

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: P934375

Luminaire Tested: SQ4-FA-050U-075D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934375
REPORT IS A COMBINATION OF REPORTS P933695 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

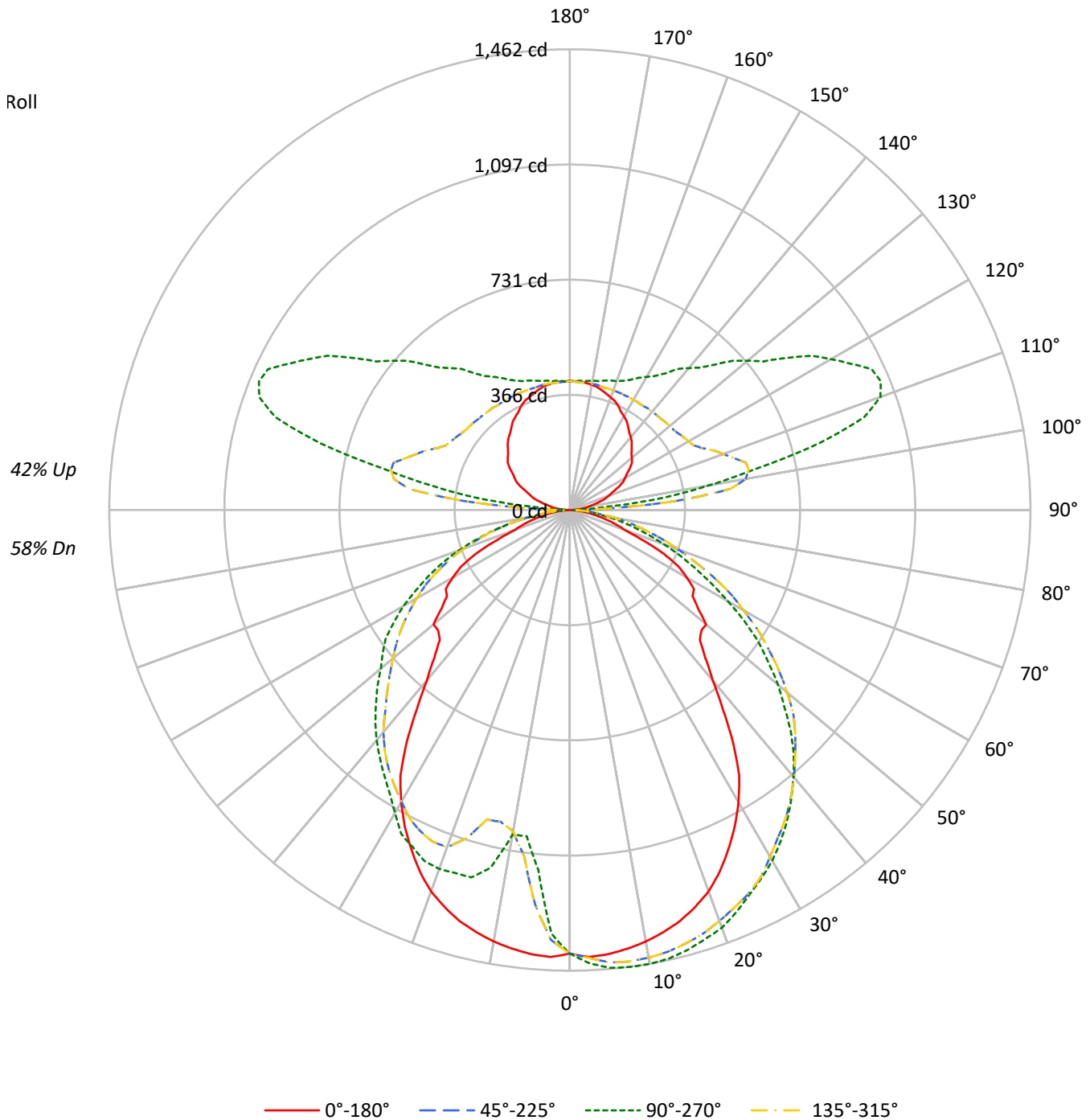
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6303.8 lumens
Efficiency: N/A
Efficacy: 115.5 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: General Diffuse

