

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: P935940

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935940
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-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

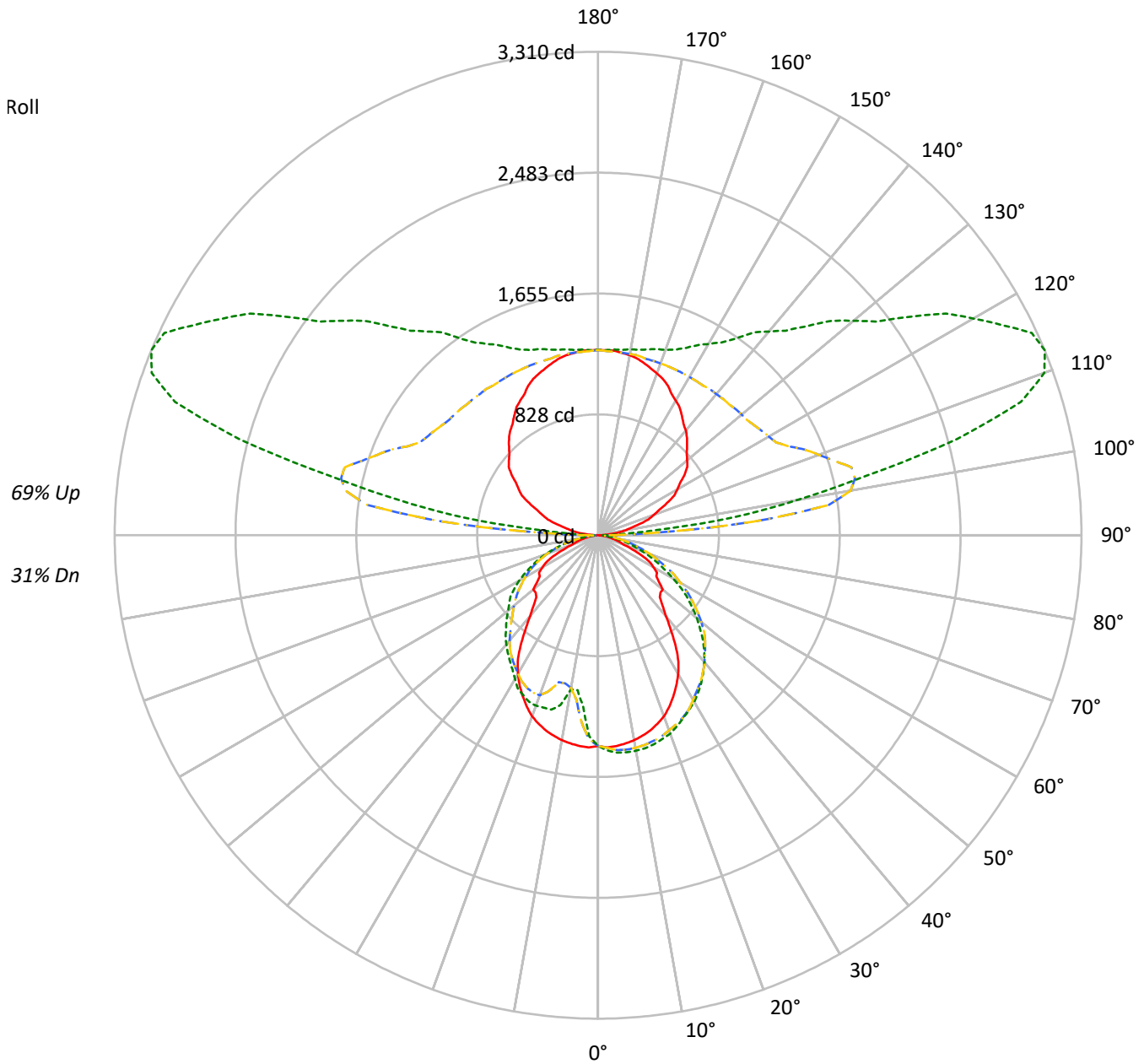
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11964.4 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 95.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20										
RC	80					70					50					30					10					0					
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	8922	8922	8922	8922
5°	8986	9006	8986	7082
10°	8922	8872	8922	6343
15°	8822	8679	8822	7247
20°	8633	8452	8633	7263
25°	8253	8119	8253	7109
30°	7761	7844	7761	6771
35°	6916	7495	6916	6399
40°	5760	7084	5760	6119
45°	5142	6604	5142	5796
50°	5459	6031	5459	5472
55°	5131	5413	5131	5285
60°	5284	4597	5284	4840
65°	4782	3800	4782	4248
70°	3303	3029	3303	3561
75°	2887	2239	2887	2681
80°	2311	1480	2311	1612
85°	1300	784	1300	666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7887 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	1.1
10°-20°	369.6	3.1
20°-30°	571.4	4.8
30°-40°	682.1	5.7
40°-50°	686.1	5.7
50°-60°	597.0	5.0
60°-70°	423.3	3.5
70°-80°	223.9	1.9
80°-90°	60.6	0.5
90°-100°	618.1	5.2
100°-110°	1625.0	13.6
110°-120°	1685.0	14.1
120°-130°	1351.5	11.3
130°-140°	1060.5	8.9
140°-150°	814.0	6.8
150°-160°	586.2	4.9
160°-170°	358.7	3.0
170°-180°	121.2	1.0
0°-30°	1071.2	9.0
0°-40°	1753.3	14.7
0°-60°	3036.4	25.4
0°-90°	3744.3	31.3
90°-120°	3928.1	32.8
90°-150°	7154.1	59.8
90°-180°	8220.0	68.7
0°-180°	11964.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1442	1442	1442	1442	1442	
5°	1449	1494	1449	1175	1449	137
15°	1384	1480	1384	1236	1384	389
25°	1218	1381	1218	1209	1218	559
35°	926	1232	926	1052	926	573
45°	598	1015	598	891	598	479
55°	487	749	487	731	487	448
65°	338	452	338	505	338	323
75°	128	214	128	256	128	135
85°	22	55	22	46	22	29
90°	9	32	9	32	9	8
95°	82	374	82	374	82	91
105°	293	2544	293	2544	293	310
115°	520	3276	520	3276	520	514
125°	723	2609	723	2609	723	642
135°	862	2025	862	2025	862	667
145°	1000	1642	1000	1642	1000	626
155°	1130	1414	1130	1414	1130	519
165°	1220	1317	1220	1317	1220	344
175°	1268	1276	1268	1276	1268	120
180°	1268	1268	1268	1268	1268	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1454.5	1454.5	1462.7	1465.4	1465.4	1461.3	1457.2	1461.3	1473.6	1477.7	1476.3
5°	1449.1	1460.0	1475.0	1477.7	1480.4	1479.1	1476.3	1479.1	1492.7	1495.4	1496.8
7.5°	1438.1	1458.6	1477.7	1481.8	1485.9	1481.8	1480.4	1483.2	1496.8	1499.5	1499.5
10°	1424.5	1453.1	1475.0	1477.7	1481.8	1477.7	1477.7	1483.2	1496.8	1499.5	1500.9
12.5°	1405.4	1445.0	1465.4	1468.2	1473.6	1472.2	1470.9	1476.3	1490.0	1492.7	1492.7
15°	1383.6	1429.9	1449.1	1451.8	1461.3	1458.6	1458.6	1464.1	1479.1	1483.2	1481.8
17.5°	1353.5	1410.8	1432.7	1436.8	1443.6	1442.2	1443.6	1449.1	1462.7	1465.4	1466.8
20°	1319.4	1384.9	1410.8	1414.9	1421.8	1421.8	1421.8	1428.6	1442.2	1447.7	1447.7
22.5°	1273.0	1357.6	1384.9	1387.7	1395.8	1395.8	1398.6	1408.1	1420.4	1421.8	1421.8
25°	1218.5	1327.6	1350.8	1359.0	1367.2	1371.3	1375.4	1380.8	1384.9	1383.6	1384.9
27.5°	1161.2	1289.4	1319.4	1324.9	1335.8	1339.9	1345.4	1346.7	1348.1	1352.2	1349.4
30°	1097.0	1236.2	1281.2	1286.7	1304.4	1307.1	1301.7	1304.4	1311.2	1314.0	1316.7
32.5°	1024.7	1157.1	1241.7	1253.9	1270.3	1262.1	1260.8	1264.9	1275.8	1275.8	1278.5
35°	926.5	1095.7	1204.8	1215.7	1228.0	1218.5	1223.9	1225.3	1232.1	1236.2	1234.8
37.5°	818.7	1042.4	1166.6	1174.8	1184.3	1172.1	1180.3	1184.3	1189.8	1187.1	1187.1
40°	723.2	959.2	1121.6	1127.0	1135.2	1125.7	1133.9	1136.6	1139.3	1136.6	1135.2
