

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: P935183

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

**Test Information**

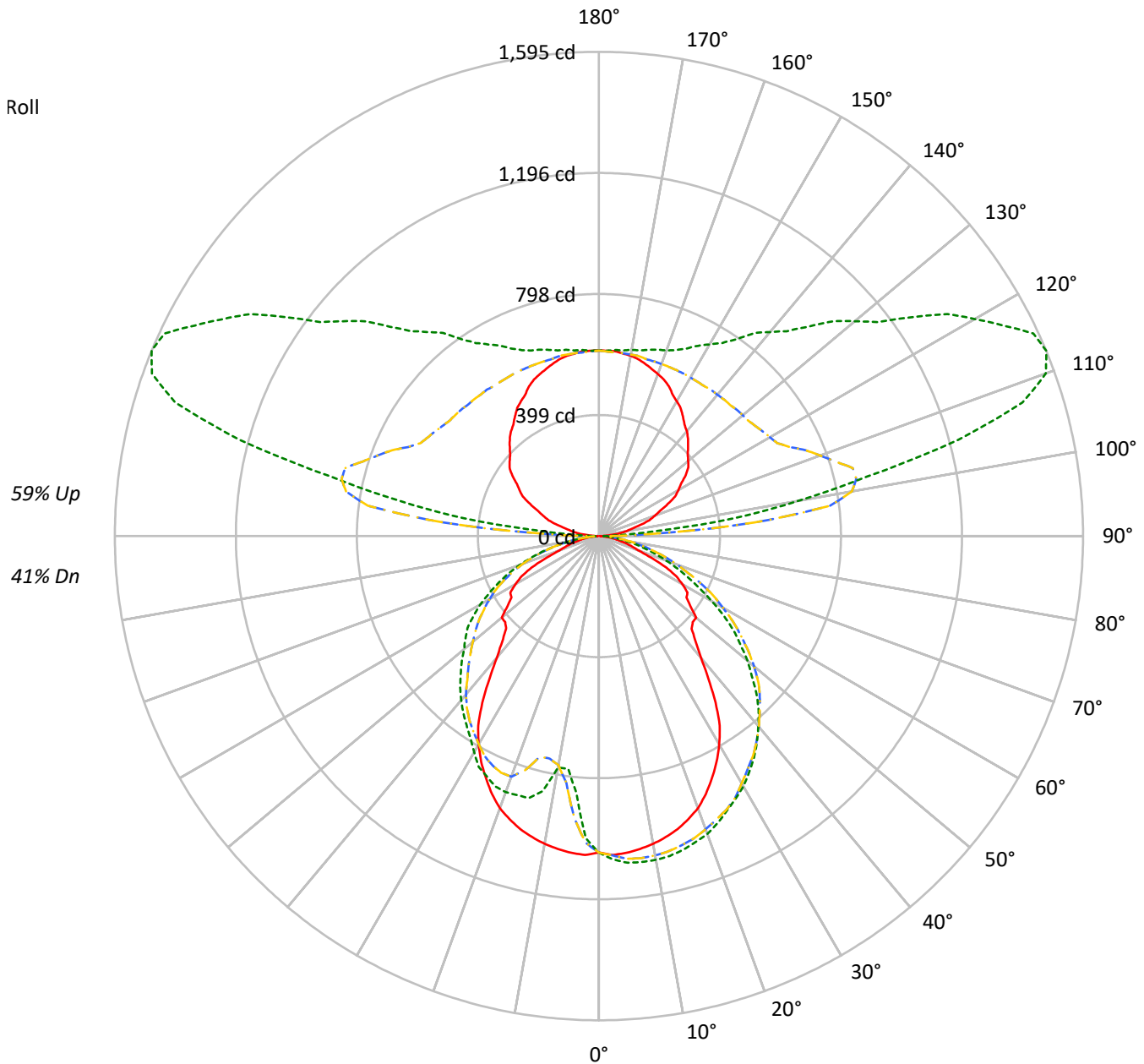
Test Method: LM-79-2019  
Report Number: P935183  
REPORT IS A COMBINATION OF REPORTS P933742 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-4-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6666.3 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 49.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-4-3000K

