

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: P935451

Luminaire Tested: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935451
REPORT IS A COMBINATION OF REPORTS P933755 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

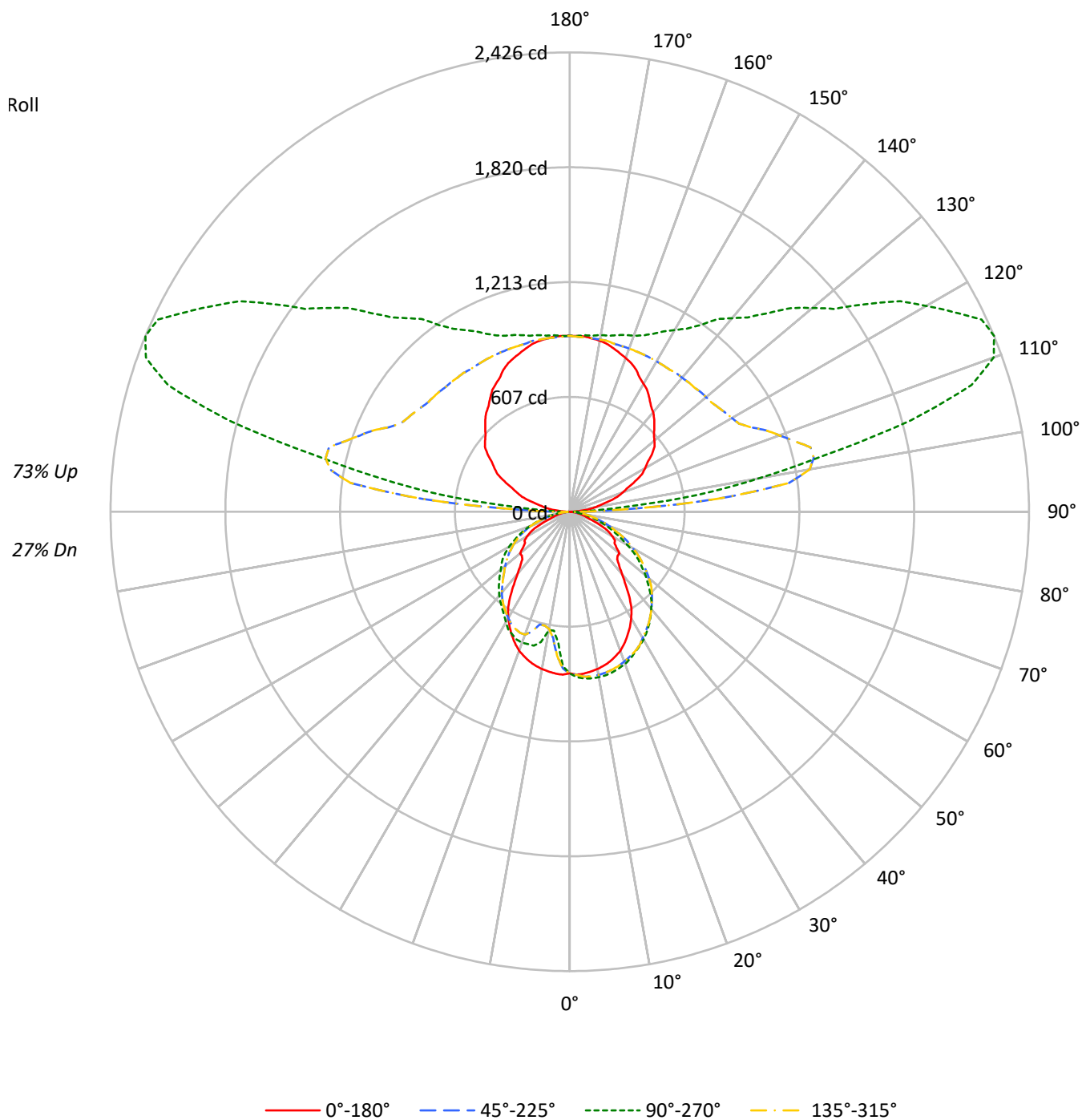
Lumens per Lamp: N/A
Luminaire Lumens: 8241.1 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 71.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

Luminous Intensity Polar Plot



TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5282	5282	5282	5282
5°	5319	5332	5319	4192
10°	5282	5252	5282	3755
15°	5223	5139	5223	4291
20°	5112	5003	5112	4300
25°	4885	4807	4885	4208
30°	4595	4644	4595	4009
35°	4094	4437	4094	3789
40°	3410	4194	3410	3623
45°	3044	3910	3044	3432
50°	3232	3571	3232	3240
55°	3038	3205	3038	3129
60°	3128	2722	3128	2865
65°	2831	2250	2831	2515
70°	1956	1793	1956	2108
75°	1710	1325	1710	1587
80°	1367	876	1367	955
85°	769	464	769	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 4670 cd/sqm

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	0.9
10°-20°	218.8	2.7
20°-30°	338.3	4.1
30°-40°	403.8	4.9
40°-50°	406.2	4.9
50°-60°	353.4	4.3
60°-70°	250.6	3.0
70°-80°	132.6	1.6
80°-90°	36.6	0.4
90°-100°	452.9	5.5
100°-110°	1190.8	14.4
110°-120°	1234.8	15.0
120°-130°	990.4	12.0
130°-140°	777.1	9.4
140°-150°	596.5	7.2
150°-160°	429.6	5.2
160°-170°	262.8	3.2
170°-180°	88.8	1.1
0°-30°	634.2	7.7
0°-40°	1038.0	12.6
0°-60°	1797.7	21.8
0°-90°	2217.4	26.9
90°-120°	2878.5	34.9
90°-150°	5242.5	63.6
90°-180°	6024.0	73.1
0°-180°	8241.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	854	854	854	854	854	
5°	858	884	858	696	858	81
15°	819	876	819	732	819	230
25°	721	818	721	716	721	331
35°	548	729	548	623	548	339
45°	354	601	354	528	354	283
55°	288	444	288	433	288	265
65°	200	267	200	299	200	191
75°	76	127	76	152	76	80
85°	13	32	13	28	13	17
90°	6	24	6	24	6	6
95°	60	274	60	274	60	66
105°	215	1865	215	1865	215	227
115°	381	2401	381	2401	381	376
125°	530	1912	530	1912	530	471
135°	632	1484	632	1484	632	489
145°	733	1204	733	1204	733	459
155°	828	1036	828	1036	828	381
165°	894	965	894	965	894	252
175°	929	936	929	936	929	88
180°	929	929	929	929	929	

