

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: P935963

Luminaire Tested: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935963
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-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

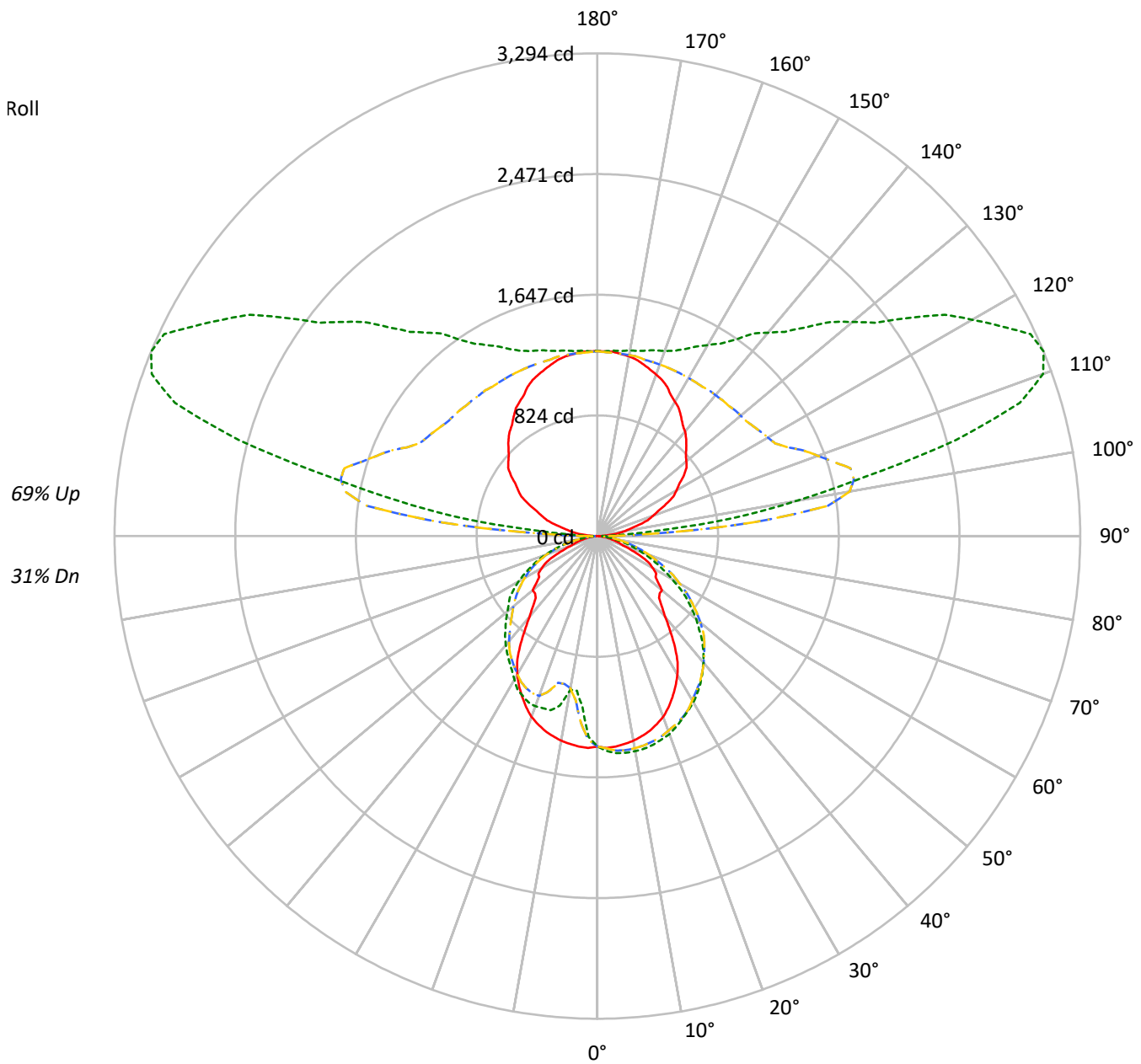
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11905.5 lumens
Efficiency: N/A
Efficacy: 124.8 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 (A_{in}): 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°	8878	8878	8878	8878
5°	8941	8962	8941	7047
10°	8878	8828	8878	6311
15°	8778	8636	8778	7212
20°	8591	8410	8591	7227
25°	8212	8079	8212	7074
30°	7723	7805	7723	6738
35°	6882	7458	6882	6368
40°	5731	7050	5731	6088
45°	5117	6572	5117	5768
50°	5433	6001	5433	5446
55°	5106	5387	5106	5259
60°	5257	4575	5257	4816
65°	4758	3782	4758	4228
70°	3288	3014	3288	3543
75°	2871	2228	2871	2668
80°	2298	1473	2298	1604
85°	1294	780	1294	664

