

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: P935583

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935583
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-B2750-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

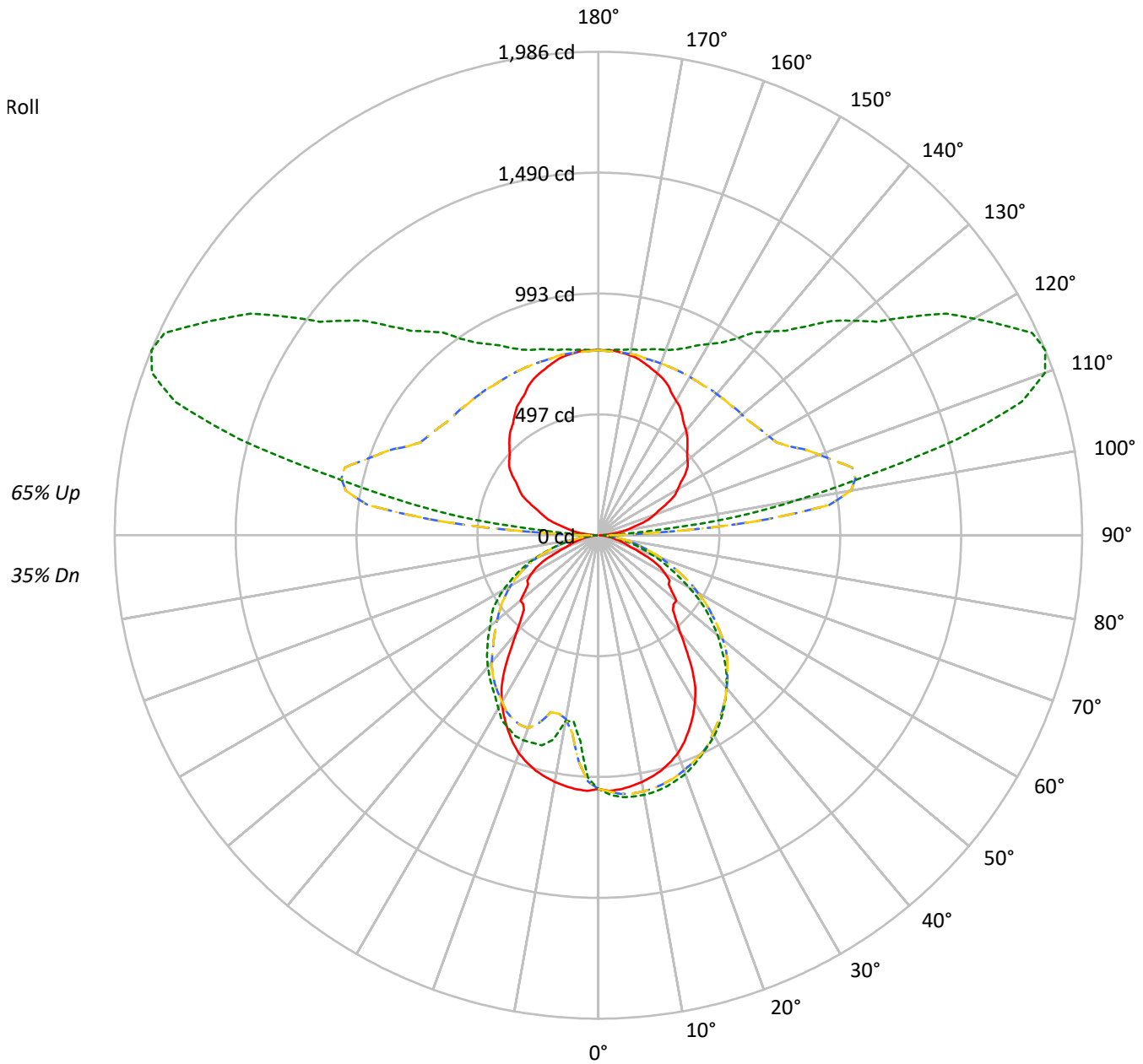
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7636.5 lumens
Efficiency: N/A
Efficacy: 137.3 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: P935583
CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

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	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°	9672	9672	9672	9672
5°	9733	9764	9733	7677
10°	9658	9618	9658	6876
15°	9542	9410	9542	7857
20°	9332	9162	9332	7873
25°	8912	8802	8912	7706
30°	8374	8503	8374	7340
35°	7455	8126	7455	6938
40°	6201	7680	6201	6634
45°	5531	7159	5531	6284
50°	5862	6538	5862	5933
55°	5500	5869	5500	5730
60°	5648	4985	5648	5248
65°	5095	4120	5095	4606
70°	3503	3284	3503	3860
75°	3040	2427	3040	2907
80°	2401	1604	2401	1747
85°	1308	849	1308	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8492 cd/sqm



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	1.2
10°-20°	267.1	3.5
20°-30°	413.0	5.4
30°-40°	493.0	6.5
40°-50°	495.9	6.5
50°-60°	431.5	5.7
60°-70°	305.9	4.0
70°-80°	161.8	2.1
80°-90°	43.2	0.6
90°-100°	370.8	4.9
100°-110°	974.8	12.8
110°-120°	1010.8	13.2
120°-130°	810.8	10.6
130°-140°	636.2	8.3
140°-150°	488.3	6.4
150°-160°	351.6	4.6
160°-170°	215.2	2.8
170°-180°	72.7	1.0
0°-30°	774.2	10.1
0°-40°	1267.2	16.6
0°-60°	2194.5	28.7
0°-90°	2705.5	35.4
90°-120°	2356.4	30.9
90°-150°	4291.6	56.2
90°-180°	4931.0	64.6
0°-180°	7636.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1042	1042	1042	1042	1042	
5°	1047	1080	1047	849	1047	99
15°	1000	1070	1000	893	1000	281
25°	881	998	881	874	881	404
35°	670	890	670	760	670	414
45°	432	734	432	644	432	346
55°	352	541	352	529	352	324
65°	244	326	244	365	244	234
75°	93	155	93	185	93	97
85°	16	39	16	34	16	21
90°	5	19	5	19	5	5
95°	49	224	49	224	49	54
105°	176	1526	176	1526	176	186
115°	312	1966	312	1966	312	308
125°	434	1565	434	1565	434	385
135°	517	1214	517	1214	517	400
145°	600	985	600	985	600	376
155°	678	848	678	848	678	312
165°	732	790	732	790	732	206
175°	761	766	761	766	761	72
180°	761	761	761	761	761	



TEST NUMBER: P935583
 CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3
2.5°	1051.2	1051.2	1057.2	1059.2	1059.2	1056.2	1053.2	1056.2	1065.1	1068.0	1067.0
5°	1047.2	1055.2	1066.1	1068.0	1070.0	1069.0	1067.0	1069.0	1078.9	1080.9	1081.8
7.5°	1039.3	1054.2	1068.0	1071.0	1074.0	1071.0	1070.0	1072.0	1081.8	1083.8	1083.8
10°	1029.5	1050.2	1066.1	1068.0	1071.0	1068.0	1068.0	1072.0	1081.8	1083.8	1084.8
12.5°	1015.7	1044.3	1059.2	1061.1	1065.1	1064.1	1063.1	1067.0	1076.9	1078.9	1078.9
15°	999.9	1033.4	1047.2	1049.2	1056.2	1054.2	1054.2	1058.2	1069.0	1072.0	1071.0
17.5°	978.2	1019.6	1035.4	1038.4	1043.3	1042.3	1043.3	1047.2	1057.2	1059.2	1060.1
20°	953.6	1000.9	1019.6	1022.6	1027.5	1027.5	1027.5	1032.4	1042.3	1046.2	1046.2
22.5°	920.0	981.2	1000.9	1002.9	1008.8	1008.8	1010.7	1017.7	1026.5	1027.5	1027.5
25°	880.6	959.5	976.2	982.2	988.1	991.0	994.0	997.9	1000.9	999.9	1000.9
27.5°	839.2	931.9	953.6	957.5	965.4	968.4	972.3	973.3	974.3	977.2	975.3
30°	792.8	893.4	926.0	929.9	942.7	944.7	940.7	942.7	947.6	949.6	951.6
32.5°	740.6	836.2	897.4	906.2	918.1	912.1	911.2	914.1	922.0	922.0	924.0
35°	669.6	791.9	870.7	878.6	887.5	880.6	884.5	885.5	890.5	893.4	892.4