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	861.1	861.1	866.0	867.6	867.6	865.2	862.7	865.2	872.5	874.9	874.1
5°	857.8	864.3	873.3	874.9	876.5	875.7	874.1	875.7	883.7	885.4	886.2
7.5°	851.4	863.5	874.9	877.3	879.7	877.3	876.5	878.1	886.2	887.8	887.8
10°	843.3	860.3	873.3	874.9	877.3	874.9	874.9	878.1	886.2	887.8	888.6
12.5°	832.1	855.4	867.6	869.2	872.5	871.7	870.8	874.1	882.1	883.7	883.7
15°	819.1	846.6	857.8	859.5	865.2	863.5	863.5	866.8	875.7	878.1	877.3
17.5°	801.3	835.3	848.2	850.6	854.6	853.8	854.6	857.8	866.0	867.6	868.4
20°	781.2	819.9	835.3	837.7	841.7	841.7	841.7	845.8	853.8	857.0	857.0
22.5°	753.7	803.7	819.9	821.5	826.4	826.4	828.0	833.7	840.9	841.7	841.7
25°	721.3	786.0	799.7	804.6	809.4	811.8	814.2	817.5	819.9	819.1	819.9
27.5°	687.4	763.3	781.2	784.4	790.9	793.3	796.5	797.3	798.1	800.5	798.9
30°	649.5	731.9	758.5	761.7	772.2	773.9	770.6	772.2	776.3	777.9	779.6
32.5°	606.7	685.0	735.1	742.4	752.1	747.2	746.4	748.8	755.3	755.3	756.9
35°	548.5	648.7	713.3	719.7	727.0	721.3	724.6	725.4	729.4	731.9	731.1
37.5°	484.7	617.2	690.7	695.5	701.2	693.9	698.8	701.2	704.4	702.8	702.8
40°	428.2	567.9	664.0	667.2	672.1	666.4	671.3	672.9	674.5	672.9	672.1
42.5°	386.2	513.8	635.7	639.8	636.5	640.6	642.2	645.5	643.0	639.8	639.8
45°	353.8	499.2	605.1	609.9	605.1	611.5	613.9	613.9	606.7	605.1	604.3
47.5°	343.3	470.2	574.4	574.4	571.9	580.0	584.0	578.4	571.1	568.7	568.7
50°	342.5	437.8	532.3	529.1	540.4	550.1	546.0	540.4	534.8	525.9	525.9
52.5°	311.0	398.2	478.2	490.3	508.1	513.8	507.3	501.6	491.9	487.9	484.7
55°	288.4	357.0	429.0	453.2	471.8	479.0	466.9	461.2	446.7	444.3	442.7
57.5°	283.5	297.3	383.7	414.4	437.0	436.2	429.0	418.4	406.3	403.9	403.1
60°	260.1	214.9	335.3	371.6	395.0	392.6	386.2	376.4	365.1	363.5	361.9
62.5°	235.8	155.9	280.3	321.5	354.6	353.8	348.2	333.6	325.5	321.5	318.3
65°	200.3	130.9	199.5	267.4	315.0	316.6	304.6	294.1	285.1	280.3	279.5
67.5°	152.7	106.6	134.9	223.0	277.1	275.4	260.1	255.3	244.0	241.5	236.7
70°	113.1	71.1	93.7	180.9	239.9	235.8	223.8	218.1	207.6	202.0	198.7
72.5°	93.7	57.3	68.7	140.5	202.0	197.1	186.6	180.1	171.3	166.4	163.2
75°	76.0	60.5	52.5	104.2	164.0	160.8	151.0	144.6	137.3	130.9	131.7
77.5°	55.7	56.5	42.0	76.8	130.1	125.2	119.6	111.5	108.2	101.8	101.8
80°	42.0	44.4	31.5	52.5	93.7	93.7	88.9	83.2	77.6	74.4	74.4
82.5°	28.3	28.3	23.4	33.1	63.8	61.4	58.1	56.5	53.3	51.7	51.7
85°	12.9	16.1	14.5	20.2	34.8	36.4	36.4	34.8	34.0	32.3	33.1
87.5°	4.0	7.3	8.9	11.3	17.7	18.5	19.4	19.4	19.4	20.2	20.2
90°	6.3	11.2	16.2	17.4	27.4	40.7	47.4	42.1	31.6	23.7	23.7
92.5°	25.0	67.4	109.8	120.4	169.2	234.3	266.9	233.9	168.0	118.5	113.8
95°	59.9	137.5	215.0	234.5	416.4	658.9	780.2	696.2	528.2	402.2	387.9
97.5°	103.5	171.9	240.4	257.5	560.8	965.3	1167.5	1114.4	1008.2	928.6	901.4
100°	137.2	199.3	261.4	276.9	613.4	1062.2	1286.6	1290.4	1298.2	1304.0	1271.6
102.5°	165.9	223.8	281.8	296.2	637.6	1092.6	1320.2	1387.8	1523.1	1624.5	1596.8
105°	214.6	263.6	312.6	324.9	655.4	1096.2	1316.5	1468.1	1771.3	1998.7	1983.8
107.5°	264.4	310.1	355.9	367.3	658.8	1047.4	1241.7	1453.2	1876.1	2193.3	2196.9
110°	298.1	339.3	380.6	391.0	653.7	1004.1	1179.3	1415.7	1888.6	2243.3	2258.8

