

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: P933910

Luminaire Tested: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P933910
REPORT IS A COMBINATION OF REPORTS P933678 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

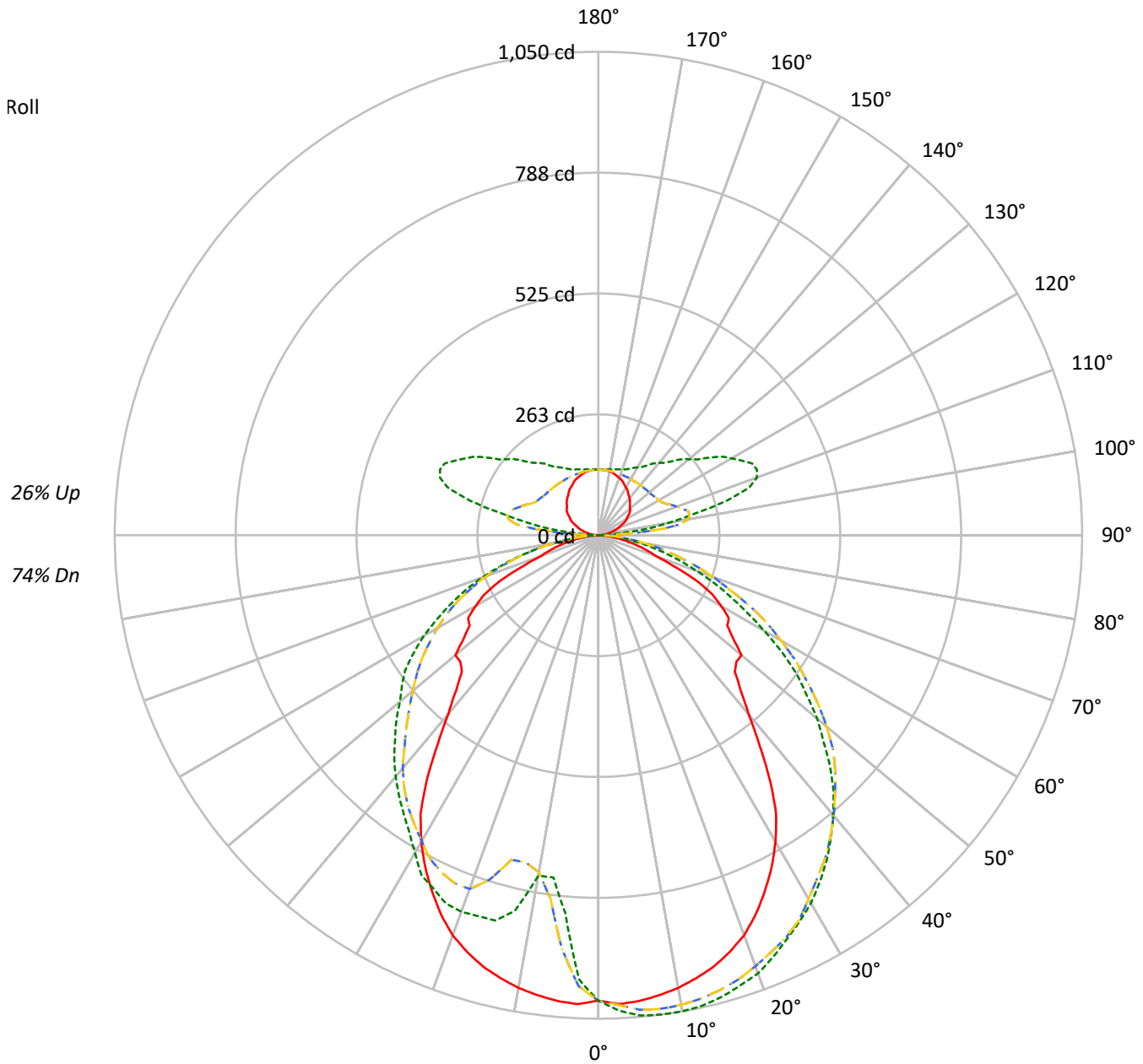
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3545.7 lumens
Efficiency: N/A
Efficacy: 118.2 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: Semi-Direct

Input Watts (W): 30
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: P933910
CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

Luminous Intensity Polar Plot



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



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74				
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	62				
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	61	58	56	52				
3	86	76	68	62	81	72	66	60	66	60	56	60	55	52	54	51	48	44				
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41	38				
5	72	60	52	45	68	57	50	44	52	46	41	48	43	38	43	39	36	33				
6	67	54	46	39	63	52	44	38	47	41	36	43	38	34	39	35	31	29				
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	36	31	28	26				
8	57	44	36	31	54	43	35	30	39	33	28	36	31	27	33	28	25	23				
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	26	23	21				
10	50	37	30	25	48	36	29	24	33	27	23	31	25	22	28	24	20	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9378	9378	9378	9378
5°	9437	9467	9437	7443
10°	9364	9326	9364	6667
15°	9252	9124	9252	7617
20°	9047	8883	9047	7634
25°	8641	8534	8641	7472
30°	8119	8244	8119	7116
35°	7228	7878	7228	6727
40°	6013	7446	6013	6432
45°	5362	6942	5362	6093
50°	5683	6339	5683	5752
55°	5333	5690	5333	5555
60°	5475	4833	5475	5088
65°	4941	3994	4941	4466
70°	3397	3183	3397	3742
75°	2948	2353	2948	2817
80°	2326	1555	2326	1694
85°	1267	823	1267	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8233 cd/sqm



