

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: P935964

Luminaire Tested: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

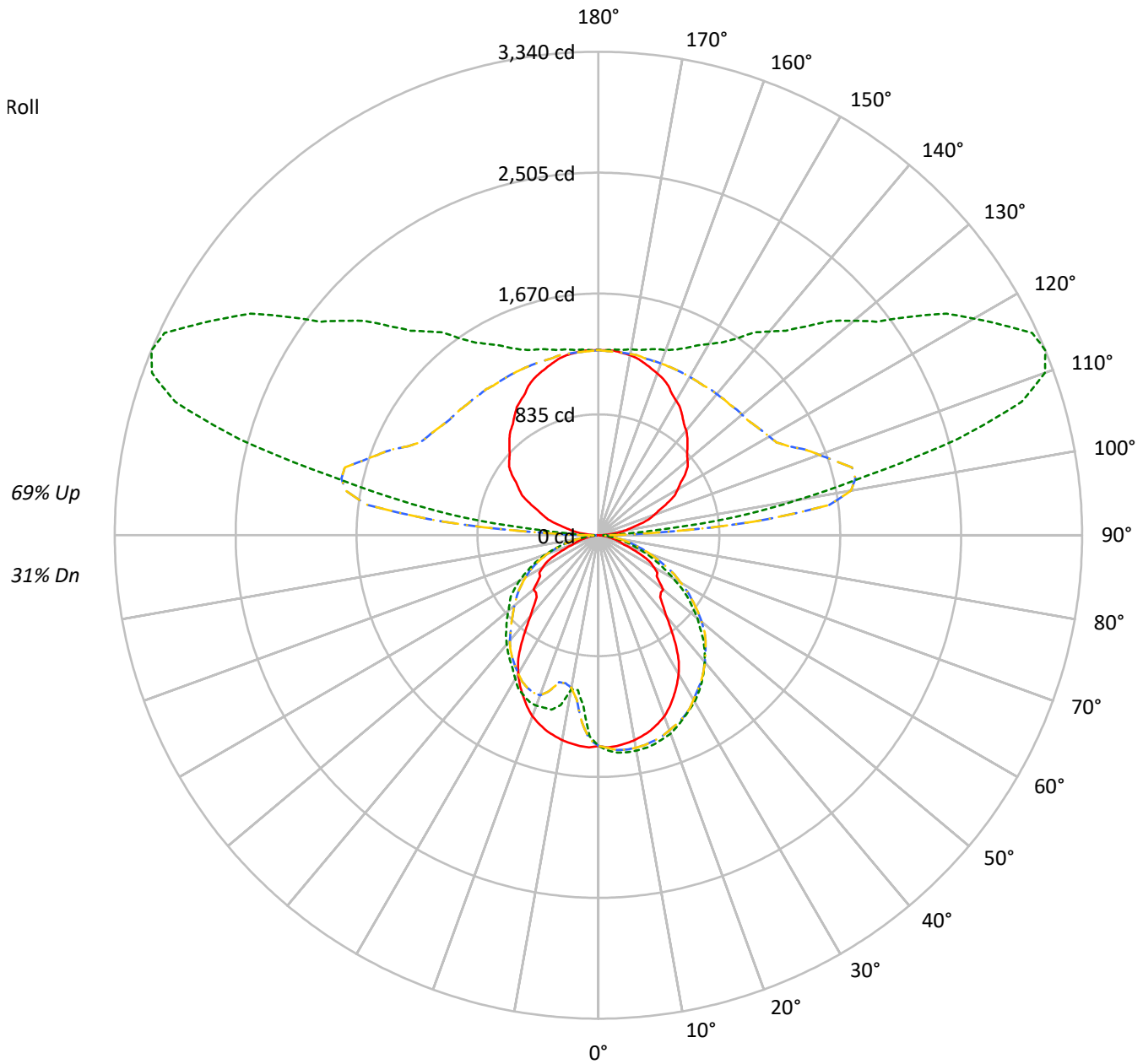
Test Method: LM-79-2019  
Report Number: P935964  
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12070.4 lumens  
Efficiency: N/A  
Efficacy: 126.5 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	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°	9001	9001	9001	9001
5°	9065	9086	9065	7144
10°	9001	8950	9001	6399
15°	8899	8756	8899	7311
20°	8710	8527	8710	7327
25°	8326	8192	8326	7171
30°	7830	7914	7830	6831
35°	6977	7561	6977	6456
40°	5811	7148	5811	6173
45°	5188	6662	5188	5848
50°	5508	6084	5508	5521
55°	5177	5461	5177	5332
60°	5330	4638	5330	4884
65°	4825	3834	4825	4286
70°	3333	3056	3333	3593
75°	2912	2259	2912	2705
80°	2330	1493	2330	1626
85°	1312	791	1312	672

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7957 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	1.1
10°-20°	372.9	3.1
20°-30°	576.5	4.8
30°-40°	688.2	5.7
40°-50°	692.2	5.7
50°-60°	602.3	5.0
60°-70°	427.0	3.5
70°-80°	225.9	1.9
80°-90°	61.2	0.5
90°-100°	623.6	5.2
100°-110°	1639.4	13.6
110°-120°	1699.9	14.1
120°-130°	1363.5	11.3
130°-140°	1069.9	8.9
140°-150°	821.2	6.8
150°-160°	591.4	4.9
160°-170°	361.8	3.0
170°-180°	122.2	1.0
0°-30°	1080.7	9.0
0°-40°	1768.9	14.7
0°-60°	3063.3	25.4
0°-90°	3777.5	31.3
90°-120°	3962.9	32.8
90°-150°	7217.5	59.8
90°-180°	8293.0	68.7
0°-180°	12070.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1455	1455	1455	1455	1455	
5°	1462	1507	1462	1185	1462	139
15°	1396	1494	1396	1247	1396	393
25°	1229	1393	1229	1220	1229	564
35°	935	1243	935	1061	935	578
45°	603	1024	603	899	603	483
55°	491	756	491	738	491	452
65°	341	456	341	509	341	326
75°	129	216	129	259	129	136
85°	22	55	22	47	22	30
90°	9	33	9	33	9	8
95°	82	377	82	377	82	91
105°	295	2567	295	2567	295	313
115°	525	3305	525	3305	525	518
125°	730	2632	730	2632	730	648
135°	870	2042	870	2042	870	673
145°	1009	1657	1009	1657	1009	632
155°	1140	1427	1140	1427	1140	524
165°	1230	1329	1230	1329	1230	347
175°	1279	1288	1279	1288	1279	121
180°	1279	1279	1279	1279	1279	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1467.4	1467.4	1475.7	1478.4	1478.4	1474.3	1470.1	1474.3	1486.7	1490.8	1489.4
5°	1461.9	1472.9	1488.0	1490.8	1493.5	1492.2	1489.4	1492.2	1505.9	1508.7	1510.1
7.5°	1450.9	1471.5	1490.8	1494.9	1499.1	1494.9	1493.5	1496.3	1510.1	1512.8	1512.8
10°	1437.1	1466.0	1488.0	1490.8	1494.9	1490.8	1490.8	1496.3	1510.1	1512.8	1514.2
12.5°	1417.8	1457.8	1478.4	1481.2	1486.7	1485.3	1483.9	1489.4	1503.2	1505.9	1505.9
15°	1395.8	1442.6	1461.9	1464.6	1474.3	1471.5	1471.5	1477.0	1492.2	1496.3	1494.9
17.5°	1365.5	1423.3	1445.4	1449.5	1456.4	1455.0	1456.4	1461.9	1475.7	1478.4	1479.8
20°	1331.1	1397.2	1423.3	1427.5	1434.4	1434.4	1434.4	1441.2	1455.0	1460.5	1460.5
22.5°	1284.3	1369.7	1397.2	1399.9	1408.2	1408.2	1411.0	1420.6	1433.0	1434.4	1434.4
25°	1229.3	1339.4	1362.8	1371.0	1379.3	1383.4	1387.6	1393.1	1397.2	1395.8	1397.2
27.5°	1171.4	1300.8	1331.1	1336.6	1347.6	1351.8	1357.3	1358.6	1360.0	1364.2	1361.4
30°	1106.7	1247.1	1292.6	1298.1	1316.0	1318.7	1313.2	1316.0	1322.9	1325.6	1328.4
32.5°	1033.8	1167.3	1252.7	1265.0	1281.6	1273.3	1271.9	1276.1	1287.1	1287.1	1289.8
35°	934.7	1105.4	1215.5	1226.5	1238.9	1229.3	1234.8	1236.1	1243.0	1247.1	1245.8
37.5°	825.9	1051.7	1176.9	1185.2	1194.8	1182.5	1190.7	1194.8	1200.3	1197.6	1197.6
40°	729.6	967.7	1131.5	1137.0	1145.3	1135.6	1143.9	1146.7	1149.4	1146.7	1145.3
42.5°	658.0	875.5	1083.3	1090.2	1084.7	1091.6	1094.4	1099.9	1095.7	1090.2	1090.2