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7848 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	1.1
10°-20°	367.8	3.1
20°-30°	568.6	4.8
30°-40°	678.8	5.7
40°-50°	682.7	5.7
50°-60°	594.1	5.0
60°-70°	421.2	3.5
70°-80°	222.8	1.9
80°-90°	60.3	0.5
90°-100°	615.1	5.2
100°-110°	1617.0	13.6
110°-120°	1676.7	14.1
120°-130°	1344.9	11.3
130°-140°	1055.3	8.9
140°-150°	810.0	6.8
150°-160°	583.3	4.9
160°-170°	356.9	3.0
170°-180°	120.6	1.0
0°-30°	1065.9	9.0
0°-40°	1744.7	14.7
0°-60°	3021.5	25.4
0°-90°	3725.9	31.3
90°-120°	3908.8	32.8
90°-150°	7118.9	59.8
90°-180°	8180.0	68.7
0°-180°	11905.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1435	1435	1435	1435	1435	
5°	1442	1487	1442	1169	1442	137
15°	1377	1473	1377	1230	1377	387
25°	1212	1374	1212	1203	1212	557
35°	922	1226	922	1047	922	570
45°	595	1010	595	887	595	476
55°	485	745	485	728	485	445
65°	337	449	337	502	337	322
75°	128	213	128	255	128	134
85°	22	54	22	46	22	29
90°	8	32	8	32	8	8
95°	81	372	81	372	81	90
105°	291	2532	291	2532	291	309
115°	517	3260	517	3260	517	511
125°	720	2596	720	2596	720	639
135°	858	2015	858	2015	858	664
145°	995	1634	995	1634	995	623
155°	1125	1407	1125	1407	1125	517
165°	1214	1311	1214	1311	1214	342
175°	1262	1270	1262	1270	1262	120
180°	1262	1262	1262	1262	1262	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1447.4	1447.4	1455.5	1458.2	1458.2	1454.1	1450.1	1454.1	1466.4	1470.4	1469.1
5°	1441.9	1452.8	1467.7	1470.4	1473.1	1471.8	1469.1	1471.8	1485.4	1488.1	1489.4
7.5°	1431.1	1451.4	1470.4	1474.5	1478.6	1474.5	1473.1	1475.9	1489.4	1492.2	1492.2
10°	1417.5	1446.0	1467.7	1470.4	1474.5	1470.4	1470.4	1475.9	1489.4	1492.2	1493.5
12.5°	1398.5	1437.8	1458.2	1460.9	1466.4	1465.0	1463.6	1469.1	1482.7	1485.4	1485.4
15°	1376.7	1422.9	1441.9	1444.6	1454.1	1451.4	1451.4	1456.9	1471.8	1475.9	1474.5
17.5°	1346.9	1403.9	1425.6	1429.7	1436.5	1435.1	1436.5	1441.9	1455.5	1458.2	1459.6
20°	1312.9	1378.1	1403.9	1408.0	1414.8	1414.8	1414.8	1421.6	1435.1	1440.6	1440.6
22.5°	1266.8	1351.0	1378.1	1380.8	1389.0	1389.0	1391.7	1401.2	1413.4	1414.8	1414.8
25°	1212.5	1321.1	1344.2	1352.3	1360.5	1364.5	1368.6	1374.0	1378.1	1376.7	1378.1
27.5°	1155.4	1283.1	1312.9	1318.4	1329.2	1333.3	1338.7	1340.1	1341.4	1345.5	1342.8
30°	1091.6	1230.1	1274.9	1280.4	1298.0	1300.7	1295.3	1298.0	1304.8	1307.5	1310.2
32.5°	1019.7	1151.4	1235.5	1247.8	1264.1	1255.9	1254.6	1258.6	1269.5	1269.5	1272.2
35°	921.9	1090.3	1198.9	1209.7	1222.0	1212.5	1217.9	1219.3	1226.0	1230.1	1228.8
37.5°	814.6	1037.3	1160.9	1169.0	1178.5	1166.3	1174.4	1178.5	1184.0	1181.2	1181.2
40°	719.6	954.5	1116.1	1121.5	1129.6	1120.1	1128.3	1131.0	1133.7	1131.0	1129.6
42.5°	649.0	863.5	1068.5	1075.3	1069.9	1076.7	1079.4	1084.8	1080.8	1075.3	1075.3
45°	594.7	839.1	1016.9	1025.1	1016.9	1027.8	1031.9	1031.9	1019.7	1016.9	1015.6
47.5°	577.0	790.2	965.4	965.4	961.3	974.9	981.6	972.1	959.9	955.9	955.9
50°	575.7	735.9	894.8	889.3	908.3	924.6	917.8	908.3	898.8	883.9	883.9
52.5°	522.7	669.4	803.8	824.1	854.0	863.5	852.7	843.2	826.9	820.1	814.6
55°	484.7	600.1	721.0	761.7	792.9	805.1	784.8	775.3	750.8	746.8	744.0
57.5°	476.6	499.6	644.9	696.5	734.5	733.2	721.0	703.3	682.9	678.9	677.5
60°	437.2	361.2	563.5	624.6	663.9	659.9	649.0	632.7	613.7	611.0	608.3
62.5°	396.5	262.0	471.1	540.4	596.0	594.7	585.2	560.7	547.2	540.4	535.0
65°	336.7	220.0	335.4	449.4	529.5	532.2	511.9	494.2	479.3	471.1	469.8
67.5°	256.6	179.2	226.7	374.7	465.7	463.0	437.2	429.0	410.0	406.0	397.8
70°	190.1	119.5	157.5	304.1	403.2	396.5	376.1	366.6	348.9	339.4	334.0
72.5°	157.5	96.4	115.4	236.2	339.4	331.3	313.6	302.8	287.8	279.7	274.3
75°	127.6	101.8	88.3	175.1	275.6	270.2	253.9	243.0	230.8	220.0	221.3
77.5°	93.7	95.0	70.6	129.0	218.6	210.4	200.9	187.4	181.9	171.1	171.1
80°	70.6	74.7	53.0	88.3	157.5	157.5	149.4	139.8	130.3	124.9	124.9
82.5°	47.5	47.5	39.4	55.7	107.3	103.2	97.8	95.0	89.6	86.9	86.9
85°	21.7	27.2	24.4	33.9	58.4	61.1	61.1	58.4	57.0	54.3	55.7
87.5°	6.8	12.2	14.9	19.0	29.9	31.2	32.6	32.6	32.6	33.9	33.9
90°	8.5	15.3	22.0	23.7	37.3	55.3	64.4	57.2	42.9	32.2	32.2
92.5°	33.9	91.4	149.1	163.5	229.8	318.3	362.4	317.6	228.1	160.9	154.5
95°	81.3	186.6	292.1	318.4	565.5	894.8	1059.4	945.4	717.2	546.2	526.8
97.5°	140.6	233.5	326.5	349.8	761.6	1310.8	1585.3	1513.2	1369.1	1261.0	1224.0
100°	186.3	270.6	354.9	376.0	833.0	1442.4	1747.1	1752.3	1762.9	1770.8	1726.9
102.5°	225.3	304.0	382.6	402.3	865.8	1483.7	1792.8	1884.5	2068.2	2206.0	2168.3
105°	291.3	357.9	424.5	441.2	890.0	1488.4	1787.7	1993.5	2405.3	2714.1	2693.8
107.5°	359.1	421.2	483.3	498.7	894.5	1422.2	1686.0	1973.3	2547.6	2978.3	2983.2
110°	404.8	460.9	516.9	531.0	887.8	1363.4	1601.3	1922.4	2564.5	3046.0	3067.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	449.7	503.1	556.5	569.9	888.1	1312.2	1524.3	1852.9	2510.0	3002.9	3035.3
115°	517.4	566.7	616.1	628.4	896.2	1253.4	1432.0	1748.5	2381.6	2856.3	2901.2
117.5°	584.3	629.1	673.9	685.1	912.9	1216.6	1368.5	1654.2	2225.4	2653.9	2703.7
120°	623.3	665.5	707.7	718.2	926.4	1204.2	1343.1	1604.1	2126.1	2517.6	2566.0
122.5°	661.4	703.9	746.5	757.1	945.9	1197.7	1323.6	1558.7	2028.7	2381.3	2429.0
125°	719.8	758.5	797.4	807.0	972.1	1192.4	1302.4	1502.1	1901.4	2200.9	2244.8