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	2.6
10°-20°	259.0	7.3
20°-30°	400.4	11.3
30°-40°	478.0	13.5
40°-50°	480.8	13.6
50°-60°	418.4	11.8
60°-70°	296.6	8.4
70°-80°	156.9	4.4
80°-90°	39.6	1.1
90°-100°	69.5	2.0
100°-110°	182.8	5.2
110°-120°	189.6	5.3
120°-130°	152.1	4.3
130°-140°	119.3	3.4
140°-150°	91.6	2.6
150°-160°	65.9	1.9
160°-170°	40.3	1.1
170°-180°	13.6	0.4
0°-30°	750.6	21.2
0°-40°	1228.6	34.7
0°-60°	2127.8	60.0
0°-90°	2620.9	73.9
90°-120°	442.0	12.5
90°-150°	804.9	22.7
90°-180°	925.0	26.1
0°-180°	3545.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1011	1011	1011	1011	1011	
5°	1015	1047	1015	823	1015	96
15°	970	1038	970	866	970	273
25°	854	968	854	847	854	392
35°	649	863	649	737	649	402
45°	419	711	419	624	419	335
55°	341	525	341	512	341	314
65°	237	316	237	354	237	227
75°	90	150	90	180	90	94
85°	15	38	15	32	15	21
90°	1	4	1	4	1	1
95°	9	42	9	42	9	10
105°	33	286	33	286	33	35
115°	58	369	58	369	58	58
125°	81	294	81	294	81	72
135°	97	228	97	228	97	75
145°	112	185	112	185	112	70
155°	127	159	127	159	127	58
165°	137	148	137	148	137	39
175°	143	144	143	144	143	14
180°	143	143	143	143	143	



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	1019.2	1019.2	1025.0	1026.9	1026.9	1024.1	1021.2	1024.1	1032.7	1035.5	1034.6
5°	1015.4	1023.1	1033.6	1035.5	1037.5	1036.5	1034.6	1036.5	1046.1	1048.0	1048.9
7.5°	1007.7	1022.2	1035.5	1038.4	1041.3	1038.4	1037.5	1039.4	1048.9	1050.8	1050.8
10°	998.2	1018.2	1033.6	1035.5	1038.4	1035.5	1035.5	1039.4	1048.9	1050.8	1051.8
12.5°	984.8	1012.5	1026.9	1028.8	1032.7	1031.7	1030.8	1034.6	1044.1	1046.1	1046.1
15°	969.5	1002.0	1015.4	1017.3	1024.1	1022.2	1022.2	1026.0	1036.5	1039.4	1038.4
17.5°	948.4	988.6	1003.9	1006.8	1011.5	1010.6	1011.5	1015.4	1025.0	1026.9	1027.9
20°	924.5	970.4	988.6	991.5	996.2	996.2	996.2	1001.0	1010.6	1014.4	1014.4
22.5°	892.0	951.3	970.4	972.3	978.1	978.1	980.0	986.7	995.3	996.2	996.2
25°	853.8	930.3	946.5	952.3	958.0	960.9	963.7	967.6	970.4	969.5	970.4
27.5°	813.7	903.5	924.5	928.4	936.0	938.9	942.7	943.7	944.6	947.5	945.6
30°	768.7	866.2	897.8	901.6	914.0	915.9	912.1	914.0	918.8	920.7	922.6
32.5°	718.1	810.8	870.1	878.7	890.1	884.4	883.4	886.3	894.0	894.0	895.9
35°	649.2	767.8	844.2	851.9	860.5	853.8	857.6	858.6	863.4	866.2	865.3
37.5°	573.7	730.5	817.5	823.2	829.9	821.3	827.0	829.9	833.7	831.8	831.8
40°	506.8	672.2	785.9	789.8	795.5	788.8	794.5	796.4	798.4	796.4	795.5
42.5°	457.1	608.1	752.5	757.2	753.4	758.2	760.1	763.9	761.1	757.2	757.2
45°	418.8	590.9	716.1	721.9	716.1	723.8	726.7	726.7	718.1	716.1	715.2
47.5°	406.4	556.5	679.8	679.8	676.9	686.5	691.3	684.6	676.0	673.1	673.1
50°	405.4	518.2	630.1	626.3	639.7	651.1	646.4	639.7	633.0	622.5	622.5
52.5°	368.2	471.4	566.0	580.4	601.4	608.1	600.5	593.8	582.3	577.5	573.7
55°	341.4	422.6	507.7	536.4	558.4	567.0	552.7	546.0	528.8	525.9	524.0
57.5°	335.6	351.9	454.2	490.5	517.3	516.3	507.7	495.3	481.0	478.1	477.1
60°	307.8	254.3	396.8	439.9	467.6	464.7	457.1	445.6	432.2	430.3	428.4
62.5°	279.2	184.5	331.7	380.6	419.8	418.8	412.1	394.9	385.4	380.6	376.8
65°	237.1	154.9	236.1	316.4	372.9	374.8	360.5	348.1	337.5	331.7	330.8
67.5°	180.7	126.2	159.7	263.9	327.9	326.0	307.8	302.1	288.7	285.8	280.1
70°	133.8	84.1	110.9	214.1	283.9	279.2	264.8	258.1	245.7	239.0	235.2
72.5°	110.9	67.9	81.3	166.3	239.0	233.3	220.8	213.2	202.7	196.9	193.1
75°	89.9	71.7	62.1	123.3	194.1	190.2	178.8	171.1	162.5	154.9	155.8
77.5°	66.0	66.9	49.7	90.8	153.9	148.2	141.5	131.9	128.1	120.5	120.5
80°	49.7	52.6	37.3	62.1	110.9	110.9	105.2	98.5	91.8	88.0	88.0
82.5°	33.5	33.5	27.7	39.2	75.5	72.7	68.8	66.9	63.1	61.2	61.2
85°	15.3	19.1	17.2	23.9	41.1	43.0	43.0	41.1	40.2	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°	1.0	1.7	2.5	2.7	4.2	6.2	7.3	6.5	4.9	3.6	3.6
92.5°	3.8	10.3	16.8	18.5	26.0	36.0	41.0	35.9	25.8	18.2	17.4
95°	9.2	21.1	33.1	36.0	64.0	101.1	119.8	106.9	81.1	61.8	59.6
97.5°	15.9	26.4	36.9	39.6	86.1	148.2	179.2	171.1	154.8	142.5	138.3
100°	21.0	30.6	40.2	42.5	94.2	163.1	197.5	198.1	199.3	200.2	195.2
102.5°	25.4	34.3	43.3	45.5	97.9	167.8	202.7	213.1	233.8	249.4	245.1
105°	33.0	40.5	48.0	49.9	100.7	168.3	202.1	225.4	272.0	306.9	304.6
107.5°	40.6	47.6	54.7	56.4	101.1	160.8	190.6	223.1	288.0	336.8	337.4
110°	45.8	52.1	58.4	60.0	100.4	154.2	181.1	217.4	290.0	344.4	346.8