45°	602.9	850.7	1031.0	1039.3	1031.0	1042.0	1046.2	1046.2	1033.8	1031.0	1029.7
47.5°	585.0	801.1	978.7	978.7	974.6	988.4	995.2	985.6	973.2	969.1	969.1
50°	583.7	746.1	907.1	901.6	920.9	937.4	930.5	920.9	911.3	896.1	896.1
52.5°	530.0	678.6	814.9	835.6	865.8	875.5	864.5	854.8	838.3	831.4	825.9
55°	491.4	608.4	730.9	772.2	803.9	816.3	795.6	786.0	761.2	757.1	754.3
57.5°	483.2	506.6	653.9	706.2	744.7	743.3	730.9	713.0	692.4	688.3	686.9
60°	443.2	366.2	571.3	633.2	673.1	669.0	658.0	641.5	622.2	619.4	616.7
62.5°	402.0	265.7	477.7	547.9	604.3	602.9	593.3	568.5	554.7	547.9	542.4
65°	341.4	223.0	340.0	455.6	536.9	539.6	519.0	501.1	485.9	477.7	476.3
67.5°	260.2	181.7	229.9	379.9	472.2	469.4	443.2	435.0	415.7	411.6	403.3
70°	192.7	121.1	159.7	308.3	408.8	402.0	381.3	371.7	353.8	344.1	338.6
72.5°	159.7	97.7	117.0	239.5	344.1	335.9	318.0	307.0	291.8	283.6	278.1
75°	129.4	103.2	89.5	177.6	279.4	273.9	257.4	246.4	234.0	223.0	224.4
77.5°	95.0	96.4	71.6	130.8	221.6	213.4	203.7	190.0	184.5	173.4	173.4
80°	71.6	75.7	53.7	89.5	159.7	159.7	151.4	141.8	132.1	126.6	126.6
82.5°	48.2	48.2	39.9	56.4	108.7	104.6	99.1	96.4	90.9	88.1	88.1
85°	22.0	27.5	24.8	34.4	59.2	61.9	61.9	59.2	57.8	55.1	56.4
87.5°	6.9	12.4	15.1	19.3	30.3	31.7	33.0	33.0	33.0	34.4	34.4
90°	8.6	15.5	22.3	24.0	37.8	56.1	65.2	58.0	43.5	32.7	32.7
92.5°	34.3	92.7	151.1	165.7	233.0	322.7	367.4	322.0	231.3	163.2	156.7
95°	82.4	189.2	296.1	322.8	573.3	907.1	1074.1	958.4	727.2	553.7	534.1
97.5°	142.5	236.8	331.0	354.6	772.1	1328.9	1607.3	1534.2	1388.0	1278.4	1241.0
100°	188.9	274.4	359.8	381.2	844.6	1462.3	1771.2	1776.6	1787.3	1795.3	1750.8
102.5°	228.4	308.2	387.9	407.8	877.8	1504.3	1817.6	1910.6	2096.8	2236.5	2198.3
105°	295.3	362.9	430.4	447.3	902.4	1509.1	1812.4	2021.1	2438.6	2751.7	2731.2
107.5°	364.0	427.0	490.0	505.6	906.9	1441.9	1709.4	2000.6	2582.9	3019.6	3024.5
110°	410.4	467.3	524.1	538.3	900.1	1382.3	1623.5	1949.0	2600.0	3088.2	3109.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	455.9	510.1	564.2	577.8	900.4	1330.4	1545.4	1878.5	2544.8	3044.5	3077.3
115°	524.6	574.6	624.6	637.1	908.6	1270.7	1451.8	1772.7	2414.5	2895.9	2941.4
117.5°	592.4	637.8	683.2	694.6	925.6	1233.5	1387.5	1677.1	2256.2	2690.7	2741.2
120°	631.9	674.7	717.5	728.1	939.3	1220.9	1361.7	1626.3	2155.6	2552.5	2601.5
122.5°	670.6	713.7	756.8	767.6	959.0	1214.3	1341.9	1580.3	2056.8	2414.3	2462.6
125°	729.8	769.0	808.4	818.2	985.6	1208.9	1320.5	1522.9	1927.7	2231.4	2275.9
127.5°	777.8	817.5	857.2	867.1	1012.2	1205.7	1302.4	1476.2	1823.8	2084.5	2122.2
130°	803.6	846.4	889.2	899.8	1031.8	1207.7	1295.6	1450.3	1759.8	1991.9	2026.5
132.5°	830.2	873.0	915.8	926.4	1047.5	1208.9	1289.5	1428.0	1705.1	1912.8	1944.0
135°	869.7	908.6	947.6	957.3	1064.6	1207.7	1279.3	1395.3	1627.3	1801.3	1828.0
137.5°	910.1	948.6	987.2	996.8	1090.4	1215.1	1277.5	1375.6	1571.7	1718.8	1740.8
140°	943.6	979.1	1014.5	1023.4	1106.1	1216.4	1271.6	1356.3	1525.7	1652.8	1673.2
142.5°	969.3	1002.1	1035.0	1043.1	1119.3	1220.8	1271.6	1346.0	1494.7	1606.3	1624.0
145°	1008.8	1037.5	1066.1	1073.2	1136.5	1220.8	1262.9	1323.8	1445.6	1536.9	1550.2
147.5°	1048.3	1076.2	1104.0	1111.0	1161.6	1229.2	1262.9	1310.8	1406.6	1478.4	1489.5
150°	1074.1	1099.2	1124.4	1130.7	1174.7	1233.6	1262.9	1303.4	1384.3	1444.9	1453.9
152.5°	1100.7	1119.8	1138.9	1143.6	1183.4	1236.4	1262.9	1297.4	1366.5	1418.3	1425.1
155°	1140.1	1154.3	1168.4	1171.9	1202.3	1242.7	1262.9	1290.4	1345.3	1386.5	1391.0
157.5°	1169.3	1183.1	1196.9	1200.3	1221.2	1249.0	1262.9	1284.3	1327.1	1359.1	1362.2
160°	1189.1	1199.8	1210.4	1213.1	1229.7	1251.8	1262.9	1281.3	1317.9	1345.3	1347.2
162.5°	1208.9	1216.9	1224.8	1226.9	1238.9	1254.9	1262.9	1278.3	1309.3	1332.5	1334.2
