

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: P935962

Luminaire Tested: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

**Test Information**

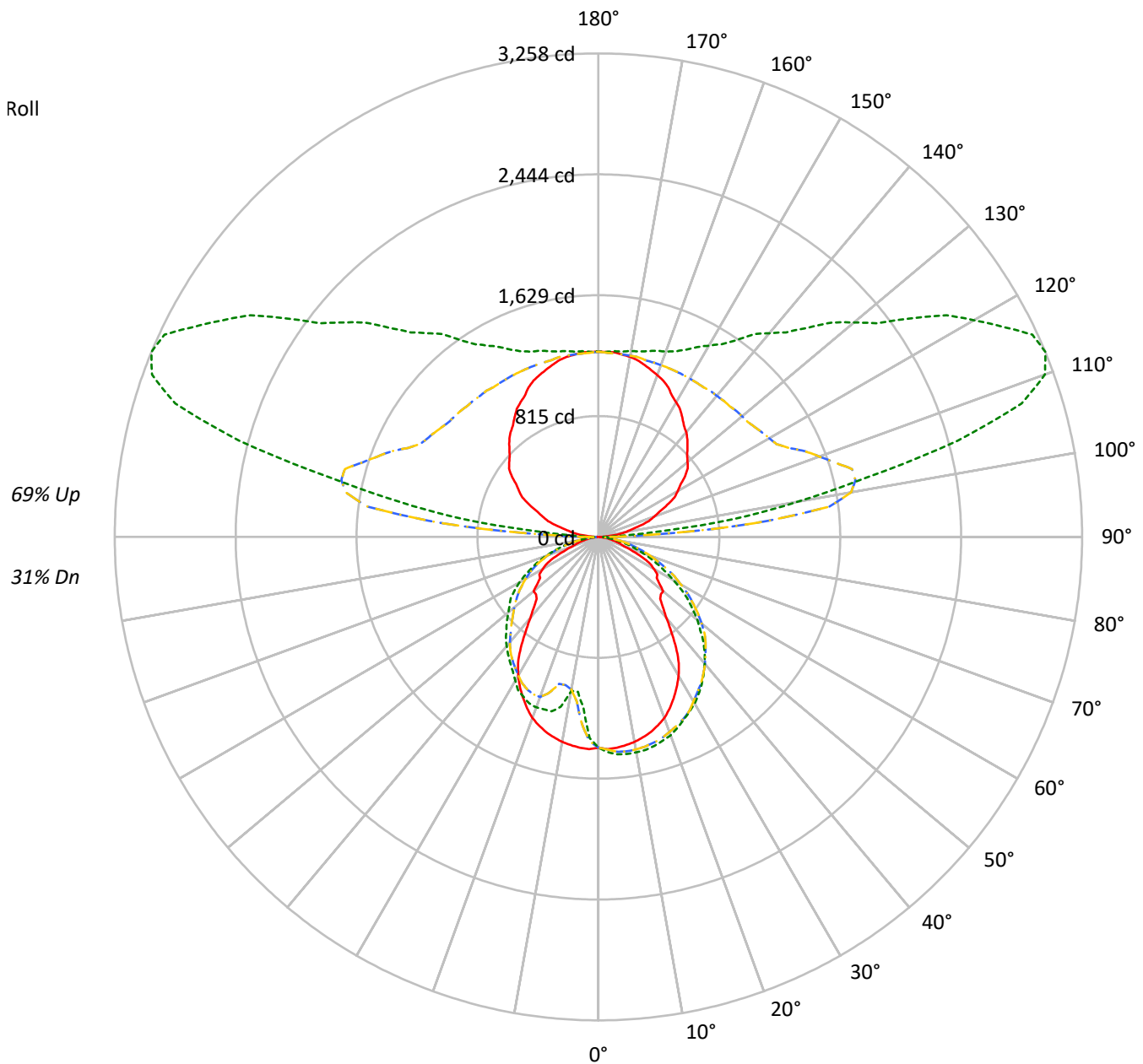
Test Method: LM-79-2019  
Report Number: P935962  
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11776.0 lumens  
Efficiency: N/A  
Efficacy: 123.4 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°	8781	8781	8781	8781
5°	8844	8864	8844	6970
10°	8782	8732	8782	6242
15°	8683	8543	8683	7133
20°	8498	8319	8498	7148
25°	8123	7992	8123	6997
30°	7639	7720	7639	6664
35°	6807	7377	6807	6298
40°	5669	6973	5669	6023
45°	5062	6500	5062	5705
50°	5373	5936	5373	5386
55°	5050	5328	5050	5202
60°	5200	4525	5200	4765
65°	4708	3740	4708	4181
70°	3251	2981	3251	3505
75°	2840	2203	2840	2639
80°	2272	1457	2272	1586
85°	1282	771	1282	656

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7763 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.1	1.1
10°-20°	363.8	3.1
20°-30°	562.4	4.8
30°-40°	671.4	5.7
40°-50°	675.3	5.7
50°-60°	587.6	5.0
60°-70°	416.6	3.5
70°-80°	220.4	1.9
80°-90°	59.7	0.5
90°-100°	608.4	5.2
100°-110°	1599.4	13.6
110°-120°	1658.4	14.1
120°-130°	1330.3	11.3
130°-140°	1043.8	8.9
140°-150°	801.1	6.8
150°-160°	576.9	4.9
160°-170°	353.0	3.0
170°-180°	119.3	1.0
0°-30°	1054.3	9.0
0°-40°	1725.7	14.7
0°-60°	2988.6	25.4
0°-90°	3685.3	31.3
90°-120°	3866.2	32.8
90°-150°	7041.4	59.8
90°-180°	8091.0	68.7
0°-180°	11776.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1420	1420	1420	1420	1420	
5°	1426	1470	1426	1156	1426	135
15°	1362	1457	1362	1217	1362	383
25°	1199	1359	1199	1190	1199	551
35°	912	1213	912	1035	912	564
45°	588	999	588	877	588	471
55°	479	737	479	720	479	441
65°	333	444	333	497	333	318
75°	126	211	126	252	126	133
85°	22	54	22	46	22	29
90°	8	32	8	32	8	8
95°	80	368	80	368	80	89
105°	288	2504	288	2504	288	305
115°	512	3225	512	3225	512	505
125°	712	2568	712	2568	712	632
135°	848	1993	848	1993	848	657
145°	984	1617	984	1617	984	617
155°	1112	1392	1112	1392	1112	511
165°	1200	1297	1200	1297	1200	339
175°	1248	1256	1248	1256	1248	118
180°	1248	1248	1248	1248	1248	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1431.6	1431.6	1439.7	1442.3	1442.3	1438.3	1434.3	1438.3	1450.4	1454.4	1453.1
5°	1426.2	1437.0	1451.7	1454.4	1457.1	1455.8	1453.1	1455.8	1469.2	1471.9	1473.2
7.5°	1415.5	1435.6	1454.4	1458.5	1462.5	1458.5	1457.1	1459.8	1473.2	1475.9	1475.9
10°	1402.1	1430.3	1451.7	1454.4	1458.5	1454.4	1454.4	1459.8	1473.2	1475.9	1477.3
12.5°	1383.3	1422.2	1442.3	1445.0	1450.4	1449.1	1447.7	1453.1	1466.5	1469.2	1469.2
15°	1361.8	1407.4	1426.2	1428.9	1438.3	1435.6	1435.6	1441.0	1455.8	1459.8	1458.5
17.5°	1332.2	1388.6	1410.1	1414.1	1420.9	1419.5	1420.9	1426.2	1439.7	1442.3	1443.7
20°	1298.7	1363.1	1388.6	1392.7	1399.4	1399.4	1399.4	1406.1	1419.5	1424.9	1424.9
22.5°	1253.0	1336.3	1363.1	1365.8	1373.9	1373.9	1376.5	1385.9	1398.0	1399.4	1399.4
25°	1199.3	1306.7	1329.5	1337.6	1345.7	1349.7	1353.7	1359.1	1363.1	1361.8	1363.1
27.5°	1142.9	1269.1	1298.7	1304.0	1314.8	1318.8	1324.2	1325.5	1326.9	1330.9	1328.2
30°	1079.7	1216.7	1261.0	1266.4	1283.9	1286.6	1281.2	1283.9	1290.6	1293.3	1296.0
32.5°	1008.6	1138.8	1222.1	1234.2	1250.3	1242.2	1240.9	1244.9	1255.7	1255.7	1258.4
35°	911.9	1078.4	1185.8	1196.6	1208.7	1199.3	1204.6	1206.0	1212.7	1216.7	1215.4
37.5°	805.8	1026.0	1148.2	1156.3	1165.7	1153.6	1161.7	1165.7	1171.1	1168.4	1168.4
40°	711.8	944.1	1103.9	1109.3	1117.3	1107.9	1116.0	1118.7	1121.4	1118.7	1117.3
42.5°	641.9	854.1	1056.9	1063.6	1058.3	1065.0	1067.7	1073.0	1069.0	1063.6	1063.6
45°	588.2	830.0	1005.9	1013.9	1005.9	1016.6	1020.7	1020.7	1008.6	1005.9	1004.5
