

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: P935518

Luminaire Tested: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935518
REPORT IS A COMBINATION OF REPORTS P933758 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

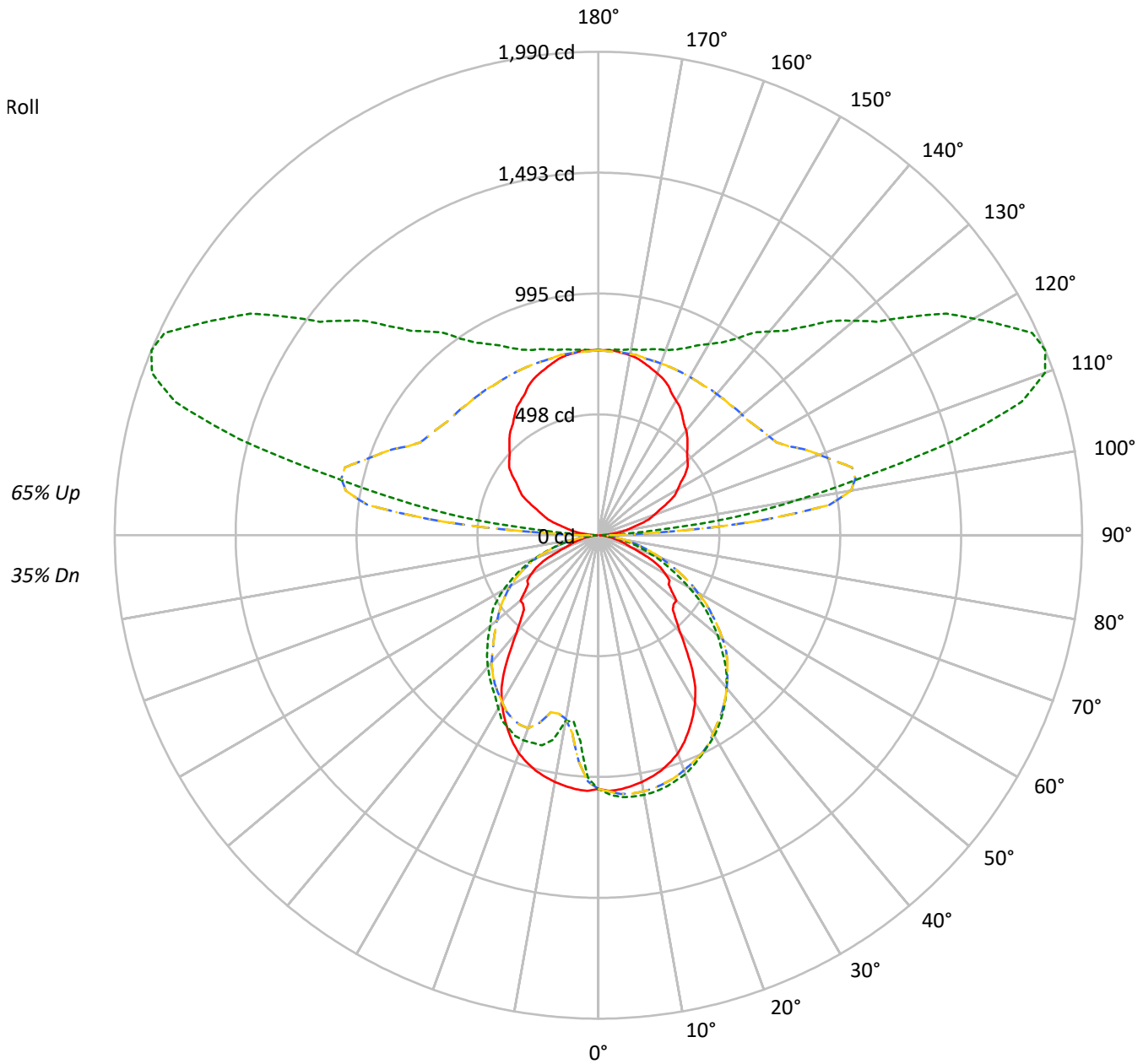
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7652.0 lumens
Efficiency: N/A
Efficacy: 137.6 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-Indirect

Input Watts (W): 55.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935518
CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

Luminous Intensity Polar Plot



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



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9691	9691	9691	9691
5°	9753	9784	9753	7693
10°	9677	9637	9677	6890
15°	9561	9429	9561	7872
20°	9350	9181	9350	7889
25°	8930	8820	8930	7722
30°	8392	8520	8392	7355
35°	7470	8142	7470	6951
40°	6213	7696	6213	6647
45°	5541	7174	5541	6297
50°	5874	6551	5874	5944
55°	5511	5881	5511	5742
60°	5658	4995	5658	5259
65°	5106	4128	5106	4616
70°	3511	3289	3511	3867
75°	3046	2432	3046	2911
80°	2406	1607	2406	1750
85°	1308	851	1308	724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8509 cd/sqm



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	1.2
10°-20°	267.7	3.5
20°-30°	413.8	5.4
30°-40°	494.0	6.5
40°-50°	496.9	6.5
50°-60°	432.4	5.7
60°-70°	306.5	4.0
70°-80°	162.2	2.1
80°-90°	43.3	0.6
90°-100°	371.5	4.9
100°-110°	976.8	12.8
110°-120°	1012.8	13.2
120°-130°	812.4	10.6
130°-140°	637.5	8.3
140°-150°	489.3	6.4
150°-160°	352.4	4.6
160°-170°	215.6	2.8
170°-180°	72.8	1.0
0°-30°	775.8	10.1
0°-40°	1269.7	16.6
0°-60°	2199.0	28.7
0°-90°	2711.0	35.4
90°-120°	2361.2	30.9
90°-150°	4300.3	56.2
90°-180°	4941.0	64.6
0°-180°	7652.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1044	1044	1044	1044	1044	
5°	1049	1082	1049	851	1049	100
15°	1002	1072	1002	895	1002	282
25°	882	1000	882	876	882	405
35°	671	892	671	762	671	415
45°	433	735	433	645	433	347
55°	353	542	353	530	353	324
65°	245	327	245	366	245	234
75°	93	155	93	186	93	98
85°	16	40	16	34	16	21
90°	5	20	5	20	5	5
95°	49	225	49	225	49	55
105°	176	1530	176	1530	176	187
115°	312	1970	312	1970	312	309
125°	435	1568	435	1568	435	386
135°	518	1217	518	1217	518	401
145°	601	987	601	987	601	377
155°	679	850	679	850	679	312
165°	733	792	733	792	733	207
175°	762	767	762	767	762	72
180°	762	762	762	762	762	



