

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: P935891

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935891
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

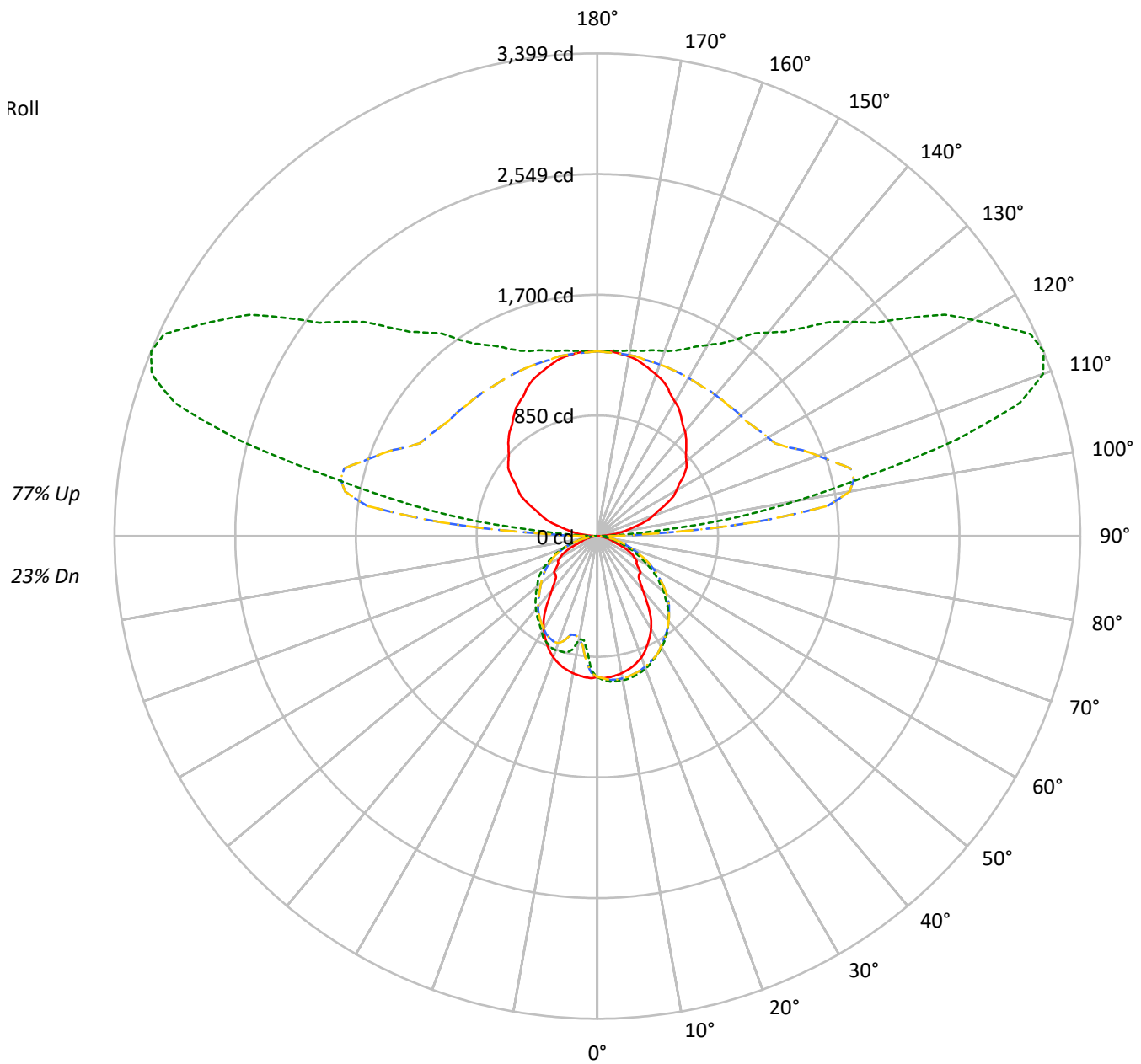
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11020.3 lumens
Efficiency: N/A
Efficacy: 132.1 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): 83.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6143	6143	6143	6143
5°	6187	6202	6187	4876
10°	6144	6109	6144	4368
15°	6075	5977	6075	4990
20°	5945	5820	5945	5001
25°	5683	5591	5683	4895
30°	5345	5401	5345	4663
35°	4763	5161	4763	4407
40°	3966	4879	3966	4214
45°	3541	4547	3541	3991
50°	3760	4153	3760	3769
55°	3533	3727	3533	3639
60°	3638	3166	3638	3333
65°	3293	2617	3293	2925
70°	2274	2085	2274	2452
75°	1989	1542	1989	1846
80°	1588	1018	1588	1110
85°	894	539	894	458

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5432 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	0.8
10°-20°	254.5	2.3
20°-30°	393.5	3.6
30°-40°	469.7	4.3
40°-50°	472.5	4.3
50°-60°	411.1	3.7
60°-70°	291.5	2.6
70°-80°	154.2	1.4
80°-90°	43.4	0.4
90°-100°	634.7	5.8
100°-110°	1668.5	15.1
110°-120°	1730.1	15.7
120°-130°	1387.7	12.6
130°-140°	1088.9	9.9
140°-150°	835.8	7.6
150°-160°	601.9	5.5
160°-170°	368.3	3.3
170°-180°	124.4	1.1
0°-30°	737.7	6.7
0°-40°	1207.4	11.0
0°-60°	2090.9	19.0
0°-90°	2580.0	23.4
90°-120°	4033.3	36.6
90°-150°	7345.7	66.7
90°-180°	8440.0	76.6
0°-180°	11020.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	993	993	993	993	993	
5°	998	1029	998	809	998	95
15°	953	1020	953	851	953	268
25°	839	951	839	832	839	385
35°	638	848	638	724	638	395
45°	412	699	412	614	412	330
55°	335	516	335	504	335	308
65°	233	311	233	348	233	223
75°	88	148	88	177	88	93
85°	15	38	15	32	15	20
90°	9	33	9	33	9	8
95°	84	384	84	384	84	93
105°	301	2613	301	2613	301	319
115°	534	3364	534	3364	534	527
125°	743	2679	743	2679	743	659
135°	885	2079	885	2079	885	685
145°	1027	1686	1027	1686	1027	643
155°	1160	1452	1160	1452	1160	533
165°	1252	1353	1252	1353	1252	353
175°	1302	1311	1302	1311	1302	124
180°	1302	1302	1302	1302	1302	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1
2.5°	1001.6	1001.6	1007.2	1009.1	1009.1	1006.3	1003.5	1006.3	1014.8	1017.6	1016.7
5°	997.8	1005.4	1015.7	1017.6	1019.5	1018.5	1016.7	1018.5	1027.9	1029.8	1030.8
7.5°	990.3	1004.4	1017.6	1020.4	1023.2	1020.4	1019.5	1021.3	1030.8	1032.6	1032.6
10°	980.9	1000.7	1015.7	1017.6	1020.4	1017.6	1017.6	1021.3	1030.8	1032.6	1033.6
12.5°	967.8	995.0	1009.1	1011.0	1014.8	1013.9	1012.8	1016.7	1026.0	1027.9	1027.9
15°	952.8	984.7	997.8	999.8	1006.3	1004.4	1004.4	1008.2	1018.5	1021.3	1020.4
17.5°	932.0	971.5	986.6	989.4	994.1	993.1	994.1	997.8	1007.2	1009.1	1010.0
20°	908.6	953.7	971.5	974.3	979.0	979.0	979.0	983.8	993.1	996.9	996.9
22.5°	876.7	934.8	953.7	955.6	961.2	961.2	963.0	969.7	978.1	979.0	979.0
25°	839.0	914.2	930.2	935.9	941.5	944.3	947.1	950.9	953.7	952.8	953.7
27.5°	799.6	887.9	908.6	912.3	919.9	922.7	926.4	927.4	928.3	931.1	929.2
30°	755.4	851.2	882.3	886.0	898.2	900.1	896.4	898.2	902.9	904.9	906.7
32.5°	705.6	796.8	855.0	863.5	874.8	869.1	868.2	871.0	878.5	878.5	880.4
35°	638.0	754.5	829.7	837.1	845.6	839.0	842.8	843.8	848.4	851.2	850.3
37.5°	563.8	717.9	803.3	808.9	815.6	807.1	812.8	815.6	819.3	817.4	817.4
40°	498.0	660.5	772.3	776.1	781.8	775.1	780.8	782.7	784.6	782.7	781.8
42.5°	449.2	597.6	739.4	744.1	740.4	745.1	747.0	750.7	747.9	744.1	744.1
45°	411.5	580.7	703.8	709.4	703.8	711.2	714.0	714.0	705.6	703.8	702.8
