

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: P935938

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935938
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

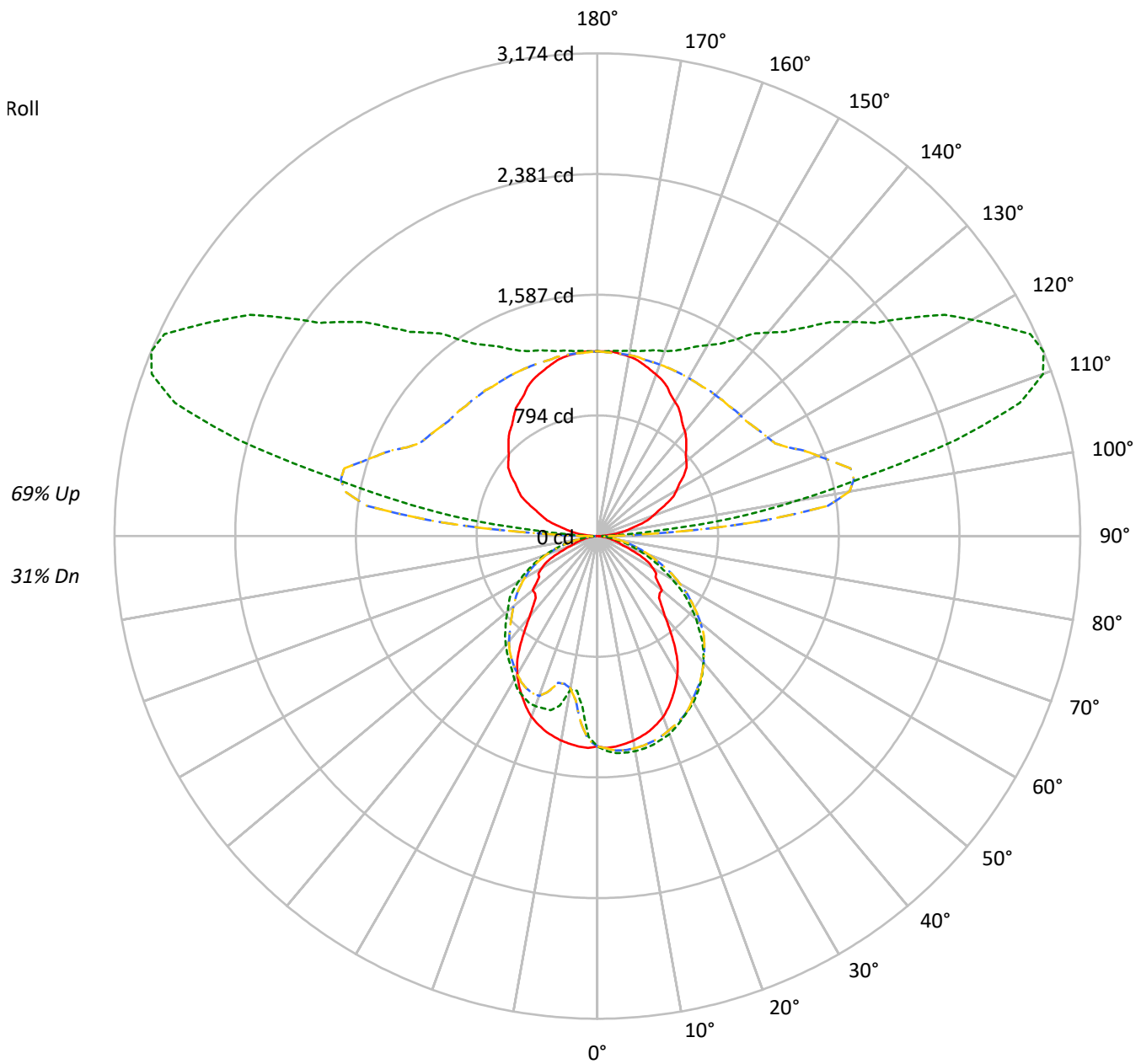
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11469.8 lumens
Efficiency: N/A
Efficacy: 120.2 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°	8553	8553	8553	8553
5°	8614	8634	8614	6789
10°	8553	8505	8553	6080
15°	8457	8320	8457	6948
20°	8277	8102	8277	6962
25°	7912	7784	7912	6815
30°	7441	7520	7441	6491
35°	6630	7185	6630	6135
40°	5521	6792	5521	5866
45°	4930	6331	4930	5557
50°	5233	5781	5233	5246
55°	4920	5189	4920	5066
60°	5065	4407	5065	4641
65°	4585	3644	4585	4073
70°	3167	2903	3167	3414
75°	2768	2147	2768	2570
80°	2213	1419	2213	1545
85°	1246	751	1246	639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7561 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	1.1
10°-20°	354.4	3.1
20°-30°	547.8	4.8
30°-40°	653.9	5.7
40°-50°	657.8	5.7
50°-60°	572.3	5.0
60°-70°	405.8	3.5
70°-80°	214.7	1.9
80°-90°	58.1	0.5
90°-100°	592.6	5.2
100°-110°	1557.8	13.6
110°-120°	1615.3	14.1
120°-130°	1295.7	11.3
130°-140°	1016.6	8.9
140°-150°	780.3	6.8
150°-160°	561.9	4.9
160°-170°	343.8	3.0
170°-180°	116.2	1.0
0°-30°	1026.9	9.0
0°-40°	1680.8	14.7
0°-60°	2910.9	25.4
0°-90°	3589.5	31.3
90°-120°	3765.7	32.8
90°-150°	6858.3	59.8
90°-180°	7880.0	68.7
0°-180°	11469.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1383	1383	1383	1383	1383	
5°	1389	1432	1389	1126	1389	132
15°	1326	1419	1326	1185	1326	373
25°	1168	1324	1168	1159	1168	536
35°	888	1181	888	1008	888	549
45°	573	973	573	854	573	459
55°	467	718	467	701	467	429
65°	324	433	324	484	324	310
75°	123	205	123	246	123	129
85°	21	52	21	44	21	28
90°	8	31	8	31	8	8
95°	78	358	78	358	78	87
105°	281	2439	281	2439	281	298
115°	498	3141	498	3141	498	492
125°	693	2501	693	2501	693	616
135°	826	1941	826	1941	826	639
145°	959	1574	959	1574	959	601
155°	1083	1356	1083	1356	1083	498
165°	1169	1263	1169	1263	1169	330
175°	1216	1224	1216	1224	1216	115
180°	1216	1216	1216	1216	1216	