TEST NUMBER: P935518
 CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4
2.5°	1053.3	1053.3	1059.3	1061.3	1061.3	1058.3	1055.4	1058.3	1067.2	1070.2	1069.2
5°	1049.4	1057.4	1068.2	1070.2	1072.2	1071.2	1069.2	1071.2	1081.1	1083.0	1084.0
7.5°	1041.5	1056.4	1070.2	1073.2	1076.1	1073.2	1072.2	1074.2	1084.0	1086.0	1086.0
10°	1031.6	1052.3	1068.2	1070.2	1073.2	1070.2	1070.2	1074.2	1084.0	1086.0	1087.0
12.5°	1017.7	1046.4	1061.3	1063.3	1067.2	1066.2	1065.3	1069.2	1079.1	1081.1	1081.1
15°	1001.9	1035.5	1049.4	1051.3	1058.3	1056.4	1056.4	1060.3	1071.2	1074.2	1073.2
17.5°	980.2	1021.7	1037.5	1040.5	1045.4	1044.4	1045.4	1049.4	1059.3	1061.3	1062.3
20°	955.5	1002.9	1021.7	1024.7	1029.6	1029.6	1029.6	1034.5	1044.4	1048.4	1048.4
22.5°	921.9	983.2	1002.9	1004.9	1010.8	1010.8	1012.8	1019.7	1028.6	1029.6	1029.6
25°	882.4	961.4	978.2	984.1	990.1	993.0	996.0	1000.0	1002.9	1001.9	1002.9
27.5°	840.9	933.8	955.5	959.4	967.4	970.3	974.3	975.3	976.2	979.2	977.2
30°	794.5	895.2	927.8	931.8	944.6	946.6	942.7	944.6	949.6	951.5	953.5
32.5°	742.1	837.9	899.2	908.1	919.9	914.0	913.0	916.0	923.9	923.9	925.9
35°	671.0	793.5	872.5	880.4	889.3	882.4	886.3	887.3	892.3	895.2	894.2
37.5°	592.9	754.9	844.8	850.8	857.7	848.8	854.7	857.7	861.6	859.7	859.7
40°	523.7	694.7	812.2	816.2	822.1	815.2	821.1	823.1	825.1	823.1	822.1
42.5°	472.4	628.5	777.7	782.6	778.6	783.6	785.6	789.5	786.5	782.6	782.6
45°	432.8	610.7	740.1	746.0	740.1	748.0	751.0	751.0	742.1	740.1	739.1
47.5°	420.0	575.1	702.6	702.6	699.6	709.5	714.4	707.5	698.6	695.7	695.7
50°	419.0	535.6	651.2	647.2	661.1	672.9	668.0	661.1	654.2	643.3	643.3
52.5°	380.5	487.2	585.0	599.8	621.6	628.5	620.6	613.6	601.8	596.9	592.9
55°	352.8	436.8	524.7	554.4	577.1	586.0	571.2	564.2	546.5	543.5	541.5
57.5°	346.8	363.7	469.4	506.9	534.6	533.6	524.7	511.9	497.1	494.1	493.1
60°	318.1	262.8	410.1	454.6	483.2	480.3	472.4	460.5	446.7	444.7	442.7
62.5°	288.5	190.7	342.8	393.3	433.8	432.8	425.9	408.1	398.3	393.3	389.4
65°	245.0	160.1	244.0	327.0	385.4	387.4	372.6	359.7	348.8	342.8	341.8
67.5°	186.7	130.4	165.0	272.7	338.9	336.9	318.1	312.2	298.4	295.4	289.5
70°	138.3	86.9	114.6	221.3	293.4	288.5	273.7	266.8	253.9	247.0	243.0
72.5°	114.6	70.1	84.0	171.9	247.0	241.1	228.2	220.3	209.5	203.5	199.6
75°	92.9	74.1	64.2	127.5	200.6	196.6	184.8	176.9	168.0	160.1	161.0
77.5°	68.2	69.2	51.4	93.9	159.1	153.1	146.2	136.3	132.4	124.5	124.5
80°	51.4	54.3	38.5	64.2	114.6	114.6	108.7	101.8	94.8	90.9	90.9
82.5°	34.6	34.6	28.7	40.5	78.1	75.1	71.1	69.2	65.2	63.2	63.2
85°	15.8	19.8	17.8	24.7	42.5	44.5	44.5	42.5	41.5	39.5	40.5
87.5°	4.9	8.9	10.9	13.8	21.7	22.7	23.7	23.7	23.7	24.7	24.7
90°	5.1	9.2	13.3	14.3	22.5	33.4	38.8	34.5	25.9	19.5	19.5
92.5°	20.5	55.2	90.0	98.7	138.8	192.3	218.9	191.9	137.8	97.2	93.4
95°	49.1	112.7	176.5	192.4	341.6	540.4	639.9	571.1	433.3	330.0	318.2
97.5°	84.9	141.0	197.2	211.2	460.0	791.7	957.6	914.0	827.0	761.6	739.4
100°	112.5	163.5	214.4	227.1	503.2	871.2	1055.3	1058.4	1064.9	1069.6	1043.0
102.5°	136.0	183.6	231.1	242.9	522.9	896.3	1082.9	1138.5	1249.4	1332.6	1309.9
105°	176.0	216.3	256.5	266.6	537.7	899.2	1079.9	1204.3	1453.0	1639.5	1627.2
107.5°	216.9	254.4	292.0	301.3	540.4	859.2	1018.5	1192.0	1538.9	1799.0	1802.0
110°	244.5	278.4	312.2	320.7	536.3	823.7	967.4	1161.3	1549.2	1840.1	1852.8