### Luminous Intensity Polar Plot



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



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

**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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.1	1.4
10°-20°	267.1	4.0
20°-30°	413.0	6.2
30°-40°	493.0	7.4
40°-50°	495.9	7.4
50°-60°	431.5	6.5
60°-70°	305.9	4.6
70°-80°	161.8	2.4
80°-90°	42.6	0.6
90°-100°	297.9	4.5
100°-110°	783.1	11.7
110°-120°	812.0	12.2
120°-130°	651.3	9.8
130°-140°	511.1	7.7
140°-150°	392.3	5.9
150°-160°	282.5	4.2
160°-170°	172.8	2.6
170°-180°	58.4	0.9
0°-30°	774.2	11.6
0°-40°	1267.2	19.0
0°-60°	2194.5	32.9
0°-90°	2704.9	40.6
90°-120°	1893.0	28.4
90°-150°	3447.6	51.7
90°-180°	3961.0	59.4
0°-180°	6666.3	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°	4	16	4	16	4	4
95°	39	180	39	180	39	44
105°	141	1226	141	1226	141	150
115°	250	1579	250	1579	250	247
125°	349	1257	349	1257	349	309
135°	416	976	416	976	416	321
145°	482	792	482	792	482	302
155°	545	682	545	682	545	250
165°	588	635	588	635	588	166
175°	611	615	611	615	611	58
180°	611	611	611	611	611	



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**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°	4.1	7.4	10.6	11.4	18.0	26.8	31.2	27.7	20.8	15.6	15.6
92.5°	16.4	44.3	72.2	79.2	111.3	154.1	175.5	153.8	110.4	77.9	74.8
95°	39.3	90.4	141.5	154.2	273.8	433.2	513.0	457.8	347.4	264.5	255.2
97.5°	68.0	113.1	158.2	169.4	368.9	634.8	767.7	732.8	663.0	610.6	592.8
100°	90.2	131.0	171.9	182.1	403.5	698.6	846.1	848.7	853.7	857.5	836.2
102.5°	109.1	147.2	185.3	194.8	419.3	718.6	868.3	912.7	1001.7	1068.3	1050.1
105°	141.1	173.3	205.6	213.7	431.1	720.9	865.8	965.5	1164.9	1314.4	1304.7
107.5°	173.9	204.0	234.1	241.6	433.2	688.7	816.5	955.6	1233.8	1442.4	1444.8
110°	196.0	223.2	250.3	257.1	429.9	660.3	775.5	931.0	1242.0	1475.2	1485.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	217.8	243.6	269.5	276.0	430.1	635.5	738.2	897.4	1215.5	1454.3	1469.9
