

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: P936083

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936083
REPORT IS A COMBINATION OF REPORTS P933778 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

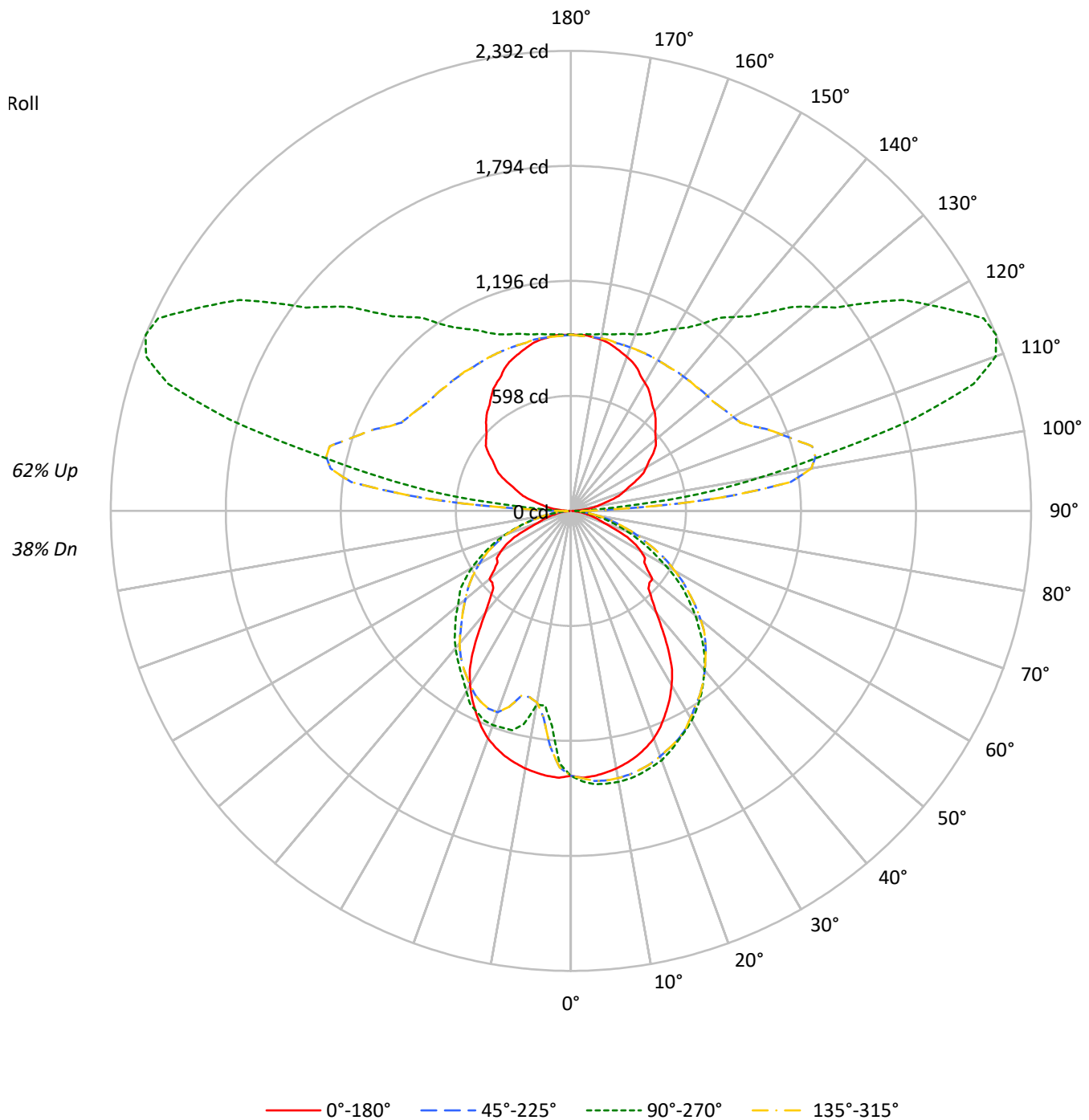
Lumens per Lamp: N/A
Luminaire Lumens: 9514.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 72.4
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

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

Luminous Intensity Polar Plot



TEST NUMBER: P936083

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45			38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38			32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32			27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27			23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23			19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20			17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16			13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13			10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11			9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12777	12777	12777	12777
5°	12860	12898	12860	10142
10°	12759	12705	12759	9084
15°	12605	12429	12605	10379
20°	12327	12104	12327	10401
25°	11774	11629	11774	10180
30°	11063	11234	11063	9697
35°	9847	10734	9847	9165
40°	8192	10146	8192	8764
45°	7305	9457	7305	8301
50°	7744	8637	7744	7837
55°	7265	7753	7265	7569
60°	7460	6584	7460	6932
65°	6733	5443	6733	6085
70°	4631	4338	4631	5100
75°	4017	3206	4017	3839
80°	3168	2119	3168	2309
85°	1722	1123	1722	954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 11217 cd/sqm

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	1.3
10°-20°	352.9	3.7
20°-30°	545.5	5.7
30°-40°	651.3	6.8
40°-50°	655.1	6.9
50°-60°	570.0	6.0
60°-70°	404.1	4.2
70°-80°	213.8	2.2
80°-90°	56.7	0.6
90°-100°	446.7	4.7
100°-110°	1174.3	12.3
110°-120°	1217.6	12.8
120°-130°	976.7	10.3
130°-140°	766.3	8.1
140°-150°	588.2	6.2
150°-160°	423.6	4.5
160°-170°	259.2	2.7
170°-180°	87.6	0.9
0°-30°	1022.8	10.8
0°-40°	1674.0	17.6
0°-60°	2899.1	30.5
0°-90°	3573.8	37.6
90°-120°	2838.6	29.8
90°-150°	5169.8	54.3
90°-180°	5940.0	62.4
0°-180°	9514.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1377	1377	1377	1377	1377	
5°	1384	1426	1384	1122	1384	131
15°	1321	1413	1321	1180	1321	372
25°	1163	1318	1163	1154	1163	534
35°	884	1176	884	1004	884	547
45°	571	969	571	851	571	457
55°	465	715	465	698	465	427
65°	323	431	323	482	323	309
75°	122	204	122	245	122	129
85°	21	52	21	44	21	28
90°	6	23	6	23	6	6
95°	59	270	59	270	59	66
105°	212	1839	212	1839	212	224
115°	376	2368	376	2368	376	371
125°	523	1886	523	1886	523	464
135°	623	1463	623	1463	623	482
145°	723	1187	723	1187	723	453
155°	817	1022	817	1022	817	375
165°	881	952	881	952	881	249
175°	916	922	916	922	916	87
180°	916	916	916	916	916	

