

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: P936122

Luminaire Tested: SQ4-FA-150U-125D-927-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936122
REPORT IS A COMBINATION OF REPORTS P933782 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-927-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

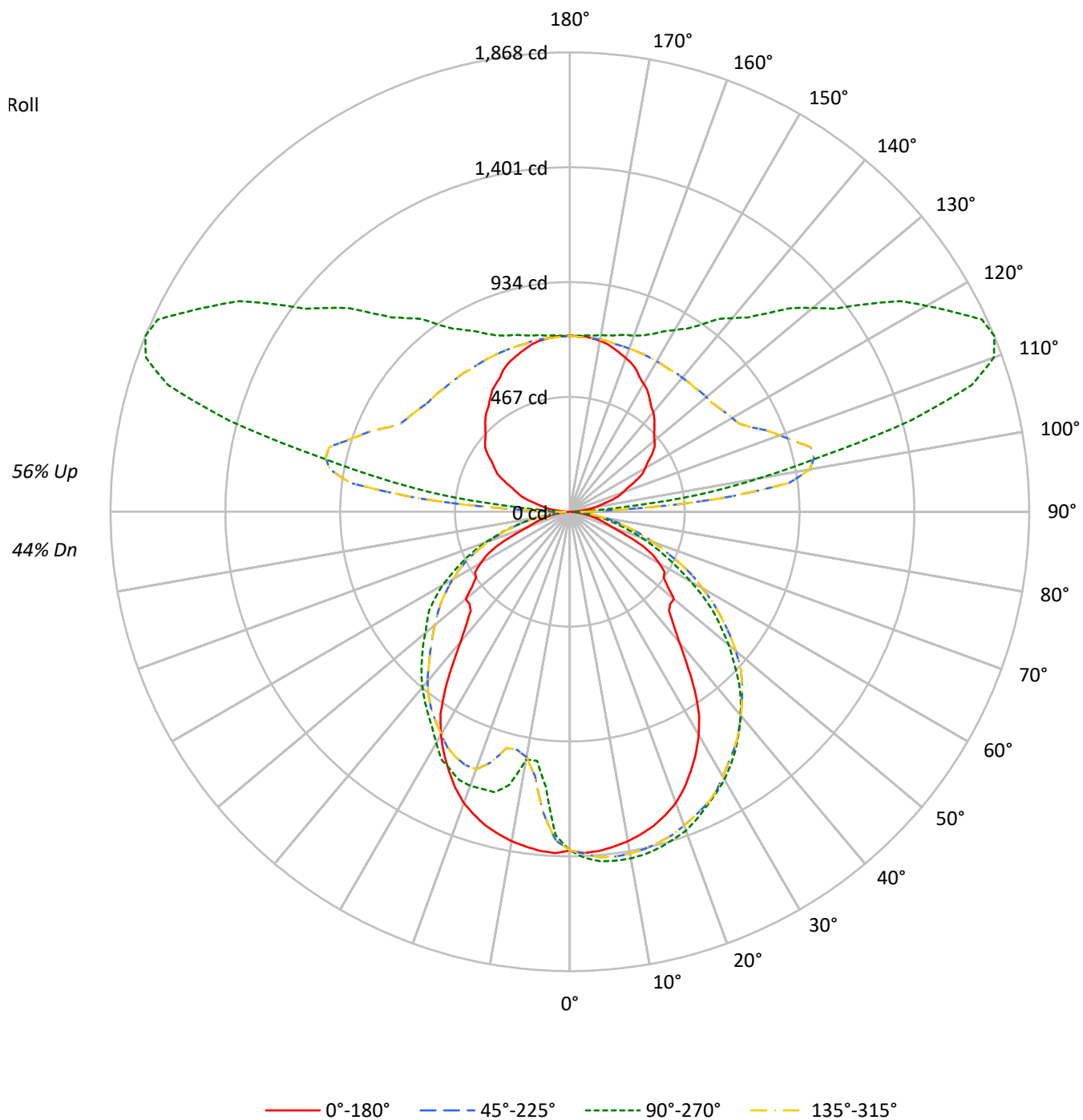
Lumens per Lamp: N/A
Luminaire Lumens: 8212.8 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 83.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12781	12781	12781	12781
5°	12862	12902	12862	10145
10°	12762	12709	12762	9086
15°	12609	12434	12609	10382
20°	12331	12108	12331	10404
25°	11776	11631	11776	10183
30°	11066	11237	11066	9700
35°	9850	10737	9850	9168
40°	8193	10148	8193	8765
45°	7307	9460	7307	8303
50°	7745	8639	7745	7839
55°	7266	7755	7266	7572
60°	7464	6587	7464	6934
65°	6735	5445	6735	6087
70°	4631	4340	4631	5100
75°	4017	3208	4017	3841
80°	3173	2121	3173	2309
85°	1731	1123	1731	954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 11221 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	1.5
10°-20°	353.0	4.3
20°-30°	545.7	6.6
30°-40°	651.4	7.9
40°-50°	655.3	8.0
50°-60°	570.2	6.9
60°-70°	404.2	4.9
70°-80°	213.9	2.6
80°-90°	56.0	0.7
90°-100°	348.8	4.2
100°-110°	917.1	11.2
110°-120°	950.9	11.6
120°-130°	762.7	9.3
130°-140°	598.5	7.3
140°-150°	459.3	5.6
150°-160°	330.8	4.0
160°-170°	202.4	2.5
170°-180°	68.4	0.8
0°-30°	1023.0	12.5
0°-40°	1674.5	20.4
0°-60°	2899.9	35.3
0°-90°	3574.0	43.5
90°-120°	2216.7	27.0
90°-150°	4037.3	49.2
90°-180°	4639.0	56.5
0°-180°	8212.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1377	1377	1377	1377	1377	
5°	1384	1427	1384	1122	1384	131
15°	1321	1414	1321	1181	1321	372
25°	1164	1319	1164	1154	1164	534
35°	885	1177	885	1005	885	547
45°	571	970	571	851	571	457
55°	465	715	465	698	465	427
65°	323	431	323	482	323	309
75°	122	205	122	245	122	129
85°	21	52	21	44	21	28
90°	5	18	5	18	5	5
95°	46	211	46	211	46	51
105°	165	1436	165	1436	165	175
115°	293	1849	293	1849	293	290
125°	408	1472	408	1472	408	362
135°	486	1142	486	1142	486	376
145°	564	927	564	927	564	354
155°	638	798	638	798	638	293
165°	688	743	688	743	688	194
175°	716	720	716	720	716	68
180°	716	716	716	716	716	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1389.1	1389.1	1396.9	1399.6	1399.6	1395.6	1391.7	1395.6	1407.3	1411.3	1409.9
5°	1383.8	1394.3	1408.6	1411.3	1413.9	1412.6	1409.9	1412.6	1425.6	1428.2	1429.5
7.5°	1373.4	1393.0	1411.3	1415.2	1419.0	1415.2	1413.9	1416.5	1429.5	1432.1	1432.1
10°	1360.4	1387.8	1408.6	1411.3	1415.2	1411.3	1411.3	1416.5	1429.5	1432.1	1433.4
12.5°	1342.2	1380.0	1399.6	1402.1	1407.3	1406.0	1404.7	1409.9	1423.0	1425.6	1425.6
15°	1321.3	1365.7	1383.8	1386.5	1395.6	1393.0	1393.0	1398.2	1412.6	1416.5	1415.2