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	50.9	56.9	62.9	64.4	100.4	148.4	172.4	209.6	283.8	339.6	343.2
115°	58.5	64.1	69.6	71.0	101.3	141.8	161.9	197.7	269.3	322.9	328.0
117.5°	66.1	71.1	76.2	77.4	103.2	137.6	154.8	187.1	251.6	300.1	305.7
120°	70.5	75.2	80.0	81.2	104.7	136.1	151.8	181.4	240.4	284.7	290.1
122.5°	74.8	79.5	84.3	85.6	106.9	135.4	149.6	176.2	229.3	269.2	274.6
125°	81.4	85.8	90.2	91.3	109.9	134.8	147.2	169.8	215.0	248.8	253.8
127.5°	86.7	91.2	95.6	96.7	112.9	134.4	145.2	164.6	203.4	232.5	236.7
130°	89.6	94.4	99.1	100.4	115.1	134.7	144.5	161.8	196.3	222.2	226.0
132.5°	92.6	97.4	102.2	103.3	116.8	134.8	143.8	159.3	190.1	213.4	216.8
135°	97.0	101.3	105.7	106.8	118.7	134.7	142.6	155.5	181.4	200.9	203.8
137.5°	101.5	105.8	110.1	111.2	121.6	135.5	142.4	153.3	175.2	191.7	194.2
140°	105.3	109.2	113.2	114.1	123.3	135.7	141.8	151.2	170.2	184.3	186.6
142.5°	108.1	111.8	115.4	116.3	124.9	136.1	141.8	150.1	166.7	179.2	181.2
145°	112.5	115.7	118.9	119.7	126.8	136.1	140.8	147.6	161.2	171.4	172.9
147.5°	116.9	120.0	123.1	123.9	129.5	137.1	140.8	146.2	156.9	164.9	166.2
150°	119.8	122.6	125.4	126.1	131.0	137.6	140.8	145.3	154.4	161.2	162.1
152.5°	122.8	124.9	127.0	127.5	131.9	137.9	140.8	144.6	152.4	158.2	159.0
155°	127.1	128.7	130.3	130.7	134.0	138.5	140.8	143.9	150.1	154.7	155.2
157.5°	130.4	131.9	133.5	133.8	136.1	139.3	140.8	143.2	148.0	151.5	151.9
160°	132.6	133.7	135.0	135.3	137.1	139.6	140.8	142.8	146.9	150.0	150.2
162.5°	134.8	135.7	136.6	136.8	138.1	140.0	140.8	142.5	146.0	148.6	148.8
165°	137.2	138.0	138.8	139.0	139.6	140.4	140.8	142.1	144.5	146.4	146.6
167.5°	139.4	139.8	140.1	140.2	140.7	141.4	141.8	142.5	144.2	145.4	145.5
170°	140.8	141.2	141.6	141.7	141.7	141.8	141.8	142.5	144.2	145.4	145.4
172.5°	141.6	141.7	141.8	141.8	141.8	141.8	141.8	142.4	143.7	144.6	144.5
175°	142.6	142.6	142.6	142.6	142.3	142.0	141.8	142.2	143.0	143.6	143.6
177.5°	142.6	142.6	142.6	142.6	142.4	142.2	142.0	142.3	142.9	143.4	143.3
180°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6



