

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: P935582

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

**Test Information**

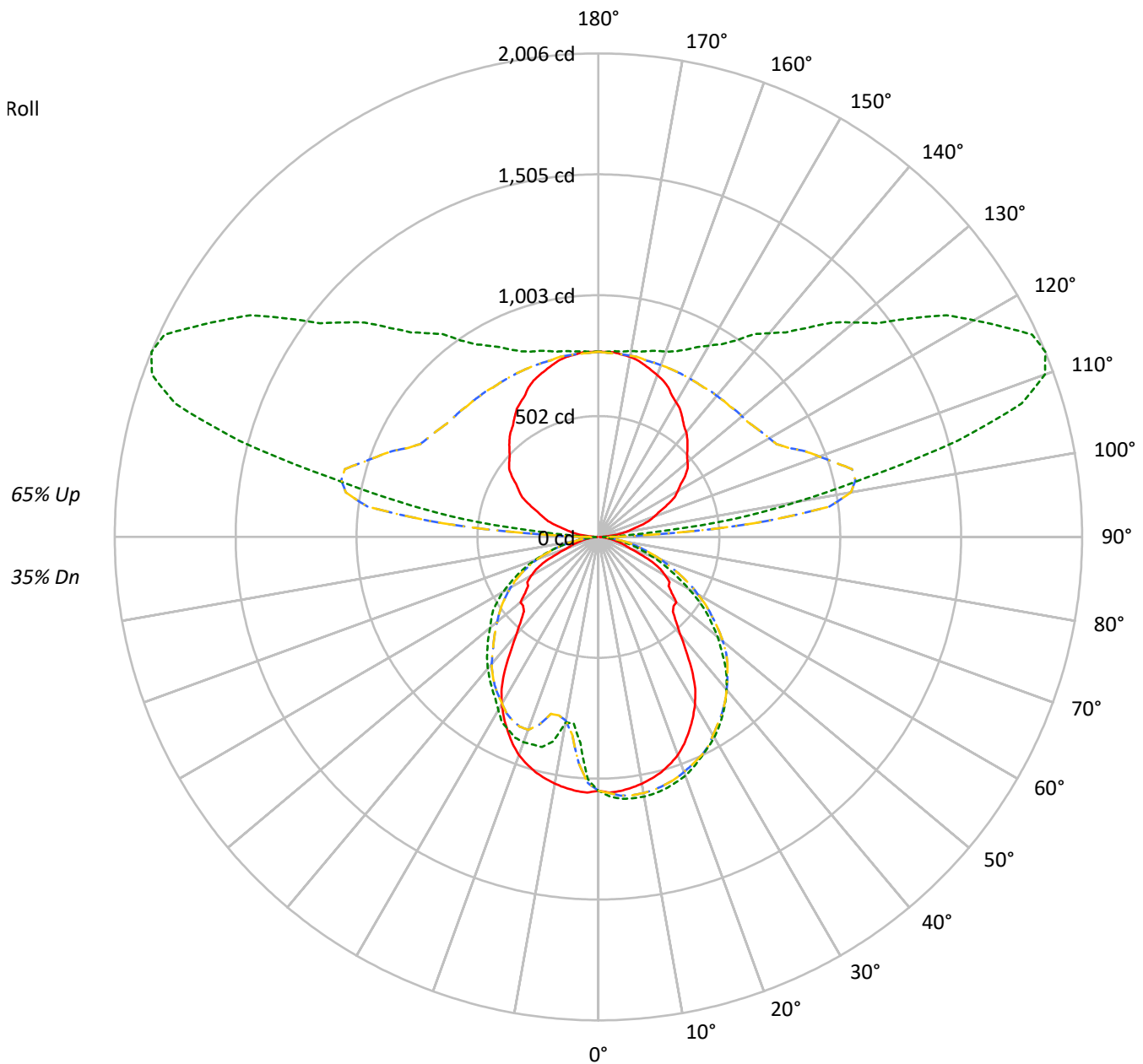
Test Method: LM-79-2019  
Report Number: P935582  
REPORT IS A COMBINATION OF REPORTS P933758 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7714.0 lumens  
Efficiency: N/A  
Efficacy: 138.7 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 (A<sub>in</sub>): 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: P935582  
CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9770	9770	9770	9770
5°	9832	9863	9832	7755
10°	9755	9715	9755	6946
15°	9638	9505	9638	7937
20°	9426	9255	9426	7953
25°	9002	8892	9002	7785
30°	8459	8589	8459	7415
35°	7530	8208	7530	7008
40°	6264	7758	6264	6700
45°	5586	7232	5586	6348
50°	5921	6604	5921	5993
55°	5556	5928	5556	5788
60°	5705	5036	5705	5302
65°	5147	4162	5147	4653
70°	3539	3316	3539	3899
75°	3069	2452	3069	2935
80°	2424	1620	2424	1765
85°	1317	858	1317	730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8578 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.0	1.2
10°-20°	269.9	3.5
20°-30°	417.1	5.4
30°-40°	498.0	6.5
40°-50°	500.9	6.5
50°-60°	435.9	5.7
60°-70°	309.0	4.0
70°-80°	163.5	2.1
80°-90°	43.6	0.6
90°-100°	374.5	4.9
100°-110°	984.7	12.8
110°-120°	1021.0	13.2
120°-130°	819.0	10.6
130°-140°	642.6	8.3
140°-150°	493.2	6.4
150°-160°	355.2	4.6
160°-170°	217.3	2.8
170°-180°	73.4	1.0
0°-30°	782.0	10.1
0°-40°	1280.0	16.6
0°-60°	2216.8	28.7
0°-90°	2732.9	35.4
90°-120°	2380.3	30.9
90°-150°	4335.1	56.2
90°-180°	4981.0	64.6
0°-180°	7714.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1053	1053	1053	1053	1053	
5°	1058	1091	1058	858	1058	100
15°	1010	1081	1010	902	1010	284
25°	890	1008	890	883	890	408
35°	676	900	676	768	676	418
45°	436	741	436	650	436	350
55°	356	547	356	534	356	327
65°	247	330	247	369	247	236
75°	94	156	94	187	94	98
85°	16	40	16	34	16	22
90°	5	20	5	20	5	5
95°	50	226	50	226	50	55
105°	177	1542	177	1542	177	188
115°	315	1985	315	1985	315	311
125°	438	1581	438	1581	438	389
135°	522	1227	522	1227	522	404
145°	606	995	606	995	606	380
155°	685	857	685	857	685	315
165°	739	798	739	798	739	209
175°	768	774	768	774	768	73
180°	768	768	768	768	768	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9
2.5°	1061.8	1061.8	1067.9	1069.9	1069.9	1066.9	1063.9	1066.9	1075.9	1078.9	1077.9
5°	1057.9	1065.9	1076.9	1078.9	1080.9	1079.9	1077.9	1079.9	1089.8	1091.8	1092.8
7.5°	1049.9	1064.9	1078.9	1081.9	1084.8	1081.9	1080.9	1082.9	1092.8	1094.8	1094.8
10°	1039.9	1060.8	1076.9	1078.9	1081.9	1078.9	1078.9	1082.9	1092.8	1094.8	1095.8
12.5°	1026.0	1054.9	1069.9	1071.9	1075.9	1074.9	1073.9	1077.9	1087.8	1089.8	1089.8
15°	1010.0	1043.9	1057.9	1059.8	1066.9	1064.9	1064.9	1068.9	1079.9	1082.9	1081.9