17.5°	1292.7	1347.4	1368.2	1372.1	1378.7	1377.4	1378.7	1383.8	1396.9	1399.6	1400.8
20°	1260.1	1322.6	1347.4	1351.3	1357.8	1357.8	1357.8	1364.4	1377.4	1382.6	1382.6
22.5°	1215.8	1296.6	1322.6	1325.2	1333.0	1333.0	1335.6	1344.8	1356.5	1357.8	1357.8
25°	1163.6	1267.9	1290.1	1297.9	1305.7	1309.6	1313.5	1318.7	1322.6	1321.3	1322.6
27.5°	1109.0	1231.4	1260.1	1265.3	1275.7	1279.7	1284.8	1286.1	1287.4	1291.4	1288.7
30°	1047.7	1180.6	1223.6	1228.8	1245.8	1248.3	1243.2	1245.8	1252.3	1254.9	1257.5
32.5°	978.6	1105.0	1185.8	1197.5	1213.2	1205.4	1204.0	1208.0	1218.4	1218.4	1221.0
35°	884.8	1046.4	1150.6	1161.1	1172.8	1163.6	1168.9	1170.2	1176.7	1180.6	1179.3
37.5°	781.9	995.5	1114.1	1122.0	1131.1	1119.3	1127.2	1131.1	1136.3	1133.7	1133.7
40°	690.6	916.1	1071.1	1076.4	1084.2	1075.1	1082.9	1085.5	1088.1	1085.5	1084.2
42.5°	622.9	828.8	1025.6	1032.0	1026.8	1033.3	1036.0	1041.2	1037.3	1032.0	1032.0
45°	570.7	805.3	976.0	983.8	976.0	986.4	990.4	990.4	978.6	976.0	974.7
47.5°	553.8	758.4	926.5	926.5	922.6	935.6	942.1	933.0	921.3	917.4	917.4
50°	552.5	706.2	858.7	853.5	871.8	887.4	880.9	871.8	862.6	848.3	848.3
52.5°	501.7	642.4	771.5	790.9	819.7	828.8	818.4	809.2	793.6	787.1	781.9
55°	465.2	576.0	691.9	731.0	761.0	772.7	753.2	744.1	720.6	716.7	714.1
57.5°	457.4	479.6	619.0	668.5	704.9	703.7	691.9	675.0	655.4	651.6	650.3
60°	419.6	346.7	540.8	599.4	637.2	633.3	622.9	607.2	589.0	586.4	583.8
62.5°	380.5	251.5	452.1	518.6	572.0	570.7	561.6	538.2	525.1	518.6	513.4
65°	323.2	211.1	321.9	431.4	508.2	510.8	491.3	474.3	460.0	452.1	450.8
67.5°	246.2	172.0	217.6	359.7	447.0	444.4	419.6	411.8	393.5	389.6	381.8
70°	182.4	114.7	151.2	291.9	387.0	380.5	361.0	351.8	334.9	325.8	320.6
72.5°	151.2	92.6	110.7	226.8	325.8	317.9	301.0	290.6	276.3	268.4	263.2
75°	122.5	97.7	84.7	168.1	264.5	259.3	243.7	233.2	221.5	211.1	212.4
77.5°	89.9	91.2	67.8	123.8	209.8	202.0	192.9	179.8	174.6	164.2	164.2
80°	67.8	71.7	50.8	84.7	151.2	151.2	143.4	134.2	125.1	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°	20.9	26.0	23.5	32.6	56.1	58.7	58.7	56.1	54.7	52.1	53.4
87.5°	6.5	11.7	14.3	18.2	28.6	30.0	31.3	31.3	31.3	32.6	32.6
90°	4.8	8.6	12.5	13.5	21.2	31.4	36.5	32.4	24.3	18.2	18.2
92.5°	19.2	51.8	84.5	92.7	130.3	180.4	205.5	180.1	129.4	91.2	87.6
95°	46.1	105.9	165.6	180.6	320.6	507.4	600.8	536.2	406.8	309.8	298.8
97.5°	79.7	132.4	185.2	198.4	431.9	743.4	899.1	858.2	776.4	715.1	694.2
100°	105.6	153.5	201.3	213.2	472.4	818.0	990.8	993.8	999.8	1004.2	979.3
102.5°	127.7	172.4	217.0	228.2	491.0	841.5	1016.7	1068.8	1172.9	1251.1	1229.8
105°	165.2	203.0	240.8	250.2	504.7	844.1	1013.8	1130.5	1364.1	1539.2	1527.8
107.5°	203.7	238.9	274.1	282.9	507.4	806.6	956.2	1119.0	1444.8	1689.1	1691.8
110°	229.5	261.3	293.2	301.1	503.5	773.2	908.1	1090.2	1454.4	1727.5	1739.4

