

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: P934782

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

Issue Date: 12/17/2024

**Test Information**

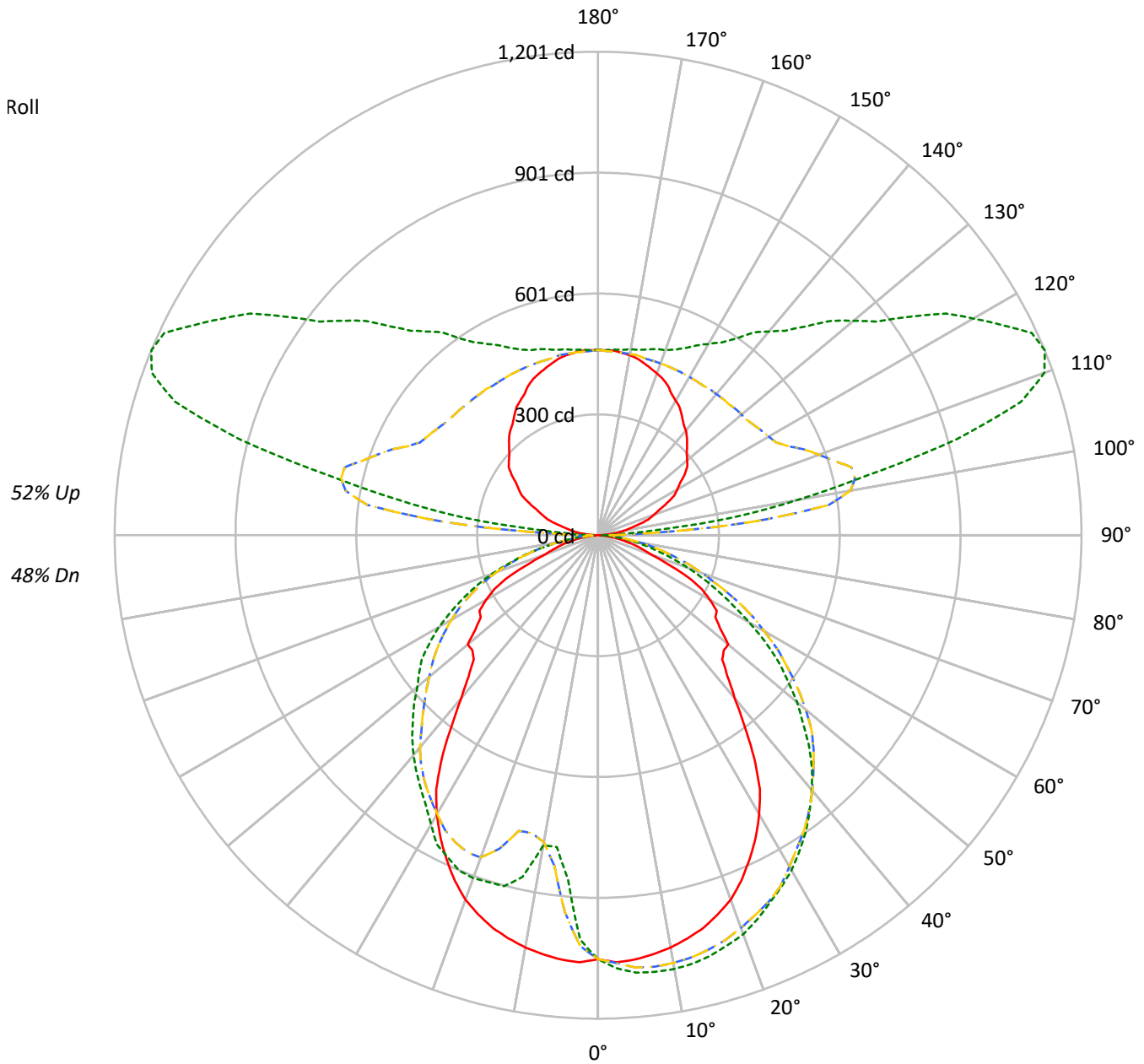
Test Method: LM-79-2019  
Report Number: P934782  
REPORT IS A COMBINATION OF REPORTS P933710 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5714.0 lumens  
Efficiency: N/A  
Efficacy: 134.8 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): 42.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P934782  
CATALOG NUMBER: SQ4-FA-075U-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	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

