

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: P935982

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935982
REPORT IS A COMBINATION OF REPORTS P933774 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

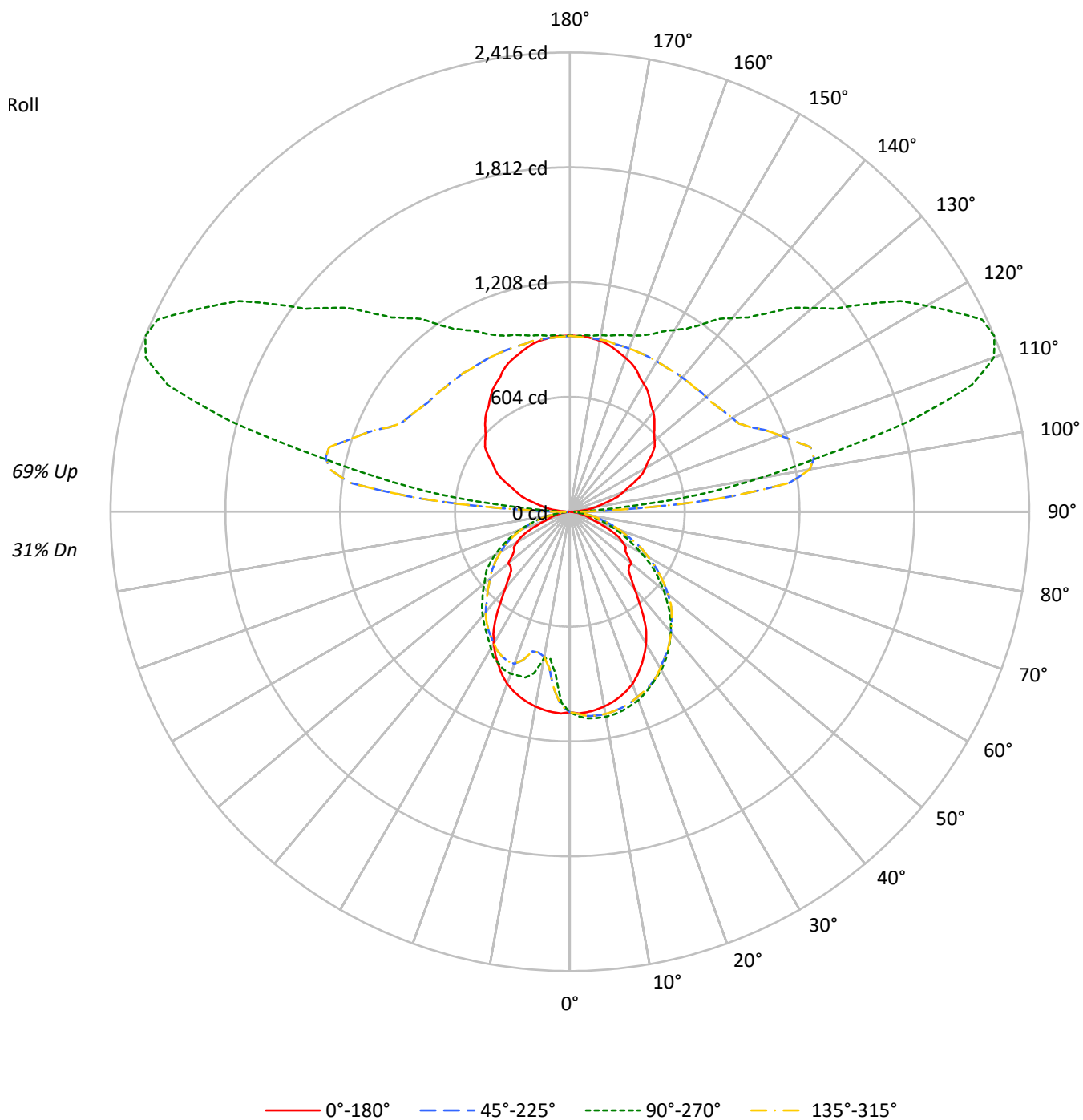
Lumens per Lamp: N/A
Luminaire Lumens: 8733.9 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 63.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935982