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1388.7	1388.7	1396.6	1399.1	1399.1	1395.2	1391.3	1395.2	1406.9	1410.9	1409.6
5°	1383.6	1393.9	1408.3	1410.9	1413.4	1412.1	1409.6	1412.1	1425.2	1427.8	1429.1
7.5°	1373.1	1392.6	1410.9	1414.8	1418.7	1414.8	1413.4	1416.1	1429.1	1431.7	1431.7
10°	1360.1	1387.4	1408.3	1410.9	1414.8	1410.9	1410.9	1416.1	1429.1	1431.7	1433.1
12.5°	1341.8	1379.6	1399.1	1401.8	1406.9	1405.6	1404.4	1409.6	1422.6	1425.2	1425.2
15°	1320.9	1365.3	1383.6	1386.1	1395.2	1392.6	1392.6	1397.9	1412.1	1416.1	1414.8
17.5°	1292.4	1347.1	1367.9	1371.8	1378.3	1376.9	1378.3	1383.6	1396.6	1399.1	1400.4
20°	1259.7	1322.3	1347.1	1350.9	1357.4	1357.4	1357.4	1363.9	1376.9	1382.2	1382.2
22.5°	1215.4	1296.2	1322.3	1324.9	1332.7	1332.7	1335.3	1344.4	1356.1	1357.4	1357.4
25°	1163.4	1267.6	1289.7	1297.6	1305.4	1309.2	1313.2	1318.4	1322.3	1320.9	1322.3
27.5°	1108.7	1231.1	1259.7	1264.9	1275.4	1279.3	1284.5	1285.8	1287.1	1291.0	1288.4
30°	1047.4	1180.2	1223.2	1228.5	1245.4	1248.0	1242.9	1245.4	1251.9	1254.6	1257.2
32.5°	978.3	1104.7	1185.5	1197.2	1212.9	1205.0	1203.7	1207.7	1218.1	1218.1	1220.7
35°	884.5	1046.1	1150.4	1160.7	1172.5	1163.4	1168.5	1169.9	1176.4	1180.2	1179.0
37.5°	781.6	995.3	1113.9	1121.7	1130.7	1119.0	1126.9	1130.7	1136.0	1133.4	1133.4
40°	690.5	915.8	1070.9	1076.0	1083.9	1074.7	1082.5	1085.2	1087.8	1085.2	1083.9
42.5°	622.8	828.5	1025.2	1031.8	1026.5	1033.0	1035.7	1040.9	1037.0	1031.8	1031.8
45°	570.6	805.1	975.7	983.5	975.7	986.2	990.0	990.0	978.3	975.7	974.5
47.5°	553.6	758.2	926.2	926.2	922.3	935.3	941.9	932.8	921.0	917.2	917.2
50°	552.4	706.1	858.5	853.3	871.5	887.2	880.7	871.5	862.5	848.1	848.1
52.5°	501.6	642.3	771.2	790.8	819.5	828.5	818.1	809.0	793.3	786.8	781.6
55°	465.1	575.8	691.8	730.8	760.8	772.5	753.0	743.8	720.4	716.5	713.9
57.5°	457.3	479.4	618.8	668.3	704.8	703.5	691.8	674.8	655.3	651.4	650.1
60°	419.4	346.5	540.6	599.3	637.1	633.1	622.8	607.1	588.8	586.3	583.6
62.5°	380.4	251.4	452.1	518.5	571.9	570.6	561.5	538.1	525.0	518.5	513.3
65°	323.1	211.0	321.7	431.2	508.1	510.6	491.1	474.2	459.9	452.1	450.7
67.5°	246.2	172.0	217.5	359.6	446.9	444.2	419.4	411.7	393.4	389.5	381.7
70°	182.4	114.7	151.2	291.9	386.9	380.4	360.9	351.7	334.8	325.7	320.4
72.5°	151.2	92.5	110.7	226.7	325.7	317.9	300.9	290.5	276.2	268.4	263.2
75°	122.5	97.7	84.7	168.0	264.4	259.2	243.6	233.2	221.5	211.0	212.4
77.5°	89.9	91.2	67.7	123.7	209.7	201.9	192.8	179.7	174.5	164.2	164.2
80°	67.7	71.7	50.8	84.7	151.2	151.2	143.3	134.2	125.0	119.9	119.9
82.5°	45.6	45.6	37.8	53.4	102.9	99.0	93.8	91.2	86.0	83.4	83.4
85°	20.8	26.0	23.5	32.5	56.0	58.7	58.7	56.0	54.7	52.1	53.4
87.5°	6.5	11.7	14.3	18.2	28.7	30.0	31.3	31.3	31.3	32.5	32.5
90°	6.1	11.0	16.0	17.3	27.1	40.2	46.7	41.5	31.2	23.4	23.4
92.5°	24.6	66.4	108.3	118.7	166.8	231.0	263.2	230.6	165.6	116.8	112.2
95°	59.1	135.6	212.1	231.2	410.6	649.8	769.4	686.6	520.9	396.7	382.6
97.5°	102.1	169.6	237.1	254.0	553.0	951.9	1151.3	1098.9	994.2	915.7	888.9
100°	135.3	196.5	257.7	273.0	604.9	1047.4	1268.7	1272.5	1280.2	1285.9	1254.0
102.5°	163.6	220.8	277.9	292.2	628.8	1077.5	1301.9	1368.6	1502.0	1602.1	1574.7
105°	211.6	260.0	308.3	320.4	646.3	1080.9	1298.2	1447.6	1746.7	1971.0	1956.3
107.5°	260.8	305.9	351.0	362.3	649.7	1032.8	1224.4	1433.0	1850.0	2162.9	2166.4
110°	293.9	334.6	375.5	385.6	644.7	990.1	1162.9	1396.1	1862.4	2212.1	2227.4



TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	326.6	365.4	404.3	413.9	644.9	953.0	1107.0	1345.6	1822.8	2180.7	2204.2
115°	375.8	411.6	447.3	456.3	650.9	910.3	1039.9	1269.8	1729.5	2074.3	2107.0
117.5°	424.4	456.9	489.5	497.5	663.0	883.6	993.8	1201.2	1616.2	1927.3	1963.5
120°	452.6	483.2	513.8	521.5	672.7	874.5	975.4	1164.9	1544.0	1828.3	1863.4
122.5°	480.3	511.1	542.1	549.8	686.9	869.8	961.3	1131.9	1473.3	1729.3	1764.0
125°	522.8	550.9	579.1	586.1	706.0	865.9	945.9	1090.8	1380.8	1598.3	1630.3
127.5°	557.2	585.6	614.0	621.1	725.0	863.6	933.0	1057.5	1306.4	1493.2	1520.1
130°	575.6	606.2	636.8	644.4	739.0	865.0	928.0	1038.8	1260.5	1426.7	1451.6
132.5°	594.7	625.3	655.9	663.6	750.2	865.9	923.7	1022.9	1221.4	1370.1	1392.4
135°	623.0	650.9	678.7	685.7	762.6	865.0	916.3	999.4	1165.6	1290.2	1309.4
137.5°	651.8	679.5	707.1	714.0	781.0	870.4	915.1	985.3	1125.8	1231.2	1246.9
140°	675.9	701.3	726.8	733.1	792.3	871.3	910.8	971.4	1092.8	1183.8	1198.5
142.5°	694.3	717.8	741.3	747.2	801.7	874.4	910.8	964.1	1070.7	1150.7	1163.3
145°	722.6	743.1	763.6	768.7	814.0	874.5	904.7	948.2	1035.4	1100.8	1110.3
147.5°	750.8	770.9	790.8	795.8	832.1	880.5	904.7	939.0	1007.5	1059.0	1066.9
150°	769.4	787.4	805.4	809.9	841.5	883.6	904.7	933.6	991.5	1035.0	1041.4
152.5°	788.4	802.1	815.7	819.2	847.7	885.6	904.7	929.4	978.9	1016.0	1020.8
155°	816.7	826.9	836.9	839.5	861.2	890.2	904.7	924.4	963.7	993.2	996.5
157.5°	837.6	847.5	857.2	859.7	874.7	894.7	904.7	919.9	950.5	973.5	975.7
160°	851.7	859.4	867.1	869.0	880.9	896.8	904.7	917.8	944.0	963.6	964.9
162.5°	865.9	871.6	877.3	878.8	887.4	898.9	904.7	915.7	937.9	954.4	955.6
165°	881.3	886.4	891.6	892.9	896.9	902.1	904.7	912.5	928.4	940.2	941.5
167.5°	895.4	897.9	900.3	900.9	904.2	908.6	910.8	916.0	926.3	934.1	934.7
170°	904.7	907.1	909.6	910.2	910.4	910.7	910.8	916.0	926.3	934.1	934.1
172.5°	909.6	910.1	910.7	910.8	910.8	910.8	910.8	914.9	923.1	929.2	928.7
175°	916.3	916.3	916.3	916.3	914.4	912.0	910.8	913.3	918.6	922.5	922.5
177.5°	916.3	916.3	916.3	916.3	914.9	913.0	912.0	914.1	918.2	921.2	920.6
180°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1412.1	1408.3	1412.1	1409.6	1410.9	1406.9	1395.2	1391.3	1395.2	1399.1	1399.1
5°	1429.1	1426.5	1429.1	1429.1	1427.8	1425.2	1412.1	1409.6	1412.1	1413.4	1410.9
7.5°	1434.3	1430.4	1434.3	1431.7	1431.7	1429.1	1416.1	1413.4	1414.8	1418.7	1414.8
10°	1434.3	1430.4	1434.3	1433.1	1431.7	1429.1	1416.1	1410.9	1410.9	1414.8	1410.9
12.5°	1427.8	1425.2	1427.8	1425.2	1425.2	1422.6	1409.6	1404.4	1405.6	1406.9	1401.8
15°	1417.4	1413.4	1417.4	1414.8	1416.1	1412.1	1397.9	1392.6	1392.6	1395.2	1386.1
17.5°	1401.8	1396.6	1401.8	1400.4	1399.1	1396.6	1383.6	1378.3	1376.9	1378.3	1371.8
20°	1383.6	1379.6	1383.6	1382.2	1382.2	1376.9	1363.9	1357.4	1357.4	1357.4	1350.9
22.5°	1354.9	1350.9	1354.9	1357.4	1357.4	1356.1	1344.4	1335.3	1332.7	1332.7	1324.9
25°	1322.3	1318.4	1322.3	1322.3	1320.9	1322.3	1318.4	1313.2	1309.2	1305.4	1297.6
27.5°	1291.0	1288.4	1291.0	1288.4	1291.0	1287.1	1285.8	1284.5	1279.3	1275.4	1264.9
30°	1259.7	1257.2	1259.7	1257.2	1254.6	1251.9	1245.4	1242.9	1248.0	1245.4	1228.5
32.5°	1220.7	1218.1	1220.7	1220.7	1218.1	1218.1	1207.7	1203.7	1205.0	1212.9	1197.2
35°	1180.2	1176.4	1180.2	1179.0	1180.2	1176.4	1169.9	1168.5	1163.4	1172.5	1160.7
37.5°	1133.4	1129.5	1133.4	1133.4	1133.4	1136.0	1130.7	1126.9	1119.0	1130.7	1121.7
40°	1085.2	1080.0	1085.2	1083.9	1085.2	1087.8	1085.2	1082.5	1074.7	1083.9	1076.0
42.5°	1030.5	1029.2	1030.5	1031.8	1031.8	1037.0	1040.9	1035.7	1033.0	1026.5	1031.8
45°	971.8	969.2	971.8	974.5	975.7	978.3	990.0	990.0	986.2	975.7	983.5
47.5°	909.3	902.8	909.3	917.2	917.2	921.0	932.8	941.9	935.3	922.3	926.2
50°	842.8	844.2	842.8	848.1	848.1	862.5	871.5	880.7	887.2	871.5	853.3
52.5°	777.8	776.5	777.8	781.6	786.8	793.3	809.0	818.1	828.5	819.5	790.8
55°	712.6	715.2	712.6	713.9	716.5	720.4	743.8	753.0	772.5	760.8	730.8
57.5°	647.5	643.6	647.5	650.1	651.4	655.3	674.8	691.8	703.5	704.8	668.3
60°	571.9	566.7	571.9	583.6	586.3	588.8	607.1	622.8	633.1	637.1	599.3
62.5°	505.4	496.4	505.4	513.3	518.5	525.0	538.1	561.5	570.6	571.9	518.5
65°	435.1	431.2	435.1	450.7	452.1	459.9	474.2	491.1	510.6	508.1	431.2
67.5°	371.3	371.3	371.3	381.7	389.5	393.4	411.7	419.4	444.2	446.9	359.6
70°	312.7	311.4	312.7	320.4	325.7	334.8	351.7	360.9	380.4	386.9	291.9
72.5°	256.7	255.4	256.7	263.2	268.4	276.2	290.5	300.9	317.9	325.7	226.7
75°	207.2	204.5	207.2	212.4	211.0	221.5	233.2	243.6	259.2	264.4	168.0
77.5°	158.9	158.9	158.9	164.2	164.2	174.5	179.7	192.8	201.9	209.7	123.7
80°	118.5	117.2	118.5	119.9	119.9	125.0	134.2	143.3	151.2	151.2	84.7
82.5°	83.4	80.8	83.4	83.4	83.4	86.0	91.2	93.8	99.0	102.9	53.4
85°	52.1	52.1	52.1	53.4	52.1	54.7	56.0	58.7	58.7	56.0	32.5
87.5°	33.9	32.5	33.9	32.5	32.5	31.3	31.3	31.3	30.0	28.7	18.2
90°	23.4	23.4	23.4	23.4	23.4	31.2	41.5	46.7	40.2	27.1	17.3
92.5°	93.6	75.0	93.6	112.2	116.8	165.6	230.6	263.2	231.0	166.8	118.7
95°	326.3	270.0	326.3	382.6	396.7	520.9	686.6	769.4	649.8	410.6	231.2
97.5°	781.8	674.6	781.8	888.9	915.7	994.2	1098.9	1151.3	951.9	553.0	254.0
100°	1126.4	998.7	1126.4	1254.0	1285.9	1280.2	1272.5	1268.7	1047.4	604.9	273.0
102.5°	1465.4	1356.0	1465.4	1574.7	1602.1	1502.0	1368.6	1301.9	1077.5	628.8	292.2
105°	1897.6	1838.8	1897.6	1956.3	1971.0	1746.7	1447.6	1298.2	1080.9	646.3	320.4
107.5°	2180.6	2194.8	2180.6	2166.4	2162.9	1850.0	1433.0	1224.4	1032.8	649.7	362.3
110°	2288.6	2349.8	2288.6	2227.4	2212.1	1862.4	1396.1	1162.9	990.1	644.7	385.6