TEST NUMBER: P935938

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1394.4	1394.4	1402.2	1404.8	1404.8	1400.9	1397.0	1400.9	1412.7	1416.6	1415.3
5°	1389.2	1399.6	1414.0	1416.6	1419.2	1417.9	1415.3	1417.9	1431.0	1433.6	1434.9
7.5°	1378.7	1398.3	1416.6	1420.5	1424.5	1420.5	1419.2	1421.9	1434.9	1437.5	1437.5
10°	1365.6	1393.1	1414.0	1416.6	1420.5	1416.6	1416.6	1421.9	1434.9	1437.5	1438.9
12.5°	1347.3	1385.2	1404.8	1407.5	1412.7	1411.4	1410.1	1415.3	1428.4	1431.0	1431.0
15°	1326.4	1370.8	1389.2	1391.8	1400.9	1398.3	1398.3	1403.5	1417.9	1421.9	1420.5
17.5°	1297.6	1352.5	1373.5	1377.4	1383.9	1382.6	1383.9	1389.2	1402.2	1404.8	1406.2
20°	1264.9	1327.7	1352.5	1356.4	1363.0	1363.0	1363.0	1369.5	1382.6	1387.8	1387.8
22.5°	1220.4	1301.5	1327.7	1330.3	1338.1	1338.1	1340.8	1349.9	1361.7	1363.0	1363.0
25°	1168.1	1272.7	1295.0	1302.8	1310.7	1314.6	1318.5	1323.7	1327.7	1326.4	1327.7
27.5°	1113.2	1236.1	1264.9	1270.1	1280.6	1284.5	1289.7	1291.0	1292.4	1296.3	1293.7
30°	1051.7	1185.1	1228.3	1233.5	1250.5	1253.1	1247.9	1250.5	1257.0	1259.7	1262.3
32.5°	982.3	1109.2	1190.3	1202.1	1217.8	1209.9	1208.6	1212.6	1223.0	1223.0	1225.6
35°	888.2	1050.4	1155.0	1165.5	1177.2	1168.1	1173.3	1174.6	1181.2	1185.1	1183.8
37.5°	784.8	999.4	1118.4	1126.2	1135.4	1123.6	1131.5	1135.4	1140.6	1138.0	1138.0
40°	693.3	919.6	1075.2	1080.5	1088.3	1079.1	1087.0	1089.6	1092.2	1089.6	1088.3
42.5°	625.2	831.9	1029.4	1036.0	1030.7	1037.3	1039.9	1045.1	1041.2	1036.0	1036.0
45°	572.9	808.4	979.7	987.6	979.7	990.2	994.1	994.1	982.3	979.7	978.4
47.5°	555.9	761.3	930.0	930.0	926.1	939.2	945.7	936.6	924.8	920.9	920.9
50°	554.6	709.0	862.0	856.8	875.1	890.8	884.2	875.1	865.9	851.5	851.5
52.5°	503.6	644.9	774.4	794.0	822.8	831.9	821.5	812.3	796.6	790.1	784.8
55°	467.0	578.2	694.6	733.8	763.9	775.7	756.1	746.9	723.4	719.4	716.8
57.5°	459.1	481.4	621.3	671.0	707.7	706.3	694.6	677.6	657.9	654.0	652.7
60°	421.2	347.9	542.8	601.7	639.6	635.7	625.2	609.6	591.2	588.6	586.0
62.5°	382.0	252.5	453.9	520.6	574.2	572.9	563.8	540.2	527.1	520.6	515.4
65°	324.4	211.9	323.1	433.0	510.1	512.8	493.1	476.1	461.7	453.9	452.6
67.5°	247.2	172.7	218.4	361.0	448.7	446.0	421.2	413.3	395.0	391.1	383.3
70°	183.1	115.1	151.7	293.0	388.5	382.0	362.3	353.2	336.2	327.0	321.8
72.5°	151.7	92.9	111.2	227.6	327.0	319.2	302.2	291.7	277.3	269.5	264.2
75°	123.0	98.1	85.0	168.7	265.5	260.3	244.6	234.1	222.4	211.9	213.2
77.5°	90.3	91.6	68.0	124.3	210.6	202.7	193.6	180.5	175.3	164.8	164.8
80°	68.0	71.9	51.0	85.0	151.7	151.7	143.9	134.7	125.6	120.3	120.3
82.5°	45.8	45.8	37.9	53.6	103.3	99.4	94.2	91.6	86.3	83.7	83.7
85°	20.9	26.2	23.5	32.7	56.2	58.9	58.9	56.2	54.9	52.3	53.6
87.5°	6.5	11.8	14.4	18.3	28.8	30.1	31.4	31.4	31.4	32.7	32.7
90°	8.2	14.7	21.2	22.8	35.9	53.3	62.0	55.1	41.3	31.0	31.0
92.5°	32.6	88.1	143.6	157.5	221.4	306.6	349.2	306.0	219.8	155.0	148.9
95°	78.3	179.8	281.4	306.8	544.8	862.0	1020.6	910.8	691.0	526.2	507.5
97.5°	135.4	225.0	314.5	337.0	733.7	1262.8	1527.3	1457.9	1319.0	1214.8	1179.3
100°	179.5	260.7	341.9	362.2	802.5	1389.6	1683.1	1688.2	1698.4	1706.0	1663.7
102.5°	217.0	292.8	368.6	387.5	834.1	1429.4	1727.2	1815.6	1992.5	2125.2	2089.0
105°	280.6	344.8	409.0	425.0	857.5	1434.0	1722.3	1920.6	2317.3	2614.8	2595.3
107.5°	345.9	405.8	465.6	480.5	861.7	1370.1	1624.3	1901.0	2454.3	2869.3	2874.0
110°	390.0	444.0	498.0	511.5	855.3	1313.5	1542.7	1852.0	2470.6	2934.6	2954.9



