

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: P935468

Luminaire Tested: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935468
REPORT IS A COMBINATION OF REPORTS P933756 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

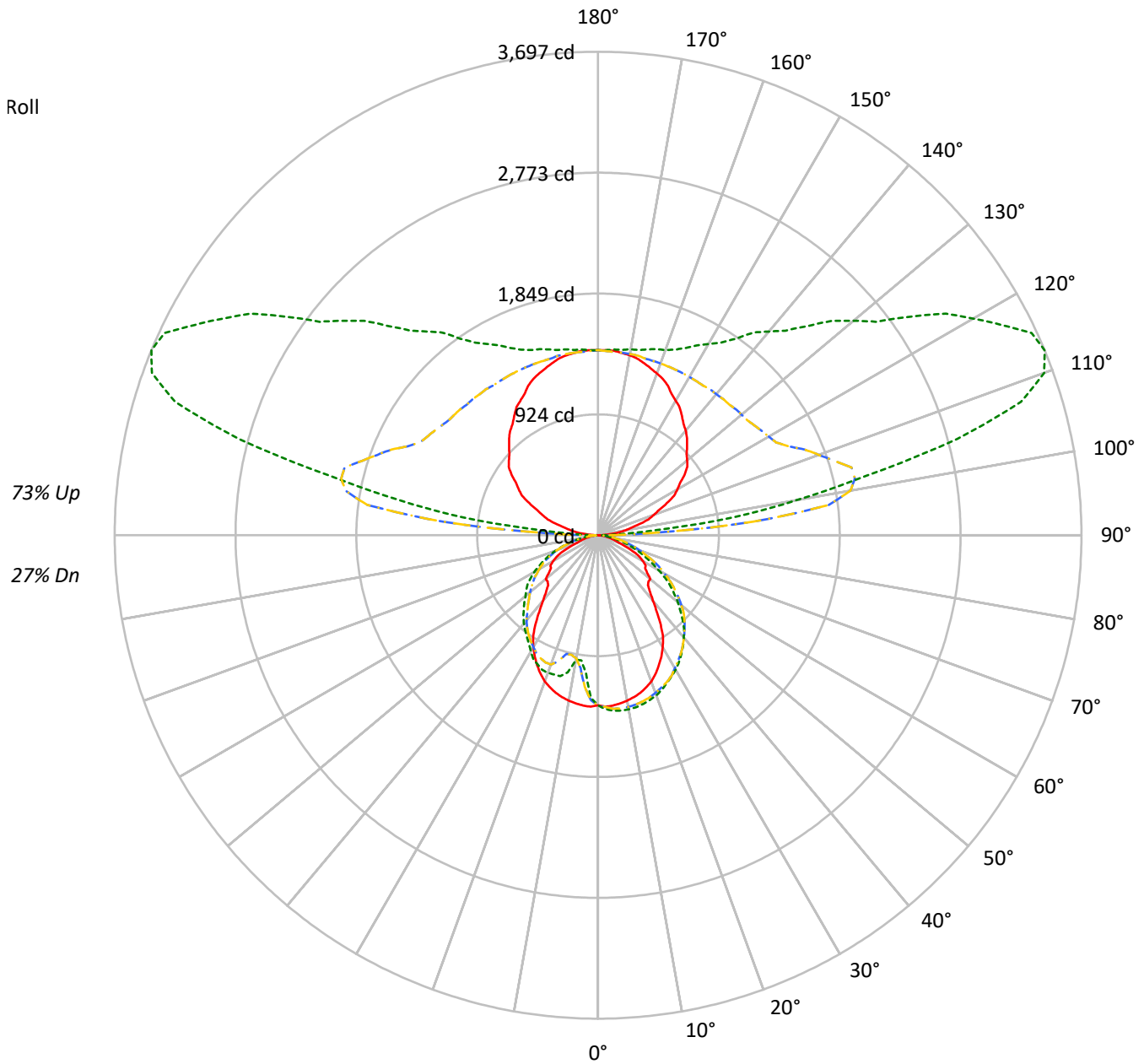
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12557.7 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 95.2
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

TEST NUMBER: P935468
CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27			27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23			23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19			19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16			16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14			14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12			12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10			10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9			9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8			8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7			7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7			7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6037	6037	6037	6037
5°	6082	6093	6082	4791
10°	6041	6003	6041	4291
15°	5975	5872	5975	4904
20°	5850	5718	5850	4914
25°	5594	5494	5594	4810
30°	5264	5307	5264	4581
35°	4692	5071	4692	4330
40°	3910	4793	3910	4140
45°	3494	4468	3494	3922
50°	3712	4081	3712	3703
55°	3492	3663	3492	3575
60°	3600	3111	3600	3275
65°	3263	2572	3263	2875
70°	2260	2049	2260	2409
75°	1982	1515	1982	1814
80°	1597	1002	1597	1090
85°	918	531	918	450