42.5°	652.2	867.8	1073.8	1080.6	1075.2	1082.0	1084.7	1090.2	1086.1	1080.6	1080.6
45°	597.6	843.2	1022.0	1030.2	1022.0	1032.9	1037.0	1037.0	1024.7	1022.0	1020.6
47.5°	579.9	794.1	970.1	970.1	966.0	979.7	986.5	977.0	964.7	960.6	960.6
50°	578.5	739.5	899.2	893.7	912.8	929.2	922.4	912.8	903.3	888.3	888.3
52.5°	525.3	672.7	807.8	828.2	858.2	867.8	856.9	847.3	831.0	824.1	818.7
55°	487.1	603.1	724.5	765.5	796.8	809.1	788.7	779.1	754.5	750.5	747.7
57.5°	478.9	502.1	648.1	700.0	738.2	736.8	724.5	706.8	686.3	682.2	680.9
60°	439.4	362.9	566.2	627.6	667.2	663.1	652.2	635.8	616.7	614.0	611.3
62.5°	398.4	263.3	473.5	543.1	599.0	597.6	588.1	563.5	549.9	543.1	537.6
65°	338.4	221.0	337.0	451.6	532.1	534.9	514.4	496.7	481.7	473.5	472.1
67.5°	257.9	180.1	227.9	376.6	468.0	465.3	439.4	431.2	412.1	408.0	399.8
70°	191.0	120.1	158.3	305.6	405.2	398.4	378.0	368.4	350.7	341.1	335.7
72.5°	158.3	96.9	116.0	237.4	341.1	332.9	315.2	304.3	289.3	281.1	275.6
75°	128.3	102.3	88.7	176.0	277.0	271.5	255.2	244.2	232.0	221.0	222.4
77.5°	94.1	95.5	71.0	129.6	219.7	211.5	201.9	188.3	182.8	171.9	171.9
80°	71.0	75.0	53.2	88.7	158.3	158.3	150.1	140.5	131.0	125.5	125.5
82.5°	47.8	47.8	39.6	55.9	107.8	103.7	98.2	95.5	90.1	87.3	87.3
85°	21.8	27.3	24.6	34.1	58.7	61.4	61.4	58.7	57.3	54.6	55.9
87.5°	6.8	12.3	15.0	19.1	30.0	31.4	32.7	32.7	32.7	34.1	34.1
90°	8.6	15.4	22.1	23.8	37.5	55.6	64.7	57.5	43.1	32.4	32.4
92.5°	34.0	91.9	149.8	164.3	231.0	319.8	364.2	319.2	229.2	161.7	155.3
95°	81.7	187.6	293.5	320.0	568.3	899.2	1064.6	950.0	720.8	548.9	529.4
97.5°	141.3	234.7	328.1	351.5	765.4	1317.2	1593.1	1520.7	1375.8	1267.2	1230.1
100°	187.2	272.0	356.7	377.9	837.1	1449.5	1755.7	1761.0	1771.6	1779.5	1735.4
102.5°	226.4	305.5	384.5	404.2	870.1	1491.1	1801.6	1893.9	2078.4	2216.9	2179.0
105°	292.7	359.7	426.6	443.4	894.4	1495.8	1796.5	2003.4	2417.2	2727.5	2707.2
107.5°	360.9	423.3	485.7	501.2	898.9	1429.2	1694.4	1983.0	2560.2	2993.1	2998.0
110°	406.8	463.2	519.5	533.6	892.2	1370.2	1609.2	1931.9	2577.2	3061.1	3082.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	451.9	505.6	559.2	572.7	892.4	1318.7	1531.8	1862.0	2522.4	3017.7	3050.3
115°	519.9	569.5	619.1	631.5	900.6	1259.6	1439.0	1757.1	2393.3	2870.5	2915.6
117.5°	587.2	632.2	677.2	688.5	917.5	1222.6	1375.3	1662.4	2236.4	2667.1	2717.1
120°	626.4	668.8	711.2	721.7	931.0	1210.2	1349.7	1612.1	2136.6	2530.1	2578.6
122.5°	664.7	707.4	750.2	760.8	950.6	1203.6	1330.2	1566.4	2038.8	2393.1	2441.0
125°	723.3	762.3	801.3	811.0	977.0	1198.3	1308.9	1509.5	1910.8	2211.8	2255.9
127.5°	771.0	810.3	849.7	859.5	1003.3	1195.1	1291.0	1463.2	1807.8	2066.2	2103.5
130°	796.6	839.0	881.3	891.9	1022.7	1197.1	1284.2	1437.6	1744.3	1974.4	2008.8
132.5°	822.9	865.3	907.7	918.3	1038.3	1198.3	1278.2	1415.5	1690.1	1896.0	1926.9
135°	862.1	900.6	939.3	948.9	1055.3	1197.1	1268.0	1383.0	1613.0	1785.4	1812.0
137.5°	902.1	940.3	978.5	988.0	1080.8	1204.5	1266.3	1363.5	1557.9	1703.8	1725.5
140°	935.3	970.5	1005.6	1014.4	1096.4	1205.7	1260.4	1344.4	1512.3	1638.3	1658.5
142.5°	960.8	993.3	1025.9	1034.0	1109.5	1210.1	1260.4	1334.2	1481.6	1592.2	1609.7
145°	1000.0	1028.3	1056.7	1063.8	1126.5	1210.1	1251.8	1312.2	1432.9	1523.4	1536.6
147.5°	1039.1	1066.7	1094.3	1101.2	1151.4	1218.4	1251.8	1299.3	1394.2	1465.4	1476.4
150°	1064.6	1089.6	1114.5	1120.8	1164.4	1222.7	1251.8	1292.0	1372.1	1432.2	1441.1
152.5°	1091.0	1109.9	1128.9	1133.6	1173.0	1225.6	1251.8	1286.0	1354.5	1405.8	1412.6
155°	1130.1	1144.1	1158.1	1161.6	1191.7	1231.8	1251.8	1279.0	1333.5	1374.4	1378.8
157.5°	1159.1	1172.7	1186.3	1189.7	1210.5	1238.0	1251.8	1273.0	1315.4	1347.2	1350.3
160°	1178.7	1189.3	1199.8	1202.4	1218.9	1240.8	1251.8	1270.0	1306.3	1333.5	1335.3