47.5°	570.8	781.6	954.9	954.9	950.8	964.3	971.0	961.6	949.5	945.4	945.4
50°	569.4	727.9	885.0	879.6	898.4	914.6	907.8	898.4	889.0	874.3	874.3
52.5°	517.0	662.1	795.0	815.2	844.7	854.1	843.4	834.0	817.9	811.2	805.8
55°	479.4	593.6	713.1	753.4	784.3	796.4	776.2	766.8	742.7	738.6	735.9
57.5°	471.4	494.2	637.9	688.9	726.5	725.2	713.1	695.7	675.5	671.5	670.1
60°	432.4	357.2	557.3	617.8	656.7	652.7	641.9	625.8	607.0	604.3	601.6
62.5°	392.1	259.2	466.0	534.5	589.6	588.2	578.8	554.6	541.2	534.5	529.1
65°	333.1	217.6	331.7	444.5	523.8	526.4	506.3	488.8	474.1	466.0	464.7
67.5°	253.8	177.3	224.3	370.7	460.6	458.0	432.4	424.4	405.6	401.5	393.5
70°	188.0	118.2	155.8	300.8	398.9	392.1	372.0	362.6	345.1	335.7	330.4
72.5°	155.8	95.4	114.2	233.7	335.7	327.7	310.2	299.5	284.7	276.7	271.3
75°	126.2	100.7	87.3	173.2	272.6	267.3	251.1	240.4	228.3	217.6	218.9
77.5°	92.7	94.0	69.8	127.6	216.2	208.2	198.8	185.3	180.0	169.2	169.2
80°	69.8	73.9	52.4	87.3	155.8	155.8	147.7	138.3	128.9	123.6	123.6
82.5°	47.0	47.0	38.9	55.1	106.1	102.1	96.7	94.0	88.6	85.9	85.9
85°	21.5	26.9	24.2	33.6	57.7	60.4	60.4	57.7	56.4	53.7	55.1
87.5°	6.7	12.1	14.8	18.8	29.5	30.9	32.2	32.2	32.2	33.6	33.6
90°	8.4	15.1	21.8	23.5	36.9	54.7	63.7	56.6	42.4	31.9	31.9
92.5°	33.5	90.4	147.5	161.7	227.3	314.8	358.5	314.2	225.6	159.2	152.8
95°	80.4	184.6	288.9	315.0	559.3	885.0	1047.9	935.1	709.4	540.2	521.1
97.5°	139.0	231.0	322.9	345.9	753.3	1296.5	1568.0	1496.8	1354.2	1247.3	1210.7
100°	184.3	267.7	351.1	371.9	824.0	1426.7	1728.0	1733.2	1743.7	1751.5	1708.1
102.5°	222.8	300.6	378.4	397.9	856.4	1467.6	1773.3	1864.0	2045.7	2182.0	2144.7
105°	288.1	354.0	419.9	436.4	880.4	1472.3	1768.2	1971.8	2379.1	2684.6	2664.5
107.5°	355.2	416.6	478.0	493.3	884.7	1406.7	1667.7	1951.8	2519.9	2945.9	2950.8
110°	400.4	455.9	511.3	525.2	878.1	1348.6	1583.9	1901.5	2536.6	3012.9	3033.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	444.8	497.6	550.4	563.7	878.4	1297.9	1507.7	1832.7	2482.7	2970.2	3002.2
115°	511.8	560.6	609.3	621.5	886.4	1239.7	1416.4	1729.5	2355.7	2825.2	2869.7
117.5°	577.9	622.2	666.6	677.7	903.0	1203.4	1353.6	1636.2	2201.2	2625.1	2674.3
120°	616.5	658.2	700.0	710.3	916.4	1191.1	1328.5	1586.7	2103.0	2490.2	2538.0
122.5°	654.2	696.3	738.4	748.8	935.6	1184.7	1309.2	1541.7	2006.7	2355.4	2402.6
125°	712.0	750.3	788.7	798.3	961.6	1179.4	1288.3	1485.8	1880.7	2177.0	2220.4
127.5°	758.9	797.5	836.3	846.0	987.5	1176.3	1270.6	1440.2	1779.3	2033.7	2070.4
130°	784.0	825.7	867.5	877.9	1006.6	1178.2	1264.0	1415.0	1716.9	1943.3	1977.1
132.5°	810.0	851.7	893.4	903.8	1021.9	1179.4	1258.1	1393.2	1663.5	1866.2	1896.5
135°	848.5	886.4	924.5	934.0	1038.7	1178.2	1248.1	1361.2	1587.6	1757.3	1783.5
137.5°	887.9	925.5	963.1	972.5	1063.8	1185.5	1246.4	1342.1	1533.4	1676.9	1698.3
140°	920.6	955.2	989.8	998.5	1079.1	1186.7	1240.5	1323.2	1488.5	1612.5	1632.4
142.5°	945.6	977.7	1009.7	1017.7	1092.0	1191.0	1240.5	1313.2	1458.3	1567.2	1584.3
145°	984.2	1012.2	1040.1	1047.1	1108.8	1191.0	1232.1	1291.5	1410.3	1499.4	1512.4
147.5°	1022.7	1049.9	1077.1	1083.9	1133.3	1199.2	1232.1	1278.9	1372.2	1442.3	1453.2
150°	1047.9	1072.4	1096.9	1103.1	1146.1	1203.5	1232.1	1271.6	1350.5	1409.7	1418.4
152.5°	1073.8	1092.5	1111.1	1115.7	1154.5	1206.3	1232.1	1265.8	1333.2	1383.7	1390.3
155°	1112.3	1126.1	1139.9	1143.3	1172.9	1212.4	1232.1	1258.9	1312.5	1352.7	1357.1
157.5°	1140.8	1154.2	1167.7	1171.0	1191.4	1218.5	1232.1	1253.0	1294.7	1326.0	1329.0
160°	1160.1	1170.5	1180.9	1183.5	1199.7	1221.3	1232.1	1250.0	1285.8	1312.5	1314.3
162.5°	1179.4	1187.2	1195.0	1196.9	1208.7	1224.3	1232.1	1247.2	1277.3	1300.0	1301.7