Input Watts (W): 54.6
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									20
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58																												
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49																												
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41																												
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35																												
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30																												
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26																												
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23																												
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20																												
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18																												
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16																												
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	15																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8709	8709	8709	8709
5°	8772	8792	8772	6913
10°	8710	8660	8710	6192
15°	8611	8473	8611	7075
20°	8428	8251	8428	7090
25°	8057	7926	8057	6940
30°	7577	7657	7577	6610
35°	6751	7317	6751	6247
40°	5623	6916	5623	5973
45°	5020	6447	5020	5658
50°	5330	5887	5330	5342
55°	5009	5285	5009	5160
60°	5158	4488	5158	4726
65°	4668	3710	4668	4147
70°	3226	2956	3226	3476
75°	2817	2185	2817	2617
80°	2256	1445	2256	1573
85°	1270	766	1270	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7700 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	2.0
10°-20°	360.8	5.7
20°-30°	557.8	8.8
30°-40°	665.9	10.6
40°-50°	669.8	10.6
50°-60°	582.8	9.2
60°-70°	413.2	6.6
70°-80°	218.6	3.5
80°-90°	56.0	0.9
90°-100°	199.4	3.2
100°-110°	524.2	8.3
110°-120°	543.6	8.6
120°-130°	436.0	6.9
130°-140°	342.1	5.4
140°-150°	262.6	4.2
150°-160°	189.1	3.0
160°-170°	115.7	1.8
170°-180°	39.1	0.6
0°-30°	1045.7	16.6
0°-40°	1711.6	27.2
0°-60°	2964.2	47.0
0°-90°	3652.0	57.9
90°-120°	1267.2	20.1
90°-150°	2307.9	36.6
90°-180°	2652.0	42.1
0°-180°	6303.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1408	1408	1408	1408	1408	
5°	1415	1458	1415	1147	1415	134
15°	1351	1445	1351	1207	1351	380
25°	1190	1348	1190	1180	1190	546
35°	904	1203	904	1027	904	560
45°	583	991	583	870	583	467
55°	476	731	476	714	476	437
65°	330	441	330	493	330	316
75°	125	209	125	250	125	132
85°	21	53	21	45	21	29
90°	3	10	3	10	3	3
95°	26	120	26	120	26	29
105°	94	821	94	821	94	100
115°	168	1057	168	1057	168	166
125°	233	842	233	842	233	207
135°	278	653	278	653	278	215
145°	323	530	323	530	323	202
155°	365	456	365	456	365	168
165°	393	425	393	425	393	111
175°	409	412	409	412	409	39
180°	409	409	409	409	409	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1419.9	1419.9	1427.9	1430.6	1430.6	1426.6	1422.6	1426.6	1438.6	1442.6	1441.2
5°	1414.6	1425.2	1439.9	1442.6	1445.2	1443.9	1441.2	1443.9	1457.2	1459.9	1461.2
7.5°	1403.9	1423.9	1442.6	1446.6	1450.5	1446.6	1445.2	1447.9	1461.2	1463.9	1463.9
10°	1390.6	1418.6	1439.9	1442.6	1446.6	1442.6	1442.6	1447.9	1461.2	1463.9	1465.2
12.5°	1372.0	1410.6	1430.6	1433.2	1438.6	1437.2	1435.9	1441.2	1454.5	1457.2	1457.2
15°	1350.6	1395.9	1414.6	1417.2	1426.6	1423.9	1423.9	1429.2	1443.9	1447.9	1446.6
17.5°	1321.3	1377.3	1398.6	1402.6	1409.3	1407.9	1409.3	1414.6	1427.9	1430.6	1431.9
20°	1288.0	1352.0	1377.3	1381.3	1387.9	1387.9	1387.9	1394.6	1407.9	1413.3	1413.3
22.5°	1242.8	1325.3	1352.0	1354.6	1362.6	1362.6	1365.3	1374.6	1386.6	1387.9	1387.9
25°	1189.5	1296.0	1318.7	1326.7	1334.7	1338.7	1342.7	1348.0	1352.0	1350.6	1352.0
27.5°	1133.5	1258.7	1288.0	1293.4	1304.0	1308.0	1313.4	1314.7	1316.0	1320.0	1317.3
30°	1070.9	1206.8	1250.7	1256.1	1273.4	1276.1	1270.7	1273.4	1280.1	1282.7	1285.4
32.5°	1000.3	1129.5	1212.1	1224.1	1240.1	1232.1	1230.8	1234.8	1245.4	1245.4	1248.1
35°	904.4	1069.6	1176.2	1186.8	1198.8	1189.5	1194.8	1196.1	1202.8	1206.8	1205.5
37.5°	799.2	1017.6	1138.9	1146.9	1156.2	1144.2	1152.2	1156.2	1161.5	1158.8	1158.8
40°	706.0	936.4	1094.9	1100.2	1108.2	1098.9	1106.9	1109.6	1112.2	1109.6	1108.2
42.5°	636.7	847.2	1048.3	1054.9	1049.6	1056.3	1058.9	1064.3	1060.3	1054.9	1054.9
45°	583.4	823.2	997.7	1005.7	997.7	1008.3	1012.3	1012.3	1000.3	997.7	996.3
47.5°	566.1	775.2	947.1	947.1	943.1	956.4	963.0	953.7	941.7	937.7	937.7
50°	564.8	721.9	877.8	872.5	891.1	907.1	900.4	891.1	881.8	867.1	867.1
52.5°	512.8	656.7	788.5	808.5	837.8	847.2	836.5	827.2	811.2	804.5	799.2
55°	475.5	588.7	707.3	747.3	777.9	789.9	769.9	760.6	736.6	732.6	729.9
57.5°	467.5	490.2	632.7	683.3	720.6	719.3	707.3	690.0	670.0	666.0	664.7
60°	428.9	354.3	552.8	612.7	651.3	647.4	636.7	620.7	602.1	599.4	596.7
62.5°	388.9	257.1	462.2	530.1	584.7	583.4	574.1	550.1	536.8	530.1	524.8
65°	330.3	215.8	329.0	440.9	519.5	522.1	502.2	484.8	470.2	462.2	460.9
67.5°	251.7	175.8	222.4	367.6	456.9	454.2	428.9	420.9	402.3	398.3	390.3
70°	186.5	117.2	154.5	298.4	395.6	388.9	369.0	359.6	342.3	333.0	327.7
72.5°	154.5	94.6	113.2	231.8	333.0	325.0	307.7	297.0	282.4	274.4	269.1
75°	125.2	99.9	86.6	171.8	270.4	265.1	249.1	238.4	226.4	215.8	217.1
77.5°	91.9	93.2	69.3	126.5	214.5	206.5	197.1	183.8	178.5	167.8	167.8
80°	69.3	73.3	51.9	86.6	154.5	154.5	146.5	137.2	127.9	122.5	122.5
82.5°	46.6	46.6	38.6	54.6	105.2	101.2	95.9	93.2	87.9	85.2	85.2
85°	21.3	26.6	24.0	33.3	57.3	59.9	59.9	57.3	55.9	53.3	54.6
87.5°	6.7	12.0	14.7	18.6	29.3	30.6	32.0	32.0	32.0	33.3	33.3
90°	2.8	5.0	7.2	7.7	12.1	17.9	20.9	18.6	13.9	10.4	10.4
92.5°	11.0	29.7	48.3	53.0	74.5	103.2	117.5	102.9	73.9	52.1	50.1
95°	26.4	60.5	94.7	103.2	183.3	290.1	343.5	306.5	232.6	177.1	170.8
97.5°	45.6	75.7	105.8	113.4	247.0	425.0	514.0	490.6	443.8	408.7	396.8