162.5°	1198.3	1206.2	1214.1	1216.1	1228.0	1243.9	1251.8	1267.1	1297.8	1320.8	1322.5
165°	1219.6	1226.7	1233.8	1235.7	1241.0	1248.2	1251.8	1262.8	1284.8	1301.2	1303.1
167.5°	1239.1	1242.5	1245.9	1246.7	1251.3	1257.4	1260.4	1267.6	1282.0	1292.7	1293.4
170°	1251.8	1255.2	1258.7	1259.5	1259.8	1260.2	1260.4	1267.6	1282.0	1292.7	1292.7
172.5°	1258.7	1259.4	1260.2	1260.4	1260.4	1260.4	1260.4	1266.0	1277.4	1285.9	1285.2
175°	1268.0	1268.0	1268.0	1268.0	1265.5	1262.1	1260.4	1263.9	1271.1	1276.5	1276.5
177.5°	1268.0	1268.0	1268.0	1268.0	1266.0	1263.4	1262.0	1264.9	1270.6	1274.9	1274.1
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1479.1	1475.0	1479.1	1476.3	1477.7	1473.6	1461.3	1457.2	1461.3	1465.4	1465.4
5°	1496.8	1494.1	1496.8	1496.8	1495.4	1492.7	1479.1	1476.3	1479.1	1480.4	1477.7
7.5°	1502.3	1498.2	1502.3	1499.5	1499.5	1496.8	1483.2	1480.4	1481.8	1485.9	1481.8
10°	1502.3	1498.2	1502.3	1500.9	1499.5	1496.8	1483.2	1477.7	1477.7	1481.8	1477.7
12.5°	1495.4	1492.7	1495.4	1492.7	1492.7	1490.0	1476.3	1470.9	1472.2	1473.6	1468.2
15°	1484.5	1480.4	1484.5	1481.8	1483.2	1479.1	1464.1	1458.6	1458.6	1461.3	1451.8
17.5°	1468.2	1462.7	1468.2	1466.8	1465.4	1462.7	1449.1	1443.6	1442.2	1443.6	1436.8
20°	1449.1	1445.0	1449.1	1447.7	1447.7	1442.2	1428.6	1421.8	1421.8	1421.8	1414.9
22.5°	1419.0	1414.9	1419.0	1421.8	1421.8	1420.4	1408.1	1398.6	1395.8	1395.8	1387.7
25°	1384.9	1380.8	1384.9	1384.9	1383.6	1384.9	1380.8	1375.4	1371.3	1367.2	1359.0
27.5°	1352.2	1349.4	1352.2	1349.4	1352.2	1348.1	1346.7	1345.4	1339.9	1335.8	1324.9
30°	1319.4	1316.7	1319.4	1316.7	1314.0	1311.2	1304.4	1301.7	1307.1	1304.4	1286.7
32.5°	1278.5	1275.8	1278.5	1278.5	1275.8	1275.8	1264.9	1260.8	1262.1	1270.3	1253.9
35°	1236.2	1232.1	1236.2	1234.8	1236.2	1232.1	1225.3	1223.9	1218.5	1228.0	1215.7
37.5°	1187.1	1183.0	1187.1	1187.1	1187.1	1189.8	1184.3	1180.3	1172.1	1184.3	1174.8
40°	1136.6	1131.1	1136.6	1135.2	1136.6	1139.3	1136.6	1133.9	1125.7	1135.2	1127.0
42.5°	1079.3	1077.9	1079.3	1080.6	1080.6	1086.1	1090.2	1084.7	1082.0	1075.2	1080.6
45°	1017.9	1015.2	1017.9	1020.6	1022.0	1024.7	1037.0	1037.0	1032.9	1022.0	1030.2
47.5°	952.4	945.6	952.4	960.6	960.6	964.7	977.0	986.5	979.7	966.0	970.1
50°	882.8	884.2	882.8	888.3	888.3	903.3	912.8	922.4	929.2	912.8	893.7
52.5°	814.6	813.2	814.6	818.7	824.1	831.0	847.3	856.9	867.8	858.2	828.2
55°	746.4	749.1	746.4	747.7	750.5	754.5	779.1	788.7	809.1	796.8	765.5
57.5°	678.1	674.0	678.1	680.9	682.2	686.3	706.8	724.5	736.8	738.2	700.0
60°	599.0	593.5	599.0	611.3	614.0	616.7	635.8	652.2	663.1	667.2	627.6
62.5°	529.4	519.9	529.4	537.6	543.1	549.9	563.5	588.1	597.6	599.0	543.1
65°	455.7	451.6	455.7	472.1	473.5	481.7	496.7	514.4	534.9	532.1	451.6
67.5°	388.9	388.9	388.9	399.8	408.0	412.1	431.2	439.4	465.3	468.0	376.6
70°	327.5	326.1	327.5	335.7	341.1	350.7	368.4	378.0	398.4	405.2	305.6
72.5°	268.8	267.4	268.8	275.6	281.1	289.3	304.3	315.2	332.9	341.1	237.4
75°	216.9	214.2	216.9	222.4	221.0	232.0	244.2	255.2	271.5	277.0	176.0
77.5°	166.5	166.5	166.5	171.9	171.9	182.8	188.3	201.9	211.5	219.7	129.6
80°	124.2	122.8	124.2	125.5	125.5	131.0	140.5	150.1	158.3	158.3	88.7
82.5°	87.3	84.6	87.3	87.3	87.3	90.1	95.5	98.2	103.7	107.8	55.9
85°	54.6	54.6	54.6	55.9	54.6	57.3	58.7	61.4	61.4	58.7	34.1
87.5°	35.5	34.1	35.5	34.1	34.1	32.7	32.7	32.7	31.4	30.0	19.1
90°	32.4	32.4	32.4	32.4	32.4	43.1	57.5	64.7	55.6	37.5	23.8
92.5°	129.5	103.8	129.5	155.3	161.7	229.2	319.2	364.2	319.8	231.0	164.3
95°	451.5	373.6	451.5	529.4	548.9	720.8	950.0	1064.6	899.2	568.3	320.0
97.5°	1081.8	933.6	1081.8	1230.1	1267.2	1375.8	1520.7	1593.1	1317.2	765.4	351.5