47.5°	399.3	546.9	668.1	668.1	665.2	674.6	679.3	672.8	664.3	661.5	661.5
50°	398.4	509.2	619.1	615.4	628.6	639.9	635.1	628.6	622.0	611.7	611.7
52.5°	361.7	463.2	556.2	570.3	591.0	597.6	590.1	583.5	572.2	567.5	563.8
55°	335.4	415.3	498.9	527.1	548.7	557.1	543.1	536.5	519.6	516.8	514.9
57.5°	329.8	345.8	446.3	482.0	508.3	507.3	498.9	486.7	472.6	469.8	468.9
60°	302.5	249.9	389.9	432.3	459.4	456.6	449.2	437.9	424.7	422.8	421.0
62.5°	274.3	181.4	326.1	374.0	412.5	411.5	405.0	388.1	378.6	374.0	370.2
65°	233.0	152.2	232.1	311.0	366.4	368.3	354.3	342.0	331.7	326.1	325.1
67.5°	177.6	124.0	156.9	259.4	322.3	320.4	302.5	296.9	283.7	280.9	275.3
70°	131.5	82.7	109.0	210.4	279.1	274.3	260.3	253.7	241.4	234.9	231.2
72.5°	109.0	66.7	79.9	163.5	234.9	229.3	217.1	209.5	199.2	193.5	189.8
75°	88.4	70.4	61.1	121.2	190.7	187.0	175.7	168.2	159.7	152.2	153.2
77.5°	64.8	65.8	48.8	89.3	151.3	145.6	139.1	129.6	125.9	118.4	118.4
80°	48.8	51.7	36.6	61.1	109.0	109.0	103.4	96.8	90.2	86.5	86.5
82.5°	32.9	32.9	27.3	38.5	74.3	71.5	67.6	65.8	62.0	60.1	60.1
85°	15.0	18.8	16.9	23.4	40.4	42.3	42.3	40.4	39.5	37.5	38.5
87.5°	4.7	8.5	10.4	13.2	20.6	21.6	22.5	22.5	22.5	23.4	23.4
90°	8.8	15.8	22.7	24.5	38.5	57.1	66.4	59.0	44.3	33.3	33.3
92.5°	34.9	94.3	153.8	168.7	237.1	328.4	374.0	327.7	235.4	166.1	159.4
95°	83.9	192.6	301.4	328.6	583.5	923.3	1093.2	975.5	740.1	563.6	543.6
97.5°	145.1	241.0	336.9	360.9	785.9	1352.5	1635.8	1561.5	1412.7	1301.2	1263.0
100°	192.2	279.3	366.2	388.0	859.6	1488.3	1802.7	1808.1	1819.1	1827.2	1781.9
102.5°	232.5	313.6	394.8	415.1	893.4	1531.0	1849.9	1944.6	2134.1	2276.3	2237.4
105°	300.6	369.3	438.0	455.2	918.4	1535.9	1844.6	2057.0	2481.9	2800.6	2779.7
107.5°	370.5	434.6	498.7	514.6	923.0	1467.5	1739.8	2036.1	2628.7	3073.2	3078.3
110°	417.7	475.6	533.4	547.9	916.1	1406.9	1652.3	1983.6	2646.2	3143.1	3164.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	464.0	519.1	574.2	588.0	916.3	1354.0	1572.9	1911.9	2590.0	3098.5	3132.0
115°	533.9	584.8	635.7	648.4	924.8	1293.3	1477.6	1804.2	2457.4	2947.3	2993.7
117.5°	602.9	649.1	695.4	706.9	942.0	1255.4	1412.1	1706.9	2296.3	2738.5	2789.9
120°	643.2	686.7	730.2	741.0	955.9	1242.6	1385.9	1655.2	2193.9	2597.8	2647.7
122.5°	682.5	726.4	770.3	781.2	976.0	1235.9	1365.8	1608.3	2093.4	2457.2	2506.4
125°	742.7	782.7	822.8	832.8	1003.1	1230.4	1343.9	1550.0	1962.0	2271.0	2316.3
127.5°	791.7	832.0	872.4	882.5	1030.2	1227.1	1325.5	1502.4	1856.2	2121.6	2159.9
130°	817.9	861.4	905.0	915.8	1050.1	1229.1	1318.6	1476.1	1791.0	2027.2	2062.6
132.5°	845.0	888.5	932.0	942.9	1066.1	1230.4	1312.5	1453.4	1735.4	1946.8	1978.5
135°	885.2	924.8	964.4	974.3	1083.5	1229.1	1302.0	1420.1	1656.2	1833.3	1860.5
137.5°	926.2	965.5	1004.7	1014.5	1109.8	1236.7	1300.2	1400.1	1599.7	1749.4	1771.7
140°	960.3	996.5	1032.5	1041.6	1125.8	1238.0	1294.2	1380.4	1552.8	1682.1	1703.0
142.5°	986.5	1019.9	1053.4	1061.7	1139.2	1242.5	1294.2	1369.9	1521.3	1634.9	1652.8
145°	1026.7	1055.9	1085.0	1092.3	1156.7	1242.5	1285.4	1347.3	1471.2	1564.2	1577.7
147.5°	1066.9	1095.3	1123.6	1130.7	1182.3	1251.0	1285.4	1334.1	1431.5	1504.7	1516.0
150°	1093.2	1118.7	1144.3	1150.8	1195.6	1255.5	1285.4	1326.6	1408.8	1470.6	1479.7
152.5°	1120.2	1139.7	1159.1	1164.0	1204.4	1258.4	1285.4	1320.5	1390.8	1443.5	1450.4
155°	1160.4	1174.8	1189.2	1192.7	1223.6	1264.8	1285.4	1313.3	1369.2	1411.2	1415.8
157.5°	1190.1	1204.1	1218.1	1221.6	1242.9	1271.2	1285.4	1307.1	1350.7	1383.3	1386.4
160°	1210.3	1221.1	1231.9	1234.7	1251.6	1274.1	1285.4	1304.1	1341.3	1369.2	1371.1
162.5°	1230.4	1238.5	1246.6	1248.7	1260.9	1277.2	1285.4	1301.1	1332.5	1356.2	1357.9