100°	60.4	87.7	115.1	121.9	270.0	467.6	566.4	568.1	571.5	574.1	559.9
102.5°	73.0	98.6	124.1	130.4	280.7	481.0	581.2	610.9	670.5	715.2	703.0
105°	94.5	116.1	137.6	143.1	288.5	482.5	579.5	646.3	779.8	879.9	873.3
107.5°	116.4	136.6	156.6	161.7	290.0	461.0	546.6	639.6	825.8	965.5	967.1
110°	131.2	149.4	167.6	172.1	287.8	442.0	519.1	623.2	831.4	987.5	994.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	145.8	163.1	180.4	184.8	287.9	425.4	494.2	600.7	813.8	973.5	984.0
115°	167.7	183.7	199.7	203.7	290.6	406.3	464.2	566.9	772.1	926.0	940.6
117.5°	189.4	204.0	218.4	222.1	296.0	394.4	443.6	536.3	721.5	860.4	876.5
120°	202.0	215.7	229.4	232.8	300.3	390.4	435.4	520.0	689.3	816.2	831.9
122.5°	214.5	228.2	242.0	245.4	306.6	388.2	429.1	505.3	657.7	772.0	787.5
125°	233.4	245.9	258.5	261.6	315.2	386.5	422.2	487.0	616.4	713.5	727.7
127.5°	248.7	261.4	274.1	277.3	323.7	385.6	416.5	472.1	583.1	666.5	678.5
130°	257.0	270.7	284.3	287.7	329.9	386.1	414.3	463.7	562.7	637.0	648.1
132.5°	265.5	279.2	292.9	296.2	335.0	386.5	412.4	456.7	545.2	611.7	621.6
135°	278.1	290.6	303.0	306.1	340.5	386.2	409.1	446.2	520.4	576.0	584.6
137.5°	291.0	303.3	315.6	318.7	348.6	388.5	408.5	439.8	502.5	549.6	556.6
140°	301.7	313.1	324.4	327.2	353.7	388.9	406.6	433.7	487.9	528.4	535.0
142.5°	309.9	320.4	330.9	333.5	357.9	390.4	406.6	430.4	477.9	513.6	519.3
145°	322.6	331.8	340.9	343.2	363.5	390.4	403.9	423.3	462.2	491.4	495.7
147.5°	335.2	344.1	353.1	355.3	371.5	393.0	403.9	419.1	449.8	472.8	476.3
150°	343.5	351.6	359.6	361.6	375.7	394.4	403.9	416.8	442.7	462.0	464.9
152.5°	351.9	358.0	364.2	365.7	378.4	395.3	403.9	414.9	437.0	453.5	455.6
155°	364.6	369.1	373.6	374.7	384.4	397.4	403.9	412.7	430.2	443.4	444.8
157.5°	373.9	378.3	382.7	383.8	390.5	399.4	403.9	410.7	424.4	434.6	435.6
160°	380.2	383.6	387.0	387.9	393.2	400.3	403.9	409.7	421.4	430.2	430.8
162.5°	386.5	389.1	391.7	392.3	396.1	401.3	403.9	408.8	418.7	426.1	426.6
165°	393.4	395.7	398.0	398.6	400.4	402.7	403.9	407.4	414.4	419.8	420.4
167.5°	399.7	400.8	401.9	402.2	403.7	405.6	406.6	408.9	413.5	417.0	417.3
170°	403.9	404.9	406.1	406.3	406.4	406.5	406.6	408.9	413.5	417.0	417.0
172.5°	406.1	406.3	406.5	406.6	406.6	406.6	406.6	408.4	412.0	414.8	414.6
175°	409.1	409.1	409.1	409.1	408.3	407.1	406.6	407.8	410.1	411.8	411.8
177.5°	409.1	409.1	409.1	409.1	408.5	407.6	407.1	408.0	409.9	411.2	411.0
180°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1443.9	1439.9	1443.9	1441.2	1442.6	1438.6	1426.6	1422.6	1426.6	1430.6	1430.6
5°	1461.2	1458.5	1461.2	1461.2	1459.9	1457.2	1443.9	1441.2	1443.9	1445.2	1442.6
7.5°	1466.5	1462.5	1466.5	1463.9	1463.9	1461.2	1447.9	1445.2	1446.6	1450.5	1446.6
10°	1466.5	1462.5	1466.5	1465.2	1463.9	1461.2	1447.9	1442.6	1442.6	1446.6	1442.6
12.5°	1459.9	1457.2	1459.9	1457.2	1457.2	1454.5	1441.2	1435.9	1437.2	1438.6	1433.2
15°	1449.2	1445.2	1449.2	1446.6	1447.9	1443.9	1429.2	1423.9	1423.9	1426.6	1417.2
17.5°	1433.2	1427.9	1433.2	1431.9	1430.6	1427.9	1414.6	1409.3	1407.9	1409.3	1402.6
20°	1414.6	1410.6	1414.6	1413.3	1413.3	1407.9	1394.6	1387.9	1387.9	1387.9	1381.3
22.5°	1385.3	1381.3	1385.3	1387.9	1387.9	1386.6	1374.6	1365.3	1362.6	1362.6	1354.6
25°	1352.0	1348.0	1352.0	1352.0	1350.6	1352.0	1348.0	1342.7	1338.7	1334.7	1326.7
27.5°	1320.0	1317.3	1320.0	1317.3	1320.0	1316.0	1314.7	1313.4	1308.0	1304.0	1293.4
30°	1288.0	1285.4	1288.0	1285.4	1282.7	1280.1	1273.4	1270.7	1276.1	1273.4	1256.1
32.5°	1248.1	1245.4	1248.1	1248.1	1245.4	1245.4	1234.8	1230.8	1232.1	1240.1	1224.1
35°	1206.8	1202.8	1206.8	1205.5	1206.8	1202.8	1196.1	1194.8	1189.5	1198.8	1186.8
37.5°	1158.8	1154.8	1158.8	1158.8	1158.8	1161.5	1156.2	1152.2	1144.2	1156.2	1146.9
40°	1109.6	1104.2	1109.6	1108.2	1109.6	1112.2	1109.6	1106.9	1098.9	1108.2	1100.2
42.5°	1053.6	1052.3	1053.6	1054.9	1054.9	1060.3	1064.3	1058.9	1056.3	1049.6	1054.9
45°	993.7	991.0	993.7	996.3	997.7	1000.3	1012.3	1012.3	1008.3	997.7	1005.7
47.5°	929.7	923.1	929.7	937.7	937.7	941.7	953.7	963.0	956.4	943.1	947.1
50°	861.8	863.1	861.8	867.1	867.1	881.8	891.1	900.4	907.1	891.1	872.5
52.5°	795.2	793.9	795.2	799.2	804.5	811.2	827.2	836.5	847.2	837.8	808.5
55°	728.6	731.3	728.6	729.9	732.6	736.6	760.6	769.9	789.9	777.9	747.3
57.5°	662.0	658.0	662.0	664.7	666.0	670.0	690.0	707.3	719.3	720.6	683.3
60°	584.7	579.4	584.7	596.7	599.4	602.1	620.7	636.7	647.4	651.3	612.7
62.5°	516.8	507.5	516.8	524.8	530.1	536.8	550.1	574.1	583.4	584.7	530.1
65°	444.9	440.9	444.9	460.9	462.2	470.2	484.8	502.2	522.1	519.5	440.9
67.5°	379.6	379.6	379.6	390.3	398.3	402.3	420.9	428.9	454.2	456.9	367.6
70°	319.7	318.3	319.7	327.7	333.0	342.3	359.6	369.0	388.9	395.6	298.4
72.5°	262.4	261.1	262.4	269.1	274.4	282.4	297.0	307.7	325.0	333.0	231.8
75°	211.8	209.1	211.8	217.1	215.8	226.4	238.4	249.1	265.1	270.4	171.8
77.5°	162.5	162.5	162.5	167.8	167.8	178.5	183.8	197.1	206.5	214.5	126.5
80°	121.2	119.9	121.2	122.5	122.5	127.9	137.2	146.5	154.5	154.5	86.6
82.5°	85.2	82.6	85.2	85.2	85.2	87.9	93.2	95.9	101.2	105.2	54.6
85°	53.3	53.3	53.3	54.6	53.3	55.9	57.3	59.9	59.9	57.3	33.3
87.5°	34.6	33.3	34.6	33.3	33.3	32.0	32.0	32.0	30.6	29.3	18.6
90°	10.4	10.4	10.4	10.4	10.4	13.9	18.6	20.9	17.9	12.1	7.7
92.5°	41.7	33.5	41.7	50.1	52.1	73.9	102.9	117.5	103.2	74.5	53.0
95°	145.6	120.5	145.6	170.8	177.1	232.6	306.5	343.5	290.1	183.3	103.2
97.5°	349.0	301.2	349.0	396.8	408.7	443.8	490.6	514.0	425.0	247.0	113.4
100°	502.9	445.9	502.9	559.9	574.1	571.5	568.1	566.4	467.6	270.0	121.9
102.5°	654.2	605.3	654.2	703.0	715.2	670.5	610.9	581.2	481.0	280.7	130.4
105°	847.2	820.9	847.2	873.3	879.9	779.8	646.3	579.5	482.5	288.5	143.1
107.5°	973.4	979.8	973.4	967.1	965.5	825.8	639.6	546.6	461.0	290.0	161.7
110°	1021.6	1049.0	1021.6	994.4	987.5	831.4	623.2	519.1	442.0	287.8	172.1