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	271.6	303.9	336.1	344.2	536.4	792.7	920.8	1119.3	1516.3	1814.0	1833.5
115°	312.5	342.3	372.2	379.6	541.4	757.1	865.0	1056.2	1438.6	1725.4	1752.5
117.5°	353.0	380.1	407.2	413.9	551.5	735.0	826.7	999.2	1344.3	1603.1	1633.2
120°	376.5	402.0	427.5	433.8	559.7	727.5	811.3	969.0	1284.3	1520.8	1550.1
122.5°	399.5	425.2	450.9	457.3	571.5	723.5	799.6	941.6	1225.5	1438.4	1467.3
125°	434.8	458.2	481.6	487.5	587.3	720.3	786.7	907.4	1148.6	1329.5	1356.0
127.5°	463.5	487.1	510.7	516.6	603.1	718.4	776.0	879.5	1086.7	1242.0	1264.4
130°	478.8	504.3	529.8	536.1	614.7	719.6	771.9	864.1	1048.5	1186.8	1207.4
132.5°	494.7	520.2	545.7	552.0	624.1	720.3	768.4	850.9	1016.0	1139.8	1158.2
135°	518.2	541.4	564.5	570.4	634.3	719.6	762.2	831.4	969.6	1073.3	1089.3
137.5°	542.2	565.1	588.2	593.9	649.6	724.0	761.2	819.5	936.4	1024.1	1037.1
140°	562.2	583.3	604.5	609.8	659.1	724.8	757.6	808.1	909.1	984.7	997.0
142.5°	577.5	597.0	616.6	621.6	666.9	727.4	757.6	802.0	890.6	957.1	967.5
145°	601.1	618.1	635.2	639.4	677.1	727.4	752.5	788.7	861.2	915.7	923.7
147.5°	624.6	641.2	657.8	662.0	692.1	732.3	752.5	781.0	838.1	880.9	887.5
150°	639.9	654.9	670.0	673.7	700.0	735.0	752.5	776.6	824.8	860.9	866.3
152.5°	655.8	667.2	678.6	681.4	705.1	736.7	752.5	773.0	814.2	845.0	849.1
155°	679.3	687.7	696.1	698.2	716.3	740.4	752.5	768.9	801.6	826.2	828.8
157.5°	696.7	704.9	713.0	715.1	727.6	744.2	752.5	765.2	790.7	809.8	811.6
160°	708.5	714.8	721.2	722.8	732.7	745.8	752.5	763.3	785.2	801.6	802.7
162.5°	720.3	725.0	729.8	731.0	738.1	747.7	752.5	761.6	780.1	794.0	794.9
165°	733.0	737.3	741.7	742.8	746.0	750.3	752.5	759.1	772.2	782.1	783.2
167.5°	744.9	746.8	748.9	749.4	752.2	755.8	757.6	761.9	770.5	777.1	777.6
170°	752.5	754.5	756.6	757.1	757.3	757.5	757.6	761.9	770.5	777.1	777.1
172.5°	756.6	757.0	757.5	757.6	757.6	757.6	757.6	761.0	767.8	772.9	772.5
175°	762.2	762.2	762.2	762.2	760.7	758.6	757.6	759.8	764.0	767.3	767.3
177.5°	762.2	762.2	762.2	762.2	761.1	759.4	758.6	760.3	763.7	766.3	765.8
180°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935518
 CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4
2.5°	1071.2	1068.2	1071.2	1069.2	1070.2	1067.2	1058.3	1055.4	1058.3	1061.3	1061.3
5°	1084.0	1082.1	1084.0	1084.0	1083.0	1081.1	1071.2	1069.2	1071.2	1072.2	1070.2
7.5°	1088.0	1085.0	1088.0	1086.0	1086.0	1084.0	1074.2	1072.2	1073.2	1076.1	1073.2
10°	1088.0	1085.0	1088.0	1087.0	1086.0	1084.0	1074.2	1070.2	1070.2	1073.2	1070.2
12.5°	1083.0	1081.1	1083.0	1081.1	1081.1	1079.1	1069.2	1065.3	1066.2	1067.2	1063.3
15°	1075.1	1072.2	1075.1	1073.2	1074.2	1071.2	1060.3	1056.4	1056.4	1058.3	1051.3
17.5°	1063.3	1059.3	1063.3	1062.3	1061.3	1059.3	1049.4	1045.4	1044.4	1045.4	1040.5