37.5°	591.7	753.4	843.1	849.0	855.9	847.1	853.0	855.9	859.9	857.9	857.9
40°	522.7	693.3	810.6	814.5	820.5	813.5	819.5	821.4	823.4	821.4	820.5
42.5°	471.4	627.2	776.1	781.0	777.1	782.0	784.0	787.9	785.0	781.0	781.0
45°	432.0	609.4	738.6	744.5	738.6	746.5	749.5	749.5	740.6	738.6	737.6
47.5°	419.1	574.0	701.1	701.1	698.2	708.0	713.0	706.1	697.2	694.2	694.2
50°	418.2	534.5	649.9	645.9	659.7	671.6	666.6	659.7	652.8	642.0	642.0
52.5°	379.7	486.2	583.8	598.6	620.3	627.2	619.3	612.4	600.6	595.6	591.7
55°	352.1	435.9	523.7	553.2	575.9	584.8	570.0	563.1	545.4	542.4	540.4
57.5°	346.1	362.9	468.4	505.9	533.5	532.5	523.7	510.8	496.1	493.1	492.1
60°	317.5	262.3	409.3	453.7	482.3	479.3	471.4	459.6	445.8	443.8	441.8
62.5°	287.9	190.3	342.1	392.5	433.0	432.0	425.1	407.3	397.5	392.5	388.6
65°	244.5	159.7	243.5	326.4	384.6	386.6	371.8	359.0	348.1	342.1	341.2
67.5°	186.4	130.2	164.7	272.1	338.2	336.2	317.5	311.6	297.8	294.8	288.9
70°	138.0	86.8	114.4	220.9	292.8	287.9	273.1	266.2	253.4	246.5	242.6
72.5°	114.4	70.0	83.8	171.6	246.5	240.6	227.8	219.9	209.0	203.1	199.2
75°	92.7	74.0	64.1	127.2	200.2	196.2	184.4	176.5	167.6	159.7	160.7
77.5°	68.0	69.0	51.3	93.7	158.7	152.8	145.9	136.1	132.1	124.2	124.2
80°	51.3	54.2	38.5	64.1	114.4	114.4	108.5	101.6	94.7	90.7	90.7
82.5°	34.5	34.5	28.6	40.4	77.9	74.9	71.0	69.0	65.1	63.1	63.1
85°	15.8	19.7	17.7	24.6	42.4	44.4	44.4	42.4	41.4	39.4	40.4
87.5°	4.9	8.9	10.8	13.8	21.7	22.7	23.7	23.7	23.7	24.6	24.6
90°	5.1	9.2	13.3	14.3	22.5	33.3	38.7	34.4	25.8	19.4	19.4
92.5°	20.4	55.1	89.8	98.5	138.5	191.9	218.5	191.5	137.5	97.0	93.2
95°	49.0	112.5	176.1	192.0	340.9	539.3	638.6	569.9	432.5	329.3	317.6
97.5°	84.7	140.7	196.8	210.8	459.1	790.1	955.6	912.1	825.3	760.1	737.9
100°	112.3	163.2	214.0	226.7	502.2	869.5	1053.1	1056.3	1062.7	1067.4	1040.9
102.5°	135.8	183.2	230.6	242.5	521.9	894.5	1080.8	1136.2	1246.9	1329.9	1307.2
105°	175.6	215.8	256.0	266.0	536.6	897.4	1077.7	1201.8	1450.0	1636.2	1623.9
107.5°	216.4	253.9	291.4	300.7	539.3	857.4	1016.5	1189.6	1535.8	1795.4	1798.4
110°	244.0	277.9	311.6	320.1	535.2	822.0	965.4	1158.9	1546.0	1836.3	1849.0



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	271.1	303.3	335.4	343.5	535.3	791.1	919.0	1117.0	1513.2	1810.3	1829.8
115°	311.9	341.6	371.4	378.8	540.3	755.6	863.2	1054.0	1435.7	1722.0	1749.0
117.5°	352.3	379.3	406.3	413.0	550.4	733.5	825.0	997.1	1341.6	1599.9	1629.9
120°	375.8	401.2	426.6	433.0	558.6	726.0	809.7	967.1	1281.7	1517.7	1546.9
122.5°	398.7	424.4	450.0	456.4	570.3	722.0	798.0	939.7	1223.0	1435.5	1464.3
125°	433.9	457.3	480.7	486.5	586.1	718.8	785.2	905.5	1146.2	1326.8	1353.3
127.5°	462.5	486.1	509.7	515.6	601.9	716.9	774.4	877.7	1084.5	1239.5	1261.9
130°	477.8	503.3	528.7	535.0	613.5	718.1	770.4	862.4	1046.3	1184.4	1205.0
132.5°	493.7	519.1	544.6	550.9	622.9	718.8	766.8	849.1	1013.9	1137.4	1155.9
135°	517.2	540.3	563.4	569.2	633.0	718.1	760.7	829.7	967.7	1071.1	1087.1
137.5°	541.1	564.0	587.0	592.7	648.3	722.5	759.6	817.9	934.5	1022.0	1035.0
140°	561.0	582.1	603.2	608.6	657.8	723.3	756.1	806.4	907.2	982.7	995.0
142.5°	576.3	595.8	615.4	620.3	665.6	725.9	756.1	800.3	888.8	955.1	965.6
145°	599.9	616.8	633.9	638.1	675.7	725.9	750.9	787.1	859.5	913.8	921.8
147.5°	623.3	639.9	656.5	660.6	690.7	730.8	750.9	779.4	836.4	879.1	885.7
150°	638.6	653.6	668.6	672.4	698.6	733.5	750.9	775.0	823.1	859.2	864.5
152.5°	654.5	665.8	677.2	680.0	703.7	735.2	750.9	771.4	812.6	843.3	847.4