TEST NUMBER: P934375

CATALOG NUMBER: SQ4-FA-050U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1026.0	1067.9	1026.0	984.0	973.5	813.8	600.7	494.2	425.4	287.9	184.8
115°	998.7	1057.0	998.7	940.6	926.0	772.1	566.9	464.2	406.3	290.6	203.7
117.5°	941.1	1005.7	941.1	876.5	860.4	721.5	536.3	443.6	394.4	296.0	222.1
120°	894.6	957.4	894.6	831.9	816.2	689.3	520.0	435.4	390.4	300.3	232.8
122.5°	849.4	911.2	849.4	787.5	772.0	657.7	505.3	429.1	388.2	306.6	245.4
125°	784.7	841.7	784.7	727.7	713.5	616.4	487.0	422.2	386.5	315.2	261.6
127.5°	726.7	774.8	726.7	678.5	666.5	583.1	472.1	416.5	385.6	323.7	277.3
130°	692.5	736.9	692.5	648.1	637.0	562.7	463.7	414.3	386.1	329.9	287.7
132.5°	661.4	701.2	661.4	621.6	611.7	545.2	456.7	412.4	386.5	335.0	296.2
135°	618.8	653.1	618.8	584.6	576.0	520.4	446.2	409.1	386.2	340.5	306.1
137.5°	584.7	612.8	584.7	556.6	549.6	502.5	439.8	408.5	388.5	348.6	318.7
140°	561.2	587.5	561.2	535.0	528.4	487.9	433.7	406.6	388.9	353.7	327.2
142.5°	541.9	564.4	541.9	519.3	513.6	477.9	430.4	406.6	390.4	357.9	333.5
145°	512.8	529.9	512.8	495.7	491.4	462.2	423.3	403.9	390.4	363.5	343.2
147.5°	490.4	504.6	490.4	476.3	472.8	449.8	419.1	403.9	393.0	371.5	355.3
150°	476.4	487.9	476.4	464.9	462.0	442.7	416.8	403.9	394.4	375.7	361.6
152.5°	464.3	473.0	464.3	455.6	453.5	437.0	414.9	403.9	395.3	378.4	365.7
155°	450.6	456.3	450.6	444.8	443.4	430.2	412.7	403.9	397.4	384.4	374.7
157.5°	439.6	443.6	439.6	435.6	434.6	424.4	410.7	403.9	399.4	390.5	383.8
160°	433.1	435.4	433.1	430.8	430.2	421.4	409.7	403.9	400.3	393.2	387.9
162.5°	428.8	431.0	428.8	426.6	426.1	418.7	408.8	403.9	401.3	396.1	392.3
165°	422.7	425.0	422.7	420.4	419.8	414.4	407.4	403.9	402.7	400.4	398.6
167.5°	418.2	419.2	418.2	417.3	417.0	413.5	408.9	406.6	405.6	403.7	402.2
170°	417.0	417.0	417.0	417.0	417.0	413.5	408.9	406.6	406.5	406.4	406.3
172.5°	413.7	412.9	413.7	414.6	414.8	412.0	408.4	406.6	406.6	406.6	406.6
175°	411.8	411.8	411.8	411.8	411.8	410.1	407.8	406.6	407.1	408.3	409.1
177.5°	410.1	409.1	410.1	411.0	411.2	409.9	408.0	407.1	407.6	408.5	409.1
180°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1