TEST NUMBER: P933910
 CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	1036.5	1033.6	1036.5	1034.6	1035.5	1032.7	1024.1	1021.2	1024.1	1026.9	1026.9
5°	1048.9	1047.0	1048.9	1048.9	1048.0	1046.1	1036.5	1034.6	1036.5	1037.5	1035.5
7.5°	1052.7	1049.9	1052.7	1050.8	1050.8	1048.9	1039.4	1037.5	1038.4	1041.3	1038.4
10°	1052.7	1049.9	1052.7	1051.8	1050.8	1048.9	1039.4	1035.5	1035.5	1038.4	1035.5
12.5°	1048.0	1046.1	1048.0	1046.1	1046.1	1044.1	1034.6	1030.8	1031.7	1032.7	1028.8
15°	1040.3	1037.5	1040.3	1038.4	1039.4	1036.5	1026.0	1022.2	1022.2	1024.1	1017.3
17.5°	1028.8	1025.0	1028.8	1027.9	1026.9	1025.0	1015.4	1011.5	1010.6	1011.5	1006.8
20°	1015.4	1012.5	1015.4	1014.4	1014.4	1010.6	1001.0	996.2	996.2	996.2	991.5
22.5°	994.3	991.5	994.3	996.2	996.2	995.3	986.7	980.0	978.1	978.1	972.3
25°	970.4	967.6	970.4	970.4	969.5	970.4	967.6	963.7	960.9	958.0	952.3
27.5°	947.5	945.6	947.5	945.6	947.5	944.6	943.7	942.7	938.9	936.0	928.4
30°	924.5	922.6	924.5	922.6	920.7	918.8	914.0	912.1	915.9	914.0	901.6
32.5°	895.9	894.0	895.9	895.9	894.0	894.0	886.3	883.4	884.4	890.1	878.7
35°	866.2	863.4	866.2	865.3	866.2	863.4	858.6	857.6	853.8	860.5	851.9
37.5°	831.8	828.9	831.8	831.8	831.8	833.7	829.9	827.0	821.3	829.9	823.2
40°	796.4	792.6	796.4	795.5	796.4	798.4	796.4	794.5	788.8	795.5	789.8
42.5°	756.3	755.3	756.3	757.2	757.2	761.1	763.9	760.1	758.2	753.4	757.2
45°	713.3	711.4	713.3	715.2	716.1	718.1	726.7	726.7	723.8	716.1	721.9
47.5°	667.4	662.6	667.4	673.1	673.1	676.0	684.6	691.3	686.5	676.9	679.8
50°	618.6	619.6	618.6	622.5	622.5	633.0	639.7	646.4	651.1	639.7	626.3
52.5°	570.8	569.9	570.8	573.7	577.5	582.3	593.8	600.5	608.1	601.4	580.4
55°	523.0	524.9	523.0	524.0	525.9	528.8	546.0	552.7	567.0	558.4	536.4
57.5°	475.2	472.4	475.2	477.1	478.1	481.0	495.3	507.7	516.3	517.3	490.5
60°	419.8	416.0	419.8	428.4	430.3	432.2	445.6	457.1	464.7	467.6	439.9
62.5°	371.0	364.3	371.0	376.8	380.6	385.4	394.9	412.1	418.8	419.8	380.6
65°	319.3	316.4	319.3	330.8	331.7	337.5	348.1	360.5	374.8	372.9	316.4
67.5°	272.5	272.5	272.5	280.1	285.8	288.7	302.1	307.8	326.0	327.9	263.9
70°	229.4	228.5	229.4	235.2	239.0	245.7	258.1	264.8	279.2	283.9	214.1
72.5°	188.3	187.4	188.3	193.1	196.9	202.7	213.2	220.8	233.3	239.0	166.3
75°	152.0	150.1	152.0	155.8	154.9	162.5	171.1	178.8	190.2	194.1	123.3
77.5°	116.6	116.6	116.6	120.5	120.5	128.1	131.9	141.5	148.2	153.9	90.8
80°	87.0	86.0	87.0	88.0	88.0	91.8	98.5	105.2	110.9	110.9	62.1
82.5°	61.2	59.3	61.2	61.2	61.2	63.1	66.9	68.8	72.7	75.5	39.2
85°	38.2	38.2	38.2	39.2	38.2	40.2	41.1	43.0	43.0	41.1	23.9
87.5°	24.9	23.9	24.9	23.9	23.9	22.9	22.9	22.9	22.0	21.0	13.4
90°	3.6	3.6	3.6	3.6	3.6	4.9	6.5	7.3	6.2	4.2	2.7
92.5°	14.5	11.7	14.5	17.4	18.2	25.8	35.9	41.0	36.0	26.0	18.5
95°	50.9	42.1	50.9	59.6	61.8	81.1	106.9	119.8	101.1	64.0	36.0
97.5°	121.7	105.1	121.7	138.3	142.5	154.8	171.1	179.2	148.2	86.1	39.6
100°	175.4	155.5	175.4	195.2	200.2	199.3	198.1	197.5	163.1	94.2	42.5
102.5°	228.1	211.1	228.1	245.1	249.4	233.8	213.1	202.7	167.8	97.9	45.5
105°	295.5	286.3	295.5	304.6	306.9	272.0	225.4	202.1	168.3	100.7	49.9
107.5°	339.6	341.8	339.6	337.4	336.8	288.0	223.1	190.6	160.8	101.1	56.4
110°	356.3	365.9	356.3	346.8	344.4	290.0	217.4	181.1	154.2	100.4	60.0