165°	1230.4	1237.6	1244.8	1246.6	1252.0	1259.3	1262.9	1274.0	1296.2	1312.8	1314.6
167.5°	1250.1	1253.5	1257.0	1257.8	1262.4	1268.5	1271.6	1278.8	1293.3	1304.1	1304.9
170°	1262.9	1266.3	1269.8	1270.6	1270.9	1271.4	1271.6	1278.8	1293.3	1304.1	1304.1
172.5°	1269.8	1270.5	1271.4	1271.6	1271.6	1271.6	1271.6	1277.2	1288.7	1297.3	1296.6
175°	1279.3	1279.3	1279.3	1279.3	1276.7	1273.3	1271.6	1275.1	1282.4	1287.8	1287.8
177.5°	1279.3	1279.3	1279.3	1279.3	1277.2	1274.6	1273.2	1276.1	1281.8	1286.1	1285.4
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1492.2	1488.0	1492.2	1489.4	1490.8	1486.7	1474.3	1470.1	1474.3	1478.4	1478.4
5°	1510.1	1507.3	1510.1	1510.1	1508.7	1505.9	1492.2	1489.4	1492.2	1493.5	1490.8
7.5°	1515.6	1511.4	1515.6	1512.8	1512.8	1510.1	1496.3	1493.5	1494.9	1499.1	1494.9
10°	1515.6	1511.4	1515.6	1514.2	1512.8	1510.1	1496.3	1490.8	1490.8	1494.9	1490.8
12.5°	1508.7	1505.9	1508.7	1505.9	1505.9	1503.2	1489.4	1483.9	1485.3	1486.7	1481.2
15°	1497.7	1493.5	1497.7	1494.9	1496.3	1492.2	1477.0	1471.5	1471.5	1474.3	1464.6
17.5°	1481.2	1475.7	1481.2	1479.8	1478.4	1475.7	1461.9	1456.4	1455.0	1456.4	1449.5
20°	1461.9	1457.8	1461.9	1460.5	1460.5	1455.0	1441.2	1434.4	1434.4	1434.4	1427.5
22.5°	1431.6	1427.5	1431.6	1434.4	1434.4	1433.0	1420.6	1411.0	1408.2	1408.2	1399.9
25°	1397.2	1393.1	1397.2	1397.2	1395.8	1397.2	1393.1	1387.6	1383.4	1379.3	1371.0
27.5°	1364.2	1361.4	1364.2	1361.4	1364.2	1360.0	1358.6	1357.3	1351.8	1347.6	1336.6
30°	1331.1	1328.4	1331.1	1328.4	1325.6	1322.9	1316.0	1313.2	1318.7	1316.0	1298.1
32.5°	1289.8	1287.1	1289.8	1289.8	1287.1	1287.1	1276.1	1271.9	1273.3	1281.6	1265.0
35°	1247.1	1243.0	1247.1	1245.8	1247.1	1243.0	1236.1	1234.8	1229.3	1238.9	1226.5
37.5°	1197.6	1193.5	1197.6	1197.6	1197.6	1200.3	1194.8	1190.7	1182.5	1194.8	1185.2
40°	1146.7	1141.2	1146.7	1145.3	1146.7	1149.4	1146.7	1143.9	1135.6	1145.3	1137.0
42.5°	1088.8	1087.5	1088.8	1090.2	1090.2	1095.7	1099.9	1094.4	1091.6	1084.7	1090.2
45°	1026.9	1024.1	1026.9	1029.7	1031.0	1033.8	1046.2	1046.2	1042.0	1031.0	1039.3
47.5°	960.8	953.9	960.8	969.1	969.1	973.2	985.6	995.2	988.4	974.6	978.7
50°	890.6	892.0	890.6	896.1	896.1	911.3	920.9	930.5	937.4	920.9	901.6
52.5°	821.8	820.4	821.8	825.9	831.4	838.3	854.8	864.5	875.5	865.8	835.6
55°	753.0	755.7	753.0	754.3	757.1	761.2	786.0	795.6	816.3	803.9	772.2
57.5°	684.1	680.0	684.1	686.9	688.3	692.4	713.0	730.9	743.3	744.7	706.2
60°	604.3	598.8	604.3	616.7	619.4	622.2	641.5	658.0	669.0	673.1	633.2
62.5°	534.1	524.5	534.1	542.4	547.9	554.7	568.5	593.3	602.9	604.3	547.9
65°	459.8	455.6	459.8	476.3	477.7	485.9	501.1	519.0	539.6	536.9	455.6
67.5°	392.3	392.3	392.3	403.3	411.6	415.7	435.0	443.2	469.4	472.2	379.9
70°	330.4	329.0	330.4	338.6	344.1	353.8	371.7	381.3	402.0	408.8	308.3
72.5°	271.2	269.8	271.2	278.1	283.6	291.8	307.0	318.0	335.9	344.1	239.5
75°	218.9	216.1	218.9	224.4	223.0	234.0	246.4	257.4	273.9	279.4	177.6
77.5°	167.9	167.9	167.9	173.4	173.4	184.5	190.0	203.7	213.4	221.6	130.8
80°	125.3	123.9	125.3	126.6	126.6	132.1	141.8	151.4	159.7	159.7	89.5
82.5°	88.1	85.3	88.1	88.1	88.1	90.9	96.4	99.1	104.6	108.7	56.4
85°	55.1	55.1	55.1	56.4	55.1	57.8	59.2	61.9	61.9	59.2	34.4
87.5°	35.8	34.4	35.8	34.4	34.4	33.0	33.0	33.0	31.7	30.3	19.3
90°	32.7	32.7	32.7	32.7	32.7	43.5	58.0	65.2	56.1	37.8	24.0
92.5°	130.7	104.7	130.7	156.7	163.2	231.3	322.0	367.4	322.7	233.0	165.7
95°	455.5	376.9	455.5	534.1	553.7	727.2	958.4	1074.1	907.1	573.3	322.8
97.5°	1091.4	941.8	1091.4	1241.0	1278.4	1388.0	1534.2	1607.3	1328.9	772.1	354.6
100°	1572.6	1394.3	1572.6	1750.8	1795.3	1787.3	1776.6	1771.2	1462.3	844.6	381.2
102.5°	2045.7	1893.1	2045.7	2198.3	2236.5	2096.8	1910.6	1817.6	1504.3	877.8	407.8