**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	1.7
10°-20°	269.9	4.7
20°-30°	417.1	7.3
30°-40°	498.0	8.7
40°-50°	500.9	8.8
50°-60°	435.9	7.6
60°-70°	309.0	5.4
70°-80°	163.5	2.9
80°-90°	42.5	0.7
90°-100°	224.3	3.9
100°-110°	589.6	10.3
110°-120°	611.3	10.7
120°-130°	490.4	8.6
130°-140°	384.8	6.7
140°-150°	295.3	5.2
150°-160°	212.7	3.7
160°-170°	130.1	2.3
170°-180°	44.0	0.8
0°-30°	782.0	13.7
0°-40°	1280.0	22.4
0°-60°	2216.8	38.8
0°-90°	2731.7	47.8
90°-120°	1425.1	24.9
90°-150°	2595.5	45.4
90°-180°	2982.0	52.2
0°-180°	5714.0	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°	3	12	3	12	3	3
95°	30	136	30	136	30	33
105°	106	923	106	923	106	113
115°	189	1189	189	1189	189	186
125°	262	947	262	947	262	233
135°	313	735	313	735	313	242
145°	363	596	363	596	363	227
155°	410	513	410	513	410	188
165°	442	478	442	478	442	125
175°	460	463	460	463	460	44
180°	460	460	460	460	460	



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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°	3.1	5.6	8.1	8.7	13.6	20.2	23.5	20.9	15.6	11.8	11.8
92.5°	12.4	33.4	54.3	59.6	83.8	116.0	132.2	115.8	83.2	58.7	56.4
95°	29.7	68.1	106.6	116.1	206.2	326.2	386.2	344.6	261.4	199.1	192.0
97.5°	51.3	85.2	119.0	127.5	277.7	477.9	578.0	551.7	499.2	459.8	446.3
100°	67.9	98.6	129.4	137.0	303.7	525.9	636.9	638.8	642.7	645.6	629.6
102.5°	82.2	110.9	139.4	146.6	315.6	541.0	653.7	687.1	754.1	804.3	790.5
105°	106.2	130.5	154.8	160.9	324.5	542.7	651.8	726.9	877.0	989.5	982.2
107.5°	130.9	153.6	176.2	181.9	326.2	518.5	614.7	719.4	928.8	1085.8	1087.6
110°	147.6	168.0	188.5	193.6	323.7	497.1	583.9	700.9	934.9	1110.5	1118.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	163.9	183.5	202.9	207.8	323.8	478.5	555.8	675.6	915.1	1094.8	1106.7
115°	188.6	206.6	224.6	229.1	326.8	457.0	522.1	637.5	868.3	1041.4	1057.8