100°	1558.8	1382.1	1558.8	1735.4	1779.5	1771.6	1761.0	1755.7	1449.5	837.1	377.9
102.5°	2027.8	1876.5	2027.8	2179.0	2216.9	2078.4	1893.9	1801.6	1491.1	870.1	404.2
105°	2625.8	2544.5	2625.8	2707.2	2727.5	2417.2	2003.4	1796.5	1495.8	894.4	443.4
107.5°	3017.6	3037.3	3017.6	2998.0	2993.1	2560.2	1983.0	1694.4	1429.2	898.9	501.2
110°	3167.0	3251.8	3167.0	3082.3	3061.1	2577.2	1931.9	1609.2	1370.2	892.2	533.6



TEST NUMBER: P935940

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3180.4	3310.4	3180.4	3050.3	3017.7	2522.4	1862.0	1531.8	1318.7	892.4	572.7
115°	3095.9	3276.4	3095.9	2915.6	2870.5	2393.3	1757.1	1439.0	1259.6	900.6	631.5
117.5°	2917.2	3117.3	2917.2	2717.1	2667.1	2236.4	1662.4	1375.3	1222.6	917.5	688.5
120°	2773.1	2967.5	2773.1	2578.6	2530.1	2136.6	1612.1	1349.7	1210.2	931.0	721.7
122.5°	2632.8	2824.5	2632.8	2441.0	2393.1	2038.8	1566.4	1330.2	1203.6	950.6	760.8
125°	2432.6	2609.2	2432.6	2255.9	2211.8	1910.8	1509.5	1308.9	1198.3	977.0	811.0
127.5°	2252.5	2401.6	2252.5	2103.5	2066.2	1807.8	1463.2	1291.0	1195.1	1003.3	859.5
130°	2146.5	2284.1	2146.5	2008.8	1974.4	1744.3	1437.6	1284.2	1197.1	1022.7	891.9
132.5°	2050.1	2173.5	2050.1	1926.9	1896.0	1690.1	1415.5	1278.2	1198.3	1038.3	918.3
135°	1918.3	2024.6	1918.3	1812.0	1785.4	1613.0	1383.0	1268.0	1197.1	1055.3	948.9
137.5°	1812.5	1899.5	1812.5	1725.5	1703.8	1557.9	1363.5	1266.3	1204.5	1080.8	988.0
140°	1739.9	1821.2	1739.9	1658.5	1638.3	1512.3	1344.4	1260.4	1205.7	1096.4	1014.4
142.5°	1679.7	1749.7	1679.7	1609.7	1592.2	1481.6	1334.2	1260.4	1210.1	1109.5	1034.0
145°	1589.5	1642.4	1589.5	1536.6	1523.4	1432.9	1312.2	1251.8	1210.1	1126.5	1063.8
147.5°	1520.3	1564.2	1520.3	1476.4	1465.4	1394.2	1299.3	1251.8	1218.4	1151.4	1101.2
150°	1476.7	1512.3	1476.7	1441.1	1432.2	1372.1	1292.0	1251.8	1222.7	1164.4	1120.8
152.5°	1439.4	1466.3	1439.4	1412.6	1405.8	1354.5	1286.0	1251.8	1225.6	1173.0	1133.6
155°	1396.6	1414.4	1396.6	1378.8	1374.4	1333.5	1279.0	1251.8	1231.8	1191.7	1161.6
157.5°	1362.8	1375.3	1362.8	1350.3	1347.2	1315.4	1273.0	1251.8	1238.0	1210.5	1189.7
160°	1342.5	1349.7	1342.5	1335.3	1333.5	1306.3	1270.0	1251.8	1240.8	1218.9	1202.4
162.5°	1329.3	1336.1	1329.3	1322.5	1320.8	1297.8	1267.1	1251.8	1243.9	1228.0	1216.1
165°	1310.2	1317.3	1310.2	1303.1	1301.2	1284.8	1262.8	1251.8	1248.2	1241.0	1235.7
167.5°	1296.5	1299.5	1296.5	1293.4	1292.7	1282.0	1267.6	1260.4	1257.4	1251.3	1246.7
170°	1292.7	1292.7	1292.7	1292.7	1292.7	1282.0	1267.6	1260.4	1260.2	1259.8	1259.5
172.5°	1282.6	1280.0	1282.6	1285.2	1285.9	1277.4	1266.0	1260.4	1260.4	1260.4	1260.4
175°	1276.5	1276.5	1276.5	1276.5	1276.5	1271.1	1263.9	1260.4	1262.1	1265.5	1268.0
177.5°	1271.0	1268.0	1271.0	1274.1	1274.9	1270.6	1264.9	1262.0	1263.4	1266.0	1268.0
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P935940

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1462.7	1454.5	1454.5	1440.9	1435.4	1431.3	1424.5	1404.0	1398.6	1393.1	1401.3
5°	1475.0	1460.0	1449.1	1424.5	1404.0	1395.8	1369.9	1320.8	1288.0	1263.5	1249.8
7.5°	1477.7	1458.6	1438.1	1399.9	1350.8	1329.0	1249.8	1159.8	1135.2	1113.4	1099.8
10°	1475.0	1453.1	1424.5	1367.2	1251.2	1213.0	1133.9	1075.2	1060.2	1056.1	1060.2
12.5°	1465.4	1445.0	1405.4	1309.9	1147.5	1121.6	1075.2	1041.1	1038.4	1045.2	1082.0
15°	1449.1	1429.9	1383.6	1233.5	1090.2	1071.1	1038.4	1026.1	1041.1	1088.8	1199.4
17.5°	1432.7	1410.8	1353.5	1158.4	1046.5	1032.9	1009.7	1034.3	1118.9	1183.0	1219.8
20°	1410.8	1384.9	1319.4	1103.8	1015.2	1002.9	992.0	1102.5	1166.6	1189.8	1210.3
22.5°	1384.9	1357.6	1273.0	1065.6	982.4	972.9	979.7	1140.7	1166.6	1183.0	1200.7
25°	1350.8	1327.6	1218.5	1035.6	956.5	945.6	971.5	1136.6	1151.6	1155.7	1191.2