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P935982

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10

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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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	1.1
10°-20°	269.9	3.1
20°-30°	417.1	4.8
30°-40°	498.0	5.7
40°-50°	500.9	5.7
50°-60°	435.9	5.0
60°-70°	309.0	3.5
70°-80°	163.5	1.9
80°-90°	44.2	0.5
90°-100°	451.2	5.2
100°-110°	1186.2	13.6
110°-120°	1230.0	14.1
120°-130°	986.6	11.3
130°-140°	774.1	8.9
140°-150°	594.2	6.8
150°-160°	427.9	4.9
160°-170°	261.8	3.0
170°-180°	88.5	1.0
0°-30°	782.0	9.0
0°-40°	1280.0	14.7
0°-60°	2216.8	25.4
0°-90°	2733.5	31.3
90°-120°	2867.4	32.8
90°-150°	5222.2	59.8
90°-180°	6000.0	68.7
0°-180°	8733.9	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°	6	24	6	24	6	6
95°	60	273	60	273	60	66
105°	214	1857	214	1857	214	227
115°	380	2392	380	2392	380	375
125°	528	1905	528	1905	528	469
135°	629	1478	629	1478	629	487
145°	730	1199	730	1199	730	457
155°	825	1032	825	1032	825	379
165°	890	962	890	962	890	251
175°	926	932	926	932	926	88
180°	926	926	926	926	926	

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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°	6.2	11.2	16.1	17.4	27.4	40.6	47.2	41.9	31.5	23.6	23.6
92.5°	24.8	67.0	109.4	119.9	168.5	233.4	265.8	233.0	167.3	118.0	113.3
95°	59.7	137.0	214.2	233.6	414.7	656.4	777.2	693.5	526.2	400.7	386.4
97.5°	103.1	171.3	239.5	256.6	558.7	961.5	1162.9	1110.0	1004.3	925.0	897.9
100°	136.7	198.5	260.4	275.8	611.0	1058.1	1281.6	1285.4	1293.2	1299.0	1266.7
102.5°	165.2	223.0	280.7	295.1	635.1	1088.4	1315.1	1382.4	1517.2	1618.3	1590.7
105°	213.7	262.6	311.4	323.7	652.9	1091.8	1311.3	1462.3	1764.4	1991.0	1976.2
107.5°	263.4	309.0	354.6	365.9	656.3	1043.3	1236.8	1447.5	1868.8	2184.8	2188.4
110°	296.9	338.0	379.3	389.5	651.3	1000.2	1174.7	1410.2	1881.2	2234.5	2250.0