105°	2649.1	2567.1	2649.1	2731.2	2751.7	2438.6	2021.1	1812.4	1509.1	902.4	447.3
107.5°	3044.4	3064.2	3044.4	3024.5	3019.6	2582.9	2000.6	1709.4	1441.9	906.9	505.6
110°	3195.0	3280.6	3195.0	3109.6	3088.2	2600.0	1949.0	1623.5	1382.3	900.1	538.3





TEST NUMBER: P935964

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3208.5	3339.8	3208.5	3077.3	3044.5	2544.8	1878.5	1545.4	1330.4	900.4	577.8
115°	3123.4	3305.4	3123.4	2941.4	2895.9	2414.5	1772.7	1451.8	1270.7	908.6	637.1
117.5°	2943.0	3144.9	2943.0	2741.2	2690.7	2256.2	1677.1	1387.5	1233.5	925.6	694.6
120°	2797.7	2993.8	2797.7	2601.5	2552.5	2155.6	1626.3	1361.7	1220.9	939.3	728.1
122.5°	2656.1	2849.5	2656.1	2462.6	2414.3	2056.8	1580.3	1341.9	1214.3	959.0	767.6
125°	2454.1	2632.3	2454.1	2275.9	2231.4	1927.7	1522.9	1320.5	1208.9	985.6	818.2
127.5°	2272.5	2422.9	2272.5	2122.2	2084.5	1823.8	1476.2	1302.4	1205.7	1012.2	867.1
130°	2165.5	2304.3	2165.5	2026.5	1991.9	1759.8	1450.3	1295.6	1207.7	1031.8	899.8
132.5°	2068.3	2192.7	2068.3	1944.0	1912.8	1705.1	1428.0	1289.5	1208.9	1047.5	926.4
135°	1935.3	2042.5	1935.3	1828.0	1801.3	1627.3	1395.3	1279.3	1207.7	1064.6	957.3
137.5°	1828.6	1916.3	1828.6	1740.8	1718.8	1571.7	1375.6	1277.5	1215.1	1090.4	996.8
140°	1755.3	1837.3	1755.3	1673.2	1652.8	1525.7	1356.3	1271.6	1216.4	1106.1	1023.4
142.5°	1694.6	1765.2	1694.6	1624.0	1606.3	1494.7	1346.0	1271.6	1220.8	1119.3	1043.1
145°	1603.6	1657.0	1603.6	1550.2	1536.9	1445.6	1323.8	1262.9	1220.8	1136.5	1073.2
147.5°	1533.7	1578.1	1533.7	1489.5	1478.4	1406.6	1310.8	1262.9	1229.2	1161.6	1111.0
150°	1489.8	1525.7	1489.8	1453.9	1444.9	1384.3	1303.4	1262.9	1233.6	1174.7	1130.7
152.5°	1452.2	1479.3	1452.2	1425.1	1418.3	1366.5	1297.4	1262.9	1236.4	1183.4	1143.6
155°	1408.9	1426.9	1408.9	1391.0	1386.5	1345.3	1290.4	1262.9	1242.7	1202.3	1171.9
157.5°	1374.9	1387.5	1374.9	1362.2	1359.1	1327.1	1284.3	1262.9	1249.0	1221.2	1200.3
160°	1354.4	1361.7	1354.4	1347.2	1345.3	1317.9	1281.3	1262.9	1251.8	1229.7	1213.1
162.5°	1341.0	1347.9	1341.0	1334.2	1332.5	1309.3	1278.3	1262.9	1254.9	1238.9	1226.9
165°	1321.8	1329.0	1321.8	1314.6	1312.8	1296.2	1274.0	1262.9	1259.3	1252.0	1246.6
167.5°	1308.0	1311.0	1308.0	1304.9	1304.1	1293.3	1278.8	1271.6	1268.5	1262.4	1257.8
170°	1304.1	1304.1	1304.1	1304.1	1304.1	1293.3	1278.8	1271.6	1271.4	1270.9	1270.6
172.5°	1293.9	1291.3	1293.9	1296.6	1297.3	1288.7	1277.2	1271.6	1271.6	1271.6	1271.6
175°	1287.8	1287.8	1287.8	1287.8	1287.8	1282.4	1275.1	1271.6	1273.3	1276.7	1279.3
177.5°	1282.3	1279.3	1282.3	1285.4	1286.1	1281.8	1276.1	1273.2	1274.6	1277.2	1279.3
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P935964

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1475.7	1467.4	1467.4	1453.6	1448.1	1444.0	1437.1	1416.5	1411.0	1405.4	1413.7
5°	1488.0	1472.9	1461.9	1437.1	1416.5	1408.2	1382.0	1332.5	1299.5	1274.7	1260.9
7.5°	1490.8	1471.5	1450.9	1412.3	1362.8	1340.8	1260.9	1170.1	1145.3	1123.3	1109.5
10°	1488.0	1466.0	1437.1	1379.3	1262.3	1223.7	1143.9	1084.7	1069.6	1065.4	1069.6
12.5°	1478.4	1457.8	1417.8	1321.5	1157.7	1131.5	1084.7	1050.3	1047.5	1054.4	1091.6
15°	1461.9	1442.6	1395.8	1244.4	1099.9	1080.6	1047.5	1035.2	1050.3	1098.5	1210.0
17.5°	1445.4	1423.3	1365.5	1168.7	1055.8	1042.0	1018.6	1043.4	1128.8	1193.5	1230.6
20°	1423.3	1397.2	1331.1	1113.6	1024.1	1011.8	1000.7	1112.2	1176.9	1200.3	1221.0
22.5°	1397.2	1369.7	1284.3	1075.1	991.1	981.5	988.4	1150.8	1176.9	1193.5	1211.4
25°	1362.8	1339.4	1229.3	1044.8	965.0	953.9	980.1	1146.7	1161.8	1165.9	1201.7
27.5°	1331.1	1300.8	1171.4	1017.3	933.3	929.2	987.0	1128.8	1139.8	1143.9	1182.5