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CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	433.2	484.7	536.1	549.0	855.6	1264.2	1468.5	1785.1	2418.2	2893.0	2924.2
115°	498.5	546.0	593.5	605.4	863.4	1207.5	1379.6	1684.5	2294.4	2751.8	2795.0
117.5°	562.9	606.1	649.2	660.0	879.5	1172.1	1318.4	1593.6	2144.0	2556.8	2604.8
120°	600.5	641.1	681.8	691.9	892.5	1160.2	1293.9	1545.4	2048.3	2425.5	2472.0
122.5°	637.2	678.2	719.2	729.4	911.3	1153.9	1275.2	1501.6	1954.5	2294.1	2340.1
125°	693.4	730.8	768.2	777.5	936.6	1148.7	1254.8	1447.1	1831.8	2120.4	2162.6
127.5°	739.1	776.8	814.6	824.0	961.9	1145.7	1237.6	1402.8	1733.1	1980.8	2016.6
130°	763.6	804.3	844.9	855.0	980.4	1147.6	1231.1	1378.2	1672.2	1892.7	1925.7
132.5°	788.9	829.6	870.2	880.3	995.3	1148.7	1225.4	1357.0	1620.2	1817.7	1847.2
135°	826.4	863.4	900.5	909.7	1011.6	1147.6	1215.6	1325.8	1546.3	1711.6	1737.1
137.5°	864.8	901.4	938.0	947.2	1036.2	1154.7	1214.0	1307.2	1493.5	1633.3	1654.2
140°	896.6	930.4	964.0	972.5	1051.1	1155.9	1208.3	1288.8	1449.8	1570.5	1590.0
142.5°	921.0	952.3	983.5	991.2	1063.6	1160.1	1208.3	1279.0	1420.4	1526.4	1543.2
145°	958.6	985.8	1013.0	1019.8	1079.9	1160.1	1200.1	1257.9	1373.6	1460.4	1473.0
147.5°	996.1	1022.6	1049.1	1055.7	1103.8	1168.0	1200.1	1245.6	1336.6	1404.8	1415.4
150°	1020.6	1044.5	1068.4	1074.4	1116.3	1172.2	1200.1	1238.5	1315.4	1373.0	1381.6
152.5°	1045.9	1064.1	1082.2	1086.7	1124.5	1174.9	1200.1	1232.9	1298.5	1347.7	1354.2
155°	1083.4	1096.8	1110.3	1113.6	1142.5	1180.9	1200.1	1226.2	1278.4	1317.6	1321.8
157.5°	1111.1	1124.2	1137.3	1140.5	1160.4	1186.8	1200.1	1220.4	1261.0	1291.5	1294.4
160°	1130.0	1140.1	1150.2	1152.7	1168.5	1189.5	1200.1	1217.5	1252.3	1278.4	1280.1
162.5°	1148.7	1156.3	1163.9	1165.8	1177.2	1192.5	1200.1	1214.7	1244.1	1266.2	1267.9
165°	1169.1	1176.0	1182.8	1184.6	1189.7	1196.6	1200.1	1210.6	1231.7	1247.4	1249.2
167.5°	1187.9	1191.1	1194.4	1195.2	1199.6	1205.4	1208.3	1215.2	1229.0	1239.2	1239.9
170°	1200.1	1203.3	1206.6	1207.4	1207.7	1208.1	1208.3	1215.2	1229.0	1239.2	1239.2
172.5°	1206.6	1207.3	1208.1	1208.3	1208.3	1208.3	1208.3	1213.7	1224.6	1232.7	1232.1
175°	1215.6	1215.6	1215.6	1215.6	1213.2	1209.9	1208.3	1211.7	1218.6	1223.7	1223.7
177.5°	1215.6	1215.6	1215.6	1215.6	1213.7	1211.2	1209.9	1212.6	1218.1	1222.2	1221.5
180°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1417.9	1414.0	1417.9	1415.3	1416.6	1412.7	1400.9	1397.0	1400.9	1404.8	1404.8
5°	1434.9	1432.3	1434.9	1434.9	1433.6	1431.0	1417.9	1415.3	1417.9	1419.2	1416.6
7.5°	1440.2	1436.2	1440.2	1437.5	1437.5	1434.9	1421.9	1419.2	1420.5	1424.5	1420.5
10°	1440.2	1436.2	1440.2	1438.9	1437.5	1434.9	1421.9	1416.6	1416.6	1420.5	1416.6
12.5°	1433.6	1431.0	1433.6	1431.0	1431.0	1428.4	1415.3	1410.1	1411.4	1412.7	1407.5
15°	1423.2	1419.2	1423.2	1420.5	1421.9	1417.9	1403.5	1398.3	1398.3	1400.9	1391.8
17.5°	1407.5	1402.2	1407.5	1406.2	1404.8	1402.2	1389.2	1383.9	1382.6	1383.9	1377.4
20°	1389.2	1385.2	1389.2	1387.8	1387.8	1382.6	1369.5	1363.0	1363.0	1363.0	1356.4
22.5°	1360.4	1356.4	1360.4	1363.0	1363.0	1361.7	1349.9	1340.8	1338.1	1338.1	1330.3
25°	1327.7	1323.7	1327.7	1327.7	1326.4	1327.7	1323.7	1318.5	1314.6	1310.7	1302.8
27.5°	1296.3	1293.7	1296.3	1293.7	1296.3	1292.4	1291.0	1289.7	1284.5	1280.6	1270.1
30°	1264.9	1262.3	1264.9	1262.3	1259.7	1257.0	1250.5	1247.9	1253.1	1250.5	1233.5
32.5°	1225.6	1223.0	1225.6	1225.6	1223.0	1223.0	1212.6	1208.6	1209.9	1217.8	1202.1
35°	1185.1	1181.2	1185.1	1183.8	1185.1	1181.2	1174.6	1173.3	1168.1	1177.2	1165.5
37.5°	1138.0	1134.1	1138.0	1138.0	1138.0	1140.6	1135.4	1131.5	1123.6	1135.4	1126.2
40°	1089.6	1084.4	1089.6	1088.3	1089.6	1092.2	1089.6	1087.0	1079.1	1088.3	1080.5
42.5°	1034.7	1033.4	1034.7	1036.0	1036.0	1041.2	1045.1	1039.9	1037.3	1030.7	1036.0
45°	975.8	973.2	975.8	978.4	979.7	982.3	994.1	994.1	990.2	979.7	987.6
47.5°	913.0	906.5	913.0	920.9	920.9	924.8	936.6	945.7	939.2	926.1	930.0
50°	846.3	847.6	846.3	851.5	851.5	865.9	875.1	884.2	890.8	875.1	856.8
52.5°	780.9	779.6	780.9	784.8	790.1	796.6	812.3	821.5	831.9	822.8	794.0
55°	715.5	718.1	715.5	716.8	719.4	723.4	746.9	756.1	775.7	763.9	733.8
57.5°	650.1	646.2	650.1	652.7	654.0	657.9	677.6	694.6	706.3	707.7	671.0
60°	574.2	569.0	574.2	586.0	588.6	591.2	609.6	625.2	635.7	639.6	601.7
62.5°	507.5	498.4	507.5	515.4	520.6	527.1	540.2	563.8	572.9	574.2	520.6
65°	436.9	433.0	436.9	452.6	453.9	461.7	476.1	493.1	512.8	510.1	433.0
67.5°	372.8	372.8	372.8	383.3	391.1	395.0	413.3	421.2	446.0	448.7	361.0
70°	313.9	312.6	313.9	321.8	327.0	336.2	353.2	362.3	382.0	388.5	293.0
72.5°	257.7	256.4	257.7	264.2	269.5	277.3	291.7	302.2	319.2	327.0	227.6
75°	208.0	205.4	208.0	213.2	211.9	222.4	234.1	244.6	260.3	265.5	168.7
77.5°	159.6	159.6	159.6	164.8	164.8	175.3	180.5	193.6	202.7	210.6	124.3
80°	119.0	117.7	119.0	120.3	120.3	125.6	134.7	143.9	151.7	151.7	85.0
82.5°	83.7	81.1	83.7	83.7	83.7	86.3	91.6	94.2	99.4	103.3	53.6
85°	52.3	52.3	52.3	53.6	52.3	54.9	56.2	58.9	58.9	56.2	32.7
87.5°	34.0	32.7	34.0	32.7	32.7	31.4	31.4	31.4	30.1	28.8	18.3
90°	31.0	31.0	31.0	31.0	31.0	41.3	55.1	62.0	53.3	35.9	22.8
92.5°	124.2	99.5	124.2	148.9	155.0	219.8	306.0	349.2	306.6	221.4	157.5
95°	432.8	358.1	432.8	507.5	526.2	691.0	910.8	1020.6	862.0	544.8	306.8
97.5°	1037.1	895.0	1037.1	1179.3	1214.8	1319.0	1457.9	1527.3	1262.8	733.7	337.0
100°	1494.3	1325.0	1494.3	1663.7	1706.0	1698.4	1688.2	1683.1	1389.6	802.5	362.2
102.5°	1943.9	1798.9	1943.9	2089.0	2125.2	1992.5	1815.6	1727.2	1429.4	834.1	387.5
105°	2517.3	2439.3	2517.3	2595.3	2614.8	2317.3	1920.6	1722.3	1434.0	857.5	425.0
107.5°	2892.9	2911.7	2892.9	2874.0	2869.3	2454.3	1901.0	1624.3	1370.1	861.7	480.5
110°	3036.1	3117.3	3036.1	2954.9	2934.6	2470.6	1852.0	1542.7	1313.5	855.3	511.5