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5355 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	0.9
10°-20°	333.5	2.7
20°-30°	515.5	4.1
30°-40°	615.4	4.9
40°-50°	619.0	4.9
50°-60°	538.6	4.3
60°-70°	381.9	3.0
70°-80°	202.0	1.6
80°-90°	55.7	0.4
90°-100°	690.2	5.5
100°-110°	1814.6	14.4
110°-120°	1881.5	15.0
120°-130°	1509.2	12.0
130°-140°	1184.2	9.4
140°-150°	908.9	7.2
150°-160°	654.6	5.2
160°-170°	400.5	3.2
170°-180°	135.3	1.1
0°-30°	966.4	7.7
0°-40°	1581.7	12.6
0°-60°	2739.3	21.8
0°-90°	3378.8	26.9
90°-120°	4386.3	34.9
90°-150°	7988.5	63.6
90°-180°	9179.0	73.1
0°-180°	12557.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1301	1301	1301	1301	1301	
5°	1307	1348	1307	1060	1307	124
15°	1248	1336	1248	1115	1248	351
25°	1099	1246	1099	1091	1099	505
35°	836	1112	836	949	836	517
45°	539	916	539	804	539	432
55°	439	676	439	660	439	404
65°	305	408	305	456	305	292
75°	116	193	116	231	116	122
85°	20	49	20	42	20	27
90°	10	36	10	36	10	9
95°	91	417	91	417	91	101
105°	327	2841	327	2841	327	347
115°	581	3659	581	3659	581	573
125°	808	2914	808	2914	808	717
135°	963	2261	963	2261	963	745
145°	1117	1834	1117	1834	1117	700
155°	1262	1579	1262	1579	1262	580
165°	1362	1471	1362	1471	1362	384
175°	1416	1426	1416	1426	1416	134
180°	1416	1416	1416	1416	1416	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1312.1	1312.1	1319.6	1322.0	1322.0	1318.3	1314.6	1318.3	1329.4	1333.0	1331.9
5°	1307.3	1317.1	1330.7	1333.0	1335.5	1334.3	1331.9	1334.3	1346.6	1349.1	1350.3
7.5°	1297.3	1315.9	1333.0	1336.8	1340.5	1336.8	1335.5	1338.0	1350.3	1352.8	1352.8
10°	1285.0	1310.9	1330.7	1333.0	1336.8	1333.0	1333.0	1338.0	1350.3	1352.8	1354.0
12.5°	1267.8	1303.5	1322.0	1324.4	1329.4	1328.2	1326.9	1331.9	1344.1	1346.6	1346.6
15°	1248.2	1290.0	1307.3	1309.6	1318.3	1315.9	1315.9	1320.7	1334.3	1338.0	1336.8
17.5°	1221.1	1272.8	1292.5	1296.2	1302.3	1301.1	1302.3	1307.3	1319.6	1322.0	1323.2
20°	1190.3	1249.3	1272.8	1276.4	1282.6	1282.6	1282.6	1288.7	1301.1	1306.0	1306.0
22.5°	1148.4	1224.8	1249.3	1251.8	1259.3	1259.3	1261.6	1270.3	1281.4	1282.6	1282.6
25°	1099.2	1197.7	1218.6	1225.9	1233.4	1237.1	1240.7	1245.7	1249.3	1248.2	1249.3
27.5°	1047.5	1163.2	1190.3	1195.2	1205.0	1208.8	1213.7	1214.9	1216.1	1219.8	1217.4
30°	989.6	1115.2	1155.8	1160.8	1176.8	1179.2	1174.3	1176.8	1182.9	1185.4	1187.9
32.5°	924.4	1043.8	1120.1	1131.2	1146.0	1138.6	1137.4	1141.1	1150.9	1150.9	1153.4
35°	835.7	988.4	1086.9	1096.7	1107.8	1099.2	1104.2	1105.4	1111.5	1115.2	1114.0
37.5°	738.6	940.5	1052.4	1059.8	1068.5	1057.4	1064.7	1068.5	1073.3	1070.9	1070.9
40°	652.4	865.3	1011.9	1016.7	1024.1	1015.5	1022.9	1025.3	1027.8	1025.3	1024.1
42.5°	588.3	782.9	968.7	974.9	969.9	976.2	978.5	983.5	979.8	974.9	974.9
45°	539.1	760.7	921.9	929.3	921.9	931.8	935.5	935.5	924.4	921.9	920.7
47.5°	523.2	716.4	875.2	875.2	871.4	883.8	890.0	881.4	870.3	866.6	866.6
50°	521.9	667.2	811.2	806.3	823.4	838.2	832.1	823.4	814.8	801.3	801.3
52.5°	473.9	606.9	728.7	747.2	774.3	782.9	773.0	764.4	749.7	743.4	738.6
55°	439.4	544.1	653.6	690.6	718.8	729.9	711.5	702.9	680.7	677.0	674.5
57.5°	432.1	453.0	584.7	631.5	665.9	664.7	653.6	637.6	619.2	615.5	614.2
60°	396.4	327.4	510.8	566.2	601.9	598.2	588.3	573.6	556.4	553.9	551.4
62.5°	359.5	237.6	427.1	489.9	540.3	539.1	530.5	508.4	496.0	489.9	485.0
65°	305.2	199.4	304.0	407.5	480.0	482.5	464.1	448.0	434.5	427.1	425.9
67.5°	232.6	162.5	205.6	339.7	422.2	419.8	396.4	389.0	371.8	368.1	360.7
70°	172.3	108.3	142.8	275.8	365.6	359.5	340.9	332.4	316.3	307.7	302.8
72.5°	142.8	87.4	104.6	214.2	307.7	300.4	284.3	274.5	261.0	253.6	248.6
75°	115.7	92.3	80.0	158.8	249.9	244.9	230.2	220.3	209.2	199.4	200.6
77.5°	85.0	86.2	64.0	116.9	198.2	190.8	182.2	169.9	164.9	155.1	155.1
80°	64.0	67.7	48.0	80.0	142.8	142.8	135.4	126.8	118.2	113.2	113.2
82.5°	43.0	43.0	35.7	50.5	97.3	93.5	88.6	86.2	81.2	78.7	78.7
85°	19.7	24.6	22.1	30.7	53.0	55.4	55.4	53.0	51.7	49.3	50.5
87.5°	6.1	11.1	13.6	17.3	27.1	28.4	29.5	29.5	29.5	30.7	30.7
90°	9.5	17.2	24.7	26.6	41.8	62.1	72.2	64.1	48.1	36.1	36.1
92.5°	38.0	102.6	167.3	183.4	257.9	357.1	406.7	356.4	255.9	180.5	173.4
95°	91.2	209.5	327.8	357.4	634.5	1004.1	1188.8	1060.9	804.9	612.9	591.2
97.5°	157.8	262.1	366.4	392.5	854.6	1470.9	1779.0	1698.1	1536.3	1415.0	1373.6
100°	209.1	303.7	398.3	422.0	934.8	1618.5	1960.5	1966.3	1978.2	1987.1	1937.8
102.5°	252.7	341.0	429.3	451.4	971.6	1665.1	2011.8	2114.8	2320.9	2475.5	2433.3
105°	326.9	401.7	476.4	495.1	998.7	1670.3	2006.1	2237.1	2699.1	3045.6	3023.0
107.5°	403.0	472.6	542.3	559.7	1003.8	1596.0	1892.0	2214.3	2858.8	3342.2	3347.7
110°	454.3	517.2	580.2	595.9	996.2	1530.1	1797.0	2157.3	2877.8	3418.1	3441.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	504.6	564.6	624.6	639.5	996.5	1472.5	1710.5	2079.2	2816.6	3369.7	3406.0
115°	580.6	636.0	691.2	705.1	1005.7	1406.6	1607.0	1962.1	2672.5	3205.3	3255.7
117.5°	655.7	706.0	756.2	768.8	1024.4	1365.3	1535.7	1856.2	2497.3	2978.2	3034.1
120°	699.4	746.7	794.0	805.8	1039.6	1351.3	1507.1	1800.1	2385.8	2825.2	2879.5
122.5°	742.1	789.9	837.6	849.5	1061.4	1344.0	1485.3	1749.0	2276.6	2672.2	2725.7
125°	807.8	851.3	894.8	905.6	1090.9	1338.0	1461.5	1685.6	2133.7	2469.8	2519.1