20°	1049.4	1046.4	1049.4	1048.4	1048.4	1044.4	1034.5	1029.6	1029.6	1029.6	1024.7
22.5°	1027.6	1024.7	1027.6	1029.6	1029.6	1028.6	1019.7	1012.8	1010.8	1010.8	1004.9
25°	1002.9	1000.0	1002.9	1002.9	1001.9	1002.9	1000.0	996.0	993.0	990.1	984.1
27.5°	979.2	977.2	979.2	977.2	979.2	976.2	975.3	974.3	970.3	967.4	959.4
30°	955.5	953.5	955.5	953.5	951.5	949.6	944.6	942.7	946.6	944.6	931.8
32.5°	925.9	923.9	925.9	925.9	923.9	923.9	916.0	913.0	914.0	919.9	908.1
35°	895.2	892.3	895.2	894.2	895.2	892.3	887.3	886.3	882.4	889.3	880.4
37.5°	859.7	856.7	859.7	859.7	859.7	861.6	857.7	854.7	848.8	857.7	850.8
40°	823.1	819.2	823.1	822.1	823.1	825.1	823.1	821.1	815.2	822.1	816.2
42.5°	781.6	780.6	781.6	782.6	782.6	786.5	789.5	785.6	783.6	778.6	782.6
45°	737.1	735.2	737.1	739.1	740.1	742.1	751.0	751.0	748.0	740.1	746.0
47.5°	689.7	684.8	689.7	695.7	695.7	698.6	707.5	714.4	709.5	699.6	702.6
50°	639.3	640.3	639.3	643.3	643.3	654.2	661.1	668.0	672.9	661.1	647.2
52.5°	589.9	588.9	589.9	592.9	596.9	601.8	613.6	620.6	628.5	621.6	599.8
55°	540.5	542.5	540.5	541.5	543.5	546.5	564.2	571.2	586.0	577.1	554.4
57.5°	491.1	488.2	491.1	493.1	494.1	497.1	511.9	524.7	533.6	534.6	506.9
60°	433.8	429.9	433.8	442.7	444.7	446.7	460.5	472.4	480.3	483.2	454.6
62.5°	383.4	376.5	383.4	389.4	393.3	398.3	408.1	425.9	432.8	433.8	393.3
65°	330.0	327.0	330.0	341.8	342.8	348.8	359.7	372.6	387.4	385.4	327.0
67.5°	281.6	281.6	281.6	289.5	295.4	298.4	312.2	318.1	336.9	338.9	272.7
70°	237.1	236.1	237.1	243.0	247.0	253.9	266.8	273.7	288.5	293.4	221.3
72.5°	194.6	193.6	194.6	199.6	203.5	209.5	220.3	228.2	241.1	247.0	171.9
75°	157.1	155.1	157.1	161.0	160.1	168.0	176.9	184.8	196.6	200.6	127.5
77.5°	120.5	120.5	120.5	124.5	124.5	132.4	136.3	146.2	153.1	159.1	93.9
80°	89.9	88.9	89.9	90.9	90.9	94.8	101.8	108.7	114.6	114.6	64.2
82.5°	63.2	61.3	63.2	63.2	63.2	65.2	69.2	71.1	75.1	78.1	40.5
85°	39.5	39.5	39.5	40.5	39.5	41.5	42.5	44.5	44.5	42.5	24.7
87.5°	25.7	24.7	25.7	24.7	24.7	23.7	23.7	23.7	22.7	21.7	13.8
90°	19.5	19.5	19.5	19.5	19.5	25.9	34.5	38.8	33.4	22.5	14.3
92.5°	77.9	62.4	77.9	93.4	97.2	137.8	191.9	218.9	192.3	138.8	98.7
95°	271.4	224.6	271.4	318.2	330.0	433.3	571.1	639.9	540.4	341.6	192.4
97.5°	650.3	561.2	650.3	739.4	761.6	827.0	914.0	957.6	791.7	460.0	211.2
100°	936.9	830.7	936.9	1043.0	1069.6	1064.9	1058.4	1055.3	871.2	503.2	227.1
102.5°	1218.9	1128.0	1218.9	1309.9	1332.6	1249.4	1138.5	1082.9	896.3	522.9	242.9
105°	1578.4	1529.5	1578.4	1627.2	1639.5	1453.0	1204.3	1079.9	899.2	537.7	266.6
107.5°	1813.9	1825.7	1813.9	1802.0	1799.0	1538.9	1192.0	1018.5	859.2	540.4	301.3
110°	1903.7	1954.6	1903.7	1852.8	1840.1	1549.2	1161.3	967.4	823.7	536.3	320.7