TEST NUMBER: P935938

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3048.9	3173.6	3048.9	2924.2	2893.0	2418.2	1785.1	1468.5	1264.2	855.6	549.0
115°	2968.0	3141.0	2968.0	2795.0	2751.8	2294.4	1684.5	1379.6	1207.5	863.4	605.4
117.5°	2796.6	2988.5	2796.6	2604.8	2556.8	2144.0	1593.6	1318.4	1172.1	879.5	660.0
120°	2658.5	2844.8	2658.5	2472.0	2425.5	2048.3	1545.4	1293.9	1160.2	892.5	691.9
122.5°	2523.9	2707.8	2523.9	2340.1	2294.1	1954.5	1501.6	1275.2	1153.9	911.3	729.4
125°	2332.0	2501.3	2332.0	2162.6	2120.4	1831.8	1447.1	1254.8	1148.7	936.6	777.5
127.5°	2159.4	2302.3	2159.4	2016.6	1980.8	1733.1	1402.8	1237.6	1145.7	961.9	824.0
130°	2057.7	2189.7	2057.7	1925.7	1892.7	1672.2	1378.2	1231.1	1147.6	980.4	855.0
132.5°	1965.4	2083.6	1965.4	1847.2	1817.7	1620.2	1357.0	1225.4	1148.7	995.3	880.3
135°	1839.0	1940.9	1839.0	1737.1	1711.6	1546.3	1325.8	1215.6	1147.6	1011.6	909.7
137.5°	1737.6	1821.0	1737.6	1654.2	1633.3	1493.5	1307.2	1214.0	1154.7	1036.2	947.2
140°	1667.9	1745.9	1667.9	1590.0	1570.5	1449.8	1288.8	1208.3	1155.9	1051.1	972.5
142.5°	1610.3	1677.4	1610.3	1543.2	1526.4	1420.4	1279.0	1208.3	1160.1	1063.6	991.2
145°	1523.8	1574.5	1523.8	1473.0	1460.4	1373.6	1257.9	1200.1	1160.1	1079.9	1019.8
147.5°	1457.4	1499.5	1457.4	1415.4	1404.8	1336.6	1245.6	1200.1	1168.0	1103.8	1055.7
150°	1415.7	1449.8	1415.7	1381.6	1373.0	1315.4	1238.5	1200.1	1172.2	1116.3	1074.4
152.5°	1379.9	1405.7	1379.9	1354.2	1347.7	1298.5	1232.9	1200.1	1174.9	1124.5	1086.7
155°	1338.8	1355.9	1338.8	1321.8	1317.6	1278.4	1226.2	1200.1	1180.9	1142.5	1113.6
157.5°	1306.5	1318.4	1306.5	1294.4	1291.5	1261.0	1220.4	1200.1	1186.8	1160.4	1140.5
160°	1287.0	1293.9	1287.0	1280.1	1278.4	1252.3	1217.5	1200.1	1189.5	1168.5	1152.7
162.5°	1274.3	1280.8	1274.3	1267.9	1266.2	1244.1	1214.7	1200.1	1192.5	1177.2	1165.8
165°	1256.0	1262.9	1256.0	1249.2	1247.4	1231.7	1210.6	1200.1	1196.6	1189.7	1184.6
167.5°	1242.9	1245.8	1242.9	1239.9	1239.2	1229.0	1215.2	1208.3	1205.4	1199.6	1195.2
170°	1239.2	1239.2	1239.2	1239.2	1239.2	1229.0	1215.2	1208.3	1208.1	1207.7	1207.4
172.5°	1229.6	1227.0	1229.6	1232.1	1232.7	1224.6	1213.7	1208.3	1208.3	1208.3	1208.3
175°	1223.7	1223.7	1223.7	1223.7	1223.7	1218.6	1211.7	1208.3	1209.9	1213.2	1215.6
177.5°	1218.5	1215.6	1218.5	1221.5	1222.2	1218.1	1212.6	1209.9	1211.2	1213.7	1215.6
180°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6