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	255.0	285.4	315.7	323.2	503.7	744.2	864.5	1050.8	1423.5	1703.0	1721.3
115°	293.4	321.4	349.3	356.4	508.3	710.9	812.1	991.6	1350.7	1619.9	1645.4
117.5°	331.4	356.8	382.2	388.5	517.7	690.0	776.1	938.1	1262.1	1505.1	1533.4
120°	353.4	377.4	401.2	407.3	525.4	682.9	761.7	909.7	1205.7	1427.8	1455.2
122.5°	375.1	399.2	423.3	429.4	536.5	679.3	750.7	884.0	1150.5	1350.5	1377.5
125°	408.3	430.2	452.2	457.7	551.3	676.2	738.7	851.9	1078.3	1248.2	1273.1
127.5°	435.1	457.3	479.5	485.0	566.2	674.4	728.6	825.8	1020.2	1166.1	1187.1
130°	449.5	473.4	497.3	503.3	577.1	675.5	724.7	811.3	984.4	1114.2	1133.6
132.5°	464.4	488.3	512.2	518.2	585.9	676.2	721.3	798.8	953.8	1070.0	1087.4
135°	486.5	508.3	530.0	535.5	595.5	675.5	715.6	780.5	910.2	1007.5	1022.6
137.5°	509.0	530.6	552.2	557.6	609.9	679.8	714.6	769.5	879.2	961.5	973.7
140°	527.8	547.7	567.6	572.5	618.8	680.4	711.2	758.6	853.4	924.5	935.9
142.5°	542.2	560.6	578.9	583.5	626.1	682.8	711.2	752.9	836.1	898.6	908.4
145°	564.3	580.3	596.3	600.3	635.7	682.9	706.5	740.5	808.6	859.6	867.1
147.5°	586.4	602.0	617.5	621.5	649.8	687.6	706.5	733.3	786.8	827.0	833.1
150°	600.8	614.9	628.9	632.5	657.1	690.0	706.5	729.1	774.3	808.3	813.3
152.5°	615.7	626.4	637.0	639.7	662.0	691.6	706.5	725.8	764.5	793.4	797.2
155°	637.8	645.7	653.6	655.6	672.5	695.2	706.5	721.9	752.6	775.6	778.2
157.5°	654.1	661.8	669.4	671.4	683.1	698.7	706.5	718.4	742.3	760.2	762.0
160°	665.1	671.1	677.1	678.6	687.9	700.3	706.5	716.7	737.2	752.5	753.5
162.5°	676.2	680.7	685.1	686.3	693.0	702.0	706.5	715.1	732.4	745.4	746.3
165°	688.2	692.2	696.3	697.3	700.4	704.5	706.5	712.6	725.0	734.3	735.3
167.5°	699.2	701.2	703.1	703.5	706.1	709.6	711.2	715.3	723.4	729.5	730.0
170°	706.5	708.4	710.3	710.8	710.9	711.2	711.2	715.3	723.4	729.5	729.5
172.5°	710.3	710.7	711.2	711.2	711.2	711.2	711.2	714.5	720.9	725.6	725.3
175°	715.6	715.6	715.6	715.6	714.1	712.2	711.2	713.3	717.3	720.4	720.4
177.5°	715.6	715.6	715.6	715.6	714.5	713.0	712.2	713.9	717.0	719.4	718.9
180°	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1412.6	1408.6	1412.6	1409.9	1411.3	1407.3	1395.6	1391.7	1395.6	1399.6	1399.6
5°	1429.5	1426.9	1429.5	1429.5	1428.2	1425.6	1412.6	1409.9	1412.6	1413.9	1411.3
7.5°	1434.7	1430.8	1434.7	1432.1	1432.1	1429.5	1416.5	1413.9	1415.2	1419.0	1415.2
10°	1434.7	1430.8	1434.7	1433.4	1432.1	1429.5	1416.5	1411.3	1411.3	1415.2	1411.3
12.5°	1428.2	1425.6	1428.2	1425.6	1425.6	1423.0	1409.9	1404.7	1406.0	1407.3	1402.1
15°	1417.7	1413.9	1417.7	1415.2	1416.5	1412.6	1398.2	1393.0	1393.0	1395.6	1386.5
17.5°	1402.1	1396.9	1402.1	1400.8	1399.6	1396.9	1383.8	1378.7	1377.4	1378.7	1372.1
20°	1383.8	1380.0	1383.8	1382.6	1382.6	1377.4	1364.4	1357.8	1357.8	1357.8	1351.3
22.5°	1355.2	1351.3	1355.2	1357.8	1357.8	1356.5	1344.8	1335.6	1333.0	1333.0	1325.2
25°	1322.6	1318.7	1322.6	1322.6	1321.3	1322.6	1318.7	1313.5	1309.6	1305.7	1297.9
27.5°	1291.4	1288.7	1291.4	1288.7	1291.4	1287.4	1286.1	1284.8	1279.7	1275.7	1265.3
30°	1260.1	1257.5	1260.1	1257.5	1254.9	1252.3	1245.8	1243.2	1248.3	1245.8	1228.8
32.5°	1221.0	1218.4	1221.0	1221.0	1218.4	1218.4	1208.0	1204.0	1205.4	1213.2	1197.5
35°	1180.6	1176.7	1180.6	1179.3	1180.6	1176.7	1170.2	1168.9	1163.6	1172.8	1161.1
37.5°	1133.7	1129.7	1133.7	1133.7	1133.7	1136.3	1131.1	1127.2	1119.3	1131.1	1122.0
40°	1085.5	1080.2	1085.5	1084.2	1085.5	1088.1	1085.5	1082.9	1075.1	1084.2	1076.4
42.5°	1030.7	1029.4	1030.7	1032.0	1032.0	1037.3	1041.2	1036.0	1033.3	1026.8	1032.0
45°	972.1	969.5	972.1	974.7	976.0	978.6	990.4	990.4	986.4	976.0	983.8
47.5°	909.5	903.1	909.5	917.4	917.4	921.3	933.0	942.1	935.6	922.6	926.5
50°	843.1	844.4	843.1	848.3	848.3	862.6	871.8	880.9	887.4	871.8	853.5
52.5°	777.9	776.6	777.9	781.9	787.1	793.6	809.2	818.4	828.8	819.7	790.9
55°	712.8	715.4	712.8	714.1	716.7	720.6	744.1	753.2	772.7	761.0	731.0
57.5°	647.6	643.7	647.6	650.3	651.6	655.4	675.0	691.9	703.7	704.9	668.5
60°	572.0	566.9	572.0	583.8	586.4	589.0	607.2	622.9	633.3	637.2	599.4
62.5°	505.6	496.5	505.6	513.4	518.6	525.1	538.2	561.6	570.7	572.0	518.6
65°	435.2	431.4	435.2	450.8	452.1	460.0	474.3	491.3	510.8	508.2	431.4
67.5°	371.4	371.4	371.4	381.8	389.6	393.5	411.8	419.6	444.4	447.0	359.7
70°	312.8	311.5	312.8	320.6	325.8	334.9	351.8	361.0	380.5	387.0	291.9
72.5°	256.7	255.4	256.7	263.2	268.4	276.3	290.6	301.0	317.9	325.8	226.8
75°	207.2	204.6	207.2	212.4	211.1	221.5	233.2	243.7	259.3	264.5	168.1
77.5°	159.0	159.0	159.0	164.2	164.2	174.6	179.8	192.9	202.0	209.8	123.8
80°	118.6	117.3	118.6	119.9	119.9	125.1	134.2	143.4	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	56.1	58.7	58.7	56.1	32.6
87.5°	33.9	32.6	33.9	32.6	32.6	31.3	31.3	31.3	30.0	28.6	18.2
90°	18.2	18.2	18.2	18.2	18.2	24.3	32.4	36.5	31.4	21.2	13.5
92.5°	73.1	58.6	73.1	87.6	91.2	129.4	180.1	205.5	180.4	130.3	92.7
95°	254.8	210.8	254.8	298.8	309.8	406.8	536.2	600.8	507.4	320.6	180.6
97.5°	610.5	526.8	610.5	694.2	715.1	776.4	858.2	899.1	743.4	431.9	198.4
100°	879.6	779.9	879.6	979.3	1004.2	999.8	993.8	990.8	818.0	472.4	213.2
102.5°	1144.4	1059.0	1144.4	1229.8	1251.1	1172.9	1068.8	1016.7	841.5	491.0	228.2
105°	1481.9	1436.0	1481.9	1527.8	1539.2	1364.1	1130.5	1013.8	844.1	504.7	250.2
107.5°	1702.9	1714.0	1702.9	1691.8	1689.1	1444.8	1119.0	956.2	806.6	507.4	282.9
110°	1787.2	1835.1	1787.2	1739.4	1727.5	1454.4	1090.2	908.1	773.2	503.5	301.1