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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	329.9	369.1	408.4	418.1	651.5	962.6	1118.2	1359.2	1841.3	2202.9	2226.6
115°	379.6	415.7	451.9	460.9	657.5	919.5	1050.5	1282.6	1747.1	2095.4	2128.4
117.5°	428.7	461.5	494.4	502.6	669.7	892.5	1003.9	1213.4	1632.5	1946.9	1983.4
120°	457.2	488.1	519.0	526.8	679.6	883.4	985.2	1176.7	1559.6	1846.9	1882.3
122.5°	485.2	516.3	547.6	555.4	693.9	878.7	971.0	1143.4	1488.2	1746.9	1781.8
125°	528.1	556.5	585.0	592.0	713.1	874.7	955.5	1101.9	1394.8	1614.5	1646.8
127.5°	562.8	591.5	620.2	627.4	732.4	872.4	942.4	1068.2	1319.7	1508.3	1535.5
130°	581.5	612.3	643.2	651.0	746.5	873.8	937.4	1049.4	1273.3	1441.2	1466.3
132.5°	600.7	631.7	662.5	670.3	757.9	874.7	933.1	1033.3	1233.7	1384.0	1406.6
135°	629.3	657.5	685.5	692.6	770.3	873.8	925.6	1009.5	1177.4	1303.3	1322.7
137.5°	658.5	686.3	714.2	721.2	788.9	879.3	924.4	995.3	1137.2	1243.7	1259.5
140°	682.8	708.5	734.2	740.5	800.4	880.2	920.0	981.3	1103.9	1195.8	1210.6
142.5°	701.4	725.1	748.8	754.8	809.8	883.3	920.0	973.9	1081.6	1162.3	1175.1
145°	730.0	750.7	771.3	776.5	822.3	883.4	913.8	957.9	1045.9	1111.9	1121.6
147.5°	758.5	778.7	798.8	803.9	840.5	889.4	913.8	948.5	1017.7	1069.7	1077.7
150°	777.2	795.4	813.5	818.1	850.0	892.5	913.8	943.1	1001.6	1045.5	1052.0
152.5°	796.4	810.2	824.0	827.5	856.3	894.6	913.8	938.8	988.8	1026.3	1031.2
155°	825.0	835.2	845.4	848.0	869.9	899.2	913.8	933.8	973.5	1003.3	1006.6
157.5°	846.1	856.1	865.9	868.4	883.6	903.8	913.8	929.3	960.1	983.4	985.6
160°	860.3	868.1	875.9	877.8	889.8	905.9	913.8	927.1	953.6	973.4	974.7
162.5°	874.7	880.5	886.2	887.7	896.4	908.1	913.8	925.0	947.4	964.1	965.3
165°	890.2	895.4	900.7	902.0	906.0	911.2	913.8	921.8	937.8	949.8	951.1
167.5°	904.5	907.0	909.4	910.0	913.3	917.8	920.0	925.3	935.7	943.6	944.2
170°	913.8	916.3	918.8	919.4	919.6	919.9	920.0	925.3	935.7	943.6	943.6
172.5°	918.8	919.3	919.9	920.0	920.0	920.0	920.0	924.2	932.5	938.6	938.1
175°	925.6	925.6	925.6	925.6	923.7	921.2	920.0	922.6	927.9	931.9	931.9
177.5°	925.6	925.6	925.6	925.6	924.2	922.3	921.3	923.4	927.5	930.6	930.0
180°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6

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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°	23.6	23.6	23.6	23.6	23.6	31.5	41.9	47.2	40.6	27.4	17.4
92.5°	94.5	75.8	94.5	113.3	118.0	167.3	233.0	265.8	233.4	168.5	119.9
95°	329.6	272.7	329.6	386.4	400.7	526.2	693.5	777.2	656.4	414.7	233.6
97.5°	789.7	681.5	789.7	897.9	925.0	1004.3	1110.0	1162.9	961.5	558.7	256.6
100°	1137.8	1008.8	1137.8	1266.7	1299.0	1293.2	1285.4	1281.6	1058.1	611.0	275.8
102.5°	1480.3	1369.8	1480.3	1590.7	1618.3	1517.2	1382.4	1315.1	1088.4	635.1	295.1
105°	1916.8	1857.4	1916.8	1976.2	1991.0	1764.4	1462.3	1311.3	1091.8	652.9	323.7
107.5°	2202.8	2217.1	2202.8	2188.4	2184.8	1868.8	1447.5	1236.8	1043.3	656.3	365.9
110°	2311.8	2373.7	2311.8	2250.0	2234.5	1881.2	1410.2	1174.7	1000.2	651.3	389.5