165°	1252.2	1259.6	1266.9	1268.7	1274.3	1281.6	1285.4	1296.7	1319.2	1336.1	1338.0
167.5°	1272.3	1275.8	1279.3	1280.1	1284.8	1291.1	1294.2	1301.5	1316.3	1327.3	1328.1
170°	1285.4	1288.8	1292.4	1293.2	1293.5	1294.0	1294.2	1301.5	1316.3	1327.3	1327.3
172.5°	1292.4	1293.1	1294.0	1294.2	1294.2	1294.2	1294.2	1299.9	1311.6	1320.3	1319.6
175°	1302.0	1302.0	1302.0	1302.0	1299.4	1295.9	1294.2	1297.8	1305.2	1310.7	1310.7
177.5°	1302.0	1302.0	1302.0	1302.0	1299.9	1297.2	1295.8	1298.7	1304.6	1309.0	1308.3
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1
2.5°	1018.5	1015.7	1018.5	1016.7	1017.6	1014.8	1006.3	1003.5	1006.3	1009.1	1009.1
5°	1030.8	1028.8	1030.8	1030.8	1029.8	1027.9	1018.5	1016.7	1018.5	1019.5	1017.6
7.5°	1034.5	1031.7	1034.5	1032.6	1032.6	1030.8	1021.3	1019.5	1020.4	1023.2	1020.4
10°	1034.5	1031.7	1034.5	1033.6	1032.6	1030.8	1021.3	1017.6	1017.6	1020.4	1017.6
12.5°	1029.8	1027.9	1029.8	1027.9	1027.9	1026.0	1016.7	1012.8	1013.9	1014.8	1011.0
15°	1022.3	1019.5	1022.3	1020.4	1021.3	1018.5	1008.2	1004.4	1004.4	1006.3	999.8
17.5°	1011.0	1007.2	1011.0	1010.0	1009.1	1007.2	997.8	994.1	993.1	994.1	989.4
20°	997.8	995.0	997.8	996.9	996.9	993.1	983.8	979.0	979.0	979.0	974.3
22.5°	977.2	974.3	977.2	979.0	979.0	978.1	969.7	963.0	961.2	961.2	955.6
25°	953.7	950.9	953.7	953.7	952.8	953.7	950.9	947.1	944.3	941.5	935.9
27.5°	931.1	929.2	931.1	929.2	931.1	928.3	927.4	926.4	922.7	919.9	912.3
30°	908.6	906.7	908.6	906.7	904.9	902.9	898.2	896.4	900.1	898.2	886.0
32.5°	880.4	878.5	880.4	880.4	878.5	878.5	871.0	868.2	869.1	874.8	863.5
35°	851.2	848.4	851.2	850.3	851.2	848.4	843.8	842.8	839.0	845.6	837.1
37.5°	817.4	814.6	817.4	817.4	817.4	819.3	815.6	812.8	807.1	815.6	808.9
40°	782.7	779.0	782.7	781.8	782.7	784.6	782.7	780.8	775.1	781.8	776.1
42.5°	743.2	742.2	743.2	744.1	744.1	747.9	750.7	747.0	745.1	740.4	744.1
45°	701.0	699.0	701.0	702.8	703.8	705.6	714.0	714.0	711.2	703.8	709.4
47.5°	655.9	651.1	655.9	661.5	661.5	664.3	672.8	679.3	674.6	665.2	668.1
50°	607.9	608.9	607.9	611.7	611.7	622.0	628.6	635.1	639.9	628.6	615.4
52.5°	561.0	560.0	561.0	563.8	567.5	572.2	583.5	590.1	597.6	591.0	570.3
55°	514.0	515.8	514.0	514.9	516.8	519.6	536.5	543.1	557.1	548.7	527.1
57.5°	467.0	464.2	467.0	468.9	469.8	472.6	486.7	498.9	507.3	508.3	482.0
60°	412.5	408.7	412.5	421.0	422.8	424.7	437.9	449.2	456.6	459.4	432.3
62.5°	364.5	358.0	364.5	370.2	374.0	378.6	388.1	405.0	411.5	412.5	374.0
65°	313.8	311.0	313.8	325.1	326.1	331.7	342.0	354.3	368.3	366.4	311.0
67.5°	267.8	267.8	267.8	275.3	280.9	283.7	296.9	302.5	320.4	322.3	259.4
70°	225.5	224.5	225.5	231.2	234.9	241.4	253.7	260.3	274.3	279.1	210.4
72.5°	185.1	184.2	185.1	189.8	193.5	199.2	209.5	217.1	229.3	234.9	163.5
75°	149.4	147.5	149.4	153.2	152.2	159.7	168.2	175.7	187.0	190.7	121.2
77.5°	114.6	114.6	114.6	118.4	118.4	125.9	129.6	139.1	145.6	151.3	89.3
80°	85.5	84.5	85.5	86.5	86.5	90.2	96.8	103.4	109.0	109.0	61.1
82.5°	60.1	58.3	60.1	60.1	60.1	62.0	65.8	67.6	71.5	74.3	38.5
85°	37.5	37.5	37.5	38.5	37.5	39.5	40.4	42.3	42.3	40.4	23.4
87.5°	24.5	23.4	24.5	23.4	23.4	22.5	22.5	22.5	21.6	20.6	13.2
90°	33.3	33.3	33.3	33.3	33.3	44.3	59.0	66.4	57.1	38.5	24.5
92.5°	133.0	106.6	133.0	159.4	166.1	235.4	327.7	374.0	328.4	237.1	168.7
95°	463.5	383.6	463.5	543.6	563.6	740.1	975.5	1093.2	923.3	583.5	328.6
97.5°	1110.8	958.6	1110.8	1263.0	1301.2	1412.7	1561.5	1635.8	1352.5	785.9	360.9
100°	1600.5	1419.1	1600.5	1781.9	1827.2	1819.1	1808.1	1802.7	1488.3	859.6	388.0
102.5°	2082.1	1926.7	2082.1	2237.4	2276.3	2134.1	1944.6	1849.9	1531.0	893.4	415.1