30°	1292.6	1247.1	1106.7	988.4	900.3	898.9	988.4	1106.7	1104.0	1115.0	1153.5
32.5°	1252.7	1167.3	1033.8	952.6	868.6	867.2	978.7	1073.7	1071.0	1086.1	1115.0
35°	1215.5	1105.4	934.7	911.3	828.7	830.1	955.3	1035.2	1036.5	1050.3	1068.2
37.5°	1176.9	1051.7	825.9	865.8	790.1	790.1	923.7	999.4	996.6	1000.7	1025.5
40°	1131.5	967.7	729.6	806.7	754.3	750.2	885.1	960.8	951.2	949.8	984.2
42.5°	1083.3	875.5	658.0	728.2	713.0	707.5	838.3	914.0	896.1	900.3	944.3
45°	1031.0	850.7	602.9	615.3	670.4	666.2	787.4	860.3	848.0	859.0	904.4
47.5°	978.7	801.1	585.0	510.7	625.0	623.6	730.9	808.0	801.1	812.2	860.3
50°	907.1	746.1	583.7	437.7	574.0	579.5	663.5	757.1	757.1	766.7	817.7
52.5°	814.9	678.6	530.0	396.4	514.8	531.3	604.3	713.0	715.8	725.4	770.9
55°	730.9	608.4	491.4	364.8	444.6	480.4	546.5	667.6	673.1	682.8	724.1
57.5°	653.9	506.6	483.2	327.6	379.9	414.3	495.6	623.6	626.3	634.6	674.5
60°	571.3	366.2	443.2	287.7	323.5	349.6	448.8	571.3	580.9	586.4	620.8
62.5°	477.7	265.7	402.0	260.2	296.0	301.5	410.2	521.7	534.1	538.2	558.9
65°	340.0	223.0	341.4	236.8	267.0	268.4	368.9	470.8	481.8	488.7	503.8
67.5°	229.9	181.7	260.2	214.7	245.0	246.4	329.0	411.6	426.7	432.2	441.9
70°	159.7	121.1	192.7	191.3	220.2	223.0	286.3	357.9	371.7	375.8	381.3
72.5°	117.0	97.7	159.7	172.1	194.1	196.8	242.3	297.3	311.1	315.2	318.0
75°	89.5	103.2	129.4	150.0	165.2	166.6	198.2	242.3	251.9	254.7	256.0
77.5°	71.6	96.4	95.0	121.1	134.9	132.1	155.5	187.2	195.5	195.5	195.5
80°	53.7	75.7	71.6	86.7	99.1	96.4	111.5	133.5	136.3	139.0	137.7
82.5°	39.9	48.2	48.2	55.1	66.1	63.3	74.3	86.7	86.7	86.7	89.5
85°	24.8	27.5	22.0	28.9	37.2	35.8	41.3	46.8	48.2	48.2	45.4
87.5°	15.1	12.4	6.9	11.0	16.5	16.5	19.3	20.6	19.3	19.3	19.3
90°	22.3	15.5	8.6	15.5	22.3	24.0	37.8	56.1	65.2	58.0	43.5
92.5°	151.1	92.7	34.3	92.7	151.1	165.7	233.0	322.7	367.4	322.0	231.3
95°	296.1	189.2	82.4	189.2	296.1	322.8	573.3	907.1	1074.1	958.4	727.2
97.5°	331.0	236.8	142.5	236.8	331.0	354.6	772.1	1328.9	1607.3	1534.2	1388.0
100°	359.8	274.4	188.9	274.4	359.8	381.2	844.6	1462.3	1771.2	1776.6	1787.3
102.5°	387.9	308.2	228.4	308.2	387.9	407.8	877.8	1504.3	1817.6	1910.6	2096.8
105°	430.4	362.9	295.3	362.9	430.4	447.3	902.4	1509.1	1812.4	2021.1	2438.6
107.5°	490.0	427.0	364.0	427.0	490.0	505.6	906.9	1441.9	1709.4	2000.6	2582.9
110°	524.1	467.3	410.4	467.3	524.1	538.3	900.1	1382.3	1623.5	1949.0	2600.0



TEST NUMBER: P935964

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	564.2	510.1	455.9	510.1	564.2	577.8	900.4	1330.4	1545.4	1878.5	2544.8
115°	624.6	574.6	524.6	574.6	624.6	637.1	908.6	1270.7	1451.8	1772.7	2414.5
117.5°	683.2	637.8	592.4	637.8	683.2	694.6	925.6	1233.5	1387.5	1677.1	2256.2
120°	717.5	674.7	631.9	674.7	717.5	728.1	939.3	1220.9	1361.7	1626.3	2155.6
122.5°	756.8	713.7	670.6	713.7	756.8	767.6	959.0	1214.3	1341.9	1580.3	2056.8
125°	808.4	769.0	729.8	769.0	808.4	818.2	985.6	1208.9	1320.5	1522.9	1927.7
127.5°	857.2	817.5	777.8	817.5	857.2	867.1	1012.2	1205.7	1302.4	1476.2	1823.8
130°	889.2	846.4	803.6	846.4	889.2	899.8	1031.8	1207.7	1295.6	1450.3	1759.8
132.5°	915.8	873.0	830.2	873.0	915.8	926.4	1047.5	1208.9	1289.5	1428.0	1705.1
135°	947.6	908.6	869.7	908.6	947.6	957.3	1064.6	1207.7	1279.3	1395.3	1627.3
137.5°	987.2	948.6	910.1	948.6	987.2	996.8	1090.4	1215.1	1277.5	1375.6	1571.7
140°	1014.5	979.1	943.6	979.1	1014.5	1023.4	1106.1	1216.4	1271.6	1356.3	1525.7
142.5°	1035.0	1002.1	969.3	1002.1	1035.0	1043.1	1119.3	1220.8	1271.6	1346.0	1494.7
145°	1066.1	1037.5	1008.8	1037.5	1066.1	1073.2	1136.5	1220.8	1262.9	1323.8	1445.6
147.5°	1104.0	1076.2	1048.3	1076.2	1104.0	1111.0	1161.6	1229.2	1262.9	1310.8	1406.6
150°	1124.4	1099.2	1074.1	1099.2	1124.4	1130.7	1174.7	1233.6	1262.9	1303.4	1384.3