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	357.8	372.5	357.8	343.2	339.6	283.8	209.6	172.4	148.4	100.4	64.4
115°	348.4	368.6	348.4	328.0	322.9	269.3	197.7	161.9	141.8	101.3	71.0
117.5°	328.2	350.8	328.2	305.7	300.1	251.6	187.1	154.8	137.6	103.2	77.4
120°	312.0	333.8	312.0	290.1	284.7	240.4	181.4	151.8	136.1	104.7	81.2
122.5°	296.2	317.8	296.2	274.6	269.2	229.3	176.2	149.6	135.4	106.9	85.6
125°	273.7	293.6	273.7	253.8	248.8	215.0	169.8	147.2	134.8	109.9	91.3
127.5°	253.4	270.2	253.4	236.7	232.5	203.4	164.6	145.2	134.4	112.9	96.7
130°	241.5	257.0	241.5	226.0	222.2	196.3	161.8	144.5	134.7	115.1	100.4
132.5°	230.7	244.5	230.7	216.8	213.4	190.1	159.3	143.8	134.8	116.8	103.3
135°	215.9	227.8	215.9	203.8	200.9	181.4	155.5	142.6	134.7	118.7	106.8
137.5°	203.9	213.8	203.9	194.2	191.7	175.2	153.3	142.4	135.5	121.6	111.2
140°	195.7	204.9	195.7	186.6	184.3	170.2	151.2	141.8	135.7	123.3	114.1
142.5°	189.0	196.8	189.0	181.2	179.2	166.7	150.1	141.8	136.1	124.9	116.3
145°	178.9	184.8	178.9	172.9	171.4	161.2	147.6	140.8	136.1	126.8	119.7
147.5°	171.0	176.0	171.0	166.2	164.9	156.9	146.2	140.8	137.1	129.5	123.9
150°	166.2	170.2	166.2	162.1	161.2	154.4	145.3	140.8	137.6	131.0	126.1
152.5°	161.9	165.0	161.9	159.0	158.2	152.4	144.6	140.8	137.9	131.9	127.5
155°	157.2	159.2	157.2	155.2	154.7	150.1	143.9	140.8	138.5	134.0	130.7
157.5°	153.3	154.8	153.3	151.9	151.5	148.0	143.2	140.8	139.3	136.1	133.8
160°	151.0	151.8	151.0	150.2	150.0	146.9	142.8	140.8	139.6	137.1	135.3
162.5°	149.5	150.3	149.5	148.8	148.6	146.0	142.5	140.8	140.0	138.1	136.8
165°	147.4	148.2	147.4	146.6	146.4	144.5	142.1	140.8	140.4	139.6	139.0
167.5°	145.8	146.2	145.8	145.5	145.4	144.2	142.5	141.8	141.4	140.7	140.2
170°	145.4	145.4	145.4	145.4	145.4	144.2	142.5	141.8	141.8	141.7	141.7
172.5°	144.3	144.0	144.3	144.5	144.6	143.7	142.4	141.8	141.8	141.8	141.8
175°	143.6	143.6	143.6	143.6	143.6	143.0	142.2	141.8	142.0	142.3	142.6
177.5°	143.0	142.6	143.0	143.3	143.4	142.9	142.3	142.0	142.2	142.4	142.6
180°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	1025.0	1019.2	1019.2	1009.6	1005.8	1002.9	998.2	983.8	980.0	976.2	981.9
5°	1033.6	1023.1	1015.4	998.2	983.8	978.1	959.9	925.5	902.6	885.4	875.8
7.5°	1035.5	1022.2	1007.7	981.0	946.5	931.2	875.8	812.7	795.5	780.2	770.6
10°	1033.6	1018.2	998.2	958.0	876.7	850.0	794.5	753.4	742.9	740.0	742.9
12.5°	1026.9	1012.5	984.8	917.9	804.1	785.9	753.4	729.5	727.6	732.4	758.2
15°	1015.4	1002.0	969.5	864.3	763.9	750.6	727.6	719.0	729.5	763.0	840.4
17.5°	1003.9	988.6	948.4	811.7	733.3	723.8	707.5	724.7	784.0	828.9	854.8
20°	988.6	970.4	924.5	773.5	711.4	702.8	695.1	772.5	817.5	833.7	848.1
22.5°	970.4	951.3	892.0	746.7	688.4	681.7	686.5	799.3	817.5	828.9	841.4
25°	946.5	930.3	853.8	725.7	670.3	662.6	680.8	796.4	807.0	809.8	834.7
27.5°	924.5	903.5	813.7	706.6	648.3	645.4	685.5	784.0	791.7	794.5	821.3
30°	897.8	866.2	768.7	686.5	625.3	624.4	686.5	768.7	766.8	774.5	801.2
32.5°	870.1	810.8	718.1	661.6	603.3	602.4	679.8	745.8	743.9	754.4	774.5
35°	844.2	767.8	649.2	633.0	575.6	576.6	663.6	719.0	720.0	729.5	742.0
37.5°	817.5	730.5	573.7	601.4	548.8	548.8	641.6	694.2	692.2	695.1	712.3
40°	785.9	672.2	506.8	560.3	524.0	521.1	614.8	667.4	660.7	659.7	683.6
42.5°	752.5	608.1	457.1	505.8	495.3	491.5	582.3	634.9	622.5	625.3	655.9
45°	716.1	590.9	418.8	427.4	465.7	462.8	546.9	597.6	589.0	596.6	628.2
47.5°	679.8	556.5	406.4	354.8	434.1	433.2	507.7	561.3	556.5	564.1	597.6
50°	630.1	518.2	405.4	304.0	398.7	402.6	460.9	525.9	525.9	532.6	568.0
52.5°	566.0	471.4	368.2	275.3	357.6	369.1	419.8	495.3	497.2	503.9	535.5
55°	507.7	422.6	341.4	253.3	308.8	333.6	379.6	463.8	467.6	474.3	503.0
57.5°	454.2	351.9	335.6	227.5	263.9	287.8	344.3	433.2	435.1	440.8	468.5
60°	396.8	254.3	307.8	199.8	224.7	242.8	311.7	396.8	403.5	407.4	431.3
62.5°	331.7	184.5	279.2	180.7	205.5	209.4	284.9	362.4	371.0	373.9	388.2
65°	236.1	154.9	237.1	164.4	185.5	186.4	256.2	327.0	334.6	339.4	350.0
67.5°	159.7	126.2	180.7	149.1	170.2	171.1	228.5	285.8	296.4	300.2	306.9
70°	110.9	84.1	133.8	132.9	153.0	154.9	198.8	248.6	258.1	261.0	264.8
72.5°	81.3	67.9	110.9	119.5	134.8	136.7	168.3	206.5	216.1	218.9	220.8
75°	62.1	71.7	89.9	104.2	114.7	115.7	137.7	168.3	174.9	176.9	177.8
77.5°	49.7	66.9	66.0	84.1	93.7	91.8	108.0	130.0	135.8	135.8	135.8
80°	37.3	52.6	49.7	60.2	68.8	66.9	77.4	92.7	94.6	96.6	95.6
82.5°	27.7	33.5	33.5	38.2	45.9	44.0	51.6	60.2	60.2	60.2	62.1
85°	17.2	19.1	15.3	20.1	25.8	24.9	28.7	32.5	33.5	33.5	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°	2.5	1.7	1.0	1.7	2.5	2.7	4.2	6.2	7.3	6.5	4.9
92.5°	16.8	10.3	3.8	10.3	16.8	18.5	26.0	36.0	41.0	35.9	25.8
95°	33.1	21.1	9.2	21.1	33.1	36.0	64.0	101.1	119.8	106.9	81.1
97.5°	36.9	26.4	15.9	26.4	36.9	39.6	86.1	148.2	179.2	171.1	154.8
100°	40.2	30.6	21.0	30.6	40.2	42.5	94.2	163.1	197.5	198.1	199.3
102.5°	43.3	34.3	25.4	34.3	43.3	45.5	97.9	167.8	202.7	213.1	233.8
105°	48.0	40.5	33.0	40.5	48.0	49.9	100.7	168.3	202.1	225.4	272.0
107.5°	54.7	47.6	40.6	47.6	54.7	56.4	101.1	160.8	190.6	223.1	288.0
110°	58.4	52.1	45.8	52.1	58.4	60.0	100.4	154.2	181.1	217.4	290.0