127.5°	861.0	904.9	948.8	959.8	1120.4	1334.5	1441.6	1634.0	2018.7	2307.3	2348.8
130°	889.4	936.8	984.0	995.9	1141.9	1336.6	1434.0	1605.2	1947.8	2204.7	2243.1
132.5°	918.9	966.2	1013.5	1025.3	1159.3	1338.0	1427.3	1580.6	1887.2	2117.2	2151.6
135°	962.7	1005.7	1048.8	1059.6	1178.3	1336.7	1415.9	1544.3	1801.1	1993.7	2023.3
137.5°	1007.3	1049.9	1092.6	1103.3	1206.9	1345.0	1414.0	1522.5	1739.7	1902.5	1926.8
140°	1044.3	1083.6	1122.9	1132.7	1224.3	1346.4	1407.4	1501.2	1688.7	1829.3	1852.0
142.5°	1072.9	1109.2	1145.5	1154.6	1238.8	1351.2	1407.4	1489.7	1654.4	1777.9	1797.5
145°	1116.6	1148.2	1180.0	1187.9	1257.9	1351.2	1397.8	1465.2	1600.0	1701.0	1715.8
147.5°	1160.3	1191.2	1222.0	1229.7	1285.8	1360.5	1397.8	1450.9	1556.9	1636.4	1648.6
150°	1188.8	1216.7	1244.6	1251.6	1300.3	1365.3	1397.8	1442.6	1532.2	1599.4	1609.3
152.5°	1218.2	1239.3	1260.5	1265.8	1309.8	1368.5	1397.8	1436.1	1512.5	1569.9	1577.4
155°	1262.0	1277.6	1293.2	1297.2	1330.7	1375.4	1397.8	1428.3	1489.1	1534.8	1539.7
157.5°	1294.3	1309.5	1324.7	1328.5	1351.6	1382.4	1397.8	1421.5	1468.8	1504.3	1507.8
160°	1316.2	1328.0	1339.8	1342.8	1361.1	1385.6	1397.8	1418.1	1458.7	1489.1	1491.1
162.5°	1338.0	1346.8	1355.7	1357.9	1371.2	1388.9	1397.8	1414.9	1449.1	1474.8	1476.8
165°	1361.8	1369.8	1377.8	1379.8	1385.8	1393.8	1397.8	1410.1	1434.6	1453.0	1455.0
167.5°	1383.6	1387.4	1391.2	1392.1	1397.2	1404.0	1407.4	1415.4	1431.4	1443.4	1444.3
170°	1397.8	1401.7	1405.5	1406.5	1406.7	1407.2	1407.4	1415.4	1431.4	1443.4	1443.4
172.5°	1405.4	1406.3	1407.2	1407.4	1407.4	1407.4	1407.4	1413.7	1426.4	1435.9	1435.2
175°	1415.9	1415.9	1415.9	1415.9	1413.1	1409.3	1407.4	1411.4	1419.4	1425.5	1425.5
177.5°	1415.9	1415.9	1415.9	1415.9	1413.7	1410.8	1409.3	1412.4	1418.8	1423.5	1422.7
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1334.3	1330.7	1334.3	1331.9	1333.0	1329.4	1318.3	1314.6	1318.3	1322.0	1322.0
5°	1350.3	1347.8	1350.3	1350.3	1349.1	1346.6	1334.3	1331.9	1334.3	1335.5	1333.0
7.5°	1355.3	1351.6	1355.3	1352.8	1352.8	1350.3	1338.0	1335.5	1336.8	1340.5	1336.8
10°	1355.3	1351.6	1355.3	1354.0	1352.8	1350.3	1338.0	1333.0	1333.0	1336.8	1333.0
12.5°	1349.1	1346.6	1349.1	1346.6	1346.6	1344.1	1331.9	1326.9	1328.2	1329.4	1324.4
15°	1339.2	1335.5	1339.2	1336.8	1338.0	1334.3	1320.7	1315.9	1315.9	1318.3	1309.6
17.5°	1324.4	1319.6	1324.4	1323.2	1322.0	1319.6	1307.3	1302.3	1301.1	1302.3	1296.2
20°	1307.3	1303.5	1307.3	1306.0	1306.0	1301.1	1288.7	1282.6	1282.6	1282.6	1276.4
22.5°	1280.2	1276.4	1280.2	1282.6	1282.6	1281.4	1270.3	1261.6	1259.3	1259.3	1251.8
25°	1249.3	1245.7	1249.3	1249.3	1248.2	1249.3	1245.7	1240.7	1237.1	1233.4	1225.9
27.5°	1219.8	1217.4	1219.8	1217.4	1219.8	1216.1	1214.9	1213.7	1208.8	1205.0	1195.2
30°	1190.3	1187.9	1190.3	1187.9	1185.4	1182.9	1176.8	1174.3	1179.2	1176.8	1160.8
32.5°	1153.4	1150.9	1153.4	1153.4	1150.9	1150.9	1141.1	1137.4	1138.6	1146.0	1131.2
35°	1115.2	1111.5	1115.2	1114.0	1115.2	1111.5	1105.4	1104.2	1099.2	1107.8	1096.7
37.5°	1070.9	1067.2	1070.9	1070.9	1070.9	1073.3	1068.5	1064.7	1057.4	1068.5	1059.8
40°	1025.3	1020.4	1025.3	1024.1	1025.3	1027.8	1025.3	1022.9	1015.5	1024.1	1016.7
42.5°	973.7	972.4	973.7	974.9	974.9	979.8	983.5	978.5	976.2	969.9	974.9
45°	918.2	915.8	918.2	920.7	921.9	924.4	935.5	935.5	931.8	921.9	929.3
47.5°	859.1	853.0	859.1	866.6	866.6	870.3	881.4	890.0	883.8	871.4	875.2
50°	796.4	797.7	796.4	801.3	801.3	814.8	823.4	832.1	838.2	823.4	806.3
52.5°	734.9	733.6	734.9	738.6	743.4	749.7	764.4	773.0	782.9	774.3	747.2
55°	673.3	675.8	673.3	674.5	677.0	680.7	702.9	711.5	729.9	718.8	690.6
57.5°	611.7	608.1	611.7	614.2	615.5	619.2	637.6	653.6	664.7	665.9	631.5
60°	540.3	535.5	540.3	551.4	553.9	556.4	573.6	588.3	598.2	601.9	566.2
62.5°	477.6	468.9	477.6	485.0	489.9	496.0	508.4	530.5	539.1	540.3	489.9
65°	411.1	407.5	411.1	425.9	427.1	434.5	448.0	464.1	482.5	480.0	407.5
67.5°	350.8	350.8	350.8	360.7	368.1	371.8	389.0	396.4	419.8	422.2	339.7
70°	295.4	294.2	295.4	302.8	307.7	316.3	332.4	340.9	359.5	365.6	275.8
72.5°	242.5	241.3	242.5	248.6	253.6	261.0	274.5	284.3	300.4	307.7	214.2
75°	195.7	193.3	195.7	200.6	199.4	209.2	220.3	230.2	244.9	249.9	158.8
77.5°	150.1	150.1	150.1	155.1	155.1	164.9	169.9	182.2	190.8	198.2	116.9
80°	112.1	110.8	112.1	113.2	113.2	118.2	126.8	135.4	142.8	142.8	80.0
82.5°	78.7	76.4	78.7	78.7	78.7	81.2	86.2	88.6	93.5	97.3	50.5
85°	49.3	49.3	49.3	50.5	49.3	51.7	53.0	55.4	55.4	53.0	30.7
87.5°	32.0	30.7	32.0	30.7	30.7	29.5	29.5	29.5	28.4	27.1	17.3
90°	36.1	36.1	36.1	36.1	36.1	48.1	64.1	72.2	62.1	41.8	26.6
92.5°	144.6	115.9	144.6	173.4	180.5	255.9	356.4	406.7	357.1	257.9	183.4
95°	504.2	417.2	504.2	591.2	612.9	804.9	1060.9	1188.8	1004.1	634.5	357.4
97.5°	1208.1	1042.5	1208.1	1373.6	1415.0	1536.3	1698.1	1779.0	1470.9	854.6	392.5
100°	1740.5	1543.3	1740.5	1937.8	1987.1	1978.2	1966.3	1960.5	1618.5	934.8	422.0
102.5°	2264.3	2095.4	2264.3	2433.3	2475.5	2320.9	2114.8	2011.8	1665.1	971.6	451.4
105°	2932.1	2841.4	2932.1	3023.0	3045.6	2699.1	2237.1	2006.1	1670.3	998.7	495.1
107.5°	3369.6	3391.5	3369.6	3347.7	3342.2	2858.8	2214.3	1892.0	1596.0	1003.8	559.7
110°	3536.4	3631.0	3536.4	3441.8	3418.1	2877.8	2157.3	1797.0	1530.1	996.2	595.9