127.5°	767.2	806.3	845.5	855.3	998.4	1189.2	1284.6	1456.0	1798.9	2056.1	2093.2
130°	792.6	834.8	877.0	887.5	1017.7	1191.2	1277.9	1430.5	1735.7	1964.7	1998.9
132.5°	818.9	861.1	903.3	913.8	1033.2	1192.4	1271.9	1408.5	1681.8	1886.7	1917.4
135°	857.8	896.2	934.7	944.3	1050.1	1191.2	1261.8	1376.2	1605.0	1776.7	1803.1
137.5°	897.6	935.7	973.7	983.2	1075.5	1198.5	1260.1	1356.8	1550.3	1695.4	1717.0
140°	930.7	965.7	1000.7	1009.4	1091.0	1199.8	1254.2	1337.7	1504.8	1630.2	1650.4
142.5°	956.0	988.4	1020.8	1028.9	1104.0	1204.1	1254.2	1327.6	1474.3	1584.4	1601.8
145°	995.0	1023.3	1051.5	1058.6	1121.0	1204.1	1245.7	1305.7	1425.8	1515.9	1529.0
147.5°	1034.0	1061.5	1088.9	1095.8	1145.8	1212.4	1245.7	1292.9	1387.3	1458.2	1469.2
150°	1059.4	1084.2	1109.0	1115.2	1158.7	1216.7	1245.7	1285.6	1365.3	1425.2	1434.0
152.5°	1085.7	1104.5	1123.3	1128.0	1167.2	1219.5	1245.7	1279.7	1347.9	1398.9	1405.6
155°	1124.6	1138.5	1152.5	1155.9	1185.9	1225.8	1245.7	1272.7	1327.0	1367.6	1372.0
157.5°	1153.4	1166.9	1180.5	1183.9	1204.5	1231.9	1245.7	1266.8	1309.0	1340.5	1343.6
160°	1172.9	1183.4	1193.9	1196.5	1212.9	1234.7	1245.7	1263.8	1299.9	1327.0	1328.8
162.5°	1192.4	1200.2	1208.1	1210.1	1222.0	1237.8	1245.7	1260.9	1291.4	1314.3	1316.0
165°	1213.5	1220.7	1227.8	1229.6	1234.9	1242.1	1245.7	1256.6	1278.4	1294.8	1296.6
167.5°	1233.0	1236.4	1239.8	1240.6	1245.1	1251.2	1254.2	1261.3	1275.6	1286.3	1287.0
170°	1245.7	1249.0	1252.5	1253.3	1253.6	1254.0	1254.2	1261.3	1275.6	1286.3	1286.3
172.5°	1252.5	1253.2	1254.0	1254.2	1254.2	1254.2	1254.2	1259.8	1271.1	1279.5	1278.9
175°	1261.8	1261.8	1261.8	1261.8	1259.3	1255.9	1254.2	1257.7	1264.9	1270.2	1270.2
177.5°	1261.8	1261.8	1261.8	1261.8	1259.8	1257.2	1255.8	1258.6	1264.3	1268.6	1267.9
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1471.8	1467.7	1471.8	1469.1	1470.4	1466.4	1454.1	1450.1	1454.1	1458.2	1458.2
5°	1489.4	1486.7	1489.4	1489.4	1488.1	1485.4	1471.8	1469.1	1471.8	1473.1	1470.4
7.5°	1494.9	1490.8	1494.9	1492.2	1492.2	1489.4	1475.9	1473.1	1474.5	1478.6	1474.5
10°	1494.9	1490.8	1494.9	1493.5	1492.2	1489.4	1475.9	1470.4	1470.4	1474.5	1470.4
12.5°	1488.1	1485.4	1488.1	1485.4	1485.4	1482.7	1469.1	1463.6	1465.0	1466.4	1460.9
15°	1477.2	1473.1	1477.2	1474.5	1475.9	1471.8	1456.9	1451.4	1451.4	1454.1	1444.6
17.5°	1460.9	1455.5	1460.9	1459.6	1458.2	1455.5	1441.9	1436.5	1435.1	1436.5	1429.7
20°	1441.9	1437.8	1441.9	1440.6	1440.6	1435.1	1421.6	1414.8	1414.8	1414.8	1408.0
22.5°	1412.1	1408.0	1412.1	1414.8	1414.8	1413.4	1401.2	1391.7	1389.0	1389.0	1380.8
25°	1378.1	1374.0	1378.1	1378.1	1376.7	1378.1	1374.0	1368.6	1364.5	1360.5	1352.3
27.5°	1345.5	1342.8	1345.5	1342.8	1345.5	1341.4	1340.1	1338.7	1333.3	1329.2	1318.4
30°	1312.9	1310.2	1312.9	1310.2	1307.5	1304.8	1298.0	1295.3	1300.7	1298.0	1280.4
32.5°	1272.2	1269.5	1272.2	1272.2	1269.5	1269.5	1258.6	1254.6	1255.9	1264.1	1247.8
35°	1230.1	1226.0	1230.1	1228.8	1230.1	1226.0	1219.3	1217.9	1212.5	1222.0	1209.7
37.5°	1181.2	1177.2	1181.2	1181.2	1181.2	1184.0	1178.5	1174.4	1166.3	1178.5	1169.0
40°	1131.0	1125.6	1131.0	1129.6	1131.0	1133.7	1131.0	1128.3	1120.1	1129.6	1121.5
42.5°	1074.0	1072.6	1074.0	1075.3	1075.3	1080.8	1084.8	1079.4	1076.7	1069.9	1075.3
45°	1012.9	1010.2	1012.9	1015.6	1016.9	1019.7	1031.9	1031.9	1027.8	1016.9	1025.1
47.5°	947.7	940.9	947.7	955.9	955.9	959.9	972.1	981.6	974.9	961.3	965.4
50°	878.5	879.8	878.5	883.9	883.9	898.8	908.3	917.8	924.6	908.3	889.3
52.5°	810.6	809.2	810.6	814.6	820.1	826.9	843.2	852.7	863.5	854.0	824.1
55°	742.7	745.4	742.7	744.0	746.8	750.8	775.3	784.8	805.1	792.9	761.7
57.5°	674.8	670.7	674.8	677.5	678.9	682.9	703.3	721.0	733.2	734.5	696.5
60°	596.0	590.6	596.0	608.3	611.0	613.7	632.7	649.0	659.9	663.9	624.6
62.5°	526.8	517.3	526.8	535.0	540.4	547.2	560.7	585.2	594.7	596.0	540.4
65°	453.5	449.4	453.5	469.8	471.1	479.3	494.2	511.9	532.2	529.5	449.4
67.5°	387.0	387.0	387.0	397.8	406.0	410.0	429.0	437.2	463.0	465.7	374.7
70°	325.9	324.5	325.9	334.0	339.4	348.9	366.6	376.1	396.5	403.2	304.1
72.5°	267.5	266.1	267.5	274.3	279.7	287.8	302.8	313.6	331.3	339.4	236.2
75°	215.9	213.2	215.9	221.3	220.0	230.8	243.0	253.9	270.2	275.6	175.1
77.5°	165.6	165.6	165.6	171.1	171.1	181.9	187.4	200.9	210.4	218.6	129.0
80°	123.6	122.2	123.6	124.9	124.9	130.3	139.8	149.4	157.5	157.5	88.3
82.5°	86.9	84.2	86.9	86.9	86.9	89.6	95.0	97.8	103.2	107.3	55.7
85°	54.3	54.3	54.3	55.7	54.3	57.0	58.4	61.1	61.1	58.4	33.9
87.5°	35.3	33.9	35.3	33.9	33.9	32.6	32.6	32.6	31.2	29.9	19.0
90°	32.2	32.2	32.2	32.2	32.2	42.9	57.2	64.4	55.3	37.3	23.7
92.5°	128.9	103.3	128.9	154.5	160.9	228.1	317.6	362.4	318.3	229.8	163.5
95°	449.2	371.7	449.2	526.8	546.2	717.2	945.4	1059.4	894.8	565.5	318.4
97.5°	1076.5	929.0	1076.5	1224.0	1261.0	1369.1	1513.2	1585.3	1310.8	761.6	349.8
100°	1551.1	1375.3	1551.1	1726.9	1770.8	1762.9	1752.3	1747.1	1442.4	833.0	376.0
102.5°	2017.8	1867.3	2017.8	2168.3	2206.0	2068.2	1884.5	1792.8	1483.7	865.8	402.3
105°	2612.9	2532.0	2612.9	2693.8	2714.1	2405.3	1993.5	1787.7	1488.4	890.0	441.2
107.5°	3002.8	3022.3	3002.8	2983.2	2978.3	2547.6	1973.3	1686.0	1422.2	894.5	498.7
110°	3151.4	3235.8	3151.4	3067.1	3046.0	2564.5	1922.4	1601.3	1363.4	887.8	531.0