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1911.7	1989.9	1911.7	1833.5	1814.0	1516.3	1119.3	920.8	792.7	536.4	344.2
115°	1861.0	1969.5	1861.0	1752.5	1725.4	1438.6	1056.2	865.0	757.1	541.4	379.6
117.5°	1753.5	1873.7	1753.5	1633.2	1603.1	1344.3	999.2	826.7	735.0	551.5	413.9
120°	1666.9	1783.7	1666.9	1550.1	1520.8	1284.3	969.0	811.3	727.5	559.7	433.8
122.5°	1582.5	1697.8	1582.5	1467.3	1438.4	1225.5	941.6	799.6	723.5	571.5	457.3
125°	1462.1	1568.4	1462.1	1356.0	1329.5	1148.6	907.4	786.7	720.3	587.3	487.5
127.5°	1354.0	1443.6	1354.0	1264.4	1242.0	1086.7	879.5	776.0	718.4	603.1	516.6
130°	1290.2	1373.0	1290.2	1207.4	1186.8	1048.5	864.1	771.9	719.6	614.7	536.1
132.5°	1232.3	1306.4	1232.3	1158.2	1139.8	1016.0	850.9	768.4	720.3	624.1	552.0
135°	1153.1	1216.9	1153.1	1089.3	1073.3	969.6	831.4	762.2	719.6	634.3	570.4
137.5°	1089.5	1141.7	1089.5	1037.1	1024.1	936.4	819.5	761.2	724.0	649.6	593.9
140°	1045.8	1094.7	1045.8	997.0	984.7	909.1	808.1	757.6	724.8	659.1	609.8
142.5°	1009.6	1051.7	1009.6	967.5	957.1	890.6	802.0	757.6	727.4	666.9	621.6
145°	955.5	987.3	955.5	923.7	915.7	861.2	788.7	752.5	727.4	677.1	639.4
147.5°	913.8	940.2	913.8	887.5	880.9	838.1	781.0	752.5	732.3	692.1	662.0
150°	887.7	909.1	887.7	866.3	860.9	824.8	776.6	752.5	735.0	700.0	673.7
152.5°	865.2	881.4	865.2	849.1	845.0	814.2	773.0	752.5	736.7	705.1	681.4
155°	839.5	850.2	839.5	828.8	826.2	801.6	768.9	752.5	740.4	716.3	698.2
157.5°	819.2	826.7	819.2	811.6	809.8	790.7	765.2	752.5	744.2	727.6	715.1
160°	807.0	811.3	807.0	802.7	801.6	785.2	763.3	752.5	745.8	732.7	722.8
162.5°	799.1	803.1	799.1	794.9	794.0	780.1	761.6	752.5	747.7	738.1	731.0
165°	787.5	791.9	787.5	783.2	782.1	772.2	759.1	752.5	750.3	746.0	742.8
167.5°	779.3	781.1	779.3	777.6	777.1	770.5	761.9	757.6	755.8	752.2	749.4
170°	777.1	777.1	777.1	777.1	777.1	770.5	761.9	757.6	757.5	757.3	757.1
172.5°	770.9	769.4	770.9	772.5	772.9	767.8	761.0	757.6	757.6	757.6	757.6
175°	767.3	767.3	767.3	767.3	767.3	764.0	759.8	757.6	758.6	760.7	762.2
177.5°	764.0	762.2	764.0	765.8	766.3	763.7	760.3	758.6	759.4	761.1	762.2
180°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4
2.5°	1059.3	1053.3	1053.3	1043.4	1039.5	1036.5	1031.6	1016.8	1012.8	1008.8	1014.8
5°	1068.2	1057.4	1049.4	1031.6	1016.8	1010.8	992.1	956.5	932.8	915.0	905.1
7.5°	1070.2	1056.4	1041.5	1013.8	978.2	962.4	905.1	839.9	822.1	806.3	796.4
10°	1068.2	1052.3	1031.6	990.1	906.1	878.4	821.1	778.6	767.8	764.8	767.8
12.5°	1061.3	1046.4	1017.7	948.6	831.0	812.2	778.6	753.9	752.0	756.9	783.6
15°	1049.4	1035.5	1001.9	893.3	789.5	775.7	752.0	743.1	753.9	788.5	868.6
17.5°	1037.5	1021.7	980.2	838.9	757.9	748.0	731.2	749.0	810.3	856.7	883.4
20°	1021.7	1002.9	955.5	799.4	735.2	726.3	718.4	798.4	844.8	861.6	876.5
22.5°	1002.9	983.2	921.9	771.7	711.5	704.5	709.5	826.1	844.8	856.7	869.5
25°	978.2	961.4	882.4	750.0	692.7	684.8	703.6	823.1	834.0	836.9	862.6
27.5°	955.5	933.8	840.9	730.2	670.0	667.0	708.5	810.3	818.2	821.1	848.8
30°	927.8	895.2	794.5	709.5	646.3	645.3	709.5	794.5	792.5	800.4	828.0
32.5°	899.2	837.9	742.1	683.8	623.5	622.5	702.6	770.7	768.8	779.6	800.4
35°	872.5	793.5	671.0	654.2	594.9	595.9	685.8	743.1	744.1	753.9	766.8
37.5°	844.8	754.9	592.9	621.6	567.2	567.2	663.0	717.4	715.4	718.4	736.2
40°	812.2	694.7	523.7	579.1	541.5	538.6	635.4	689.7	682.8	681.8	706.5
42.5°	777.7	628.5	472.4	522.8	511.9	507.9	601.8	656.1	643.3	646.3	677.9
45°	740.1	610.7	432.8	441.7	481.3	478.3	565.2	617.6	608.7	616.6	649.2
47.5°	702.6	575.1	420.0	366.6	448.7	447.7	524.7	580.1	575.1	583.0	617.6
50°	651.2	535.6	419.0	314.2	412.1	416.0	476.3	543.5	543.5	550.4	587.0
52.5°	585.0	487.2	380.5	284.5	369.6	381.5	433.8	511.9	513.9	520.8	553.4
55°	524.7	436.8	352.8	261.8	319.1	344.8	392.3	479.3	483.2	490.1	519.8
57.5°	469.4	363.7	346.8	235.1	272.7	297.4	355.8	447.7	449.6	455.6	484.2
60°	410.1	262.8	318.1	206.5	232.2	251.0	322.1	410.1	417.0	421.0	445.7
62.5°	342.8	190.7	288.5	186.7	212.4	216.4	294.4	374.6	383.4	386.4	401.2
65°	244.0	160.1	245.0	169.9	191.7	192.7	264.8	337.9	345.8	350.7	361.7
67.5°	165.0	130.4	186.7	154.1	175.9	176.9	236.1	295.4	306.3	310.2	317.1
70°	114.6	86.9	138.3	137.3	158.1	160.1	205.5	256.9	266.8	269.7	273.7
72.5°	84.0	70.1	114.6	123.5	139.3	141.3	173.9	213.4	223.3	226.3	228.2
75°	64.2	74.1	92.9	107.7	118.6	119.5	142.3	173.9	180.8	182.8	183.8
77.5°	51.4	69.2	68.2	86.9	96.8	94.8	111.6	134.4	140.3	140.3	140.3
80°	38.5	54.3	51.4	62.2	71.1	69.2	80.0	95.8	97.8	99.8	98.8
82.5°	28.7	34.6	34.6	39.5	47.4	45.4	53.4	62.2	62.2	62.2	64.2
85°	17.8	19.8	15.8	20.7	26.7	25.7	29.6	33.6	34.6	34.6	32.6
87.5°	10.9	8.9	4.9	7.9	11.9	11.9	13.8	14.8	13.8	13.8	13.8
90°	13.3	9.2	5.1	9.2	13.3	14.3	22.5	33.4	38.8	34.5	25.9
92.5°	90.0	55.2	20.5	55.2	90.0	98.7	138.8	192.3	218.9	191.9	137.8
95°	176.5	112.7	49.1	112.7	176.5	192.4	341.6	540.4	639.9	571.1	433.3
97.5°	197.2	141.0	84.9	141.0	197.2	211.2	460.0	791.7	957.6	914.0	827.0
100°	214.4	163.5	112.5	163.5	214.4	227.1	503.2	871.2	1055.3	1058.4	1064.9
102.5°	231.1	183.6	136.0	183.6	231.1	242.9	522.9	896.3	1082.9	1138.5	1249.4
105°	256.5	216.3	176.0	216.3	256.5	266.6	537.7	899.2	1079.9	1204.3	1453.0
107.5°	292.0	254.4	216.9	254.4	292.0	301.3	540.4	859.2	1018.5	1192.0	1538.9
110°	312.2	278.4	244.5	278.4	312.2	320.7	536.3	823.7	967.4	1161.3	1549.2



