

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: P935202

Luminaire Tested: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935202
REPORT IS A COMBINATION OF REPORTS P933742 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

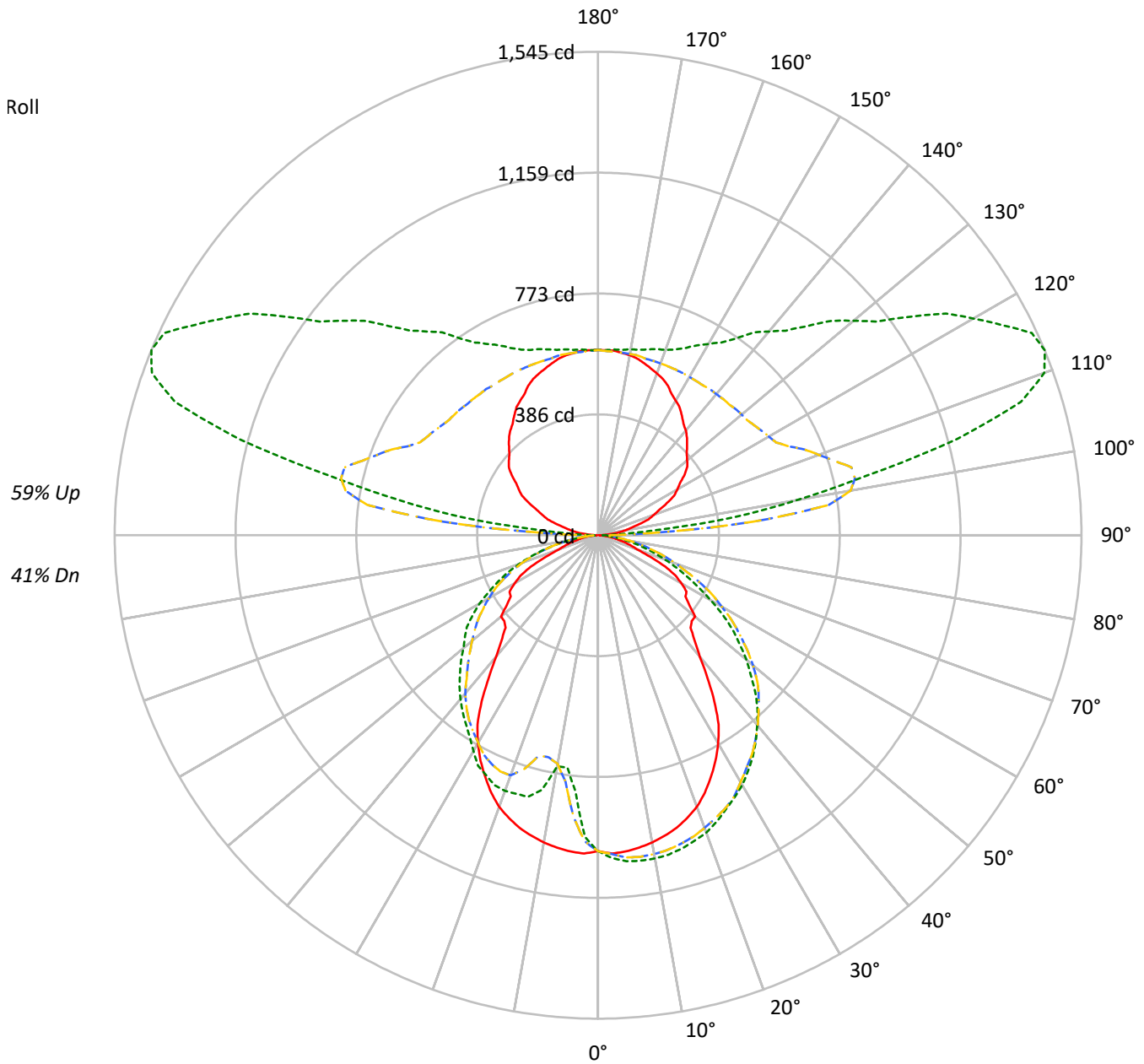
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6456.7 lumens
Efficiency: N/A
Efficacy: 131.2 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): 49.2
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

TEST NUMBER: P935202
CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

Luminous Intensity Polar Plot



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

TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41				
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34				
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29				
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24				
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21				
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18				
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16				
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14				
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13				
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11				
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9367	9367	9367	9367
5°	9427	9457	9427	7436
10°	9354	9316	9354	6660
15°	9242	9114	9242	7609
20°	9038	8874	9038	7625
25°	8632	8526	8632	7464
30°	8111	8236	8111	7109
35°	7220	7870	7220	6719
40°	6006	7439	6006	6425
45°	5357	6934	5357	6086
50°	5677	6332	5677	5746
55°	5326	5684	5326	5550
60°	5470	4828	5470	5083
65°	4935	3990	4935	4461
70°	3394	3179	3394	3739
75°	2945	2350	2945	2814
80°	2326	1555	2326	1692
85°	1267	823	1267	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8225 cd/sqm



TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.4
10°-20°	258.7	4.0
20°-30°	400.0	6.2
30°-40°	477.5	7.4
40°-50°	480.3	7.4
50°-60°	417.9	6.5
60°-70°	296.3	4.6
70°-80°	156.7	2.4
80°-90°	41.3	0.6
90°-100°	288.5	4.5
100°-110°	758.5	11.7
110°-120°	786.5	12.2
120°-130°	630.8	9.8
130°-140°	495.0	7.7
140°-150°	379.9	5.9
150°-160°	273.6	4.2
160°-170°	167.4	2.6
170°-180°	56.6	0.9
0°-30°	749.8	11.6
0°-40°	1227.3	19.0
0°-60°	2125.6	32.9
0°-90°	2619.9	40.6
90°-120°	1833.5	28.4
90°-150°	3339.2	51.7
90°-180°	3837.0	59.4
0°-180°	6456.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1010	1010	1010	1010	1010	
5°	1014	1046	1014	822	1014	96
15°	968	1036	968	865	968	272
25°	853	967	853	846	853	392
35°	648	862	648	736	648	401
45°	418	711	418	624	418	335
55°	341	524	341	512	341	313
65°	237	316	237	353	237	226
75°	90	150	90	180	90	94
85°	15	38	15	32	15	21
90°	4	15	4	15	4	4
95°	38	174	38	174	38	42
105°	137	1188	137	1188	137	145
115°	243	1529	243	1529	243	240
125°	338	1218	338	1218	338	300
135°	402	945	402	945	402	311
145°	467	767	467	767	467	292
155°	528	660	528	660	528	242
165°	569	615	569	615	569	161
175°	592	596	592	596	592	56
180°	592	592	592	592	592	