TEST NUMBER: P935468

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3551.3	3696.6	3551.3	3406.0	3369.7	2816.6	2079.2	1710.5	1472.5	996.5	639.5
115°	3457.1	3658.6	3457.1	3255.7	3205.3	2672.5	1962.1	1607.0	1406.6	1005.7	705.1
117.5°	3257.5	3480.9	3257.5	3034.1	2978.2	2497.3	1856.2	1535.7	1365.3	1024.4	768.8
120°	3096.6	3313.6	3096.6	2879.5	2825.2	2385.8	1800.1	1507.1	1351.3	1039.6	805.8
122.5°	2939.9	3154.0	2939.9	2725.7	2672.2	2276.6	1749.0	1485.3	1344.0	1061.4	849.5
125°	2716.4	2913.6	2716.4	2519.1	2469.8	2133.7	1685.6	1461.5	1338.0	1090.9	905.6
127.5°	2515.3	2681.7	2515.3	2348.8	2307.3	2018.7	1634.0	1441.6	1334.5	1120.4	959.8
130°	2396.8	2550.5	2396.8	2243.1	2204.7	1947.8	1605.2	1434.0	1336.6	1141.9	995.9
132.5°	2289.4	2427.0	2289.4	2151.6	2117.2	1887.2	1580.6	1427.3	1338.0	1159.3	1025.3
135°	2142.1	2260.7	2142.1	2023.3	1993.7	1801.1	1544.3	1415.9	1336.7	1178.3	1059.6
137.5°	2023.9	2121.1	2023.9	1926.8	1902.5	1739.7	1522.5	1414.0	1345.0	1206.9	1103.3
140°	1942.9	2033.6	1942.9	1852.0	1829.3	1688.7	1501.2	1407.4	1346.4	1224.3	1132.7
142.5°	1875.6	1953.8	1875.6	1797.5	1777.9	1654.4	1489.7	1407.4	1351.2	1238.8	1154.6
145°	1774.9	1834.0	1774.9	1715.8	1701.0	1600.0	1465.2	1397.8	1351.2	1257.9	1187.9
147.5°	1697.6	1746.6	1697.6	1648.6	1636.4	1556.9	1450.9	1397.8	1360.5	1285.8	1229.7
150°	1649.0	1688.7	1649.0	1609.3	1599.4	1532.2	1442.6	1397.8	1365.3	1300.3	1251.6
152.5°	1607.3	1637.4	1607.3	1577.4	1569.9	1512.5	1436.1	1397.8	1368.5	1309.8	1265.8
155°	1559.5	1579.4	1559.5	1539.7	1534.8	1489.1	1428.3	1397.8	1375.4	1330.7	1297.2
157.5°	1521.7	1535.7	1521.7	1507.8	1504.3	1468.8	1421.5	1397.8	1382.4	1351.6	1328.5
160°	1499.1	1507.1	1499.1	1491.1	1489.1	1458.7	1418.1	1397.8	1385.6	1361.1	1342.8
162.5°	1484.4	1492.0	1484.4	1476.8	1474.8	1449.1	1414.9	1397.8	1388.9	1371.2	1357.9
165°	1463.0	1471.1	1463.0	1455.0	1453.0	1434.6	1410.1	1397.8	1393.8	1385.8	1379.8
167.5°	1447.7	1451.1	1447.7	1444.3	1443.4	1431.4	1415.4	1407.4	1404.0	1397.2	1392.1
170°	1443.4	1443.4	1443.4	1443.4	1443.4	1431.4	1415.4	1407.4	1407.2	1406.7	1406.5
172.5°	1432.2	1429.2	1432.2	1435.2	1435.9	1426.4	1413.7	1407.4	1407.4	1407.4	1407.4
175°	1425.5	1425.5	1425.5	1425.5	1425.5	1419.4	1411.4	1407.4	1409.3	1413.1	1415.9
177.5°	1419.3	1415.9	1419.3	1422.7	1423.5	1418.8	1412.4	1409.3	1410.8	1413.7	1415.9
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935468