155°	678.0	686.4	694.7	696.8	714.8	738.9	750.9	767.3	799.9	824.5	827.2
157.5°	695.3	703.5	711.6	713.7	726.1	742.7	750.9	763.7	789.1	808.1	810.0
160°	707.1	713.4	719.8	721.4	731.2	744.3	750.9	761.8	783.6	799.9	801.0
162.5°	718.8	723.5	728.4	729.5	736.6	746.2	750.9	760.1	778.5	792.3	793.3
165°	731.5	735.9	740.2	741.3	744.5	748.8	750.9	757.5	770.7	780.5	781.6
167.5°	743.3	745.3	747.4	747.9	750.6	754.3	756.1	760.4	769.0	775.5	776.0
170°	750.9	753.0	755.1	755.6	755.8	756.0	756.1	760.4	769.0	775.5	775.5
172.5°	755.1	755.5	756.0	756.1	756.1	756.1	756.1	759.4	766.2	771.3	771.0
175°	760.7	760.7	760.7	760.7	759.1	757.1	756.1	758.2	762.5	765.7	765.7
177.5°	760.7	760.7	760.7	760.7	759.5	757.8	757.1	758.7	762.2	764.7	764.2
180°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3
2.5°	1069.0	1066.1	1069.0	1067.0	1068.0	1065.1	1056.2	1053.2	1056.2	1059.2	1059.2
5°	1081.8	1079.9	1081.8	1081.8	1080.9	1078.9	1069.0	1067.0	1069.0	1070.0	1068.0
7.5°	1085.8	1082.8	1085.8	1083.8	1083.8	1081.8	1072.0	1070.0	1071.0	1074.0	1071.0
10°	1085.8	1082.8	1085.8	1084.8	1083.8	1081.8	1072.0	1068.0	1068.0	1071.0	1068.0
12.5°	1080.9	1078.9	1080.9	1078.9	1078.9	1076.9	1067.0	1063.1	1064.1	1065.1	1061.1
15°	1073.0	1070.0	1073.0	1071.0	1072.0	1069.0	1058.2	1054.2	1054.2	1056.2	1049.2
17.5°	1061.1	1057.2	1061.1	1060.1	1059.2	1057.2	1047.2	1043.3	1042.3	1043.3	1038.4
20°	1047.2	1044.3	1047.2	1046.2	1046.2	1042.3	1032.4	1027.5	1027.5	1027.5	1022.6
22.5°	1025.5	1022.6	1025.5	1027.5	1027.5	1026.5	1017.7	1010.7	1008.8	1008.8	1002.9
25°	1000.9	997.9	1000.9	1000.9	999.9	1000.9	997.9	994.0	991.0	988.1	982.2
27.5°	977.2	975.3	977.2	975.3	977.2	974.3	973.3	972.3	968.4	965.4	957.5
30°	953.6	951.6	953.6	951.6	949.6	947.6	942.7	940.7	944.7	942.7	929.9
32.5°	924.0	922.0	924.0	924.0	922.0	922.0	914.1	911.2	912.1	918.1	906.2
35°	893.4	890.5	893.4	892.4	893.4	890.5	885.5	884.5	880.6	887.5	878.6
37.5°	857.9	855.0	857.9	857.9	857.9	859.9	855.9	853.0	847.1	855.9	849.0
40°	821.4	817.5	821.4	820.5	821.4	823.4	821.4	819.5	813.5	820.5	814.5
42.5°	780.0	779.0	780.0	781.0	781.0	785.0	787.9	784.0	782.0	777.1	781.0
45°	735.7	733.7	735.7	737.6	738.6	740.6	749.5	749.5	746.5	738.6	744.5
47.5°	688.3	683.4	688.3	694.2	694.2	697.2	706.1	713.0	708.0	698.2	701.1
50°	638.0	639.0	638.0	642.0	642.0	652.8	659.7	666.6	671.6	659.7	645.9
52.5°	588.7	587.8	588.7	591.7	595.6	600.6	612.4	619.3	627.2	620.3	598.6
55°	539.4	541.4	539.4	540.4	542.4	545.4	563.1	570.0	584.8	575.9	553.2
57.5°	490.1	487.2	490.1	492.1	493.1	496.1	510.8	523.7	532.5	533.5	505.9
60°	433.0	429.0	433.0	441.8	443.8	445.8	459.6	471.4	479.3	482.3	453.7
62.5°	382.7	375.8	382.7	388.6	392.5	397.5	407.3	425.1	432.0	433.0	392.5
65°	329.3	326.4	329.3	341.2	342.1	348.1	359.0	371.8	386.6	384.6	326.4
67.5°	281.0	281.0	281.0	288.9	294.8	297.8	311.6	317.5	336.2	338.2	272.1
70°	236.6	235.7	236.6	242.6	246.5	253.4	266.2	273.1	287.9	292.8	220.9
72.5°	194.2	193.3	194.2	199.2	203.1	209.0	219.9	227.8	240.6	246.5	171.6
75°	156.8	154.8	156.8	160.7	159.7	167.6	176.5	184.4	196.2	200.2	127.2
77.5°	120.3	120.3	120.3	124.2	124.2	132.1	136.1	145.9	152.8	158.7	93.7
80°	89.7	88.7	89.7	90.7	90.7	94.7	101.6	108.5	114.4	114.4	64.1
82.5°	63.1	61.1	63.1	63.1	63.1	65.1	69.0	71.0	74.9	77.9	40.4
85°	39.4	39.4	39.4	40.4	39.4	41.4	42.4	44.4	44.4	42.4	24.6
87.5°	25.6	24.6	25.6	24.6	24.6	23.7	23.7	23.7	22.7	21.7	13.8
90°	19.4	19.4	19.4	19.4	19.4	25.8	34.4	38.7	33.3	22.5	14.3
92.5°	77.7	62.3	77.7	93.2	97.0	137.5	191.5	218.5	191.9	138.5	98.5