17.5°	988.1	1030.0	1045.9	1048.9	1053.9	1052.9	1053.9	1057.9	1067.9	1069.9	1070.9
20°	963.2	1011.0	1030.0	1033.0	1037.9	1037.9	1037.9	1042.9	1052.9	1056.9	1056.9
22.5°	929.4	991.1	1011.0	1013.0	1019.0	1019.0	1021.0	1028.0	1036.9	1037.9	1037.9
25°	889.5	969.2	986.1	992.1	998.1	1001.1	1004.1	1008.1	1011.0	1010.0	1011.0
27.5°	847.7	941.3	963.2	967.2	975.2	978.2	982.2	983.2	984.1	987.1	985.1
30°	800.9	902.5	935.3	939.3	952.3	954.3	950.3	952.3	957.3	959.2	961.2
32.5°	748.1	844.7	906.5	915.4	927.4	921.4	920.4	923.4	931.4	931.4	933.4
35°	676.4	799.9	879.6	887.5	896.5	889.5	893.5	894.5	899.5	902.5	901.5
37.5°	597.7	761.0	851.7	857.7	864.6	855.7	861.6	864.6	868.6	866.6	866.6
40°	528.0	700.3	818.8	822.8	828.8	821.8	827.8	829.8	831.8	829.8	828.8
42.5°	476.2	633.6	784.0	788.9	784.9	789.9	791.9	795.9	792.9	788.9	788.9
45°	436.3	615.6	746.1	752.1	746.1	754.1	757.1	757.1	748.1	746.1	745.1
47.5°	423.4	579.8	708.3	708.3	705.3	715.2	720.2	713.2	704.3	701.3	701.3
50°	422.4	539.9	656.5	652.5	666.4	678.4	673.4	666.4	659.5	648.5	648.5
52.5°	383.6	491.1	589.7	604.7	626.6	633.6	625.6	618.6	606.7	601.7	597.7
55°	355.7	440.3	529.0	558.9	581.8	590.7	575.8	568.8	550.9	547.9	545.9
57.5°	349.6	366.6	473.2	511.0	538.9	537.9	529.0	516.0	501.1	498.1	497.1
60°	320.7	264.9	413.4	458.3	487.1	484.2	476.2	464.2	450.3	448.3	446.3
62.5°	290.8	192.2	345.6	396.5	437.3	436.3	429.4	411.4	401.5	396.5	392.5
65°	247.0	161.4	246.0	329.7	388.5	390.5	375.6	362.6	351.6	345.6	344.6
67.5°	188.2	131.5	166.3	274.9	341.6	339.6	320.7	314.7	300.8	297.8	291.8
70°	139.4	87.6	115.5	223.1	295.8	290.8	275.9	268.9	256.0	249.0	245.0
72.5°	115.5	70.7	84.7	173.3	249.0	243.0	230.1	222.1	211.2	205.2	201.2
75°	93.6	74.7	64.7	128.5	202.2	198.2	186.3	178.3	169.3	161.4	162.3
77.5°	68.7	69.7	51.8	94.6	160.4	154.4	147.4	137.4	133.5	125.5	125.5
80°	51.8	54.8	38.8	64.7	115.5	115.5	109.6	102.6	95.6	91.6	91.6
82.5°	34.9	34.9	28.9	40.8	78.7	75.7	71.7	69.7	65.7	63.7	63.7
85°	15.9	19.9	17.9	24.9	42.8	44.8	44.8	42.8	41.8	39.8	40.8
87.5°	5.0	9.0	11.0	13.9	21.9	22.9	23.9	23.9	23.9	24.9	24.9
90°	5.2	9.3	13.4	14.4	22.7	33.7	39.1	34.8	26.1	19.6	19.6
92.5°	20.6	55.7	90.7	99.5	139.9	193.8	220.7	193.4	138.9	98.0	94.1
95°	49.5	113.6	177.9	193.9	344.3	544.8	645.1	575.7	436.8	332.7	320.8
97.5°	85.6	142.1	198.8	212.9	463.7	798.1	965.3	921.4	833.7	767.8	745.4
100°	113.4	164.8	216.1	229.0	507.3	878.3	1063.8	1067.0	1073.5	1078.3	1051.5
102.5°	137.1	185.1	233.0	244.9	527.2	903.6	1091.7	1147.7	1259.5	1343.4	1320.5
105°	177.4	218.0	258.6	268.7	542.0	906.5	1088.6	1214.0	1464.7	1652.8	1640.4
107.5°	218.6	256.5	294.3	303.8	544.8	866.1	1026.8	1201.7	1551.4	1813.6	1816.6
110°	246.5	280.7	314.7	323.3	540.6	830.4	975.2	1170.7	1561.7	1855.0	1867.8