165°	1200.3	1207.4	1214.4	1216.2	1221.5	1228.5	1232.1	1243.0	1264.5	1280.7	1282.5
167.5°	1219.6	1222.9	1226.3	1227.1	1231.6	1237.6	1240.5	1247.6	1261.8	1272.3	1273.0
170°	1232.1	1235.4	1238.8	1239.6	1239.9	1240.4	1240.5	1247.6	1261.8	1272.3	1272.3
172.5°	1238.8	1239.6	1240.4	1240.5	1240.5	1240.5	1240.5	1246.1	1257.3	1265.6	1265.0
175°	1248.1	1248.1	1248.1	1248.1	1245.6	1242.2	1240.5	1244.0	1251.1	1256.4	1256.4
177.5°	1248.1	1248.1	1248.1	1248.1	1246.1	1243.5	1242.2	1244.9	1250.6	1254.8	1254.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1455.8	1451.7	1455.8	1453.1	1454.4	1450.4	1438.3	1434.3	1438.3	1442.3	1442.3
5°	1473.2	1470.5	1473.2	1473.2	1471.9	1469.2	1455.8	1453.1	1455.8	1457.1	1454.4
7.5°	1478.6	1474.6	1478.6	1475.9	1475.9	1473.2	1459.8	1457.1	1458.5	1462.5	1458.5
10°	1478.6	1474.6	1478.6	1477.3	1475.9	1473.2	1459.8	1454.4	1454.4	1458.5	1454.4
12.5°	1471.9	1469.2	1471.9	1469.2	1469.2	1466.5	1453.1	1447.7	1449.1	1450.4	1445.0
15°	1461.1	1457.1	1461.1	1458.5	1459.8	1455.8	1441.0	1435.6	1435.6	1438.3	1428.9
17.5°	1445.0	1439.7	1445.0	1443.7	1442.3	1439.7	1426.2	1420.9	1419.5	1420.9	1414.1
20°	1426.2	1422.2	1426.2	1424.9	1424.9	1419.5	1406.1	1399.4	1399.4	1399.4	1392.7
22.5°	1396.7	1392.7	1396.7	1399.4	1399.4	1398.0	1385.9	1376.5	1373.9	1373.9	1365.8
25°	1363.1	1359.1	1363.1	1363.1	1361.8	1363.1	1359.1	1353.7	1349.7	1345.7	1337.6
27.5°	1330.9	1328.2	1330.9	1328.2	1330.9	1326.9	1325.5	1324.2	1318.8	1314.8	1304.0
30°	1298.7	1296.0	1298.7	1296.0	1293.3	1290.6	1283.9	1281.2	1286.6	1283.9	1266.4
32.5°	1258.4	1255.7	1258.4	1258.4	1255.7	1255.7	1244.9	1240.9	1242.2	1250.3	1234.2
35°	1216.7	1212.7	1216.7	1215.4	1216.7	1212.7	1206.0	1204.6	1199.3	1208.7	1196.6
37.5°	1168.4	1164.4	1168.4	1168.4	1168.4	1171.1	1165.7	1161.7	1153.6	1165.7	1156.3
40°	1118.7	1113.3	1118.7	1117.3	1118.7	1121.4	1118.7	1116.0	1107.9	1117.3	1109.3
42.5°	1062.3	1060.9	1062.3	1063.6	1063.6	1069.0	1073.0	1067.7	1065.0	1058.3	1063.6
45°	1001.9	999.2	1001.9	1004.5	1005.9	1008.6	1020.7	1020.7	1016.6	1005.9	1013.9
47.5°	937.4	930.7	937.4	945.4	945.4	949.5	961.6	971.0	964.3	950.8	954.9
50°	868.9	870.2	868.9	874.3	874.3	889.0	898.4	907.8	914.6	898.4	879.6
52.5°	801.8	800.4	801.8	805.8	811.2	817.9	834.0	843.4	854.1	844.7	815.2
55°	734.6	737.3	734.6	735.9	738.6	742.7	766.8	776.2	796.4	784.3	753.4
57.5°	667.5	663.4	667.5	670.1	671.5	675.5	695.7	713.1	725.2	726.5	688.9
60°	589.6	584.2	589.6	601.6	604.3	607.0	625.8	641.9	652.7	656.7	617.8
62.5°	521.1	511.7	521.1	529.1	534.5	541.2	554.6	578.8	588.2	589.6	534.5
65°	448.6	444.5	448.6	464.7	466.0	474.1	488.8	506.3	526.4	523.8	444.5
67.5°	382.7	382.7	382.7	393.5	401.5	405.6	424.4	432.4	458.0	460.6	370.7
70°	322.3	321.0	322.3	330.4	335.7	345.1	362.6	372.0	392.1	398.9	300.8
72.5°	264.6	263.2	264.6	271.3	276.7	284.7	299.5	310.2	327.7	335.7	233.7
75°	213.5	210.8	213.5	218.9	217.6	228.3	240.4	251.1	267.3	272.6	173.2
77.5°	163.8	163.8	163.8	169.2	169.2	180.0	185.3	198.8	208.2	216.2	127.6
80°	122.2	120.9	122.2	123.6	123.6	128.9	138.3	147.7	155.8	155.8	87.3
82.5°	85.9	83.3	85.9	85.9	85.9	88.6	94.0	96.7	102.1	106.1	55.1
85°	53.7	53.7	53.7	55.1	53.7	56.4	57.7	60.4	60.4	57.7	33.6
87.5°	34.9	33.6	34.9	33.6	33.6	32.2	32.2	32.2	30.9	29.5	18.8
90°	31.9	31.9	31.9	31.9	31.9	42.4	56.6	63.7	54.7	36.9	23.5
92.5°	127.5	102.2	127.5	152.8	159.2	225.6	314.2	358.5	314.8	227.3	161.7
95°	444.3	367.7	444.3	521.1	540.2	709.4	935.1	1047.9	885.0	559.3	315.0
97.5°	1064.8	918.9	1064.8	1210.7	1247.3	1354.2	1496.8	1568.0	1296.5	753.3	345.9
100°	1534.2	1360.3	1534.2	1708.1	1751.5	1743.7	1733.2	1728.0	1426.7	824.0	371.9
102.5°	1995.8	1846.9	1995.8	2144.7	2182.0	2045.7	1864.0	1773.3	1467.6	856.4	397.9