115°	250.5	274.4	298.3	304.3	434.0	607.1	693.6	846.9	1153.4	1383.4	1405.0
117.5°	283.0	304.7	326.4	331.8	442.1	589.2	662.8	801.1	1077.8	1285.3	1309.4
120°	301.8	322.2	342.6	347.8	448.6	583.2	650.5	776.9	1029.7	1219.3	1242.8
122.5°	320.4	341.0	361.6	366.7	458.1	580.1	641.0	754.8	982.5	1153.2	1176.3
125°	348.6	367.4	386.1	390.9	470.8	577.4	630.7	727.5	920.8	1065.9	1087.2
127.5°	371.5	390.5	409.5	414.2	483.5	575.9	622.2	705.2	871.2	995.8	1013.7
130°	383.8	404.3	424.7	429.8	492.8	576.9	618.9	692.9	840.7	951.5	968.1
132.5°	396.6	417.0	437.4	442.5	500.3	577.4	616.0	682.1	814.4	913.7	928.6
135°	415.5	434.0	452.7	457.3	508.6	576.9	611.1	666.5	777.3	860.4	873.2
137.5°	434.7	453.2	471.5	476.1	520.8	580.5	610.2	657.1	750.7	821.0	831.5
140°	450.7	467.7	484.6	488.9	528.4	581.0	607.4	647.8	728.8	789.5	799.3
142.5°	463.0	478.7	494.4	498.3	534.7	583.1	607.4	642.9	714.0	767.3	775.8
145°	481.9	495.6	509.2	512.6	542.9	583.2	603.3	632.4	690.5	734.1	740.5
147.5°	500.8	514.1	527.3	530.7	554.9	587.2	603.3	626.2	672.0	706.3	711.6
150°	513.0	525.0	537.1	540.1	561.2	589.3	603.3	622.7	661.2	690.2	694.4
152.5°	525.7	534.8	544.0	546.2	565.3	590.6	603.3	619.8	652.7	677.5	680.7
155°	544.7	551.4	558.2	559.9	574.3	593.7	603.3	616.4	642.7	662.3	664.5
157.5°	558.6	565.2	571.7	573.4	583.3	596.6	603.3	613.5	633.9	649.2	650.7
160°	568.0	573.2	578.2	579.5	587.5	598.0	603.3	612.1	629.6	642.7	643.6
162.5°	577.4	581.2	585.1	586.1	591.8	599.5	603.3	610.7	625.4	636.5	637.3
165°	587.7	591.1	594.6	595.4	598.1	601.6	603.3	608.7	619.2	627.1	628.0
167.5°	597.1	598.8	600.5	600.9	603.0	605.9	607.4	610.8	617.7	623.0	623.3
170°	603.3	604.9	606.6	607.0	607.1	607.3	607.4	610.8	617.7	623.0	623.0
172.5°	606.6	607.0	607.3	607.4	607.4	607.4	607.4	610.1	615.6	619.7	619.4
175°	611.1	611.1	611.1	611.1	609.8	608.2	607.4	609.2	612.6	615.2	615.2
177.5°	611.1	611.1	611.1	611.1	610.1	608.9	608.2	609.5	612.3	614.4	614.0
180°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1