TEST NUMBER: P935982

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2321.6	2416.5	2321.6	2226.6	2202.9	1841.3	1359.2	1118.2	962.6	651.5	418.1
115°	2260.0	2391.7	2260.0	2128.4	2095.4	1747.1	1282.6	1050.5	919.5	657.5	460.9
117.5°	2129.4	2275.5	2129.4	1983.4	1946.9	1632.5	1213.4	1003.9	892.5	669.7	502.6
120°	2024.3	2166.2	2024.3	1882.3	1846.9	1559.6	1176.7	985.2	883.4	679.6	526.8
122.5°	1921.9	2061.8	1921.9	1781.8	1746.9	1488.2	1143.4	971.0	878.7	693.9	555.4
125°	1775.7	1904.7	1775.7	1646.8	1614.5	1394.8	1101.9	955.5	874.7	713.1	592.0
127.5°	1644.3	1753.1	1644.3	1535.5	1508.3	1319.7	1068.2	942.4	872.4	732.4	627.4
130°	1566.8	1667.3	1566.8	1466.3	1441.2	1273.3	1049.4	937.4	873.8	746.5	651.0
132.5°	1496.5	1586.5	1496.5	1406.6	1384.0	1233.7	1033.3	933.1	874.7	757.9	670.3
135°	1400.3	1477.9	1400.3	1322.7	1303.3	1177.4	1009.5	925.6	873.8	770.3	692.6
137.5°	1323.1	1386.5	1323.1	1259.5	1243.7	1137.2	995.3	924.4	879.3	788.9	721.2
140°	1270.0	1329.4	1270.0	1210.6	1195.8	1103.9	981.3	920.0	880.2	800.4	740.5
142.5°	1226.2	1277.2	1226.2	1175.1	1162.3	1081.6	973.9	920.0	883.3	809.8	754.8
145°	1160.3	1199.0	1160.3	1121.6	1111.9	1045.9	957.9	913.8	883.4	822.3	776.5
147.5°	1109.7	1141.8	1109.7	1077.7	1069.7	1017.7	948.5	913.8	889.4	840.5	803.9
150°	1078.0	1103.9	1078.0	1052.0	1045.5	1001.6	943.1	913.8	892.5	850.0	818.1
152.5°	1050.8	1070.3	1050.8	1031.2	1026.3	988.8	938.8	913.8	894.6	856.3	827.5
155°	1019.5	1032.5	1019.5	1006.6	1003.3	973.5	933.8	913.8	899.2	869.9	848.0
157.5°	994.7	1003.9	994.7	985.6	983.4	960.1	929.3	913.8	903.8	883.6	868.4
160°	980.0	985.2	980.0	974.7	973.4	953.6	927.1	913.8	905.9	889.8	877.8
162.5°	970.3	975.3	970.3	965.3	964.1	947.4	925.0	913.8	908.1	896.4	887.7
165°	956.4	961.6	956.4	951.1	949.8	937.8	921.8	913.8	911.2	906.0	902.0
167.5°	946.4	948.6	946.4	944.2	943.6	935.7	925.3	920.0	917.8	913.3	910.0
170°	943.6	943.6	943.6	943.6	943.6	935.7	925.3	920.0	919.9	919.6	919.4
172.5°	936.2	934.3	936.2	938.1	938.6	932.5	924.2	920.0	920.0	920.0	920.0
175°	931.9	931.9	931.9	931.9	931.9	927.9	922.6	920.0	921.2	923.7	925.6
177.5°	927.8	925.6	927.8	930.0	930.6	927.5	923.4	921.3	922.3	924.2	925.6
180°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6

TEST NUMBER: P935982

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-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°	16.1	11.2	6.2	11.2	16.1	17.4	27.4	40.6	47.2	41.9	31.5
92.5°	109.4	67.0	24.8	67.0	109.4	119.9	168.5	233.4	265.8	233.0	167.3
95°	214.2	137.0	59.7	137.0	214.2	233.6	414.7	656.4	777.2	693.5	526.2
97.5°	239.5	171.3	103.1	171.3	239.5	256.6	558.7	961.5	1162.9	1110.0	1004.3
100°	260.4	198.5	136.7	198.5	260.4	275.8	611.0	1058.1	1281.6	1285.4	1293.2
102.5°	280.7	223.0	165.2	223.0	280.7	295.1	635.1	1088.4	1315.1	1382.4	1517.2
105°	311.4	262.6	213.7	262.6	311.4	323.7	652.9	1091.8	1311.3	1462.3	1764.4
107.5°	354.6	309.0	263.4	309.0	354.6	365.9	656.3	1043.3	1236.8	1447.5	1868.8
110°	379.3	338.0	296.9	338.0	379.3	389.5	651.3	1000.2	1174.7	1410.2	1881.2