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2298.3	2392.2	2298.3	2204.2	2180.7	1822.8	1345.6	1107.0	953.0	644.9	413.9
115°	2237.3	2367.7	2237.3	2107.0	2074.3	1729.5	1269.8	1039.9	910.3	650.9	456.3
117.5°	2108.1	2252.6	2108.1	1963.5	1927.3	1616.2	1201.2	993.8	883.6	663.0	497.5
120°	2003.9	2144.5	2003.9	1863.4	1828.3	1544.0	1164.9	975.4	874.5	672.7	521.5
122.5°	1902.6	2041.1	1902.6	1764.0	1729.3	1473.3	1131.9	961.3	869.8	686.9	549.8
125°	1757.8	1885.5	1757.8	1630.3	1598.3	1380.8	1090.8	945.9	865.9	706.0	586.1
127.5°	1627.8	1735.5	1627.8	1520.1	1493.2	1306.4	1057.5	933.0	863.6	725.0	621.1
130°	1551.1	1650.6	1551.1	1451.6	1426.7	1260.5	1038.8	928.0	865.0	739.0	644.4
132.5°	1481.5	1570.6	1481.5	1392.4	1370.1	1221.4	1022.9	923.7	865.9	750.2	663.6
135°	1386.2	1463.0	1386.2	1309.4	1290.2	1165.6	999.4	916.3	865.0	762.6	685.7
137.5°	1309.8	1372.6	1309.8	1246.9	1231.2	1125.8	985.3	915.1	870.4	781.0	714.0
140°	1257.2	1316.0	1257.2	1198.5	1183.8	1092.8	971.4	910.8	871.3	792.3	733.1
142.5°	1213.9	1264.3	1213.9	1163.3	1150.7	1070.7	964.1	910.8	874.4	801.7	747.2
145°	1148.7	1186.9	1148.7	1110.3	1100.8	1035.4	948.2	904.7	874.5	814.0	768.7
147.5°	1098.6	1130.4	1098.6	1066.9	1059.0	1007.5	939.0	904.7	880.5	832.1	795.8
150°	1067.1	1092.8	1067.1	1041.4	1035.0	991.5	933.6	904.7	883.6	841.5	809.9
152.5°	1040.2	1059.6	1040.2	1020.8	1016.0	978.9	929.4	904.7	885.6	847.7	819.2
155°	1009.3	1022.1	1009.3	996.5	993.2	963.7	924.4	904.7	890.2	861.2	839.5
157.5°	984.7	993.8	984.7	975.7	973.5	950.5	919.9	904.7	894.7	874.7	859.7
160°	970.1	975.4	970.1	964.9	963.6	944.0	917.8	904.7	896.8	880.9	869.0
162.5°	960.6	965.5	960.6	955.6	954.4	937.9	915.7	904.7	898.9	887.4	878.8
165°	946.8	952.0	946.8	941.5	940.2	928.4	912.5	904.7	902.1	896.9	892.9
167.5°	936.9	939.1	936.9	934.7	934.1	926.3	916.0	910.8	908.6	904.2	900.9
170°	934.1	934.1	934.1	934.1	934.1	926.3	916.0	910.8	910.7	910.4	910.2
172.5°	926.8	925.0	926.8	928.7	929.2	923.1	914.9	910.8	910.8	910.8	910.8
175°	922.5	922.5	922.5	922.5	922.5	918.6	913.3	910.8	912.0	914.4	916.3
177.5°	918.5	916.3	918.5	920.6	921.2	918.2	914.1	912.0	913.0	914.9	916.3
180°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1396.6	1388.7	1388.7	1375.7	1370.4	1366.6	1360.1	1340.6	1335.3	1330.1	1337.9
5°	1408.3	1393.9	1383.6	1360.1	1340.6	1332.7	1307.9	1261.1	1229.7	1206.4	1193.4
7.5°	1410.9	1392.6	1373.1	1336.6	1289.7	1268.9	1193.4	1107.4	1083.9	1063.0	1050.0
10°	1408.3	1387.4	1360.1	1305.4	1194.6	1158.2	1082.5	1026.5	1012.2	1008.3	1012.2
12.5°	1399.1	1379.6	1341.8	1250.6	1095.6	1070.9	1026.5	994.0	991.4	997.9	1033.0
15°	1383.6	1365.3	1320.9	1177.7	1040.9	1022.7	991.4	979.7	994.0	1039.5	1145.1
17.5°	1367.9	1347.1	1292.4	1106.0	999.2	986.2	964.0	987.5	1068.2	1129.5	1164.7
20°	1347.1	1322.3	1259.7	1053.9	969.2	957.5	947.1	1052.7	1113.9	1136.0	1155.5
22.5°	1322.3	1296.2	1215.4	1017.5	938.0	928.8	935.3	1089.1	1113.9	1129.5	1146.4
25°	1289.7	1267.6	1163.4	988.8	913.2	902.8	927.5	1085.2	1099.5	1103.4	1137.3
27.5°	1259.7	1231.1	1108.7	962.7	883.3	879.3	934.0	1068.2	1078.7	1082.5	1119.0
30°	1223.2	1180.2	1047.4	935.3	852.0	850.7	935.3	1047.4	1044.8	1055.2	1091.7
32.5°	1185.5	1104.7	978.3	901.5	822.0	820.7	926.2	1016.2	1013.5	1027.9	1055.2
35°	1150.4	1046.1	884.5	862.5	784.3	785.5	904.1	979.7	981.0	994.0	1010.9
37.5°	1113.9	995.3	781.6	819.5	747.8	747.8	874.1	945.8	943.2	947.1	970.5
40°	1070.9	915.8	690.5	763.4	713.9	710.0	837.7	909.3	900.2	898.9	931.5
42.5°	1025.2	828.5	622.8	689.1	674.8	669.6	793.3	865.0	848.1	852.0	893.7
45°	975.7	805.1	570.6	582.3	634.4	630.5	745.1	814.2	802.5	813.0	855.9
47.5°	926.2	758.2	553.6	483.3	591.4	590.1	691.8	764.7	758.2	768.6	814.2
50°	858.5	706.1	552.4	414.3	543.3	548.4	627.9	716.5	716.5	725.6	773.8
52.5°	771.2	642.3	501.6	375.2	487.2	502.9	571.9	674.8	677.4	686.6	729.5
55°	691.8	575.8	465.1	345.2	420.8	454.6	517.2	631.8	637.1	646.1	685.3
57.5°	618.8	479.4	457.3	310.1	359.6	392.1	468.9	590.1	592.8	600.6	638.3
60°	540.6	346.5	419.4	272.2	306.2	330.9	424.7	540.6	549.8	554.9	587.6
62.5°	452.1	251.4	380.4	246.2	280.1	285.3	388.2	493.7	505.4	509.4	528.9
65°	321.7	211.0	323.1	224.1	252.7	254.0	349.1	445.6	455.9	462.4	476.8
67.5°	217.5	172.0	246.2	203.2	231.9	233.2	311.4	389.5	403.9	409.1	418.2
70°	151.2	114.7	182.4	181.1	208.4	211.0	271.0	338.7	351.7	355.7	360.9
72.5°	110.7	92.5	151.2	162.9	183.7	186.3	229.2	281.4	294.4	298.4	300.9
75°	84.7	97.7	122.5	142.0	156.3	157.7	187.6	229.2	238.4	241.0	242.3
77.5°	67.7	91.2	89.9	114.7	127.7	125.0	147.2	177.2	185.0	185.0	185.0
80°	50.8	71.7	67.7	82.0	93.8	91.2	105.5	126.4	129.0	131.5	130.3
82.5°	37.8	45.6	45.6	52.1	62.5	59.9	70.3	82.0	82.0	82.0	84.7
85°	23.5	26.0	20.8	27.3	35.2	33.9	39.0	44.3	45.6	45.6	43.0
87.5°	14.3	11.7	6.5	10.5	15.7	15.7	18.2	19.5	18.2	18.2	18.2
90°	16.0	11.0	6.1	11.0	16.0	17.3	27.1	40.2	46.7	41.5	31.2
92.5°	108.3	66.4	24.6	66.4	108.3	118.7	166.8	231.0	263.2	230.6	165.6
95°	212.1	135.6	59.1	135.6	212.1	231.2	410.6	649.8	769.4	686.6	520.9
97.5°	237.1	169.6	102.1	169.6	237.1	254.0	553.0	951.9	1151.3	1098.9	994.2
100°	257.7	196.5	135.3	196.5	257.7	273.0	604.9	1047.4	1268.7	1272.5	1280.2
102.5°	277.9	220.8	163.6	220.8	277.9	292.2	628.8	1077.5	1301.9	1368.6	1502.0
105°	308.3	260.0	211.6	260.0	308.3	320.4	646.3	1080.9	1298.2	1447.6	1746.7
107.5°	351.0	305.9	260.8	305.9	351.0	362.3	649.7	1032.8	1224.4	1433.0	1850.0
110°	375.5	334.6	293.9	334.6	375.5	385.6	644.7	990.1	1162.9	1396.1	1862.4