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**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°	15.6	15.6	15.6	15.6	15.6	20.8	27.7	31.2	26.8	18.0	11.4
92.5°	62.4	50.0	62.4	74.8	77.9	110.4	153.8	175.5	154.1	111.3	79.2
95°	217.6	180.0	217.6	255.2	264.5	347.4	457.8	513.0	433.2	273.8	154.2
97.5°	521.3	449.9	521.3	592.8	610.6	663.0	732.8	767.7	634.8	368.9	169.4
100°	751.1	666.0	751.1	836.2	857.5	853.7	848.7	846.1	698.6	403.5	182.1
102.5°	977.2	904.4	977.2	1050.1	1068.3	1001.7	912.7	868.3	718.6	419.3	194.8
105°	1265.4	1226.3	1265.4	1304.7	1314.4	1164.9	965.5	865.8	720.9	431.1	213.7
107.5°	1454.3	1463.7	1454.3	1444.8	1442.4	1233.8	955.6	816.5	688.7	433.2	241.6
110°	1526.2	1567.0	1526.2	1485.4	1475.2	1242.0	931.0	775.5	660.3	429.9	257.1





TEST NUMBER: P935183

CATALOG NUMBER: SQ4-FA-100U-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°	1532.6	1595.3	1532.6	1469.9	1454.3	1215.5	897.4	738.2	635.5	430.1	276.0
115°	1492.0	1579.0	1492.0	1405.0	1383.4	1153.4	846.9	693.6	607.1	434.0	304.3
117.5°	1405.8	1502.3	1405.8	1309.4	1285.3	1077.8	801.1	662.8	589.2	442.1	331.8
120°	1336.4	1430.1	1336.4	1242.8	1219.3	1029.7	776.9	650.5	583.2	448.6	347.8
122.5°	1268.8	1361.2	1268.8	1176.3	1153.2	982.5	754.8	641.0	580.1	458.1	366.7
125°	1172.3	1257.4	1172.3	1087.2	1065.9	920.8	727.5	630.7	577.4	470.8	390.9
127.5°	1085.6	1157.4	1085.6	1013.7	995.8	871.2	705.2	622.2	575.9	483.5	414.2
130°	1034.4	1100.8	1034.4	968.1	951.5	840.7	692.9	618.9	576.9	492.8	429.8
132.5°	988.0	1047.4	988.0	928.6	913.7	814.4	682.1	616.0	577.4	500.3	442.5
135°	924.4	975.6	924.4	873.2	860.4	777.3	666.5	611.1	576.9	508.6	457.3
137.5°	873.5	915.4	873.5	831.5	821.0	750.7	657.1	610.2	580.5	520.8	476.1
140°	838.5	877.6	838.5	799.3	789.5	728.8	647.8	607.4	581.0	528.4	488.9
142.5°	809.5	843.2	809.5	775.8	767.3	714.0	642.9	607.4	583.1	534.7	498.3
145°	766.0	791.6	766.0	740.5	734.1	690.5	632.4	603.3	583.2	542.9	512.6
147.5°	732.7	753.8	732.7	711.6	706.3	672.0	626.2	603.3	587.2	554.9	530.7
150°	711.6	728.8	711.6	694.4	690.2	661.2	622.7	603.3	589.3	561.2	540.1
152.5°	693.7	706.7	693.7	680.7	677.5	652.7	619.8	603.3	590.6	565.3	546.2
155°	673.0	681.6	673.0	664.5	662.3	642.7	616.4	603.3	593.7	574.3	559.9
157.5°	656.8	662.8	656.8	650.7	649.2	633.9	613.5	603.3	596.6	583.3	573.4
160°	647.0	650.5	647.0	643.6	642.7	629.6	612.1	603.3	598.0	587.5	579.5
162.5°	640.6	643.9	640.6	637.3	636.5	625.4	610.7	603.3	599.5	591.8	586.1
165°	631.4	634.9	631.4	628.0	627.1	619.2	608.7	603.3	601.6	598.1	595.4
167.5°	624.7	626.2	624.7	623.3	623.0	617.7	610.8	607.4	605.9	603.0	600.9
170°	623.0	623.0	623.0	623.0	623.0	617.7	610.8	607.4	607.3	607.1	607.0
172.5°	618.1	616.8	618.1	619.4	619.7	615.6	610.1	607.4	607.4	607.4	607.4
175°	615.2	615.2	615.2	615.2	615.2	612.6	609.2	607.4	608.2	609.8	611.1
177.5°	612.6	611.1	612.6	614.0	614.4	612.3	609.5	608.2	608.9	610.1	611.1
180°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1



TEST NUMBER: P935183

CATALOG NUMBER: SQ4-FA-100U-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°	10.6	7.4	4.1	7.4	10.6	11.4	18.0	26.8	31.2	27.7	20.8
92.5°	72.2	44.3	16.4	44.3	72.2	79.2	111.3	154.1	175.5	153.8	110.4
95°	141.5	90.4	39.3	90.4	141.5	154.2	273.8	433.2	513.0	457.8	347.4
97.5°	158.2	113.1	68.0	113.1	158.2	169.4	368.9	634.8	767.7	732.8	663.0
100°	171.9	131.0	90.2	131.0	171.9	182.1	403.5	698.6	846.1	848.7	853.7
102.5°	185.3	147.2	109.1	147.2	185.3	194.8	419.3	718.6	868.3	912.7	1001.7
105°	205.6	173.3	141.1	173.3	205.6	213.7	431.1	720.9	865.8	965.5	1164.9
107.5°	234.1	204.0	173.9	204.0	234.1	241.6	433.2	688.7	816.5	955.6	1233.8
110°	250.3	223.2	196.0	223.2	250.3	257.1	429.9	660.3	775.5	931.0	1242.0