TEST NUMBER: P936122

CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1794.8	1868.2	1794.8	1721.3	1703.0	1423.5	1050.8	864.5	744.2	503.7	323.2
115°	1747.2	1849.0	1747.2	1645.4	1619.9	1350.7	991.6	812.1	710.9	508.3	356.4
117.5°	1646.3	1759.1	1646.3	1533.4	1505.1	1262.1	938.1	776.1	690.0	517.7	388.5
120°	1564.9	1674.7	1564.9	1455.2	1427.8	1205.7	909.7	761.7	682.9	525.4	407.3
122.5°	1485.8	1594.0	1485.8	1377.5	1350.5	1150.5	884.0	750.7	679.3	536.5	429.4
125°	1372.8	1472.5	1372.8	1273.1	1248.2	1078.3	851.9	738.7	676.2	551.3	457.7
127.5°	1271.2	1355.3	1271.2	1187.1	1166.1	1020.2	825.8	728.6	674.4	566.2	485.0
130°	1211.3	1289.0	1211.3	1133.6	1114.2	984.4	811.3	724.7	675.5	577.1	503.3
132.5°	1156.9	1226.5	1156.9	1087.4	1070.0	953.8	798.8	721.3	676.2	585.9	518.2
135°	1082.5	1142.5	1082.5	1022.6	1007.5	910.2	780.5	715.6	675.5	595.5	535.5
137.5°	1022.9	1071.9	1022.9	973.7	961.5	879.2	769.5	714.6	679.8	609.9	557.6
140°	981.8	1027.7	981.8	935.9	924.5	853.4	758.6	711.2	680.4	618.8	572.5
142.5°	947.9	987.4	947.9	908.4	898.6	836.1	752.9	711.2	682.8	626.1	583.5
145°	897.0	926.9	897.0	867.1	859.6	808.6	740.5	706.5	682.9	635.7	600.3
147.5°	857.9	882.7	857.9	833.1	827.0	786.8	733.3	706.5	687.6	649.8	621.5
150°	833.4	853.4	833.4	813.3	808.3	774.3	729.1	706.5	690.0	657.1	632.5
152.5°	812.4	827.4	812.4	797.2	793.4	764.5	725.8	706.5	691.6	662.0	639.7
155°	788.2	798.2	788.2	778.2	775.6	752.6	721.9	706.5	695.2	672.5	655.6
157.5°	769.0	776.1	769.0	762.0	760.2	742.3	718.4	706.5	698.7	683.1	671.4
160°	757.6	761.7	757.6	753.5	752.5	737.2	716.7	706.5	700.3	687.9	678.6
162.5°	750.1	754.0	750.1	746.3	745.4	732.4	715.1	706.5	702.0	693.0	686.3
165°	739.4	743.4	739.4	735.3	734.3	725.0	712.6	706.5	704.5	700.4	697.3
167.5°	731.7	733.3	731.7	730.0	729.5	723.4	715.3	711.2	709.6	706.1	703.5
170°	729.5	729.5	729.5	729.5	729.5	723.4	715.3	711.2	711.2	710.9	710.8
172.5°	723.8	722.3	723.8	725.3	725.6	720.9	714.5	711.2	711.2	711.2	711.2
175°	720.4	720.4	720.4	720.4	720.4	717.3	713.3	711.2	712.2	714.1	715.6
177.5°	717.3	715.6	717.3	718.9	719.4	717.0	713.9	712.2	713.0	714.5	715.6
180°	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6