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	404.3	365.4	326.6	365.4	404.3	413.9	644.9	953.0	1107.0	1345.6	1822.8
115°	447.3	411.6	375.8	411.6	447.3	456.3	650.9	910.3	1039.9	1269.8	1729.5
117.5°	489.5	456.9	424.4	456.9	489.5	497.5	663.0	883.6	993.8	1201.2	1616.2
120°	513.8	483.2	452.6	483.2	513.8	521.5	672.7	874.5	975.4	1164.9	1544.0
122.5°	542.1	511.1	480.3	511.1	542.1	549.8	686.9	869.8	961.3	1131.9	1473.3
125°	579.1	550.9	522.8	550.9	579.1	586.1	706.0	865.9	945.9	1090.8	1380.8
127.5°	614.0	585.6	557.2	585.6	614.0	621.1	725.0	863.6	933.0	1057.5	1306.4
130°	636.8	606.2	575.6	606.2	636.8	644.4	739.0	865.0	928.0	1038.8	1260.5
132.5°	655.9	625.3	594.7	625.3	655.9	663.6	750.2	865.9	923.7	1022.9	1221.4
135°	678.7	650.9	623.0	650.9	678.7	685.7	762.6	865.0	916.3	999.4	1165.6
137.5°	707.1	679.5	651.8	679.5	707.1	714.0	781.0	870.4	915.1	985.3	1125.8
140°	726.8	701.3	675.9	701.3	726.8	733.1	792.3	871.3	910.8	971.4	1092.8
142.5°	741.3	717.8	694.3	717.8	741.3	747.2	801.7	874.4	910.8	964.1	1070.7
145°	763.6	743.1	722.6	743.1	763.6	768.7	814.0	874.5	904.7	948.2	1035.4
147.5°	790.8	770.9	750.8	770.9	790.8	795.8	832.1	880.5	904.7	939.0	1007.5
150°	805.4	787.4	769.4	787.4	805.4	809.9	841.5	883.6	904.7	933.6	991.5
152.5°	815.7	802.1	788.4	802.1	815.7	819.2	847.7	885.6	904.7	929.4	978.9
155°	836.9	826.9	816.7	826.9	836.9	839.5	861.2	890.2	904.7	924.4	963.7
157.5°	857.2	847.5	837.6	847.5	857.2	859.7	874.7	894.7	904.7	919.9	950.5
160°	867.1	859.4	851.7	859.4	867.1	869.0	880.9	896.8	904.7	917.8	944.0
162.5°	877.3	871.6	865.9	871.6	877.3	878.8	887.4	898.9	904.7	915.7	937.9
165°	891.6	886.4	881.3	886.4	891.6	892.9	896.9	902.1	904.7	912.5	928.4
167.5°	900.3	897.9	895.4	897.9	900.3	900.9	904.2	908.6	910.8	916.0	926.3
170°	909.6	907.1	904.7	907.1	909.6	910.2	910.4	910.7	910.8	916.0	926.3
172.5°	910.7	910.1	909.6	910.1	910.7	910.8	910.8	910.8	910.8	914.9	923.1
175°	916.3	916.3	916.3	916.3	916.3	916.3	914.4	912.0	910.8	913.3	918.6
177.5°	916.3	916.3	916.3	916.3	916.3	916.3	914.9	913.0	912.0	914.1	918.2
180°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1328.8	1324.9	1330.1	1315.7	1330.1	1324.9	1328.8	1337.9	1330.1	1335.3	1340.6
5°	1165.9	1159.4	1138.6	1121.7	1138.6	1159.4	1165.9	1193.4	1206.4	1229.7	1261.1
7.5°	1042.2	1037.0	1031.8	1021.3	1031.8	1037.0	1042.2	1050.0	1063.0	1083.9	1107.4
10°	1014.8	1016.2	1024.0	1022.7	1024.0	1016.2	1014.8	1012.2	1008.3	1012.2	1026.5
12.5°	1085.2	1096.9	1139.9	1137.3	1139.9	1096.9	1085.2	1033.0	997.9	991.4	994.0
15°	1165.9	1169.9	1179.0	1180.2	1179.0	1169.9	1165.9	1145.1	1039.5	994.0	979.7
17.5°	1173.7	1175.1	1181.6	1181.6	1181.6	1175.1	1173.7	1164.7	1129.5	1068.2	987.5
20°	1167.2	1169.9	1182.9	1185.5	1182.9	1169.9	1167.2	1155.5	1136.0	1113.9	1052.7
22.5°	1164.7	1169.9	1180.2	1179.0	1180.2	1169.9	1164.7	1146.4	1129.5	1113.9	1089.1
25°	1151.6	1151.6	1152.9	1154.2	1152.9	1151.6	1151.6	1137.3	1103.4	1099.5	1085.2
27.5°	1124.2	1126.9	1134.7	1133.4	1134.7	1126.9	1124.2	1119.0	1082.5	1078.7	1068.2
30°	1099.5	1096.9	1090.4	1085.2	1090.4	1096.9	1099.5	1091.7	1055.2	1044.8	1047.4
32.5°	1057.8	1051.3	1044.8	1040.9	1044.8	1051.3	1057.8	1055.2	1027.9	1013.5	1016.2
35°	1008.3	1009.7	1008.3	1004.4	1008.3	1009.7	1008.3	1010.9	994.0	981.0	979.7
37.5°	973.2	975.7	974.5	969.2	974.5	975.7	973.2	970.5	947.1	943.2	945.8
40°	936.7	938.0	936.7	932.8	936.7	938.0	936.7	931.5	898.9	900.2	909.3
42.5°	901.5	900.2	896.3	893.7	896.3	900.2	901.5	893.7	852.0	848.1	865.0
45°	861.1	862.5	854.6	850.7	854.6	862.5	861.1	855.9	813.0	802.5	814.2
47.5°	820.7	820.7	814.2	810.3	814.2	820.7	820.7	814.2	768.6	758.2	764.7
50°	777.8	776.5	767.3	766.0	767.3	776.5	777.8	773.8	725.6	716.5	716.5
52.5°	728.3	728.3	729.5	732.1	729.5	728.3	728.3	729.5	686.6	677.4	674.8
55°	685.3	686.6	695.6	698.3	695.6	686.6	685.3	685.3	646.1	637.1	631.8
57.5°	640.9	640.9	647.5	647.5	647.5	640.9	640.9	638.3	600.6	592.8	590.1
60°	590.1	592.8	597.9	596.6	597.9	592.8	590.1	587.6	554.9	549.8	540.6
62.5°	536.7	539.3	540.6	538.1	540.6	539.3	536.7	528.9	509.4	505.4	493.7
65°	480.7	483.3	484.6	482.1	484.6	483.3	480.7	476.8	462.4	455.9	445.6
67.5°	423.4	422.1	420.8	426.0	420.8	422.1	423.4	418.2	409.1	403.9	389.5
70°	364.7	364.7	363.4	366.1	363.4	364.7	364.7	360.9	355.7	351.7	338.7
72.5°	302.2	300.9	306.2	302.2	306.2	300.9	302.2	300.9	298.4	294.4	281.4
75°	241.0	243.6	241.0	244.9	241.0	243.6	241.0	242.3	241.0	238.4	229.2
77.5°	183.7	186.3	183.7	183.7	183.7	186.3	183.7	185.0	185.0	185.0	177.2
80°	130.3	129.0	129.0	127.7	129.0	129.0	130.3	130.3	131.5	129.0	126.4
82.5°	83.4	82.0	82.0	84.7	82.0	82.0	83.4	84.7	82.0	82.0	82.0
85°	45.6	46.9	44.3	44.3	44.3	46.9	45.6	43.0	45.6	45.6	44.3
87.5°	17.0	15.7	15.7	15.7	15.7	15.7	17.0	18.2	18.2	18.2	19.5
90°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	31.2	41.5	46.7	40.2
92.5°	116.8	112.2	93.6	75.0	93.6	112.2	116.8	165.6	230.6	263.2	231.0
95°	396.7	382.6	326.3	270.0	326.3	382.6	396.7	520.9	686.6	769.4	649.8
97.5°	915.7	888.9	781.8	674.6	781.8	888.9	915.7	994.2	1098.9	1151.3	951.9
100°	1285.9	1254.0	1126.4	998.7	1126.4	1254.0	1285.9	1280.2	1272.5	1268.7	1047.4
102.5°	1602.1	1574.7	1465.4	1356.0	1465.4	1574.7	1602.1	1502.0	1368.6	1301.9	1077.5
105°	1971.0	1956.3	1897.6	1838.8	1897.6	1956.3	1971.0	1746.7	1447.6	1298.2	1080.9
107.5°	2162.9	2166.4	2180.6	2194.8	2180.6	2166.4	2162.9	1850.0	1433.0	1224.4	1032.8
110°	2212.1	2227.4	2288.6	2349.8	2288.6	2227.4	2212.1	1862.4	1396.1	1162.9	990.1