117.5°	213.0	229.4	245.7	249.8	332.9	443.5	498.9	603.1	811.3	967.6	985.7
120°	227.3	242.6	258.0	261.8	337.7	439.0	489.6	584.9	775.2	917.9	935.5
122.5°	241.1	256.7	272.1	276.0	344.8	436.6	482.6	568.2	739.6	868.2	885.6
125°	262.4	276.6	290.7	294.2	354.5	434.8	474.9	547.7	693.3	802.5	818.5
127.5°	279.8	294.0	308.3	311.8	364.0	433.7	468.4	531.0	656.0	749.7	763.2
130°	289.0	304.4	319.7	323.6	371.0	434.3	465.9	521.6	632.9	716.3	728.8
132.5°	298.6	313.9	329.3	333.2	376.7	434.8	463.7	513.5	613.2	687.9	699.1
135°	312.7	326.7	340.7	344.2	382.9	434.4	460.1	501.8	585.2	647.8	657.5
137.5°	327.3	341.1	355.0	358.5	392.1	437.0	459.5	494.7	565.2	618.1	626.0
140°	339.3	352.1	364.8	368.0	397.8	437.4	457.3	487.7	548.6	594.3	601.7
142.5°	348.6	360.4	372.1	375.1	402.5	439.0	457.3	484.1	537.5	577.7	584.1
145°	362.7	373.1	383.4	386.0	408.7	439.0	454.2	476.1	519.8	552.7	557.5
147.5°	377.0	386.9	397.0	399.5	417.7	442.0	454.2	471.4	505.9	531.7	535.6
150°	386.2	395.3	404.4	406.7	422.5	443.6	454.2	468.7	497.8	519.6	522.8
152.5°	395.8	402.7	409.6	411.2	425.6	444.6	454.2	466.6	491.4	510.1	512.4
155°	410.1	415.1	420.1	421.4	432.4	446.9	454.2	464.0	483.8	498.6	500.2
157.5°	420.5	425.5	430.5	431.7	439.1	449.2	454.2	461.8	477.2	488.7	489.8
160°	427.6	431.5	435.3	436.2	442.2	450.2	454.2	460.7	474.0	483.9	484.5
162.5°	434.8	437.6	440.5	441.2	445.5	451.3	454.2	459.8	470.8	479.2	479.8
165°	442.4	445.0	447.6	448.3	450.3	452.9	454.2	458.2	466.1	472.1	472.8
167.5°	449.5	450.7	452.0	452.3	454.0	456.2	457.3	459.9	465.1	469.0	469.3
170°	454.2	455.4	456.7	457.0	457.1	457.2	457.3	459.9	465.1	469.0	469.0
172.5°	456.7	457.0	457.2	457.3	457.3	457.3	457.3	459.4	463.4	466.5	466.3
175°	460.1	460.1	460.1	460.1	459.2	457.9	457.3	458.6	461.1	463.1	463.1
177.5°	460.1	460.1	460.1	460.1	459.4	458.4	457.9	458.9	460.9	462.5	462.2
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1