TEST NUMBER: P936122

CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1396.9	1389.1	1389.1	1376.1	1370.8	1366.9	1360.4	1340.9	1335.6	1330.5	1338.3
5°	1408.6	1394.3	1383.8	1360.4	1340.9	1333.0	1308.3	1261.4	1230.2	1206.7	1193.7
7.5°	1411.3	1393.0	1373.4	1337.0	1290.1	1269.2	1193.7	1107.6	1084.2	1063.3	1050.3
10°	1408.6	1387.8	1360.4	1305.7	1195.0	1158.5	1082.9	1026.8	1012.5	1008.6	1012.5
12.5°	1399.6	1380.0	1342.2	1250.9	1095.9	1071.1	1026.8	994.2	991.7	998.2	1033.3
15°	1383.8	1365.7	1321.3	1178.0	1041.2	1022.9	991.7	979.9	994.2	1039.9	1145.5
17.5°	1368.2	1347.4	1292.7	1106.3	999.5	986.4	964.3	987.8	1068.5	1129.7	1164.9
20°	1347.4	1322.6	1260.1	1054.2	969.5	957.8	947.3	1052.9	1114.1	1136.3	1155.8
22.5°	1322.6	1296.6	1215.8	1017.7	938.2	929.1	935.6	1089.4	1114.1	1129.7	1146.7
25°	1290.1	1267.9	1163.6	989.1	913.5	903.1	927.8	1085.5	1099.8	1103.7	1137.6
27.5°	1260.1	1231.4	1109.0	963.0	883.5	879.6	934.3	1068.5	1078.9	1082.9	1119.3
30°	1223.6	1180.6	1047.7	935.6	852.2	850.9	935.6	1047.7	1045.0	1055.5	1092.0
32.5°	1185.8	1105.0	978.6	901.7	822.3	821.0	926.5	1016.4	1013.8	1028.1	1055.5
35°	1150.6	1046.4	884.8	862.6	784.5	785.8	904.4	979.9	981.2	994.2	1011.2
37.5°	1114.1	995.5	781.9	819.7	748.0	748.0	874.3	946.0	943.4	947.3	970.8
40°	1071.1	916.1	690.6	763.6	714.1	710.2	837.9	909.5	900.4	899.1	931.7
42.5°	1025.6	828.8	622.9	689.3	675.0	669.8	793.6	865.2	848.3	852.2	893.9
45°	976.0	805.3	570.7	582.5	634.6	630.7	745.4	814.4	802.7	813.1	856.2
47.5°	926.5	758.4	553.8	483.5	591.6	590.3	691.9	764.9	758.4	768.8	814.4
50°	858.7	706.2	552.5	414.4	543.4	548.6	628.1	716.7	716.7	725.8	774.0
52.5°	771.5	642.4	501.7	375.3	487.3	503.0	572.0	675.0	677.6	686.8	729.7
55°	691.9	576.0	465.2	345.3	420.9	454.8	517.4	632.0	637.2	646.3	685.5
57.5°	619.0	479.6	457.4	310.2	359.7	392.2	469.1	590.3	592.9	600.8	638.5
60°	540.8	346.7	419.6	272.3	306.2	330.9	424.8	540.8	549.9	555.1	587.7
62.5°	452.1	251.5	380.5	246.2	280.1	285.4	388.3	493.9	505.6	509.5	529.1
65°	321.9	211.1	323.2	224.1	252.8	254.1	349.2	445.7	456.1	462.6	476.9
67.5°	217.6	172.0	246.2	203.3	231.9	233.2	311.5	389.6	403.9	409.2	418.3
70°	151.2	114.7	182.4	181.1	208.5	211.1	271.0	338.8	351.8	355.7	361.0
72.5°	110.7	92.6	151.2	162.9	183.7	186.3	229.3	281.4	294.5	298.4	301.0
75°	84.7	97.7	122.5	142.1	156.4	157.7	187.6	229.3	238.5	241.1	242.4
77.5°	67.8	91.2	89.9	114.7	127.7	125.1	147.2	177.3	185.0	185.0	185.0
80°	50.8	71.7	67.8	82.1	93.8	91.2	105.6	126.4	129.0	131.6	130.3
82.5°	37.8	45.6	45.6	52.1	62.5	59.9	70.4	82.1	82.1	82.1	84.7
85°	23.5	26.0	20.9	27.3	35.2	33.9	39.1	44.3	45.6	45.6	43.0
87.5°	14.3	11.7	6.5	10.4	15.6	15.6	18.2	19.6	18.2	18.2	18.2
90°	12.5	8.6	4.8	8.6	12.5	13.5	21.2	31.4	36.5	32.4	24.3
92.5°	84.5	51.8	19.2	51.8	84.5	92.7	130.3	180.4	205.5	180.1	129.4
95°	165.6	105.9	46.1	105.9	165.6	180.6	320.6	507.4	600.8	536.2	406.8
97.5°	185.2	132.4	79.7	132.4	185.2	198.4	431.9	743.4	899.1	858.2	776.4
100°	201.3	153.5	105.6	153.5	201.3	213.2	472.4	818.0	990.8	993.8	999.8
102.5°	217.0	172.4	127.7	172.4	217.0	228.2	491.0	841.5	1016.7	1068.8	1172.9
105°	240.8	203.0	165.2	203.0	240.8	250.2	504.7	844.1	1013.8	1130.5	1364.1
107.5°	274.1	238.9	203.7	238.9	274.1	282.9	507.4	806.6	956.2	1119.0	1444.8
110°	293.2	261.3	229.5	261.3	293.2	301.1	503.5	773.2	908.1	1090.2	1454.4