TEST NUMBER: P935183

CATALOG NUMBER: SQ4-FA-100U-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°	269.5	243.6	217.8	243.6	269.5	276.0	430.1	635.5	738.2	897.4	1215.5
115°	298.3	274.4	250.5	274.4	298.3	304.3	434.0	607.1	693.6	846.9	1153.4
117.5°	326.4	304.7	283.0	304.7	326.4	331.8	442.1	589.2	662.8	801.1	1077.8
120°	342.6	322.2	301.8	322.2	342.6	347.8	448.6	583.2	650.5	776.9	1029.7
122.5°	361.6	341.0	320.4	341.0	361.6	366.7	458.1	580.1	641.0	754.8	982.5
125°	386.1	367.4	348.6	367.4	386.1	390.9	470.8	577.4	630.7	727.5	920.8
127.5°	409.5	390.5	371.5	390.5	409.5	414.2	483.5	575.9	622.2	705.2	871.2
130°	424.7	404.3	383.8	404.3	424.7	429.8	492.8	576.9	618.9	692.9	840.7
132.5°	437.4	417.0	396.6	417.0	437.4	442.5	500.3	577.4	616.0	682.1	814.4
135°	452.7	434.0	415.5	434.0	452.7	457.3	508.6	576.9	611.1	666.5	777.3
137.5°	471.5	453.2	434.7	453.2	471.5	476.1	520.8	580.5	610.2	657.1	750.7
140°	484.6	467.7	450.7	467.7	484.6	488.9	528.4	581.0	607.4	647.8	728.8
142.5°	494.4	478.7	463.0	478.7	494.4	498.3	534.7	583.1	607.4	642.9	714.0
145°	509.2	495.6	481.9	495.6	509.2	512.6	542.9	583.2	603.3	632.4	690.5
147.5°	527.3	514.1	500.8	514.1	527.3	530.7	554.9	587.2	603.3	626.2	672.0
150°	537.1	525.0	513.0	525.0	537.1	540.1	561.2	589.3	603.3	622.7	661.2
152.5°	544.0	534.8	525.7	534.8	544.0	546.2	565.3	590.6	603.3	619.8	652.7
155°	558.2	551.4	544.7	551.4	558.2	559.9	574.3	593.7	603.3	616.4	642.7
157.5°	571.7	565.2	558.6	565.2	571.7	573.4	583.3	596.6	603.3	613.5	633.9
160°	578.2	573.2	568.0	573.2	578.2	579.5	587.5	598.0	603.3	612.1	629.6
162.5°	585.1	581.2	577.4	581.2	585.1	586.1	591.8	599.5	603.3	610.7	625.4
165°	594.6	591.1	587.7	591.1	594.6	595.4	598.1	601.6	603.3	608.7	619.2
167.5°	600.5	598.8	597.1	598.8	600.5	600.9	603.0	605.9	607.4	610.8	617.7
170°	606.6	604.9	603.3	604.9	606.6	607.0	607.1	607.3	607.4	610.8	617.7
172.5°	607.3	607.0	606.6	607.0	607.3	607.4	607.4	607.4	607.4	610.1	615.6
175°	611.1	611.1	611.1	611.1	611.1	611.1	609.8	608.2	607.4	609.2	612.6
177.5°	611.1	611.1	611.1	611.1	611.1	611.1	610.1	608.9	608.2	609.5	612.3
180°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1