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CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	273.8	306.4	338.8	347.0	540.7	799.1	928.3	1128.4	1528.6	1828.7	1848.4
115°	315.0	345.1	375.2	382.7	545.8	763.2	872.0	1064.7	1450.3	1739.4	1766.7
117.5°	355.9	383.2	410.5	417.2	556.0	740.9	833.4	1007.3	1355.2	1616.1	1646.4
120°	379.6	405.3	431.0	437.3	564.2	733.4	817.9	976.9	1294.7	1533.1	1562.6
122.5°	402.8	428.7	454.6	461.0	576.1	729.4	806.1	949.2	1235.4	1450.1	1479.2
125°	438.3	461.9	485.6	491.4	592.0	726.1	793.1	914.7	1157.8	1340.2	1367.0
127.5°	467.2	491.0	514.8	520.8	608.0	724.2	782.3	886.6	1095.5	1252.1	1274.7
130°	482.7	508.4	534.1	540.4	619.7	725.4	778.2	871.1	1057.0	1196.4	1217.2
132.5°	498.7	524.4	550.1	556.5	629.2	726.1	774.6	857.8	1024.2	1149.0	1167.6
135°	522.4	545.8	569.1	575.0	639.4	725.4	768.4	838.1	977.5	1082.0	1098.1
137.5°	546.6	569.7	592.9	598.7	654.9	729.9	767.3	826.2	944.0	1032.4	1045.5
140°	566.7	588.0	609.4	614.7	664.4	730.7	763.7	814.6	916.4	992.7	1005.1
142.5°	582.2	601.9	621.6	626.6	672.3	733.3	763.7	808.5	897.8	964.8	975.4
145°	606.0	623.1	640.3	644.6	682.6	733.3	758.6	795.1	868.2	923.1	931.2
147.5°	629.7	646.4	663.1	667.3	697.7	738.2	758.6	787.3	844.9	888.0	894.7
150°	645.1	660.2	675.4	679.2	705.7	740.9	758.6	782.9	831.5	867.9	873.3
152.5°	661.1	672.6	684.1	686.9	710.8	742.6	758.6	779.3	820.8	851.9	856.0
155°	684.8	693.3	701.8	703.9	722.1	746.4	758.6	775.1	808.1	832.9	835.5
157.5°	702.4	710.6	718.8	720.9	733.5	750.2	758.6	771.4	797.1	816.3	818.2
160°	714.2	720.6	727.1	728.7	738.6	751.9	758.6	769.5	791.5	808.1	809.2
162.5°	726.1	730.9	735.7	736.9	744.1	753.8	758.6	767.8	786.4	800.4	801.4
165°	738.9	743.3	747.7	748.8	752.1	756.4	758.6	765.2	778.5	788.4	789.5
167.5°	750.9	752.9	755.0	755.5	758.3	761.9	763.7	768.1	776.8	783.4	783.9
170°	758.6	760.6	762.7	763.2	763.4	763.6	763.7	768.1	776.8	783.4	783.4
172.5°	762.7	763.1	763.6	763.7	763.7	763.7	763.7	767.1	774.0	779.2	778.8
175°	768.4	768.4	768.4	768.4	766.8	764.7	763.7	765.9	770.2	773.5	773.5
177.5°	768.4	768.4	768.4	768.4	767.2	765.5	764.7	766.4	769.9	772.5	772.0
180°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9
2.5°	1079.9	1076.9	1079.9	1077.9	1078.9	1075.9	1066.9	1063.9	1066.9	1069.9	1069.9
5°	1092.8	1090.8	1092.8	1092.8	1091.8	1089.8	1079.9	1077.9	1079.9	1080.9	1078.9
7.5°	1096.8	1093.8	1096.8	1094.8	1094.8	1092.8	1082.9	1080.9	1081.9	1084.8	1081.9
10°	1096.8	1093.8	1096.8	1095.8	1094.8	1092.8	1082.9	1078.9	1078.9	1081.9	1078.9
12.5°	1091.8	1089.8	1091.8	1089.8	1089.8	1087.8	1077.9	1073.9	1074.9	1075.9	1071.9
15°	1083.8	1080.9	1083.8	1081.9	1082.9	1079.9	1068.9	1064.9	1064.9	1066.9	1059.8
17.5°	1071.9	1067.9	1071.9	1070.9	1069.9	1067.9	1057.9	1053.9	1052.9	1053.9	1048.9
20°	1057.9	1054.9	1057.9	1056.9	1056.9	1052.9	1042.9	1037.9	1037.9	1037.9	1033.0
22.5°	1035.9	1033.0	1035.9	1037.9	1037.9	1036.9	1028.0	1021.0	1019.0	1019.0	1013.0
25°	1011.0	1008.1	1011.0	1011.0	1010.0	1011.0	1008.1	1004.1	1001.1	998.1	992.1
27.5°	987.1	985.1	987.1	985.1	987.1	984.1	983.2	982.2	978.2	975.2	967.2
30°	963.2	961.2	963.2	961.2	959.2	957.3	952.3	950.3	954.3	952.3	939.3
32.5°	933.4	931.4	933.4	933.4	931.4	931.4	923.4	920.4	921.4	927.4	915.4
35°	902.5	899.5	902.5	901.5	902.5	899.5	894.5	893.5	889.5	896.5	887.5
37.5°	866.6	863.6	866.6	866.6	866.6	868.6	864.6	861.6	855.7	864.6	857.7
40°	829.8	825.8	829.8	828.8	829.8	831.8	829.8	827.8	821.8	828.8	822.8
42.5°	787.9	786.9	787.9	788.9	788.9	792.9	795.9	791.9	789.9	784.9	788.9
45°	743.1	741.1	743.1	745.1	746.1	748.1	757.1	757.1	754.1	746.1	752.1
47.5°	695.3	690.3	695.3	701.3	701.3	704.3	713.2	720.2	715.2	705.3	708.3
50°	644.5	645.5	644.5	648.5	648.5	659.5	666.4	673.4	678.4	666.4	652.5
52.5°	594.7	593.7	594.7	597.7	601.7	606.7	618.6	625.6	633.6	626.6	604.7
55°	544.9	546.9	544.9	545.9	547.9	550.9	568.8	575.8	590.7	581.8	558.9
57.5°	495.1	492.1	495.1	497.1	498.1	501.1	516.0	529.0	537.9	538.9	511.0
60°	437.3	433.4	437.3	446.3	448.3	450.3	464.2	476.2	484.2	487.1	458.3
62.5°	386.5	379.6	386.5	392.5	396.5	401.5	411.4	429.4	436.3	437.3	396.5
65°	332.7	329.7	332.7	344.6	345.6	351.6	362.6	375.6	390.5	388.5	329.7
67.5°	283.9	283.9	283.9	291.8	297.8	300.8	314.7	320.7	339.6	341.6	274.9
70°	239.0	238.0	239.0	245.0	249.0	256.0	268.9	275.9	290.8	295.8	223.1
72.5°	196.2	195.2	196.2	201.2	205.2	211.2	222.1	230.1	243.0	249.0	173.3
75°	158.4	156.4	158.4	162.3	161.4	169.3	178.3	186.3	198.2	202.2	128.5
77.5°	121.5	121.5	121.5	125.5	125.5	133.5	137.4	147.4	154.4	160.4	94.6
80°	90.6	89.6	90.6	91.6	91.6	95.6	102.6	109.6	115.5	115.5	64.7
82.5°	63.7	61.8	63.7	63.7	63.7	65.7	69.7	71.7	75.7	78.7	40.8
85°	39.8	39.8	39.8	40.8	39.8	41.8	42.8	44.8	44.8	42.8	24.9
87.5°	25.9	24.9	25.9	24.9	24.9	23.9	23.9	23.9	22.9	21.9	13.9
90°	19.6	19.6	19.6	19.6	19.6	26.1	34.8	39.1	33.7	22.7	14.4
92.5°	78.5	62.9	78.5	94.1	98.0	138.9	193.4	220.7	193.8	139.9	99.5
95°	273.6	226.4	273.6	320.8	332.7	436.8	575.7	645.1	544.8	344.3	193.9
97.5°	655.6	565.7	655.6	745.4	767.8	833.7	921.4	965.3	798.1	463.7	212.9
100°	944.5	837.4	944.5	1051.5	1078.3	1073.5	1067.0	1063.8	878.3	507.3	229.0
102.5°	1228.8	1137.1	1228.8	1320.5	1343.4	1259.5	1147.7	1091.7	903.6	527.2	244.9
105°	1591.2	1541.9	1591.2	1640.4	1652.8	1464.7	1214.0	1088.6	906.5	542.0	268.7
107.5°	1828.6	1840.5	1828.6	1816.6	1813.6	1551.4	1201.7	1026.8	866.1	544.8	303.8
110°	1919.1	1970.4	1919.1	1867.8	1855.0	1561.7	1170.7	975.2	830.4	540.6	323.3