TEST NUMBER: P935938

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1402.2	1394.4	1394.4	1381.3	1376.1	1372.1	1365.6	1346.0	1340.8	1335.5	1343.4
5°	1414.0	1399.6	1389.2	1365.6	1346.0	1338.1	1313.3	1266.2	1234.8	1211.3	1198.2
7.5°	1416.6	1398.3	1378.7	1342.1	1295.0	1274.0	1198.2	1111.8	1088.3	1067.4	1054.3
10°	1414.0	1393.1	1365.6	1310.7	1199.5	1162.9	1087.0	1030.7	1016.4	1012.4	1016.4
12.5°	1404.8	1385.2	1347.3	1255.7	1100.1	1075.2	1030.7	998.0	995.4	1002.0	1037.3
15°	1389.2	1370.8	1326.4	1182.5	1045.1	1026.8	995.4	983.7	998.0	1043.8	1149.8
17.5°	1373.5	1352.5	1297.6	1110.5	1003.3	990.2	968.0	991.5	1072.6	1134.1	1169.4
20°	1352.5	1327.7	1264.9	1058.2	973.2	961.4	951.0	1056.9	1118.4	1140.6	1160.2
22.5°	1327.7	1301.5	1220.4	1021.6	941.8	932.6	939.2	1093.5	1118.4	1134.1	1151.1
25°	1295.0	1272.7	1168.1	992.8	916.9	906.5	931.3	1089.6	1104.0	1107.9	1141.9
27.5°	1264.9	1236.1	1113.2	966.6	886.9	882.9	937.9	1072.6	1083.1	1087.0	1123.6
30°	1228.3	1185.1	1051.7	939.2	855.5	854.2	939.2	1051.7	1049.1	1059.5	1096.1
32.5°	1190.3	1109.2	982.3	905.2	825.4	824.1	930.0	1020.3	1017.7	1032.1	1059.5
35°	1155.0	1050.4	888.2	865.9	787.4	788.8	907.8	983.7	985.0	998.0	1015.0
37.5°	1118.4	999.4	784.8	822.8	750.8	750.8	877.7	949.6	947.0	951.0	974.5
40°	1075.2	919.6	693.3	766.5	716.8	712.9	841.1	913.0	903.9	902.6	935.3
42.5°	1029.4	831.9	625.2	692.0	677.6	672.3	796.6	868.5	851.5	855.5	897.3
45°	979.7	808.4	572.9	584.7	637.0	633.1	748.2	817.5	805.8	816.2	859.4
47.5°	930.0	761.3	555.9	485.3	593.9	592.5	694.6	767.8	761.3	771.8	817.5
50°	862.0	709.0	554.6	416.0	545.5	550.7	630.5	719.4	719.4	728.6	777.0
52.5°	774.4	644.9	503.6	376.7	489.2	504.9	574.2	677.6	680.2	689.3	732.5
55°	694.6	578.2	467.0	346.6	422.5	456.5	519.3	634.4	639.6	648.8	688.0
57.5°	621.3	481.4	459.1	311.3	361.0	393.7	470.9	592.5	595.2	603.0	640.9
60°	542.8	347.9	421.2	273.4	307.4	332.2	426.4	542.8	552.0	557.2	589.9
62.5°	453.9	252.5	382.0	247.2	281.2	286.5	389.8	495.8	507.5	511.4	531.1
65°	323.1	211.9	324.4	225.0	253.8	255.1	350.6	447.4	457.8	464.4	478.7
67.5°	218.4	172.7	247.2	204.1	232.8	234.1	312.6	391.1	405.5	410.7	419.9
70°	151.7	115.1	183.1	181.8	209.3	211.9	272.1	340.1	353.2	357.1	362.3
72.5°	111.2	92.9	151.7	163.5	184.4	187.1	230.2	282.5	295.6	299.5	302.2
75°	85.0	98.1	123.0	142.6	157.0	158.3	188.4	230.2	239.4	242.0	243.3
77.5°	68.0	91.6	90.3	115.1	128.2	125.6	147.8	177.9	185.7	185.7	185.7
80°	51.0	71.9	68.0	82.4	94.2	91.6	106.0	126.9	129.5	132.1	130.8
82.5°	37.9	45.8	45.8	52.3	62.8	60.2	70.6	82.4	82.4	82.4	85.0
85°	23.5	26.2	20.9	27.5	35.3	34.0	39.2	44.5	45.8	45.8	43.2
87.5°	14.4	11.8	6.5	10.5	15.7	15.7	18.3	19.6	18.3	18.3	18.3
90°	21.2	14.7	8.2	14.7	21.2	22.8	35.9	53.3	62.0	55.1	41.3
92.5°	143.6	88.1	32.6	88.1	143.6	157.5	221.4	306.6	349.2	306.0	219.8
95°	281.4	179.8	78.3	179.8	281.4	306.8	544.8	862.0	1020.6	910.8	691.0
97.5°	314.5	225.0	135.4	225.0	314.5	337.0	733.7	1262.8	1527.3	1457.9	1319.0
100°	341.9	260.7	179.5	260.7	341.9	362.2	802.5	1389.6	1683.1	1688.2	1698.4
102.5°	368.6	292.8	217.0	292.8	368.6	387.5	834.1	1429.4	1727.2	1815.6	1992.5
105°	409.0	344.8	280.6	344.8	409.0	425.0	857.5	1434.0	1722.3	1920.6	2317.3
107.5°	465.6	405.8	345.9	405.8	465.6	480.5	861.7	1370.1	1624.3	1901.0	2454.3
110°	498.0	444.0	390.0	444.0	498.0	511.5	855.3	1313.5	1542.7	1852.0	2470.6