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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°	11.8	11.8	11.8	11.8	11.8	15.6	20.9	23.5	20.2	13.6	8.7
92.5°	47.0	37.6	47.0	56.4	58.7	83.2	115.8	132.2	116.0	83.8	59.6
95°	163.8	135.6	163.8	192.0	199.1	261.4	344.6	386.2	326.2	206.2	116.1
97.5°	392.5	338.7	392.5	446.3	459.8	499.2	551.7	578.0	477.9	277.7	127.5
100°	565.5	501.4	565.5	629.6	645.6	642.7	638.8	636.9	525.9	303.7	137.0
102.5°	735.6	680.8	735.6	790.5	804.3	754.1	687.1	653.7	541.0	315.6	146.6
105°	952.7	923.2	952.7	982.2	989.5	877.0	726.9	651.8	542.7	324.5	160.9
107.5°	1094.8	1102.0	1094.8	1087.6	1085.8	928.8	719.4	614.7	518.5	326.2	181.9
110°	1149.0	1179.8	1149.0	1118.2	1110.5	934.9	700.9	583.9	497.1	323.7	193.6





TEST NUMBER: P934782

CATALOG NUMBER: SQ4-FA-075U-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°	1153.9	1201.1	1153.9	1106.7	1094.8	915.1	675.6	555.8	478.5	323.8	207.8
115°	1123.3	1188.7	1123.3	1057.8	1041.4	868.3	637.5	522.1	457.0	326.8	229.1
117.5°	1058.3	1131.0	1058.3	985.7	967.6	811.3	603.1	498.9	443.5	332.9	249.8
120°	1006.1	1076.6	1006.1	935.5	917.9	775.2	584.9	489.6	439.0	337.7	261.8
122.5°	955.2	1024.8	955.2	885.6	868.2	739.6	568.2	482.6	436.6	344.8	276.0
125°	882.6	946.6	882.6	818.5	802.5	693.3	547.7	474.9	434.8	354.5	294.2
127.5°	817.2	871.3	817.2	763.2	749.7	656.0	531.0	468.4	433.7	364.0	311.8
130°	778.8	828.7	778.8	728.8	716.3	632.9	521.6	465.9	434.3	371.0	323.6
132.5°	743.8	788.5	743.8	699.1	687.9	613.2	513.5	463.7	434.8	376.7	333.2
135°	696.0	734.6	696.0	657.5	647.8	585.2	501.8	460.1	434.4	382.9	344.2
137.5°	657.6	689.1	657.6	626.0	618.1	565.2	494.7	459.5	437.0	392.1	358.5
140°	631.3	660.7	631.3	601.7	594.3	548.6	487.7	457.3	437.4	397.8	368.0
142.5°	609.4	634.8	609.4	584.1	577.7	537.5	484.1	457.3	439.0	402.5	375.1
145°	576.7	595.9	576.7	557.5	552.7	519.8	476.1	454.2	439.0	408.7	386.0
147.5°	551.6	567.5	551.6	535.6	531.7	505.9	471.4	454.2	442.0	417.7	399.5
150°	535.7	548.7	535.7	522.8	519.6	497.8	468.7	454.2	443.6	422.5	406.7
152.5°	522.2	532.0	522.2	512.4	510.1	491.4	466.6	454.2	444.6	425.6	411.2
155°	506.7	513.1	506.7	500.2	498.6	483.8	464.0	454.2	446.9	432.4	421.4
157.5°	494.4	498.9	494.4	489.8	488.7	477.2	461.8	454.2	449.2	439.1	431.7
160°	487.0	489.6	487.0	484.5	483.9	474.0	460.7	454.2	450.2	442.2	436.2
162.5°	482.3	484.8	482.3	479.8	479.2	470.8	459.8	454.2	451.3	445.5	441.2
165°	475.4	478.0	475.4	472.8	472.1	466.1	458.2	454.2	452.9	450.3	448.3
167.5°	470.4	471.5	470.4	469.3	469.0	465.1	459.9	457.3	456.2	454.0	452.3
170°	469.0	469.0	469.0	469.0	469.0	465.1	459.9	457.3	457.2	457.1	457.0
172.5°	465.3	464.3	465.3	466.3	466.5	463.4	459.4	457.3	457.3	457.3	457.3
175°	463.1	463.1	463.1	463.1	463.1	461.1	458.6	457.3	457.9	459.2	460.1
177.5°	461.1	460.1	461.1	462.2	462.5	460.9	458.9	457.9	458.4	459.4	460.1
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1



TEST NUMBER: P934782

CATALOG NUMBER: SQ4-FA-075U-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°	8.1	5.6	3.1	5.6	8.1	8.7	13.6	20.2	23.5	20.9	15.6
92.5°	54.3	33.4	12.4	33.4	54.3	59.6	83.8	116.0	132.2	115.8	83.2
95°	106.6	68.1	29.7	68.1	106.6	116.1	206.2	326.2	386.2	344.6	261.4
97.5°	119.0	85.2	51.3	85.2	119.0	127.5	277.7	477.9	578.0	551.7	499.2
100°	129.4	98.6	67.9	98.6	129.4	137.0	303.7	525.9	636.9	638.8	642.7
102.5°	139.4	110.9	82.2	110.9	139.4	146.6	315.6	541.0	653.7	687.1	754.1
105°	154.8	130.5	106.2	130.5	154.8	160.9	324.5	542.7	651.8	726.9	877.0
107.5°	176.2	153.6	130.9	153.6	176.2	181.9	326.2	518.5	614.7	719.4	928.8
110°	188.5	168.0	147.6	168.0	188.5	193.6	323.7	497.1	583.9	700.9	934.9