TEST NUMBER: P935202
 CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	1018.1	1018.1	1024.0	1025.9	1025.9	1023.0	1020.1	1023.0	1031.6	1034.5	1033.5
5°	1014.3	1022.0	1032.5	1034.5	1036.4	1035.4	1033.5	1035.4	1045.0	1046.9	1047.8
7.5°	1006.7	1021.1	1034.5	1037.3	1040.2	1037.3	1036.4	1038.3	1047.8	1049.7	1049.7
10°	997.1	1017.2	1032.5	1034.5	1037.3	1034.5	1034.5	1038.3	1047.8	1049.7	1050.7
12.5°	983.7	1011.4	1025.9	1027.8	1031.6	1030.6	1029.7	1033.5	1043.1	1045.0	1045.0
15°	968.5	1000.9	1014.3	1016.2	1023.0	1021.1	1021.1	1024.9	1035.4	1038.3	1037.3
17.5°	947.5	987.6	1002.8	1005.7	1010.5	1009.5	1010.5	1014.3	1024.0	1025.9	1026.8
20°	923.6	969.4	987.6	990.4	995.2	995.2	995.2	1000.0	1009.5	1013.4	1013.4
22.5°	891.1	950.3	969.4	971.3	977.1	977.1	979.0	985.7	994.3	995.2	995.2
25°	852.9	929.3	945.5	951.3	957.0	959.9	962.7	966.6	969.4	968.5	969.4
27.5°	812.8	902.6	923.6	927.4	935.0	937.9	941.7	942.7	943.6	946.5	944.6
30°	767.9	865.3	896.8	900.7	913.1	915.0	911.2	913.1	917.9	919.8	921.7
32.5°	717.3	809.9	869.1	877.7	889.2	883.5	882.5	885.4	893.0	893.0	894.9
35°	648.5	767.0	843.4	851.0	859.6	852.9	856.7	857.7	862.5	865.3	864.4
37.5°	573.1	729.7	816.6	822.4	829.0	820.4	826.2	829.0	832.9	830.9	830.9
40°	506.2	671.5	785.1	788.9	794.7	788.0	793.7	795.6	797.5	795.6	794.7
42.5°	456.6	607.5	751.7	756.5	752.6	757.4	759.3	763.1	760.3	756.5	756.5
45°	418.4	590.3	715.4	721.1	715.4	723.0	725.9	725.9	717.3	715.4	714.4
47.5°	406.0	555.9	679.1	679.1	676.2	685.8	690.6	683.9	675.3	672.4	672.4
50°	405.0	517.7	629.4	625.6	639.0	650.5	645.7	639.0	632.3	621.8	621.8
52.5°	367.8	470.9	565.5	579.8	600.8	607.5	599.8	593.2	581.7	576.9	573.1
55°	341.0	422.2	507.2	535.9	557.8	566.4	552.1	545.4	528.2	525.3	523.4
57.5°	335.2	351.5	453.7	490.0	516.8	515.8	507.2	494.8	480.5	477.6	476.6
60°	307.5	254.0	396.4	439.4	467.1	464.2	456.6	445.1	431.8	429.8	427.9
62.5°	278.9	184.3	331.4	380.2	419.3	418.4	411.7	394.5	385.0	380.2	376.4
65°	236.8	154.7	235.9	316.1	372.5	374.5	360.1	347.7	337.1	331.4	330.4
67.5°	180.5	126.1	159.5	263.6	327.6	325.7	307.5	301.8	288.4	285.5	279.8
70°	133.7	84.0	110.8	213.9	283.6	278.9	264.5	257.8	245.4	238.8	234.9
72.5°	110.8	67.8	81.2	166.2	238.8	233.0	220.6	213.0	202.5	196.7	192.9
75°	89.8	71.6	62.1	123.2	193.9	190.0	178.6	170.9	162.4	154.7	155.7
77.5°	65.9	66.8	49.7	90.7	153.8	148.0	141.3	131.8	128.0	120.3	120.3
80°	49.7	52.5	37.2	62.1	110.8	110.8	105.0	98.4	91.7	87.9	87.9
82.5°	33.4	33.4	27.7	39.2	75.4	72.6	68.8	66.8	63.0	61.1	61.1
85°	15.3	19.1	17.2	23.9	41.1	43.0	43.0	41.1	40.1	38.2	39.2
87.5°	4.8	8.6	10.5	13.4	21.0	22.0	22.9	22.9	22.9	23.9	23.9
90°	4.0	7.2	10.3	11.1	17.5	26.0	30.2	26.8	20.2	15.1	15.1
92.5°	15.9	42.9	69.9	76.7	107.8	149.3	170.0	149.0	107.0	75.4	72.5
95°	38.1	87.6	137.0	149.4	265.2	419.6	496.9	443.4	336.4	256.2	247.2
97.5°	65.9	109.5	153.2	164.1	357.3	614.8	743.6	709.8	642.1	591.4	574.1
100°	87.4	126.9	166.5	176.4	390.8	676.6	819.5	822.0	826.8	830.6	809.9
102.5°	105.6	142.6	179.4	188.7	406.2	696.0	841.0	884.0	970.2	1034.7	1017.1
105°	136.7	167.9	199.1	206.9	417.5	698.2	838.6	935.1	1128.2	1273.1	1263.7
107.5°	168.5	197.6	226.7	234.0	419.6	667.1	790.8	925.6	1195.0	1397.1	1399.4
110°	189.9	216.2	242.5	249.1	416.4	639.6	751.1	901.7	1202.9	1428.8	1438.7