TEST NUMBER: P934375

CATALOG NUMBER: SQ4-FA-050U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1427.9	1419.9	1419.9	1406.6	1401.3	1397.3	1390.6	1370.6	1365.3	1360.0	1368.0
5°	1439.9	1425.2	1414.6	1390.6	1370.6	1362.6	1337.3	1289.4	1257.4	1233.4	1220.1
7.5°	1442.6	1423.9	1403.9	1366.6	1318.7	1297.4	1220.1	1132.2	1108.2	1086.9	1073.6
10°	1439.9	1418.6	1390.6	1334.7	1221.4	1184.1	1106.9	1049.6	1035.0	1031.0	1035.0
12.5°	1430.6	1410.6	1372.0	1278.7	1120.2	1094.9	1049.6	1016.3	1013.7	1020.3	1056.3
15°	1414.6	1395.9	1350.6	1204.1	1064.3	1045.6	1013.7	1001.7	1016.3	1062.9	1170.8
17.5°	1398.6	1377.3	1321.3	1130.9	1021.6	1008.3	985.7	1009.7	1092.2	1154.8	1190.8
20°	1377.3	1352.0	1288.0	1077.6	991.0	979.0	968.4	1076.3	1138.9	1161.5	1181.5
22.5°	1352.0	1325.3	1242.8	1040.3	959.0	949.7	956.4	1113.6	1138.9	1154.8	1172.2
25°	1318.7	1296.0	1189.5	1011.0	933.7	923.1	948.4	1109.6	1124.2	1128.2	1162.8
27.5°	1288.0	1258.7	1133.5	984.3	903.1	899.1	955.0	1092.2	1102.9	1106.9	1144.2
30°	1250.7	1206.8	1070.9	956.4	871.1	869.8	956.4	1070.9	1068.3	1078.9	1116.2
32.5°	1212.1	1129.5	1000.3	921.7	840.5	839.2	947.1	1039.0	1036.3	1050.9	1078.9
35°	1176.2	1069.6	904.4	881.8	801.9	803.2	924.4	1001.7	1003.0	1016.3	1033.6
37.5°	1138.9	1017.6	799.2	837.8	764.6	764.6	893.8	967.0	964.4	968.4	992.3
40°	1094.9	936.4	706.0	780.6	729.9	725.9	856.5	929.7	920.4	919.1	952.4
42.5°	1048.3	847.2	636.7	704.6	690.0	684.6	811.2	884.4	867.1	871.1	913.8
45°	997.7	823.2	583.4	595.4	648.7	644.7	761.9	832.5	820.5	831.2	875.1
47.5°	947.1	775.2	566.1	494.2	604.7	603.4	707.3	781.9	775.2	785.9	832.5
50°	877.8	721.9	564.8	423.6	555.4	560.8	642.0	732.6	732.6	741.9	791.2
52.5°	788.5	656.7	512.8	383.6	498.2	514.2	584.7	690.0	692.6	702.0	745.9
55°	707.3	588.7	475.5	353.0	430.2	464.9	528.8	646.0	651.3	660.7	700.6
57.5°	632.7	490.2	467.5	317.0	367.6	400.9	479.5	603.4	606.1	614.1	652.7
60°	552.8	354.3	428.9	278.4	313.0	338.3	434.2	552.8	562.1	567.4	600.7
62.5°	462.2	257.1	388.9	251.7	286.4	291.7	396.9	504.8	516.8	520.8	540.8
65°	329.0	215.8	330.3	229.1	258.4	259.7	357.0	455.5	466.2	472.9	487.5
67.5°	222.4	175.8	251.7	207.8	237.1	238.4	318.3	398.3	412.9	418.2	427.6
70°	154.5	117.2	186.5	185.1	213.1	215.8	277.1	346.3	359.6	363.6	369.0
72.5°	113.2	94.6	154.5	166.5	187.8	190.5	234.4	287.7	301.0	305.0	307.7
75°	86.6	99.9	125.2	145.2	159.8	161.2	191.8	234.4	243.8	246.4	247.8
77.5°	69.3	93.2	91.9	117.2	130.5	127.9	150.5	181.2	189.1	189.1	189.1
80°	51.9	73.3	69.3	83.9	95.9	93.2	107.9	129.2	131.9	134.5	133.2
82.5°	38.6	46.6	46.6	53.3	63.9	61.3	71.9	83.9	83.9	83.9	86.6
85°	24.0	26.6	21.3	28.0	36.0	34.6	40.0	45.3	46.6	46.6	44.0
87.5°	14.7	12.0	6.7	10.7	16.0	16.0	18.6	20.0	18.6	18.6	18.6
90°	7.2	5.0	2.8	5.0	7.2	7.7	12.1	17.9	20.9	18.6	13.9
92.5°	48.3	29.7	11.0	29.7	48.3	53.0	74.5	103.2	117.5	102.9	73.9
95°	94.7	60.5	26.4	60.5	94.7	103.2	183.3	290.1	343.5	306.5	232.6
97.5°	105.8	75.7	45.6	75.7	105.8	113.4	247.0	425.0	514.0	490.6	443.8
100°	115.1	87.7	60.4	87.7	115.1	121.9	270.0	467.6	566.4	568.1	571.5
102.5°	124.1	98.6	73.0	98.6	124.1	130.4	280.7	481.0	581.2	610.9	670.5
105°	137.6	116.1	94.5	116.1	137.6	143.1	288.5	482.5	579.5	646.3	779.8
107.5°	156.6	136.6	116.4	136.6	156.6	161.7	290.0	461.0	546.6	639.6	825.8
110°	167.6	149.4	131.2	149.4	167.6	172.1	287.8	442.0	519.1	623.2	831.4