TEST NUMBER: P935938

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	536.1	484.7	433.2	484.7	536.1	549.0	855.6	1264.2	1468.5	1785.1	2418.2
115°	593.5	546.0	498.5	546.0	593.5	605.4	863.4	1207.5	1379.6	1684.5	2294.4
117.5°	649.2	606.1	562.9	606.1	649.2	660.0	879.5	1172.1	1318.4	1593.6	2144.0
120°	681.8	641.1	600.5	641.1	681.8	691.9	892.5	1160.2	1293.9	1545.4	2048.3
122.5°	719.2	678.2	637.2	678.2	719.2	729.4	911.3	1153.9	1275.2	1501.6	1954.5
125°	768.2	730.8	693.4	730.8	768.2	777.5	936.6	1148.7	1254.8	1447.1	1831.8
127.5°	814.6	776.8	739.1	776.8	814.6	824.0	961.9	1145.7	1237.6	1402.8	1733.1
130°	844.9	804.3	763.6	804.3	844.9	855.0	980.4	1147.6	1231.1	1378.2	1672.2
132.5°	870.2	829.6	788.9	829.6	870.2	880.3	995.3	1148.7	1225.4	1357.0	1620.2
135°	900.5	863.4	826.4	863.4	900.5	909.7	1011.6	1147.6	1215.6	1325.8	1546.3
137.5°	938.0	901.4	864.8	901.4	938.0	947.2	1036.2	1154.7	1214.0	1307.2	1493.5
140°	964.0	930.4	896.6	930.4	964.0	972.5	1051.1	1155.9	1208.3	1288.8	1449.8
142.5°	983.5	952.3	921.0	952.3	983.5	991.2	1063.6	1160.1	1208.3	1279.0	1420.4
145°	1013.0	985.8	958.6	985.8	1013.0	1019.8	1079.9	1160.1	1200.1	1257.9	1373.6
147.5°	1049.1	1022.6	996.1	1022.6	1049.1	1055.7	1103.8	1168.0	1200.1	1245.6	1336.6
150°	1068.4	1044.5	1020.6	1044.5	1068.4	1074.4	1116.3	1172.2	1200.1	1238.5	1315.4
152.5°	1082.2	1064.1	1045.9	1064.1	1082.2	1086.7	1124.5	1174.9	1200.1	1232.9	1298.5
155°	1110.3	1096.8	1083.4	1096.8	1110.3	1113.6	1142.5	1180.9	1200.1	1226.2	1278.4
157.5°	1137.3	1124.2	1111.1	1124.2	1137.3	1140.5	1160.4	1186.8	1200.1	1220.4	1261.0
160°	1150.2	1140.1	1130.0	1140.1	1150.2	1152.7	1168.5	1189.5	1200.1	1217.5	1252.3
162.5°	1163.9	1156.3	1148.7	1156.3	1163.9	1165.8	1177.2	1192.5	1200.1	1214.7	1244.1
165°	1182.8	1176.0	1169.1	1176.0	1182.8	1184.6	1189.7	1196.6	1200.1	1210.6	1231.7
167.5°	1194.4	1191.1	1187.9	1191.1	1194.4	1195.2	1199.6	1205.4	1208.3	1215.2	1229.0
170°	1206.6	1203.3	1200.1	1203.3	1206.6	1207.4	1207.7	1208.1	1208.3	1215.2	1229.0
172.5°	1208.1	1207.3	1206.6	1207.3	1208.1	1208.3	1208.3	1208.3	1208.3	1213.7	1224.6
175°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1213.2	1209.9	1208.3	1211.7	1218.6
177.5°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1213.7	1211.2	1209.9	1212.6	1218.1
180°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6



TEST NUMBER: P935938

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1334.2	1330.3	1335.5	1321.1	1335.5	1330.3	1334.2	1343.4	1335.5	1340.8	1346.0
5°	1170.7	1164.2	1143.2	1126.2	1143.2	1164.2	1170.7	1198.2	1211.3	1234.8	1266.2
7.5°	1046.4	1041.2	1036.0	1025.5	1036.0	1041.2	1046.4	1054.3	1067.4	1088.3	1111.8
10°	1019.0	1020.3	1028.1	1026.8	1028.1	1020.3	1019.0	1016.4	1012.4	1016.4	1030.7
12.5°	1089.6	1101.4	1144.5	1141.9	1144.5	1101.4	1089.6	1037.3	1002.0	995.4	998.0
15°	1170.7	1174.6	1183.8	1185.1	1183.8	1174.6	1170.7	1149.8	1043.8	998.0	983.7
17.5°	1178.6	1179.9	1186.4	1186.4	1186.4	1179.9	1178.6	1169.4	1134.1	1072.6	991.5
20°	1172.0	1174.6	1187.7	1190.3	1187.7	1174.6	1172.0	1160.2	1140.6	1118.4	1056.9
22.5°	1169.4	1174.6	1185.1	1183.8	1185.1	1174.6	1169.4	1151.1	1134.1	1118.4	1093.5
25°	1156.3	1156.3	1157.6	1158.9	1157.6	1156.3	1156.3	1141.9	1107.9	1104.0	1089.6
27.5°	1128.8	1131.5	1139.3	1138.0	1139.3	1131.5	1128.8	1123.6	1087.0	1083.1	1072.6
30°	1104.0	1101.4	1094.8	1089.6	1094.8	1101.4	1104.0	1096.1	1059.5	1049.1	1051.7
32.5°	1062.1	1055.6	1049.1	1045.1	1049.1	1055.6	1062.1	1059.5	1032.1	1017.7	1020.3
35°	1012.4	1013.7	1012.4	1008.5	1012.4	1013.7	1012.4	1015.0	998.0	985.0	983.7
37.5°	977.1	979.7	978.4	973.2	978.4	979.7	977.1	974.5	951.0	947.0	949.6
40°	940.5	941.8	940.5	936.6	940.5	941.8	940.5	935.3	902.6	903.9	913.0
42.5°	905.2	903.9	899.9	897.3	899.9	903.9	905.2	897.3	855.5	851.5	868.5
45°	864.6	865.9	858.1	854.2	858.1	865.9	864.6	859.4	816.2	805.8	817.5
47.5°	824.1	824.1	817.5	813.6	817.5	824.1	824.1	817.5	771.8	761.3	767.8
50°	780.9	779.6	770.4	769.1	770.4	779.6	780.9	777.0	728.6	719.4	719.4
52.5°	731.2	731.2	732.5	735.1	732.5	731.2	731.2	732.5	689.3	680.2	677.6
55°	688.0	689.3	698.5	701.1	698.5	689.3	688.0	688.0	648.8	639.6	634.4
57.5°	643.6	643.6	650.1	650.1	650.1	643.6	643.6	640.9	603.0	595.2	592.5
60°	592.5	595.2	600.4	599.1	600.4	595.2	592.5	589.9	557.2	552.0	542.8
62.5°	538.9	541.5	542.8	540.2	542.8	541.5	538.9	531.1	511.4	507.5	495.8
65°	482.7	485.3	486.6	484.0	486.6	485.3	482.7	478.7	464.4	457.8	447.4
67.5°	425.1	423.8	422.5	427.7	422.5	423.8	425.1	419.9	410.7	405.5	391.1
70°	366.3	366.3	364.9	367.6	364.9	366.3	366.3	362.3	357.1	353.2	340.1
72.5°	303.5	302.2	307.4	303.5	307.4	302.2	303.5	302.2	299.5	295.6	282.5
75°	242.0	244.6	242.0	245.9	242.0	244.6	242.0	243.3	242.0	239.4	230.2
77.5°	184.4	187.1	184.4	184.4	184.4	187.1	184.4	185.7	185.7	185.7	177.9
80°	130.8	129.5	129.5	128.2	129.5	129.5	130.8	130.8	132.1	129.5	126.9
82.5°	83.7	82.4	82.4	85.0	82.4	82.4	83.7	85.0	82.4	82.4	82.4
85°	45.8	47.1	44.5	44.5	44.5	47.1	45.8	43.2	45.8	45.8	44.5
87.5°	17.0	15.7	15.7	15.7	15.7	15.7	17.0	18.3	18.3	18.3	19.6
90°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	41.3	55.1	62.0	53.3
92.5°	155.0	148.9	124.2	99.5	124.2	148.9	155.0	219.8	306.0	349.2	306.6
95°	526.2	507.5	432.8	358.1	432.8	507.5	526.2	691.0	910.8	1020.6	862.0
97.5°	1214.8	1179.3	1037.1	895.0	1037.1	1179.3	1214.8	1319.0	1457.9	1527.3	1262.8
100°	1706.0	1663.7	1494.3	1325.0	1494.3	1663.7	1706.0	1698.4	1688.2	1683.1	1389.6
102.5°	2125.2	2089.0	1943.9	1798.9	1943.9	2089.0	2125.2	1992.5	1815.6	1727.2	1429.4
105°	2614.8	2595.3	2517.3	2439.3	2517.3	2595.3	2614.8	2317.3	1920.6	1722.3	1434.0
107.5°	2869.3	2874.0	2892.9	2911.7	2892.9	2874.0	2869.3	2454.3	1901.0	1624.3	1370.1
110°	2934.6	2954.9	3036.1	3117.3	3036.1	2954.9	2934.6	2470.6	1852.0	1542.7	1313.5