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	62.9	56.9	50.9	56.9	62.9	64.4	100.4	148.4	172.4	209.6	283.8
115°	69.6	64.1	58.5	64.1	69.6	71.0	101.3	141.8	161.9	197.7	269.3
117.5°	76.2	71.1	66.1	71.1	76.2	77.4	103.2	137.6	154.8	187.1	251.6
120°	80.0	75.2	70.5	75.2	80.0	81.2	104.7	136.1	151.8	181.4	240.4
122.5°	84.3	79.5	74.8	79.5	84.3	85.6	106.9	135.4	149.6	176.2	229.3
125°	90.2	85.8	81.4	85.8	90.2	91.3	109.9	134.8	147.2	169.8	215.0
127.5°	95.6	91.2	86.7	91.2	95.6	96.7	112.9	134.4	145.2	164.6	203.4
130°	99.1	94.4	89.6	94.4	99.1	100.4	115.1	134.7	144.5	161.8	196.3
132.5°	102.2	97.4	92.6	97.4	102.2	103.3	116.8	134.8	143.8	159.3	190.1
135°	105.7	101.3	97.0	101.3	105.7	106.8	118.7	134.7	142.6	155.5	181.4
137.5°	110.1	105.8	101.5	105.8	110.1	111.2	121.6	135.5	142.4	153.3	175.2
140°	113.2	109.2	105.3	109.2	113.2	114.1	123.3	135.7	141.8	151.2	170.2
142.5°	115.4	111.8	108.1	111.8	115.4	116.3	124.9	136.1	141.8	150.1	166.7
145°	118.9	115.7	112.5	115.7	118.9	119.7	126.8	136.1	140.8	147.6	161.2
147.5°	123.1	120.0	116.9	120.0	123.1	123.9	129.5	137.1	140.8	146.2	156.9
150°	125.4	122.6	119.8	122.6	125.4	126.1	131.0	137.6	140.8	145.3	154.4
152.5°	127.0	124.9	122.8	124.9	127.0	127.5	131.9	137.9	140.8	144.6	152.4
155°	130.3	128.7	127.1	128.7	130.3	130.7	134.0	138.5	140.8	143.9	150.1
157.5°	133.5	131.9	130.4	131.9	133.5	133.8	136.1	139.3	140.8	143.2	148.0
160°	135.0	133.7	132.6	133.7	135.0	135.3	137.1	139.6	140.8	142.8	146.9
162.5°	136.6	135.7	134.8	135.7	136.6	136.8	138.1	140.0	140.8	142.5	146.0
165°	138.8	138.0	137.2	138.0	138.8	139.0	139.6	140.4	140.8	142.1	144.5
167.5°	140.1	139.8	139.4	139.8	140.1	140.2	140.7	141.4	141.8	142.5	144.2
170°	141.6	141.2	140.8	141.2	141.6	141.7	141.7	141.8	141.8	142.5	144.2
172.5°	141.8	141.7	141.6	141.7	141.8	141.8	141.8	141.8	141.8	142.4	143.7
175°	142.6	142.6	142.6	142.6	142.6	142.6	142.3	142.0	141.8	142.2	143.0
177.5°	142.6	142.6	142.6	142.6	142.6	142.6	142.4	142.2	142.0	142.3	142.9
180°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	975.2	972.3	976.2	965.7	976.2	972.3	975.2	981.9	976.2	980.0	983.8
5°	855.7	850.9	835.6	823.2	835.6	850.9	855.7	875.8	885.4	902.6	925.5
7.5°	764.9	761.1	757.2	749.6	757.2	761.1	764.9	770.6	780.2	795.5	812.7
10°	744.8	745.8	751.5	750.6	751.5	745.8	744.8	742.9	740.0	742.9	753.4
12.5°	796.4	805.0	836.6	834.7	836.6	805.0	796.4	758.2	732.4	727.6	729.5
15°	855.7	858.6	865.3	866.2	865.3	858.6	855.7	840.4	763.0	729.5	719.0
17.5°	861.5	862.4	867.2	867.2	867.2	862.4	861.5	854.8	828.9	784.0	724.7
20°	856.7	858.6	868.1	870.1	868.1	858.6	856.7	848.1	833.7	817.5	772.5
22.5°	854.8	858.6	866.2	865.3	866.2	858.6	854.8	841.4	828.9	817.5	799.3
25°	845.2	845.2	846.2	847.1	846.2	845.2	845.2	834.7	809.8	807.0	796.4
27.5°	825.1	827.0	832.8	831.8	832.8	827.0	825.1	821.3	794.5	791.7	784.0
30°	807.0	805.0	800.3	796.4	800.3	805.0	807.0	801.2	774.5	766.8	768.7
32.5°	776.4	771.6	766.8	763.9	766.8	771.6	776.4	774.5	754.4	743.9	745.8
35°	740.0	741.0	740.0	737.2	740.0	741.0	740.0	742.0	729.5	720.0	719.0
37.5°	714.2	716.1	715.2	711.4	715.2	716.1	714.2	712.3	695.1	692.2	694.2
40°	687.5	688.4	687.5	684.6	687.5	688.4	687.5	683.6	659.7	660.7	667.4
42.5°	661.6	660.7	657.8	655.9	657.8	660.7	661.6	655.9	625.3	622.5	634.9
45°	632.0	633.0	627.2	624.4	627.2	633.0	632.0	628.2	596.6	589.0	597.6
47.5°	602.4	602.4	597.6	594.7	597.6	602.4	602.4	597.6	564.1	556.5	561.3
50°	570.8	569.9	563.2	562.2	563.2	569.9	570.8	568.0	532.6	525.9	525.9
52.5°	534.5	534.5	535.5	537.4	535.5	534.5	534.5	535.5	503.9	497.2	495.3
55°	503.0	503.9	510.6	512.5	510.6	503.9	503.0	503.0	474.3	467.6	463.8
57.5°	470.4	470.4	475.2	475.2	475.2	470.4	470.4	468.5	440.8	435.1	433.2
60°	433.2	435.1	438.9	437.9	438.9	435.1	433.2	431.3	407.4	403.5	396.8
62.5°	394.0	395.9	396.8	394.9	396.8	395.9	394.0	388.2	373.9	371.0	362.4
65°	352.9	354.8	355.7	353.8	355.7	354.8	352.9	350.0	339.4	334.6	327.0
67.5°	310.7	309.7	308.8	312.6	308.8	309.7	310.7	306.9	300.2	296.4	285.8
70°	267.7	267.7	266.7	268.6	266.7	267.7	267.7	264.8	261.0	258.1	248.6
72.5°	221.8	220.8	224.7	221.8	224.7	220.8	221.8	220.8	218.9	216.1	206.5
75°	176.9	178.8	176.9	179.7	176.9	178.8	176.9	177.8	176.9	174.9	168.3
77.5°	134.8	136.7	134.8	134.8	134.8	136.7	134.8	135.8	135.8	135.8	130.0
80°	95.6	94.6	94.6	93.7	94.6	94.6	95.6	95.6	96.6	94.6	92.7
82.5°	61.2	60.2	60.2	62.1	60.2	60.2	61.2	62.1	60.2	60.2	60.2
85°	33.5	34.4	32.5	32.5	32.5	34.4	33.5	31.5	33.5	33.5	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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.9	6.5	7.3	6.2
92.5°	18.2	17.4	14.5	11.7	14.5	17.4	18.2	25.8	35.9	41.0	36.0
95°	61.8	59.6	50.9	42.1	50.9	59.6	61.8	81.1	106.9	119.8	101.1
97.5°	142.5	138.3	121.7	105.1	121.7	138.3	142.5	154.8	171.1	179.2	148.2
100°	200.2	195.2	175.4	155.5	175.4	195.2	200.2	199.3	198.1	197.5	163.1
102.5°	249.4	245.1	228.1	211.1	228.1	245.1	249.4	233.8	213.1	202.7	167.8
105°	306.9	304.6	295.5	286.3	295.5	304.6	306.9	272.0	225.4	202.1	168.3
107.5°	336.8	337.4	339.6	341.8	339.6	337.4	336.8	288.0	223.1	190.6	160.8
110°	344.4	346.8	356.3	365.9	356.3	346.8	344.4	290.0	217.4	181.1	154.2