TEST NUMBER: P935963

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3164.7	3294.2	3164.7	3035.3	3002.9	2510.0	1852.9	1524.3	1312.2	888.1	569.9
115°	3080.7	3260.3	3080.7	2901.2	2856.3	2381.6	1748.5	1432.0	1253.4	896.2	628.4
117.5°	2902.9	3102.0	2902.9	2703.7	2653.9	2225.4	1654.2	1368.5	1216.6	912.9	685.1
120°	2759.5	2952.9	2759.5	2566.0	2517.6	2126.1	1604.1	1343.1	1204.2	926.4	718.2
122.5°	2619.8	2810.6	2619.8	2429.0	2381.3	2028.7	1558.7	1323.6	1197.7	945.9	757.1
125°	2420.6	2596.4	2420.6	2244.8	2200.9	1901.4	1502.1	1302.4	1192.4	972.1	807.0
127.5°	2241.5	2389.8	2241.5	2093.2	2056.1	1798.9	1456.0	1284.6	1189.2	998.4	855.3
130°	2135.9	2272.9	2135.9	1998.9	1964.7	1735.7	1430.5	1277.9	1191.2	1017.7	887.5
132.5°	2040.1	2162.8	2040.1	1917.4	1886.7	1681.8	1408.5	1271.9	1192.4	1033.2	913.8
135°	1908.9	2014.6	1908.9	1803.1	1776.7	1605.0	1376.2	1261.8	1191.2	1050.1	944.3
137.5°	1803.6	1890.2	1803.6	1717.0	1695.4	1550.3	1356.8	1260.1	1198.5	1075.5	983.2
140°	1731.3	1812.2	1731.3	1650.4	1630.2	1504.8	1337.7	1254.2	1199.8	1091.0	1009.4
142.5°	1671.5	1741.1	1671.5	1601.8	1584.4	1474.3	1327.6	1254.2	1204.1	1104.0	1028.9
145°	1581.7	1634.4	1581.7	1529.0	1515.9	1425.8	1305.7	1245.7	1204.1	1121.0	1058.6
147.5°	1512.8	1556.5	1512.8	1469.2	1458.2	1387.3	1292.9	1245.7	1212.4	1145.8	1095.8
150°	1469.4	1504.8	1469.4	1434.0	1425.2	1365.3	1285.6	1245.7	1216.7	1158.7	1115.2
152.5°	1432.3	1459.1	1432.3	1405.6	1398.9	1347.9	1279.7	1245.7	1219.5	1167.2	1128.0
155°	1389.7	1407.4	1389.7	1372.0	1367.6	1327.0	1272.7	1245.7	1225.8	1185.9	1155.9
157.5°	1356.1	1368.5	1356.1	1343.6	1340.5	1309.0	1266.8	1245.7	1231.9	1204.5	1183.9
160°	1335.9	1343.1	1335.9	1328.8	1327.0	1299.9	1263.8	1245.7	1234.7	1212.9	1196.5
162.5°	1322.7	1329.5	1322.7	1316.0	1314.3	1291.4	1260.9	1245.7	1237.8	1222.0	1210.1
165°	1303.7	1310.9	1303.7	1296.6	1294.8	1278.4	1256.6	1245.7	1242.1	1234.9	1229.6
167.5°	1290.1	1293.1	1290.1	1287.0	1286.3	1275.6	1261.3	1254.2	1251.2	1245.1	1240.6
170°	1286.3	1286.3	1286.3	1286.3	1286.3	1275.6	1261.3	1254.2	1254.0	1253.6	1253.3
172.5°	1276.3	1273.7	1276.3	1278.9	1279.5	1271.1	1259.8	1254.2	1254.2	1254.2	1254.2
175°	1270.2	1270.2	1270.2	1270.2	1270.2	1264.9	1257.7	1254.2	1255.9	1259.3	1261.8
177.5°	1264.8	1261.8	1264.8	1267.9	1268.6	1264.3	1258.6	1255.8	1257.2	1259.8	1261.8
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P935963