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	331.2	370.5	409.9	419.7	654.0	966.3	1122.5	1364.5	1848.4	2211.4	2235.2
115°	381.0	417.3	453.7	462.8	660.1	923.0	1054.6	1287.7	1753.9	2103.5	2136.6
117.5°	430.3	463.3	496.3	504.5	672.3	895.9	1007.8	1218.2	1638.9	1954.5	1991.1
120°	459.0	490.1	521.1	528.9	682.2	886.8	989.1	1181.3	1565.7	1854.0	1889.7
122.5°	487.1	518.4	549.7	557.5	696.6	882.0	974.8	1147.9	1494.1	1753.7	1788.8
125°	530.1	558.6	587.2	594.3	716.0	878.1	959.2	1106.2	1400.3	1620.9	1653.2
127.5°	565.0	593.8	622.6	629.9	735.3	875.8	946.1	1072.3	1324.9	1514.2	1541.5
130°	583.7	614.8	645.8	653.6	749.4	877.1	941.0	1053.5	1278.2	1446.8	1472.1
132.5°	603.1	634.1	665.1	672.9	760.8	878.1	936.7	1037.3	1238.5	1389.4	1412.0
135°	631.7	660.0	688.3	695.3	773.3	877.3	929.2	1013.5	1182.0	1308.4	1327.8
137.5°	661.0	689.1	717.1	724.1	792.0	882.7	927.9	999.2	1141.6	1248.5	1264.4
140°	685.4	711.1	736.9	743.3	803.4	883.5	923.6	985.1	1108.2	1200.5	1215.4
142.5°	704.1	727.9	751.8	757.7	813.0	886.8	923.6	977.7	1085.7	1166.8	1179.7
145°	732.7	753.5	774.3	779.6	825.5	886.8	917.3	961.6	1050.0	1116.3	1126.0
147.5°	761.5	781.7	802.0	807.0	843.8	892.9	917.3	952.1	1021.7	1073.9	1082.0
150°	780.2	798.5	816.7	821.3	853.3	896.0	917.3	946.7	1005.5	1049.6	1056.1
152.5°	799.5	813.4	827.3	830.7	859.6	898.1	917.3	942.4	992.6	1030.2	1035.1
155°	828.2	838.5	848.7	851.3	873.3	902.7	917.3	937.3	977.3	1007.2	1010.5
157.5°	849.4	859.4	869.3	871.8	887.0	907.2	917.3	932.8	963.9	987.2	989.5
160°	863.7	871.5	879.3	881.2	893.3	909.3	917.3	930.7	957.3	977.3	978.5
162.5°	878.1	883.9	889.7	891.2	899.9	911.6	917.3	928.6	951.0	967.9	969.1
165°	893.7	899.0	904.3	905.5	909.5	914.7	917.3	925.4	941.5	953.6	954.8
167.5°	908.0	910.5	913.0	913.7	916.9	921.4	923.6	928.9	939.4	947.3	947.9
170°	917.3	919.8	922.3	923.0	923.2	923.4	923.6	928.9	939.4	947.3	947.3
172.5°	922.3	922.9	923.4	923.6	923.6	923.6	923.6	927.8	936.1	942.3	941.8
175°	929.2	929.2	929.2	929.2	927.4	924.9	923.6	926.3	931.6	935.5	935.5
177.5°	929.2	929.2	929.2	929.2	927.8	925.8	924.8	926.9	931.1	934.2	933.6
180°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	875.7	873.3	875.7	874.1	874.9	872.5	865.2	862.7	865.2	867.6	867.6
5°	886.2	884.5	886.2	886.2	885.4	883.7	875.7	874.1	875.7	876.5	874.9
7.5°	889.4	887.0	889.4	887.8	887.8	886.2	878.1	876.5	877.3	879.7	877.3
10°	889.4	887.0	889.4	888.6	887.8	886.2	878.1	874.9	874.9	877.3	874.9
12.5°	885.4	883.7	885.4	883.7	883.7	882.1	874.1	870.8	871.7	872.5	869.2
15°	878.9	876.5	878.9	877.3	878.1	875.7	866.8	863.5	863.5	865.2	859.5
17.5°	869.2	866.0	869.2	868.4	867.6	866.0	857.8	854.6	853.8	854.6	850.6
20°	857.8	855.4	857.8	857.0	857.0	853.8	845.8	841.7	841.7	841.7	837.7
22.5°	840.1	837.7	840.1	841.7	841.7	840.9	833.7	828.0	826.4	826.4	821.5
25°	819.9	817.5	819.9	819.9	819.1	819.9	817.5	814.2	811.8	809.4	804.6
27.5°	800.5	798.9	800.5	798.9	800.5	798.1	797.3	796.5	793.3	790.9	784.4
30°	781.2	779.6	781.2	779.6	777.9	776.3	772.2	770.6	773.9	772.2	761.7
32.5°	756.9	755.3	756.9	756.9	755.3	755.3	748.8	746.4	747.2	752.1	742.4
35°	731.9	729.4	731.9	731.1	731.9	729.4	725.4	724.6	721.3	727.0	719.7
37.5°	702.8	700.4	702.8	702.8	702.8	704.4	701.2	698.8	693.9	701.2	695.5
40°	672.9	669.7	672.9	672.1	672.9	674.5	672.9	671.3	666.4	672.1	667.2
42.5°	638.9	638.1	638.9	639.8	639.8	643.0	645.5	642.2	640.6	636.5	639.8
45°	602.7	601.0	602.7	604.3	605.1	606.7	613.9	613.9	611.5	605.1	609.9
47.5°	563.9	559.8	563.9	568.7	568.7	571.1	578.4	584.0	580.0	571.9	574.4
50°	522.7	523.5	522.7	525.9	525.9	534.8	540.4	546.0	550.1	540.4	529.1
52.5°	482.3	481.5	482.3	484.7	487.9	491.9	501.6	507.3	513.8	508.1	490.3
55°	441.9	443.5	441.9	442.7	444.3	446.7	461.2	466.9	479.0	471.8	453.2
57.5°	401.5	399.1	401.5	403.1	403.9	406.3	418.4	429.0	436.2	437.0	414.4
60°	354.6	351.4	354.6	361.9	363.5	365.1	376.4	386.2	392.6	395.0	371.6
62.5°	313.4	307.8	313.4	318.3	321.5	325.5	333.6	348.2	353.8	354.6	321.5
65°	269.8	267.4	269.8	279.5	280.3	285.1	294.1	304.6	316.6	315.0	267.4
67.5°	230.2	230.2	230.2	236.7	241.5	244.0	255.3	260.1	275.4	277.1	223.0
70°	193.8	193.0	193.8	198.7	202.0	207.6	218.1	223.8	235.8	239.9	180.9
72.5°	159.2	158.4	159.2	163.2	166.4	171.3	180.1	186.6	197.1	202.0	140.5
75°	128.5	126.8	128.5	131.7	130.9	137.3	144.6	151.0	160.8	164.0	104.2
77.5°	98.5	98.5	98.5	101.8	101.8	108.2	111.5	119.6	125.2	130.1	76.8
80°	73.5	72.7	73.5	74.4	74.4	77.6	83.2	88.9	93.7	93.7	52.5
82.5°	51.7	50.1	51.7	51.7	51.7	53.3	56.5	58.1	61.4	63.8	33.1
85°	32.3	32.3	32.3	33.1	32.3	34.0	34.8	36.4	36.4	34.8	20.2
87.5°	21.0	20.2	21.0	20.2	20.2	19.4	19.4	19.4	18.5	17.7	11.3
90°	23.7	23.7	23.7	23.7	23.7	31.6	42.1	47.4	40.7	27.4	17.4
92.5°	94.9	76.0	94.9	113.8	118.5	168.0	233.9	266.9	234.3	169.2	120.4
95°	330.8	273.7	330.8	387.9	402.2	528.2	696.2	780.2	658.9	416.4	234.5
97.5°	792.8	684.2	792.8	901.4	928.6	1008.2	1114.4	1167.5	965.3	560.8	257.5
100°	1142.3	1012.8	1142.3	1271.6	1304.0	1298.2	1290.4	1286.6	1062.2	613.4	276.9
102.5°	1486.0	1375.1	1486.0	1596.8	1624.5	1523.1	1387.8	1320.2	1092.6	637.6	296.2
105°	1924.2	1864.6	1924.2	1983.8	1998.7	1771.3	1468.1	1316.5	1096.2	655.4	324.9
107.5°	2211.3	2225.8	2211.3	2196.9	2193.3	1876.1	1453.2	1241.7	1047.4	658.8	367.3
110°	2320.8	2382.9	2320.8	2258.8	2243.3	1888.6	1415.7	1179.3	1004.1	653.7	391.0