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	336.1	303.9	271.6	303.9	336.1	344.2	536.4	792.7	920.8	1119.3	1516.3
115°	372.2	342.3	312.5	342.3	372.2	379.6	541.4	757.1	865.0	1056.2	1438.6
117.5°	407.2	380.1	353.0	380.1	407.2	413.9	551.5	735.0	826.7	999.2	1344.3
120°	427.5	402.0	376.5	402.0	427.5	433.8	559.7	727.5	811.3	969.0	1284.3
122.5°	450.9	425.2	399.5	425.2	450.9	457.3	571.5	723.5	799.6	941.6	1225.5
125°	481.6	458.2	434.8	458.2	481.6	487.5	587.3	720.3	786.7	907.4	1148.6
127.5°	510.7	487.1	463.5	487.1	510.7	516.6	603.1	718.4	776.0	879.5	1086.7
130°	529.8	504.3	478.8	504.3	529.8	536.1	614.7	719.6	771.9	864.1	1048.5
132.5°	545.7	520.2	494.7	520.2	545.7	552.0	624.1	720.3	768.4	850.9	1016.0
135°	564.5	541.4	518.2	541.4	564.5	570.4	634.3	719.6	762.2	831.4	969.6
137.5°	588.2	565.1	542.2	565.1	588.2	593.9	649.6	724.0	761.2	819.5	936.4
140°	604.5	583.3	562.2	583.3	604.5	609.8	659.1	724.8	757.6	808.1	909.1
142.5°	616.6	597.0	577.5	597.0	616.6	621.6	666.9	727.4	757.6	802.0	890.6
145°	635.2	618.1	601.1	618.1	635.2	639.4	677.1	727.4	752.5	788.7	861.2
147.5°	657.8	641.2	624.6	641.2	657.8	662.0	692.1	732.3	752.5	781.0	838.1
150°	670.0	654.9	639.9	654.9	670.0	673.7	700.0	735.0	752.5	776.6	824.8
152.5°	678.6	667.2	655.8	667.2	678.6	681.4	705.1	736.7	752.5	773.0	814.2
155°	696.1	687.7	679.3	687.7	696.1	698.2	716.3	740.4	752.5	768.9	801.6
157.5°	713.0	704.9	696.7	704.9	713.0	715.1	727.6	744.2	752.5	765.2	790.7
160°	721.2	714.8	708.5	714.8	721.2	722.8	732.7	745.8	752.5	763.3	785.2
162.5°	729.8	725.0	720.3	725.0	729.8	731.0	738.1	747.7	752.5	761.6	780.1
165°	741.7	737.3	733.0	737.3	741.7	742.8	746.0	750.3	752.5	759.1	772.2
167.5°	748.9	746.8	744.9	746.8	748.9	749.4	752.2	755.8	757.6	761.9	770.5
170°	756.6	754.5	752.5	754.5	756.6	757.1	757.3	757.5	757.6	761.9	770.5
172.5°	757.5	757.0	756.6	757.0	757.5	757.6	757.6	757.6	757.6	761.0	767.8
175°	762.2	762.2	762.2	762.2	762.2	762.2	760.7	758.6	757.6	759.8	764.0
177.5°	762.2	762.2	762.2	762.2	762.2	762.2	761.1	759.4	758.6	760.3	763.7
180°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935518
 CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4	1044.4
2.5°	1007.9	1004.9	1008.8	998.0	1008.8	1004.9	1007.9	1014.8	1008.8	1012.8	1016.8
5°	884.4	879.4	863.6	850.8	863.6	879.4	884.4	905.1	915.0	932.8	956.5
7.5°	790.5	786.5	782.6	774.7	782.6	786.5	790.5	796.4	806.3	822.1	839.9
10°	769.8	770.7	776.7	775.7	776.7	770.7	769.8	767.8	764.8	767.8	778.6
12.5°	823.1	832.0	864.6	862.6	864.6	832.0	823.1	783.6	756.9	752.0	753.9
15°	884.4	887.3	894.2	895.2	894.2	887.3	884.4	868.6	788.5	753.9	743.1
17.5°	890.3	891.3	896.2	896.2	896.2	891.3	890.3	883.4	856.7	810.3	749.0
20°	885.3	887.3	897.2	899.2	897.2	887.3	885.3	876.5	861.6	844.8	798.4
22.5°	883.4	887.3	895.2	894.2	895.2	887.3	883.4	869.5	856.7	844.8	826.1
25°	873.5	873.5	874.5	875.5	874.5	873.5	873.5	862.6	836.9	834.0	823.1
27.5°	852.7	854.7	860.6	859.7	860.6	854.7	852.7	848.8	821.1	818.2	810.3
30°	834.0	832.0	827.1	823.1	827.1	832.0	834.0	828.0	800.4	792.5	794.5
32.5°	802.4	797.4	792.5	789.5	792.5	797.4	802.4	800.4	779.6	768.8	770.7
35°	764.8	765.8	764.8	761.8	764.8	765.8	764.8	766.8	753.9	744.1	743.1
37.5°	738.1	740.1	739.1	735.2	739.1	740.1	738.1	736.2	718.4	715.4	717.4
40°	710.5	711.5	710.5	707.5	710.5	711.5	710.5	706.5	681.8	682.8	689.7
42.5°	683.8	682.8	679.8	677.9	679.8	682.8	683.8	677.9	646.3	643.3	656.1
45°	653.2	654.2	648.2	645.3	648.2	654.2	653.2	649.2	616.6	608.7	617.6
47.5°	622.5	622.5	617.6	614.6	617.6	622.5	622.5	617.6	583.0	575.1	580.1
50°	589.9	588.9	582.0	581.0	582.0	588.9	589.9	587.0	550.4	543.5	543.5
52.5°	552.4	552.4	553.4	555.4	553.4	552.4	552.4	553.4	520.8	513.9	511.9
55°	519.8	520.8	527.7	529.7	527.7	520.8	519.8	519.8	490.1	483.2	479.3
57.5°	486.2	486.2	491.1	491.1	491.1	486.2	486.2	484.2	455.6	449.6	447.7
60°	447.7	449.6	453.6	452.6	453.6	449.6	447.7	445.7	421.0	417.0	410.1
62.5°	407.2	409.1	410.1	408.1	410.1	409.1	407.2	401.2	386.4	383.4	374.6
65°	364.7	366.6	367.6	365.7	367.6	366.6	364.7	361.7	350.7	345.8	337.9
67.5°	321.1	320.1	319.1	323.1	319.1	320.1	321.1	317.1	310.2	306.3	295.4
70°	276.6	276.6	275.7	277.6	275.7	276.6	276.6	273.7	269.7	266.8	256.9
72.5°	229.2	228.2	232.2	229.2	232.2	228.2	229.2	228.2	226.3	223.3	213.4
75°	182.8	184.8	182.8	185.7	182.8	184.8	182.8	183.8	182.8	180.8	173.9
77.5°	139.3	141.3	139.3	139.3	139.3	141.3	139.3	140.3	140.3	140.3	134.4
80°	98.8	97.8	97.8	96.8	97.8	97.8	98.8	98.8	99.8	97.8	95.8
82.5°	63.2	62.2	62.2	64.2	62.2	62.2	63.2	64.2	62.2	62.2	62.2
85°	34.6	35.6	33.6	33.6	33.6	35.6	34.6	32.6	34.6	34.6	33.6
87.5°	12.8	11.9	11.9	11.9	11.9	11.9	12.8	13.8	13.8	13.8	14.8
90°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	25.9	34.5	38.8	33.4
92.5°	97.2	93.4	77.9	62.4	77.9	93.4	97.2	137.8	191.9	218.9	192.3
95°	330.0	318.2	271.4	224.6	271.4	318.2	330.0	433.3	571.1	639.9	540.4
97.5°	761.6	739.4	650.3	561.2	650.3	739.4	761.6	827.0	914.0	957.6	791.7
100°	1069.6	1043.0	936.9	830.7	936.9	1043.0	1069.6	1064.9	1058.4	1055.3	871.2
102.5°	1332.6	1309.9	1218.9	1128.0	1218.9	1309.9	1332.6	1249.4	1138.5	1082.9	896.3
105°	1639.5	1627.2	1578.4	1529.5	1578.4	1627.2	1639.5	1453.0	1204.3	1079.9	899.2
107.5°	1799.0	1802.0	1813.9	1825.7	1813.9	1802.0	1799.0	1538.9	1192.0	1018.5	859.2
110°	1840.1	1852.8	1903.7	1954.6	1903.7	1852.8	1840.1	1549.2	1161.3	967.4	823.7