105°	2696.2	2612.7	2696.2	2779.7	2800.6	2481.9	2057.0	1844.6	1535.9	918.4	455.2
107.5°	3098.5	3118.6	3098.5	3078.3	3073.2	2628.7	2036.1	1739.8	1467.5	923.0	514.6
110°	3251.8	3338.9	3251.8	3164.9	3143.1	2646.2	1983.6	1652.3	1406.9	916.1	547.9



TEST NUMBER: P935891

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3265.5	3399.1	3265.5	3132.0	3098.5	2590.0	1911.9	1572.9	1354.0	916.3	588.0
115°	3178.9	3364.2	3178.9	2993.7	2947.3	2457.4	1804.2	1477.6	1293.3	924.8	648.4
117.5°	2995.3	3200.8	2995.3	2789.9	2738.5	2296.3	1706.9	1412.1	1255.4	942.0	706.9
120°	2847.4	3047.0	2847.4	2647.7	2597.8	2193.9	1655.2	1385.9	1242.6	955.9	741.0
122.5°	2703.3	2900.2	2703.3	2506.4	2457.2	2093.4	1608.3	1365.8	1235.9	976.0	781.2
125°	2497.7	2679.1	2497.7	2316.3	2271.0	1962.0	1550.0	1343.9	1230.4	1003.1	832.8
127.5°	2312.9	2465.9	2312.9	2159.9	2121.6	1856.2	1502.4	1325.5	1227.1	1030.2	882.5
130°	2204.0	2345.3	2204.0	2062.6	2027.2	1791.0	1476.1	1318.6	1229.1	1050.1	915.8
132.5°	2105.0	2231.7	2105.0	1978.5	1946.8	1735.4	1453.4	1312.5	1230.4	1066.1	942.9
135°	1969.7	2078.8	1969.7	1860.5	1833.3	1656.2	1420.1	1302.0	1229.1	1083.5	974.3
137.5°	1861.1	1950.4	1861.1	1771.7	1749.4	1599.7	1400.1	1300.2	1236.7	1109.8	1014.5
140°	1786.5	1870.0	1786.5	1703.0	1682.1	1552.8	1380.4	1294.2	1238.0	1125.8	1041.6
142.5°	1724.7	1796.5	1724.7	1652.8	1634.9	1521.3	1369.9	1294.2	1242.5	1139.2	1061.7
145°	1632.1	1686.4	1632.1	1577.7	1564.2	1471.2	1347.3	1285.4	1242.5	1156.7	1092.3
147.5°	1561.0	1606.1	1561.0	1516.0	1504.7	1431.5	1334.1	1285.4	1251.0	1182.3	1130.7
150°	1516.3	1552.8	1516.3	1479.7	1470.6	1408.8	1326.6	1285.4	1255.5	1195.6	1150.8
152.5°	1478.0	1505.6	1478.0	1450.4	1443.5	1390.8	1320.5	1285.4	1258.4	1204.4	1164.0
155°	1434.0	1452.3	1434.0	1415.8	1411.2	1369.2	1313.3	1285.4	1264.8	1223.6	1192.7
157.5°	1399.3	1412.1	1399.3	1386.4	1383.3	1350.7	1307.1	1285.4	1271.2	1242.9	1221.6
160°	1378.5	1385.9	1378.5	1371.1	1369.2	1341.3	1304.1	1285.4	1274.1	1251.6	1234.7
162.5°	1364.9	1371.9	1364.9	1357.9	1356.2	1332.5	1301.1	1285.4	1277.2	1260.9	1248.7
165°	1345.2	1352.6	1345.2	1338.0	1336.1	1319.2	1296.7	1285.4	1281.6	1274.3	1268.7
167.5°	1331.2	1334.3	1331.2	1328.1	1327.3	1316.3	1301.5	1294.2	1291.1	1284.8	1280.1
170°	1327.3	1327.3	1327.3	1327.3	1327.3	1316.3	1301.5	1294.2	1294.0	1293.5	1293.2
172.5°	1316.9	1314.2	1316.9	1319.6	1320.3	1311.6	1299.9	1294.2	1294.2	1294.2	1294.2
175°	1310.7	1310.7	1310.7	1310.7	1310.7	1305.2	1297.8	1294.2	1295.9	1299.4	1302.0
177.5°	1305.1	1302.0	1305.1	1308.3	1309.0	1304.6	1298.7	1295.8	1297.2	1299.9	1302.0
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P935891

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1
2.5°	1007.2	1001.6	1001.6	992.2	988.5	985.7	980.9	966.9	963.0	959.3	964.9
5°	1015.7	1005.4	997.8	980.9	966.9	961.2	943.3	909.5	886.9	870.0	860.7
7.5°	1017.6	1004.4	990.3	964.0	930.2	915.1	860.7	798.7	781.8	766.7	757.3
10°	1015.7	1000.7	980.9	941.5	861.6	835.3	780.8	740.4	730.0	727.2	730.0
12.5°	1009.1	995.0	967.8	902.0	790.2	772.3	740.4	716.9	715.0	719.7	745.1
15°	997.8	984.7	952.8	849.4	750.7	737.6	715.0	706.6	716.9	749.8	825.9
17.5°	986.6	971.5	932.0	797.7	720.7	711.2	695.3	712.2	770.5	814.6	839.9
20°	971.5	953.7	908.6	760.1	699.0	690.6	683.0	759.2	803.3	819.3	833.4
22.5°	953.7	934.8	876.7	733.8	676.5	670.0	674.6	785.5	803.3	814.6	826.9
25°	930.2	914.2	839.0	713.1	658.7	651.1	669.0	782.7	793.0	795.9	820.2
27.5°	908.6	887.9	799.6	694.3	637.1	634.2	673.7	770.5	778.0	780.8	807.1
30°	882.3	851.2	755.4	674.6	614.5	613.5	674.6	755.4	753.6	761.0	787.4