TEST NUMBER: P936122

CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	315.7	285.4	255.0	285.4	315.7	323.2	503.7	744.2	864.5	1050.8	1423.5
115°	349.3	321.4	293.4	321.4	349.3	356.4	508.3	710.9	812.1	991.6	1350.7
117.5°	382.2	356.8	331.4	356.8	382.2	388.5	517.7	690.0	776.1	938.1	1262.1
120°	401.2	377.4	353.4	377.4	401.2	407.3	525.4	682.9	761.7	909.7	1205.7
122.5°	423.3	399.2	375.1	399.2	423.3	429.4	536.5	679.3	750.7	884.0	1150.5
125°	452.2	430.2	408.3	430.2	452.2	457.7	551.3	676.2	738.7	851.9	1078.3
127.5°	479.5	457.3	435.1	457.3	479.5	485.0	566.2	674.4	728.6	825.8	1020.2
130°	497.3	473.4	449.5	473.4	497.3	503.3	577.1	675.5	724.7	811.3	984.4
132.5°	512.2	488.3	464.4	488.3	512.2	518.2	585.9	676.2	721.3	798.8	953.8
135°	530.0	508.3	486.5	508.3	530.0	535.5	595.5	675.5	715.6	780.5	910.2
137.5°	552.2	530.6	509.0	530.6	552.2	557.6	609.9	679.8	714.6	769.5	879.2
140°	567.6	547.7	527.8	547.7	567.6	572.5	618.8	680.4	711.2	758.6	853.4
142.5°	578.9	560.6	542.2	560.6	578.9	583.5	626.1	682.8	711.2	752.9	836.1
145°	596.3	580.3	564.3	580.3	596.3	600.3	635.7	682.9	706.5	740.5	808.6
147.5°	617.5	602.0	586.4	602.0	617.5	621.5	649.8	687.6	706.5	733.3	786.8
150°	628.9	614.9	600.8	614.9	628.9	632.5	657.1	690.0	706.5	729.1	774.3
152.5°	637.0	626.4	615.7	626.4	637.0	639.7	662.0	691.6	706.5	725.8	764.5
155°	653.6	645.7	637.8	645.7	653.6	655.6	672.5	695.2	706.5	721.9	752.6
157.5°	669.4	661.8	654.1	661.8	669.4	671.4	683.1	698.7	706.5	718.4	742.3
160°	677.1	671.1	665.1	671.1	677.1	678.6	687.9	700.3	706.5	716.7	737.2
162.5°	685.1	680.7	676.2	680.7	685.1	686.3	693.0	702.0	706.5	715.1	732.4
165°	696.3	692.2	688.2	692.2	696.3	697.3	700.4	704.5	706.5	712.6	725.0
167.5°	703.1	701.2	699.2	701.2	703.1	703.5	706.1	709.6	711.2	715.3	723.4
170°	710.3	708.4	706.5	708.4	710.3	710.8	710.9	711.2	711.2	715.3	723.4
172.5°	711.2	710.7	710.3	710.7	711.2	711.2	711.2	711.2	711.2	714.5	720.9
175°	715.6	715.6	715.6	715.6	715.6	715.6	714.1	712.2	711.2	713.3	717.3
177.5°	715.6	715.6	715.6	715.6	715.6	715.6	714.5	713.0	712.2	713.9	717.0
180°	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6

TEST NUMBER: P936122

CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1329.2	1325.2	1330.5	1316.1	1330.5	1325.2	1329.2	1338.3	1330.5	1335.6	1340.9
5°	1166.2	1159.8	1138.9	1122.0	1138.9	1159.8	1166.2	1193.7	1206.7	1230.2	1261.4
7.5°	1042.5	1037.3	1032.0	1021.6	1032.0	1037.3	1042.5	1050.3	1063.3	1084.2	1107.6
10°	1015.1	1016.4	1024.3	1022.9	1024.3	1016.4	1015.1	1012.5	1008.6	1012.5	1026.8
12.5°	1085.5	1097.2	1140.2	1137.6	1140.2	1097.2	1085.5	1033.3	998.2	991.7	994.2
15°	1166.2	1170.2	1179.3	1180.6	1179.3	1170.2	1166.2	1145.5	1039.9	994.2	979.9
17.5°	1174.1	1175.4	1181.9	1181.9	1181.9	1175.4	1174.1	1164.9	1129.7	1068.5	987.8
20°	1167.6	1170.2	1183.2	1185.8	1183.2	1170.2	1167.6	1155.8	1136.3	1114.1	1052.9
22.5°	1164.9	1170.2	1180.6	1179.3	1180.6	1170.2	1164.9	1146.7	1129.7	1114.1	1089.4
25°	1151.9	1151.9	1153.2	1154.5	1153.2	1151.9	1151.9	1137.6	1103.7	1099.8	1085.5
27.5°	1124.6	1127.2	1135.0	1133.7	1135.0	1127.2	1124.6	1119.3	1082.9	1078.9	1068.5
30°	1099.8	1097.2	1090.7	1085.5	1090.7	1097.2	1099.8	1092.0	1055.5	1045.0	1047.7
32.5°	1058.1	1051.6	1045.0	1041.2	1045.0	1051.6	1058.1	1055.5	1028.1	1013.8	1016.4
35°	1008.6	1009.9	1008.6	1004.7	1008.6	1009.9	1008.6	1011.2	994.2	981.2	979.9
37.5°	973.4	976.0	974.7	969.5	974.7	976.0	973.4	970.8	947.3	943.4	946.0
40°	936.9	938.2	936.9	933.0	936.9	938.2	936.9	931.7	899.1	900.4	909.5
42.5°	901.7	900.4	896.5	893.9	896.5	900.4	901.7	893.9	852.2	848.3	865.2
45°	861.3	862.6	854.9	850.9	854.9	862.6	861.3	856.2	813.1	802.7	814.4
47.5°	821.0	821.0	814.4	810.5	814.4	821.0	821.0	814.4	768.8	758.4	764.9
50°	777.9	776.6	767.5	766.2	767.5	776.6	777.9	774.0	725.8	716.7	716.7
52.5°	728.4	728.4	729.7	732.3	729.7	728.4	728.4	729.7	686.8	677.6	675.0
55°	685.5	686.8	695.8	698.5	695.8	686.8	685.5	685.5	646.3	637.2	632.0
57.5°	641.1	641.1	647.6	647.6	647.6	641.1	641.1	638.5	600.8	592.9	590.3
60°	590.3	592.9	598.1	596.8	598.1	592.9	590.3	587.7	555.1	549.9	540.8
62.5°	536.8	539.5	540.8	538.2	540.8	539.5	536.8	529.1	509.5	505.6	493.9
65°	480.9	483.5	484.7	482.2	484.7	483.5	480.9	476.9	462.6	456.1	445.7
67.5°	423.5	422.2	420.9	426.1	420.9	422.2	423.5	418.3	409.2	403.9	389.6
70°	364.8	364.8	363.6	366.1	363.6	364.8	364.8	361.0	355.7	351.8	338.8
72.5°	302.3	301.0	306.2	302.3	306.2	301.0	302.3	301.0	298.4	294.5	281.4
75°	241.1	243.7	241.1	245.0	241.1	243.7	241.1	242.4	241.1	238.5	229.3
77.5°	183.7	186.3	183.7	183.7	183.7	186.3	183.7	185.0	185.0	185.0	177.3
80°	130.3	129.0	129.0	127.7	129.0	129.0	130.3	130.3	131.6	129.0	126.4
82.5°	83.4	82.1	82.1	84.7	82.1	82.1	83.4	84.7	82.1	82.1	82.1
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°	16.9	15.6	15.6	15.6	15.6	15.6	16.9	18.2	18.2	18.2	19.6
90°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	24.3	32.4	36.5	31.4
92.5°	91.2	87.6	73.1	58.6	73.1	87.6	91.2	129.4	180.1	205.5	180.4
95°	309.8	298.8	254.8	210.8	254.8	298.8	309.8	406.8	536.2	600.8	507.4
97.5°	715.1	694.2	610.5	526.8	610.5	694.2	715.1	776.4	858.2	899.1	743.4
100°	1004.2	979.3	879.6	779.9	879.6	979.3	1004.2	999.8	993.8	990.8	818.0
102.5°	1251.1	1229.8	1144.4	1059.0	1144.4	1229.8	1251.1	1172.9	1068.8	1016.7	841.5
105°	1539.2	1527.8	1481.9	1436.0	1481.9	1527.8	1539.2	1364.1	1130.5	1013.8	844.1
107.5°	1689.1	1691.8	1702.9	1714.0	1702.9	1691.8	1689.1	1444.8	1119.0	956.2	806.6
110°	1727.5	1739.4	1787.2	1835.1	1787.2	1739.4	1727.5	1454.4	1090.2	908.1	773.2