TEST NUMBER: P935982

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	408.4	369.1	329.9	369.1	408.4	418.1	651.5	962.6	1118.2	1359.2	1841.3
115°	451.9	415.7	379.6	415.7	451.9	460.9	657.5	919.5	1050.5	1282.6	1747.1
117.5°	494.4	461.5	428.7	461.5	494.4	502.6	669.7	892.5	1003.9	1213.4	1632.5
120°	519.0	488.1	457.2	488.1	519.0	526.8	679.6	883.4	985.2	1176.7	1559.6
122.5°	547.6	516.3	485.2	516.3	547.6	555.4	693.9	878.7	971.0	1143.4	1488.2
125°	585.0	556.5	528.1	556.5	585.0	592.0	713.1	874.7	955.5	1101.9	1394.8
127.5°	620.2	591.5	562.8	591.5	620.2	627.4	732.4	872.4	942.4	1068.2	1319.7
130°	643.2	612.3	581.5	612.3	643.2	651.0	746.5	873.8	937.4	1049.4	1273.3
132.5°	662.5	631.7	600.7	631.7	662.5	670.3	757.9	874.7	933.1	1033.3	1233.7
135°	685.5	657.5	629.3	657.5	685.5	692.6	770.3	873.8	925.6	1009.5	1177.4
137.5°	714.2	686.3	658.5	686.3	714.2	721.2	788.9	879.3	924.4	995.3	1137.2
140°	734.2	708.5	682.8	708.5	734.2	740.5	800.4	880.2	920.0	981.3	1103.9
142.5°	748.8	725.1	701.4	725.1	748.8	754.8	809.8	883.3	920.0	973.9	1081.6
145°	771.3	750.7	730.0	750.7	771.3	776.5	822.3	883.4	913.8	957.9	1045.9
147.5°	798.8	778.7	758.5	778.7	798.8	803.9	840.5	889.4	913.8	948.5	1017.7
150°	813.5	795.4	777.2	795.4	813.5	818.1	850.0	892.5	913.8	943.1	1001.6
152.5°	824.0	810.2	796.4	810.2	824.0	827.5	856.3	894.6	913.8	938.8	988.8
155°	845.4	835.2	825.0	835.2	845.4	848.0	869.9	899.2	913.8	933.8	973.5
157.5°	865.9	856.1	846.1	856.1	865.9	868.4	883.6	903.8	913.8	929.3	960.1
160°	875.9	868.1	860.3	868.1	875.9	877.8	889.8	905.9	913.8	927.1	953.6
162.5°	886.2	880.5	874.7	880.5	886.2	887.7	896.4	908.1	913.8	925.0	947.4
165°	900.7	895.4	890.2	895.4	900.7	902.0	906.0	911.2	913.8	921.8	937.8
167.5°	909.4	907.0	904.5	907.0	909.4	910.0	913.3	917.8	920.0	925.3	935.7
170°	918.8	916.3	913.8	916.3	918.8	919.4	919.6	919.9	920.0	925.3	935.7
172.5°	919.9	919.3	918.8	919.3	919.9	920.0	920.0	920.0	920.0	924.2	932.5
175°	925.6	925.6	925.6	925.6	925.6	925.6	923.7	921.2	920.0	922.6	927.9
177.5°	925.6	925.6	925.6	925.6	925.6	925.6	924.2	922.3	921.3	923.4	927.5
180°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6

TEST NUMBER: P935982

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-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°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	31.5	41.9	47.2	40.6
92.5°	118.0	113.3	94.5	75.8	94.5	113.3	118.0	167.3	233.0	265.8	233.4
95°	400.7	386.4	329.6	272.7	329.6	386.4	400.7	526.2	693.5	777.2	656.4
97.5°	925.0	897.9	789.7	681.5	789.7	897.9	925.0	1004.3	1110.0	1162.9	961.5
100°	1299.0	1266.7	1137.8	1008.8	1137.8	1266.7	1299.0	1293.2	1285.4	1281.6	1058.1
102.5°	1618.3	1590.7	1480.3	1369.8	1480.3	1590.7	1618.3	1517.2	1382.4	1315.1	1088.4
105°	1991.0	1976.2	1916.8	1857.4	1916.8	1976.2	1991.0	1764.4	1462.3	1311.3	1091.8
107.5°	2184.8	2188.4	2202.8	2217.1	2202.8	2188.4	2184.8	1868.8	1447.5	1236.8	1043.3
110°	2234.5	2250.0	2311.8	2373.7	2311.8	2250.0	2234.5	1881.2	1410.2	1174.7	1000.2