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1455.5	1447.4	1447.4	1433.8	1428.3	1424.3	1417.5	1397.1	1391.7	1386.3	1394.4
5°	1467.7	1452.8	1441.9	1417.5	1397.1	1389.0	1363.2	1314.3	1281.7	1257.3	1243.7
7.5°	1470.4	1451.4	1431.1	1393.0	1344.2	1322.4	1243.7	1154.1	1129.6	1107.9	1094.3
10°	1467.7	1446.0	1417.5	1360.5	1245.0	1207.0	1128.3	1069.9	1055.0	1050.9	1055.0
12.5°	1458.2	1437.8	1398.5	1303.4	1141.9	1116.1	1069.9	1036.0	1033.2	1040.0	1076.7
15°	1441.9	1422.9	1376.7	1227.4	1084.8	1065.8	1033.2	1021.0	1036.0	1083.5	1193.5
17.5°	1425.6	1403.9	1346.9	1152.7	1041.4	1027.8	1004.7	1029.2	1113.3	1177.2	1213.8
20°	1403.9	1378.1	1312.9	1098.4	1010.2	997.9	987.1	1097.1	1160.9	1184.0	1204.3
22.5°	1378.1	1351.0	1266.8	1060.4	977.6	968.1	974.9	1135.1	1160.9	1177.2	1194.8
25°	1344.2	1321.1	1212.5	1030.5	951.8	940.9	966.7	1131.0	1145.9	1150.0	1185.3
27.5°	1312.9	1283.1	1155.4	1003.4	920.5	916.5	973.5	1113.3	1124.2	1128.3	1166.3
30°	1274.9	1230.1	1091.6	974.9	888.0	886.6	974.9	1091.6	1088.9	1099.8	1137.8
32.5°	1235.5	1151.4	1019.7	939.6	856.7	855.4	965.4	1059.0	1056.3	1071.3	1099.8
35°	1198.9	1090.3	921.9	898.8	817.4	818.7	942.3	1021.0	1022.4	1036.0	1053.6
37.5°	1160.9	1037.3	814.6	854.0	779.3	779.3	911.0	985.7	983.0	987.1	1011.5
40°	1116.1	954.5	719.6	795.6	744.0	740.0	873.0	947.7	938.2	936.8	970.8
42.5°	1068.5	863.5	649.0	718.2	703.3	697.9	826.9	901.5	883.9	888.0	931.4
45°	1016.9	839.1	594.7	606.9	661.2	657.1	776.6	848.6	836.4	847.2	892.0
47.5°	965.4	790.2	577.0	503.7	616.4	615.1	721.0	797.0	790.2	801.1	848.6
50°	894.8	735.9	575.7	431.8	566.2	571.6	654.4	746.8	746.8	756.3	806.5
52.5°	803.8	669.4	522.7	391.0	507.8	524.1	596.0	703.3	706.0	715.5	760.3
55°	721.0	600.1	484.7	359.8	438.6	473.9	539.0	658.5	663.9	673.4	714.2
57.5°	644.9	499.6	476.6	323.1	374.7	408.7	488.8	615.1	617.8	625.9	665.3
60°	563.5	361.2	437.2	283.8	319.1	344.9	442.6	563.5	573.0	578.4	612.3
62.5°	471.1	262.0	396.5	256.6	291.9	297.3	404.6	514.6	526.8	530.9	551.2
65°	335.4	220.0	336.7	233.5	263.4	264.8	363.9	464.3	475.2	482.0	496.9
67.5°	226.7	179.2	256.6	211.8	241.7	243.0	324.5	406.0	420.9	426.3	435.8
70°	157.5	119.5	190.1	188.7	217.2	220.0	282.4	353.0	366.6	370.7	376.1
72.5°	115.4	96.4	157.5	169.7	191.4	194.2	239.0	293.3	306.8	310.9	313.6
75°	88.3	101.8	127.6	148.0	162.9	164.3	195.5	239.0	248.5	251.2	252.5
77.5°	70.6	95.0	93.7	119.5	133.1	130.3	153.4	184.7	192.8	192.8	192.8
80°	53.0	74.7	70.6	85.5	97.8	95.0	110.0	131.7	134.4	137.1	135.8
82.5°	39.4	47.5	47.5	54.3	65.2	62.5	73.3	85.5	85.5	85.5	88.3
85°	24.4	27.2	21.7	28.5	36.7	35.3	40.7	46.2	47.5	47.5	44.8
87.5°	14.9	12.2	6.8	10.9	16.3	16.3	19.0	20.4	19.0	19.0	19.0
90°	22.0	15.3	8.5	15.3	22.0	23.7	37.3	55.3	64.4	57.2	42.9
92.5°	149.1	91.4	33.9	91.4	149.1	163.5	229.8	318.3	362.4	317.6	228.1
95°	292.1	186.6	81.3	186.6	292.1	318.4	565.5	894.8	1059.4	945.4	717.2
97.5°	326.5	233.5	140.6	233.5	326.5	349.8	761.6	1310.8	1585.3	1513.2	1369.1
100°	354.9	270.6	186.3	270.6	354.9	376.0	833.0	1442.4	1747.1	1752.3	1762.9
102.5°	382.6	304.0	225.3	304.0	382.6	402.3	865.8	1483.7	1792.8	1884.5	2068.2
105°	424.5	357.9	291.3	357.9	424.5	441.2	890.0	1488.4	1787.7	1993.5	2405.3
107.5°	483.3	421.2	359.1	421.2	483.3	498.7	894.5	1422.2	1686.0	1973.3	2547.6
110°	516.9	460.9	404.8	460.9	516.9	531.0	887.8	1363.4	1601.3	1922.4	2564.5