TEST NUMBER: P934375

CATALOG NUMBER: SQ4-FA-050U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	180.4	163.1	145.8	163.1	180.4	184.8	287.9	425.4	494.2	600.7	813.8
115°	199.7	183.7	167.7	183.7	199.7	203.7	290.6	406.3	464.2	566.9	772.1
117.5°	218.4	204.0	189.4	204.0	218.4	222.1	296.0	394.4	443.6	536.3	721.5
120°	229.4	215.7	202.0	215.7	229.4	232.8	300.3	390.4	435.4	520.0	689.3
122.5°	242.0	228.2	214.5	228.2	242.0	245.4	306.6	388.2	429.1	505.3	657.7
125°	258.5	245.9	233.4	245.9	258.5	261.6	315.2	386.5	422.2	487.0	616.4
127.5°	274.1	261.4	248.7	261.4	274.1	277.3	323.7	385.6	416.5	472.1	583.1
130°	284.3	270.7	257.0	270.7	284.3	287.7	329.9	386.1	414.3	463.7	562.7
132.5°	292.9	279.2	265.5	279.2	292.9	296.2	335.0	386.5	412.4	456.7	545.2
135°	303.0	290.6	278.1	290.6	303.0	306.1	340.5	386.2	409.1	446.2	520.4
137.5°	315.6	303.3	291.0	303.3	315.6	318.7	348.6	388.5	408.5	439.8	502.5
140°	324.4	313.1	301.7	313.1	324.4	327.2	353.7	388.9	406.6	433.7	487.9
142.5°	330.9	320.4	309.9	320.4	330.9	333.5	357.9	390.4	406.6	430.4	477.9
145°	340.9	331.8	322.6	331.8	340.9	343.2	363.5	390.4	403.9	423.3	462.2
147.5°	353.1	344.1	335.2	344.1	353.1	355.3	371.5	393.0	403.9	419.1	449.8
150°	359.6	351.6	343.5	351.6	359.6	361.6	375.7	394.4	403.9	416.8	442.7
152.5°	364.2	358.0	351.9	358.0	364.2	365.7	378.4	395.3	403.9	414.9	437.0
155°	373.6	369.1	364.6	369.1	373.6	374.7	384.4	397.4	403.9	412.7	430.2
157.5°	382.7	378.3	373.9	378.3	382.7	383.8	390.5	399.4	403.9	410.7	424.4
160°	387.0	383.6	380.2	383.6	387.0	387.9	393.2	400.3	403.9	409.7	421.4
162.5°	391.7	389.1	386.5	389.1	391.7	392.3	396.1	401.3	403.9	408.8	418.7
165°	398.0	395.7	393.4	395.7	398.0	398.6	400.4	402.7	403.9	407.4	414.4
167.5°	401.9	400.8	399.7	400.8	401.9	402.2	403.7	405.6	406.6	408.9	413.5
170°	406.1	404.9	403.9	404.9	406.1	406.3	406.4	406.5	406.6	408.9	413.5
172.5°	406.5	406.3	406.1	406.3	406.5	406.6	406.6	406.6	406.6	408.4	412.0
175°	409.1	409.1	409.1	409.1	409.1	409.1	408.3	407.1	406.6	407.8	410.1
177.5°	409.1	409.1	409.1	409.1	409.1	409.1	408.5	407.6	407.1	408.0	409.9
180°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1



TEST NUMBER: P934375
 CATALOG NUMBER: SQ4-FA-050U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1358.6	1354.6	1360.0	1345.3	1360.0	1354.6	1358.6	1368.0	1360.0	1365.3	1370.6
5°	1192.1	1185.5	1164.2	1146.9	1164.2	1185.5	1192.1	1220.1	1233.4	1257.4	1289.4
7.5°	1065.6	1060.3	1054.9	1044.3	1054.9	1060.3	1065.6	1073.6	1086.9	1108.2	1132.2
10°	1037.6	1039.0	1047.0	1045.6	1047.0	1039.0	1037.6	1035.0	1031.0	1035.0	1049.6
12.5°	1109.6	1121.5	1165.5	1162.8	1165.5	1121.5	1109.6	1056.3	1020.3	1013.7	1016.3
15°	1192.1	1196.1	1205.5	1206.8	1205.5	1196.1	1192.1	1170.8	1062.9	1016.3	1001.7
17.5°	1200.1	1201.5	1208.1	1208.1	1208.1	1201.5	1200.1	1190.8	1154.8	1092.2	1009.7
20°	1193.5	1196.1	1209.5	1212.1	1209.5	1196.1	1193.5	1181.5	1161.5	1138.9	1076.3
22.5°	1190.8	1196.1	1206.8	1205.5	1206.8	1196.1	1190.8	1172.2	1154.8	1138.9	1113.6
25°	1177.5	1177.5	1178.8	1180.2	1178.8	1177.5	1177.5	1162.8	1128.2	1124.2	1109.6
27.5°	1149.5	1152.2	1160.2	1158.8	1160.2	1152.2	1149.5	1144.2	1106.9	1102.9	1092.2
30°	1124.2	1121.5	1114.9	1109.6	1114.9	1121.5	1124.2	1116.2	1078.9	1068.3	1070.9
32.5°	1081.6	1074.9	1068.3	1064.3	1068.3	1074.9	1081.6	1078.9	1050.9	1036.3	1039.0
35°	1031.0	1032.3	1031.0	1027.0	1031.0	1032.3	1031.0	1033.6	1016.3	1003.0	1001.7
37.5°	995.0	997.7	996.3	991.0	996.3	997.7	995.0	992.3	968.4	964.4	967.0
40°	957.7	959.0	957.7	953.7	957.7	959.0	957.7	952.4	919.1	920.4	929.7
42.5°	921.7	920.4	916.4	913.8	916.4	920.4	921.7	913.8	871.1	867.1	884.4
45°	880.5	881.8	873.8	869.8	873.8	881.8	880.5	875.1	831.2	820.5	832.5
47.5°	839.2	839.2	832.5	828.5	832.5	839.2	839.2	832.5	785.9	775.2	781.9
50°	795.2	793.9	784.5	783.2	784.5	793.9	795.2	791.2	741.9	732.6	732.6
52.5°	744.6	744.6	745.9	748.6	745.9	744.6	744.6	745.9	702.0	692.6	690.0
55°	700.6	702.0	711.3	714.0	711.3	702.0	700.6	700.6	660.7	651.3	646.0
57.5°	655.3	655.3	662.0	662.0	662.0	655.3	655.3	652.7	614.1	606.1	603.4
60°	603.4	606.1	611.4	610.1	611.4	606.1	603.4	600.7	567.4	562.1	552.8
62.5°	548.8	551.4	552.8	550.1	552.8	551.4	548.8	540.8	520.8	516.8	504.8
65°	491.5	494.2	495.5	492.8	495.5	494.2	491.5	487.5	472.9	466.2	455.5
67.5°	432.9	431.6	430.2	435.6	430.2	431.6	432.9	427.6	418.2	412.9	398.3
70°	373.0	373.0	371.6	374.3	371.6	373.0	373.0	369.0	363.6	359.6	346.3
72.5°	309.0	307.7	313.0	309.0	313.0	307.7	309.0	307.7	305.0	301.0	287.7
75°	246.4	249.1	246.4	250.4	246.4	249.1	246.4	247.8	246.4	243.8	234.4
77.5°	187.8	190.5	187.8	187.8	187.8	190.5	187.8	189.1	189.1	189.1	181.2
80°	133.2	131.9	131.9	130.5	131.9	131.9	133.2	133.2	134.5	131.9	129.2
82.5°	85.2	83.9	83.9	86.6	83.9	83.9	85.2	86.6	83.9	83.9	83.9
85°	46.6	48.0	45.3	45.3	45.3	48.0	46.6	44.0	46.6	46.6	45.3
87.5°	17.3	16.0	16.0	16.0	16.0	16.0	17.3	18.6	18.6	18.6	20.0
90°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	13.9	18.6	20.9	17.9
92.5°	52.1	50.1	41.7	33.5	41.7	50.1	52.1	73.9	102.9	117.5	103.2
95°	177.1	170.8	145.6	120.5	145.6	170.8	177.1	232.6	306.5	343.5	290.1
97.5°	408.7	396.8	349.0	301.2	349.0	396.8	408.7	443.8	490.6	514.0	425.0
100°	574.1	559.9	502.9	445.9	502.9	559.9	574.1	571.5	568.1	566.4	467.6
102.5°	715.2	703.0	654.2	605.3	654.2	703.0	715.2	670.5	610.9	581.2	481.0
105°	879.9	873.3	847.2	820.9	847.2	873.3	879.9	779.8	646.3	579.5	482.5
107.5°	965.5	967.1	973.4	979.8	973.4	967.1	965.5	825.8	639.6	546.6	461.0
110°	987.5	994.4	1021.6	1049.0	1021.6	994.4	987.5	831.4	623.2	519.1	442.0