TEST NUMBER: P935183

CATALOG NUMBER: SQ4-FA-100U-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°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	20.8	27.7	31.2	26.8
92.5°	77.9	74.8	62.4	50.0	62.4	74.8	77.9	110.4	153.8	175.5	154.1
95°	264.5	255.2	217.6	180.0	217.6	255.2	264.5	347.4	457.8	513.0	433.2
97.5°	610.6	592.8	521.3	449.9	521.3	592.8	610.6	663.0	732.8	767.7	634.8
100°	857.5	836.2	751.1	666.0	751.1	836.2	857.5	853.7	848.7	846.1	698.6
102.5°	1068.3	1050.1	977.2	904.4	977.2	1050.1	1068.3	1001.7	912.7	868.3	718.6
105°	1314.4	1304.7	1265.4	1226.3	1265.4	1304.7	1314.4	1164.9	965.5	865.8	720.9
107.5°	1442.4	1444.8	1454.3	1463.7	1454.3	1444.8	1442.4	1233.8	955.6	816.5	688.7
110°	1475.2	1485.4	1526.2	1567.0	1526.2	1485.4	1475.2	1242.0	931.0	775.5	660.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1454.3	1469.9	1532.6	1595.3	1532.6	1469.9	1454.3	1215.5	897.4	738.2	635.5
115°	1383.4	1405.0	1492.0	1579.0	1492.0	1405.0	1383.4	1153.4	846.9	693.6	607.1
117.5°	1285.3	1309.4	1405.8	1502.3	1405.8	1309.4	1285.3	1077.8	801.1	662.8	589.2
120°	1219.3	1242.8	1336.4	1430.1	1336.4	1242.8	1219.3	1029.7	776.9	650.5	583.2
122.5°	1153.2	1176.3	1268.8	1361.2	1268.8	1176.3	1153.2	982.5	754.8	641.0	580.1
125°	1065.9	1087.2	1172.3	1257.4	1172.3	1087.2	1065.9	920.8	727.5	630.7	577.4
127.5°	995.8	1013.7	1085.6	1157.4	1085.6	1013.7	995.8	871.2	705.2	622.2	575.9
130°	951.5	968.1	1034.4	1100.8	1034.4	968.1	951.5	840.7	692.9	618.9	576.9
132.5°	913.7	928.6	988.0	1047.4	988.0	928.6	913.7	814.4	682.1	616.0	577.4
135°	860.4	873.2	924.4	975.6	924.4	873.2	860.4	777.3	666.5	611.1	576.9
137.5°	821.0	831.5	873.5	915.4	873.5	831.5	821.0	750.7	657.1	610.2	580.5
140°	789.5	799.3	838.5	877.6	838.5	799.3	789.5	728.8	647.8	607.4	581.0
142.5°	767.3	775.8	809.5	843.2	809.5	775.8	767.3	714.0	642.9	607.4	583.1
145°	734.1	740.5	766.0	791.6	766.0	740.5	734.1	690.5	632.4	603.3	583.2
147.5°	706.3	711.6	732.7	753.8	732.7	711.6	706.3	672.0	626.2	603.3	587.2
150°	690.2	694.4	711.6	728.8	711.6	694.4	690.2	661.2	622.7	603.3	589.3
152.5°	677.5	680.7	693.7	706.7	693.7	680.7	677.5	652.7	619.8	603.3	590.6
155°	662.3	664.5	673.0	681.6	673.0	664.5	662.3	642.7	616.4	603.3	593.7
157.5°	649.2	650.7	656.8	662.8	656.8	650.7	649.2	633.9	613.5	603.3	596.6
160°	642.7	643.6	647.0	650.5	647.0	643.6	642.7	629.6	612.1	603.3	598.0
162.5°	636.5	637.3	640.6	643.9	640.6	637.3	636.5	625.4	610.7	603.3	599.5
165°	627.1	628.0	631.4	634.9	631.4	628.0	627.1	619.2	608.7	603.3	601.6
167.5°	623.0	623.3	624.7	626.2	624.7	623.3	623.0	617.7	610.8	607.4	605.9
170°	623.0	623.0	623.0	623.0	623.0	623.0	623.0	617.7	610.8	607.4	607.3
172.5°	619.7	619.4	618.1	616.8	618.1	619.4	619.7	615.6	610.1	607.4	607.4
175°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	612.6	609.2	607.4	608.2
177.5°	614.4	614.0	612.6	611.1	612.6	614.0	614.4	612.3	609.5	608.2	608.9
180°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1



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CATALOG NUMBER: SQ4-FA-100U-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°	18.0	11.4	10.6	7.4	4.1
92.5°	111.3	79.2	72.2	44.3	16.4
95°	273.8	154.2	141.5	90.4	39.3
97.5°	368.9	169.4	158.2	113.1	68.0
100°	403.5	182.1	171.9	131.0	90.2
102.5°	419.3	194.8	185.3	147.2	109.1
105°	431.1	213.7	205.6	173.3	141.1
107.5°	433.2	241.6	234.1	204.0	173.9
110°	429.9	257.1	250.3	223.2	196.0