TEST NUMBER: P934782

CATALOG NUMBER: SQ4-FA-075U-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°	202.9	183.5	163.9	183.5	202.9	207.8	323.8	478.5	555.8	675.6	915.1
115°	224.6	206.6	188.6	206.6	224.6	229.1	326.8	457.0	522.1	637.5	868.3
117.5°	245.7	229.4	213.0	229.4	245.7	249.8	332.9	443.5	498.9	603.1	811.3
120°	258.0	242.6	227.3	242.6	258.0	261.8	337.7	439.0	489.6	584.9	775.2
122.5°	272.1	256.7	241.1	256.7	272.1	276.0	344.8	436.6	482.6	568.2	739.6
125°	290.7	276.6	262.4	276.6	290.7	294.2	354.5	434.8	474.9	547.7	693.3
127.5°	308.3	294.0	279.8	294.0	308.3	311.8	364.0	433.7	468.4	531.0	656.0
130°	319.7	304.4	289.0	304.4	319.7	323.6	371.0	434.3	465.9	521.6	632.9
132.5°	329.3	313.9	298.6	313.9	329.3	333.2	376.7	434.8	463.7	513.5	613.2
135°	340.7	326.7	312.7	326.7	340.7	344.2	382.9	434.4	460.1	501.8	585.2
137.5°	355.0	341.1	327.3	341.1	355.0	358.5	392.1	437.0	459.5	494.7	565.2
140°	364.8	352.1	339.3	352.1	364.8	368.0	397.8	437.4	457.3	487.7	548.6
142.5°	372.1	360.4	348.6	360.4	372.1	375.1	402.5	439.0	457.3	484.1	537.5
145°	383.4	373.1	362.7	373.1	383.4	386.0	408.7	439.0	454.2	476.1	519.8
147.5°	397.0	386.9	377.0	386.9	397.0	399.5	417.7	442.0	454.2	471.4	505.9
150°	404.4	395.3	386.2	395.3	404.4	406.7	422.5	443.6	454.2	468.7	497.8
152.5°	409.6	402.7	395.8	402.7	409.6	411.2	425.6	444.6	454.2	466.6	491.4
155°	420.1	415.1	410.1	415.1	420.1	421.4	432.4	446.9	454.2	464.0	483.8
157.5°	430.5	425.5	420.5	425.5	430.5	431.7	439.1	449.2	454.2	461.8	477.2
160°	435.3	431.5	427.6	431.5	435.3	436.2	442.2	450.2	454.2	460.7	474.0
162.5°	440.5	437.6	434.8	437.6	440.5	441.2	445.5	451.3	454.2	459.8	470.8
165°	447.6	445.0	442.4	445.0	447.6	448.3	450.3	452.9	454.2	458.2	466.1
167.5°	452.0	450.7	449.5	450.7	452.0	452.3	454.0	456.2	457.3	459.9	465.1
170°	456.7	455.4	454.2	455.4	456.7	457.0	457.1	457.2	457.3	459.9	465.1
172.5°	457.2	457.0	456.7	457.0	457.2	457.3	457.3	457.3	457.3	459.4	463.4
175°	460.1	460.1	460.1	460.1	460.1	460.1	459.2	457.9	457.3	458.6	461.1
177.5°	460.1	460.1	460.1	460.1	460.1	460.1	459.4	458.4	457.9	458.9	460.9
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1



TEST NUMBER: P934782

CATALOG NUMBER: SQ4-FA-075U-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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	15.6	20.9	23.5	20.2
92.5°	58.7	56.4	47.0	37.6	47.0	56.4	58.7	83.2	115.8	132.2	116.0
95°	199.1	192.0	163.8	135.6	163.8	192.0	199.1	261.4	344.6	386.2	326.2
97.5°	459.8	446.3	392.5	338.7	392.5	446.3	459.8	499.2	551.7	578.0	477.9
100°	645.6	629.6	565.5	501.4	565.5	629.6	645.6	642.7	638.8	636.9	525.9
102.5°	804.3	790.5	735.6	680.8	735.6	790.5	804.3	754.1	687.1	653.7	541.0
105°	989.5	982.2	952.7	923.2	952.7	982.2	989.5	877.0	726.9	651.8	542.7
107.5°	1085.8	1087.6	1094.8	1102.0	1094.8	1087.6	1085.8	928.8	719.4	614.7	518.5
110°	1110.5	1118.2	1149.0	1179.8	1149.0	1118.2	1110.5	934.9	700.9	583.9	497.1