TEST NUMBER: P935202
 CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	211.0	236.0	261.0	267.3	416.6	615.5	715.0	869.1	1177.3	1408.5	1423.7
115°	242.7	265.8	288.9	294.7	420.4	588.0	671.7	820.2	1117.2	1339.9	1360.9
117.5°	274.1	295.1	316.1	321.4	428.2	570.7	642.0	775.9	1043.9	1244.9	1268.2
120°	292.3	312.1	331.9	336.8	434.5	564.9	630.0	752.4	997.3	1181.0	1203.7
122.5°	310.3	330.2	350.2	355.2	443.7	561.8	620.8	731.1	951.6	1117.0	1139.3
125°	337.7	355.8	374.0	378.6	456.0	559.2	610.9	704.6	891.9	1032.4	1053.0
127.5°	359.8	378.2	396.6	401.2	468.3	557.8	602.6	683.0	843.8	964.5	981.8
130°	371.8	391.6	411.3	416.3	477.3	558.8	599.5	671.1	814.2	921.6	937.6
132.5°	384.1	403.9	423.6	428.6	484.6	559.2	596.6	660.7	788.8	885.0	899.4
135°	402.4	420.4	438.4	442.9	492.6	558.8	591.9	645.6	752.8	833.3	845.7
137.5°	421.1	438.9	456.7	461.2	504.4	562.2	591.0	636.4	727.1	795.2	805.4
140°	436.5	453.0	469.4	473.5	511.8	562.8	588.3	627.4	705.8	764.7	774.1
142.5°	448.5	463.7	478.8	482.7	517.9	564.8	588.3	622.7	691.5	743.2	751.4
145°	466.7	480.0	493.2	496.5	525.8	564.9	584.4	612.5	668.8	711.0	717.2
147.5°	485.0	497.9	510.7	514.0	537.5	568.7	584.4	606.5	650.8	684.1	689.2
150°	496.9	508.5	520.2	523.1	543.6	570.8	584.4	603.1	640.4	668.5	672.6
152.5°	509.2	518.0	526.9	529.1	547.5	572.0	584.4	600.3	632.2	656.2	659.3
155°	527.5	534.0	540.6	542.2	556.3	575.0	584.4	597.1	622.5	641.5	643.6
157.5°	541.0	547.4	553.7	555.3	565.0	577.9	584.4	594.2	614.0	628.8	630.2
160°	550.2	555.1	560.0	561.3	569.0	579.2	584.4	592.9	609.8	622.5	623.3
162.5°	559.2	563.0	566.7	567.7	573.2	580.6	584.4	591.5	605.8	616.5	617.2
165°	569.2	572.5	575.9	576.7	579.3	582.6	584.4	589.5	599.7	607.4	608.2
167.5°	578.3	580.0	581.6	582.0	584.1	586.8	588.3	591.6	598.3	603.4	603.8
170°	584.4	585.9	587.5	587.9	588.0	588.2	588.3	591.6	598.3	603.4	603.4
172.5°	587.5	587.9	588.2	588.3	588.3	588.3	588.3	591.0	596.2	600.2	599.9
175°	591.9	591.9	591.9	591.9	590.7	589.0	588.3	590.0	593.3	595.8	595.8
177.5°	591.9	591.9	591.9	591.9	591.0	589.7	589.0	590.4	593.1	595.1	594.7
180°	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9