TEST NUMBER: P935938

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2893.0	2924.2	3048.9	3173.6	3048.9	2924.2	2893.0	2418.2	1785.1	1468.5	1264.2
115°	2751.8	2795.0	2968.0	3141.0	2968.0	2795.0	2751.8	2294.4	1684.5	1379.6	1207.5
117.5°	2556.8	2604.8	2796.6	2988.5	2796.6	2604.8	2556.8	2144.0	1593.6	1318.4	1172.1
120°	2425.5	2472.0	2658.5	2844.8	2658.5	2472.0	2425.5	2048.3	1545.4	1293.9	1160.2
122.5°	2294.1	2340.1	2523.9	2707.8	2523.9	2340.1	2294.1	1954.5	1501.6	1275.2	1153.9
125°	2120.4	2162.6	2332.0	2501.3	2332.0	2162.6	2120.4	1831.8	1447.1	1254.8	1148.7
127.5°	1980.8	2016.6	2159.4	2302.3	2159.4	2016.6	1980.8	1733.1	1402.8	1237.6	1145.7
130°	1892.7	1925.7	2057.7	2189.7	2057.7	1925.7	1892.7	1672.2	1378.2	1231.1	1147.6
132.5°	1817.7	1847.2	1965.4	2083.6	1965.4	1847.2	1817.7	1620.2	1357.0	1225.4	1148.7
135°	1711.6	1737.1	1839.0	1940.9	1839.0	1737.1	1711.6	1546.3	1325.8	1215.6	1147.6
137.5°	1633.3	1654.2	1737.6	1821.0	1737.6	1654.2	1633.3	1493.5	1307.2	1214.0	1154.7
140°	1570.5	1590.0	1667.9	1745.9	1667.9	1590.0	1570.5	1449.8	1288.8	1208.3	1155.9
142.5°	1526.4	1543.2	1610.3	1677.4	1610.3	1543.2	1526.4	1420.4	1279.0	1208.3	1160.1
145°	1460.4	1473.0	1523.8	1574.5	1523.8	1473.0	1460.4	1373.6	1257.9	1200.1	1160.1
147.5°	1404.8	1415.4	1457.4	1499.5	1457.4	1415.4	1404.8	1336.6	1245.6	1200.1	1168.0
150°	1373.0	1381.6	1415.7	1449.8	1415.7	1381.6	1373.0	1315.4	1238.5	1200.1	1172.2
152.5°	1347.7	1354.2	1379.9	1405.7	1379.9	1354.2	1347.7	1298.5	1232.9	1200.1	1174.9
155°	1317.6	1321.8	1338.8	1355.9	1338.8	1321.8	1317.6	1278.4	1226.2	1200.1	1180.9
157.5°	1291.5	1294.4	1306.5	1318.4	1306.5	1294.4	1291.5	1261.0	1220.4	1200.1	1186.8
160°	1278.4	1280.1	1287.0	1293.9	1287.0	1280.1	1278.4	1252.3	1217.5	1200.1	1189.5
162.5°	1266.2	1267.9	1274.3	1280.8	1274.3	1267.9	1266.2	1244.1	1214.7	1200.1	1192.5
165°	1247.4	1249.2	1256.0	1262.9	1256.0	1249.2	1247.4	1231.7	1210.6	1200.1	1196.6
167.5°	1239.2	1239.9	1242.9	1245.8	1242.9	1239.9	1239.2	1229.0	1215.2	1208.3	1205.4
170°	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1229.0	1215.2	1208.3	1208.1
172.5°	1232.7	1232.1	1229.6	1227.0	1229.6	1232.1	1232.7	1224.6	1213.7	1208.3	1208.3
175°	1223.7	1223.7	1223.7	1223.7	1223.7	1223.7	1223.7	1218.6	1211.7	1208.3	1209.9
177.5°	1222.2	1221.5	1218.5	1215.6	1218.5	1221.5	1222.2	1218.1	1212.6	1209.9	1211.2
180°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6