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1814.0	1833.5	1911.7	1989.9	1911.7	1833.5	1814.0	1516.3	1119.3	920.8	792.7
115°	1725.4	1752.5	1861.0	1969.5	1861.0	1752.5	1725.4	1438.6	1056.2	865.0	757.1
117.5°	1603.1	1633.2	1753.5	1873.7	1753.5	1633.2	1603.1	1344.3	999.2	826.7	735.0
120°	1520.8	1550.1	1666.9	1783.7	1666.9	1550.1	1520.8	1284.3	969.0	811.3	727.5
122.5°	1438.4	1467.3	1582.5	1697.8	1582.5	1467.3	1438.4	1225.5	941.6	799.6	723.5
125°	1329.5	1356.0	1462.1	1568.4	1462.1	1356.0	1329.5	1148.6	907.4	786.7	720.3
127.5°	1242.0	1264.4	1354.0	1443.6	1354.0	1264.4	1242.0	1086.7	879.5	776.0	718.4
130°	1186.8	1207.4	1290.2	1373.0	1290.2	1207.4	1186.8	1048.5	864.1	771.9	719.6
132.5°	1139.8	1158.2	1232.3	1306.4	1232.3	1158.2	1139.8	1016.0	850.9	768.4	720.3
135°	1073.3	1089.3	1153.1	1216.9	1153.1	1089.3	1073.3	969.6	831.4	762.2	719.6
137.5°	1024.1	1037.1	1089.5	1141.7	1089.5	1037.1	1024.1	936.4	819.5	761.2	724.0
140°	984.7	997.0	1045.8	1094.7	1045.8	997.0	984.7	909.1	808.1	757.6	724.8
142.5°	957.1	967.5	1009.6	1051.7	1009.6	967.5	957.1	890.6	802.0	757.6	727.4
145°	915.7	923.7	955.5	987.3	955.5	923.7	915.7	861.2	788.7	752.5	727.4
147.5°	880.9	887.5	913.8	940.2	913.8	887.5	880.9	838.1	781.0	752.5	732.3
150°	860.9	866.3	887.7	909.1	887.7	866.3	860.9	824.8	776.6	752.5	735.0
152.5°	845.0	849.1	865.2	881.4	865.2	849.1	845.0	814.2	773.0	752.5	736.7
155°	826.2	828.8	839.5	850.2	839.5	828.8	826.2	801.6	768.9	752.5	740.4
157.5°	809.8	811.6	819.2	826.7	819.2	811.6	809.8	790.7	765.2	752.5	744.2
160°	801.6	802.7	807.0	811.3	807.0	802.7	801.6	785.2	763.3	752.5	745.8
162.5°	794.0	794.9	799.1	803.1	799.1	794.9	794.0	780.1	761.6	752.5	747.7
165°	782.1	783.2	787.5	791.9	787.5	783.2	782.1	772.2	759.1	752.5	750.3
167.5°	777.1	777.6	779.3	781.1	779.3	777.6	777.1	770.5	761.9	757.6	755.8
170°	777.1	777.1	777.1	777.1	777.1	777.1	777.1	770.5	761.9	757.6	757.5
172.5°	772.9	772.5	770.9	769.4	770.9	772.5	772.9	767.8	761.0	757.6	757.6
175°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	764.0	759.8	757.6	758.6
177.5°	766.3	765.8	764.0	762.2	764.0	765.8	766.3	763.7	760.3	758.6	759.4
180°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1044.4	1044.4	1044.4	1044.4	1044.4
2.5°	1031.6	1036.5	1039.5	1043.4	1053.3
5°	992.1	1010.8	1016.8	1031.6	1049.4
7.5°	905.1	962.4	978.2	1013.8	1041.5
10°	821.1	878.4	906.1	990.1	1031.6
12.5°	778.6	812.2	831.0	948.6	1017.7
15°	752.0	775.7	789.5	893.3	1001.9
17.5°	731.2	748.0	757.9	838.9	980.2
20°	718.4	726.3	735.2	799.4	955.5
22.5°	709.5	704.5	711.5	771.7	921.9
25°	703.6	684.8	692.7	750.0	882.4
27.5°	708.5	667.0	670.0	730.2	840.9
30°	709.5	645.3	646.3	709.5	794.5
32.5°	702.6	622.5	623.5	683.8	742.1
35°	685.8	595.9	594.9	654.2	671.0
37.5°	663.0	567.2	567.2	621.6	592.9
40°	635.4	538.6	541.5	579.1	523.7
42.5°	601.8	507.9	511.9	522.8	472.4
45°	565.2	478.3	481.3	441.7	432.8
47.5°	524.7	447.7	448.7	366.6	420.0
50°	476.3	416.0	412.1	314.2	419.0
52.5°	433.8	381.5	369.6	284.5	380.5
55°	392.3	344.8	319.1	261.8	352.8
57.5°	355.8	297.4	272.7	235.1	346.8
60°	322.1	251.0	232.2	206.5	318.1
62.5°	294.4	216.4	212.4	186.7	288.5
65°	264.8	192.7	191.7	169.9	245.0
67.5°	236.1	176.9	175.9	154.1	186.7
70°	205.5	160.1	158.1	137.3	138.3
72.5°	173.9	141.3	139.3	123.5	114.6
75°	142.3	119.5	118.6	107.7	92.9
77.5°	111.6	94.8	96.8	86.9	68.2
80°	80.0	69.2	71.1	62.2	51.4
82.5°	53.4	45.4	47.4	39.5	34.6
85°	29.6	25.7	26.7	20.7	15.8
87.5°	13.8	11.9	11.9	7.9	4.9
90°	22.5	14.3	13.3	9.2	5.1
92.5°	138.8	98.7	90.0	55.2	20.5
95°	341.6	192.4	176.5	112.7	49.1
97.5°	460.0	211.2	197.2	141.0	84.9
100°	503.2	227.1	214.4	163.5	112.5
102.5°	522.9	242.9	231.1	183.6	136.0
105°	537.7	266.6	256.5	216.3	176.0
107.5°	540.4	301.3	292.0	254.4	216.9
110°	536.3	320.7	312.2	278.4	244.5