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2180.7	2204.2	2298.3	2392.2	2298.3	2204.2	2180.7	1822.8	1345.6	1107.0	953.0
115°	2074.3	2107.0	2237.3	2367.7	2237.3	2107.0	2074.3	1729.5	1269.8	1039.9	910.3
117.5°	1927.3	1963.5	2108.1	2252.6	2108.1	1963.5	1927.3	1616.2	1201.2	993.8	883.6
120°	1828.3	1863.4	2003.9	2144.5	2003.9	1863.4	1828.3	1544.0	1164.9	975.4	874.5
122.5°	1729.3	1764.0	1902.6	2041.1	1902.6	1764.0	1729.3	1473.3	1131.9	961.3	869.8
125°	1598.3	1630.3	1757.8	1885.5	1757.8	1630.3	1598.3	1380.8	1090.8	945.9	865.9
127.5°	1493.2	1520.1	1627.8	1735.5	1627.8	1520.1	1493.2	1306.4	1057.5	933.0	863.6
130°	1426.7	1451.6	1551.1	1650.6	1551.1	1451.6	1426.7	1260.5	1038.8	928.0	865.0
132.5°	1370.1	1392.4	1481.5	1570.6	1481.5	1392.4	1370.1	1221.4	1022.9	923.7	865.9
135°	1290.2	1309.4	1386.2	1463.0	1386.2	1309.4	1290.2	1165.6	999.4	916.3	865.0
137.5°	1231.2	1246.9	1309.8	1372.6	1309.8	1246.9	1231.2	1125.8	985.3	915.1	870.4
140°	1183.8	1198.5	1257.2	1316.0	1257.2	1198.5	1183.8	1092.8	971.4	910.8	871.3
142.5°	1150.7	1163.3	1213.9	1264.3	1213.9	1163.3	1150.7	1070.7	964.1	910.8	874.4
145°	1100.8	1110.3	1148.7	1186.9	1148.7	1110.3	1100.8	1035.4	948.2	904.7	874.5
147.5°	1059.0	1066.9	1098.6	1130.4	1098.6	1066.9	1059.0	1007.5	939.0	904.7	880.5
150°	1035.0	1041.4	1067.1	1092.8	1067.1	1041.4	1035.0	991.5	933.6	904.7	883.6
152.5°	1016.0	1020.8	1040.2	1059.6	1040.2	1020.8	1016.0	978.9	929.4	904.7	885.6
155°	993.2	996.5	1009.3	1022.1	1009.3	996.5	993.2	963.7	924.4	904.7	890.2
157.5°	973.5	975.7	984.7	993.8	984.7	975.7	973.5	950.5	919.9	904.7	894.7
160°	963.6	964.9	970.1	975.4	970.1	964.9	963.6	944.0	917.8	904.7	896.8
162.5°	954.4	955.6	960.6	965.5	960.6	955.6	954.4	937.9	915.7	904.7	898.9
165°	940.2	941.5	946.8	952.0	946.8	941.5	940.2	928.4	912.5	904.7	902.1
167.5°	934.1	934.7	936.9	939.1	936.9	934.7	934.1	926.3	916.0	910.8	908.6
170°	934.1	934.1	934.1	934.1	934.1	934.1	934.1	926.3	916.0	910.8	910.7
172.5°	929.2	928.7	926.8	925.0	926.8	928.7	929.2	923.1	914.9	910.8	910.8
175°	922.5	922.5	922.5	922.5	922.5	922.5	922.5	918.6	913.3	910.8	912.0
177.5°	921.2	920.6	918.5	916.3	918.5	920.6	921.2	918.2	914.1	912.0	913.0
180°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1360.1	1366.6	1370.4	1375.7	1388.7
5°	1307.9	1332.7	1340.6	1360.1	1383.6
7.5°	1193.4	1268.9	1289.7	1336.6	1373.1
10°	1082.5	1158.2	1194.6	1305.4	1360.1
12.5°	1026.5	1070.9	1095.6	1250.6	1341.8
15°	991.4	1022.7	1040.9	1177.7	1320.9
17.5°	964.0	986.2	999.2	1106.0	1292.4
20°	947.1	957.5	969.2	1053.9	1259.7
22.5°	935.3	928.8	938.0	1017.5	1215.4
25°	927.5	902.8	913.2	988.8	1163.4
27.5°	934.0	879.3	883.3	962.7	1108.7
30°	935.3	850.7	852.0	935.3	1047.4
32.5°	926.2	820.7	822.0	901.5	978.3
35°	904.1	785.5	784.3	862.5	884.5
37.5°	874.1	747.8	747.8	819.5	781.6
40°	837.7	710.0	713.9	763.4	690.5
42.5°	793.3	669.6	674.8	689.1	622.8
45°	745.1	630.5	634.4	582.3	570.6
47.5°	691.8	590.1	591.4	483.3	553.6
50°	627.9	548.4	543.3	414.3	552.4
52.5°	571.9	502.9	487.2	375.2	501.6
55°	517.2	454.6	420.8	345.2	465.1
57.5°	468.9	392.1	359.6	310.1	457.3
60°	424.7	330.9	306.2	272.2	419.4
62.5°	388.2	285.3	280.1	246.2	380.4
65°	349.1	254.0	252.7	224.1	323.1
67.5°	311.4	233.2	231.9	203.2	246.2
70°	271.0	211.0	208.4	181.1	182.4
72.5°	229.2	186.3	183.7	162.9	151.2
75°	187.6	157.7	156.3	142.0	122.5
77.5°	147.2	125.0	127.7	114.7	89.9
80°	105.5	91.2	93.8	82.0	67.7
82.5°	70.3	59.9	62.5	52.1	45.6
85°	39.0	33.9	35.2	27.3	20.8
87.5°	18.2	15.7	15.7	10.5	6.5
90°	27.1	17.3	16.0	11.0	6.1
92.5°	166.8	118.7	108.3	66.4	24.6
95°	410.6	231.2	212.1	135.6	59.1
97.5°	553.0	254.0	237.1	169.6	102.1
100°	604.9	273.0	257.7	196.5	135.3
102.5°	628.8	292.2	277.9	220.8	163.6
105°	646.3	320.4	308.3	260.0	211.6
107.5°	649.7	362.3	351.0	305.9	260.8
110°	644.7	385.6	375.5	334.6	293.9