152.5°	1138.9	1119.8	1100.7	1119.8	1138.9	1143.6	1183.4	1236.4	1262.9	1297.4	1366.5
155°	1168.4	1154.3	1140.1	1154.3	1168.4	1171.9	1202.3	1242.7	1262.9	1290.4	1345.3
157.5°	1196.9	1183.1	1169.3	1183.1	1196.9	1200.3	1221.2	1249.0	1262.9	1284.3	1327.1
160°	1210.4	1199.8	1189.1	1199.8	1210.4	1213.1	1229.7	1251.8	1262.9	1281.3	1317.9
162.5°	1224.8	1216.9	1208.9	1216.9	1224.8	1226.9	1238.9	1254.9	1262.9	1278.3	1309.3
165°	1244.8	1237.6	1230.4	1237.6	1244.8	1246.6	1252.0	1259.3	1262.9	1274.0	1296.2
167.5°	1257.0	1253.5	1250.1	1253.5	1257.0	1257.8	1262.4	1268.5	1271.6	1278.8	1293.3
170°	1269.8	1266.3	1262.9	1266.3	1269.8	1270.6	1270.9	1271.4	1271.6	1278.8	1293.3
172.5°	1271.4	1270.5	1269.8	1270.5	1271.4	1271.6	1271.6	1271.6	1271.6	1277.2	1288.7
175°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1276.7	1273.3	1271.6	1275.1	1282.4
177.5°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1277.2	1274.6	1273.2	1276.1	1281.8
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P935964

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1404.1	1399.9	1405.4	1390.3	1405.4	1399.9	1404.1	1413.7	1405.4	1411.0	1416.5
5°	1232.0	1225.1	1203.1	1185.2	1203.1	1225.1	1232.0	1260.9	1274.7	1299.5	1332.5
7.5°	1101.2	1095.7	1090.2	1079.2	1090.2	1095.7	1101.2	1109.5	1123.3	1145.3	1170.1
10°	1072.3	1073.7	1082.0	1080.6	1082.0	1073.7	1072.3	1069.6	1065.4	1069.6	1084.7
12.5°	1146.7	1159.0	1204.5	1201.7	1204.5	1159.0	1146.7	1091.6	1054.4	1047.5	1050.3
15°	1232.0	1236.1	1245.8	1247.1	1245.8	1236.1	1232.0	1210.0	1098.5	1050.3	1035.2
17.5°	1240.3	1241.6	1248.5	1248.5	1248.5	1241.6	1240.3	1230.6	1193.5	1128.8	1043.4
20°	1233.4	1236.1	1249.9	1252.7	1249.9	1236.1	1233.4	1221.0	1200.3	1176.9	1112.2
22.5°	1230.6	1236.1	1247.1	1245.8	1247.1	1236.1	1230.6	1211.4	1193.5	1176.9	1150.8
25°	1216.9	1216.9	1218.2	1219.6	1218.2	1216.9	1216.9	1201.7	1165.9	1161.8	1146.7
27.5°	1188.0	1190.7	1199.0	1197.6	1199.0	1190.7	1188.0	1182.5	1143.9	1139.8	1128.8
30°	1161.8	1159.0	1152.2	1146.7	1152.2	1159.0	1161.8	1153.5	1115.0	1104.0	1106.7
32.5°	1117.8	1110.9	1104.0	1099.9	1104.0	1110.9	1117.8	1115.0	1086.1	1071.0	1073.7
35°	1065.4	1066.8	1065.4	1061.3	1065.4	1066.8	1065.4	1068.2	1050.3	1036.5	1035.2
37.5°	1028.3	1031.0	1029.7	1024.1	1029.7	1031.0	1028.3	1025.5	1000.7	996.6	999.4
40°	989.7	991.1	989.7	985.6	989.7	991.1	989.7	984.2	949.8	951.2	960.8
42.5°	952.6	951.2	947.1	944.3	947.1	951.2	952.6	944.3	900.3	896.1	914.0
45°	909.9	911.3	903.0	898.9	903.0	911.3	909.9	904.4	859.0	848.0	860.3
47.5°	867.2	867.2	860.3	856.2	860.3	867.2	867.2	860.3	812.2	801.1	808.0
50°	821.8	820.4	810.8	809.4	810.8	820.4	821.8	817.7	766.7	757.1	757.1
52.5°	769.5	769.5	770.9	773.6	770.9	769.5	769.5	770.9	725.4	715.8	713.0
55°	724.1	725.4	735.1	737.8	735.1	725.4	724.1	724.1	682.8	673.1	667.6
57.5°	677.3	677.3	684.1	684.1	684.1	677.3	677.3	674.5	634.6	626.3	623.6
60°	623.6	626.3	631.8	630.5	631.8	626.3	623.6	620.8	586.4	580.9	571.3
62.5°	567.1	569.9	571.3	568.5	571.3	569.9	567.1	558.9	538.2	534.1	521.7
65°	507.9	510.7	512.1	509.3	512.1	510.7	507.9	503.8	488.7	481.8	470.8
67.5°	447.4	446.0	444.6	450.1	444.6	446.0	447.4	441.9	432.2	426.7	411.6
70°	385.4	385.4	384.1	386.8	384.1	385.4	385.4	381.3	375.8	371.7	357.9
72.5°	319.4	318.0	323.5	319.4	323.5	318.0	319.4	318.0	315.2	311.1	297.3
75°	254.7	257.4	254.7	258.8	254.7	257.4	254.7	256.0	254.7	251.9	242.3
77.5°	194.1	196.8	194.1	194.1	194.1	196.8	194.1	195.5	195.5	195.5	187.2
80°	137.7	136.3	136.3	134.9	136.3	136.3	137.7	137.7	139.0	136.3	133.5
82.5°	88.1	86.7	86.7	89.5	86.7	86.7	88.1	89.5	86.7	86.7	86.7
85°	48.2	49.6	46.8	46.8	46.8	49.6	48.2	45.4	48.2	48.2	46.8