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1319.6	1312.1	1312.1	1299.8	1295.0	1291.2	1285.0	1266.6	1261.6	1256.8	1264.1
5°	1330.7	1317.1	1307.3	1285.0	1266.6	1259.3	1235.9	1191.5	1162.0	1139.8	1127.5
7.5°	1333.0	1315.9	1297.3	1262.9	1218.6	1198.9	1127.5	1046.3	1024.1	1004.4	992.1
10°	1330.7	1310.9	1285.0	1233.4	1128.8	1094.3	1022.9	969.9	956.4	952.8	956.4
12.5°	1322.0	1303.5	1267.8	1181.7	1035.2	1011.9	969.9	939.2	936.7	942.8	976.2
15°	1307.3	1290.0	1248.2	1112.7	983.5	966.2	936.7	925.7	939.2	982.3	1082.0
17.5°	1292.5	1272.8	1221.1	1045.1	944.1	931.8	910.9	933.0	1009.4	1067.2	1100.4
20°	1272.8	1249.3	1190.3	995.8	915.8	904.8	894.8	994.6	1052.4	1073.3	1091.8
22.5°	1249.3	1224.8	1148.4	961.4	886.2	877.7	883.8	1029.0	1052.4	1067.2	1083.2
25°	1218.6	1197.7	1099.2	934.3	862.9	853.0	876.4	1025.3	1038.9	1042.6	1074.6
27.5°	1190.3	1163.2	1047.5	909.6	834.6	830.9	882.5	1009.4	1019.2	1022.9	1057.4
30°	1155.8	1115.2	989.6	883.8	805.0	803.8	883.8	989.6	987.2	997.1	1031.5
32.5°	1120.1	1043.8	924.4	851.8	776.7	775.5	875.2	960.1	957.6	971.2	997.1
35°	1086.9	988.4	835.7	814.8	741.0	742.2	854.3	925.7	926.9	939.2	955.2
37.5°	1052.4	940.5	738.6	774.3	706.5	706.5	825.9	893.7	891.2	894.8	917.1
40°	1011.9	865.3	652.4	721.3	674.5	670.8	791.5	859.1	850.5	849.3	880.1
42.5°	968.7	782.9	588.3	651.2	637.6	632.7	749.7	817.3	801.3	805.0	844.4
45°	921.9	760.7	539.1	550.2	599.4	595.8	704.1	769.3	758.2	768.1	808.7
47.5°	875.2	716.4	523.2	456.6	558.9	557.6	653.6	722.5	716.4	726.3	769.3
50°	811.2	667.2	521.9	391.4	513.3	518.2	593.3	677.0	677.0	685.6	731.1
52.5°	728.7	606.9	473.9	354.5	460.3	475.1	540.3	637.6	640.1	648.7	689.3
55°	653.6	544.1	439.4	326.1	397.5	429.6	488.7	597.0	601.9	610.5	647.4
57.5°	584.7	453.0	432.1	292.9	339.7	370.5	443.2	557.6	560.1	567.4	603.1
60°	510.8	327.4	396.4	257.2	289.3	312.7	401.3	510.8	519.4	524.4	555.1
62.5°	427.1	237.6	359.5	232.6	264.7	269.5	366.8	466.6	477.6	481.3	499.8
65°	304.0	199.4	305.2	211.7	238.8	240.1	329.9	420.9	430.9	437.0	450.5
67.5°	205.6	162.5	232.6	192.0	219.1	220.3	294.2	368.1	381.6	386.5	395.2
70°	142.8	108.3	172.3	171.1	196.9	199.4	256.0	320.0	332.4	336.1	340.9
72.5°	104.6	87.4	142.8	153.9	173.5	176.0	216.7	265.9	278.2	281.9	284.3
75°	80.0	92.3	115.7	134.2	147.7	148.9	177.2	216.7	225.3	227.7	229.0
77.5°	64.0	86.2	85.0	108.3	120.6	118.2	139.1	167.4	174.8	174.8	174.8
80°	48.0	67.7	64.0	77.5	88.6	86.2	99.7	119.4	121.9	124.3	123.1
82.5°	35.7	43.0	43.0	49.3	59.1	56.6	66.4	77.5	77.5	77.5	80.0
85°	22.1	24.6	19.7	25.9	33.2	32.0	36.9	41.8	43.0	43.0	40.7
87.5°	13.6	11.1	6.1	9.8	14.8	14.8	17.3	18.4	17.3	17.3	17.3
90°	24.7	17.2	9.5	17.2	24.7	26.6	41.8	62.1	72.2	64.1	48.1
92.5°	167.3	102.6	38.0	102.6	167.3	183.4	257.9	357.1	406.7	356.4	255.9
95°	327.8	209.5	91.2	209.5	327.8	357.4	634.5	1004.1	1188.8	1060.9	804.9
97.5°	366.4	262.1	157.8	262.1	366.4	392.5	854.6	1470.9	1779.0	1698.1	1536.3
100°	398.3	303.7	209.1	303.7	398.3	422.0	934.8	1618.5	1960.5	1966.3	1978.2
102.5°	429.3	341.0	252.7	341.0	429.3	451.4	971.6	1665.1	2011.8	2114.8	2320.9
105°	476.4	401.7	326.9	401.7	476.4	495.1	998.7	1670.3	2006.1	2237.1	2699.1
107.5°	542.3	472.6	403.0	472.6	542.3	559.7	1003.8	1596.0	1892.0	2214.3	2858.8
110°	580.2	517.2	454.3	517.2	580.2	595.9	996.2	1530.1	1797.0	2157.3	2877.8