27.5°	1319.4	1289.4	1161.2	1008.3	925.1	921.0	978.3	1118.9	1129.8	1133.9	1172.1
30°	1281.2	1236.2	1097.0	979.7	892.4	891.0	979.7	1097.0	1094.3	1105.2	1143.4
32.5°	1241.7	1157.1	1024.7	944.2	861.0	859.6	970.1	1064.3	1061.5	1076.6	1105.2
35°	1204.8	1095.7	926.5	903.3	821.4	822.8	946.9	1026.1	1027.4	1041.1	1058.8
37.5°	1166.6	1042.4	818.7	858.2	783.2	783.2	915.5	990.6	987.9	992.0	1016.5
40°	1121.6	959.2	723.2	799.6	747.7	743.6	877.3	952.4	942.8	941.5	975.6
42.5°	1073.8	867.8	652.2	721.8	706.8	701.3	831.0	906.0	888.3	892.4	936.0
45°	1022.0	843.2	597.6	609.9	664.5	660.4	780.5	852.8	840.5	851.4	896.4
47.5°	970.1	794.1	579.9	506.2	619.5	618.1	724.5	800.9	794.1	805.0	852.8
50°	899.2	739.5	578.5	433.9	569.0	574.4	657.7	750.5	750.5	760.0	810.5
52.5°	807.8	672.7	525.3	393.0	510.3	526.7	599.0	706.8	709.5	719.1	764.1
55°	724.5	603.1	487.1	361.6	440.7	476.2	541.7	661.8	667.2	676.8	717.7
57.5°	648.1	502.1	478.9	324.7	376.6	410.7	491.2	618.1	620.8	629.0	668.6
60°	566.2	362.9	439.4	285.2	320.6	346.6	444.8	566.2	575.8	581.3	615.4
62.5°	473.5	263.3	398.4	257.9	293.4	298.8	406.6	517.1	529.4	533.5	554.0
65°	337.0	221.0	338.4	234.7	264.7	266.1	365.7	466.6	477.6	484.4	499.4
67.5°	227.9	180.1	257.9	212.9	242.9	244.2	326.1	408.0	423.0	428.4	438.0
70°	158.3	120.1	191.0	189.7	218.3	221.0	283.8	354.8	368.4	372.5	378.0
72.5°	116.0	96.9	158.3	170.6	192.4	195.1	240.1	294.7	308.4	312.5	315.2
75°	88.7	102.3	128.3	148.7	163.7	165.1	196.5	240.1	249.7	252.4	253.8
77.5°	71.0	95.5	94.1	120.1	133.7	131.0	154.2	185.6	193.8	193.8	193.8
80°	53.2	75.0	71.0	86.0	98.2	95.5	110.5	132.4	135.1	137.8	136.4
82.5°	39.6	47.8	47.8	54.6	65.5	62.8	73.7	86.0	86.0	86.0	88.7
85°	24.6	27.3	21.8	28.7	36.8	35.5	40.9	46.4	47.8	47.8	45.0
87.5°	15.0	12.3	6.8	10.9	16.4	16.4	19.1	20.5	19.1	19.1	19.1
90°	22.1	15.4	8.6	15.4	22.1	23.8	37.5	55.6	64.7	57.5	43.1
92.5°	149.8	91.9	34.0	91.9	149.8	164.3	231.0	319.8	364.2	319.2	229.2
95°	293.5	187.6	81.7	187.6	293.5	320.0	568.3	899.2	1064.6	950.0	720.8
97.5°	328.1	234.7	141.3	234.7	328.1	351.5	765.4	1317.2	1593.1	1520.7	1375.8
100°	356.7	272.0	187.2	272.0	356.7	377.9	837.1	1449.5	1755.7	1761.0	1771.6
102.5°	384.5	305.5	226.4	305.5	384.5	404.2	870.1	1491.1	1801.6	1893.9	2078.4
105°	426.6	359.7	292.7	359.7	426.6	443.4	894.4	1495.8	1796.5	2003.4	2417.2
107.5°	485.7	423.3	360.9	423.3	485.7	501.2	898.9	1429.2	1694.4	1983.0	2560.2
110°	519.5	463.2	406.8	463.2	519.5	533.6	892.2	1370.2	1609.2	1931.9	2577.2



TEST NUMBER: P935940

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	559.2	505.6	451.9	505.6	559.2	572.7	892.4	1318.7	1531.8	1862.0	2522.4
115°	619.1	569.5	519.9	569.5	619.1	631.5	900.6	1259.6	1439.0	1757.1	2393.3
117.5°	677.2	632.2	587.2	632.2	677.2	688.5	917.5	1222.6	1375.3	1662.4	2236.4
120°	711.2	668.8	626.4	668.8	711.2	721.7	931.0	1210.2	1349.7	1612.1	2136.6
122.5°	750.2	707.4	664.7	707.4	750.2	760.8	950.6	1203.6	1330.2	1566.4	2038.8
125°	801.3	762.3	723.3	762.3	801.3	811.0	977.0	1198.3	1308.9	1509.5	1910.8
127.5°	849.7	810.3	771.0	810.3	849.7	859.5	1003.3	1195.1	1291.0	1463.2	1807.8
130°	881.3	839.0	796.6	839.0	881.3	891.9	1022.7	1197.1	1284.2	1437.6	1744.3
132.5°	907.7	865.3	822.9	865.3	907.7	918.3	1038.3	1198.3	1278.2	1415.5	1690.1
135°	939.3	900.6	862.1	900.6	939.3	948.9	1055.3	1197.1	1268.0	1383.0	1613.0
137.5°	978.5	940.3	902.1	940.3	978.5	988.0	1080.8	1204.5	1266.3	1363.5	1557.9
140°	1005.6	970.5	935.3	970.5	1005.6	1014.4	1096.4	1205.7	1260.4	1344.4	1512.3
142.5°	1025.9	993.3	960.8	993.3	1025.9	1034.0	1109.5	1210.1	1260.4	1334.2	1481.6
145°	1056.7	1028.3	1000.0	1028.3	1056.7	1063.8	1126.5	1210.1	1251.8	1312.2	1432.9