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2330.5	2425.9	2330.5	2235.2	2211.4	1848.4	1364.5	1122.5	966.3	654.0	419.7
115°	2268.8	2401.0	2268.8	2136.6	2103.5	1753.9	1287.7	1054.6	923.0	660.1	462.8
117.5°	2137.7	2284.4	2137.7	1991.1	1954.5	1638.9	1218.2	1007.8	895.9	672.3	504.5
120°	2032.2	2174.6	2032.2	1889.7	1854.0	1565.7	1181.3	989.1	886.8	682.2	528.9
122.5°	1929.3	2069.8	1929.3	1788.8	1753.7	1494.1	1147.9	974.8	882.0	696.6	557.5
125°	1782.7	1912.1	1782.7	1653.2	1620.9	1400.3	1106.2	959.2	878.1	716.0	594.3
127.5°	1650.7	1759.9	1650.7	1541.5	1514.2	1324.9	1072.3	946.1	875.8	735.3	629.9
130°	1573.0	1673.9	1573.0	1472.1	1446.8	1278.2	1053.5	941.0	877.1	749.4	653.6
132.5°	1502.4	1592.8	1502.4	1412.0	1389.4	1238.5	1037.3	936.7	878.1	760.8	672.9
135°	1405.7	1483.6	1405.7	1327.8	1308.4	1182.0	1013.5	929.2	877.3	773.3	695.3
137.5°	1328.2	1391.9	1328.2	1264.4	1248.5	1141.6	999.2	927.9	882.7	792.0	724.1
140°	1275.0	1334.6	1275.0	1215.4	1200.5	1108.2	985.1	923.6	883.5	803.4	743.3
142.5°	1230.9	1282.2	1230.9	1179.7	1166.8	1085.7	977.7	923.6	886.8	813.0	757.7
145°	1164.8	1203.6	1164.8	1126.0	1116.3	1050.0	961.6	917.3	886.8	825.5	779.6
147.5°	1114.2	1146.3	1114.2	1082.0	1073.9	1021.7	952.1	917.3	892.9	843.8	807.0
150°	1082.2	1108.2	1082.2	1056.1	1049.6	1005.5	946.7	917.3	896.0	853.3	821.3
152.5°	1054.8	1074.5	1054.8	1035.1	1030.2	992.6	942.4	917.3	898.1	859.6	830.7
155°	1023.5	1036.5	1023.5	1010.5	1007.2	977.3	937.3	917.3	902.7	873.3	851.3
157.5°	998.6	1007.8	998.6	989.5	987.2	963.9	932.8	917.3	907.2	887.0	871.8
160°	983.8	989.1	983.8	978.5	977.3	957.3	930.7	917.3	909.3	893.3	881.2
162.5°	974.1	979.1	974.1	969.1	967.9	951.0	928.6	917.3	911.6	899.9	891.2
165°	960.1	965.4	960.1	954.8	953.6	941.5	925.4	917.3	914.7	909.5	905.5
167.5°	950.0	952.3	950.0	947.9	947.3	939.4	928.9	923.6	921.4	916.9	913.7
170°	947.3	947.3	947.3	947.3	947.3	939.4	928.9	923.6	923.4	923.2	923.0
172.5°	939.9	938.0	939.9	941.8	942.3	936.1	927.8	923.6	923.6	923.6	923.6
175°	935.5	935.5	935.5	935.5	935.5	931.6	926.3	923.6	924.9	927.4	929.2
177.5°	931.5	929.2	931.5	933.6	934.2	931.1	926.9	924.8	925.8	927.8	929.2
180°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	866.0	861.1	861.1	853.0	849.8	847.4	843.3	831.3	828.0	824.8	829.6
5°	873.3	864.3	857.8	843.3	831.3	826.4	811.0	782.0	762.5	748.0	740.0
7.5°	874.9	863.5	851.4	828.8	799.7	786.8	740.0	686.6	672.1	659.2	651.1
10°	873.3	860.3	843.3	809.4	740.8	718.1	671.3	636.5	627.6	625.2	627.6
12.5°	867.6	855.4	832.1	775.5	679.3	664.0	636.5	616.4	614.7	618.8	640.6
15°	857.8	846.6	819.1	730.2	645.5	634.1	614.7	607.5	616.4	644.6	710.1
17.5°	848.2	835.3	801.3	685.8	619.6	611.5	597.8	612.3	662.4	700.4	722.1
20°	835.3	819.9	781.2	653.5	601.0	593.7	587.2	652.7	690.7	704.4	716.5
22.5°	819.9	803.7	753.7	630.9	581.6	576.0	580.0	675.3	690.7	700.4	710.9
25°	799.7	786.0	721.3	613.1	566.3	559.8	575.2	672.9	681.7	684.2	705.2
27.5°	781.2	763.3	687.4	597.0	547.7	545.2	579.2	662.4	668.9	671.3	693.9
30°	758.5	731.9	649.5	580.0	528.3	527.5	580.0	649.5	647.9	654.3	676.9
32.5°	735.1	685.0	606.7	559.0	509.7	508.9	574.4	630.1	628.5	637.3	654.3
35°	713.3	648.7	548.5	534.8	486.3	487.1	560.6	607.5	608.3	616.4	626.8
37.5°	690.7	617.2	484.7	508.1	463.7	463.7	542.0	586.4	584.8	587.2	601.8
40°	664.0	567.9	428.2	473.4	442.7	440.3	519.4	563.9	558.2	557.4	577.6
42.5°	635.7	513.8	386.2	427.4	418.4	415.2	491.9	536.4	525.9	528.3	554.2
45°	605.1	499.2	353.8	361.1	393.4	391.0	462.0	504.8	497.6	504.0	530.7
47.5°	574.4	470.2	343.3	299.7	366.7	365.9	429.0	474.2	470.2	476.6	504.8
50°	532.3	437.8	342.5	256.9	336.9	340.1	389.4	444.3	444.3	449.9	479.9
52.5°	478.2	398.2	311.0	232.6	302.1	311.8	354.6	418.4	420.0	425.8	452.3
55°	429.0	357.0	288.4	214.1	260.9	281.9	320.7	391.8	395.0	400.7	424.9
57.5°	383.7	297.3	283.5	192.2	223.0	243.1	290.8	365.9	367.5	372.4	395.8
60°	335.3	214.9	260.1	168.8	189.8	205.2	263.3	335.3	340.9	344.1	364.3
62.5°	280.3	155.9	235.8	152.7	173.7	176.9	240.7	306.2	313.4	315.8	327.9
65°	199.5	130.9	200.3	138.9	156.7	157.5	216.5	276.2	282.7	286.8	295.7
67.5°	134.9	106.6	152.7	126.0	143.8	144.6	193.0	241.5	250.5	253.7	259.3
70°	93.7	71.1	113.1	112.3	129.3	130.9	168.0	210.1	218.1	220.5	223.8
72.5°	68.7	57.3	93.7	100.9	113.9	115.6	142.2	174.5	182.6	185.0	186.6
75°	52.5	60.5	76.0	88.1	96.9	97.7	116.4	142.2	147.8	149.4	150.2
77.5°	42.0	56.5	55.7	71.1	79.2	77.6	91.3	109.9	114.7	114.7	114.7
80°	31.5	44.4	42.0	50.9	58.1	56.5	65.4	78.4	80.0	81.6	80.8
82.5°	23.4	28.3	28.3	32.3	38.8	37.2	43.6	50.9	50.9	50.9	52.5
85°	14.5	16.1	12.9	16.9	21.8	21.0	24.3	27.5	28.3	28.3	26.7
87.5°	8.9	7.3	4.0	6.4	9.7	9.7	11.3	12.1	11.3	11.3	11.3
90°	16.2	11.2	6.3	11.2	16.2	17.4	27.4	40.7	47.4	42.1	31.6
92.5°	109.8	67.4	25.0	67.4	109.8	120.4	169.2	234.3	266.9	233.9	168.0
95°	215.0	137.5	59.9	137.5	215.0	234.5	416.4	658.9	780.2	696.2	528.2
97.5°	240.4	171.9	103.5	171.9	240.4	257.5	560.8	965.3	1167.5	1114.4	1008.2
100°	261.4	199.3	137.2	199.3	261.4	276.9	613.4	1062.2	1286.6	1290.4	1298.2
102.5°	281.8	223.8	165.9	223.8	281.8	296.2	637.6	1092.6	1320.2	1387.8	1523.1
105°	312.6	263.6	214.6	263.6	312.6	324.9	655.4	1096.2	1316.5	1468.1	1771.3
107.5°	355.9	310.1	264.4	310.1	355.9	367.3	658.8	1047.4	1241.7	1453.2	1876.1
110°	380.6	339.3	298.1	339.3	380.6	391.0	653.7	1004.1	1179.3	1415.7	1888.6