TEST NUMBER: P935938

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1365.6	1372.1	1376.1	1381.3	1394.4
5°	1313.3	1338.1	1346.0	1365.6	1389.2
7.5°	1198.2	1274.0	1295.0	1342.1	1378.7
10°	1087.0	1162.9	1199.5	1310.7	1365.6
12.5°	1030.7	1075.2	1100.1	1255.7	1347.3
15°	995.4	1026.8	1045.1	1182.5	1326.4
17.5°	968.0	990.2	1003.3	1110.5	1297.6
20°	951.0	961.4	973.2	1058.2	1264.9
22.5°	939.2	932.6	941.8	1021.6	1220.4
25°	931.3	906.5	916.9	992.8	1168.1
27.5°	937.9	882.9	886.9	966.6	1113.2
30°	939.2	854.2	855.5	939.2	1051.7
32.5°	930.0	824.1	825.4	905.2	982.3
35°	907.8	788.8	787.4	865.9	888.2
37.5°	877.7	750.8	750.8	822.8	784.8
40°	841.1	712.9	716.8	766.5	693.3
42.5°	796.6	672.3	677.6	692.0	625.2
45°	748.2	633.1	637.0	584.7	572.9
47.5°	694.6	592.5	593.9	485.3	555.9
50°	630.5	550.7	545.5	416.0	554.6
52.5°	574.2	504.9	489.2	376.7	503.6
55°	519.3	456.5	422.5	346.6	467.0
57.5°	470.9	393.7	361.0	311.3	459.1
60°	426.4	332.2	307.4	273.4	421.2
62.5°	389.8	286.5	281.2	247.2	382.0
65°	350.6	255.1	253.8	225.0	324.4
67.5°	312.6	234.1	232.8	204.1	247.2
70°	272.1	211.9	209.3	181.8	183.1
72.5°	230.2	187.1	184.4	163.5	151.7
75°	188.4	158.3	157.0	142.6	123.0
77.5°	147.8	125.6	128.2	115.1	90.3
80°	106.0	91.6	94.2	82.4	68.0
82.5°	70.6	60.2	62.8	52.3	45.8
85°	39.2	34.0	35.3	27.5	20.9
87.5°	18.3	15.7	15.7	10.5	6.5
90°	35.9	22.8	21.2	14.7	8.2
92.5°	221.4	157.5	143.6	88.1	32.6
95°	544.8	306.8	281.4	179.8	78.3
97.5°	733.7	337.0	314.5	225.0	135.4
100°	802.5	362.2	341.9	260.7	179.5
102.5°	834.1	387.5	368.6	292.8	217.0
105°	857.5	425.0	409.0	344.8	280.6
107.5°	861.7	480.5	465.6	405.8	345.9
110°	855.3	511.5	498.0	444.0	390.0



TEST NUMBER: P935938

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	855.6	549.0	536.1	484.7	433.2
115°	863.4	605.4	593.5	546.0	498.5
117.5°	879.5	660.0	649.2	606.1	562.9
120°	892.5	691.9	681.8	641.1	600.5
122.5°	911.3	729.4	719.2	678.2	637.2
125°	936.6	777.5	768.2	730.8	693.4
127.5°	961.9	824.0	814.6	776.8	739.1
130°	980.4	855.0	844.9	804.3	763.6
132.5°	995.3	880.3	870.2	829.6	788.9
135°	1011.6	909.7	900.5	863.4	826.4
137.5°	1036.2	947.2	938.0	901.4	864.8
140°	1051.1	972.5	964.0	930.4	896.6
142.5°	1063.6	991.2	983.5	952.3	921.0
145°	1079.9	1019.8	1013.0	985.8	958.6
147.5°	1103.8	1055.7	1049.1	1022.6	996.1
150°	1116.3	1074.4	1068.4	1044.5	1020.6
152.5°	1124.5	1086.7	1082.2	1064.1	1045.9
155°	1142.5	1113.6	1110.3	1096.8	1083.4
157.5°	1160.4	1140.5	1137.3	1124.2	1111.1
160°	1168.5	1152.7	1150.2	1140.1	1130.0
162.5°	1177.2	1165.8	1163.9	1156.3	1148.7
165°	1189.7	1184.6	1182.8	1176.0	1169.1
167.5°	1199.6	1195.2	1194.4	1191.1	1187.9
170°	1207.7	1207.4	1206.6	1203.3	1200.1
172.5°	1208.3	1208.3	1208.1	1207.3	1206.6
175°	1213.2	1215.6	1215.6	1215.6	1215.6
177.5°	1213.7	1215.6	1215.6	1215.6	1215.6
180°	1215.6	1215.6	1215.6	1215.6	1215.6



TEST NUMBER: P935938
 CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3000K

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	10.22	10.93	11.32	12.03	13.55	13.04	13.76	14.15	14.86	16.37
	3H	10.69	11.33	11.80	12.43	13.97	14.38	15.02	15.49	16.12	17.66
	4H	10.87	11.48	11.99	12.59	14.12	14.81	15.42	15.93	16.53	18.07
	6H	10.98	11.54	12.11	12.65	14.20	15.09	15.65	16.22	16.76	18.31
	8H	10.98	11.51	12.11	12.64	14.18	15.16	15.69	16.29	16.82	18.36
	12H	10.94	11.45	12.08	12.57	14.14	15.19	15.70	16.33	16.82	18.38
4H	2H	11.23	11.84	12.36	12.95	14.49	13.43	14.04	14.56	15.15	16.69
	3H	12.25	12.75	13.38	13.89	15.44	14.93	15.43	16.06	16.57	18.12
	4H	12.52	12.98	13.65	14.11	15.68	15.45	15.91	16.58	17.04	18.61
	6H	12.63	13.03	13.78	14.18	15.74	15.80	16.20	16.95	17.35	18.91
	8H	12.63	13.01	13.78	14.15	15.72	15.90	16.28	17.05	17.41	18.99
	12H	12.59	12.93	13.76	14.08	15.67	15.95	16.29	17.11	17.44	19.02
8H	4H	12.96	13.33	14.10	14.47	16.05	15.56	15.93	16.70	17.07	18.65
	6H	13.21	13.52	14.38	14.70	16.27	15.99	16.29	17.15	17.48	19.05
	8H	13.25	13.52	14.42	14.68	16.28	16.14	16.41	17.31	17.57	19.16
	12H	13.23	13.47	14.40	14.62	16.25	16.23	16.46	17.40	17.62	19.25
12H	4H	12.96	13.29	14.12	14.44	16.03	15.52	15.85	16.68	17.00	18.59
	6H	13.27	13.54	14.44	14.70	16.29	15.98	16.25	17.15	17.41	19.01
	8H	13.33	13.57	14.51	14.72	16.35	16.14	16.37	17.31	17.53	19.16