87.5°	17.9	16.5	16.5	16.5	16.5	16.5	17.9	19.3	19.3	19.3	20.6
90°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	43.5	58.0	65.2	56.1
92.5°	163.2	156.7	130.7	104.7	130.7	156.7	163.2	231.3	322.0	367.4	322.7
95°	553.7	534.1	455.5	376.9	455.5	534.1	553.7	727.2	958.4	1074.1	907.1
97.5°	1278.4	1241.0	1091.4	941.8	1091.4	1241.0	1278.4	1388.0	1534.2	1607.3	1328.9
100°	1795.3	1750.8	1572.6	1394.3	1572.6	1750.8	1795.3	1787.3	1776.6	1771.2	1462.3
102.5°	2236.5	2198.3	2045.7	1893.1	2045.7	2198.3	2236.5	2096.8	1910.6	1817.6	1504.3
105°	2751.7	2731.2	2649.1	2567.1	2649.1	2731.2	2751.7	2438.6	2021.1	1812.4	1509.1
107.5°	3019.6	3024.5	3044.4	3064.2	3044.4	3024.5	3019.6	2582.9	2000.6	1709.4	1441.9
110°	3088.2	3109.6	3195.0	3280.6	3195.0	3109.6	3088.2	2600.0	1949.0	1623.5	1382.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3044.5	3077.3	3208.5	3339.8	3208.5	3077.3	3044.5	2544.8	1878.5	1545.4	1330.4
115°	2895.9	2941.4	3123.4	3305.4	3123.4	2941.4	2895.9	2414.5	1772.7	1451.8	1270.7
117.5°	2690.7	2741.2	2943.0	3144.9	2943.0	2741.2	2690.7	2256.2	1677.1	1387.5	1233.5
120°	2552.5	2601.5	2797.7	2993.8	2797.7	2601.5	2552.5	2155.6	1626.3	1361.7	1220.9
122.5°	2414.3	2462.6	2656.1	2849.5	2656.1	2462.6	2414.3	2056.8	1580.3	1341.9	1214.3
125°	2231.4	2275.9	2454.1	2632.3	2454.1	2275.9	2231.4	1927.7	1522.9	1320.5	1208.9
127.5°	2084.5	2122.2	2272.5	2422.9	2272.5	2122.2	2084.5	1823.8	1476.2	1302.4	1205.7
130°	1991.9	2026.5	2165.5	2304.3	2165.5	2026.5	1991.9	1759.8	1450.3	1295.6	1207.7
132.5°	1912.8	1944.0	2068.3	2192.7	2068.3	1944.0	1912.8	1705.1	1428.0	1289.5	1208.9
135°	1801.3	1828.0	1935.3	2042.5	1935.3	1828.0	1801.3	1627.3	1395.3	1279.3	1207.7
137.5°	1718.8	1740.8	1828.6	1916.3	1828.6	1740.8	1718.8	1571.7	1375.6	1277.5	1215.1
140°	1652.8	1673.2	1755.3	1837.3	1755.3	1673.2	1652.8	1525.7	1356.3	1271.6	1216.4
142.5°	1606.3	1624.0	1694.6	1765.2	1694.6	1624.0	1606.3	1494.7	1346.0	1271.6	1220.8
145°	1536.9	1550.2	1603.6	1657.0	1603.6	1550.2	1536.9	1445.6	1323.8	1262.9	1220.8
147.5°	1478.4	1489.5	1533.7	1578.1	1533.7	1489.5	1478.4	1406.6	1310.8	1262.9	1229.2
150°	1444.9	1453.9	1489.8	1525.7	1489.8	1453.9	1444.9	1384.3	1303.4	1262.9	1233.6
152.5°	1418.3	1425.1	1452.2	1479.3	1452.2	1425.1	1418.3	1366.5	1297.4	1262.9	1236.4
155°	1386.5	1391.0	1408.9	1426.9	1408.9	1391.0	1386.5	1345.3	1290.4	1262.9	1242.7
157.5°	1359.1	1362.2	1374.9	1387.5	1374.9	1362.2	1359.1	1327.1	1284.3	1262.9	1249.0
160°	1345.3	1347.2	1354.4	1361.7	1354.4	1347.2	1345.3	1317.9	1281.3	1262.9	1251.8
162.5°	1332.5	1334.2	1341.0	1347.9	1341.0	1334.2	1332.5	1309.3	1278.3	1262.9	1254.9
165°	1312.8	1314.6	1321.8	1329.0	1321.8	1314.6	1312.8	1296.2	1274.0	1262.9	1259.3
167.5°	1304.1	1304.9	1308.0	1311.0	1308.0	1304.9	1304.1	1293.3	1278.8	1271.6	1268.5
170°	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1293.3	1278.8	1271.6	1271.4
172.5°	1297.3	1296.6	1293.9	1291.3	1293.9	1296.6	1297.3	1288.7	1277.2	1271.6	1271.6
175°	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1282.4	1275.1	1271.6	1273.3
177.5°	1286.1	1285.4	1282.3	1279.3	1282.3	1285.4	1286.1	1281.8	1276.1	1273.2	1274.6
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1437.1	1444.0	1448.1	1453.6	1467.4
5°	1382.0	1408.2	1416.5	1437.1	1461.9
7.5°	1260.9	1340.8	1362.8	1412.3	1450.9
10°	1143.9	1223.7	1262.3	1379.3	1437.1
12.5°	1084.7	1131.5	1157.7	1321.5	1417.8
15°	1047.5	1080.6	1099.9	1244.4	1395.8
17.5°	1018.6	1042.0	1055.8	1168.7	1365.5
20°	1000.7	1011.8	1024.1	1113.6	1331.1
22.5°	988.4	981.5	991.1	1075.1	1284.3
25°	980.1	953.9	965.0	1044.8	1229.3
27.5°	987.0	929.2	933.3	1017.3	1171.4
30°	988.4	898.9	900.3	988.4	1106.7