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	339.6	343.2	357.8	372.5	357.8	343.2	339.6	283.8	209.6	172.4	148.4
115°	322.9	328.0	348.4	368.6	348.4	328.0	322.9	269.3	197.7	161.9	141.8
117.5°	300.1	305.7	328.2	350.8	328.2	305.7	300.1	251.6	187.1	154.8	137.6
120°	284.7	290.1	312.0	333.8	312.0	290.1	284.7	240.4	181.4	151.8	136.1
122.5°	269.2	274.6	296.2	317.8	296.2	274.6	269.2	229.3	176.2	149.6	135.4
125°	248.8	253.8	273.7	293.6	273.7	253.8	248.8	215.0	169.8	147.2	134.8
127.5°	232.5	236.7	253.4	270.2	253.4	236.7	232.5	203.4	164.6	145.2	134.4
130°	222.2	226.0	241.5	257.0	241.5	226.0	222.2	196.3	161.8	144.5	134.7
132.5°	213.4	216.8	230.7	244.5	230.7	216.8	213.4	190.1	159.3	143.8	134.8
135°	200.9	203.8	215.9	227.8	215.9	203.8	200.9	181.4	155.5	142.6	134.7
137.5°	191.7	194.2	203.9	213.8	203.9	194.2	191.7	175.2	153.3	142.4	135.5
140°	184.3	186.6	195.7	204.9	195.7	186.6	184.3	170.2	151.2	141.8	135.7
142.5°	179.2	181.2	189.0	196.8	189.0	181.2	179.2	166.7	150.1	141.8	136.1
145°	171.4	172.9	178.9	184.8	178.9	172.9	171.4	161.2	147.6	140.8	136.1
147.5°	164.9	166.2	171.0	176.0	171.0	166.2	164.9	156.9	146.2	140.8	137.1
150°	161.2	162.1	166.2	170.2	166.2	162.1	161.2	154.4	145.3	140.8	137.6
152.5°	158.2	159.0	161.9	165.0	161.9	159.0	158.2	152.4	144.6	140.8	137.9
155°	154.7	155.2	157.2	159.2	157.2	155.2	154.7	150.1	143.9	140.8	138.5
157.5°	151.5	151.9	153.3	154.8	153.3	151.9	151.5	148.0	143.2	140.8	139.3
160°	150.0	150.2	151.0	151.8	151.0	150.2	150.0	146.9	142.8	140.8	139.6
162.5°	148.6	148.8	149.5	150.3	149.5	148.8	148.6	146.0	142.5	140.8	140.0
165°	146.4	146.6	147.4	148.2	147.4	146.6	146.4	144.5	142.1	140.8	140.4
167.5°	145.4	145.5	145.8	146.2	145.8	145.5	145.4	144.2	142.5	141.8	141.4
170°	145.4	145.4	145.4	145.4	145.4	145.4	145.4	144.2	142.5	141.8	141.8
172.5°	144.6	144.5	144.3	144.0	144.3	144.5	144.6	143.7	142.4	141.8	141.8
175°	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.0	142.2	141.8	142.0
177.5°	143.4	143.3	143.0	142.6	143.0	143.3	143.4	142.9	142.3	142.0	142.2
180°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	998.2	1002.9	1005.8	1009.6	1019.2
5°	959.9	978.1	983.8	998.2	1015.4
7.5°	875.8	931.2	946.5	981.0	1007.7
10°	794.5	850.0	876.7	958.0	998.2
12.5°	753.4	785.9	804.1	917.9	984.8
15°	727.6	750.6	763.9	864.3	969.5
17.5°	707.5	723.8	733.3	811.7	948.4
20°	695.1	702.8	711.4	773.5	924.5
22.5°	686.5	681.7	688.4	746.7	892.0
25°	680.8	662.6	670.3	725.7	853.8
27.5°	685.5	645.4	648.3	706.6	813.7
30°	686.5	624.4	625.3	686.5	768.7
32.5°	679.8	602.4	603.3	661.6	718.1
35°	663.6	576.6	575.6	633.0	649.2
37.5°	641.6	548.8	548.8	601.4	573.7
40°	614.8	521.1	524.0	560.3	506.8
42.5°	582.3	491.5	495.3	505.8	457.1
45°	546.9	462.8	465.7	427.4	418.8
47.5°	507.7	433.2	434.1	354.8	406.4
50°	460.9	402.6	398.7	304.0	405.4
52.5°	419.8	369.1	357.6	275.3	368.2
55°	379.6	333.6	308.8	253.3	341.4
57.5°	344.3	287.8	263.9	227.5	335.6
60°	311.7	242.8	224.7	199.8	307.8
62.5°	284.9	209.4	205.5	180.7	279.2
65°	256.2	186.4	185.5	164.4	237.1
67.5°	228.5	171.1	170.2	149.1	180.7
70°	198.8	154.9	153.0	132.9	133.8
72.5°	168.3	136.7	134.8	119.5	110.9
75°	137.7	115.7	114.7	104.2	89.9
77.5°	108.0	91.8	93.7	84.1	66.0
80°	77.4	66.9	68.8	60.2	49.7
82.5°	51.6	44.0	45.9	38.2	33.5
85°	28.7	24.9	25.8	20.1	15.3
87.5°	13.4	11.5	11.5	7.6	4.8
90°	4.2	2.7	2.5	1.7	1.0
92.5°	26.0	18.5	16.8	10.3	3.8
95°	64.0	36.0	33.1	21.1	9.2
97.5°	86.1	39.6	36.9	26.4	15.9
100°	94.2	42.5	40.2	30.6	21.0
102.5°	97.9	45.5	43.3	34.3	25.4
105°	100.7	49.9	48.0	40.5	33.0
107.5°	101.1	56.4	54.7	47.6	40.6
110°	100.4	60.0	58.4	52.1	45.8