TEST NUMBER: P935582

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1927.2	2006.0	1927.2	1848.4	1828.7	1528.6	1128.4	928.3	799.1	540.7	347.0
115°	1876.1	1985.4	1876.1	1766.7	1739.4	1450.3	1064.7	872.0	763.2	545.8	382.7
117.5°	1767.7	1888.9	1767.7	1646.4	1616.1	1355.2	1007.3	833.4	740.9	556.0	417.2
120°	1680.4	1798.2	1680.4	1562.6	1533.1	1294.7	976.9	817.9	733.4	564.2	437.3
122.5°	1595.3	1711.5	1595.3	1479.2	1450.1	1235.4	949.2	806.1	729.4	576.1	461.0
125°	1474.0	1581.1	1474.0	1367.0	1340.2	1157.8	914.7	793.1	726.1	592.0	491.4
127.5°	1364.9	1455.3	1364.9	1274.7	1252.1	1095.5	886.6	782.3	724.2	608.0	520.8
130°	1300.7	1384.1	1300.7	1217.2	1196.4	1057.0	871.1	778.2	725.4	619.7	540.4
132.5°	1242.3	1317.0	1242.3	1167.6	1149.0	1024.2	857.8	774.6	726.1	629.2	556.5
135°	1162.4	1226.8	1162.4	1098.1	1082.0	977.5	838.1	768.4	725.4	639.4	575.0
137.5°	1098.3	1151.0	1098.3	1045.5	1032.4	944.0	826.2	767.3	729.9	654.9	598.7
140°	1054.3	1103.6	1054.3	1005.1	992.7	916.4	814.6	763.7	730.7	664.4	614.7
142.5°	1017.8	1060.2	1017.8	975.4	964.8	897.8	808.5	763.7	733.3	672.3	626.6
145°	963.2	995.3	963.2	931.2	923.1	868.2	795.1	758.6	733.3	682.6	644.6
147.5°	921.2	947.8	921.2	894.7	888.0	844.9	787.3	758.6	738.2	697.7	667.3
150°	894.9	916.4	894.9	873.3	867.9	831.5	782.9	758.6	740.9	705.7	679.2
152.5°	872.2	888.5	872.2	856.0	851.9	820.8	779.3	758.6	742.6	710.8	686.9
155°	846.3	857.1	846.3	835.5	832.9	808.1	775.1	758.6	746.4	722.1	703.9
157.5°	825.8	833.4	825.8	818.2	816.3	797.1	771.4	758.6	750.2	733.5	720.9
160°	813.5	817.9	813.5	809.2	808.1	791.5	769.5	758.6	751.9	738.6	728.7
162.5°	805.6	809.6	805.6	801.4	800.4	786.4	767.8	758.6	753.8	744.1	736.9
165°	793.9	798.3	793.9	789.5	788.4	778.5	765.2	758.6	756.4	752.1	748.8
167.5°	785.6	787.4	785.6	783.9	783.4	776.8	768.1	763.7	761.9	758.3	755.5
170°	783.4	783.4	783.4	783.4	783.4	776.8	768.1	763.7	763.6	763.4	763.2
172.5°	777.2	775.6	777.2	778.8	779.2	774.0	767.1	763.7	763.7	763.7	763.7
175°	773.5	773.5	773.5	773.5	773.5	770.2	765.9	763.7	764.7	766.8	768.4
177.5°	770.2	768.4	770.2	772.0	772.5	769.9	766.4	764.7	765.5	767.2	768.4
180°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4