95°	270.9	224.1	270.9	317.6	329.3	432.5	569.9	638.6	539.3	340.9	192.0
97.5°	649.0	560.0	649.0	737.9	760.1	825.3	912.1	955.6	790.1	459.1	210.8
100°	935.0	829.0	935.0	1040.9	1067.4	1062.7	1056.3	1053.1	869.5	502.2	226.7
102.5°	1216.4	1125.7	1216.4	1307.2	1329.9	1246.9	1136.2	1080.8	894.5	521.9	242.5
105°	1575.2	1526.4	1575.2	1623.9	1636.2	1450.0	1201.8	1077.7	897.4	536.6	266.0
107.5°	1810.2	1822.0	1810.2	1798.4	1795.4	1535.8	1189.6	1016.5	857.4	539.3	300.7
110°	1899.8	1950.6	1899.8	1849.0	1836.3	1546.0	1158.9	965.4	822.0	535.2	320.1



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1907.8	1985.9	1907.8	1829.8	1810.3	1513.2	1117.0	919.0	791.1	535.3	343.5
115°	1857.2	1965.5	1857.2	1749.0	1722.0	1435.7	1054.0	863.2	755.6	540.3	378.8
117.5°	1750.0	1869.9	1750.0	1629.9	1599.9	1341.6	997.1	825.0	733.5	550.4	413.0
120°	1663.5	1780.1	1663.5	1546.9	1517.7	1281.7	967.1	809.7	726.0	558.6	433.0
122.5°	1579.3	1694.3	1579.3	1464.3	1435.5	1223.0	939.7	798.0	722.0	570.3	456.4
125°	1459.2	1565.2	1459.2	1353.3	1326.8	1146.2	905.5	785.2	718.8	586.1	486.5
127.5°	1351.2	1440.6	1351.2	1261.9	1239.5	1084.5	877.7	774.4	716.9	601.9	515.6
130°	1287.6	1370.2	1287.6	1205.0	1184.4	1046.3	862.4	770.4	718.1	613.5	535.0
132.5°	1229.8	1303.8	1229.8	1155.9	1137.4	1013.9	849.1	766.8	718.8	622.9	550.9
135°	1150.8	1214.5	1150.8	1087.1	1071.1	967.7	829.7	760.7	718.1	633.0	569.2
137.5°	1087.3	1139.4	1087.3	1035.0	1022.0	934.5	817.9	759.6	722.5	648.3	592.7
140°	1043.7	1092.5	1043.7	995.0	982.7	907.2	806.4	756.1	723.3	657.8	608.6
142.5°	1007.6	1049.6	1007.6	965.6	955.1	888.8	800.3	756.1	725.9	665.6	620.3
145°	953.6	985.3	953.6	921.8	913.8	859.5	787.1	750.9	725.9	675.7	638.1
147.5°	912.0	938.3	912.0	885.7	879.1	836.4	779.4	750.9	730.8	690.7	660.6
150°	885.9	907.2	885.9	864.5	859.2	823.1	775.0	750.9	733.5	698.6	672.4
152.5°	863.4	879.6	863.4	847.4	843.3	812.6	771.4	750.9	735.2	703.7	680.0
155°	837.8	848.5	837.8	827.2	824.5	799.9	767.3	750.9	738.9	714.8	696.8
157.5°	817.5	825.0	817.5	810.0	808.1	789.1	763.7	750.9	742.7	726.1	713.7
160°	805.4	809.7	805.4	801.0	799.9	783.6	761.8	750.9	744.3	731.2	721.4
162.5°	797.5	801.5	797.5	793.3	792.3	778.5	760.1	750.9	746.2	736.6	729.5
165°	785.9	790.3	785.9	781.6	780.5	770.7	757.5	750.9	748.8	744.5	741.3
167.5°	777.8	779.5	777.8	776.0	775.5	769.0	760.4	756.1	754.3	750.6	747.9
170°	775.5	775.5	775.5	775.5	775.5	769.0	760.4	756.1	756.0	755.8	755.6
172.5°	769.4	767.8	769.4	771.0	771.3	766.2	759.4	756.1	756.1	756.1	756.1
175°	765.7	765.7	765.7	765.7	765.7	762.5	758.2	756.1	757.1	759.1	760.7
177.5°	762.5	760.7	762.5	764.2	764.7	762.2	758.7	757.1	757.8	759.5	760.7
180°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3
2.5°	1057.2	1051.2	1051.2	1041.3	1037.4	1034.4	1029.5	1014.7	1010.7	1006.8	1012.7
5°	1066.1	1055.2	1047.2	1029.5	1014.7	1008.8	990.0	954.5	930.9	913.1	903.3
7.5°	1068.0	1054.2	1039.3	1011.7	976.2	960.5	903.3	838.2	820.5	804.7	794.8
10°	1066.1	1050.2	1029.5	988.1	904.3	876.7	819.5	777.1	766.2	763.3	766.2
12.5°	1059.2	1044.3	1015.7	946.7	829.3	810.6	777.1	752.4	750.4	755.4	782.0
15°	1047.2	1033.4	999.9	891.4	787.9	774.1	750.4	741.6	752.4	786.9	866.8
17.5°	1035.4	1019.6	978.2	837.2	756.4	746.5	729.7	747.5	808.6	855.0	881.6
20°	1019.6	1000.9	953.6	797.8	733.7	724.8	716.9	796.8	843.1	859.9	874.7
22.5°	1000.9	981.2	920.0	770.2	710.0	703.1	708.0	824.4	843.1	855.0	867.8
25°	976.2	959.5	880.6	748.5	691.3	683.4	702.1	821.4	832.3	835.2	860.9