105°	2584.5	2504.5	2584.5	2664.5	2684.6	2379.1	1971.8	1768.2	1472.3	880.4	436.4
107.5°	2970.1	2989.4	2970.1	2950.8	2945.9	2519.9	1951.8	1667.7	1406.7	884.7	493.3
110°	3117.1	3200.6	3117.1	3033.8	3012.9	2536.6	1901.5	1583.9	1348.6	878.1	525.2





TEST NUMBER: P935962

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3130.3	3258.3	3130.3	3002.2	2970.2	2482.7	1832.7	1507.7	1297.9	878.4	563.7
115°	3047.2	3224.8	3047.2	2869.7	2825.2	2355.7	1729.5	1416.4	1239.7	886.4	621.5
117.5°	2871.3	3068.2	2871.3	2674.3	2625.1	2201.2	1636.2	1353.6	1203.4	903.0	677.7
120°	2729.4	2920.8	2729.4	2538.0	2490.2	2103.0	1586.7	1328.5	1191.1	916.4	710.3
122.5°	2591.3	2780.0	2591.3	2402.6	2355.4	2006.7	1541.7	1309.2	1184.7	935.6	748.8
125°	2394.2	2568.1	2394.2	2220.4	2177.0	1880.7	1485.8	1288.3	1179.4	961.6	798.3
127.5°	2217.1	2363.8	2217.1	2070.4	2033.7	1779.3	1440.2	1270.6	1176.3	987.5	846.0
130°	2112.7	2248.1	2112.7	1977.1	1943.3	1716.9	1415.0	1264.0	1178.2	1006.6	877.9
132.5°	2017.9	2139.3	2017.9	1896.5	1866.2	1663.5	1393.2	1258.1	1179.4	1021.9	903.8
135°	1888.1	1992.7	1888.1	1783.5	1757.3	1587.6	1361.2	1248.1	1178.2	1038.7	934.0
137.5°	1784.0	1869.6	1784.0	1698.3	1676.9	1533.4	1342.1	1246.4	1185.5	1063.8	972.5
140°	1712.5	1792.5	1712.5	1632.4	1612.5	1488.5	1323.2	1240.5	1186.7	1079.1	998.5
142.5°	1653.3	1722.1	1653.3	1584.3	1567.2	1458.3	1313.2	1240.5	1191.0	1092.0	1017.7
145°	1564.5	1616.6	1564.5	1512.4	1499.4	1410.3	1291.5	1232.1	1191.0	1108.8	1047.1
147.5°	1496.3	1539.6	1496.3	1453.2	1442.3	1372.2	1278.9	1232.1	1199.2	1133.3	1083.9
150°	1453.4	1488.5	1453.4	1418.4	1409.7	1350.5	1271.6	1232.1	1203.5	1146.1	1103.1
152.5°	1416.7	1443.2	1416.7	1390.3	1383.7	1333.2	1265.8	1232.1	1206.3	1154.5	1115.7
155°	1374.6	1392.1	1374.6	1357.1	1352.7	1312.5	1258.9	1232.1	1212.4	1172.9	1143.3
157.5°	1341.4	1353.6	1341.4	1329.0	1326.0	1294.7	1253.0	1232.1	1218.5	1191.4	1171.0
160°	1321.4	1328.5	1321.4	1314.3	1312.5	1285.8	1250.0	1232.1	1221.3	1199.7	1183.5
162.5°	1308.3	1315.0	1308.3	1301.7	1300.0	1277.3	1247.2	1232.1	1224.3	1208.7	1196.9
165°	1289.5	1296.6	1289.5	1282.5	1280.7	1264.5	1243.0	1232.1	1228.5	1221.5	1216.2
167.5°	1276.1	1279.0	1276.1	1273.0	1272.3	1261.8	1247.6	1240.5	1237.6	1231.6	1227.1
170°	1272.3	1272.3	1272.3	1272.3	1272.3	1261.8	1247.6	1240.5	1240.4	1239.9	1239.6
172.5°	1262.4	1259.8	1262.4	1265.0	1265.6	1257.3	1246.1	1240.5	1240.5	1240.5	1240.5
175°	1256.4	1256.4	1256.4	1256.4	1256.4	1251.1	1244.0	1240.5	1242.2	1245.6	1248.1
177.5°	1251.0	1248.1	1251.0	1254.1	1254.8	1250.6	1244.9	1242.2	1243.5	1246.1	1248.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P935962  
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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1439.7	1431.6	1431.6	1418.2	1412.8	1408.8	1402.1	1381.9	1376.5	1371.2	1379.2
5°	1451.7	1437.0	1426.2	1402.1	1381.9	1373.9	1348.3	1300.0	1267.8	1243.6	1230.2
7.5°	1454.4	1435.6	1415.5	1377.9	1329.5	1308.1	1230.2	1141.5	1117.3	1095.9	1082.4
10°	1451.7	1430.3	1402.1	1345.7	1231.5	1193.9	1116.0	1058.3	1043.5	1039.5	1043.5
12.5°	1442.3	1422.2	1383.3	1289.2	1129.4	1103.9	1058.3	1024.7	1022.0	1028.7	1065.0
15°	1426.2	1407.4	1361.8	1214.0	1073.0	1054.2	1022.0	1009.9	1024.7	1071.7	1180.5
17.5°	1410.1	1388.6	1332.2	1140.2	1030.1	1016.6	993.8	1018.0	1101.2	1164.4	1200.6
20°	1388.6	1363.1	1298.7	1086.5	999.2	987.1	976.3	1085.1	1148.2	1171.1	1191.2
22.5°	1363.1	1336.3	1253.0	1048.9	966.9	957.5	964.3	1122.7	1148.2	1164.4	1181.8
25°	1329.5	1306.7	1199.3	1019.3	941.4	930.7	956.2	1118.7	1133.5	1137.5	1172.4
27.5°	1298.7	1269.1	1142.9	992.5	910.5	906.5	962.9	1101.2	1112.0	1116.0	1153.6