TEST NUMBER: P935963

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	556.5	503.1	449.7	503.1	556.5	569.9	888.1	1312.2	1524.3	1852.9	2510.0
115°	616.1	566.7	517.4	566.7	616.1	628.4	896.2	1253.4	1432.0	1748.5	2381.6
117.5°	673.9	629.1	584.3	629.1	673.9	685.1	912.9	1216.6	1368.5	1654.2	2225.4
120°	707.7	665.5	623.3	665.5	707.7	718.2	926.4	1204.2	1343.1	1604.1	2126.1
122.5°	746.5	703.9	661.4	703.9	746.5	757.1	945.9	1197.7	1323.6	1558.7	2028.7
125°	797.4	758.5	719.8	758.5	797.4	807.0	972.1	1192.4	1302.4	1502.1	1901.4
127.5°	845.5	806.3	767.2	806.3	845.5	855.3	998.4	1189.2	1284.6	1456.0	1798.9
130°	877.0	834.8	792.6	834.8	877.0	887.5	1017.7	1191.2	1277.9	1430.5	1735.7
132.5°	903.3	861.1	818.9	861.1	903.3	913.8	1033.2	1192.4	1271.9	1408.5	1681.8
135°	934.7	896.2	857.8	896.2	934.7	944.3	1050.1	1191.2	1261.8	1376.2	1605.0
137.5°	973.7	935.7	897.6	935.7	973.7	983.2	1075.5	1198.5	1260.1	1356.8	1550.3
140°	1000.7	965.7	930.7	965.7	1000.7	1009.4	1091.0	1199.8	1254.2	1337.7	1504.8
142.5°	1020.8	988.4	956.0	988.4	1020.8	1028.9	1104.0	1204.1	1254.2	1327.6	1474.3
145°	1051.5	1023.3	995.0	1023.3	1051.5	1058.6	1121.0	1204.1	1245.7	1305.7	1425.8
147.5°	1088.9	1061.5	1034.0	1061.5	1088.9	1095.8	1145.8	1212.4	1245.7	1292.9	1387.3
150°	1109.0	1084.2	1059.4	1084.2	1109.0	1115.2	1158.7	1216.7	1245.7	1285.6	1365.3
152.5°	1123.3	1104.5	1085.7	1104.5	1123.3	1128.0	1167.2	1219.5	1245.7	1279.7	1347.9
155°	1152.5	1138.5	1124.6	1138.5	1152.5	1155.9	1185.9	1225.8	1245.7	1272.7	1327.0
157.5°	1180.5	1166.9	1153.4	1166.9	1180.5	1183.9	1204.5	1231.9	1245.7	1266.8	1309.0
160°	1193.9	1183.4	1172.9	1183.4	1193.9	1196.5	1212.9	1234.7	1245.7	1263.8	1299.9
162.5°	1208.1	1200.2	1192.4	1200.2	1208.1	1210.1	1222.0	1237.8	1245.7	1260.9	1291.4
165°	1227.8	1220.7	1213.5	1220.7	1227.8	1229.6	1234.9	1242.1	1245.7	1256.6	1278.4
167.5°	1239.8	1236.4	1233.0	1236.4	1239.8	1240.6	1245.1	1251.2	1254.2	1261.3	1275.6
170°	1252.5	1249.0	1245.7	1249.0	1252.5	1253.3	1253.6	1254.0	1254.2	1261.3	1275.6
172.5°	1254.0	1253.2	1252.5	1253.2	1254.0	1254.2	1254.2	1254.2	1254.2	1259.8	1271.1
175°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1259.3	1255.9	1254.2	1257.7	1264.9
177.5°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1259.8	1257.2	1255.8	1258.6	1264.3
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P935963