27.5°	953.6	931.9	839.2	728.8	668.6	665.6	707.1	808.6	816.5	819.5	847.1
30°	926.0	893.4	792.8	708.0	644.9	644.0	708.0	792.8	790.9	798.8	826.4
32.5°	897.4	836.2	740.6	682.4	622.3	621.3	701.1	769.2	767.2	778.1	798.8
35°	870.7	791.9	669.6	652.8	593.7	594.7	684.4	741.6	742.6	752.4	765.2
37.5°	843.1	753.4	591.7	620.3	566.1	566.1	661.7	715.9	714.0	716.9	734.7
40°	810.6	693.3	522.7	577.9	540.4	537.5	634.1	688.3	681.4	680.4	705.1
42.5°	776.1	627.2	471.4	521.7	510.8	506.9	600.6	654.8	642.0	644.9	676.5
45°	738.6	609.4	432.0	440.8	480.3	477.3	564.1	616.3	607.5	615.4	647.9
47.5°	701.1	574.0	419.1	365.9	447.7	446.8	523.7	578.9	574.0	581.8	616.3
50°	649.9	534.5	418.2	313.5	411.3	415.2	475.4	542.4	542.4	549.3	585.8
52.5°	583.8	486.2	379.7	284.0	368.9	380.7	433.0	510.8	512.8	519.7	552.3
55°	523.7	435.9	352.1	261.3	318.5	344.1	391.5	478.3	482.3	489.2	518.7
57.5°	468.4	362.9	346.1	234.7	272.1	296.8	355.1	446.8	448.7	454.6	483.2
60°	409.3	262.3	317.5	206.1	231.7	250.4	321.4	409.3	416.2	420.1	444.8
62.5°	342.1	190.3	287.9	186.4	212.0	215.9	293.8	373.8	382.7	385.6	400.4
65°	243.5	159.7	244.5	169.6	191.3	192.3	264.2	337.2	345.1	350.0	361.0
67.5°	164.7	130.2	186.4	153.8	175.5	176.5	235.7	294.8	305.7	309.6	316.5
70°	114.4	86.8	138.0	137.1	157.8	159.7	205.1	256.4	266.2	269.2	273.1
72.5°	83.8	70.0	114.4	123.2	139.0	141.0	173.5	213.0	222.8	225.8	227.8
75°	64.1	74.0	92.7	107.5	118.3	119.3	142.0	173.5	180.4	182.4	183.4
77.5°	51.3	69.0	68.0	86.8	96.6	94.7	111.4	134.1	140.0	140.0	140.0
80°	38.5	54.2	51.3	62.1	71.0	69.0	79.9	95.6	97.6	99.6	98.6
82.5°	28.6	34.5	34.5	39.4	47.3	45.4	53.2	62.1	62.1	62.1	64.1
85°	17.7	19.7	15.8	20.7	26.6	25.6	29.6	33.5	34.5	34.5	32.5
87.5°	10.8	8.9	4.9	7.9	11.8	11.8	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	33.3	38.7	34.4	25.8
92.5°	89.8	55.1	20.4	55.1	89.8	98.5	138.5	191.9	218.5	191.5	137.5
95°	176.1	112.5	49.0	112.5	176.1	192.0	340.9	539.3	638.6	569.9	432.5
97.5°	196.8	140.7	84.7	140.7	196.8	210.8	459.1	790.1	955.6	912.1	825.3
100°	214.0	163.2	112.3	163.2	214.0	226.7	502.2	869.5	1053.1	1056.3	1062.7
102.5°	230.6	183.2	135.8	183.2	230.6	242.5	521.9	894.5	1080.8	1136.2	1246.9
105°	256.0	215.8	175.6	215.8	256.0	266.0	536.6	897.4	1077.7	1201.8	1450.0
107.5°	291.4	253.9	216.4	253.9	291.4	300.7	539.3	857.4	1016.5	1189.6	1535.8
110°	311.6	277.9	244.0	277.9	311.6	320.1	535.2	822.0	965.4	1158.9	1546.0



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	335.4	303.3	271.1	303.3	335.4	343.5	535.3	791.1	919.0	1117.0	1513.2
115°	371.4	341.6	311.9	341.6	371.4	378.8	540.3	755.6	863.2	1054.0	1435.7
117.5°	406.3	379.3	352.3	379.3	406.3	413.0	550.4	733.5	825.0	997.1	1341.6
120°	426.6	401.2	375.8	401.2	426.6	433.0	558.6	726.0	809.7	967.1	1281.7
122.5°	450.0	424.4	398.7	424.4	450.0	456.4	570.3	722.0	798.0	939.7	1223.0
125°	480.7	457.3	433.9	457.3	480.7	486.5	586.1	718.8	785.2	905.5	1146.2
127.5°	509.7	486.1	462.5	486.1	509.7	515.6	601.9	716.9	774.4	877.7	1084.5
130°	528.7	503.3	477.8	503.3	528.7	535.0	613.5	718.1	770.4	862.4	1046.3
132.5°	544.6	519.1	493.7	519.1	544.6	550.9	622.9	718.8	766.8	849.1	1013.9
135°	563.4	540.3	517.2	540.3	563.4	569.2	633.0	718.1	760.7	829.7	967.7
137.5°	587.0	564.0	541.1	564.0	587.0	592.7	648.3	722.5	759.6	817.9	934.5
140°	603.2	582.1	561.0	582.1	603.2	608.6	657.8	723.3	756.1	806.4	907.2
142.5°	615.4	595.8	576.3	595.8	615.4	620.3	665.6	725.9	756.1	800.3	888.8
145°	633.9	616.8	599.9	616.8	633.9	638.1	675.7	725.9	750.9	787.1	859.5