30°	1261.0	1216.7	1079.7	964.3	878.3	877.0	964.3	1079.7	1077.1	1087.8	1125.4
32.5°	1222.1	1138.8	1008.6	929.3	847.4	846.1	954.9	1047.5	1044.8	1059.6	1087.8
35°	1185.8	1078.4	911.9	889.0	808.5	809.8	932.0	1009.9	1011.3	1024.7	1042.1
37.5°	1148.2	1026.0	805.8	844.7	770.9	770.9	901.1	975.0	972.3	976.3	1000.5
40°	1103.9	944.1	711.8	787.0	735.9	731.9	863.5	937.4	928.0	926.6	960.2
42.5°	1056.9	854.1	641.9	710.4	695.7	690.3	817.9	891.7	874.3	878.3	921.3
45°	1005.9	830.0	588.2	600.3	654.0	650.0	768.2	839.4	827.3	838.0	882.3
47.5°	954.9	781.6	570.8	498.2	609.7	608.4	713.1	788.3	781.6	792.4	839.4
50°	885.0	727.9	569.4	427.1	560.0	565.4	647.3	738.6	738.6	748.0	797.7
52.5°	795.0	662.1	517.0	386.8	502.3	518.4	589.6	695.7	698.3	707.7	752.1
55°	713.1	593.6	479.4	355.9	433.8	468.7	533.2	651.3	656.7	666.1	706.4
57.5°	637.9	494.2	471.4	319.6	370.7	404.2	483.5	608.4	611.1	619.1	658.1
60°	557.3	357.2	432.4	280.7	315.6	341.1	437.8	557.3	566.7	572.1	605.7
62.5°	466.0	259.2	392.1	253.8	288.7	294.1	400.2	509.0	521.1	525.1	545.2
65°	331.7	217.6	333.1	231.0	260.5	261.9	359.9	459.3	470.0	476.8	491.5
67.5°	224.3	177.3	253.8	209.5	239.0	240.4	321.0	401.5	416.3	421.7	431.1
70°	155.8	118.2	188.0	186.7	214.9	217.6	279.3	349.2	362.6	366.6	372.0
72.5°	114.2	95.4	155.8	167.9	189.4	192.0	236.4	290.1	303.5	307.5	310.2
75°	87.3	100.7	126.2	146.4	161.2	162.5	193.4	236.4	245.8	248.4	249.8
77.5°	69.8	94.0	92.7	118.2	131.6	128.9	151.8	182.6	190.7	190.7	190.7
80°	52.4	73.9	69.8	84.6	96.7	94.0	108.8	130.3	133.0	135.6	134.3
82.5°	38.9	47.0	47.0	53.7	64.5	61.8	72.5	84.6	84.6	84.6	87.3
85°	24.2	26.9	21.5	28.2	36.3	34.9	40.3	45.7	47.0	47.0	44.3
87.5°	14.8	12.1	6.7	10.7	16.1	16.1	18.8	20.1	18.8	18.8	18.8
90°	21.8	15.1	8.4	15.1	21.8	23.5	36.9	54.7	63.7	56.6	42.4
92.5°	147.5	90.4	33.5	90.4	147.5	161.7	227.3	314.8	358.5	314.2	225.6
95°	288.9	184.6	80.4	184.6	288.9	315.0	559.3	885.0	1047.9	935.1	709.4
97.5°	322.9	231.0	139.0	231.0	322.9	345.9	753.3	1296.5	1568.0	1496.8	1354.2
100°	351.1	267.7	184.3	267.7	351.1	371.9	824.0	1426.7	1728.0	1733.2	1743.7
102.5°	378.4	300.6	222.8	300.6	378.4	397.9	856.4	1467.6	1773.3	1864.0	2045.7
105°	419.9	354.0	288.1	354.0	419.9	436.4	880.4	1472.3	1768.2	1971.8	2379.1
107.5°	478.0	416.6	355.2	416.6	478.0	493.3	884.7	1406.7	1667.7	1951.8	2519.9
110°	511.3	455.9	400.4	455.9	511.3	525.2	878.1	1348.6	1583.9	1901.5	2536.6



TEST NUMBER: P935962

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	550.4	497.6	444.8	497.6	550.4	563.7	878.4	1297.9	1507.7	1832.7	2482.7
115°	609.3	560.6	511.8	560.6	609.3	621.5	886.4	1239.7	1416.4	1729.5	2355.7
117.5°	666.6	622.2	577.9	622.2	666.6	677.7	903.0	1203.4	1353.6	1636.2	2201.2
120°	700.0	658.2	616.5	658.2	700.0	710.3	916.4	1191.1	1328.5	1586.7	2103.0
122.5°	738.4	696.3	654.2	696.3	738.4	748.8	935.6	1184.7	1309.2	1541.7	2006.7
125°	788.7	750.3	712.0	750.3	788.7	798.3	961.6	1179.4	1288.3	1485.8	1880.7
127.5°	836.3	797.5	758.9	797.5	836.3	846.0	987.5	1176.3	1270.6	1440.2	1779.3
130°	867.5	825.7	784.0	825.7	867.5	877.9	1006.6	1178.2	1264.0	1415.0	1716.9
132.5°	893.4	851.7	810.0	851.7	893.4	903.8	1021.9	1179.4	1258.1	1393.2	1663.5
135°	924.5	886.4	848.5	886.4	924.5	934.0	1038.7	1178.2	1248.1	1361.2	1587.6
137.5°	963.1	925.5	887.9	925.5	963.1	972.5	1063.8	1185.5	1246.4	1342.1	1533.4
140°	989.8	955.2	920.6	955.2	989.8	998.5	1079.1	1186.7	1240.5	1323.2	1488.5
142.5°	1009.7	977.7	945.6	977.7	1009.7	1017.7	1092.0	1191.0	1240.5	1313.2	1458.3
145°	1040.1	1012.2	984.2	1012.2	1040.1	1047.1	1108.8	1191.0	1232.1	1291.5	1410.3
147.5°	1077.1	1049.9	1022.7	1049.9	1077.1	1083.9	1133.3	1199.2	1232.1	1278.9	1372.2
150°	1096.9	1072.4	1047.9	1072.4	1096.9	1103.1	1146.1	1203.5	1232.1	1271.6	1350.5