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1384.9	1380.8	1386.3	1371.3	1386.3	1380.8	1384.9	1394.4	1386.3	1391.7	1397.1
5°	1215.2	1208.4	1186.7	1169.0	1186.7	1208.4	1215.2	1243.7	1257.3	1281.7	1314.3
7.5°	1086.2	1080.8	1075.3	1064.5	1075.3	1080.8	1086.2	1094.3	1107.9	1129.6	1154.1
10°	1057.7	1059.0	1067.2	1065.8	1067.2	1059.0	1057.7	1055.0	1050.9	1055.0	1069.9
12.5°	1131.0	1143.2	1188.0	1185.3	1188.0	1143.2	1131.0	1076.7	1040.0	1033.2	1036.0
15°	1215.2	1219.3	1228.8	1230.1	1228.8	1219.3	1215.2	1193.5	1083.5	1036.0	1021.0
17.5°	1223.3	1224.7	1231.5	1231.5	1231.5	1224.7	1223.3	1213.8	1177.2	1113.3	1029.2
20°	1216.5	1219.3	1232.8	1235.5	1232.8	1219.3	1216.5	1204.3	1184.0	1160.9	1097.1
22.5°	1213.8	1219.3	1230.1	1228.8	1230.1	1219.3	1213.8	1194.8	1177.2	1160.9	1135.1
25°	1200.2	1200.2	1201.6	1203.0	1201.6	1200.2	1200.2	1185.3	1150.0	1145.9	1131.0
27.5°	1171.7	1174.4	1182.6	1181.2	1182.6	1174.4	1171.7	1166.3	1128.3	1124.2	1113.3
30°	1145.9	1143.2	1136.4	1131.0	1136.4	1143.2	1145.9	1137.8	1099.8	1088.9	1091.6
32.5°	1102.5	1095.7	1088.9	1084.8	1088.9	1095.7	1102.5	1099.8	1071.3	1056.3	1059.0
35°	1050.9	1052.2	1050.9	1046.8	1050.9	1052.2	1050.9	1053.6	1036.0	1022.4	1021.0
37.5°	1014.2	1016.9	1015.6	1010.2	1015.6	1016.9	1014.2	1011.5	987.1	983.0	985.7
40°	976.2	977.6	976.2	972.1	976.2	977.6	976.2	970.8	936.8	938.2	947.7
42.5°	939.6	938.2	934.1	931.4	934.1	938.2	939.6	931.4	888.0	883.9	901.5
45°	897.5	898.8	890.7	886.6	890.7	898.8	897.5	892.0	847.2	836.4	848.6
47.5°	855.4	855.4	848.6	844.5	848.6	855.4	855.4	848.6	801.1	790.2	797.0
50°	810.6	809.2	799.7	798.4	799.7	809.2	810.6	806.5	756.3	746.8	746.8
52.5°	759.0	759.0	760.3	763.1	760.3	759.0	759.0	760.3	715.5	706.0	703.3
55°	714.2	715.5	725.0	727.7	725.0	715.5	714.2	714.2	673.4	663.9	658.5
57.5°	668.0	668.0	674.8	674.8	674.8	668.0	668.0	665.3	625.9	617.8	615.1
60°	615.1	617.8	623.2	621.8	623.2	617.8	615.1	612.3	578.4	573.0	563.5
62.5°	559.4	562.1	563.5	560.7	563.5	562.1	559.4	551.2	530.9	526.8	514.6
65°	501.0	503.7	505.1	502.4	505.1	503.7	501.0	496.9	482.0	475.2	464.3
67.5°	441.3	439.9	438.6	444.0	438.6	439.9	441.3	435.8	426.3	420.9	406.0
70°	380.2	380.2	378.8	381.5	378.8	380.2	380.2	376.1	370.7	366.6	353.0
72.5°	315.0	313.6	319.1	315.0	319.1	313.6	315.0	313.6	310.9	306.8	293.3
75°	251.2	253.9	251.2	255.3	251.2	253.9	251.2	252.5	251.2	248.5	239.0
77.5°	191.4	194.2	191.4	191.4	191.4	194.2	191.4	192.8	192.8	192.8	184.7
80°	135.8	134.4	134.4	133.1	134.4	134.4	135.8	135.8	137.1	134.4	131.7
82.5°	86.9	85.5	85.5	88.3	85.5	85.5	86.9	88.3	85.5	85.5	85.5
85°	47.5	48.9	46.2	46.2	46.2	48.9	47.5	44.8	47.5	47.5	46.2
87.5°	17.7	16.3	16.3	16.3	16.3	16.3	17.7	19.0	19.0	19.0	20.4
90°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	42.9	57.2	64.4	55.3
92.5°	160.9	154.5	128.9	103.3	128.9	154.5	160.9	228.1	317.6	362.4	318.3
95°	546.2	526.8	449.2	371.7	449.2	526.8	546.2	717.2	945.4	1059.4	894.8
97.5°	1261.0	1224.0	1076.5	929.0	1076.5	1224.0	1261.0	1369.1	1513.2	1585.3	1310.8
100°	1770.8	1726.9	1551.1	1375.3	1551.1	1726.9	1770.8	1762.9	1752.3	1747.1	1442.4
102.5°	2206.0	2168.3	2017.8	1867.3	2017.8	2168.3	2206.0	2068.2	1884.5	1792.8	1483.7
105°	2714.1	2693.8	2612.9	2532.0	2612.9	2693.8	2714.1	2405.3	1993.5	1787.7	1488.4
107.5°	2978.3	2983.2	3002.8	3022.3	3002.8	2983.2	2978.3	2547.6	1973.3	1686.0	1422.2
110°	3046.0	3067.1	3151.4	3235.8	3151.4	3067.1	3046.0	2564.5	1922.4	1601.3	1363.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3002.9	3035.3	3164.7	3294.2	3164.7	3035.3	3002.9	2510.0	1852.9	1524.3	1312.2
115°	2856.3	2901.2	3080.7	3260.3	3080.7	2901.2	2856.3	2381.6	1748.5	1432.0	1253.4
117.5°	2653.9	2703.7	2902.9	3102.0	2902.9	2703.7	2653.9	2225.4	1654.2	1368.5	1216.6
120°	2517.6	2566.0	2759.5	2952.9	2759.5	2566.0	2517.6	2126.1	1604.1	1343.1	1204.2
122.5°	2381.3	2429.0	2619.8	2810.6	2619.8	2429.0	2381.3	2028.7	1558.7	1323.6	1197.7
125°	2200.9	2244.8	2420.6	2596.4	2420.6	2244.8	2200.9	1901.4	1502.1	1302.4	1192.4
127.5°	2056.1	2093.2	2241.5	2389.8	2241.5	2093.2	2056.1	1798.9	1456.0	1284.6	1189.2
130°	1964.7	1998.9	2135.9	2272.9	2135.9	1998.9	1964.7	1735.7	1430.5	1277.9	1191.2
132.5°	1886.7	1917.4	2040.1	2162.8	2040.1	1917.4	1886.7	1681.8	1408.5	1271.9	1192.4
135°	1776.7	1803.1	1908.9	2014.6	1908.9	1803.1	1776.7	1605.0	1376.2	1261.8	1191.2
137.5°	1695.4	1717.0	1803.6	1890.2	1803.6	1717.0	1695.4	1550.3	1356.8	1260.1	1198.5
140°	1630.2	1650.4	1731.3	1812.2	1731.3	1650.4	1630.2	1504.8	1337.7	1254.2	1199.8
142.5°	1584.4	1601.8	1671.5	1741.1	1671.5	1601.8	1584.4	1474.3	1327.6	1254.2	1204.1
145°	1515.9	1529.0	1581.7	1634.4	1581.7	1529.0	1515.9	1425.8	1305.7	1245.7	1204.1
147.5°	1458.2	1469.2	1512.8	1556.5	1512.8	1469.2	1458.2	1387.3	1292.9	1245.7	1212.4
150°	1425.2	1434.0	1469.4	1504.8	1469.4	1434.0	1425.2	1365.3	1285.6	1245.7	1216.7
152.5°	1398.9	1405.6	1432.3	1459.1	1432.3	1405.6	1398.9	1347.9	1279.7	1245.7	1219.5
155°	1367.6	1372.0	1389.7	1407.4	1389.7	1372.0	1367.6	1327.0	1272.7	1245.7	1225.8
157.5°	1340.5	1343.6	1356.1	1368.5	1356.1	1343.6	1340.5	1309.0	1266.8	1245.7	1231.9
160°	1327.0	1328.8	1335.9	1343.1	1335.9	1328.8	1327.0	1299.9	1263.8	1245.7	1234.7
162.5°	1314.3	1316.0	1322.7	1329.5	1322.7	1316.0	1314.3	1291.4	1260.9	1245.7	1237.8
165°	1294.8	1296.6	1303.7	1310.9	1303.7	1296.6	1294.8	1278.4	1256.6	1245.7	1242.1
167.5°	1286.3	1287.0	1290.1	1293.1	1290.1	1287.0	1286.3	1275.6	1261.3	1254.2	1251.2
170°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1275.6	1261.3	1254.2	1254.0
172.5°	1279.5	1278.9	1276.3	1273.7	1276.3	1278.9	1279.5	1271.1	1259.8	1254.2	1254.2
175°	1270.2	1270.2	1270.2	1270.2	1270.2	1270.2	1270.2	1264.9	1257.7	1254.2	1255.9
177.5°	1268.6	1267.9	1264.8	1261.8	1264.8	1267.9	1268.6	1264.3	1258.6	1255.8	1257.2
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P935963