147.5°	656.5	639.9	623.3	639.9	656.5	660.6	690.7	730.8	750.9	779.4	836.4
150°	668.6	653.6	638.6	653.6	668.6	672.4	698.6	733.5	750.9	775.0	823.1
152.5°	677.2	665.8	654.5	665.8	677.2	680.0	703.7	735.2	750.9	771.4	812.6
155°	694.7	686.4	678.0	686.4	694.7	696.8	714.8	738.9	750.9	767.3	799.9
157.5°	711.6	703.5	695.3	703.5	711.6	713.7	726.1	742.7	750.9	763.7	789.1
160°	719.8	713.4	707.1	713.4	719.8	721.4	731.2	744.3	750.9	761.8	783.6
162.5°	728.4	723.5	718.8	723.5	728.4	729.5	736.6	746.2	750.9	760.1	778.5
165°	740.2	735.9	731.5	735.9	740.2	741.3	744.5	748.8	750.9	757.5	770.7
167.5°	747.4	745.3	743.3	745.3	747.4	747.9	750.6	754.3	756.1	760.4	769.0
170°	755.1	753.0	750.9	753.0	755.1	755.6	755.8	756.0	756.1	760.4	769.0
172.5°	756.0	755.5	755.1	755.5	756.0	756.1	756.1	756.1	756.1	759.4	766.2
175°	760.7	760.7	760.7	760.7	760.7	760.7	759.1	757.1	756.1	758.2	762.5
177.5°	760.7	760.7	760.7	760.7	760.7	760.7	759.5	757.8	757.1	758.7	762.2
180°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3	1042.3
2.5°	1005.8	1002.9	1006.8	996.0	1006.8	1002.9	1005.8	1012.7	1006.8	1010.7	1014.7
5°	882.6	877.6	861.9	849.0	861.9	877.6	882.6	903.3	913.1	930.9	954.5
7.5°	788.9	785.0	781.0	773.1	781.0	785.0	788.9	794.8	804.7	820.5	838.2
10°	768.2	769.2	775.1	774.1	775.1	769.2	768.2	766.2	763.3	766.2	777.1
12.5°	821.4	830.3	862.8	860.9	862.8	830.3	821.4	782.0	755.4	750.4	752.4
15°	882.6	885.5	892.4	893.4	892.4	885.5	882.6	866.8	786.9	752.4	741.6
17.5°	888.5	889.5	894.4	894.4	894.4	889.5	888.5	881.6	855.0	808.6	747.5
20°	883.6	885.5	895.4	897.4	895.4	885.5	883.6	874.7	859.9	843.1	796.8
22.5°	881.6	885.5	893.4	892.4	893.4	885.5	881.6	867.8	855.0	843.1	824.4
25°	871.7	871.7	872.7	873.7	872.7	871.7	871.7	860.9	835.2	832.3	821.4
27.5°	851.0	853.0	858.9	857.9	858.9	853.0	851.0	847.1	819.5	816.5	808.6
30°	832.3	830.3	825.4	821.4	825.4	830.3	832.3	826.4	798.8	790.9	792.8
32.5°	800.7	795.8	790.9	787.9	790.9	795.8	800.7	798.8	778.1	767.2	769.2
35°	763.3	764.2	763.3	760.3	763.3	764.2	763.3	765.2	752.4	742.6	741.6
37.5°	736.6	738.6	737.6	733.7	737.6	738.6	736.6	734.7	716.9	714.0	715.9
40°	709.0	710.0	709.0	706.1	709.0	710.0	709.0	705.1	680.4	681.4	688.3
42.5°	682.4	681.4	678.5	676.5	678.5	681.4	682.4	676.5	644.9	642.0	654.8
45°	651.8	652.8	646.9	644.0	646.9	652.8	651.8	647.9	615.4	607.5	616.3
47.5°	621.3	621.3	616.3	613.4	616.3	621.3	621.3	616.3	581.8	574.0	578.9
50°	588.7	587.8	580.9	579.9	580.9	587.8	588.7	585.8	549.3	542.4	542.4
52.5°	551.3	551.3	552.3	554.2	552.3	551.3	551.3	552.3	519.7	512.8	510.8
55°	518.7	519.7	526.6	528.6	526.6	519.7	518.7	518.7	489.2	482.3	478.3
57.5°	485.2	485.2	490.1	490.1	490.1	485.2	485.2	483.2	454.6	448.7	446.8
60°	446.8	448.7	452.7	451.7	452.7	448.7	446.8	444.8	420.1	416.2	409.3
62.5°	406.3	408.3	409.3	407.3	409.3	408.3	406.3	400.4	385.6	382.7	373.8
65°	363.9	365.9	366.9	364.9	366.9	365.9	363.9	361.0	350.0	345.1	337.2
67.5°	320.4	319.5	318.5	322.4	318.5	319.5	320.4	316.5	309.6	305.7	294.8
70°	276.1	276.1	275.1	277.1	275.1	276.1	276.1	273.1	269.2	266.2	256.4
72.5°	228.8	227.8	231.7	228.8	231.7	227.8	228.8	227.8	225.8	222.8	213.0
75°	182.4	184.4	182.4	185.4	182.4	184.4	182.4	183.4	182.4	180.4	173.5
77.5°	139.0	141.0	139.0	139.0	139.0	141.0	139.0	140.0	140.0	140.0	134.1
80°	98.6	97.6	97.6	96.6	97.6	97.6	98.6	98.6	99.6	97.6	95.6
82.5°	63.1	62.1	62.1	64.1	62.1	62.1	63.1	64.1	62.1	62.1	62.1
85°	34.5	35.5	33.5	33.5	33.5	35.5	34.5	32.5	34.5	34.5	33.5
87.5°	12.8	11.8	11.8	11.8	11.8	11.8	12.8	13.8	13.8	13.8	14.8