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	409.9	370.5	331.2	370.5	409.9	419.7	654.0	966.3	1122.5	1364.5	1848.4
115°	453.7	417.3	381.0	417.3	453.7	462.8	660.1	923.0	1054.6	1287.7	1753.9
117.5°	496.3	463.3	430.3	463.3	496.3	504.5	672.3	895.9	1007.8	1218.2	1638.9
120°	521.1	490.1	459.0	490.1	521.1	528.9	682.2	886.8	989.1	1181.3	1565.7
122.5°	549.7	518.4	487.1	518.4	549.7	557.5	696.6	882.0	974.8	1147.9	1494.1
125°	587.2	558.6	530.1	558.6	587.2	594.3	716.0	878.1	959.2	1106.2	1400.3
127.5°	622.6	593.8	565.0	593.8	622.6	629.9	735.3	875.8	946.1	1072.3	1324.9
130°	645.8	614.8	583.7	614.8	645.8	653.6	749.4	877.1	941.0	1053.5	1278.2
132.5°	665.1	634.1	603.1	634.1	665.1	672.9	760.8	878.1	936.7	1037.3	1238.5
135°	688.3	660.0	631.7	660.0	688.3	695.3	773.3	877.3	929.2	1013.5	1182.0
137.5°	717.1	689.1	661.0	689.1	717.1	724.1	792.0	882.7	927.9	999.2	1141.6
140°	736.9	711.1	685.4	711.1	736.9	743.3	803.4	883.5	923.6	985.1	1108.2
142.5°	751.8	727.9	704.1	727.9	751.8	757.7	813.0	886.8	923.6	977.7	1085.7
145°	774.3	753.5	732.7	753.5	774.3	779.6	825.5	886.8	917.3	961.6	1050.0
147.5°	802.0	781.7	761.5	781.7	802.0	807.0	843.8	892.9	917.3	952.1	1021.7
150°	816.7	798.5	780.2	798.5	816.7	821.3	853.3	896.0	917.3	946.7	1005.5
152.5°	827.3	813.4	799.5	813.4	827.3	830.7	859.6	898.1	917.3	942.4	992.6
155°	848.7	838.5	828.2	838.5	848.7	851.3	873.3	902.7	917.3	937.3	977.3
157.5°	869.3	859.4	849.4	859.4	869.3	871.8	887.0	907.2	917.3	932.8	963.9
160°	879.3	871.5	863.7	871.5	879.3	881.2	893.3	909.3	917.3	930.7	957.3
162.5°	889.7	883.9	878.1	883.9	889.7	891.2	899.9	911.6	917.3	928.6	951.0
165°	904.3	899.0	893.7	899.0	904.3	905.5	909.5	914.7	917.3	925.4	941.5
167.5°	913.0	910.5	908.0	910.5	913.0	913.7	916.9	921.4	923.6	928.9	939.4
170°	922.3	919.8	917.3	919.8	922.3	923.0	923.2	923.4	923.6	928.9	939.4
172.5°	923.4	922.9	922.3	922.9	923.4	923.6	923.6	923.6	923.6	927.8	936.1
175°	929.2	929.2	929.2	929.2	929.2	929.2	927.4	924.9	923.6	926.3	931.6
177.5°	929.2	929.2	929.2	929.2	929.2	929.2	927.8	925.8	924.8	926.9	931.1
180°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	824.0	821.5	824.8	815.8	824.8	821.5	824.0	829.6	824.8	828.0	831.3
5°	723.0	718.9	706.0	695.5	706.0	718.9	723.0	740.0	748.0	762.5	782.0
7.5°	646.3	643.0	639.8	633.3	639.8	643.0	646.3	651.1	659.2	672.1	686.6
10°	629.3	630.1	634.9	634.1	634.9	630.1	629.3	627.6	625.2	627.6	636.5
12.5°	672.9	680.1	706.8	705.2	706.8	680.1	672.9	640.6	618.8	614.7	616.4
15°	723.0	725.4	731.1	731.9	731.1	725.4	723.0	710.1	644.6	616.4	607.5
17.5°	727.8	728.6	732.7	732.7	732.7	728.6	727.8	722.1	700.4	662.4	612.3
20°	723.8	725.4	733.5	735.1	733.5	725.4	723.8	716.5	704.4	690.7	652.7
22.5°	722.1	725.4	731.9	731.1	731.9	725.4	722.1	710.9	700.4	690.7	675.3
25°	714.1	714.1	714.9	715.7	714.9	714.1	714.1	705.2	684.2	681.7	672.9
27.5°	697.2	698.8	703.6	702.8	703.6	698.8	697.2	693.9	671.3	668.9	662.4
30°	681.7	680.1	676.1	672.9	676.1	680.1	681.7	676.9	654.3	647.9	649.5
32.5°	656.0	651.9	647.9	645.5	647.9	651.9	656.0	654.3	637.3	628.5	630.1
35°	625.2	626.0	625.2	622.8	625.2	626.0	625.2	626.8	616.4	608.3	607.5
37.5°	603.5	605.1	604.3	601.0	604.3	605.1	603.5	601.8	587.2	584.8	586.4
40°	580.8	581.6	580.8	578.4	580.8	581.6	580.8	577.6	557.4	558.2	563.9
42.5°	559.0	558.2	555.8	554.2	555.8	558.2	559.0	554.2	528.3	525.9	536.4
45°	534.0	534.8	529.9	527.5	529.9	534.8	534.0	530.7	504.0	497.6	504.8
47.5°	508.9	508.9	504.8	502.4	504.8	508.9	508.9	504.8	476.6	470.2	474.2
50°	482.3	481.5	475.8	475.0	475.8	481.5	482.3	479.9	449.9	444.3	444.3
52.5°	451.5	451.5	452.3	454.0	452.3	451.5	451.5	452.3	425.8	420.0	418.4
55°	424.9	425.8	431.4	433.0	431.4	425.8	424.9	424.9	400.7	395.0	391.8
57.5°	397.4	397.4	401.5	401.5	401.5	397.4	397.4	395.8	372.4	367.5	365.9
60°	365.9	367.5	370.7	369.9	370.7	367.5	365.9	364.3	344.1	340.9	335.3
62.5°	332.8	334.4	335.3	333.6	335.3	334.4	332.8	327.9	315.8	313.4	306.2
65°	298.1	299.7	300.5	298.9	300.5	299.7	298.1	295.7	286.8	282.7	276.2
67.5°	262.5	261.7	260.9	264.2	260.9	261.7	262.5	259.3	253.7	250.5	241.5
70°	226.2	226.2	225.4	227.0	225.4	226.2	226.2	223.8	220.5	218.1	210.1
72.5°	187.4	186.6	189.8	187.4	189.8	186.6	187.4	186.6	185.0	182.6	174.5
75°	149.4	151.0	149.4	151.8	149.4	151.0	149.4	150.2	149.4	147.8	142.2
77.5°	113.9	115.6	113.9	113.9	113.9	115.6	113.9	114.7	114.7	114.7	109.9
80°	80.8	80.0	80.0	79.2	80.0	80.0	80.8	80.8	81.6	80.0	78.4
82.5°	51.7	50.9	50.9	52.5	50.9	50.9	51.7	52.5	50.9	50.9	50.9
85°	28.3	29.1	27.5	27.5	27.5	29.1	28.3	26.7	28.3	28.3	27.5
87.5°	10.5	9.7	9.7	9.7	9.7	9.7	10.5	11.3	11.3	11.3	12.1
90°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	31.6	42.1	47.4	40.7
92.5°	118.5	113.8	94.9	76.0	94.9	113.8	118.5	168.0	233.9	266.9	234.3
95°	402.2	387.9	330.8	273.7	330.8	387.9	402.2	528.2	696.2	780.2	658.9
97.5°	928.6	901.4	792.8	684.2	792.8	901.4	928.6	1008.2	1114.4	1167.5	965.3
100°	1304.0	1271.6	1142.3	1012.8	1142.3	1271.6	1304.0	1298.2	1290.4	1286.6	1062.2
102.5°	1624.5	1596.8	1486.0	1375.1	1486.0	1596.8	1624.5	1523.1	1387.8	1320.2	1092.6
105°	1998.7	1983.8	1924.2	1864.6	1924.2	1983.8	1998.7	1771.3	1468.1	1316.5	1096.2
107.5°	2193.3	2196.9	2211.3	2225.8	2211.3	2196.9	2193.3	1876.1	1453.2	1241.7	1047.4
110°	2243.3	2258.8	2320.8	2382.9	2320.8	2258.8	2243.3	1888.6	1415.7	1179.3	1004.1