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2202.9	2226.6	2321.6	2416.5	2321.6	2226.6	2202.9	1841.3	1359.2	1118.2	962.6
115°	2095.4	2128.4	2260.0	2391.7	2260.0	2128.4	2095.4	1747.1	1282.6	1050.5	919.5
117.5°	1946.9	1983.4	2129.4	2275.5	2129.4	1983.4	1946.9	1632.5	1213.4	1003.9	892.5
120°	1846.9	1882.3	2024.3	2166.2	2024.3	1882.3	1846.9	1559.6	1176.7	985.2	883.4
122.5°	1746.9	1781.8	1921.9	2061.8	1921.9	1781.8	1746.9	1488.2	1143.4	971.0	878.7
125°	1614.5	1646.8	1775.7	1904.7	1775.7	1646.8	1614.5	1394.8	1101.9	955.5	874.7
127.5°	1508.3	1535.5	1644.3	1753.1	1644.3	1535.5	1508.3	1319.7	1068.2	942.4	872.4
130°	1441.2	1466.3	1566.8	1667.3	1566.8	1466.3	1441.2	1273.3	1049.4	937.4	873.8
132.5°	1384.0	1406.6	1496.5	1586.5	1496.5	1406.6	1384.0	1233.7	1033.3	933.1	874.7
135°	1303.3	1322.7	1400.3	1477.9	1400.3	1322.7	1303.3	1177.4	1009.5	925.6	873.8
137.5°	1243.7	1259.5	1323.1	1386.5	1323.1	1259.5	1243.7	1137.2	995.3	924.4	879.3
140°	1195.8	1210.6	1270.0	1329.4	1270.0	1210.6	1195.8	1103.9	981.3	920.0	880.2
142.5°	1162.3	1175.1	1226.2	1277.2	1226.2	1175.1	1162.3	1081.6	973.9	920.0	883.3
145°	1111.9	1121.6	1160.3	1199.0	1160.3	1121.6	1111.9	1045.9	957.9	913.8	883.4
147.5°	1069.7	1077.7	1109.7	1141.8	1109.7	1077.7	1069.7	1017.7	948.5	913.8	889.4
150°	1045.5	1052.0	1078.0	1103.9	1078.0	1052.0	1045.5	1001.6	943.1	913.8	892.5
152.5°	1026.3	1031.2	1050.8	1070.3	1050.8	1031.2	1026.3	988.8	938.8	913.8	894.6
155°	1003.3	1006.6	1019.5	1032.5	1019.5	1006.6	1003.3	973.5	933.8	913.8	899.2
157.5°	983.4	985.6	994.7	1003.9	994.7	985.6	983.4	960.1	929.3	913.8	903.8
160°	973.4	974.7	980.0	985.2	980.0	974.7	973.4	953.6	927.1	913.8	905.9
162.5°	964.1	965.3	970.3	975.3	970.3	965.3	964.1	947.4	925.0	913.8	908.1
165°	949.8	951.1	956.4	961.6	956.4	951.1	949.8	937.8	921.8	913.8	911.2
167.5°	943.6	944.2	946.4	948.6	946.4	944.2	943.6	935.7	925.3	920.0	917.8
170°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	935.7	925.3	920.0	919.9
172.5°	938.6	938.1	936.2	934.3	936.2	938.1	938.6	932.5	924.2	920.0	920.0
175°	931.9	931.9	931.9	931.9	931.9	931.9	931.9	927.9	922.6	920.0	921.2
177.5°	930.6	930.0	927.8	925.6	927.8	930.0	930.6	927.5	923.4	921.3	922.3
180°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6