TEST NUMBER: P935468

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	624.6	564.6	504.6	564.6	624.6	639.5	996.5	1472.5	1710.5	2079.2	2816.6
115°	691.2	636.0	580.6	636.0	691.2	705.1	1005.7	1406.6	1607.0	1962.1	2672.5
117.5°	756.2	706.0	655.7	706.0	756.2	768.8	1024.4	1365.3	1535.7	1856.2	2497.3
120°	794.0	746.7	699.4	746.7	794.0	805.8	1039.6	1351.3	1507.1	1800.1	2385.8
122.5°	837.6	789.9	742.1	789.9	837.6	849.5	1061.4	1344.0	1485.3	1749.0	2276.6
125°	894.8	851.3	807.8	851.3	894.8	905.6	1090.9	1338.0	1461.5	1685.6	2133.7
127.5°	948.8	904.9	861.0	904.9	948.8	959.8	1120.4	1334.5	1441.6	1634.0	2018.7
130°	984.0	936.8	889.4	936.8	984.0	995.9	1141.9	1336.6	1434.0	1605.2	1947.8
132.5°	1013.5	966.2	918.9	966.2	1013.5	1025.3	1159.3	1338.0	1427.3	1580.6	1887.2
135°	1048.8	1005.7	962.7	1005.7	1048.8	1059.6	1178.3	1336.7	1415.9	1544.3	1801.1
137.5°	1092.6	1049.9	1007.3	1049.9	1092.6	1103.3	1206.9	1345.0	1414.0	1522.5	1739.7
140°	1122.9	1083.6	1044.3	1083.6	1122.9	1132.7	1224.3	1346.4	1407.4	1501.2	1688.7
142.5°	1145.5	1109.2	1072.9	1109.2	1145.5	1154.6	1238.8	1351.2	1407.4	1489.7	1654.4
145°	1180.0	1148.2	1116.6	1148.2	1180.0	1187.9	1257.9	1351.2	1397.8	1465.2	1600.0
147.5°	1222.0	1191.2	1160.3	1191.2	1222.0	1229.7	1285.8	1360.5	1397.8	1450.9	1556.9
150°	1244.6	1216.7	1188.8	1216.7	1244.6	1251.6	1300.3	1365.3	1397.8	1442.6	1532.2
152.5°	1260.5	1239.3	1218.2	1239.3	1260.5	1265.8	1309.8	1368.5	1397.8	1436.1	1512.5
155°	1293.2	1277.6	1262.0	1277.6	1293.2	1297.2	1330.7	1375.4	1397.8	1428.3	1489.1
157.5°	1324.7	1309.5	1294.3	1309.5	1324.7	1328.5	1351.6	1382.4	1397.8	1421.5	1468.8
160°	1339.8	1328.0	1316.2	1328.0	1339.8	1342.8	1361.1	1385.6	1397.8	1418.1	1458.7
162.5°	1355.7	1346.8	1338.0	1346.8	1355.7	1357.9	1371.2	1388.9	1397.8	1414.9	1449.1
165°	1377.8	1369.8	1361.8	1369.8	1377.8	1379.8	1385.8	1393.8	1397.8	1410.1	1434.6
167.5°	1391.2	1387.4	1383.6	1387.4	1391.2	1392.1	1397.2	1404.0	1407.4	1415.4	1431.4
170°	1405.5	1401.7	1397.8	1401.7	1405.5	1406.5	1406.7	1407.2	1407.4	1415.4	1431.4
172.5°	1407.2	1406.3	1405.4	1406.3	1407.2	1407.4	1407.4	1407.4	1407.4	1413.7	1426.4
175°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1413.1	1409.3	1407.4	1411.4	1419.4
177.5°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1413.7	1410.8	1409.3	1412.4	1418.8
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935468

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1255.5	1251.8	1256.8	1243.2	1256.8	1251.8	1255.5	1264.1	1256.8	1261.6	1266.6
5°	1101.7	1095.5	1075.8	1059.8	1075.8	1095.5	1101.7	1127.5	1139.8	1162.0	1191.5
7.5°	984.7	979.8	974.9	965.0	974.9	979.8	984.7	992.1	1004.4	1024.1	1046.3
10°	958.9	960.1	967.5	966.2	967.5	960.1	958.9	956.4	952.8	956.4	969.9
12.5°	1025.3	1036.4	1077.0	1074.6	1077.0	1036.4	1025.3	976.2	942.8	936.7	939.2
15°	1101.7	1105.4	1114.0	1115.2	1114.0	1105.4	1101.7	1082.0	982.3	939.2	925.7
17.5°	1109.0	1110.3	1116.5	1116.5	1116.5	1110.3	1109.0	1100.4	1067.2	1009.4	933.0
20°	1102.9	1105.4	1117.7	1120.1	1117.7	1105.4	1102.9	1091.8	1073.3	1052.4	994.6
22.5°	1100.4	1105.4	1115.2	1114.0	1115.2	1105.4	1100.4	1083.2	1067.2	1052.4	1029.0
25°	1088.1	1088.1	1089.4	1090.6	1089.4	1088.1	1088.1	1074.6	1042.6	1038.9	1025.3
27.5°	1062.2	1064.7	1072.1	1070.9	1072.1	1064.7	1062.2	1057.4	1022.9	1019.2	1009.4
30°	1038.9	1036.4	1030.3	1025.3	1030.3	1036.4	1038.9	1031.5	997.1	987.2	989.6
32.5°	999.5	993.3	987.2	983.5	987.2	993.3	999.5	997.1	971.2	957.6	960.1
35°	952.8	953.9	952.8	949.0	952.8	953.9	952.8	955.2	939.2	926.9	925.7
37.5°	919.5	921.9	920.7	915.8	920.7	921.9	919.5	917.1	894.8	891.2	893.7
40°	885.0	886.2	885.0	881.4	885.0	886.2	885.0	880.1	849.3	850.5	859.1
42.5°	851.8	850.5	846.8	844.4	846.8	850.5	851.8	844.4	805.0	801.3	817.3
45°	813.6	814.8	807.5	803.8	807.5	814.8	813.6	808.7	768.1	758.2	769.3
47.5°	775.5	775.5	769.3	765.6	769.3	775.5	775.5	769.3	726.3	716.4	722.5
50°	734.9	733.6	725.0	723.8	725.0	733.6	734.9	731.1	685.6	677.0	677.0
52.5°	688.1	688.1	689.3	691.8	689.3	688.1	688.1	689.3	648.7	640.1	637.6
55°	647.4	648.7	657.3	659.7	657.3	648.7	647.4	647.4	610.5	601.9	597.0
57.5°	605.6	605.6	611.7	611.7	611.7	605.6	605.6	603.1	567.4	560.1	557.6
60°	557.6	560.1	565.0	563.7	565.0	560.1	557.6	555.1	524.4	519.4	510.8
62.5°	507.1	509.6	510.8	508.4	510.8	509.6	507.1	499.8	481.3	477.6	466.6
65°	454.2	456.6	457.9	455.5	457.9	456.6	454.2	450.5	437.0	430.9	420.9
67.5°	400.0	398.8	397.5	402.5	397.5	398.8	400.0	395.2	386.5	381.6	368.1
70°	344.7	344.7	343.4	345.9	343.4	344.7	344.7	340.9	336.1	332.4	320.0
72.5°	285.6	284.3	289.3	285.6	289.3	284.3	285.6	284.3	281.9	278.2	265.9
75°	227.7	230.2	227.7	231.4	227.7	230.2	227.7	229.0	227.7	225.3	216.7
77.5°	173.5	176.0	173.5	173.5	173.5	176.0	173.5	174.8	174.8	174.8	167.4
80°	123.1	121.9	121.9	120.6	121.9	121.9	123.1	123.1	124.3	121.9	119.4
82.5°	78.7	77.5	77.5	80.0	77.5	77.5	78.7	80.0	77.5	77.5	77.5
85°	43.0	44.3	41.8	41.8	41.8	44.3	43.0	40.7	43.0	43.0	41.8
87.5°	16.0	14.8	14.8	14.8	14.8	14.8	16.0	17.3	17.3	17.3	18.4
90°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	48.1	64.1	72.2	62.1
92.5°	180.5	173.4	144.6	115.9	144.6	173.4	180.5	255.9	356.4	406.7	357.1
95°	612.9	591.2	504.2	417.2	504.2	591.2	612.9	804.9	1060.9	1188.8	1004.1
97.5°	1415.0	1373.6	1208.1	1042.5	1208.1	1373.6	1415.0	1536.3	1698.1	1779.0	1470.9
100°	1987.1	1937.8	1740.5	1543.3	1740.5	1937.8	1987.1	1978.2	1966.3	1960.5	1618.5
102.5°	2475.5	2433.3	2264.3	2095.4	2264.3	2433.3	2475.5	2320.9	2114.8	2011.8	1665.1
105°	3045.6	3023.0	2932.1	2841.4	2932.1	3023.0	3045.6	2699.1	2237.1	2006.1	1670.3
107.5°	3342.2	3347.7	3369.6	3391.5	3369.6	3347.7	3342.2	2858.8	2214.3	1892.0	1596.0
110°	3418.1	3441.8	3536.4	3631.0	3536.4	3441.8	3418.1	2877.8	2157.3	1797.0	1530.1