90°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	25.8	34.4	38.7	33.3
92.5°	97.0	93.2	77.7	62.3	77.7	93.2	97.0	137.5	191.5	218.5	191.9
95°	329.3	317.6	270.9	224.1	270.9	317.6	329.3	432.5	569.9	638.6	539.3
97.5°	760.1	737.9	649.0	560.0	649.0	737.9	760.1	825.3	912.1	955.6	790.1
100°	1067.4	1040.9	935.0	829.0	935.0	1040.9	1067.4	1062.7	1056.3	1053.1	869.5
102.5°	1329.9	1307.2	1216.4	1125.7	1216.4	1307.2	1329.9	1246.9	1136.2	1080.8	894.5
105°	1636.2	1623.9	1575.2	1526.4	1575.2	1623.9	1636.2	1450.0	1201.8	1077.7	897.4
107.5°	1795.4	1798.4	1810.2	1822.0	1810.2	1798.4	1795.4	1535.8	1189.6	1016.5	857.4
110°	1836.3	1849.0	1899.8	1950.6	1899.8	1849.0	1836.3	1546.0	1158.9	965.4	822.0



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1810.3	1829.8	1907.8	1985.9	1907.8	1829.8	1810.3	1513.2	1117.0	919.0	791.1
115°	1722.0	1749.0	1857.2	1965.5	1857.2	1749.0	1722.0	1435.7	1054.0	863.2	755.6
117.5°	1599.9	1629.9	1750.0	1869.9	1750.0	1629.9	1599.9	1341.6	997.1	825.0	733.5
120°	1517.7	1546.9	1663.5	1780.1	1663.5	1546.9	1517.7	1281.7	967.1	809.7	726.0
122.5°	1435.5	1464.3	1579.3	1694.3	1579.3	1464.3	1435.5	1223.0	939.7	798.0	722.0
125°	1326.8	1353.3	1459.2	1565.2	1459.2	1353.3	1326.8	1146.2	905.5	785.2	718.8
127.5°	1239.5	1261.9	1351.2	1440.6	1351.2	1261.9	1239.5	1084.5	877.7	774.4	716.9
130°	1184.4	1205.0	1287.6	1370.2	1287.6	1205.0	1184.4	1046.3	862.4	770.4	718.1
132.5°	1137.4	1155.9	1229.8	1303.8	1229.8	1155.9	1137.4	1013.9	849.1	766.8	718.8
135°	1071.1	1087.1	1150.8	1214.5	1150.8	1087.1	1071.1	967.7	829.7	760.7	718.1
137.5°	1022.0	1035.0	1087.3	1139.4	1087.3	1035.0	1022.0	934.5	817.9	759.6	722.5
140°	982.7	995.0	1043.7	1092.5	1043.7	995.0	982.7	907.2	806.4	756.1	723.3
142.5°	955.1	965.6	1007.6	1049.6	1007.6	965.6	955.1	888.8	800.3	756.1	725.9
145°	913.8	921.8	953.6	985.3	953.6	921.8	913.8	859.5	787.1	750.9	725.9
147.5°	879.1	885.7	912.0	938.3	912.0	885.7	879.1	836.4	779.4	750.9	730.8
150°	859.2	864.5	885.9	907.2	885.9	864.5	859.2	823.1	775.0	750.9	733.5
152.5°	843.3	847.4	863.4	879.6	863.4	847.4	843.3	812.6	771.4	750.9	735.2
155°	824.5	827.2	837.8	848.5	837.8	827.2	824.5	799.9	767.3	750.9	738.9
157.5°	808.1	810.0	817.5	825.0	817.5	810.0	808.1	789.1	763.7	750.9	742.7
160°	799.9	801.0	805.4	809.7	805.4	801.0	799.9	783.6	761.8	750.9	744.3
162.5°	792.3	793.3	797.5	801.5	797.5	793.3	792.3	778.5	760.1	750.9	746.2
165°	780.5	781.6	785.9	790.3	785.9	781.6	780.5	770.7	757.5	750.9	748.8
167.5°	775.5	776.0	777.8	779.5	777.8	776.0	775.5	769.0	760.4	756.1	754.3
170°	775.5	775.5	775.5	775.5	775.5	775.5	775.5	769.0	760.4	756.1	756.0
172.5°	771.3	771.0	769.4	767.8	769.4	771.0	771.3	766.2	759.4	756.1	756.1
175°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	762.5	758.2	756.1	757.1
177.5°	764.7	764.2	762.5	760.7	762.5	764.2	764.7	762.2	758.7	757.1	757.8
180°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1042.3	1042.3	1042.3	1042.3	1042.3
2.5°	1029.5	1034.4	1037.4	1041.3	1051.2
5°	990.0	1008.8	1014.7	1029.5	1047.2
7.5°	903.3	960.5	976.2	1011.7	1039.3
10°	819.5	876.7	904.3	988.1	1029.5
12.5°	777.1	810.6	829.3	946.7	1015.7
15°	750.4	774.1	787.9	891.4	999.9
17.5°	729.7	746.5	756.4	837.2	978.2
20°	716.9	724.8	733.7	797.8	953.6
22.5°	708.0	703.1	710.0	770.2	920.0
25°	702.1	683.4	691.3	748.5	880.6
27.5°	707.1	665.6	668.6	728.8	839.2
30°	708.0	644.0	644.9	708.0	792.8
32.5°	701.1	621.3	622.3	682.4	740.6
35°	684.4	594.7	593.7	652.8	669.6
37.5°	661.7	566.1	566.1	620.3	591.7