32.5°	855.0	796.8	705.6	650.2	592.9	592.0	668.1	732.9	731.0	741.3	761.0
35°	829.7	754.5	638.0	622.0	565.6	566.6	652.0	706.6	707.5	716.9	729.1
37.5°	803.3	717.9	563.8	591.0	539.3	539.3	630.4	682.1	680.2	683.0	700.0
40°	772.3	660.5	498.0	550.6	514.9	512.1	604.1	655.9	649.2	648.3	671.8
42.5°	739.4	597.6	449.2	497.1	486.7	483.0	572.2	623.9	611.7	614.5	644.6
45°	703.8	580.7	411.5	420.0	457.6	454.8	537.4	587.2	578.8	586.3	617.3
47.5°	668.1	546.9	399.3	348.6	426.6	425.6	498.9	551.5	546.9	554.3	587.2
50°	619.1	509.2	398.4	298.8	391.8	395.5	452.9	516.8	516.8	523.3	558.2
52.5°	556.2	463.2	361.7	270.6	351.4	362.7	412.5	486.7	488.6	495.2	526.1
55°	498.9	415.3	335.4	249.0	303.5	327.9	373.0	455.7	459.4	466.1	494.2
57.5°	446.3	345.8	329.8	223.6	259.4	282.8	338.3	425.6	427.5	433.2	460.4
60°	389.9	249.9	302.5	196.3	220.8	238.6	306.3	389.9	396.5	400.2	423.8
62.5°	326.1	181.4	274.3	177.6	202.0	205.8	280.0	356.1	364.5	367.3	381.4
65°	232.1	152.2	233.0	161.6	182.3	183.3	251.8	321.3	328.9	333.5	343.9
67.5°	156.9	124.0	177.6	146.5	167.3	168.2	224.5	280.9	291.3	295.1	301.6
70°	109.0	82.7	131.5	130.6	150.4	152.2	195.4	244.3	253.7	256.5	260.3
72.5°	79.9	66.7	109.0	117.4	132.4	134.4	165.4	203.0	212.4	215.2	217.1
75°	61.1	70.4	88.4	102.5	112.7	113.7	135.3	165.4	171.9	173.8	174.8
77.5°	48.8	65.8	64.8	82.7	92.1	90.2	106.2	127.8	133.4	133.4	133.4
80°	36.6	51.7	48.8	59.2	67.6	65.8	76.1	91.2	93.0	94.9	94.0
82.5°	27.3	32.9	32.9	37.5	45.1	43.2	50.7	59.2	59.2	59.2	61.1
85°	16.9	18.8	15.0	19.7	25.4	24.5	28.2	31.9	32.9	32.9	31.0
87.5°	10.4	8.5	4.7	7.5	11.3	11.3	13.2	14.1	13.2	13.2	13.2
90°	22.7	15.8	8.8	15.8	22.7	24.5	38.5	57.1	66.4	59.0	44.3
92.5°	153.8	94.3	34.9	94.3	153.8	168.7	237.1	328.4	374.0	327.7	235.4
95°	301.4	192.6	83.9	192.6	301.4	328.6	583.5	923.3	1093.2	975.5	740.1
97.5°	336.9	241.0	145.1	241.0	336.9	360.9	785.9	1352.5	1635.8	1561.5	1412.7
100°	366.2	279.3	192.2	279.3	366.2	388.0	859.6	1488.3	1802.7	1808.1	1819.1
102.5°	394.8	313.6	232.5	313.6	394.8	415.1	893.4	1531.0	1849.9	1944.6	2134.1
105°	438.0	369.3	300.6	369.3	438.0	455.2	918.4	1535.9	1844.6	2057.0	2481.9
107.5°	498.7	434.6	370.5	434.6	498.7	514.6	923.0	1467.5	1739.8	2036.1	2628.7
110°	533.4	475.6	417.7	475.6	533.4	547.9	916.1	1406.9	1652.3	1983.6	2646.2



TEST NUMBER: P935891

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	574.2	519.1	464.0	519.1	574.2	588.0	916.3	1354.0	1572.9	1911.9	2590.0
115°	635.7	584.8	533.9	584.8	635.7	648.4	924.8	1293.3	1477.6	1804.2	2457.4
117.5°	695.4	649.1	602.9	649.1	695.4	706.9	942.0	1255.4	1412.1	1706.9	2296.3
120°	730.2	686.7	643.2	686.7	730.2	741.0	955.9	1242.6	1385.9	1655.2	2193.9
122.5°	770.3	726.4	682.5	726.4	770.3	781.2	976.0	1235.9	1365.8	1608.3	2093.4
125°	822.8	782.7	742.7	782.7	822.8	832.8	1003.1	1230.4	1343.9	1550.0	1962.0
127.5°	872.4	832.0	791.7	832.0	872.4	882.5	1030.2	1227.1	1325.5	1502.4	1856.2
130°	905.0	861.4	817.9	861.4	905.0	915.8	1050.1	1229.1	1318.6	1476.1	1791.0
132.5°	932.0	888.5	845.0	888.5	932.0	942.9	1066.1	1230.4	1312.5	1453.4	1735.4
135°	964.4	924.8	885.2	924.8	964.4	974.3	1083.5	1229.1	1302.0	1420.1	1656.2
137.5°	1004.7	965.5	926.2	965.5	1004.7	1014.5	1109.8	1236.7	1300.2	1400.1	1599.7
140°	1032.5	996.5	960.3	996.5	1032.5	1041.6	1125.8	1238.0	1294.2	1380.4	1552.8
142.5°	1053.4	1019.9	986.5	1019.9	1053.4	1061.7	1139.2	1242.5	1294.2	1369.9	1521.3
145°	1085.0	1055.9	1026.7	1055.9	1085.0	1092.3	1156.7	1242.5	1285.4	1347.3	1471.2
147.5°	1123.6	1095.3	1066.9	1095.3	1123.6	1130.7	1182.3	1251.0	1285.4	1334.1	1431.5
150°	1144.3	1118.7	1093.2	1118.7	1144.3	1150.8	1195.6	1255.5	1285.4	1326.6	1408.8