TEST NUMBER: P934782

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1094.8	1106.7	1153.9	1201.1	1153.9	1106.7	1094.8	915.1	675.6	555.8	478.5
115°	1041.4	1057.8	1123.3	1188.7	1123.3	1057.8	1041.4	868.3	637.5	522.1	457.0
117.5°	967.6	985.7	1058.3	1131.0	1058.3	985.7	967.6	811.3	603.1	498.9	443.5
120°	917.9	935.5	1006.1	1076.6	1006.1	935.5	917.9	775.2	584.9	489.6	439.0
122.5°	868.2	885.6	955.2	1024.8	955.2	885.6	868.2	739.6	568.2	482.6	436.6
125°	802.5	818.5	882.6	946.6	882.6	818.5	802.5	693.3	547.7	474.9	434.8
127.5°	749.7	763.2	817.2	871.3	817.2	763.2	749.7	656.0	531.0	468.4	433.7
130°	716.3	728.8	778.8	828.7	778.8	728.8	716.3	632.9	521.6	465.9	434.3
132.5°	687.9	699.1	743.8	788.5	743.8	699.1	687.9	613.2	513.5	463.7	434.8
135°	647.8	657.5	696.0	734.6	696.0	657.5	647.8	585.2	501.8	460.1	434.4
137.5°	618.1	626.0	657.6	689.1	657.6	626.0	618.1	565.2	494.7	459.5	437.0
140°	594.3	601.7	631.3	660.7	631.3	601.7	594.3	548.6	487.7	457.3	437.4
142.5°	577.7	584.1	609.4	634.8	609.4	584.1	577.7	537.5	484.1	457.3	439.0
145°	552.7	557.5	576.7	595.9	576.7	557.5	552.7	519.8	476.1	454.2	439.0
147.5°	531.7	535.6	551.6	567.5	551.6	535.6	531.7	505.9	471.4	454.2	442.0
150°	519.6	522.8	535.7	548.7	535.7	522.8	519.6	497.8	468.7	454.2	443.6
152.5°	510.1	512.4	522.2	532.0	522.2	512.4	510.1	491.4	466.6	454.2	444.6
155°	498.6	500.2	506.7	513.1	506.7	500.2	498.6	483.8	464.0	454.2	446.9
157.5°	488.7	489.8	494.4	498.9	494.4	489.8	488.7	477.2	461.8	454.2	449.2
160°	483.9	484.5	487.0	489.6	487.0	484.5	483.9	474.0	460.7	454.2	450.2
162.5°	479.2	479.8	482.3	484.8	482.3	479.8	479.2	470.8	459.8	454.2	451.3
165°	472.1	472.8	475.4	478.0	475.4	472.8	472.1	466.1	458.2	454.2	452.9
167.5°	469.0	469.3	470.4	471.5	470.4	469.3	469.0	465.1	459.9	457.3	456.2
170°	469.0	469.0	469.0	469.0	469.0	469.0	469.0	465.1	459.9	457.3	457.2
172.5°	466.5	466.3	465.3	464.3	465.3	466.3	466.5	463.4	459.4	457.3	457.3
175°	463.1	463.1	463.1	463.1	463.1	463.1	463.1	461.1	458.6	457.3	457.9
177.5°	462.5	462.2	461.1	460.1	461.1	462.2	462.5	460.9	458.9	457.9	458.4
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1



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

**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°	13.6	8.7	8.1	5.6	3.1
92.5°	83.8	59.6	54.3	33.4	12.4
95°	206.2	116.1	106.6	68.1	29.7
97.5°	277.7	127.5	119.0	85.2	51.3
100°	303.7	137.0	129.4	98.6	67.9
102.5°	315.6	146.6	139.4	110.9	82.2
105°	324.5	160.9	154.8	130.5	106.2
107.5°	326.2	181.9	176.2	153.6	130.9
110°	323.7	193.6	188.5	168.0	147.6