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	644.9	413.9	404.3	365.4	326.6
115°	650.9	456.3	447.3	411.6	375.8
117.5°	663.0	497.5	489.5	456.9	424.4
120°	672.7	521.5	513.8	483.2	452.6
122.5°	686.9	549.8	542.1	511.1	480.3
125°	706.0	586.1	579.1	550.9	522.8
127.5°	725.0	621.1	614.0	585.6	557.2
130°	739.0	644.4	636.8	606.2	575.6
132.5°	750.2	663.6	655.9	625.3	594.7
135°	762.6	685.7	678.7	650.9	623.0
137.5°	781.0	714.0	707.1	679.5	651.8
140°	792.3	733.1	726.8	701.3	675.9
142.5°	801.7	747.2	741.3	717.8	694.3
145°	814.0	768.7	763.6	743.1	722.6
147.5°	832.1	795.8	790.8	770.9	750.8
150°	841.5	809.9	805.4	787.4	769.4
152.5°	847.7	819.2	815.7	802.1	788.4
155°	861.2	839.5	836.9	826.9	816.7
157.5°	874.7	859.7	857.2	847.5	837.6
160°	880.9	869.0	867.1	859.4	851.7
162.5°	887.4	878.8	877.3	871.6	865.9
165°	896.9	892.9	891.6	886.4	881.3
167.5°	904.2	900.9	900.3	897.9	895.4
170°	910.4	910.2	909.6	907.1	904.7
172.5°	910.8	910.8	910.7	910.1	909.6
175°	914.4	916.3	916.3	916.3	916.3
177.5°	914.9	916.3	916.3	916.3	916.3
180°	916.3	916.3	916.3	916.3	916.3

