	1109.3	997.5	987.4	946.7	906.2
137.5°	1136.1	1038.6	1028.6	988.4	948.3
140°	1152.5	1066.3	1057.1	1020.2	983.2
142.5°	1166.3	1086.9	1078.4	1044.2	1009.9
145°	1184.1	1118.3	1110.8	1081.0	1051.1
147.5°	1210.3	1157.6	1150.3	1121.3	1092.3
150°	1224.0	1178.1	1171.5	1145.3	1119.1
152.5°	1233.0	1191.6	1186.6	1166.7	1146.9
155°	1252.7	1221.1	1217.4	1202.7	1188.0
157.5°	1272.4	1250.6	1247.1	1232.7	1218.4
160°	1281.3	1264.0	1261.2	1250.1	1239.0
162.5°	1290.9	1278.3	1276.2	1267.9	1259.6
165°	1304.5	1298.9	1297.0	1289.5	1282.0
167.5°	1315.3	1310.6	1309.7	1306.1	1302.5
170°	1324.2	1323.9	1323.1	1319.5	1315.9
172.5°	1324.9	1324.9	1324.7	1323.8	1323.1
175°	1330.3	1332.9	1332.9	1332.9	1332.9
177.5°	1330.8	1332.9	1332.9	1332.9	1332.9
180°	1332.9	1332.9	1332.9	1332.9	1332.9



TEST NUMBER: P935942  
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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	10.54	11.26	11.64	12.35	13.87	13.36	14.08	14.47	15.18	16.69
	3H	11.01	11.65	12.12	12.75	14.29	14.70	15.34	15.81	16.44	17.98
	4H	11.19	11.80	12.31	12.91	14.44	15.13	15.74	16.25	16.85	18.39
	6H	11.30	11.86	12.43	12.97	14.52	15.41	15.97	16.54	17.08	18.63
	8H	11.30	11.83	12.43	12.96	14.50	15.48	16.01	16.61	17.14	18.68
	12H	11.26	11.77	12.40	12.89	14.46	15.51	16.02	16.65	17.14	18.70
4H	2H	11.55	12.16	12.68	13.27	14.81	13.76	14.36	14.88	15.47	17.01
	3H	12.57	13.07	13.70	14.21	15.76	15.25	15.75	16.38	16.89	18.44
	4H	12.84	13.30	13.97	14.43	16.00	15.77	16.23	16.90	17.36	18.93
	6H	12.95	13.35	14.10	14.50	16.06	16.12	16.52	17.27	17.67	19.23
	8H	12.95	13.33	14.10	14.47	16.04	16.22	16.60	17.37	17.73	19.31
	12H	12.91	13.25	14.08	14.40	15.99	16.27	16.61	17.43	17.76	19.34
8H	4H	13.28	13.65	14.42	14.79	16.37	15.88	16.25	17.02	17.39	18.97
	6H	13.53	13.84	14.70	15.02	16.59	16.31	16.61	17.47	17.80	19.37
	8H	13.57	13.84	14.74	15.00	16.60	16.46	16.73	17.63	17.89	19.48
	12H	13.55	13.79	14.72	14.94	16.57	16.55	16.78	17.72	17.94	19.57
12H	4H	13.28	13.61	14.44	14.76	16.35	15.84	16.17	17.00	17.32	18.91
	6H	13.59	13.86	14.76	15.02	16.61	16.30	16.57	17.47	17.73	19.33
	8H	13.65	13.89	14.83	15.04	16.67	16.46	16.69	17.63	17.85	19.48