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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°	27.4	17.4	16.1	11.2	6.2
92.5°	168.5	119.9	109.4	67.0	24.8
95°	414.7	233.6	214.2	137.0	59.7
97.5°	558.7	256.6	239.5	171.3	103.1
100°	611.0	275.8	260.4	198.5	136.7
102.5°	635.1	295.1	280.7	223.0	165.2
105°	652.9	323.7	311.4	262.6	213.7
107.5°	656.3	365.9	354.6	309.0	263.4
110°	651.3	389.5	379.3	338.0	296.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	651.5	418.1	408.4	369.1	329.9
115°	657.5	460.9	451.9	415.7	379.6
117.5°	669.7	502.6	494.4	461.5	428.7
120°	679.6	526.8	519.0	488.1	457.2
122.5°	693.9	555.4	547.6	516.3	485.2
125°	713.1	592.0	585.0	556.5	528.1
127.5°	732.4	627.4	620.2	591.5	562.8
130°	746.5	651.0	643.2	612.3	581.5
132.5°	757.9	670.3	662.5	631.7	600.7
135°	770.3	692.6	685.5	657.5	629.3
137.5°	788.9	721.2	714.2	686.3	658.5
140°	800.4	740.5	734.2	708.5	682.8
142.5°	809.8	754.8	748.8	725.1	701.4
145°	822.3	776.5	771.3	750.7	730.0
147.5°	840.5	803.9	798.8	778.7	758.5
150°	850.0	818.1	813.5	795.4	777.2
152.5°	856.3	827.5	824.0	810.2	796.4
155°	869.9	848.0	845.4	835.2	825.0
157.5°	883.6	868.4	865.9	856.1	846.1
160°	889.8	877.8	875.9	868.1	860.3
162.5°	896.4	887.7	886.2	880.5	874.7
165°	906.0	902.0	900.7	895.4	890.2
167.5°	913.3	910.0	909.4	907.0	904.5
170°	919.6	919.4	918.8	916.3	913.8
172.5°	920.0	920.0	919.9	919.3	918.8
175°	923.7	925.6	925.6	925.6	925.6
177.5°	924.2	925.6	925.6	925.6	925.6
180°	925.6	925.6	925.6	925.6	925.6

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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-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	10.67	11.39	11.78	12.49	14.00	13.47	14.19	14.57	15.28	16.80
	3H	11.14	11.78	12.25	12.89	14.42	14.79	15.43	15.91	16.54	18.07
	4H	11.32	11.93	12.44	13.04	14.58	15.23	15.83	16.35	16.94	18.48
	6H	11.43	11.99	12.56	13.10	14.65	15.49	16.05	16.62	17.16	18.71
	8H	11.43	11.96	12.56	13.09	14.63	15.56	16.09	16.69	17.22	18.76
	12H	11.40	11.90	12.54	13.02	14.59	15.59	16.09	16.73	17.22	18.78
4H	2H	11.68	12.29	12.81	13.40	14.93	13.86	14.47	14.99	15.58	17.12
	3H	12.69	13.20	13.83	14.33	15.88	15.35	15.85	16.48	16.99	18.54
	4H	12.96	13.43	14.10	14.55	16.12	15.86	16.33	17.00	17.45	19.02
	6H	13.08	13.48	14.22	14.63	16.19	16.21	16.61	17.35	17.75	19.32
	8H	13.08	13.45	14.23	14.59	16.17	16.31	16.68	17.45	17.82	19.40
	12H	13.04	13.38	14.20	14.53	16.11	16.35	16.69	17.51	17.84	19.42
8H	4H	13.40	13.77	14.54	14.91	16.49	15.97	16.35	17.12	17.48	19.06
	6H	13.65	13.96	14.82	15.14	16.72	16.40	16.70	17.56	17.88	19.46
	8H	13.70	13.96	14.87	15.12	16.72	16.54	16.81	17.71	17.97	19.56
	12H	13.67	13.91	14.85	15.07	16.69	16.63	16.86	17.80	18.02	19.65
12H	4H	13.40	13.73	14.56	14.88	16.47	15.93	16.27	17.09	17.42	19.00
	6H	13.71	13.98	14.88	15.14	16.74	16.39	16.66	17.56	17.82	19.42
	8H	13.77	14.01	14.95	15.16	16.79	16.54	16.78	17.72	17.93	19.56

END OF REPORT