TEST NUMBER: P934375

CATALOG NUMBER: SQ4-FA-050U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	973.5	984.0	1026.0	1067.9	1026.0	984.0	973.5	813.8	600.7	494.2	425.4
115°	926.0	940.6	998.7	1057.0	998.7	940.6	926.0	772.1	566.9	464.2	406.3
117.5°	860.4	876.5	941.1	1005.7	941.1	876.5	860.4	721.5	536.3	443.6	394.4
120°	816.2	831.9	894.6	957.4	894.6	831.9	816.2	689.3	520.0	435.4	390.4
122.5°	772.0	787.5	849.4	911.2	849.4	787.5	772.0	657.7	505.3	429.1	388.2
125°	713.5	727.7	784.7	841.7	784.7	727.7	713.5	616.4	487.0	422.2	386.5
127.5°	666.5	678.5	726.7	774.8	726.7	678.5	666.5	583.1	472.1	416.5	385.6
130°	637.0	648.1	692.5	736.9	692.5	648.1	637.0	562.7	463.7	414.3	386.1
132.5°	611.7	621.6	661.4	701.2	661.4	621.6	611.7	545.2	456.7	412.4	386.5
135°	576.0	584.6	618.8	653.1	618.8	584.6	576.0	520.4	446.2	409.1	386.2
137.5°	549.6	556.6	584.7	612.8	584.7	556.6	549.6	502.5	439.8	408.5	388.5
140°	528.4	535.0	561.2	587.5	561.2	535.0	528.4	487.9	433.7	406.6	388.9
142.5°	513.6	519.3	541.9	564.4	541.9	519.3	513.6	477.9	430.4	406.6	390.4
145°	491.4	495.7	512.8	529.9	512.8	495.7	491.4	462.2	423.3	403.9	390.4
147.5°	472.8	476.3	490.4	504.6	490.4	476.3	472.8	449.8	419.1	403.9	393.0
150°	462.0	464.9	476.4	487.9	476.4	464.9	462.0	442.7	416.8	403.9	394.4
152.5°	453.5	455.6	464.3	473.0	464.3	455.6	453.5	437.0	414.9	403.9	395.3
155°	443.4	444.8	450.6	456.3	450.6	444.8	443.4	430.2	412.7	403.9	397.4
157.5°	434.6	435.6	439.6	443.6	439.6	435.6	434.6	424.4	410.7	403.9	399.4
160°	430.2	430.8	433.1	435.4	433.1	430.8	430.2	421.4	409.7	403.9	400.3
162.5°	426.1	426.6	428.8	431.0	428.8	426.6	426.1	418.7	408.8	403.9	401.3
165°	419.8	420.4	422.7	425.0	422.7	420.4	419.8	414.4	407.4	403.9	402.7
167.5°	417.0	417.3	418.2	419.2	418.2	417.3	417.0	413.5	408.9	406.6	405.6
170°	417.0	417.0	417.0	417.0	417.0	417.0	417.0	413.5	408.9	406.6	406.5
172.5°	414.8	414.6	413.7	412.9	413.7	414.6	414.8	412.0	408.4	406.6	406.6
175°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	410.1	407.8	406.6	407.1
177.5°	411.2	411.0	410.1	409.1	410.1	411.0	411.2	409.9	408.0	407.1	407.6
180°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1