152.5°	1111.1	1092.5	1073.8	1092.5	1111.1	1115.7	1154.5	1206.3	1232.1	1265.8	1333.2
155°	1139.9	1126.1	1112.3	1126.1	1139.9	1143.3	1172.9	1212.4	1232.1	1258.9	1312.5
157.5°	1167.7	1154.2	1140.8	1154.2	1167.7	1171.0	1191.4	1218.5	1232.1	1253.0	1294.7
160°	1180.9	1170.5	1160.1	1170.5	1180.9	1183.5	1199.7	1221.3	1232.1	1250.0	1285.8
162.5°	1195.0	1187.2	1179.4	1187.2	1195.0	1196.9	1208.7	1224.3	1232.1	1247.2	1277.3
165°	1214.4	1207.4	1200.3	1207.4	1214.4	1216.2	1221.5	1228.5	1232.1	1243.0	1264.5
167.5°	1226.3	1222.9	1219.6	1222.9	1226.3	1227.1	1231.6	1237.6	1240.5	1247.6	1261.8
170°	1238.8	1235.4	1232.1	1235.4	1238.8	1239.6	1239.9	1240.4	1240.5	1247.6	1261.8
172.5°	1240.4	1239.6	1238.8	1239.6	1240.4	1240.5	1240.5	1240.5	1240.5	1246.1	1257.3
175°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1245.6	1242.2	1240.5	1244.0	1251.1
177.5°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1246.1	1243.5	1242.2	1244.9	1250.6
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P935962

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1369.8	1365.8	1371.2	1356.4	1371.2	1365.8	1369.8	1379.2	1371.2	1376.5	1381.9
5°	1202.0	1195.2	1173.8	1156.3	1173.8	1195.2	1202.0	1230.2	1243.6	1267.8	1300.0
7.5°	1074.4	1069.0	1063.6	1052.9	1063.6	1069.0	1074.4	1082.4	1095.9	1117.3	1141.5
10°	1046.2	1047.5	1055.6	1054.2	1055.6	1047.5	1046.2	1043.5	1039.5	1043.5	1058.3
12.5°	1118.7	1130.8	1175.1	1172.4	1175.1	1130.8	1118.7	1065.0	1028.7	1022.0	1024.7
15°	1202.0	1206.0	1215.4	1216.7	1215.4	1206.0	1202.0	1180.5	1071.7	1024.7	1009.9
17.5°	1210.0	1211.4	1218.1	1218.1	1218.1	1211.4	1210.0	1200.6	1164.4	1101.2	1018.0
20°	1203.3	1206.0	1219.4	1222.1	1219.4	1206.0	1203.3	1191.2	1171.1	1148.2	1085.1
22.5°	1200.6	1206.0	1216.7	1215.4	1216.7	1206.0	1200.6	1181.8	1164.4	1148.2	1122.7
25°	1187.2	1187.2	1188.5	1189.9	1188.5	1187.2	1187.2	1172.4	1137.5	1133.5	1118.7
27.5°	1159.0	1161.7	1169.7	1168.4	1169.7	1161.7	1159.0	1153.6	1116.0	1112.0	1101.2
30°	1133.5	1130.8	1124.1	1118.7	1124.1	1130.8	1133.5	1125.4	1087.8	1077.1	1079.7
32.5°	1090.5	1083.8	1077.1	1073.0	1077.1	1083.8	1090.5	1087.8	1059.6	1044.8	1047.5
35°	1039.5	1040.8	1039.5	1035.4	1039.5	1040.8	1039.5	1042.1	1024.7	1011.3	1009.9
37.5°	1003.2	1005.9	1004.5	999.2	1004.5	1005.9	1003.2	1000.5	976.3	972.3	975.0
40°	965.6	966.9	965.6	961.6	965.6	966.9	965.6	960.2	926.6	928.0	937.4
42.5°	929.3	928.0	924.0	921.3	924.0	928.0	929.3	921.3	878.3	874.3	891.7
45°	887.7	889.0	881.0	877.0	881.0	889.0	887.7	882.3	838.0	827.3	839.4
47.5°	846.1	846.1	839.4	835.3	839.4	846.1	846.1	839.4	792.4	781.6	788.3
50°	801.8	800.4	791.0	789.7	791.0	800.4	801.8	797.7	748.0	738.6	738.6
52.5°	750.7	750.7	752.1	754.7	752.1	750.7	750.7	752.1	707.7	698.3	695.7
55°	706.4	707.7	717.1	719.8	717.1	707.7	706.4	706.4	666.1	656.7	651.3
57.5°	660.7	660.7	667.5	667.5	667.5	660.7	660.7	658.1	619.1	611.1	608.4
60°	608.4	611.1	616.4	615.1	616.4	611.1	608.4	605.7	572.1	566.7	557.3
62.5°	553.3	556.0	557.3	554.6	557.3	556.0	553.3	545.2	525.1	521.1	509.0
65°	495.6	498.2	499.6	496.9	499.6	498.2	495.6	491.5	476.8	470.0	459.3
67.5°	436.5	435.1	433.8	439.2	433.8	435.1	436.5	431.1	421.7	416.3	401.5
70°	376.0	376.0	374.7	377.4	374.7	376.0	376.0	372.0	366.6	362.6	349.2
72.5°	311.6	310.2	315.6	311.6	315.6	310.2	311.6	310.2	307.5	303.5	290.1
75°	248.4	251.1	248.4	252.5	248.4	251.1	248.4	249.8	248.4	245.8	236.4
77.5°	189.4	192.0	189.4	189.4	189.4	192.0	189.4	190.7	190.7	190.7	182.6
80°	134.3	133.0	133.0	131.6	133.0	133.0	134.3	134.3	135.6	133.0	130.3
82.5°	85.9	84.6	84.6	87.3	84.6	84.6	85.9	87.3	84.6	84.6	84.6