TEST NUMBER: P935582

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9
2.5°	1067.9	1061.8	1061.8	1051.9	1047.9	1044.9	1039.9	1025.0	1021.0	1017.0	1023.0
5°	1076.9	1065.9	1057.9	1039.9	1025.0	1019.0	1000.1	964.2	940.3	922.4	912.4
7.5°	1078.9	1064.9	1049.9	1022.0	986.1	970.2	912.4	846.7	828.8	812.8	802.9
10°	1076.9	1060.8	1039.9	998.1	913.4	885.5	827.8	784.9	774.0	771.0	774.0
12.5°	1069.9	1054.9	1026.0	956.3	837.7	818.8	784.9	760.0	758.1	763.0	789.9
15°	1057.9	1043.9	1010.0	900.5	795.9	782.0	758.1	749.1	760.0	794.9	875.6
17.5°	1045.9	1030.0	988.1	845.7	764.0	754.1	737.1	755.1	816.8	863.6	890.5
20°	1030.0	1011.0	963.2	805.9	741.1	732.2	724.2	804.9	851.7	868.6	883.6
22.5°	1011.0	991.1	929.4	778.0	717.2	710.2	715.2	832.8	851.7	863.6	876.6
25°	986.1	969.2	889.5	756.1	698.3	690.3	709.3	829.8	840.7	843.7	869.6
27.5°	963.2	941.3	847.7	736.1	675.4	672.4	714.2	816.8	824.8	827.8	855.7
30°	935.3	902.5	800.9	715.2	651.5	650.5	715.2	800.9	798.9	806.9	834.7
32.5°	906.5	844.7	748.1	689.3	628.6	627.6	708.3	777.0	775.0	785.9	806.9
35°	879.6	799.9	676.4	659.5	599.7	600.7	691.3	749.1	750.1	760.0	773.0
37.5°	851.7	761.0	597.7	626.6	571.8	571.8	668.4	723.2	721.2	724.2	742.1
40°	818.8	700.3	528.0	583.8	545.9	542.9	640.5	695.3	688.3	687.3	712.2
42.5°	784.0	633.6	476.2	527.0	516.0	512.0	606.7	661.4	648.5	651.5	683.4
45°	746.1	615.6	436.3	445.3	485.2	482.2	569.8	622.6	613.6	621.6	654.5
47.5°	708.3	579.8	423.4	369.6	452.3	451.3	529.0	584.8	579.8	587.7	622.6
50°	656.5	539.9	422.4	316.7	415.4	419.4	480.2	547.9	547.9	554.9	591.7
52.5°	589.7	491.1	383.6	286.8	372.6	384.6	437.3	516.0	518.0	525.0	557.9
55°	529.0	440.3	355.7	263.9	321.7	347.6	395.5	483.2	487.1	494.1	524.0
57.5°	473.2	366.6	349.6	237.0	274.9	299.8	358.7	451.3	453.3	459.3	488.1
60°	413.4	264.9	320.7	208.2	234.1	253.0	324.7	413.4	420.4	424.4	449.3
62.5°	345.6	192.2	290.8	188.2	214.1	218.1	296.8	377.6	386.5	389.5	404.5
65°	246.0	161.4	247.0	171.3	193.2	194.2	266.9	340.6	348.6	353.6	364.6
67.5°	166.3	131.5	188.2	155.4	177.3	178.3	238.0	297.8	308.8	312.7	319.7
70°	115.5	87.6	139.4	138.4	159.4	161.4	207.2	259.0	268.9	271.9	275.9
72.5°	84.7	70.7	115.5	124.5	140.4	142.4	175.3	215.1	225.1	228.1	230.1
75°	64.7	74.7	93.6	108.6	119.5	120.5	143.4	175.3	182.3	184.3	185.3
77.5°	51.8	69.7	68.7	87.6	97.6	95.6	112.5	135.5	141.4	141.4	141.4
80°	38.8	54.8	51.8	62.7	71.7	69.7	80.7	96.6	98.6	100.6	99.6
82.5°	28.9	34.9	34.9	39.8	47.8	45.8	53.8	62.7	62.7	62.7	64.7
85°	17.9	19.9	15.9	20.9	26.9	25.9	29.9	33.9	34.9	34.9	32.9
87.5°	11.0	9.0	5.0	8.0	12.0	12.0	13.9	14.9	13.9	13.9	13.9
90°	13.4	9.3	5.2	9.3	13.4	14.4	22.7	33.7	39.1	34.8	26.1
92.5°	90.7	55.7	20.6	55.7	90.7	99.5	139.9	193.8	220.7	193.4	138.9
95°	177.9	113.6	49.5	113.6	177.9	193.9	344.3	544.8	645.1	575.7	436.8
97.5°	198.8	142.1	85.6	142.1	198.8	212.9	463.7	798.1	965.3	921.4	833.7
100°	216.1	164.8	113.4	164.8	216.1	229.0	507.3	878.3	1063.8	1067.0	1073.5
102.5°	233.0	185.1	137.1	185.1	233.0	244.9	527.2	903.6	1091.7	1147.7	1259.5
105°	258.6	218.0	177.4	218.0	258.6	268.7	542.0	906.5	1088.6	1214.0	1464.7
107.5°	294.3	256.5	218.6	256.5	294.3	303.8	544.8	866.1	1026.8	1201.7	1551.4
110°	314.7	280.7	246.5	280.7	314.7	323.3	540.6	830.4	975.2	1170.7	1561.7