TEST NUMBER: P934375

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1390.6	1397.3	1401.3	1406.6	1419.9
5°	1337.3	1362.6	1370.6	1390.6	1414.6
7.5°	1220.1	1297.4	1318.7	1366.6	1403.9
10°	1106.9	1184.1	1221.4	1334.7	1390.6
12.5°	1049.6	1094.9	1120.2	1278.7	1372.0
15°	1013.7	1045.6	1064.3	1204.1	1350.6
17.5°	985.7	1008.3	1021.6	1130.9	1321.3
20°	968.4	979.0	991.0	1077.6	1288.0
22.5°	956.4	949.7	959.0	1040.3	1242.8
25°	948.4	923.1	933.7	1011.0	1189.5
27.5°	955.0	899.1	903.1	984.3	1133.5
30°	956.4	869.8	871.1	956.4	1070.9
32.5°	947.1	839.2	840.5	921.7	1000.3
35°	924.4	803.2	801.9	881.8	904.4
37.5°	893.8	764.6	764.6	837.8	799.2
40°	856.5	725.9	729.9	780.6	706.0
42.5°	811.2	684.6	690.0	704.6	636.7
45°	761.9	644.7	648.7	595.4	583.4
47.5°	707.3	603.4	604.7	494.2	566.1
50°	642.0	560.8	555.4	423.6	564.8
52.5°	584.7	514.2	498.2	383.6	512.8
55°	528.8	464.9	430.2	353.0	475.5
57.5°	479.5	400.9	367.6	317.0	467.5
60°	434.2	338.3	313.0	278.4	428.9
62.5°	396.9	291.7	286.4	251.7	388.9
65°	357.0	259.7	258.4	229.1	330.3
67.5°	318.3	238.4	237.1	207.8	251.7
70°	277.1	215.8	213.1	185.1	186.5
72.5°	234.4	190.5	187.8	166.5	154.5
75°	191.8	161.2	159.8	145.2	125.2
77.5°	150.5	127.9	130.5	117.2	91.9
80°	107.9	93.2	95.9	83.9	69.3
82.5°	71.9	61.3	63.9	53.3	46.6
85°	40.0	34.6	36.0	28.0	21.3
87.5°	18.6	16.0	16.0	10.7	6.7
90°	12.1	7.7	7.2	5.0	2.8
92.5°	74.5	53.0	48.3	29.7	11.0
95°	183.3	103.2	94.7	60.5	26.4
97.5°	247.0	113.4	105.8	75.7	45.6
100°	270.0	121.9	115.1	87.7	60.4
102.5°	280.7	130.4	124.1	98.6	73.0
105°	288.5	143.1	137.6	116.1	94.5
107.5°	290.0	161.7	156.6	136.6	116.4
110°	287.8	172.1	167.6	149.4	131.2



TEST NUMBER: P934375

CATALOG NUMBER: SQ4-FA-050U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	287.9	184.8	180.4	163.1	145.8
115°	290.6	203.7	199.7	183.7	167.7
117.5°	296.0	222.1	218.4	204.0	189.4
120°	300.3	232.8	229.4	215.7	202.0
122.5°	306.6	245.4	242.0	228.2	214.5
125°	315.2	261.6	258.5	245.9	233.4
127.5°	323.7	277.3	274.1	261.4	248.7
130°	329.9	287.7	284.3	270.7	257.0
132.5°	335.0	296.2	292.9	279.2	265.5
135°	340.5	306.1	303.0	290.6	278.1
137.5°	348.6	318.7	315.6	303.3	291.0
140°	353.7	327.2	324.4	313.1	301.7
142.5°	357.9	333.5	330.9	320.4	309.9
145°	363.5	343.2	340.9	331.8	322.6
147.5°	371.5	355.3	353.1	344.1	335.2
150°	375.7	361.6	359.6	351.6	343.5
152.5°	378.4	365.7	364.2	358.0	351.9
155°	384.4	374.7	373.6	369.1	364.6
157.5°	390.5	383.8	382.7	378.3	373.9
160°	393.2	387.9	387.0	383.6	380.2
162.5°	396.1	392.3	391.7	389.1	386.5
165°	400.4	398.6	398.0	395.7	393.4
167.5°	403.7	402.2	401.9	400.8	399.7
170°	406.4	406.3	406.1	404.9	403.9
172.5°	406.6	406.6	406.5	406.3	406.1
175°	408.3	409.1	409.1	409.1	409.1
177.5°	408.5	409.1	409.1	409.1	409.1
180°	409.1	409.1	409.1	409.1	409.1



TEST NUMBER: P934375
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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	13.96	13.91	14.87	16.02	15.85	16.79	16.73	17.69	18.85
	3H	13.51	14.35	14.41	15.26	16.44	17.20	18.04	18.10	18.95	20.13
	4H	13.70	14.50	14.62	15.42	16.61	17.65	18.44	18.56	19.36	20.55
	6H	13.83	14.56	14.75	15.48	16.69	17.93	18.66	18.86	19.59	20.79
	8H	13.83	14.53	14.76	15.47	16.67	18.01	18.71	18.94	19.65	20.85
	12H	13.80	14.47	14.74	15.40	16.63	18.05	18.71	18.99	19.65	20.88
4H	2H	14.07	14.86	14.98	15.78	16.97	16.27	17.06	17.19	17.98	19.17
	3H	15.10	15.76	16.03	16.71	17.92	17.78	18.44	18.71	19.39	20.60
	4H	15.38	15.98	16.32	16.93	18.16	18.31	18.91	19.25	19.86	21.09
	6H	15.51	16.03	16.46	17.00	18.23	18.68	19.20	19.63	20.17	21.40
	8H	15.52	16.00	16.47	16.97	18.21	18.78	19.27	19.74	20.24	21.48
	12H	15.49	15.92	16.46	16.91	18.15	18.84	19.28	19.82	20.26	21.51
8H	4H	15.84	16.32	16.79	17.29	18.53	18.44	18.93	19.40	19.89	21.13
	6H	16.10	16.50	17.08	17.51	18.75	18.88	19.28	19.86	20.29	21.53
	8H	16.15	16.50	17.14	17.50	18.75	19.03	19.38	20.02	20.38	21.64
	12H	16.13	16.45	17.13	17.43	18.74	19.13	19.44	20.12	20.43	21.74
12H	4H	15.85	16.29	16.82	17.27	18.52	18.41	18.85	19.38	19.83	21.08
	6H	16.16	16.52	17.15	17.51	18.77	18.88	19.23	19.87	20.23	21.49
	8H	16.23	16.55	17.23	17.53	18.84	19.04	19.35	20.03	20.34	21.65