85°	47.0	48.3	45.7	45.7	45.7	48.3	47.0	44.3	47.0	47.0	45.7
87.5°	17.5	16.1	16.1	16.1	16.1	16.1	17.5	18.8	18.8	18.8	20.1
90°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	42.4	56.6	63.7	54.7
92.5°	159.2	152.8	127.5	102.2	127.5	152.8	159.2	225.6	314.2	358.5	314.8
95°	540.2	521.1	444.3	367.7	444.3	521.1	540.2	709.4	935.1	1047.9	885.0
97.5°	1247.3	1210.7	1064.8	918.9	1064.8	1210.7	1247.3	1354.2	1496.8	1568.0	1296.5
100°	1751.5	1708.1	1534.2	1360.3	1534.2	1708.1	1751.5	1743.7	1733.2	1728.0	1426.7
102.5°	2182.0	2144.7	1995.8	1846.9	1995.8	2144.7	2182.0	2045.7	1864.0	1773.3	1467.6
105°	2684.6	2664.5	2584.5	2504.5	2584.5	2664.5	2684.6	2379.1	1971.8	1768.2	1472.3
107.5°	2945.9	2950.8	2970.1	2989.4	2970.1	2950.8	2945.9	2519.9	1951.8	1667.7	1406.7
110°	3012.9	3033.8	3117.1	3200.6	3117.1	3033.8	3012.9	2536.6	1901.5	1583.9	1348.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2970.2	3002.2	3130.3	3258.3	3130.3	3002.2	2970.2	2482.7	1832.7	1507.7	1297.9
115°	2825.2	2869.7	3047.2	3224.8	3047.2	2869.7	2825.2	2355.7	1729.5	1416.4	1239.7
117.5°	2625.1	2674.3	2871.3	3068.2	2871.3	2674.3	2625.1	2201.2	1636.2	1353.6	1203.4
120°	2490.2	2538.0	2729.4	2920.8	2729.4	2538.0	2490.2	2103.0	1586.7	1328.5	1191.1
122.5°	2355.4	2402.6	2591.3	2780.0	2591.3	2402.6	2355.4	2006.7	1541.7	1309.2	1184.7
125°	2177.0	2220.4	2394.2	2568.1	2394.2	2220.4	2177.0	1880.7	1485.8	1288.3	1179.4
127.5°	2033.7	2070.4	2217.1	2363.8	2217.1	2070.4	2033.7	1779.3	1440.2	1270.6	1176.3
130°	1943.3	1977.1	2112.7	2248.1	2112.7	1977.1	1943.3	1716.9	1415.0	1264.0	1178.2
132.5°	1866.2	1896.5	2017.9	2139.3	2017.9	1896.5	1866.2	1663.5	1393.2	1258.1	1179.4
135°	1757.3	1783.5	1888.1	1992.7	1888.1	1783.5	1757.3	1587.6	1361.2	1248.1	1178.2
137.5°	1676.9	1698.3	1784.0	1869.6	1784.0	1698.3	1676.9	1533.4	1342.1	1246.4	1185.5
140°	1612.5	1632.4	1712.5	1792.5	1712.5	1632.4	1612.5	1488.5	1323.2	1240.5	1186.7
142.5°	1567.2	1584.3	1653.3	1722.1	1653.3	1584.3	1567.2	1458.3	1313.2	1240.5	1191.0
145°	1499.4	1512.4	1564.5	1616.6	1564.5	1512.4	1499.4	1410.3	1291.5	1232.1	1191.0
147.5°	1442.3	1453.2	1496.3	1539.6	1496.3	1453.2	1442.3	1372.2	1278.9	1232.1	1199.2
150°	1409.7	1418.4	1453.4	1488.5	1453.4	1418.4	1409.7	1350.5	1271.6	1232.1	1203.5
152.5°	1383.7	1390.3	1416.7	1443.2	1416.7	1390.3	1383.7	1333.2	1265.8	1232.1	1206.3
155°	1352.7	1357.1	1374.6	1392.1	1374.6	1357.1	1352.7	1312.5	1258.9	1232.1	1212.4
157.5°	1326.0	1329.0	1341.4	1353.6	1341.4	1329.0	1326.0	1294.7	1253.0	1232.1	1218.5
160°	1312.5	1314.3	1321.4	1328.5	1321.4	1314.3	1312.5	1285.8	1250.0	1232.1	1221.3
162.5°	1300.0	1301.7	1308.3	1315.0	1308.3	1301.7	1300.0	1277.3	1247.2	1232.1	1224.3
165°	1280.7	1282.5	1289.5	1296.6	1289.5	1282.5	1280.7	1264.5	1243.0	1232.1	1228.5
167.5°	1272.3	1273.0	1276.1	1279.0	1276.1	1273.0	1272.3	1261.8	1247.6	1240.5	1237.6
170°	1272.3	1272.3	1272.3	1272.3	1272.3	1272.3	1272.3	1261.8	1247.6	1240.5	1240.4
172.5°	1265.6	1265.0	1262.4	1259.8	1262.4	1265.0	1265.6	1257.3	1246.1	1240.5	1240.5
175°	1256.4	1256.4	1256.4	1256.4	1256.4	1256.4	1256.4	1251.1	1244.0	1240.5	1242.2
177.5°	1254.8	1254.1	1251.0	1248.1	1251.0	1254.1	1254.8	1250.6	1244.9	1242.2	1243.5
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1402.1	1408.8	1412.8	1418.2	1431.6
5°	1348.3	1373.9	1381.9	1402.1	1426.2
7.5°	1230.2	1308.1	1329.5	1377.9	1415.5
10°	1116.0	1193.9	1231.5	1345.7	1402.1
12.5°	1058.3	1103.9	1129.4	1289.2	1383.3
15°	1022.0	1054.2	1073.0	1214.0	1361.8
17.5°	993.8	1016.6	1030.1	1140.2	1332.2
20°	976.3	987.1	999.2	1086.5	1298.7
22.5°	964.3	957.5	966.9	1048.9	1253.0
25°	956.2	930.7	941.4	1019.3	1199.3
27.5°	962.9	906.5	910.5	992.5	1142.9
30°	964.3	877.0	878.3	964.3	1079.7