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2211.4	2235.2	2330.5	2425.9	2330.5	2235.2	2211.4	1848.4	1364.5	1122.5	966.3
115°	2103.5	2136.6	2268.8	2401.0	2268.8	2136.6	2103.5	1753.9	1287.7	1054.6	923.0
117.5°	1954.5	1991.1	2137.7	2284.4	2137.7	1991.1	1954.5	1638.9	1218.2	1007.8	895.9
120°	1854.0	1889.7	2032.2	2174.6	2032.2	1889.7	1854.0	1565.7	1181.3	989.1	886.8
122.5°	1753.7	1788.8	1929.3	2069.8	1929.3	1788.8	1753.7	1494.1	1147.9	974.8	882.0
125°	1620.9	1653.2	1782.7	1912.1	1782.7	1653.2	1620.9	1400.3	1106.2	959.2	878.1
127.5°	1514.2	1541.5	1650.7	1759.9	1650.7	1541.5	1514.2	1324.9	1072.3	946.1	875.8
130°	1446.8	1472.1	1573.0	1673.9	1573.0	1472.1	1446.8	1278.2	1053.5	941.0	877.1
132.5°	1389.4	1412.0	1502.4	1592.8	1502.4	1412.0	1389.4	1238.5	1037.3	936.7	878.1
135°	1308.4	1327.8	1405.7	1483.6	1405.7	1327.8	1308.4	1182.0	1013.5	929.2	877.3
137.5°	1248.5	1264.4	1328.2	1391.9	1328.2	1264.4	1248.5	1141.6	999.2	927.9	882.7
140°	1200.5	1215.4	1275.0	1334.6	1275.0	1215.4	1200.5	1108.2	985.1	923.6	883.5
142.5°	1166.8	1179.7	1230.9	1282.2	1230.9	1179.7	1166.8	1085.7	977.7	923.6	886.8
145°	1116.3	1126.0	1164.8	1203.6	1164.8	1126.0	1116.3	1050.0	961.6	917.3	886.8
147.5°	1073.9	1082.0	1114.2	1146.3	1114.2	1082.0	1073.9	1021.7	952.1	917.3	892.9
150°	1049.6	1056.1	1082.2	1108.2	1082.2	1056.1	1049.6	1005.5	946.7	917.3	896.0
152.5°	1030.2	1035.1	1054.8	1074.5	1054.8	1035.1	1030.2	992.6	942.4	917.3	898.1
155°	1007.2	1010.5	1023.5	1036.5	1023.5	1010.5	1007.2	977.3	937.3	917.3	902.7
157.5°	987.2	989.5	998.6	1007.8	998.6	989.5	987.2	963.9	932.8	917.3	907.2
160°	977.3	978.5	983.8	989.1	983.8	978.5	977.3	957.3	930.7	917.3	909.3
162.5°	967.9	969.1	974.1	979.1	974.1	969.1	967.9	951.0	928.6	917.3	911.6
165°	953.6	954.8	960.1	965.4	960.1	954.8	953.6	941.5	925.4	917.3	914.7
167.5°	947.3	947.9	950.0	952.3	950.0	947.9	947.3	939.4	928.9	923.6	921.4
170°	947.3	947.3	947.3	947.3	947.3	947.3	947.3	939.4	928.9	923.6	923.4
172.5°	942.3	941.8	939.9	938.0	939.9	941.8	942.3	936.1	927.8	923.6	923.6
175°	935.5	935.5	935.5	935.5	935.5	935.5	935.5	931.6	926.3	923.6	924.9
177.5°	934.2	933.6	931.5	929.2	931.5	933.6	934.2	931.1	926.9	924.8	925.8
180°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	853.8	853.8	853.8	853.8	853.8
2.5°	843.3	847.4	849.8	853.0	861.1
5°	811.0	826.4	831.3	843.3	857.8
7.5°	740.0	786.8	799.7	828.8	851.4
10°	671.3	718.1	740.8	809.4	843.3
12.5°	636.5	664.0	679.3	775.5	832.1
15°	614.7	634.1	645.5	730.2	819.1
17.5°	597.8	611.5	619.6	685.8	801.3
20°	587.2	593.7	601.0	653.5	781.2
22.5°	580.0	576.0	581.6	630.9	753.7
25°	575.2	559.8	566.3	613.1	721.3
27.5°	579.2	545.2	547.7	597.0	687.4
30°	580.0	527.5	528.3	580.0	649.5
32.5°	574.4	508.9	509.7	559.0	606.7
35°	560.6	487.1	486.3	534.8	548.5
37.5°	542.0	463.7	463.7	508.1	484.7
40°	519.4	440.3	442.7	473.4	428.2
42.5°	491.9	415.2	418.4	427.4	386.2
45°	462.0	391.0	393.4	361.1	353.8
47.5°	429.0	365.9	366.7	299.7	343.3
50°	389.4	340.1	336.9	256.9	342.5
52.5°	354.6	311.8	302.1	232.6	311.0
55°	320.7	281.9	260.9	214.1	288.4
57.5°	290.8	243.1	223.0	192.2	283.5
60°	263.3	205.2	189.8	168.8	260.1
62.5°	240.7	176.9	173.7	152.7	235.8
65°	216.5	157.5	156.7	138.9	200.3
67.5°	193.0	144.6	143.8	126.0	152.7
70°	168.0	130.9	129.3	112.3	113.1
72.5°	142.2	115.6	113.9	100.9	93.7
75°	116.4	97.7	96.9	88.1	76.0
77.5°	91.3	77.6	79.2	71.1	55.7
80°	65.4	56.5	58.1	50.9	42.0
82.5°	43.6	37.2	38.8	32.3	28.3
85°	24.3	21.0	21.8	16.9	12.9
87.5°	11.3	9.7	9.7	6.4	4.0
90°	27.4	17.4	16.2	11.2	6.3
92.5°	169.2	120.4	109.8	67.4	25.0
95°	416.4	234.5	215.0	137.5	59.9
97.5°	560.8	257.5	240.4	171.9	103.5
100°	613.4	276.9	261.4	199.3	137.2
102.5°	637.6	296.2	281.8	223.8	165.9
105°	655.4	324.9	312.6	263.6	214.6
107.5°	658.8	367.3	355.9	310.1	264.4
110°	653.7	391.0	380.6	339.3	298.1