152.5°	1159.1	1139.7	1120.2	1139.7	1159.1	1164.0	1204.4	1258.4	1285.4	1320.5	1390.8
155°	1189.2	1174.8	1160.4	1174.8	1189.2	1192.7	1223.6	1264.8	1285.4	1313.3	1369.2
157.5°	1218.1	1204.1	1190.1	1204.1	1218.1	1221.6	1242.9	1271.2	1285.4	1307.1	1350.7
160°	1231.9	1221.1	1210.3	1221.1	1231.9	1234.7	1251.6	1274.1	1285.4	1304.1	1341.3
162.5°	1246.6	1238.5	1230.4	1238.5	1246.6	1248.7	1260.9	1277.2	1285.4	1301.1	1332.5
165°	1266.9	1259.6	1252.2	1259.6	1266.9	1268.7	1274.3	1281.6	1285.4	1296.7	1319.2
167.5°	1279.3	1275.8	1272.3	1275.8	1279.3	1280.1	1284.8	1291.1	1294.2	1301.5	1316.3
170°	1292.4	1288.8	1285.4	1288.8	1292.4	1293.2	1293.5	1294.0	1294.2	1301.5	1316.3
172.5°	1294.0	1293.1	1292.4	1293.1	1294.0	1294.2	1294.2	1294.2	1294.2	1299.9	1311.6
175°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1299.4	1295.9	1294.2	1297.8	1305.2
177.5°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1299.9	1297.2	1295.8	1298.7	1304.6
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P935891

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1
2.5°	958.4	955.6	959.3	948.9	959.3	955.6	958.4	964.9	959.3	963.0	966.9
5°	841.0	836.2	821.2	808.9	821.2	836.2	841.0	860.7	870.0	886.9	909.5
7.5°	751.7	747.9	744.1	736.6	744.1	747.9	751.7	757.3	766.7	781.8	798.7
10°	732.0	732.9	738.5	737.6	738.5	732.9	732.0	730.0	727.2	730.0	740.4
12.5°	782.7	791.1	822.1	820.2	822.1	791.1	782.7	745.1	719.7	715.0	716.9
15°	841.0	843.8	850.3	851.2	850.3	843.8	841.0	825.9	749.8	716.9	706.6
17.5°	846.6	847.5	852.2	852.2	852.2	847.5	846.6	839.9	814.6	770.5	712.2
20°	841.9	843.8	853.1	855.0	853.1	843.8	841.9	833.4	819.3	803.3	759.2
22.5°	839.9	843.8	851.2	850.3	851.2	843.8	839.9	826.9	814.6	803.3	785.5
25°	830.6	830.6	831.5	832.5	831.5	830.6	830.6	820.2	795.9	793.0	782.7
27.5°	810.9	812.8	818.4	817.4	818.4	812.8	810.9	807.1	780.8	778.0	770.5
30°	793.0	791.1	786.4	782.7	786.4	791.1	793.0	787.4	761.0	753.6	755.4
32.5°	763.0	758.2	753.6	750.7	753.6	758.2	763.0	761.0	741.3	731.0	732.9
35°	727.2	728.1	727.2	724.4	727.2	728.1	727.2	729.1	716.9	707.5	706.6
37.5°	701.9	703.8	702.8	699.0	702.8	703.8	701.9	700.0	683.0	680.2	682.1
40°	675.6	676.5	675.6	672.8	675.6	676.5	675.6	671.8	648.3	649.2	655.9
42.5°	650.2	649.2	646.4	644.6	646.4	649.2	650.2	644.6	614.5	611.7	623.9
45°	621.1	622.0	616.3	613.5	616.3	622.0	621.1	617.3	586.3	578.8	587.2
47.5°	592.0	592.0	587.2	584.4	587.2	592.0	592.0	587.2	554.3	546.9	551.5
50°	561.0	560.0	553.4	552.5	553.4	560.0	561.0	558.2	523.3	516.8	516.8
52.5°	525.2	525.2	526.1	528.1	526.1	525.2	525.2	526.1	495.2	488.6	486.7
55°	494.2	495.2	501.7	503.6	501.7	495.2	494.2	494.2	466.1	459.4	455.7
57.5°	462.2	462.2	467.0	467.0	467.0	462.2	462.2	460.4	433.2	427.5	425.6
60°	425.6	427.5	431.2	430.3	431.2	427.5	425.6	423.8	400.2	396.5	389.9
62.5°	387.1	389.0	389.9	388.1	389.9	389.0	387.1	381.4	367.3	364.5	356.1
65°	346.7	348.6	349.5	347.6	349.5	348.6	346.7	343.9	333.5	328.9	321.3
67.5°	305.3	304.4	303.5	307.3	303.5	304.4	305.3	301.6	295.1	291.3	280.9
70°	263.1	263.1	262.2	264.0	262.2	263.1	263.1	260.3	256.5	253.7	244.3
72.5°	218.0	217.1	220.8	218.0	220.8	217.1	218.0	217.1	215.2	212.4	203.0
75°	173.8	175.7	173.8	176.6	173.8	175.7	173.8	174.8	173.8	171.9	165.4
77.5°	132.4	134.4	132.4	132.4	132.4	134.4	132.4	133.4	133.4	133.4	127.8
80°	94.0	93.0	93.0	92.1	93.0	93.0	94.0	94.0	94.9	93.0	91.2
82.5°	60.1	59.2	59.2	61.1	59.2	59.2	60.1	61.1	59.2	59.2	59.2
85°	32.9	33.8	31.9	31.9	31.9	33.8	32.9	31.0	32.9	32.9	31.9
87.5°	12.2	11.3	11.3	11.3	11.3	11.3	12.2	13.2	13.2	13.2	14.1