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1417.5	1424.3	1428.3	1433.8	1447.4
5°	1363.2	1389.0	1397.1	1417.5	1441.9
7.5°	1243.7	1322.4	1344.2	1393.0	1431.1
10°	1128.3	1207.0	1245.0	1360.5	1417.5
12.5°	1069.9	1116.1	1141.9	1303.4	1398.5
15°	1033.2	1065.8	1084.8	1227.4	1376.7
17.5°	1004.7	1027.8	1041.4	1152.7	1346.9
20°	987.1	997.9	1010.2	1098.4	1312.9
22.5°	974.9	968.1	977.6	1060.4	1266.8
25°	966.7	940.9	951.8	1030.5	1212.5
27.5°	973.5	916.5	920.5	1003.4	1155.4
30°	974.9	886.6	888.0	974.9	1091.6
32.5°	965.4	855.4	856.7	939.6	1019.7
35°	942.3	818.7	817.4	898.8	921.9
37.5°	911.0	779.3	779.3	854.0	814.6
40°	873.0	740.0	744.0	795.6	719.6
42.5°	826.9	697.9	703.3	718.2	649.0
45°	776.6	657.1	661.2	606.9	594.7
47.5°	721.0	615.1	616.4	503.7	577.0
50°	654.4	571.6	566.2	431.8	575.7
52.5°	596.0	524.1	507.8	391.0	522.7
55°	539.0	473.9	438.6	359.8	484.7
57.5°	488.8	408.7	374.7	323.1	476.6
60°	442.6	344.9	319.1	283.8	437.2
62.5°	404.6	297.3	291.9	256.6	396.5
65°	363.9	264.8	263.4	233.5	336.7
67.5°	324.5	243.0	241.7	211.8	256.6
70°	282.4	220.0	217.2	188.7	190.1
72.5°	239.0	194.2	191.4	169.7	157.5
75°	195.5	164.3	162.9	148.0	127.6
77.5°	153.4	130.3	133.1	119.5	93.7
80°	110.0	95.0	97.8	85.5	70.6
82.5°	73.3	62.5	65.2	54.3	47.5
85°	40.7	35.3	36.7	28.5	21.7
87.5°	19.0	16.3	16.3	10.9	6.8
90°	37.3	23.7	22.0	15.3	8.5
92.5°	229.8	163.5	149.1	91.4	33.9
95°	565.5	318.4	292.1	186.6	81.3
97.5°	761.6	349.8	326.5	233.5	140.6
100°	833.0	376.0	354.9	270.6	186.3
102.5°	865.8	402.3	382.6	304.0	225.3
105°	890.0	441.2	424.5	357.9	291.3
107.5°	894.5	498.7	483.3	421.2	359.1
110°	887.8	531.0	516.9	460.9	404.8



TEST NUMBER: P935963

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	888.1	569.9	556.5	503.1	449.7
115°	896.2	628.4	616.1	566.7	517.4
117.5°	912.9	685.1	673.9	629.1	584.3
120°	926.4	718.2	707.7	665.5	623.3
122.5°	945.9	757.1	746.5	703.9	661.4
125°	972.1	807.0	797.4	758.5	719.8
127.5°	998.4	855.3	845.5	806.3	767.2
130°	1017.7	887.5	877.0	834.8	792.6
132.5°	1033.2	913.8	903.3	861.1	818.9
135°	1050.1	944.3	934.7	896.2	857.8
137.5°	1075.5	983.2	973.7	935.7	897.6
140°	1091.0	1009.4	1000.7	965.7	930.7
142.5°	1104.0	1028.9	1020.8	988.4	956.0
145°	1121.0	1058.6	1051.5	1023.3	995.0
147.5°	1145.8	1095.8	1088.9	1061.5	1034.0
150°	1158.7	1115.2	1109.0	1084.2	1059.4
152.5°	1167.2	1128.0	1123.3	1104.5	1085.7
155°	1185.9	1155.9	1152.5	1138.5	1124.6
157.5°	1204.5	1183.9	1180.5	1166.9	1153.4
160°	1212.9	1196.5	1193.9	1183.4	1172.9
162.5°	1222.0	1210.1	1208.1	1200.2	1192.4
165°	1234.9	1229.6	1227.8	1220.7	1213.5
167.5°	1245.1	1240.6	1239.8	1236.4	1233.0
170°	1253.6	1253.3	1252.5	1249.0	1245.7
172.5°	1254.2	1254.2	1254.0	1253.2	1252.5
175°	1259.3	1261.8	1261.8	1261.8	1261.8
177.5°	1259.8	1261.8	1261.8	1261.8	1261.8
180°	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P935963

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-6-4000K

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	10.35	11.06	11.45	12.16	13.68	13.17	13.89	14.28	14.99	16.50
	3H	10.81	11.45	11.93	12.56	14.09	14.51	15.15	15.62	16.25	17.79
	4H	11.00	11.61	12.12	12.72	14.25	14.94	15.55	16.06	16.66	18.20
	6H	11.11	11.67	12.24	12.78	14.33	15.22	15.78	16.35	16.89	18.44
	8H	11.11	11.64	12.24	12.77	14.31	15.29	15.82	16.42	16.95	18.49
	12H	11.07	11.58	12.21	12.70	14.26	15.32	15.82	16.46	16.95	18.51
4H	2H	11.36	11.97	12.49	13.08	14.62	13.56	14.17	14.69	15.28	16.82
	3H	12.38	12.88	13.51	14.02	15.57	15.06	15.56	16.19	16.70	18.25
	4H	12.64	13.11	13.78	14.23	15.80	15.58	16.04	16.71	17.17	18.74
	6H	12.76	13.16	13.91	14.31	15.87	15.93	16.33	17.08	17.48	19.04
	8H	12.76	13.14	13.91	14.27	15.85	16.03	16.41	17.18	17.54	19.12
	12H	12.72	13.06	13.88	14.21	15.79	16.08	16.42	17.24	17.57	19.15
8H	4H	13.09	13.46	14.23	14.60	16.17	15.69	16.06	16.83	17.20	18.78
	6H	13.34	13.65	14.51	14.83	16.40	16.12	16.42	17.28	17.61	19.18
	8H	13.38	13.65	14.55	14.81	16.41	16.27	16.53	17.44	17.69	19.29
	12H	13.36	13.60	14.53	14.75	16.38	16.36	16.59	17.53	17.75	19.38
12H	4H	13.08	13.42	14.25	14.57	16.16	15.65	15.98	16.81	17.13	18.72
	6H	13.40	13.67	14.57	14.83	16.42	16.11	16.38	17.28	17.54	19.14
	8H	13.46	13.70	14.63	14.85	16.48	16.27	16.50	17.44	17.66	19.29