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1703.0	1721.3	1794.8	1868.2	1794.8	1721.3	1703.0	1423.5	1050.8	864.5	744.2
115°	1619.9	1645.4	1747.2	1849.0	1747.2	1645.4	1619.9	1350.7	991.6	812.1	710.9
117.5°	1505.1	1533.4	1646.3	1759.1	1646.3	1533.4	1505.1	1262.1	938.1	776.1	690.0
120°	1427.8	1455.2	1564.9	1674.7	1564.9	1455.2	1427.8	1205.7	909.7	761.7	682.9
122.5°	1350.5	1377.5	1485.8	1594.0	1485.8	1377.5	1350.5	1150.5	884.0	750.7	679.3
125°	1248.2	1273.1	1372.8	1472.5	1372.8	1273.1	1248.2	1078.3	851.9	738.7	676.2
127.5°	1166.1	1187.1	1271.2	1355.3	1271.2	1187.1	1166.1	1020.2	825.8	728.6	674.4
130°	1114.2	1133.6	1211.3	1289.0	1211.3	1133.6	1114.2	984.4	811.3	724.7	675.5
132.5°	1070.0	1087.4	1156.9	1226.5	1156.9	1087.4	1070.0	953.8	798.8	721.3	676.2
135°	1007.5	1022.6	1082.5	1142.5	1082.5	1022.6	1007.5	910.2	780.5	715.6	675.5
137.5°	961.5	973.7	1022.9	1071.9	1022.9	973.7	961.5	879.2	769.5	714.6	679.8
140°	924.5	935.9	981.8	1027.7	981.8	935.9	924.5	853.4	758.6	711.2	680.4
142.5°	898.6	908.4	947.9	987.4	947.9	908.4	898.6	836.1	752.9	711.2	682.8
145°	859.6	867.1	897.0	926.9	897.0	867.1	859.6	808.6	740.5	706.5	682.9
147.5°	827.0	833.1	857.9	882.7	857.9	833.1	827.0	786.8	733.3	706.5	687.6
150°	808.3	813.3	833.4	853.4	833.4	813.3	808.3	774.3	729.1	706.5	690.0
152.5°	793.4	797.2	812.4	827.4	812.4	797.2	793.4	764.5	725.8	706.5	691.6
155°	775.6	778.2	788.2	798.2	788.2	778.2	775.6	752.6	721.9	706.5	695.2
157.5°	760.2	762.0	769.0	776.1	769.0	762.0	760.2	742.3	718.4	706.5	698.7
160°	752.5	753.5	757.6	761.7	757.6	753.5	752.5	737.2	716.7	706.5	700.3
162.5°	745.4	746.3	750.1	754.0	750.1	746.3	745.4	732.4	715.1	706.5	702.0
165°	734.3	735.3	739.4	743.4	739.4	735.3	734.3	725.0	712.6	706.5	704.5
167.5°	729.5	730.0	731.7	733.3	731.7	730.0	729.5	723.4	715.3	711.2	709.6
170°	729.5	729.5	729.5	729.5	729.5	729.5	729.5	723.4	715.3	711.2	711.2
172.5°	725.6	725.3	723.8	722.3	723.8	725.3	725.6	720.9	714.5	711.2	711.2
175°	720.4	720.4	720.4	720.4	720.4	720.4	720.4	717.3	713.3	711.2	712.2
177.5°	719.4	718.9	717.3	715.6	717.3	718.9	719.4	717.0	713.9	712.2	713.0
180°	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1360.4	1366.9	1370.8	1376.1	1389.1
5°	1308.3	1333.0	1340.9	1360.4	1383.8
7.5°	1193.7	1269.2	1290.1	1337.0	1373.4
10°	1082.9	1158.5	1195.0	1305.7	1360.4
12.5°	1026.8	1071.1	1095.9	1250.9	1342.2
15°	991.7	1022.9	1041.2	1178.0	1321.3
17.5°	964.3	986.4	999.5	1106.3	1292.7
20°	947.3	957.8	969.5	1054.2	1260.1
22.5°	935.6	929.1	938.2	1017.7	1215.8
25°	927.8	903.1	913.5	989.1	1163.6
27.5°	934.3	879.6	883.5	963.0	1109.0
30°	935.6	850.9	852.2	935.6	1047.7
32.5°	926.5	821.0	822.3	901.7	978.6
35°	904.4	785.8	784.5	862.6	884.8
37.5°	874.3	748.0	748.0	819.7	781.9
40°	837.9	710.2	714.1	763.6	690.6
42.5°	793.6	669.8	675.0	689.3	622.9
45°	745.4	630.7	634.6	582.5	570.7
47.5°	691.9	590.3	591.6	483.5	553.8
50°	628.1	548.6	543.4	414.4	552.5
52.5°	572.0	503.0	487.3	375.3	501.7
55°	517.4	454.8	420.9	345.3	465.2
57.5°	469.1	392.2	359.7	310.2	457.4
60°	424.8	330.9	306.2	272.3	419.6
62.5°	388.3	285.4	280.1	246.2	380.5
65°	349.2	254.1	252.8	224.1	323.2
67.5°	311.5	233.2	231.9	203.3	246.2
70°	271.0	211.1	208.5	181.1	182.4
72.5°	229.3	186.3	183.7	162.9	151.2
75°	187.6	157.7	156.4	142.1	122.5
77.5°	147.2	125.1	127.7	114.7	89.9
80°	105.6	91.2	93.8	82.1	67.8
82.5°	70.4	59.9	62.5	52.1	45.6
85°	39.1	33.9	35.2	27.3	20.9
87.5°	18.2	15.6	15.6	10.4	6.5
90°	21.2	13.5	12.5	8.6	4.8
92.5°	130.3	92.7	84.5	51.8	19.2
95°	320.6	180.6	165.6	105.9	46.1
97.5°	431.9	198.4	185.2	132.4	79.7
100°	472.4	213.2	201.3	153.5	105.6
102.5°	491.0	228.2	217.0	172.4	127.7
105°	504.7	250.2	240.8	203.0	165.2
107.5°	507.4	282.9	274.1	238.9	203.7
110°	503.5	301.1	293.2	261.3	229.5