TEST NUMBER: P935518

CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	536.4	344.2	336.1	303.9	271.6
115°	541.4	379.6	372.2	342.3	312.5
117.5°	551.5	413.9	407.2	380.1	353.0
120°	559.7	433.8	427.5	402.0	376.5
122.5°	571.5	457.3	450.9	425.2	399.5
125°	587.3	487.5	481.6	458.2	434.8
127.5°	603.1	516.6	510.7	487.1	463.5
130°	614.7	536.1	529.8	504.3	478.8
132.5°	624.1	552.0	545.7	520.2	494.7
135°	634.3	570.4	564.5	541.4	518.2
137.5°	649.6	593.9	588.2	565.1	542.2
140°	659.1	609.8	604.5	583.3	562.2
142.5°	666.9	621.6	616.6	597.0	577.5
145°	677.1	639.4	635.2	618.1	601.1
147.5°	692.1	662.0	657.8	641.2	624.6
150°	700.0	673.7	670.0	654.9	639.9
152.5°	705.1	681.4	678.6	667.2	655.8
155°	716.3	698.2	696.1	687.7	679.3
157.5°	727.6	715.1	713.0	704.9	696.7
160°	732.7	722.8	721.2	714.8	708.5
162.5°	738.1	731.0	729.8	725.0	720.3
165°	746.0	742.8	741.7	737.3	733.0
167.5°	752.2	749.4	748.9	746.8	744.9
170°	757.3	757.1	756.6	754.5	752.5
172.5°	757.6	757.6	757.5	757.0	756.6
175°	760.7	762.2	762.2	762.2	762.2
177.5°	761.1	762.2	762.2	762.2	762.2
180°	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935518
 CATALOG NUMBER: SQ4-FA-125U-075D-840-1D-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	11.16	11.91	12.24	12.98	14.45	13.96	14.70	15.03	15.78	17.24
	3H	11.63	12.30	12.71	13.38	14.86	15.29	15.95	16.37	17.04	18.52
	4H	11.82	12.45	12.91	13.53	15.02	15.72	16.35	16.81	17.43	18.92
	6H	11.93	12.51	13.03	13.60	15.10	15.99	16.57	17.09	17.66	19.16
	8H	11.93	12.48	13.03	13.58	15.08	16.06	16.61	17.16	17.71	19.21
	12H	11.89	12.42	13.01	13.52	15.04	16.09	16.61	17.20	17.71	19.23
4H	2H	12.17	12.81	13.27	13.89	15.38	14.36	14.99	15.46	16.07	17.56
	3H	13.19	13.71	14.30	14.83	16.33	15.84	16.37	16.95	17.48	18.98
	4H	13.46	13.94	14.57	15.04	16.57	16.36	16.84	17.47	17.94	19.47
	6H	13.58	13.99	14.70	15.12	16.63	16.71	17.12	17.83	18.25	19.76
	8H	13.58	13.97	14.70	15.08	16.62	16.81	17.19	17.93	18.31	19.84
	12H	13.54	13.89	14.68	15.02	16.56	16.85	17.20	17.99	18.33	19.87
8H	4H	13.90	14.29	15.02	15.40	16.93	16.47	16.86	17.59	17.98	19.51
	6H	14.16	14.47	15.30	15.63	17.16	16.90	17.22	18.04	18.37	19.90
	8H	14.20	14.48	15.34	15.61	17.16	17.04	17.32	18.19	18.46	20.01
	12H	14.18	14.42	15.33	15.56	17.14	17.13	17.38	18.28	18.51	20.09
12H	4H	13.90	14.25	15.03	15.38	16.91	16.43	16.78	17.57	17.91	19.45
	6H	14.21	14.49	15.36	15.63	17.18	16.89	17.17	18.04	18.31	19.86
	8H	14.27	14.52	15.42	15.66	17.24	17.04	17.29	18.19	18.42	20.01