TEST NUMBER: P935582

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	338.8	306.4	273.8	306.4	338.8	347.0	540.7	799.1	928.3	1128.4	1528.6
115°	375.2	345.1	315.0	345.1	375.2	382.7	545.8	763.2	872.0	1064.7	1450.3
117.5°	410.5	383.2	355.9	383.2	410.5	417.2	556.0	740.9	833.4	1007.3	1355.2
120°	431.0	405.3	379.6	405.3	431.0	437.3	564.2	733.4	817.9	976.9	1294.7
122.5°	454.6	428.7	402.8	428.7	454.6	461.0	576.1	729.4	806.1	949.2	1235.4
125°	485.6	461.9	438.3	461.9	485.6	491.4	592.0	726.1	793.1	914.7	1157.8
127.5°	514.8	491.0	467.2	491.0	514.8	520.8	608.0	724.2	782.3	886.6	1095.5
130°	534.1	508.4	482.7	508.4	534.1	540.4	619.7	725.4	778.2	871.1	1057.0
132.5°	550.1	524.4	498.7	524.4	550.1	556.5	629.2	726.1	774.6	857.8	1024.2
135°	569.1	545.8	522.4	545.8	569.1	575.0	639.4	725.4	768.4	838.1	977.5
137.5°	592.9	569.7	546.6	569.7	592.9	598.7	654.9	729.9	767.3	826.2	944.0
140°	609.4	588.0	566.7	588.0	609.4	614.7	664.4	730.7	763.7	814.6	916.4
142.5°	621.6	601.9	582.2	601.9	621.6	626.6	672.3	733.3	763.7	808.5	897.8
145°	640.3	623.1	606.0	623.1	640.3	644.6	682.6	733.3	758.6	795.1	868.2
147.5°	663.1	646.4	629.7	646.4	663.1	667.3	697.7	738.2	758.6	787.3	844.9
150°	675.4	660.2	645.1	660.2	675.4	679.2	705.7	740.9	758.6	782.9	831.5
152.5°	684.1	672.6	661.1	672.6	684.1	686.9	710.8	742.6	758.6	779.3	820.8
155°	701.8	693.3	684.8	693.3	701.8	703.9	722.1	746.4	758.6	775.1	808.1
157.5°	718.8	710.6	702.4	710.6	718.8	720.9	733.5	750.2	758.6	771.4	797.1
160°	727.1	720.6	714.2	720.6	727.1	728.7	738.6	751.9	758.6	769.5	791.5
162.5°	735.7	730.9	726.1	730.9	735.7	736.9	744.1	753.8	758.6	767.8	786.4
165°	747.7	743.3	738.9	743.3	747.7	748.8	752.1	756.4	758.6	765.2	778.5
167.5°	755.0	752.9	750.9	752.9	755.0	755.5	758.3	761.9	763.7	768.1	776.8
170°	762.7	760.6	758.6	760.6	762.7	763.2	763.4	763.6	763.7	768.1	776.8
172.5°	763.6	763.1	762.7	763.1	763.6	763.7	763.7	763.7	763.7	767.1	774.0
175°	768.4	768.4	768.4	768.4	768.4	768.4	766.8	764.7	763.7	765.9	770.2
177.5°	768.4	768.4	768.4	768.4	768.4	768.4	767.2	765.5	764.7	766.4	769.9
180°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4



TEST NUMBER: P935582

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9	1052.9
2.5°	1016.0	1013.0	1017.0	1006.1	1017.0	1013.0	1016.0	1023.0	1017.0	1021.0	1025.0
5°	891.5	886.5	870.6	857.7	870.6	886.5	891.5	912.4	922.4	940.3	964.2
7.5°	796.9	792.9	788.9	781.0	788.9	792.9	796.9	802.9	812.8	828.8	846.7
10°	776.0	777.0	783.0	782.0	783.0	777.0	776.0	774.0	771.0	774.0	784.9
12.5°	829.8	838.7	871.6	869.6	871.6	838.7	829.8	789.9	763.0	758.1	760.0
15°	891.5	894.5	901.5	902.5	901.5	894.5	891.5	875.6	794.9	760.0	749.1
17.5°	897.5	898.5	903.5	903.5	903.5	898.5	897.5	890.5	863.6	816.8	755.1
20°	892.5	894.5	904.5	906.5	904.5	894.5	892.5	883.6	868.6	851.7	804.9
22.5°	890.5	894.5	902.5	901.5	902.5	894.5	890.5	876.6	863.6	851.7	832.8
25°	880.6	880.6	881.6	882.6	881.6	880.6	880.6	869.6	843.7	840.7	829.8
27.5°	859.6	861.6	867.6	866.6	867.6	861.6	859.6	855.7	827.8	824.8	816.8
30°	840.7	838.7	833.8	829.8	833.8	838.7	840.7	834.7	806.9	798.9	800.9
32.5°	808.9	803.9	798.9	795.9	798.9	803.9	808.9	806.9	785.9	775.0	777.0
35°	771.0	772.0	771.0	768.0	771.0	772.0	771.0	773.0	760.0	750.1	749.1
37.5°	744.1	746.1	745.1	741.1	745.1	746.1	744.1	742.1	724.2	721.2	723.2
40°	716.2	717.2	716.2	713.2	716.2	717.2	716.2	712.2	687.3	688.3	695.3
42.5°	689.3	688.3	685.3	683.4	685.3	688.3	689.3	683.4	651.5	648.5	661.4
45°	658.5	659.5	653.5	650.5	653.5	659.5	658.5	654.5	621.6	613.6	622.6
47.5°	627.6	627.6	622.6	619.6	622.6	627.6	627.6	622.6	587.7	579.8	584.8
50°	594.7	593.7	586.7	585.7	586.7	593.7	594.7	591.7	554.9	547.9	547.9
52.5°	556.9	556.9	557.9	559.9	557.9	556.9	556.9	557.9	525.0	518.0	516.0
55°	524.0	525.0	532.0	534.0	532.0	525.0	524.0	524.0	494.1	487.1	483.2
57.5°	490.1	490.1	495.1	495.1	495.1	490.1	490.1	488.1	459.3	453.3	451.3
60°	451.3	453.3	457.3	456.3	457.3	453.3	451.3	449.3	424.4	420.4	413.4
62.5°	410.5	412.4	413.4	411.4	413.4	412.4	410.5	404.5	389.5	386.5	377.6
65°	367.6	369.6	370.6	368.6	370.6	369.6	367.6	364.6	353.6	348.6	340.6
67.5°	323.7	322.7	321.7	325.7	321.7	322.7	323.7	319.7	312.7	308.8	297.8
70°	278.9	278.9	277.9	279.9	277.9	278.9	278.9	275.9	271.9	268.9	259.0
72.5°	231.1	230.1	234.1	231.1	234.1	230.1	231.1	230.1	228.1	225.1	215.1
75°	184.3	186.3	184.3	187.2	184.3	186.3	184.3	185.3	184.3	182.3	175.3
77.5°	140.4	142.4	140.4	140.4	140.4	142.4	140.4	141.4	141.4	141.4	135.5
80°	99.6	98.6	98.6	97.6	98.6	98.6	99.6	99.6	100.6	98.6	96.6
82.5°	63.7	62.7	62.7	64.7	62.7	62.7	63.7	64.7	62.7	62.7	62.7
85°	34.9	35.9	33.9	33.9	33.9	35.9	34.9	32.9	34.9	34.9	33.9
87.5°	12.9	12.0	12.0	12.0	12.0	12.0	12.9	13.9	13.9	13.9	14.9
90°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	26.1	34.8	39.1	33.7
92.5°	98.0	94.1	78.5	62.9	78.5	94.1	98.0	138.9	193.4	220.7	193.8
95°	332.7	320.8	273.6	226.4	273.6	320.8	332.7	436.8	575.7	645.1	544.8
97.5°	767.8	745.4	655.6	565.7	655.6	745.4	767.8	833.7	921.4	965.3	798.1
100°	1078.3	1051.5	944.5	837.4	944.5	1051.5	1078.3	1073.5	1067.0	1063.8	878.3
102.5°	1343.4	1320.5	1228.8	1137.1	1228.8	1320.5	1343.4	1259.5	1147.7	1091.7	903.6
105°	1652.8	1640.4	1591.2	1541.9	1591.2	1640.4	1652.8	1464.7	1214.0	1088.6	906.5
107.5°	1813.6	1816.6	1828.6	1840.5	1828.6	1816.6	1813.6	1551.4	1201.7	1026.8	866.1
110°	1855.0	1867.8	1919.1	1970.4	1919.1	1867.8	1855.0	1561.7	1170.7	975.2	830.4