TEST NUMBER: P934782

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

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	323.8	207.8	202.9	183.5	163.9
115°	326.8	229.1	224.6	206.6	188.6
117.5°	332.9	249.8	245.7	229.4	213.0
120°	337.7	261.8	258.0	242.6	227.3
122.5°	344.8	276.0	272.1	256.7	241.1
125°	354.5	294.2	290.7	276.6	262.4
127.5°	364.0	311.8	308.3	294.0	279.8
130°	371.0	323.6	319.7	304.4	289.0
132.5°	376.7	333.2	329.3	313.9	298.6
135°	382.9	344.2	340.7	326.7	312.7
137.5°	392.1	358.5	355.0	341.1	327.3
140°	397.8	368.0	364.8	352.1	339.3
142.5°	402.5	375.1	372.1	360.4	348.6
145°	408.7	386.0	383.4	373.1	362.7
147.5°	417.7	399.5	397.0	386.9	377.0
150°	422.5	406.7	404.4	395.3	386.2
152.5°	425.6	411.2	409.6	402.7	395.8
155°	432.4	421.4	420.1	415.1	410.1
157.5°	439.1	431.7	430.5	425.5	420.5
160°	442.2	436.2	435.3	431.5	427.6
162.5°	445.5	441.2	440.5	437.6	434.8
165°	450.3	448.3	447.6	445.0	442.4
167.5°	454.0	452.3	452.0	450.7	449.5
170°	457.1	457.0	456.7	455.4	454.2
172.5°	457.3	457.3	457.2	457.0	456.7
175°	459.2	460.1	460.1	460.1	460.1
177.5°	459.4	460.1	460.1	460.1	460.1
180°	460.1	460.1	460.1	460.1	460.1



TEST NUMBER: P934782  
 CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-2700K

**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	12.51	13.35	13.48	14.34	15.64	15.30	16.15	16.28	17.14	18.44
	3H	12.98	13.74	13.97	14.73	16.06	16.64	17.39	17.62	18.39	19.71
	4H	13.17	13.89	14.17	14.89	16.22	17.07	17.79	18.07	18.79	20.12
	6H	13.29	13.95	14.30	14.95	16.30	17.35	18.01	18.36	19.01	20.36
	8H	13.29	13.92	14.31	14.94	16.28	17.42	18.05	18.44	19.07	20.41
	12H	13.26	13.86	14.28	14.87	16.24	17.45	18.05	18.48	19.07	20.43
4H	2H	13.53	14.24	14.54	15.25	16.58	15.71	16.43	16.72	17.43	18.76
	3H	14.55	15.15	15.57	16.18	17.52	17.21	17.80	18.22	18.83	20.18
	4H	14.83	15.37	15.85	16.40	17.76	17.73	18.27	18.75	19.29	20.66
	6H	14.95	15.42	15.99	16.47	17.83	18.08	18.55	19.12	19.60	20.96
	8H	14.96	15.40	15.99	16.44	17.82	18.18	18.62	19.22	19.66	21.04
	12H	14.92	15.32	15.98	16.37	17.76	18.24	18.63	19.29	19.68	21.07
8H	4H	15.28	15.71	16.31	16.75	18.13	17.85	18.29	18.89	19.33	20.71
	6H	15.54	15.90	16.60	16.98	18.36	18.28	18.64	19.34	19.72	21.10
	8H	15.58	15.90	16.65	16.96	18.36	18.42	18.74	19.49	19.81	21.21
	12H	15.56	15.84	16.63	16.90	18.34	18.52	18.80	19.59	19.86	21.30
12H	4H	15.28	15.68	16.33	16.73	18.11	17.81	18.21	18.87	19.26	20.65
	6H	15.60	15.91	16.66	16.98	18.38	18.28	18.59	19.34	19.66	21.06
	8H	15.66	15.94	16.73	17.00	18.44	18.43	18.71	19.50	19.77	21.21