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	654.0	419.7	409.9	370.5	331.2
115°	660.1	462.8	453.7	417.3	381.0
117.5°	672.3	504.5	496.3	463.3	430.3
120°	682.2	528.9	521.1	490.1	459.0
122.5°	696.6	557.5	549.7	518.4	487.1
125°	716.0	594.3	587.2	558.6	530.1
127.5°	735.3	629.9	622.6	593.8	565.0
130°	749.4	653.6	645.8	614.8	583.7
132.5°	760.8	672.9	665.1	634.1	603.1
135°	773.3	695.3	688.3	660.0	631.7
137.5°	792.0	724.1	717.1	689.1	661.0
140°	803.4	743.3	736.9	711.1	685.4
142.5°	813.0	757.7	751.8	727.9	704.1
145°	825.5	779.6	774.3	753.5	732.7
147.5°	843.8	807.0	802.0	781.7	761.5
150°	853.3	821.3	816.7	798.5	780.2
152.5°	859.6	830.7	827.3	813.4	799.5
155°	873.3	851.3	848.7	838.5	828.2
157.5°	887.0	871.8	869.3	859.4	849.4
160°	893.3	881.2	879.3	871.5	863.7
162.5°	899.9	891.2	889.7	883.9	878.1
165°	909.5	905.5	904.3	899.0	893.7
167.5°	916.9	913.7	913.0	910.5	908.0
170°	923.2	923.0	922.3	919.8	917.3
172.5°	923.6	923.6	923.4	922.9	922.3
175°	927.4	929.2	929.2	929.2	929.2
177.5°	927.8	929.2	929.2	929.2	929.2
180°	929.2	929.2	929.2	929.2	929.2