147.5°	1094.3	1066.7	1039.1	1066.7	1094.3	1101.2	1151.4	1218.4	1251.8	1299.3	1394.2
150°	1114.5	1089.6	1064.6	1089.6	1114.5	1120.8	1164.4	1222.7	1251.8	1292.0	1372.1
152.5°	1128.9	1109.9	1091.0	1109.9	1128.9	1133.6	1173.0	1225.6	1251.8	1286.0	1354.5
155°	1158.1	1144.1	1130.1	1144.1	1158.1	1161.6	1191.7	1231.8	1251.8	1279.0	1333.5
157.5°	1186.3	1172.7	1159.1	1172.7	1186.3	1189.7	1210.5	1238.0	1251.8	1273.0	1315.4
160°	1199.8	1189.3	1178.7	1189.3	1199.8	1202.4	1218.9	1240.8	1251.8	1270.0	1306.3
162.5°	1214.1	1206.2	1198.3	1206.2	1214.1	1216.1	1228.0	1243.9	1251.8	1267.1	1297.8
165°	1233.8	1226.7	1219.6	1226.7	1233.8	1235.7	1241.0	1248.2	1251.8	1262.8	1284.8
167.5°	1245.9	1242.5	1239.1	1242.5	1245.9	1246.7	1251.3	1257.4	1260.4	1267.6	1282.0
170°	1258.7	1255.2	1251.8	1255.2	1258.7	1259.5	1259.8	1260.2	1260.4	1267.6	1282.0
172.5°	1260.2	1259.4	1258.7	1259.4	1260.2	1260.4	1260.4	1260.4	1260.4	1266.0	1277.4
175°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1265.5	1262.1	1260.4	1263.9	1271.1
177.5°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1266.0	1263.4	1262.0	1264.9	1270.6
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P935940
 CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1391.7	1387.7	1393.1	1378.1	1393.1	1387.7	1391.7	1401.3	1393.1	1398.6	1404.0
5°	1221.2	1214.4	1192.5	1174.8	1192.5	1214.4	1221.2	1249.8	1263.5	1288.0	1320.8
7.5°	1091.6	1086.1	1080.6	1069.7	1080.6	1086.1	1091.6	1099.8	1113.4	1135.2	1159.8
10°	1062.9	1064.3	1072.5	1071.1	1072.5	1064.3	1062.9	1060.2	1056.1	1060.2	1075.2
12.5°	1136.6	1148.9	1193.9	1191.2	1193.9	1148.9	1136.6	1082.0	1045.2	1038.4	1041.1
15°	1221.2	1225.3	1234.8	1236.2	1234.8	1225.3	1221.2	1199.4	1088.8	1041.1	1026.1
17.5°	1229.4	1230.7	1237.6	1237.6	1237.6	1230.7	1229.4	1219.8	1183.0	1118.9	1034.3
20°	1222.6	1225.3	1238.9	1241.7	1238.9	1225.3	1222.6	1210.3	1189.8	1166.6	1102.5
22.5°	1219.8	1225.3	1236.2	1234.8	1236.2	1225.3	1219.8	1200.7	1183.0	1166.6	1140.7
25°	1206.2	1206.2	1207.5	1208.9	1207.5	1206.2	1206.2	1191.2	1155.7	1151.6	1136.6
27.5°	1177.5	1180.3	1188.4	1187.1	1188.4	1180.3	1177.5	1172.1	1133.9	1129.8	1118.9
30°	1151.6	1148.9	1142.0	1136.6	1142.0	1148.9	1151.6	1143.4	1105.2	1094.3	1097.0
32.5°	1107.9	1101.1	1094.3	1090.2	1094.3	1101.1	1107.9	1105.2	1076.6	1061.5	1064.3
35°	1056.1	1057.5	1056.1	1052.0	1056.1	1057.5	1056.1	1058.8	1041.1	1027.4	1026.1
37.5°	1019.2	1022.0	1020.6	1015.2	1020.6	1022.0	1019.2	1016.5	992.0	987.9	990.6
40°	981.0	982.4	981.0	977.0	981.0	982.4	981.0	975.6	941.5	942.8	952.4
42.5°	944.2	942.8	938.7	936.0	938.7	942.8	944.2	936.0	892.4	888.3	906.0
45°	901.9	903.3	895.1	891.0	895.1	903.3	901.9	896.4	851.4	840.5	852.8
47.5°	859.6	859.6	852.8	848.7	852.8	859.6	859.6	852.8	805.0	794.1	800.9
50°	814.6	813.2	803.7	802.3	803.7	813.2	814.6	810.5	760.0	750.5	750.5
52.5°	762.7	762.7	764.1	766.8	764.1	762.7	762.7	764.1	719.1	709.5	706.8
55°	717.7	719.1	728.6	731.3	728.6	719.1	717.7	717.7	676.8	667.2	661.8
57.5°	671.3	671.3	678.1	678.1	678.1	671.3	671.3	668.6	629.0	620.8	618.1
60°	618.1	620.8	626.3	624.9	626.3	620.8	618.1	615.4	581.3	575.8	566.2
62.5°	562.2	564.9	566.2	563.5	566.2	564.9	562.2	554.0	533.5	529.4	517.1
65°	503.5	506.2	507.6	504.8	507.6	506.2	503.5	499.4	484.4	477.6	466.6
67.5°	443.4	442.1	440.7	446.2	440.7	442.1	443.4	438.0	428.4	423.0	408.0
70°	382.0	382.0	380.7	383.4	380.7	382.0	382.0	378.0	372.5	368.4	354.8
72.5°	316.6	315.2	320.6	316.6	320.6	315.2	316.6	315.2	312.5	308.4	294.7
75°	252.4	255.2	252.4	256.5	252.4	255.2	252.4	253.8	252.4	249.7	240.1
77.5°	192.4	195.1	192.4	192.4	192.4	195.1	192.4	193.8	193.8	193.8	185.6
80°	136.4	135.1	135.1	133.7	135.1	135.1	136.4	136.4	137.8	135.1	132.4