32.5°	954.9	846.1	847.4	929.3	1008.6
35°	932.0	809.8	808.5	889.0	911.9
37.5°	901.1	770.9	770.9	844.7	805.8
40°	863.5	731.9	735.9	787.0	711.8
42.5°	817.9	690.3	695.7	710.4	641.9
45°	768.2	650.0	654.0	600.3	588.2
47.5°	713.1	608.4	609.7	498.2	570.8
50°	647.3	565.4	560.0	427.1	569.4
52.5°	589.6	518.4	502.3	386.8	517.0
55°	533.2	468.7	433.8	355.9	479.4
57.5°	483.5	404.2	370.7	319.6	471.4
60°	437.8	341.1	315.6	280.7	432.4
62.5°	400.2	294.1	288.7	253.8	392.1
65°	359.9	261.9	260.5	231.0	333.1
67.5°	321.0	240.4	239.0	209.5	253.8
70°	279.3	217.6	214.9	186.7	188.0
72.5°	236.4	192.0	189.4	167.9	155.8
75°	193.4	162.5	161.2	146.4	126.2
77.5°	151.8	128.9	131.6	118.2	92.7
80°	108.8	94.0	96.7	84.6	69.8
82.5°	72.5	61.8	64.5	53.7	47.0
85°	40.3	34.9	36.3	28.2	21.5
87.5°	18.8	16.1	16.1	10.7	6.7
90°	36.9	23.5	21.8	15.1	8.4
92.5°	227.3	161.7	147.5	90.4	33.5
95°	559.3	315.0	288.9	184.6	80.4
97.5°	753.3	345.9	322.9	231.0	139.0
100°	824.0	371.9	351.1	267.7	184.3
102.5°	856.4	397.9	378.4	300.6	222.8
105°	880.4	436.4	419.9	354.0	288.1
107.5°	884.7	493.3	478.0	416.6	355.2
110°	878.1	525.2	511.3	455.9	400.4



TEST NUMBER: P935962

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	878.4	563.7	550.4	497.6	444.8
115°	886.4	621.5	609.3	560.6	511.8
117.5°	903.0	677.7	666.6	622.2	577.9
120°	916.4	710.3	700.0	658.2	616.5
122.5°	935.6	748.8	738.4	696.3	654.2
125°	961.6	798.3	788.7	750.3	712.0
127.5°	987.5	846.0	836.3	797.5	758.9
130°	1006.6	877.9	867.5	825.7	784.0
132.5°	1021.9	903.8	893.4	851.7	810.0
135°	1038.7	934.0	924.5	886.4	848.5
137.5°	1063.8	972.5	963.1	925.5	887.9
140°	1079.1	998.5	989.8	955.2	920.6
142.5°	1092.0	1017.7	1009.7	977.7	945.6
145°	1108.8	1047.1	1040.1	1012.2	984.2
147.5°	1133.3	1083.9	1077.1	1049.9	1022.7
150°	1146.1	1103.1	1096.9	1072.4	1047.9
152.5°	1154.5	1115.7	1111.1	1092.5	1073.8
155°	1172.9	1143.3	1139.9	1126.1	1112.3
157.5°	1191.4	1171.0	1167.7	1154.2	1140.8
160°	1199.7	1183.5	1180.9	1170.5	1160.1
162.5°	1208.7	1196.9	1195.0	1187.2	1179.4
165°	1221.5	1216.2	1214.4	1207.4	1200.3
167.5°	1231.6	1227.1	1226.3	1222.9	1219.6
170°	1239.9	1239.6	1238.8	1235.4	1232.1
172.5°	1240.5	1240.5	1240.4	1239.6	1238.8
175°	1245.6	1248.1	1248.1	1248.1	1248.1
177.5°	1246.1	1248.1	1248.1	1248.1	1248.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P935962

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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	10.31	11.03	11.41	12.13	13.64	13.14	13.85	14.24	14.95	16.46
	3H	10.78	11.42	11.89	12.52	14.06	14.47	15.11	15.58	16.22	17.75
	4H	10.96	11.57	12.08	12.68	14.22	14.90	15.51	16.03	16.62	18.16
	6H	11.07	11.63	12.20	12.74	14.29	15.18	15.74	16.31	16.85	18.40
	8H	11.07	11.60	12.20	12.73	14.27	15.25	15.78	16.38	16.91	18.45
	12H	11.04	11.54	12.17	12.66	14.23	15.28	15.79	16.42	16.91	18.47
4H	2H	11.32	11.93	12.45	13.04	14.58	13.53	14.13	14.66	15.24	16.78
	3H	12.34	12.84	13.47	13.98	15.53	15.02	15.52	16.15	16.66	18.21
	4H	12.61	13.07	13.75	14.20	15.77	15.54	16.00	16.68	17.13	18.70
	6H	12.72	13.12	13.87	14.27	15.83	15.89	16.29	17.04	17.44	19.00
	8H	12.73	13.10	13.87	14.24	15.82	15.99	16.37	17.14	17.51	19.08
	12H	12.69	13.02	13.85	14.17	15.76	16.04	16.38	17.20	17.53	19.11
8H	4H	13.05	13.42	14.19	14.56	16.14	15.65	16.02	16.79	17.16	18.74
	6H	13.30	13.61	14.47	14.79	16.37	16.08	16.39	17.24	17.57	19.14
	8H	13.34	13.61	14.52	14.77	16.37	16.23	16.50	17.40	17.66	19.25
	12H	13.32	13.56	14.50	14.71	16.34	16.32	16.55	17.49	17.71	19.34
12H	4H	13.05	13.38	14.21	14.53	16.12	15.61	15.94	16.77	17.10	18.68
	6H	13.36	13.63	14.53	14.79	16.39	16.07	16.34	17.25	17.50	19.10
	8H	13.42	13.66	14.60	14.82	16.44	16.23	16.46	17.40	17.62	19.25