TEST NUMBER: P935451

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-6

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	7.93	8.62	9.06	9.74	11.31	10.75	11.44	11.89	12.56	14.13
	3H	8.39	9.01	9.53	10.14	11.72	12.08	12.70	13.22	13.83	15.41
	4H	8.58	9.16	9.73	10.29	11.88	12.52	13.10	13.67	14.23	15.82
	6H	8.69	9.22	9.84	10.36	11.96	12.79	13.33	13.95	14.46	16.06
	8H	8.68	9.19	9.84	10.34	11.93	12.86	13.37	14.02	14.52	16.11
	12H	8.65	9.13	9.81	10.28	11.89	12.89	13.38	14.06	14.52	16.14
4H	2H	8.94	9.52	10.10	10.66	12.24	11.14	11.73	12.30	12.86	14.45
	3H	9.95	10.44	11.11	11.59	13.19	12.63	13.11	13.79	14.27	15.87
	4H	10.22	10.67	11.38	11.81	13.43	13.15	13.60	14.31	14.74	16.36
	6H	10.33	10.72	11.50	11.89	13.49	13.50	13.88	14.67	15.06	16.66
	8H	10.33	10.69	11.50	11.85	13.48	13.60	13.96	14.77	15.12	16.75
	12H	10.29	10.62	11.48	11.79	13.42	13.65	13.98	14.84	15.15	16.78
8H	4H	10.66	11.01	11.83	12.18	13.80	13.26	13.62	14.43	14.78	16.40
	6H	10.91	11.21	12.10	12.41	14.03	13.69	13.98	14.88	15.18	16.81
	8H	10.95	11.21	12.15	12.39	14.03	13.84	14.09	15.03	15.27	16.92
	12H	10.93	11.15	12.13	12.33	14.01	13.92	14.15	15.12	15.33	17.00
12H	4H	10.65	10.98	11.84	12.15	13.78	13.21	13.54	14.40	14.71	16.34
	6H	10.97	11.23	12.16	12.41	14.05	13.68	13.94	14.88	15.12	16.76
	8H	11.03	11.25	12.23	12.43	14.11	13.83	14.06	15.03	15.24	16.91

END OF REPORT