82.5°	87.3	86.0	86.0	88.7	86.0	86.0	87.3	88.7	86.0	86.0	86.0
85°	47.8	49.1	46.4	46.4	46.4	49.1	47.8	45.0	47.8	47.8	46.4
87.5°	17.7	16.4	16.4	16.4	16.4	16.4	17.7	19.1	19.1	19.1	20.5
90°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	43.1	57.5	64.7	55.6
92.5°	161.7	155.3	129.5	103.8	129.5	155.3	161.7	229.2	319.2	364.2	319.8
95°	548.9	529.4	451.5	373.6	451.5	529.4	548.9	720.8	950.0	1064.6	899.2
97.5°	1267.2	1230.1	1081.8	933.6	1081.8	1230.1	1267.2	1375.8	1520.7	1593.1	1317.2
100°	1779.5	1735.4	1558.8	1382.1	1558.8	1735.4	1779.5	1771.6	1761.0	1755.7	1449.5
102.5°	2216.9	2179.0	2027.8	1876.5	2027.8	2179.0	2216.9	2078.4	1893.9	1801.6	1491.1
105°	2727.5	2707.2	2625.8	2544.5	2625.8	2707.2	2727.5	2417.2	2003.4	1796.5	1495.8
107.5°	2993.1	2998.0	3017.6	3037.3	3017.6	2998.0	2993.1	2560.2	1983.0	1694.4	1429.2
110°	3061.1	3082.3	3167.0	3251.8	3167.0	3082.3	3061.1	2577.2	1931.9	1609.2	1370.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3017.7	3050.3	3180.4	3310.4	3180.4	3050.3	3017.7	2522.4	1862.0	1531.8	1318.7
115°	2870.5	2915.6	3095.9	3276.4	3095.9	2915.6	2870.5	2393.3	1757.1	1439.0	1259.6
117.5°	2667.1	2717.1	2917.2	3117.3	2917.2	2717.1	2667.1	2236.4	1662.4	1375.3	1222.6
120°	2530.1	2578.6	2773.1	2967.5	2773.1	2578.6	2530.1	2136.6	1612.1	1349.7	1210.2
122.5°	2393.1	2441.0	2632.8	2824.5	2632.8	2441.0	2393.1	2038.8	1566.4	1330.2	1203.6
125°	2211.8	2255.9	2432.6	2609.2	2432.6	2255.9	2211.8	1910.8	1509.5	1308.9	1198.3
127.5°	2066.2	2103.5	2252.5	2401.6	2252.5	2103.5	2066.2	1807.8	1463.2	1291.0	1195.1
130°	1974.4	2008.8	2146.5	2284.1	2146.5	2008.8	1974.4	1744.3	1437.6	1284.2	1197.1
132.5°	1896.0	1926.9	2050.1	2173.5	2050.1	1926.9	1896.0	1690.1	1415.5	1278.2	1198.3
135°	1785.4	1812.0	1918.3	2024.6	1918.3	1812.0	1785.4	1613.0	1383.0	1268.0	1197.1
137.5°	1703.8	1725.5	1812.5	1899.5	1812.5	1725.5	1703.8	1557.9	1363.5	1266.3	1204.5
140°	1638.3	1658.5	1739.9	1821.2	1739.9	1658.5	1638.3	1512.3	1344.4	1260.4	1205.7
142.5°	1592.2	1609.7	1679.7	1749.7	1679.7	1609.7	1592.2	1481.6	1334.2	1260.4	1210.1
145°	1523.4	1536.6	1589.5	1642.4	1589.5	1536.6	1523.4	1432.9	1312.2	1251.8	1210.1
147.5°	1465.4	1476.4	1520.3	1564.2	1520.3	1476.4	1465.4	1394.2	1299.3	1251.8	1218.4
150°	1432.2	1441.1	1476.7	1512.3	1476.7	1441.1	1432.2	1372.1	1292.0	1251.8	1222.7
152.5°	1405.8	1412.6	1439.4	1466.3	1439.4	1412.6	1405.8	1354.5	1286.0	1251.8	1225.6
155°	1374.4	1378.8	1396.6	1414.4	1396.6	1378.8	1374.4	1333.5	1279.0	1251.8	1231.8
157.5°	1347.2	1350.3	1362.8	1375.3	1362.8	1350.3	1347.2	1315.4	1273.0	1251.8	1238.0
160°	1333.5	1335.3	1342.5	1349.7	1342.5	1335.3	1333.5	1306.3	1270.0	1251.8	1240.8
162.5°	1320.8	1322.5	1329.3	1336.1	1329.3	1322.5	1320.8	1297.8	1267.1	1251.8	1243.9
165°	1301.2	1303.1	1310.2	1317.3	1310.2	1303.1	1301.2	1284.8	1262.8	1251.8	1248.2
167.5°	1292.7	1293.4	1296.5	1299.5	1296.5	1293.4	1292.7	1282.0	1267.6	1260.4	1257.4
170°	1292.7	1292.7	1292.7	1292.7	1292.7	1292.7	1292.7	1282.0	1267.6	1260.4	1260.2
172.5°	1285.9	1285.2	1282.6	1280.0	1282.6	1285.2	1285.9	1277.4	1266.0	1260.4	1260.4
175°	1276.5	1276.5	1276.5	1276.5	1276.5	1276.5	1276.5	1271.1	1263.9	1260.4	1262.1
177.5°	1274.9	1274.1	1271.0	1268.0	1271.0	1274.1	1274.9	1270.6	1264.9	1262.0	1263.4
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1424.5	1431.3	1435.4	1440.9	1454.5
5°	1369.9	1395.8	1404.0	1424.5	1449.1
7.5°	1249.8	1329.0	1350.8	1399.9	1438.1
10°	1133.9	1213.0	1251.2	1367.2	1424.5
12.5°	1075.2	1121.6	1147.5	1309.9	1405.4
15°	1038.4	1071.1	1090.2	1233.5	1383.6
17.5°	1009.7	1032.9	1046.5	1158.4	1353.5
20°	992.0	1002.9	1015.2	1103.8	1319.4
22.5°	979.7	972.9	982.4	1065.6	1273.0
25°	971.5	945.6	956.5	1035.6	1218.5