32.5°	978.7	867.2	868.6	952.6	1033.8
35°	955.3	830.1	828.7	911.3	934.7
37.5°	923.7	790.1	790.1	865.8	825.9
40°	885.1	750.2	754.3	806.7	729.6
42.5°	838.3	707.5	713.0	728.2	658.0
45°	787.4	666.2	670.4	615.3	602.9
47.5°	730.9	623.6	625.0	510.7	585.0
50°	663.5	579.5	574.0	437.7	583.7
52.5°	604.3	531.3	514.8	396.4	530.0
55°	546.5	480.4	444.6	364.8	491.4
57.5°	495.6	414.3	379.9	327.6	483.2
60°	448.8	349.6	323.5	287.7	443.2
62.5°	410.2	301.5	296.0	260.2	402.0
65°	368.9	268.4	267.0	236.8	341.4
67.5°	329.0	246.4	245.0	214.7	260.2
70°	286.3	223.0	220.2	191.3	192.7
72.5°	242.3	196.8	194.1	172.1	159.7
75°	198.2	166.6	165.2	150.0	129.4
77.5°	155.5	132.1	134.9	121.1	95.0
80°	111.5	96.4	99.1	86.7	71.6
82.5°	74.3	63.3	66.1	55.1	48.2
85°	41.3	35.8	37.2	28.9	22.0
87.5°	19.3	16.5	16.5	11.0	6.9
90°	37.8	24.0	22.3	15.5	8.6
92.5°	233.0	165.7	151.1	92.7	34.3
95°	573.3	322.8	296.1	189.2	82.4
97.5°	772.1	354.6	331.0	236.8	142.5
100°	844.6	381.2	359.8	274.4	188.9
102.5°	877.8	407.8	387.9	308.2	228.4
105°	902.4	447.3	430.4	362.9	295.3
107.5°	906.9	505.6	490.0	427.0	364.0
110°	900.1	538.3	524.1	467.3	410.4



TEST NUMBER: P935964

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	900.4	577.8	564.2	510.1	455.9
115°	908.6	637.1	624.6	574.6	524.6
117.5°	925.6	694.6	683.2	637.8	592.4
120°	939.3	728.1	717.5	674.7	631.9
122.5°	959.0	767.6	756.8	713.7	670.6
125°	985.6	818.2	808.4	769.0	729.8
127.5°	1012.2	867.1	857.2	817.5	777.8
130°	1031.8	899.8	889.2	846.4	803.6
132.5°	1047.5	926.4	915.8	873.0	830.2
135°	1064.6	957.3	947.6	908.6	869.7
137.5°	1090.4	996.8	987.2	948.6	910.1
140°	1106.1	1023.4	1014.5	979.1	943.6
142.5°	1119.3	1043.1	1035.0	1002.1	969.3
145°	1136.5	1073.2	1066.1	1037.5	1008.8
147.5°	1161.6	1111.0	1104.0	1076.2	1048.3
150°	1174.7	1130.7	1124.4	1099.2	1074.1
152.5°	1183.4	1143.6	1138.9	1119.8	1100.7
155°	1202.3	1171.9	1168.4	1154.3	1140.1
157.5°	1221.2	1200.3	1196.9	1183.1	1169.3
160°	1229.7	1213.1	1210.4	1199.8	1189.1
162.5°	1238.9	1226.9	1224.8	1216.9	1208.9
165°	1252.0	1246.6	1244.8	1237.6	1230.4
167.5°	1262.4	1257.8	1257.0	1253.5	1250.1
170°	1270.9	1270.6	1269.8	1266.3	1262.9
172.5°	1271.6	1271.6	1271.4	1270.5	1269.8
175°	1276.7	1279.3	1279.3	1279.3	1279.3
177.5°	1277.2	1279.3	1279.3	1279.3	1279.3
180°	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P935964  
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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	10.40	11.11	11.50	12.21	13.73	13.22	13.94	14.32	15.04	16.55
	3H	10.86	11.50	11.97	12.61	14.14	14.55	15.19	15.67	16.30	17.83
	4H	11.05	11.65	12.17	12.76	14.30	14.99	15.60	16.11	16.71	18.24
	6H	11.16	11.72	12.29	12.83	14.38	15.27	15.82	16.40	16.94	18.49
	8H	11.16	11.69	12.29	12.81	14.36	15.33	15.87	16.47	16.99	18.54
	12H	11.12	11.63	12.26	12.75	14.31	15.37	15.87	16.51	16.99	18.56
4H	2H	11.41	12.02	12.54	13.13	14.66	13.61	14.22	14.74	15.33	16.87
	3H	12.42	12.93	13.56	14.06	15.61	15.10	15.61	16.24	16.74	18.29
	4H	12.69	13.16	13.83	14.28	15.85	15.62	16.09	16.76	17.21	18.78
	6H	12.81	13.21	13.95	14.36	15.92	15.98	16.38	17.12	17.52	19.09
	8H	12.81	13.18	13.96	14.32	15.90	16.08	16.45	17.23	17.59	19.17
	12H	12.77	13.11	13.93	14.26	15.84	16.13	16.47	17.29	17.62	19.20
8H	4H	13.13	13.51	14.28	14.64	16.22	15.74	16.11	16.88	17.25	18.83
	6H	13.39	13.70	14.55	14.88	16.45	16.16	16.47	17.33	17.65	19.23
	8H	13.43	13.70	14.60	14.86	16.45	16.31	16.58	17.49	17.74	19.34
	12H	13.41	13.64	14.58	14.80	16.43	16.41	16.64	17.58	17.80	19.43
12H	4H	13.13	13.47	14.29	14.62	16.20	15.69	16.03	16.85	17.18	18.76
	6H	13.45	13.72	14.62	14.88	16.47	16.16	16.43	17.33	17.59	19.18
	8H	13.51	13.74	14.68	14.90	16.53	16.31	16.55	17.49	17.71	19.34