TEST NUMBER: P933910

CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	100.4	64.4	62.9	56.9	50.9
115°	101.3	71.0	69.6	64.1	58.5
117.5°	103.2	77.4	76.2	71.1	66.1
120°	104.7	81.2	80.0	75.2	70.5
122.5°	106.9	85.6	84.3	79.5	74.8
125°	109.9	91.3	90.2	85.8	81.4
127.5°	112.9	96.7	95.6	91.2	86.7
130°	115.1	100.4	99.1	94.4	89.6
132.5°	116.8	103.3	102.2	97.4	92.6
135°	118.7	106.8	105.7	101.3	97.0
137.5°	121.6	111.2	110.1	105.8	101.5
140°	123.3	114.1	113.2	109.2	105.3
142.5°	124.9	116.3	115.4	111.8	108.1
145°	126.8	119.7	118.9	115.7	112.5
147.5°	129.5	123.9	123.1	120.0	116.9
150°	131.0	126.1	125.4	122.6	119.8
152.5°	131.9	127.5	127.0	124.9	122.8
155°	134.0	130.7	130.3	128.7	127.1
157.5°	136.1	133.8	133.5	131.9	130.4
160°	137.1	135.3	135.0	133.7	132.6
162.5°	138.1	136.8	136.6	135.7	134.8
165°	139.6	139.0	138.8	138.0	137.2
167.5°	140.7	140.2	140.1	139.8	139.4
170°	141.7	141.7	141.6	141.2	140.8
172.5°	141.8	141.8	141.8	141.7	141.6
175°	142.3	142.6	142.6	142.6	142.6
177.5°	142.4	142.6	142.6	142.6	142.6
180°	142.6	142.6	142.6	142.6	142.6



TEST NUMBER: P933910
 CATALOG NUMBER: SQ4-FA-025U-075D-830-1D-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	14.54	15.66	15.26	16.40	17.29	17.33	18.46	18.05	19.20	20.08
	3H	15.03	16.04	15.77	16.80	17.71	18.69	19.70	19.42	20.45	21.37
	4H	15.24	16.19	15.99	16.95	17.88	19.14	20.09	19.89	20.85	21.78
	6H	15.37	16.25	16.13	17.02	17.96	19.43	20.31	20.19	21.08	22.02
	8H	15.38	16.22	16.15	17.01	17.95	19.51	20.35	20.28	21.14	22.08
	12H	15.36	16.16	16.14	16.94	17.91	19.55	20.35	20.33	21.13	22.10
4H	2H	15.59	16.55	16.35	17.31	18.24	17.78	18.73	18.53	19.49	20.42
	3H	16.64	17.44	17.41	18.24	19.18	19.30	20.09	20.07	20.89	21.83
	4H	16.93	17.65	17.71	18.45	19.42	19.83	20.55	20.61	21.35	22.32
	6H	17.07	17.70	17.87	18.52	19.50	20.20	20.83	21.00	21.65	22.63
	8H	17.08	17.67	17.89	18.48	19.48	20.31	20.89	21.11	21.71	22.70
	12H	17.06	17.59	17.89	18.43	19.42	20.37	20.90	21.20	21.74	22.74
8H	4H	17.40	17.99	18.21	18.80	19.79	19.97	20.56	20.78	21.38	22.37
	6H	17.67	18.16	18.51	19.02	20.01	20.41	20.90	21.25	21.76	22.75
	8H	17.72	18.15	18.56	19.00	20.01	20.56	20.99	21.41	21.85	22.86
	12H	17.71	18.09	18.56	18.94	20.01	20.67	21.05	21.52	21.89	22.96
12H	4H	17.42	17.94	18.24	18.78	19.78	19.95	20.48	20.78	21.32	22.31
	6H	17.73	18.17	18.58	19.02	20.03	20.41	20.84	21.26	21.70	22.71
	8H	17.81	18.19	18.66	19.04	20.10	20.58	20.96	21.43	21.81	22.87