TEST NUMBER: P935582

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1828.7	1848.4	1927.2	2006.0	1927.2	1848.4	1828.7	1528.6	1128.4	928.3	799.1
115°	1739.4	1766.7	1876.1	1985.4	1876.1	1766.7	1739.4	1450.3	1064.7	872.0	763.2
117.5°	1616.1	1646.4	1767.7	1888.9	1767.7	1646.4	1616.1	1355.2	1007.3	833.4	740.9
120°	1533.1	1562.6	1680.4	1798.2	1680.4	1562.6	1533.1	1294.7	976.9	817.9	733.4
122.5°	1450.1	1479.2	1595.3	1711.5	1595.3	1479.2	1450.1	1235.4	949.2	806.1	729.4
125°	1340.2	1367.0	1474.0	1581.1	1474.0	1367.0	1340.2	1157.8	914.7	793.1	726.1
127.5°	1252.1	1274.7	1364.9	1455.3	1364.9	1274.7	1252.1	1095.5	886.6	782.3	724.2
130°	1196.4	1217.2	1300.7	1384.1	1300.7	1217.2	1196.4	1057.0	871.1	778.2	725.4
132.5°	1149.0	1167.6	1242.3	1317.0	1242.3	1167.6	1149.0	1024.2	857.8	774.6	726.1
135°	1082.0	1098.1	1162.4	1226.8	1162.4	1098.1	1082.0	977.5	838.1	768.4	725.4
137.5°	1032.4	1045.5	1098.3	1151.0	1098.3	1045.5	1032.4	944.0	826.2	767.3	729.9
140°	992.7	1005.1	1054.3	1103.6	1054.3	1005.1	992.7	916.4	814.6	763.7	730.7
142.5°	964.8	975.4	1017.8	1060.2	1017.8	975.4	964.8	897.8	808.5	763.7	733.3
145°	923.1	931.2	963.2	995.3	963.2	931.2	923.1	868.2	795.1	758.6	733.3
147.5°	888.0	894.7	921.2	947.8	921.2	894.7	888.0	844.9	787.3	758.6	738.2
150°	867.9	873.3	894.9	916.4	894.9	873.3	867.9	831.5	782.9	758.6	740.9
152.5°	851.9	856.0	872.2	888.5	872.2	856.0	851.9	820.8	779.3	758.6	742.6
155°	832.9	835.5	846.3	857.1	846.3	835.5	832.9	808.1	775.1	758.6	746.4
157.5°	816.3	818.2	825.8	833.4	825.8	818.2	816.3	797.1	771.4	758.6	750.2
160°	808.1	809.2	813.5	817.9	813.5	809.2	808.1	791.5	769.5	758.6	751.9
162.5°	800.4	801.4	805.6	809.6	805.6	801.4	800.4	786.4	767.8	758.6	753.8
165°	788.4	789.5	793.9	798.3	793.9	789.5	788.4	778.5	765.2	758.6	756.4
167.5°	783.4	783.9	785.6	787.4	785.6	783.9	783.4	776.8	768.1	763.7	761.9
170°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	776.8	768.1	763.7	763.6
172.5°	779.2	778.8	777.2	775.6	777.2	778.8	779.2	774.0	767.1	763.7	763.7
175°	773.5	773.5	773.5	773.5	773.5	773.5	773.5	770.2	765.9	763.7	764.7
177.5°	772.5	772.0	770.2	768.4	770.2	772.0	772.5	769.9	766.4	764.7	765.5
180°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1052.9	1052.9	1052.9	1052.9	1052.9
2.5°	1039.9	1044.9	1047.9	1051.9	1061.8
5°	1000.1	1019.0	1025.0	1039.9	1057.9
7.5°	912.4	970.2	986.1	1022.0	1049.9
10°	827.8	885.5	913.4	998.1	1039.9
12.5°	784.9	818.8	837.7	956.3	1026.0
15°	758.1	782.0	795.9	900.5	1010.0
17.5°	737.1	754.1	764.0	845.7	988.1
20°	724.2	732.2	741.1	805.9	963.2
22.5°	715.2	710.2	717.2	778.0	929.4
25°	709.3	690.3	698.3	756.1	889.5
27.5°	714.2	672.4	675.4	736.1	847.7
30°	715.2	650.5	651.5	715.2	800.9
32.5°	708.3	627.6	628.6	689.3	748.1
35°	691.3	600.7	599.7	659.5	676.4
37.5°	668.4	571.8	571.8	626.6	597.7
40°	640.5	542.9	545.9	583.8	528.0
42.5°	606.7	512.0	516.0	527.0	476.2
45°	569.8	482.2	485.2	445.3	436.3
47.5°	529.0	451.3	452.3	369.6	423.4
50°	480.2	419.4	415.4	316.7	422.4
52.5°	437.3	384.6	372.6	286.8	383.6
55°	395.5	347.6	321.7	263.9	355.7
57.5°	358.7	299.8	274.9	237.0	349.6
60°	324.7	253.0	234.1	208.2	320.7
62.5°	296.8	218.1	214.1	188.2	290.8
65°	266.9	194.2	193.2	171.3	247.0
67.5°	238.0	178.3	177.3	155.4	188.2
70°	207.2	161.4	159.4	138.4	139.4
72.5°	175.3	142.4	140.4	124.5	115.5
75°	143.4	120.5	119.5	108.6	93.6
77.5°	112.5	95.6	97.6	87.6	68.7
80°	80.7	69.7	71.7	62.7	51.8
82.5°	53.8	45.8	47.8	39.8	34.9
85°	29.9	25.9	26.9	20.9	15.9
87.5°	13.9	12.0	12.0	8.0	5.0
90°	22.7	14.4	13.4	9.3	5.2
92.5°	139.9	99.5	90.7	55.7	20.6
95°	344.3	193.9	177.9	113.6	49.5
97.5°	463.7	212.9	198.8	142.1	85.6
100°	507.3	229.0	216.1	164.8	113.4
102.5°	527.2	244.9	233.0	185.1	137.1
105°	542.0	268.7	258.6	218.0	177.4
107.5°	544.8	303.8	294.3	256.5	218.6
110°	540.6	323.3	314.7	280.7	246.5