27.5°	978.3	921.0	925.1	1008.3	1161.2
30°	979.7	891.0	892.4	979.7	1097.0
32.5°	970.1	859.6	861.0	944.2	1024.7
35°	946.9	822.8	821.4	903.3	926.5
37.5°	915.5	783.2	783.2	858.2	818.7
40°	877.3	743.6	747.7	799.6	723.2
42.5°	831.0	701.3	706.8	721.8	652.2
45°	780.5	660.4	664.5	609.9	597.6
47.5°	724.5	618.1	619.5	506.2	579.9
50°	657.7	574.4	569.0	433.9	578.5
52.5°	599.0	526.7	510.3	393.0	525.3
55°	541.7	476.2	440.7	361.6	487.1
57.5°	491.2	410.7	376.6	324.7	478.9
60°	444.8	346.6	320.6	285.2	439.4
62.5°	406.6	298.8	293.4	257.9	398.4
65°	365.7	266.1	264.7	234.7	338.4
67.5°	326.1	244.2	242.9	212.9	257.9
70°	283.8	221.0	218.3	189.7	191.0
72.5°	240.1	195.1	192.4	170.6	158.3
75°	196.5	165.1	163.7	148.7	128.3
77.5°	154.2	131.0	133.7	120.1	94.1
80°	110.5	95.5	98.2	86.0	71.0
82.5°	73.7	62.8	65.5	54.6	47.8
85°	40.9	35.5	36.8	28.7	21.8
87.5°	19.1	16.4	16.4	10.9	6.8
90°	37.5	23.8	22.1	15.4	8.6
92.5°	231.0	164.3	149.8	91.9	34.0
95°	568.3	320.0	293.5	187.6	81.7
97.5°	765.4	351.5	328.1	234.7	141.3
100°	837.1	377.9	356.7	272.0	187.2
102.5°	870.1	404.2	384.5	305.5	226.4
105°	894.4	443.4	426.6	359.7	292.7
107.5°	898.9	501.2	485.7	423.3	360.9
110°	892.2	533.6	519.5	463.2	406.8



TEST NUMBER: P935940

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	892.4	572.7	559.2	505.6	451.9
115°	900.6	631.5	619.1	569.5	519.9
117.5°	917.5	688.5	677.2	632.2	587.2
120°	931.0	721.7	711.2	668.8	626.4
122.5°	950.6	760.8	750.2	707.4	664.7
125°	977.0	811.0	801.3	762.3	723.3
127.5°	1003.3	859.5	849.7	810.3	771.0
130°	1022.7	891.9	881.3	839.0	796.6
132.5°	1038.3	918.3	907.7	865.3	822.9
135°	1055.3	948.9	939.3	900.6	862.1
137.5°	1080.8	988.0	978.5	940.3	902.1
140°	1096.4	1014.4	1005.6	970.5	935.3
142.5°	1109.5	1034.0	1025.9	993.3	960.8
145°	1126.5	1063.8	1056.7	1028.3	1000.0
147.5°	1151.4	1101.2	1094.3	1066.7	1039.1
150°	1164.4	1120.8	1114.5	1089.6	1064.6
152.5°	1173.0	1133.6	1128.9	1109.9	1091.0
155°	1191.7	1161.6	1158.1	1144.1	1130.1
157.5°	1210.5	1189.7	1186.3	1172.7	1159.1
160°	1218.9	1202.4	1199.8	1189.3	1178.7
162.5°	1228.0	1216.1	1214.1	1206.2	1198.3
165°	1241.0	1235.7	1233.8	1226.7	1219.6
167.5°	1251.3	1246.7	1245.9	1242.5	1239.1
170°	1259.8	1259.5	1258.7	1255.2	1251.8
172.5°	1260.4	1260.4	1260.2	1259.4	1258.7
175°	1265.5	1268.0	1268.0	1268.0	1268.0
177.5°	1266.0	1268.0	1268.0	1268.0	1268.0
180°	1268.0	1268.0	1268.0	1268.0	1268.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.37	11.08	11.47	12.18	13.70	13.19	13.91	14.29	15.00	16.52
	3H	10.83	11.47	11.94	12.58	14.11	14.52	15.16	15.63	16.27	17.80
	4H	11.02	11.62	12.14	12.73	14.27	14.96	15.57	16.08	16.68	18.21
	6H	11.13	11.69	12.26	12.80	14.35	15.24	15.79	16.37	16.91	18.46
	8H	11.12	11.66	12.26	12.78	14.33	15.30	15.84	16.44	16.96	18.51
	12H	11.09	11.60	12.23	12.72	14.28	15.34	15.84	16.48	16.96	18.53
4H	2H	11.38	11.99	12.51	13.10	14.63	13.58	14.19	14.71	15.30	16.84
	3H	12.39	12.90	13.53	14.03	15.58	15.07	15.58	16.21	16.71	18.26
	4H	12.66	13.13	13.80	14.25	15.82	15.59	16.06	16.73	17.18	18.75
	6H	12.78	13.18	13.92	14.32	15.89	15.95	16.35	17.09	17.49	19.06
	8H	12.78	13.15	13.93	14.29	15.87	16.05	16.42	17.19	17.56	19.14
	12H	12.74	13.08	13.90	14.23	15.81	16.10	16.44	17.26	17.59	19.17
8H	4H	13.10	13.48	14.25	14.61	16.19	15.71	16.08	16.85	17.22	18.79
	6H	13.36	13.67	14.52	14.85	16.42	16.13	16.44	17.30	17.62	19.20
	8H	13.40	13.67	14.57	14.83	16.42	16.28	16.55	17.45	17.71	19.31
	12H	13.38	13.61	14.55	14.77	16.40	16.37	16.61	17.55	17.77	19.40
12H	4H	13.10	13.44	14.26	14.59	16.17	15.66	16.00	16.82	17.15	18.73
	6H	13.42	13.69	14.59	14.85	16.44	16.13	16.40	17.30	17.56	19.15
	8H	13.48	13.71	14.65	14.87	16.50	16.28	16.52	17.46	17.68	19.31