40°	634.1	537.5	540.4	577.9	522.7
42.5°	600.6	506.9	510.8	521.7	471.4
45°	564.1	477.3	480.3	440.8	432.0
47.5°	523.7	446.8	447.7	365.9	419.1
50°	475.4	415.2	411.3	313.5	418.2
52.5°	433.0	380.7	368.9	284.0	379.7
55°	391.5	344.1	318.5	261.3	352.1
57.5°	355.1	296.8	272.1	234.7	346.1
60°	321.4	250.4	231.7	206.1	317.5
62.5°	293.8	215.9	212.0	186.4	287.9
65°	264.2	192.3	191.3	169.6	244.5
67.5°	235.7	176.5	175.5	153.8	186.4
70°	205.1	159.7	157.8	137.1	138.0
72.5°	173.5	141.0	139.0	123.2	114.4
75°	142.0	119.3	118.3	107.5	92.7
77.5°	111.4	94.7	96.6	86.8	68.0
80°	79.9	69.0	71.0	62.1	51.3
82.5°	53.2	45.4	47.3	39.4	34.5
85°	29.6	25.6	26.6	20.7	15.8
87.5°	13.8	11.8	11.8	7.9	4.9
90°	22.5	14.3	13.3	9.2	5.1
92.5°	138.5	98.5	89.8	55.1	20.4
95°	340.9	192.0	176.1	112.5	49.0
97.5°	459.1	210.8	196.8	140.7	84.7
100°	502.2	226.7	214.0	163.2	112.3
102.5°	521.9	242.5	230.6	183.2	135.8
105°	536.6	266.0	256.0	215.8	175.6
107.5°	539.3	300.7	291.4	253.9	216.4
110°	535.2	320.1	311.6	277.9	244.0



TEST NUMBER: P935583

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	535.3	343.5	335.4	303.3	271.1
115°	540.3	378.8	371.4	341.6	311.9
117.5°	550.4	413.0	406.3	379.3	352.3
120°	558.6	433.0	426.6	401.2	375.8
122.5°	570.3	456.4	450.0	424.4	398.7
125°	586.1	486.5	480.7	457.3	433.9
127.5°	601.9	515.6	509.7	486.1	462.5
130°	613.5	535.0	528.7	503.3	477.8
132.5°	622.9	550.9	544.6	519.1	493.7
135°	633.0	569.2	563.4	540.3	517.2
137.5°	648.3	592.7	587.0	564.0	541.1
140°	657.8	608.6	603.2	582.1	561.0
142.5°	665.6	620.3	615.4	595.8	576.3
145°	675.7	638.1	633.9	616.8	599.9
147.5°	690.7	660.6	656.5	639.9	623.3
150°	698.6	672.4	668.6	653.6	638.6
152.5°	703.7	680.0	677.2	665.8	654.5
155°	714.8	696.8	694.7	686.4	678.0
157.5°	726.1	713.7	711.6	703.5	695.3
160°	731.2	721.4	719.8	713.4	707.1
162.5°	736.6	729.5	728.4	723.5	718.8
165°	744.5	741.3	740.2	735.9	731.5
167.5°	750.6	747.9	747.4	745.3	743.3
170°	755.8	755.6	755.1	753.0	750.9
172.5°	756.1	756.1	756.0	755.5	755.1
175°	759.1	760.7	760.7	760.7	760.7
177.5°	759.5	760.7	760.7	760.7	760.7
180°	760.7	760.7	760.7	760.7	760.7



TEST NUMBER: P935583
 CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-3000K

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	11.90	12.23	12.97	14.44	13.95	14.70	15.03	15.77	17.24
	3H	11.62	12.29	12.71	13.37	14.86	15.28	15.95	16.36	17.03	18.51
	4H	11.81	12.44	12.90	13.53	15.01	15.71	16.34	16.80	17.43	18.92
	6H	11.92	12.50	13.02	13.59	15.09	15.98	16.56	17.08	17.65	19.15
	8H	11.92	12.47	13.03	13.58	15.07	16.05	16.60	17.16	17.71	19.20
	12H	11.89	12.41	13.00	13.51	15.03	16.08	16.60	17.19	17.70	19.22
4H	2H	12.17	12.80	13.27	13.88	15.37	14.35	14.98	15.45	16.07	17.56
	3H	13.18	13.71	14.29	14.82	16.32	15.83	16.36	16.94	17.47	18.97
	4H	13.45	13.94	14.56	15.04	16.56	16.35	16.83	17.46	17.93	19.46
	6H	13.57	13.99	14.69	15.11	16.63	16.70	17.12	17.82	18.24	19.75
	8H	13.57	13.96	14.69	15.08	16.61	16.80	17.19	17.92	18.30	19.83
	12H	13.54	13.89	14.67	15.01	16.55	16.85	17.20	17.98	18.32	19.86
8H	4H	13.89	14.28	15.01	15.39	16.93	16.47	16.85	17.59	17.97	19.50
	6H	14.15	14.47	15.29	15.63	17.15	16.89	17.21	18.03	18.37	19.90
	8H	14.19	14.47	15.34	15.61	17.16	17.04	17.31	18.18	18.45	20.00
	12H	14.17	14.41	15.32	15.55	17.13	17.12	17.37	18.27	18.50	20.09
12H	4H	13.89	14.24	15.03	15.37	16.91	16.43	16.78	17.56	17.90	19.44
	6H	14.21	14.49	15.35	15.62	17.17	16.89	17.17	18.03	18.30	19.85
	8H	14.27	14.51	15.42	15.65	17.23	17.04	17.28	18.19	18.42	20.00