TEST NUMBER: P935468

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3369.7	3406.0	3551.3	3696.6	3551.3	3406.0	3369.7	2816.6	2079.2	1710.5	1472.5
115°	3205.3	3255.7	3457.1	3658.6	3457.1	3255.7	3205.3	2672.5	1962.1	1607.0	1406.6
117.5°	2978.2	3034.1	3257.5	3480.9	3257.5	3034.1	2978.2	2497.3	1856.2	1535.7	1365.3
120°	2825.2	2879.5	3096.6	3313.6	3096.6	2879.5	2825.2	2385.8	1800.1	1507.1	1351.3
122.5°	2672.2	2725.7	2939.9	3154.0	2939.9	2725.7	2672.2	2276.6	1749.0	1485.3	1344.0
125°	2469.8	2519.1	2716.4	2913.6	2716.4	2519.1	2469.8	2133.7	1685.6	1461.5	1338.0
127.5°	2307.3	2348.8	2515.3	2681.7	2515.3	2348.8	2307.3	2018.7	1634.0	1441.6	1334.5
130°	2204.7	2243.1	2396.8	2550.5	2396.8	2243.1	2204.7	1947.8	1605.2	1434.0	1336.6
132.5°	2117.2	2151.6	2289.4	2427.0	2289.4	2151.6	2117.2	1887.2	1580.6	1427.3	1338.0
135°	1993.7	2023.3	2142.1	2260.7	2142.1	2023.3	1993.7	1801.1	1544.3	1415.9	1336.7
137.5°	1902.5	1926.8	2023.9	2121.1	2023.9	1926.8	1902.5	1739.7	1522.5	1414.0	1345.0
140°	1829.3	1852.0	1942.9	2033.6	1942.9	1852.0	1829.3	1688.7	1501.2	1407.4	1346.4
142.5°	1777.9	1797.5	1875.6	1953.8	1875.6	1797.5	1777.9	1654.4	1489.7	1407.4	1351.2
145°	1701.0	1715.8	1774.9	1834.0	1774.9	1715.8	1701.0	1600.0	1465.2	1397.8	1351.2
147.5°	1636.4	1648.6	1697.6	1746.6	1697.6	1648.6	1636.4	1556.9	1450.9	1397.8	1360.5
150°	1599.4	1609.3	1649.0	1688.7	1649.0	1609.3	1599.4	1532.2	1442.6	1397.8	1365.3
152.5°	1569.9	1577.4	1607.3	1637.4	1607.3	1577.4	1569.9	1512.5	1436.1	1397.8	1368.5
155°	1534.8	1539.7	1559.5	1579.4	1559.5	1539.7	1534.8	1489.1	1428.3	1397.8	1375.4
157.5°	1504.3	1507.8	1521.7	1535.7	1521.7	1507.8	1504.3	1468.8	1421.5	1397.8	1382.4
160°	1489.1	1491.1	1499.1	1507.1	1499.1	1491.1	1489.1	1458.7	1418.1	1397.8	1385.6
162.5°	1474.8	1476.8	1484.4	1492.0	1484.4	1476.8	1474.8	1449.1	1414.9	1397.8	1388.9
165°	1453.0	1455.0	1463.0	1471.1	1463.0	1455.0	1453.0	1434.6	1410.1	1397.8	1393.8
167.5°	1443.4	1444.3	1447.7	1451.1	1447.7	1444.3	1443.4	1431.4	1415.4	1407.4	1404.0
170°	1443.4	1443.4	1443.4	1443.4	1443.4	1443.4	1443.4	1431.4	1415.4	1407.4	1407.2
172.5°	1435.9	1435.2	1432.2	1429.2	1432.2	1435.2	1435.9	1426.4	1413.7	1407.4	1407.4
175°	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1419.4	1411.4	1407.4	1409.3
177.5°	1423.5	1422.7	1419.3	1415.9	1419.3	1422.7	1423.5	1418.8	1412.4	1409.3	1410.8
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935468