90°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	44.3	59.0	66.4	57.1
92.5°	166.1	159.4	133.0	106.6	133.0	159.4	166.1	235.4	327.7	374.0	328.4
95°	563.6	543.6	463.5	383.6	463.5	543.6	563.6	740.1	975.5	1093.2	923.3
97.5°	1301.2	1263.0	1110.8	958.6	1110.8	1263.0	1301.2	1412.7	1561.5	1635.8	1352.5
100°	1827.2	1781.9	1600.5	1419.1	1600.5	1781.9	1827.2	1819.1	1808.1	1802.7	1488.3
102.5°	2276.3	2237.4	2082.1	1926.7	2082.1	2237.4	2276.3	2134.1	1944.6	1849.9	1531.0
105°	2800.6	2779.7	2696.2	2612.7	2696.2	2779.7	2800.6	2481.9	2057.0	1844.6	1535.9
107.5°	3073.2	3078.3	3098.5	3118.6	3098.5	3078.3	3073.2	2628.7	2036.1	1739.8	1467.5
110°	3143.1	3164.9	3251.8	3338.9	3251.8	3164.9	3143.1	2646.2	1983.6	1652.3	1406.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3098.5	3132.0	3265.5	3399.1	3265.5	3132.0	3098.5	2590.0	1911.9	1572.9	1354.0
115°	2947.3	2993.7	3178.9	3364.2	3178.9	2993.7	2947.3	2457.4	1804.2	1477.6	1293.3
117.5°	2738.5	2789.9	2995.3	3200.8	2995.3	2789.9	2738.5	2296.3	1706.9	1412.1	1255.4
120°	2597.8	2647.7	2847.4	3047.0	2847.4	2647.7	2597.8	2193.9	1655.2	1385.9	1242.6
122.5°	2457.2	2506.4	2703.3	2900.2	2703.3	2506.4	2457.2	2093.4	1608.3	1365.8	1235.9
125°	2271.0	2316.3	2497.7	2679.1	2497.7	2316.3	2271.0	1962.0	1550.0	1343.9	1230.4
127.5°	2121.6	2159.9	2312.9	2465.9	2312.9	2159.9	2121.6	1856.2	1502.4	1325.5	1227.1
130°	2027.2	2062.6	2204.0	2345.3	2204.0	2062.6	2027.2	1791.0	1476.1	1318.6	1229.1
132.5°	1946.8	1978.5	2105.0	2231.7	2105.0	1978.5	1946.8	1735.4	1453.4	1312.5	1230.4
135°	1833.3	1860.5	1969.7	2078.8	1969.7	1860.5	1833.3	1656.2	1420.1	1302.0	1229.1
137.5°	1749.4	1771.7	1861.1	1950.4	1861.1	1771.7	1749.4	1599.7	1400.1	1300.2	1236.7
140°	1682.1	1703.0	1786.5	1870.0	1786.5	1703.0	1682.1	1552.8	1380.4	1294.2	1238.0
142.5°	1634.9	1652.8	1724.7	1796.5	1724.7	1652.8	1634.9	1521.3	1369.9	1294.2	1242.5
145°	1564.2	1577.7	1632.1	1686.4	1632.1	1577.7	1564.2	1471.2	1347.3	1285.4	1242.5
147.5°	1504.7	1516.0	1561.0	1606.1	1561.0	1516.0	1504.7	1431.5	1334.1	1285.4	1251.0
150°	1470.6	1479.7	1516.3	1552.8	1516.3	1479.7	1470.6	1408.8	1326.6	1285.4	1255.5
152.5°	1443.5	1450.4	1478.0	1505.6	1478.0	1450.4	1443.5	1390.8	1320.5	1285.4	1258.4
155°	1411.2	1415.8	1434.0	1452.3	1434.0	1415.8	1411.2	1369.2	1313.3	1285.4	1264.8
157.5°	1383.3	1386.4	1399.3	1412.1	1399.3	1386.4	1383.3	1350.7	1307.1	1285.4	1271.2
160°	1369.2	1371.1	1378.5	1385.9	1378.5	1371.1	1369.2	1341.3	1304.1	1285.4	1274.1
162.5°	1356.2	1357.9	1364.9	1371.9	1364.9	1357.9	1356.2	1332.5	1301.1	1285.4	1277.2
165°	1336.1	1338.0	1345.2	1352.6	1345.2	1338.0	1336.1	1319.2	1296.7	1285.4	1281.6
167.5°	1327.3	1328.1	1331.2	1334.3	1331.2	1328.1	1327.3	1316.3	1301.5	1294.2	1291.1
170°	1327.3	1327.3	1327.3	1327.3	1327.3	1327.3	1327.3	1316.3	1301.5	1294.2	1294.0
172.5°	1320.3	1319.6	1316.9	1314.2	1316.9	1319.6	1320.3	1311.6	1299.9	1294.2	1294.2
175°	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1305.2	1297.8	1294.2	1295.9
177.5°	1309.0	1308.3	1305.1	1302.0	1305.1	1308.3	1309.0	1304.6	1298.7	1295.8	1297.2
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	993.1	993.1	993.1	993.1	993.1
2.5°	980.9	985.7	988.5	992.2	1001.6
5°	943.3	961.2	966.9	980.9	997.8
7.5°	860.7	915.1	930.2	964.0	990.3
10°	780.8	835.3	861.6	941.5	980.9
12.5°	740.4	772.3	790.2	902.0	967.8
15°	715.0	737.6	750.7	849.4	952.8
17.5°	695.3	711.2	720.7	797.7	932.0
20°	683.0	690.6	699.0	760.1	908.6
22.5°	674.6	670.0	676.5	733.8	876.7
25°	669.0	651.1	658.7	713.1	839.0
27.5°	673.7	634.2	637.1	694.3	799.6
30°	674.6	613.5	614.5	674.6	755.4
32.5°	668.1	592.0	592.9	650.2	705.6