TEST NUMBER: P935202
 CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	1035.4	1032.5	1035.4	1033.5	1034.5	1031.6	1023.0	1020.1	1023.0	1025.9	1025.9
5°	1047.8	1045.9	1047.8	1047.8	1046.9	1045.0	1035.4	1033.5	1035.4	1036.4	1034.5
7.5°	1051.6	1048.8	1051.6	1049.7	1049.7	1047.8	1038.3	1036.4	1037.3	1040.2	1037.3
10°	1051.6	1048.8	1051.6	1050.7	1049.7	1047.8	1038.3	1034.5	1034.5	1037.3	1034.5
12.5°	1046.9	1045.0	1046.9	1045.0	1045.0	1043.1	1033.5	1029.7	1030.6	1031.6	1027.8
15°	1039.2	1036.4	1039.2	1037.3	1038.3	1035.4	1024.9	1021.1	1021.1	1023.0	1016.2
17.5°	1027.8	1024.0	1027.8	1026.8	1025.9	1024.0	1014.3	1010.5	1009.5	1010.5	1005.7
20°	1014.3	1011.4	1014.3	1013.4	1013.4	1009.5	1000.0	995.2	995.2	995.2	990.4
22.5°	993.3	990.4	993.3	995.2	995.2	994.3	985.7	979.0	977.1	977.1	971.3
25°	969.4	966.6	969.4	969.4	968.5	969.4	966.6	962.7	959.9	957.0	951.3
27.5°	946.5	944.6	946.5	944.6	946.5	943.6	942.7	941.7	937.9	935.0	927.4
30°	923.6	921.7	923.6	921.7	919.8	917.9	913.1	911.2	915.0	913.1	900.7
32.5°	894.9	893.0	894.9	894.9	893.0	893.0	885.4	882.5	883.5	889.2	877.7
35°	865.3	862.5	865.3	864.4	865.3	862.5	857.7	856.7	852.9	859.6	851.0
37.5°	830.9	828.1	830.9	830.9	830.9	832.9	829.0	826.2	820.4	829.0	822.4
40°	795.6	791.8	795.6	794.7	795.6	797.5	795.6	793.7	788.0	794.7	788.9
42.5°	755.5	754.5	755.5	756.5	756.5	760.3	763.1	759.3	757.4	752.6	756.5
45°	712.5	710.6	712.5	714.4	715.4	717.3	725.9	725.9	723.0	715.4	721.1
47.5°	666.7	661.9	666.7	672.4	672.4	675.3	683.9	690.6	685.8	676.2	679.1
50°	618.0	618.9	618.0	621.8	621.8	632.3	639.0	645.7	650.5	639.0	625.6
52.5°	570.2	569.3	570.2	573.1	576.9	581.7	593.2	599.8	607.5	600.8	579.8
55°	522.5	524.4	522.5	523.4	525.3	528.2	545.4	552.1	566.4	557.8	535.9
57.5°	474.7	471.9	474.7	476.6	477.6	480.5	494.8	507.2	515.8	516.8	490.0
60°	419.3	415.5	419.3	427.9	429.8	431.8	445.1	456.6	464.2	467.1	439.4
62.5°	370.6	364.0	370.6	376.4	380.2	385.0	394.5	411.7	418.4	419.3	380.2
65°	319.0	316.1	319.0	330.4	331.4	337.1	347.7	360.1	374.5	372.5	316.1
67.5°	272.2	272.2	272.2	279.8	285.5	288.4	301.8	307.5	325.7	327.6	263.6
70°	229.2	228.2	229.2	234.9	238.8	245.4	257.8	264.5	278.9	283.6	213.9
72.5°	188.1	187.2	188.1	192.9	196.7	202.5	213.0	220.6	233.0	238.8	166.2
75°	151.8	149.9	151.8	155.7	154.7	162.4	170.9	178.6	190.0	193.9	123.2
77.5°	116.5	116.5	116.5	120.3	120.3	128.0	131.8	141.3	148.0	153.8	90.7
80°	86.9	86.0	86.9	87.9	87.9	91.7	98.4	105.0	110.8	110.8	62.1
82.5°	61.1	59.2	61.1	61.1	61.1	63.0	66.8	68.8	72.6	75.4	39.2
85°	38.2	38.2	38.2	39.2	38.2	40.1	41.1	43.0	43.0	41.1	23.9
87.5°	24.8	23.9	24.8	23.9	23.9	22.9	22.9	22.9	22.0	21.0	13.4
90°	15.1	15.1	15.1	15.1	15.1	20.2	26.8	30.2	26.0	17.5	11.1
92.5°	60.5	48.4	60.5	72.5	75.4	107.0	149.0	170.0	149.3	107.8	76.7
95°	210.8	174.4	210.8	247.2	256.2	336.4	443.4	496.9	419.6	265.2	149.4
97.5°	504.9	435.8	504.9	574.1	591.4	642.1	709.8	743.6	614.8	357.3	164.1
100°	727.5	645.1	727.5	809.9	830.6	826.8	822.0	819.5	676.6	390.8	176.4
102.5°	946.5	875.9	946.5	1017.1	1034.7	970.2	884.0	841.0	696.0	406.2	188.7
105°	1225.6	1187.7	1225.6	1263.7	1273.1	1128.2	935.1	838.6	698.2	417.5	206.9
107.5°	1408.5	1417.7	1408.5	1399.4	1397.1	1195.0	925.6	790.8	667.1	419.6	234.0
110°	1478.2	1517.8	1478.2	1438.7	1428.8	1202.9	901.7	751.1	639.6	416.4	249.1



TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1484.5	1545.2	1484.5	1423.7	1408.5	1177.3	869.1	715.0	615.5	416.6	267.3
115°	1445.1	1529.3	1445.1	1360.9	1339.9	1117.2	820.2	671.7	588.0	420.4	294.7
117.5°	1361.6	1455.0	1361.6	1268.2	1244.9	1043.9	775.9	642.0	570.7	428.2	321.4
120°	1294.4	1385.1	1294.4	1203.7	1181.0	997.3	752.4	630.0	564.9	434.5	336.8
122.5°	1228.9	1318.4	1228.9	1139.3	1117.0	951.6	731.1	620.8	561.8	443.7	355.2
125°	1135.4	1217.9	1135.4	1053.0	1032.4	891.9	704.6	610.9	559.2	456.0	378.6
127.5°	1051.5	1121.0	1051.5	981.8	964.5	843.8	683.0	602.6	557.8	468.3	401.2
130°	1001.9	1066.2	1001.9	937.6	921.6	814.2	671.1	599.5	558.8	477.3	416.3
132.5°	956.9	1014.5	956.9	899.4	885.0	788.8	660.7	596.6	559.2	484.6	428.6
135°	895.3	945.0	895.3	845.7	833.3	752.8	645.6	591.9	558.8	492.6	442.9
137.5°	846.0	886.6	846.0	805.4	795.2	727.1	636.4	591.0	562.2	504.4	461.2
140°	812.1	850.0	812.1	774.1	764.7	705.8	627.4	588.3	562.8	511.8	473.5
142.5°	784.1	816.7	784.1	751.4	743.2	691.5	622.7	588.3	564.8	517.9	482.7
145°	741.9	766.7	741.9	717.2	711.0	668.8	612.5	584.4	564.9	525.8	496.5
147.5°	709.7	730.1	709.7	689.2	684.1	650.8	606.5	584.4	568.7	537.5	514.0
150°	689.2	705.8	689.2	672.6	668.5	640.4	603.1	584.4	570.8	543.6	523.1
152.5°	671.8	684.4	671.8	659.3	656.2	632.2	600.3	584.4	572.0	547.5	529.1
155°	651.9	660.2	651.9	643.6	641.5	622.5	597.1	584.4	575.0	556.3	542.2
157.5°	636.1	642.0	636.1	630.2	628.8	614.0	594.2	584.4	577.9	565.0	555.3
160°	626.7	630.0	626.7	623.3	622.5	609.8	592.9	584.4	579.2	569.0	561.3
162.5°	620.5	623.6	620.5	617.2	616.5	605.8	591.5	584.4	580.6	573.2	567.7
165°	611.6	614.9	611.6	608.2	607.4	599.7	589.5	584.4	582.6	579.3	576.7
167.5°	605.1	606.5	605.1	603.8	603.4	598.3	591.6	588.3	586.8	584.1	582.0
170°	603.4	603.4	603.4	603.4	603.4	598.3	591.6	588.3	588.2	588.0	587.9
172.5°	598.7	597.4	598.7	599.9	600.2	596.2	591.0	588.3	588.3	588.3	588.3
175°	595.8	595.8	595.8	595.8	595.8	593.3	590.0	588.3	589.0	590.7	591.9
177.5°	593.3	591.9	593.3	594.7	595.1	593.1	590.4	589.0	589.7	591.0	591.9
180°	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9



TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	1024.0	1018.1	1018.1	1008.6	1004.8	1001.9	997.1	982.8	979.0	975.2	980.9
5°	1032.5	1022.0	1014.3	997.1	982.8	977.1	958.9	924.5	901.6	884.4	874.9
7.5°	1034.5	1021.1	1006.7	979.9	945.5	930.3	874.9	811.8	794.7	779.4	769.8
10°	1032.5	1017.2	997.1	957.0	875.8	849.1	793.7	752.6	742.1	739.3	742.1
12.5°	1025.9	1011.4	983.7	916.9	803.3	785.1	752.6	728.8	726.9	731.6	757.4
15°	1014.3	1000.9	968.5	863.4	763.1	749.8	726.9	718.3	728.8	762.2	839.5
17.5°	1002.8	987.6	947.5	810.9	732.6	723.0	706.8	724.0	783.2	828.1	853.9
20°	987.6	969.4	923.6	772.7	710.6	702.0	694.4	771.7	816.6	832.9	847.2
22.5°	969.4	950.3	891.1	746.0	687.7	681.0	685.8	798.5	816.6	828.1	840.5
25°	945.5	929.3	852.9	724.9	669.6	661.9	680.1	795.6	806.1	809.0	833.8
27.5°	923.6	902.6	812.8	705.8	647.6	644.7	684.8	783.2	790.8	793.7	820.4
30°	896.8	865.3	767.9	685.8	624.7	623.7	685.8	767.9	766.0	773.6	800.4
32.5°	869.1	809.9	717.3	661.0	602.7	601.7	679.1	745.0	743.1	753.6	773.6
35°	843.4	767.0	648.5	632.3	575.0	576.0	662.9	718.3	719.2	728.8	741.2
37.5°	816.6	729.7	573.1	600.8	548.3	548.3	640.9	693.4	691.5	694.4	711.6
40°	785.1	671.5	506.2	559.7	523.4	520.6	614.2	666.7	660.0	659.0	682.9
42.5°	751.7	607.5	456.6	505.3	494.8	491.0	581.7	634.2	621.8	624.7	655.2
45°	715.4	590.3	418.4	427.0	465.2	462.3	546.4	597.0	588.4	596.0	627.5
47.5°	679.1	555.9	406.0	354.4	433.7	432.7	507.2	560.7	555.9	563.5	597.0
50°	629.4	517.7	405.0	303.7	398.3	402.2	460.4	525.3	525.3	532.0	567.4
52.5°	565.5	470.9	367.8	275.0	357.3	368.7	419.3	494.8	496.7	503.4	534.9
55°	507.2	422.2	341.0	253.1	308.5	333.3	379.2	463.3	467.1	473.8	502.4
57.5°	453.7	351.5	335.2	227.3	263.6	287.5	343.9	432.7	434.6	440.4	468.0
60°	396.4	254.0	307.5	199.6	224.4	242.6	311.3	396.4	403.1	406.9	430.8
62.5°	331.4	184.3	278.9	180.5	205.3	209.1	284.6	362.0	370.6	373.5	387.8
65°	235.9	154.7	236.8	164.3	185.3	186.2	255.9	326.6	334.2	339.0	349.6
67.5°	159.5	126.1	180.5	149.0	170.0	170.9	228.2	285.5	296.0	299.9	306.6
70°	110.8	84.0	133.7	132.7	152.8	154.7	198.6	248.3	257.8	260.7	264.5
72.5°	81.2	67.8	110.8	119.4	134.7	136.6	168.1	206.3	215.8	218.7	220.6
75°	62.1	71.6	89.8	104.1	114.6	115.6	137.5	168.1	174.8	176.7	177.6
77.5°	49.7	66.8	65.9	84.0	93.6	91.7	107.9	129.9	135.6	135.6	135.6
80°	37.2	52.5	49.7	60.2	68.8	66.8	77.4	92.6	94.5	96.5	95.5
82.5°	27.7	33.4	33.4	38.2	45.8	43.9	51.6	60.2	60.2	60.2	62.1
85°	17.2	19.1	15.3	20.1	25.8	24.8	28.6	32.5	33.4	33.4	31.5
87.5°	10.5	8.6	4.8	7.6	11.5	11.5	13.4	14.3	13.4	13.4	13.4
90°	10.3	7.2	4.0	7.2	10.3	11.1	17.5	26.0	30.2	26.8	20.2
92.5°	69.9	42.9	15.9	42.9	69.9	76.7	107.8	149.3	170.0	149.0	107.0
95°	137.0	87.6	38.1	87.6	137.0	149.4	265.2	419.6	496.9	443.4	336.4
97.5°	153.2	109.5	65.9	109.5	153.2	164.1	357.3	614.8	743.6	709.8	642.1
100°	166.5	126.9	87.4	126.9	166.5	176.4	390.8	676.6	819.5	822.0	826.8
102.5°	179.4	142.6	105.6	142.6	179.4	188.7	406.2	696.0	841.0	884.0	970.2
105°	199.1	167.9	136.7	167.9	199.1	206.9	417.5	698.2	838.6	935.1	1128.2
107.5°	226.7	197.6	168.5	197.6	226.7	234.0	419.6	667.1	790.8	925.6	1195.0
110°	242.5	216.2	189.9	216.2	242.5	249.1	416.4	639.6	751.1	901.7	1202.9



TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	261.0	236.0	211.0	236.0	261.0	267.3	416.6	615.5	715.0	869.1	1177.3
115°	288.9	265.8	242.7	265.8	288.9	294.7	420.4	588.0	671.7	820.2	1117.2
117.5°	316.1	295.1	274.1	295.1	316.1	321.4	428.2	570.7	642.0	775.9	1043.9
120°	331.9	312.1	292.3	312.1	331.9	336.8	434.5	564.9	630.0	752.4	997.3
122.5°	350.2	330.2	310.3	330.2	350.2	355.2	443.7	561.8	620.8	731.1	951.6
125°	374.0	355.8	337.7	355.8	374.0	378.6	456.0	559.2	610.9	704.6	891.9
127.5°	396.6	378.2	359.8	378.2	396.6	401.2	468.3	557.8	602.6	683.0	843.8
130°	411.3	391.6	371.8	391.6	411.3	416.3	477.3	558.8	599.5	671.1	814.2
132.5°	423.6	403.9	384.1	403.9	423.6	428.6	484.6	559.2	596.6	660.7	788.8
135°	438.4	420.4	402.4	420.4	438.4	442.9	492.6	558.8	591.9	645.6	752.8
137.5°	456.7	438.9	421.1	438.9	456.7	461.2	504.4	562.2	591.0	636.4	727.1
140°	469.4	453.0	436.5	453.0	469.4	473.5	511.8	562.8	588.3	627.4	705.8
142.5°	478.8	463.7	448.5	463.7	478.8	482.7	517.9	564.8	588.3	622.7	691.5
145°	493.2	480.0	466.7	480.0	493.2	496.5	525.8	564.9	584.4	612.5	668.8
147.5°	510.7	497.9	485.0	497.9	510.7	514.0	537.5	568.7	584.4	606.5	650.8
150°	520.2	508.5	496.9	508.5	520.2	523.1	543.6	570.8	584.4	603.1	640.4
152.5°	526.9	518.0	509.2	518.0	526.9	529.1	547.5	572.0	584.4	600.3	632.2
155°	540.6	534.0	527.5	534.0	540.6	542.2	556.3	575.0	584.4	597.1	622.5
157.5°	553.7	547.4	541.0	547.4	553.7	555.3	565.0	577.9	584.4	594.2	614.0
160°	560.0	555.1	550.2	555.1	560.0	561.3	569.0	579.2	584.4	592.9	609.8
162.5°	566.7	563.0	559.2	563.0	566.7	567.7	573.2	580.6	584.4	591.5	605.8
165°	575.9	572.5	569.2	572.5	575.9	576.7	579.3	582.6	584.4	589.5	599.7
167.5°	581.6	580.0	578.3	580.0	581.6	582.0	584.1	586.8	588.3	591.6	598.3
170°	587.5	585.9	584.4	585.9	587.5	587.9	588.0	588.2	588.3	591.6	598.3
172.5°	588.2	587.9	587.5	587.9	588.2	588.3	588.3	588.3	588.3	591.0	596.2
175°	591.9	591.9	591.9	591.9	591.9	591.9	590.7	589.0	588.3	590.0	593.3
177.5°	591.9	591.9	591.9	591.9	591.9	591.9	591.0	589.7	589.0	590.4	593.1
180°	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9



TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	974.2	971.3	975.2	964.6	975.2	971.3	974.2	980.9	975.2	979.0	982.8
5°	854.8	850.0	834.8	822.4	834.8	850.0	854.8	874.9	884.4	901.6	924.5
7.5°	764.1	760.3	756.5	748.8	756.5	760.3	764.1	769.8	779.4	794.7	811.8
10°	744.0	745.0	750.7	749.8	750.7	745.0	744.0	742.1	739.3	742.1	752.6
12.5°	795.6	804.2	835.7	833.8	835.7	804.2	795.6	757.4	731.6	726.9	728.8
15°	854.8	857.7	864.4	865.3	864.4	857.7	854.8	839.5	762.2	728.8	718.3
17.5°	860.6	861.5	866.3	866.3	866.3	861.5	860.6	853.9	828.1	783.2	724.0
20°	855.8	857.7	867.2	869.1	867.2	857.7	855.8	847.2	832.9	816.6	771.7
22.5°	853.9	857.7	865.3	864.4	865.3	857.7	853.9	840.5	828.1	816.6	798.5
25°	844.3	844.3	845.3	846.2	845.3	844.3	844.3	833.8	809.0	806.1	795.6
27.5°	824.3	826.2	831.9	830.9	831.9	826.2	824.3	820.4	793.7	790.8	783.2
30°	806.1	804.2	799.4	795.6	799.4	804.2	806.1	800.4	773.6	766.0	767.9
32.5°	775.6	770.8	766.0	763.1	766.0	770.8	775.6	773.6	753.6	743.1	745.0
35°	739.3	740.2	739.3	736.4	739.3	740.2	739.3	741.2	728.8	719.2	718.3
37.5°	713.5	715.4	714.4	710.6	714.4	715.4	713.5	711.6	694.4	691.5	693.4
40°	686.7	687.7	686.7	683.9	686.7	687.7	686.7	682.9	659.0	660.0	666.7
42.5°	661.0	660.0	657.1	655.2	657.1	660.0	661.0	655.2	624.7	621.8	634.2
45°	631.4	632.3	626.6	623.7	626.6	632.3	631.4	627.5	596.0	588.4	597.0
47.5°	601.7	601.7	597.0	594.1	597.0	601.7	601.7	597.0	563.5	555.9	560.7
50°	570.2	569.3	562.6	561.6	562.6	569.3	570.2	567.4	532.0	525.3	525.3
52.5°	533.9	533.9	534.9	536.8	534.9	533.9	533.9	534.9	503.4	496.7	494.8
55°	502.4	503.4	510.1	512.0	510.1	503.4	502.4	502.4	473.8	467.1	463.3
57.5°	470.0	470.0	474.7	474.7	474.7	470.0	470.0	468.0	440.4	434.6	432.7
60°	432.7	434.6	438.4	437.5	438.4	434.6	432.7	430.8	406.9	403.1	396.4
62.5°	393.6	395.5	396.4	394.5	396.4	395.5	393.6	387.8	373.5	370.6	362.0
65°	352.5	354.4	355.4	353.4	355.4	354.4	352.5	349.6	339.0	334.2	326.6
67.5°	310.4	309.4	308.5	312.3	308.5	309.4	310.4	306.6	299.9	296.0	285.5
70°	267.4	267.4	266.4	268.4	266.4	267.4	267.4	264.5	260.7	257.8	248.3
72.5°	221.6	220.6	224.4	221.6	224.4	220.6	221.6	220.6	218.7	215.8	206.3
75°	176.7	178.6	176.7	179.5	176.7	178.6	176.7	177.6	176.7	174.8	168.1
77.5°	134.7	136.6	134.7	134.7	134.7	136.6	134.7	135.6	135.6	135.6	129.9
80°	95.5	94.5	94.5	93.6	94.5	94.5	95.5	95.5	96.5	94.5	92.6
82.5°	61.1	60.2	60.2	62.1	60.2	60.2	61.1	62.1	60.2	60.2	60.2
85°	33.4	34.4	32.5	32.5	32.5	34.4	33.4	31.5	33.4	33.4	32.5
87.5°	12.4	11.5	11.5	11.5	11.5	11.5	12.4	13.4	13.4	13.4	14.3
90°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	20.2	26.8	30.2	26.0
92.5°	75.4	72.5	60.5	48.4	60.5	72.5	75.4	107.0	149.0	170.0	149.3
95°	256.2	247.2	210.8	174.4	210.8	247.2	256.2	336.4	443.4	496.9	419.6
97.5°	591.4	574.1	504.9	435.8	504.9	574.1	591.4	642.1	709.8	743.6	614.8
100°	830.6	809.9	727.5	645.1	727.5	809.9	830.6	826.8	822.0	819.5	676.6
102.5°	1034.7	1017.1	946.5	875.9	946.5	1017.1	1034.7	970.2	884.0	841.0	696.0
105°	1273.1	1263.7	1225.6	1187.7	1225.6	1263.7	1273.1	1128.2	935.1	838.6	698.2
107.5°	1397.1	1399.4	1408.5	1417.7	1408.5	1399.4	1397.1	1195.0	925.6	790.8	667.1
110°	1428.8	1438.7	1478.2	1517.8	1478.2	1438.7	1428.8	1202.9	901.7	751.1	639.6



TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1408.5	1423.7	1484.5	1545.2	1484.5	1423.7	1408.5	1177.3	869.1	715.0	615.5
115°	1339.9	1360.9	1445.1	1529.3	1445.1	1360.9	1339.9	1117.2	820.2	671.7	588.0
117.5°	1244.9	1268.2	1361.6	1455.0	1361.6	1268.2	1244.9	1043.9	775.9	642.0	570.7
120°	1181.0	1203.7	1294.4	1385.1	1294.4	1203.7	1181.0	997.3	752.4	630.0	564.9
122.5°	1117.0	1139.3	1228.9	1318.4	1228.9	1139.3	1117.0	951.6	731.1	620.8	561.8
125°	1032.4	1053.0	1135.4	1217.9	1135.4	1053.0	1032.4	891.9	704.6	610.9	559.2
127.5°	964.5	981.8	1051.5	1121.0	1051.5	981.8	964.5	843.8	683.0	602.6	557.8
130°	921.6	937.6	1001.9	1066.2	1001.9	937.6	921.6	814.2	671.1	599.5	558.8
132.5°	885.0	899.4	956.9	1014.5	956.9	899.4	885.0	788.8	660.7	596.6	559.2
135°	833.3	845.7	895.3	945.0	895.3	845.7	833.3	752.8	645.6	591.9	558.8
137.5°	795.2	805.4	846.0	886.6	846.0	805.4	795.2	727.1	636.4	591.0	562.2
140°	764.7	774.1	812.1	850.0	812.1	774.1	764.7	705.8	627.4	588.3	562.8
142.5°	743.2	751.4	784.1	816.7	784.1	751.4	743.2	691.5	622.7	588.3	564.8
145°	711.0	717.2	741.9	766.7	741.9	717.2	711.0	668.8	612.5	584.4	564.9
147.5°	684.1	689.2	709.7	730.1	709.7	689.2	684.1	650.8	606.5	584.4	568.7
150°	668.5	672.6	689.2	705.8	689.2	672.6	668.5	640.4	603.1	584.4	570.8
152.5°	656.2	659.3	671.8	684.4	671.8	659.3	656.2	632.2	600.3	584.4	572.0
155°	641.5	643.6	651.9	660.2	651.9	643.6	641.5	622.5	597.1	584.4	575.0
157.5°	628.8	630.2	636.1	642.0	636.1	630.2	628.8	614.0	594.2	584.4	577.9
160°	622.5	623.3	626.7	630.0	626.7	623.3	622.5	609.8	592.9	584.4	579.2
162.5°	616.5	617.2	620.5	623.6	620.5	617.2	616.5	605.8	591.5	584.4	580.6
165°	607.4	608.2	611.6	614.9	611.6	608.2	607.4	599.7	589.5	584.4	582.6
167.5°	603.4	603.8	605.1	606.5	605.1	603.8	603.4	598.3	591.6	588.3	586.8
170°	603.4	603.4	603.4	603.4	603.4	603.4	603.4	598.3	591.6	588.3	588.2
172.5°	600.2	599.9	598.7	597.4	598.7	599.9	600.2	596.2	591.0	588.3	588.3
175°	595.8	595.8	595.8	595.8	595.8	595.8	595.8	593.3	590.0	588.3	589.0
177.5°	595.1	594.7	593.3	591.9	593.3	594.7	595.1	593.1	590.4	589.0	589.7
180°	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9	591.9



TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	997.1	1001.9	1004.8	1008.6	1018.1
5°	958.9	977.1	982.8	997.1	1014.3
7.5°	874.9	930.3	945.5	979.9	1006.7
10°	793.7	849.1	875.8	957.0	997.1
12.5°	752.6	785.1	803.3	916.9	983.7
15°	726.9	749.8	763.1	863.4	968.5
17.5°	706.8	723.0	732.6	810.9	947.5
20°	694.4	702.0	710.6	772.7	923.6
22.5°	685.8	681.0	687.7	746.0	891.1
25°	680.1	661.9	669.6	724.9	852.9
27.5°	684.8	644.7	647.6	705.8	812.8
30°	685.8	623.7	624.7	685.8	767.9
32.5°	679.1	601.7	602.7	661.0	717.3
35°	662.9	576.0	575.0	632.3	648.5
37.5°	640.9	548.3	548.3	600.8	573.1
40°	614.2	520.6	523.4	559.7	506.2
42.5°	581.7	491.0	494.8	505.3	456.6
45°	546.4	462.3	465.2	427.0	418.4
47.5°	507.2	432.7	433.7	354.4	406.0
50°	460.4	402.2	398.3	303.7	405.0
52.5°	419.3	368.7	357.3	275.0	367.8
55°	379.2	333.3	308.5	253.1	341.0
57.5°	343.9	287.5	263.6	227.3	335.2
60°	311.3	242.6	224.4	199.6	307.5
62.5°	284.6	209.1	205.3	180.5	278.9
65°	255.9	186.2	185.3	164.3	236.8
67.5°	228.2	170.9	170.0	149.0	180.5
70°	198.6	154.7	152.8	132.7	133.7
72.5°	168.1	136.6	134.7	119.4	110.8
75°	137.5	115.6	114.6	104.1	89.8
77.5°	107.9	91.7	93.6	84.0	65.9
80°	77.4	66.8	68.8	60.2	49.7
82.5°	51.6	43.9	45.8	38.2	33.4
85°	28.6	24.8	25.8	20.1	15.3
87.5°	13.4	11.5	11.5	7.6	4.8
90°	17.5	11.1	10.3	7.2	4.0
92.5°	107.8	76.7	69.9	42.9	15.9
95°	265.2	149.4	137.0	87.6	38.1
97.5°	357.3	164.1	153.2	109.5	65.9
100°	390.8	176.4	166.5	126.9	87.4
102.5°	406.2	188.7	179.4	142.6	105.6
105°	417.5	206.9	199.1	167.9	136.7
107.5°	419.6	234.0	226.7	197.6	168.5
110°	416.4	249.1	242.5	216.2	189.9



TEST NUMBER: P935202

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	416.6	267.3	261.0	236.0	211.0
115°	420.4	294.7	288.9	265.8	242.7
117.5°	428.2	321.4	316.1	295.1	274.1
120°	434.5	336.8	331.9	312.1	292.3
122.5°	443.7	355.2	350.2	330.2	310.3
125°	456.0	378.6	374.0	355.8	337.7
127.5°	468.3	401.2	396.6	378.2	359.8
130°	477.3	416.3	411.3	391.6	371.8
132.5°	484.6	428.6	423.6	403.9	384.1
135°	492.6	442.9	438.4	420.4	402.4
137.5°	504.4	461.2	456.7	438.9	421.1
140°	511.8	473.5	469.4	453.0	436.5
142.5°	517.9	482.7	478.8	463.7	448.5
145°	525.8	496.5	493.2	480.0	466.7
147.5°	537.5	514.0	510.7	497.9	485.0
150°	543.6	523.1	520.2	508.5	496.9
152.5°	547.5	529.1	526.9	518.0	509.2
155°	556.3	542.2	540.6	534.0	527.5
157.5°	565.0	555.3	553.7	547.4	541.0
160°	569.0	561.3	560.0	555.1	550.2
162.5°	573.2	567.7	566.7	563.0	559.2
165°	579.3	576.7	575.9	572.5	569.2
167.5°	584.1	582.0	581.6	580.0	578.3
170°	588.0	587.9	587.5	585.9	584.4
172.5°	588.3	588.3	588.2	587.9	587.5
175°	590.7	591.9	591.9	591.9	591.9
177.5°	591.0	591.9	591.9	591.9	591.9
180°	591.9	591.9	591.9	591.9	591.9



TEST NUMBER: P935202
 CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-4

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	11.63	12.41	12.66	13.45	14.85	14.42	15.21	15.46	16.25	17.65
	3H	12.10	12.80	13.14	13.85	15.27	15.75	16.46	16.80	17.50	18.92
	4H	12.29	12.95	13.34	14.00	15.43	16.19	16.85	17.24	17.90	19.33
	6H	12.40	13.01	13.47	14.07	15.51	16.46	17.07	17.53	18.13	19.57
	8H	12.40	12.98	13.47	14.05	15.49	16.53	17.11	17.60	18.18	19.62
	12H	12.37	12.92	13.44	13.99	15.44	16.56	17.11	17.64	18.18	19.64
4H	2H	12.64	13.31	13.71	14.36	15.79	14.83	15.49	15.89	16.54	17.97
	3H	13.66	14.22	14.73	15.29	16.73	16.31	16.87	17.39	17.95	19.39
	4H	13.93	14.44	15.01	15.51	16.97	16.83	17.34	17.91	18.41	19.87
	6H	14.06	14.49	15.14	15.58	17.04	17.19	17.62	18.27	18.71	20.17
	8H	14.06	14.47	15.15	15.55	17.02	17.29	17.69	18.37	18.78	20.25
	12H	14.02	14.39	15.13	15.49	16.97	17.33	17.70	18.44	18.80	20.28
8H	4H	14.38	14.78	15.46	15.87	17.34	16.95	17.36	18.04	18.44	19.91
	6H	14.64	14.97	15.74	16.10	17.57	17.38	17.71	18.48	18.84	20.31
	8H	14.68	14.97	15.79	16.08	17.57	17.52	17.82	18.64	18.93	20.41
	12H	14.66	14.92	15.78	16.02	17.55	17.61	17.87	18.73	18.98	20.50
12H	4H	14.38	14.75	15.48	15.85	17.32	16.91	17.28	18.02	18.38	19.86
	6H	14.69	14.99	15.81	16.10	17.59	17.37	17.67	18.49	18.78	20.27
	8H	14.76	15.02	15.87	16.12	17.65	17.53	17.78	18.64	18.89	20.42