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1285.0	1291.2	1295.0	1299.8	1312.1
5°	1235.9	1259.3	1266.6	1285.0	1307.3
7.5°	1127.5	1198.9	1218.6	1262.9	1297.3
10°	1022.9	1094.3	1128.8	1233.4	1285.0
12.5°	969.9	1011.9	1035.2	1181.7	1267.8
15°	936.7	966.2	983.5	1112.7	1248.2
17.5°	910.9	931.8	944.1	1045.1	1221.1
20°	894.8	904.8	915.8	995.8	1190.3
22.5°	883.8	877.7	886.2	961.4	1148.4
25°	876.4	853.0	862.9	934.3	1099.2
27.5°	882.5	830.9	834.6	909.6	1047.5
30°	883.8	803.8	805.0	883.8	989.6
32.5°	875.2	775.5	776.7	851.8	924.4
35°	854.3	742.2	741.0	814.8	835.7
37.5°	825.9	706.5	706.5	774.3	738.6
40°	791.5	670.8	674.5	721.3	652.4
42.5°	749.7	632.7	637.6	651.2	588.3
45°	704.1	595.8	599.4	550.2	539.1
47.5°	653.6	557.6	558.9	456.6	523.2
50°	593.3	518.2	513.3	391.4	521.9
52.5°	540.3	475.1	460.3	354.5	473.9
55°	488.7	429.6	397.5	326.1	439.4
57.5°	443.2	370.5	339.7	292.9	432.1
60°	401.3	312.7	289.3	257.2	396.4
62.5°	366.8	269.5	264.7	232.6	359.5
65°	329.9	240.1	238.8	211.7	305.2
67.5°	294.2	220.3	219.1	192.0	232.6
70°	256.0	199.4	196.9	171.1	172.3
72.5°	216.7	176.0	173.5	153.9	142.8
75°	177.2	148.9	147.7	134.2	115.7
77.5°	139.1	118.2	120.6	108.3	85.0
80°	99.7	86.2	88.6	77.5	64.0
82.5°	66.4	56.6	59.1	49.3	43.0
85°	36.9	32.0	33.2	25.9	19.7
87.5°	17.3	14.8	14.8	9.8	6.1
90°	41.8	26.6	24.7	17.2	9.5
92.5°	257.9	183.4	167.3	102.6	38.0
95°	634.5	357.4	327.8	209.5	91.2
97.5°	854.6	392.5	366.4	262.1	157.8
100°	934.8	422.0	398.3	303.7	209.1
102.5°	971.6	451.4	429.3	341.0	252.7
105°	998.7	495.1	476.4	401.7	326.9
107.5°	1003.8	559.7	542.3	472.6	403.0
110°	996.2	595.9	580.2	517.2	454.3



TEST NUMBER: P935468

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	996.5	639.5	624.6	564.6	504.6
115°	1005.7	705.1	691.2	636.0	580.6
117.5°	1024.4	768.8	756.2	706.0	655.7
120°	1039.6	805.8	794.0	746.7	699.4
122.5°	1061.4	849.5	837.6	789.9	742.1
125°	1090.9	905.6	894.8	851.3	807.8
127.5°	1120.4	959.8	948.8	904.9	861.0
130°	1141.9	995.9	984.0	936.8	889.4
132.5°	1159.3	1025.3	1013.5	966.2	918.9
135°	1178.3	1059.6	1048.8	1005.7	962.7
137.5°	1206.9	1103.3	1092.6	1049.9	1007.3
140°	1224.3	1132.7	1122.9	1083.6	1044.3
142.5°	1238.8	1154.6	1145.5	1109.2	1072.9
145°	1257.9	1187.9	1180.0	1148.2	1116.6
147.5°	1285.8	1229.7	1222.0	1191.2	1160.3
150°	1300.3	1251.6	1244.6	1216.7	1188.8
152.5°	1309.8	1265.8	1260.5	1239.3	1218.2
155°	1330.7	1297.2	1293.2	1277.6	1262.0
157.5°	1351.6	1328.5	1324.7	1309.5	1294.3
160°	1361.1	1342.8	1339.8	1328.0	1316.2
162.5°	1371.2	1357.9	1355.7	1346.8	1338.0
165°	1385.8	1379.8	1377.8	1369.8	1361.8
167.5°	1397.2	1392.1	1391.2	1387.4	1383.6
170°	1406.7	1406.5	1405.5	1401.7	1397.8
172.5°	1407.4	1407.4	1407.2	1406.3	1405.4
175°	1413.1	1415.9	1415.9	1415.9	1415.9
177.5°	1413.7	1415.9	1415.9	1415.9	1415.9
180°	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935468

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-8-5000K

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	8.40	9.08	9.53	10.21	11.78	11.24	11.92	12.37	13.05	14.61
	3H	8.86	9.48	10.00	10.61	12.19	12.57	13.18	13.71	14.32	15.90
	4H	9.04	9.63	10.19	10.76	12.35	13.01	13.59	14.16	14.72	16.31
	6H	9.15	9.69	10.31	10.83	12.42	13.28	13.82	14.44	14.96	16.56
	8H	9.15	9.66	10.31	10.81	12.40	13.36	13.87	14.52	15.02	16.61
	12H	9.11	9.60	10.28	10.74	12.36	13.39	13.87	14.55	15.02	16.63
4H	2H	9.41	9.99	10.57	11.13	12.71	11.62	12.21	12.78	13.34	14.93
	3H	10.42	10.91	11.58	12.07	13.67	13.11	13.60	14.28	14.76	16.36
	4H	10.69	11.14	11.86	12.28	13.90	13.64	14.08	14.80	15.23	16.85
	6H	10.80	11.19	11.98	12.36	13.97	13.99	14.38	15.16	15.55	17.15
	8H	10.81	11.16	11.98	12.32	13.95	14.10	14.45	15.27	15.62	17.24
	12H	10.76	11.09	11.95	12.26	13.89	14.15	14.47	15.33	15.64	17.27
8H	4H	11.13	11.49	12.30	12.65	14.28	13.75	14.10	14.92	15.26	16.89
	6H	11.38	11.68	12.57	12.88	14.51	14.18	14.47	15.37	15.68	17.30
	8H	11.43	11.68	12.62	12.86	14.51	14.33	14.59	15.52	15.77	17.41
	12H	11.40	11.63	12.60	12.81	14.48	14.42	14.65	15.62	15.83	17.50
12H	4H	11.13	11.45	12.31	12.62	14.26	13.70	14.03	14.89	15.20	16.83
	6H	11.44	11.70	12.64	12.88	14.53	14.17	14.43	15.37	15.61	17.25
	8H	11.50	11.73	12.70	12.91	14.58	14.33	14.55	15.53	15.73	17.41