TEST NUMBER: P935582

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	540.7	347.0	338.8	306.4	273.8
115°	545.8	382.7	375.2	345.1	315.0
117.5°	556.0	417.2	410.5	383.2	355.9
120°	564.2	437.3	431.0	405.3	379.6
122.5°	576.1	461.0	454.6	428.7	402.8
125°	592.0	491.4	485.6	461.9	438.3
127.5°	608.0	520.8	514.8	491.0	467.2
130°	619.7	540.4	534.1	508.4	482.7
132.5°	629.2	556.5	550.1	524.4	498.7
135°	639.4	575.0	569.1	545.8	522.4
137.5°	654.9	598.7	592.9	569.7	546.6
140°	664.4	614.7	609.4	588.0	566.7
142.5°	672.3	626.6	621.6	601.9	582.2
145°	682.6	644.6	640.3	623.1	606.0
147.5°	697.7	667.3	663.1	646.4	629.7
150°	705.7	679.2	675.4	660.2	645.1
152.5°	710.8	686.9	684.1	672.6	661.1
155°	722.1	703.9	701.8	693.3	684.8
157.5°	733.5	720.9	718.8	710.6	702.4
160°	738.6	728.7	727.1	720.6	714.2
162.5°	744.1	736.9	735.7	730.9	726.1
165°	752.1	748.8	747.7	743.3	738.9
167.5°	758.3	755.5	755.0	752.9	750.9
170°	763.4	763.2	762.7	760.6	758.6
172.5°	763.7	763.7	763.6	763.1	762.7
175°	766.8	768.4	768.4	768.4	768.4
177.5°	767.2	768.4	768.4	768.4	768.4
180°	768.4	768.4	768.4	768.4	768.4



TEST NUMBER: P935582  
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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	11.19	11.94	12.26	13.01	14.47	13.99	14.73	15.06	15.81	17.27
	3H	11.66	12.33	12.74	13.41	14.89	15.31	15.98	16.40	17.06	18.55
	4H	11.84	12.48	12.94	13.56	15.05	15.75	16.38	16.84	17.46	18.95
	6H	11.96	12.54	13.06	13.63	15.13	16.02	16.60	17.12	17.69	19.19
	8H	11.96	12.51	13.06	13.61	15.11	16.08	16.64	17.19	17.74	19.24
	12H	11.92	12.45	13.03	13.54	15.06	16.11	16.64	17.23	17.74	19.26
4H	2H	12.20	12.83	13.30	13.92	15.41	14.39	15.02	15.49	16.10	17.59
	3H	13.22	13.74	14.32	14.85	16.36	15.87	16.40	16.98	17.51	19.01
	4H	13.49	13.97	14.60	15.07	16.60	16.39	16.87	17.50	17.97	19.49
	6H	13.61	14.02	14.73	15.15	16.66	16.74	17.15	17.86	18.28	19.79
	8H	13.61	14.00	14.73	15.11	16.64	16.84	17.22	17.95	18.34	19.87
	12H	13.57	13.92	14.71	15.05	16.59	16.88	17.23	18.02	18.36	19.90
8H	4H	13.93	14.31	15.05	15.43	16.96	16.50	16.89	17.62	18.00	19.54
	6H	14.18	14.50	15.32	15.66	17.19	16.93	17.24	18.07	18.40	19.93
	8H	14.22	14.50	15.37	15.64	17.19	17.07	17.35	18.22	18.49	20.04
	12H	14.20	14.45	15.35	15.58	17.17	17.16	17.40	18.31	18.54	20.12
12H	4H	13.93	14.28	15.06	15.41	16.94	16.46	16.81	17.60	17.94	19.48
	6H	14.24	14.52	15.39	15.66	17.21	16.92	17.20	18.07	18.34	19.89
	8H	14.30	14.55	15.45	15.68	17.27	17.07	17.32	18.22	18.45	20.04