35°	652.0	566.6	565.6	622.0	638.0
37.5°	630.4	539.3	539.3	591.0	563.8
40°	604.1	512.1	514.9	550.6	498.0
42.5°	572.2	483.0	486.7	497.1	449.2
45°	537.4	454.8	457.6	420.0	411.5
47.5°	498.9	425.6	426.6	348.6	399.3
50°	452.9	395.5	391.8	298.8	398.4
52.5°	412.5	362.7	351.4	270.6	361.7
55°	373.0	327.9	303.5	249.0	335.4
57.5°	338.3	282.8	259.4	223.6	329.8
60°	306.3	238.6	220.8	196.3	302.5
62.5°	280.0	205.8	202.0	177.6	274.3
65°	251.8	183.3	182.3	161.6	233.0
67.5°	224.5	168.2	167.3	146.5	177.6
70°	195.4	152.2	150.4	130.6	131.5
72.5°	165.4	134.4	132.4	117.4	109.0
75°	135.3	113.7	112.7	102.5	88.4
77.5°	106.2	90.2	92.1	82.7	64.8
80°	76.1	65.8	67.6	59.2	48.8
82.5°	50.7	43.2	45.1	37.5	32.9
85°	28.2	24.5	25.4	19.7	15.0
87.5°	13.2	11.3	11.3	7.5	4.7
90°	38.5	24.5	22.7	15.8	8.8
92.5°	237.1	168.7	153.8	94.3	34.9
95°	583.5	328.6	301.4	192.6	83.9
97.5°	785.9	360.9	336.9	241.0	145.1
100°	859.6	388.0	366.2	279.3	192.2
102.5°	893.4	415.1	394.8	313.6	232.5
105°	918.4	455.2	438.0	369.3	300.6
107.5°	923.0	514.6	498.7	434.6	370.5
110°	916.1	547.9	533.4	475.6	417.7



TEST NUMBER: P935891

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	916.3	588.0	574.2	519.1	464.0
115°	924.8	648.4	635.7	584.8	533.9
117.5°	942.0	706.9	695.4	649.1	602.9
120°	955.9	741.0	730.2	686.7	643.2
122.5°	976.0	781.2	770.3	726.4	682.5
125°	1003.1	832.8	822.8	782.7	742.7
127.5°	1030.2	882.5	872.4	832.0	791.7
130°	1050.1	915.8	905.0	861.4	817.9
132.5°	1066.1	942.9	932.0	888.5	845.0
135°	1083.5	974.3	964.4	924.8	885.2
137.5°	1109.8	1014.5	1004.7	965.5	926.2
140°	1125.8	1041.6	1032.5	996.5	960.3
142.5°	1139.2	1061.7	1053.4	1019.9	986.5
145°	1156.7	1092.3	1085.0	1055.9	1026.7
147.5°	1182.3	1130.7	1123.6	1095.3	1066.9
150°	1195.6	1150.8	1144.3	1118.7	1093.2
152.5°	1204.4	1164.0	1159.1	1139.7	1120.2
155°	1223.6	1192.7	1189.2	1174.8	1160.4
157.5°	1242.9	1221.6	1218.1	1204.1	1190.1
160°	1251.6	1234.7	1231.9	1221.1	1210.3
162.5°	1260.9	1248.7	1246.6	1238.5	1230.4
165°	1274.3	1268.7	1266.9	1259.6	1252.2
167.5°	1284.8	1280.1	1279.3	1275.8	1272.3
170°	1293.5	1293.2	1292.4	1288.8	1285.4
172.5°	1294.2	1294.2	1294.0	1293.1	1292.4
175°	1299.4	1302.0	1302.0	1302.0	1302.0
177.5°	1299.9	1302.0	1302.0	1302.0	1302.0
180°	1302.0	1302.0	1302.0	1302.0	1302.0



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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	7.90	8.57	9.06	9.71	11.31	10.73	11.39	11.88	12.53	14.14
	3H	8.36	8.96	9.53	10.11	11.73	12.05	12.65	13.22	13.80	15.42
	4H	8.54	9.11	9.72	10.26	11.89	12.49	13.05	13.66	14.20	15.83
	6H	8.65	9.17	9.83	10.33	11.96	12.76	13.28	13.94	14.43	16.07
	8H	8.65	9.14	9.83	10.31	11.94	12.83	13.32	14.01	14.49	16.12
	12H	8.61	9.08	9.80	10.24	11.89	12.86	13.33	14.04	14.49	16.14
4H	2H	8.91	9.47	10.09	10.62	12.25	11.11	11.68	12.29	12.83	14.45
	3H	9.92	10.39	11.10	11.56	13.20	12.60	13.07	13.78	14.24	15.88
	4H	10.18	10.62	11.37	11.78	13.44	13.11	13.55	14.30	14.71	16.37
	6H	10.30	10.67	11.49	11.86	13.50	13.47	13.84	14.66	15.02	16.67
	8H	10.30	10.64	11.49	11.82	13.49	13.57	13.91	14.76	15.09	16.75
	12H	10.26	10.57	11.46	11.76	13.43	13.61	13.93	14.82	15.12	16.78
8H	4H	10.62	10.97	11.81	12.14	13.81	13.22	13.57	14.41	14.75	16.41
	6H	10.87	11.16	12.08	12.38	14.04	13.65	13.93	14.86	15.16	16.81
	8H	10.91	11.16	12.13	12.36	14.04	13.80	14.05	15.01	15.24	16.92
	12H	10.89	11.11	12.11	12.30	14.01	13.89	14.10	15.10	15.30	17.01
12H	4H	10.62	10.93	11.82	12.12	13.79	13.18	13.49	14.38	14.68	16.35
	6H	10.93	11.18	12.15	12.38	14.06	13.64	13.89	14.86	15.09	16.77
	8H	10.99	11.21	12.21	12.40	14.11	13.80	14.01	15.01	15.21	16.92