TEST NUMBER: P936122

CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	503.7	323.2	315.7	285.4	255.0
115°	508.3	356.4	349.3	321.4	293.4
117.5°	517.7	388.5	382.2	356.8	331.4
120°	525.4	407.3	401.2	377.4	353.4
122.5°	536.5	429.4	423.3	399.2	375.1
125°	551.3	457.7	452.2	430.2	408.3
127.5°	566.2	485.0	479.5	457.3	435.1
130°	577.1	503.3	497.3	473.4	449.5
132.5°	585.9	518.2	512.2	488.3	464.4
135°	595.5	535.5	530.0	508.3	486.5
137.5°	609.9	557.6	552.2	530.6	509.0
140°	618.8	572.5	567.6	547.7	527.8
142.5°	626.1	583.5	578.9	560.6	542.2
145°	635.7	600.3	596.3	580.3	564.3
147.5°	649.8	621.5	617.5	602.0	586.4
150°	657.1	632.5	628.9	614.9	600.8
152.5°	662.0	639.7	637.0	626.4	615.7
155°	672.5	655.6	653.6	645.7	637.8
157.5°	683.1	671.4	669.4	661.8	654.1
160°	687.9	678.6	677.1	671.1	665.1
162.5°	693.0	686.3	685.1	680.7	676.2
165°	700.4	697.3	696.3	692.2	688.2
167.5°	706.1	703.5	703.1	701.2	699.2
170°	710.9	710.8	710.3	708.4	706.5
172.5°	711.2	711.2	711.2	710.7	710.3
175°	714.1	715.6	715.6	715.6	715.6
177.5°	714.5	715.6	715.6	715.6	715.6
180°	715.6	715.6	715.6	715.6	715.6

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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	13.02	13.82	14.03	14.84	16.20	15.81	16.62	16.82	17.64	19.00
	3H	13.49	14.21	14.51	15.24	16.62	17.14	17.87	18.17	18.90	20.28
	4H	13.68	14.36	14.71	15.39	16.78	17.58	18.26	18.61	19.30	20.68
	6H	13.79	14.42	14.84	15.46	16.86	17.85	18.48	18.90	19.52	20.92
	8H	13.79	14.39	14.84	15.45	16.84	17.92	18.52	18.97	19.57	20.97
	12H	13.76	14.33	14.82	15.38	16.80	17.96	18.52	19.01	19.57	20.99
4H	2H	14.03	14.72	15.07	15.75	17.14	16.22	16.90	17.26	17.93	19.32
	3H	15.06	15.62	16.10	16.69	18.09	17.71	18.28	18.76	19.34	20.74
	4H	15.33	15.85	16.38	16.90	18.33	18.23	18.75	19.28	19.80	21.23
	6H	15.45	15.90	16.52	16.98	18.39	18.58	19.03	19.65	20.10	21.52
	8H	15.46	15.87	16.52	16.94	18.38	18.68	19.10	19.75	20.17	21.60
	12H	15.42	15.80	16.50	16.88	18.32	18.73	19.11	19.81	20.19	21.63
8H	4H	15.77	16.19	16.84	17.26	18.69	18.35	18.77	19.41	19.83	21.27
	6H	16.03	16.38	17.12	17.49	18.92	18.77	19.12	19.86	20.23	21.66
	8H	16.07	16.38	17.17	17.47	18.92	18.92	19.22	20.02	20.32	21.77
	12H	16.06	16.32	17.16	17.41	18.90	19.01	19.28	20.11	20.37	21.86
12H	4H	15.78	16.15	16.86	17.24	18.68	18.31	18.69	19.39	19.77	21.21
	6H	16.09	16.40	17.19	17.49	18.94	18.77	19.08	19.87	20.17	21.62
	8H	16.16	16.42	17.25	17.51	19.00	18.92	19.19	20.02	20.28	21.77

END OF REPORT