TEST NUMBER: P936083

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-4-3000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.37	13.13	13.43	14.19	15.63	15.17	15.93	16.23	16.99	18.43
	3H	12.84	13.52	13.91	14.59	16.05	16.50	17.18	17.56	18.25	19.70
	4H	13.03	13.67	14.11	14.74	16.21	16.93	17.58	18.01	18.65	20.11
	6H	13.14	13.74	14.23	14.81	16.29	17.20	17.80	18.29	18.87	20.35
	8H	13.14	13.71	14.23	14.80	16.27	17.27	17.83	18.36	18.93	20.40
	12H	13.11	13.64	14.20	14.73	16.22	17.30	17.84	18.40	18.92	20.42
4H	2H	13.38	14.03	14.47	15.10	16.56	15.57	16.21	16.65	17.28	18.75
	3H	14.40	14.94	15.49	16.04	17.51	17.05	17.59	18.15	18.69	20.17
	4H	14.67	15.17	15.77	16.26	17.75	17.57	18.07	18.67	19.15	20.65
	6H	14.79	15.22	15.90	16.33	17.82	17.92	18.35	19.03	19.46	20.95
	8H	14.80	15.19	15.90	16.30	17.80	18.02	18.42	19.13	19.52	21.03
	12H	14.76	15.12	15.88	16.23	17.74	18.07	18.43	19.19	19.54	21.06
8H	4H	15.11	15.51	16.22	16.61	18.12	17.69	18.08	18.79	19.19	20.69
	6H	15.37	15.70	16.50	16.84	18.35	18.11	18.44	19.24	19.58	21.09
	8H	15.41	15.70	16.55	16.83	18.35	18.26	18.54	19.39	19.67	21.19
	12H	15.39	15.64	16.53	16.77	18.33	18.35	18.60	19.48	19.72	21.28
12H	4H	15.11	15.47	16.24	16.59	18.10	17.65	18.01	18.77	19.12	20.63
	6H	15.43	15.72	16.56	16.84	18.37	18.11	18.40	19.24	19.52	21.05
	8H	15.49	15.74	16.63	16.87	18.43	18.26	18.51	19.40	19.64	21.20