TEST NUMBER: P935183

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	430.1	276.0	269.5	243.6	217.8
115°	434.0	304.3	298.3	274.4	250.5
117.5°	442.1	331.8	326.4	304.7	283.0
120°	448.6	347.8	342.6	322.2	301.8
122.5°	458.1	366.7	361.6	341.0	320.4
125°	470.8	390.9	386.1	367.4	348.6
127.5°	483.5	414.2	409.5	390.5	371.5
130°	492.8	429.8	424.7	404.3	383.8
132.5°	500.3	442.5	437.4	417.0	396.6
135°	508.6	457.3	452.7	434.0	415.5
137.5°	520.8	476.1	471.5	453.2	434.7
140°	528.4	488.9	484.6	467.7	450.7
142.5°	534.7	498.3	494.4	478.7	463.0
145°	542.9	512.6	509.2	495.6	481.9
147.5°	554.9	530.7	527.3	514.1	500.8
150°	561.2	540.1	537.1	525.0	513.0
152.5°	565.3	546.2	544.0	534.8	525.7
155°	574.3	559.9	558.2	551.4	544.7
157.5°	583.3	573.4	571.7	565.2	558.6
160°	587.5	579.5	578.2	573.2	568.0
162.5°	591.8	586.1	585.1	581.2	577.4
165°	598.1	595.4	594.6	591.1	587.7
167.5°	603.0	600.9	600.5	598.8	597.1
170°	607.1	607.0	606.6	604.9	603.3
172.5°	607.4	607.4	607.3	607.0	606.6
175°	609.8	611.1	611.1	611.1	611.1
177.5°	610.1	611.1	611.1	611.1	611.1
180°	611.1	611.1	611.1	611.1	611.1



TEST NUMBER: P935183  
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**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	11.74	12.52	12.77	13.56	14.96	14.54	15.32	15.57	16.36	17.76
	3H	12.21	12.91	13.25	13.96	15.38	15.87	16.57	16.91	17.62	19.03
	4H	12.40	13.06	13.45	14.11	15.54	16.30	16.96	17.36	18.02	19.44
	6H	12.51	13.12	13.58	14.18	15.62	16.57	17.18	17.64	18.24	19.68
	8H	12.51	13.09	13.58	14.16	15.60	16.64	17.22	17.71	18.29	19.73
	12H	12.48	13.03	13.55	14.10	15.56	16.67	17.22	17.75	18.29	19.75
4H	2H	12.75	13.42	13.82	14.47	15.90	14.94	15.60	16.00	16.65	18.08
	3H	13.77	14.33	14.84	15.41	16.84	16.43	16.98	17.50	18.06	19.50
	4H	14.05	14.55	15.12	15.62	17.08	16.94	17.45	18.02	18.52	19.98
	6H	14.17	14.60	15.25	15.70	17.15	17.30	17.73	18.38	18.83	20.28
	8H	14.17	14.58	15.26	15.66	17.13	17.40	17.80	18.48	18.89	20.36
	12H	14.13	14.50	15.24	15.60	17.08	17.44	17.81	18.55	18.91	20.39
8H	4H	14.49	14.89	15.57	15.98	17.45	17.06	17.47	18.15	18.56	20.03
	6H	14.75	15.08	15.85	16.21	17.68	17.49	17.82	18.60	18.95	20.42
	8H	14.79	15.08	15.90	16.19	17.68	17.63	17.93	18.75	19.04	20.53
	12H	14.77	15.03	15.89	16.13	17.66	17.72	17.98	18.84	19.09	20.61
12H	4H	14.49	14.86	15.59	15.96	17.43	17.02	17.39	18.13	18.49	19.97
	6H	14.80	15.10	15.92	16.21	17.70	17.48	17.78	18.60	18.89	20.38
	8H	14.87	15.13	15.99	16.23	17.76	17.64	17.90	18.76	19.00	20.53