

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: P934287

Luminaire Tested: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934287
REPORT IS A COMBINATION OF REPORTS P933691 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

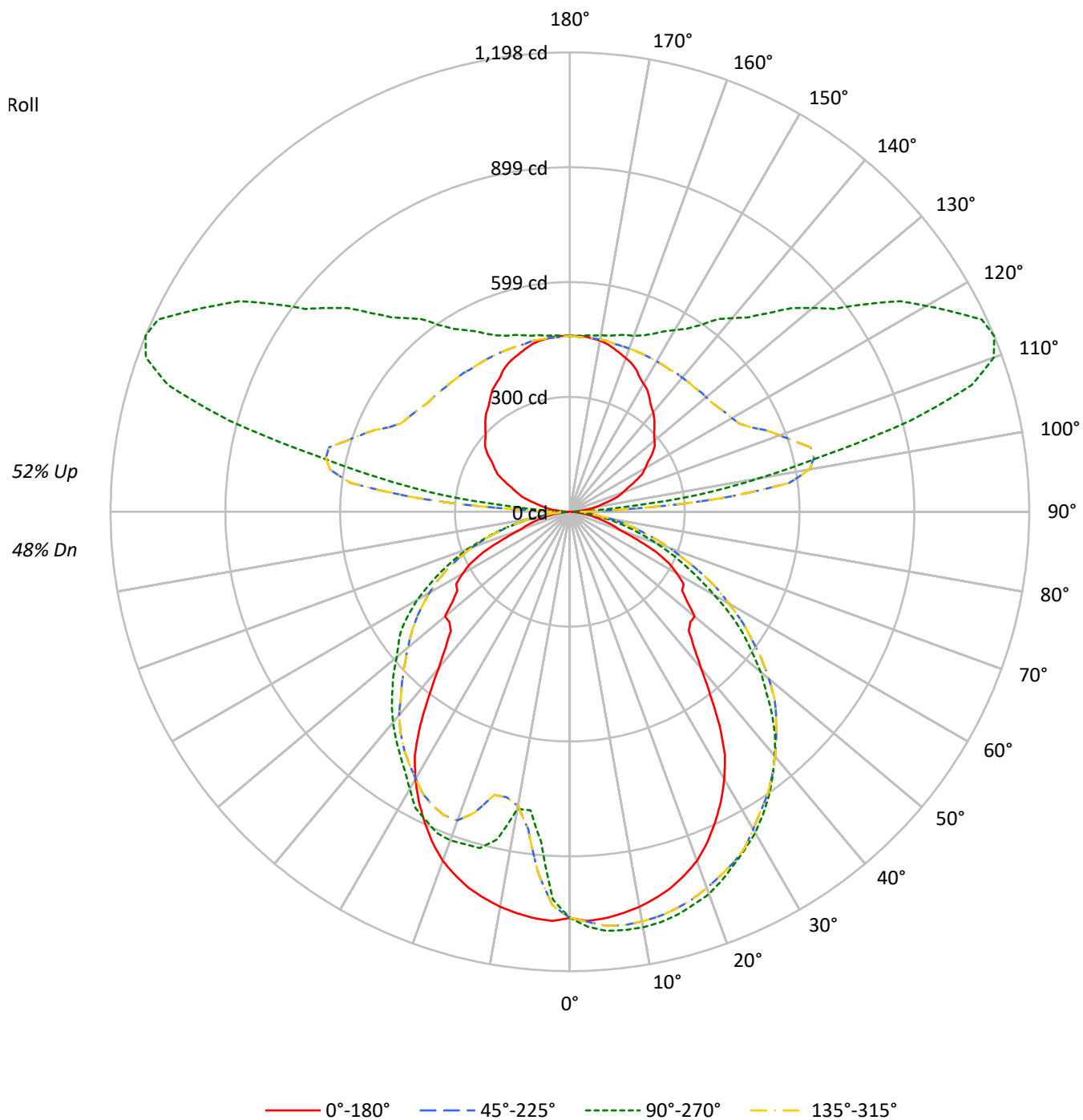
Lumens per Lamp: N/A
Luminaire Lumens: 5722.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 42.6
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: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6551	6551	6551	6551
5°	6598	6613	6598	5200
10°	6551	6515	6551	4657
15°	6478	6373	6478	5322
20°	6340	6206	6340	5333
25°	6060	5962	6060	5220
30°	5700	5760	5700	4972
35°	5079	5504	5079	4699
40°	4230	5203	4230	4493
45°	3776	4849	3776	4256
50°	4009	4429	4009	4018
55°	3768	3975	3768	3881
60°	3879	3376	3879	3555
65°	3512	2791	3512	3119
70°	2425	2223	2425	2615
75°	2120	1644	2120	1968
80°	1696	1086	1696	1184
85°	954	575	954	490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5792 cd/sqm

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	1.7
10°-20°	271.4	4.7
20°-30°	419.6	7.3
30°-40°	500.9	8.8
40°-50°	503.8	8.8
50°-60°	438.4	7.7
60°-70°	310.8	5.4
70°-80°	164.4	2.9
80°-90°	42.7	0.7
90°-100°	223.7	3.9
100°-110°	588.0	10.3
110°-120°	609.7	10.7
120°-130°	489.0	8.5
130°-140°	383.7	6.7
140°-150°	294.5	5.1
150°-160°	212.1	3.7
160°-170°	129.8	2.3
170°-180°	43.8	0.8
0°-30°	786.6	13.7
0°-40°	1287.5	22.5
0°-60°	2229.7	39.0
0°-90°	2747.7	48.0
90°-120°	1421.3	24.8
90°-150°	2588.6	45.2
90°-180°	2974.0	52.0
0°-180°	5722.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1059	1059	1059	1059	1059	
5°	1064	1097	1064	863	1064	101
15°	1016	1087	1016	908	1016	286
25°	895	1014	895	888	895	411
35°	680	905	680	772	680	421
45°	439	745	439	654	439	352
55°	358	550	358	537	358	329
65°	248	332	248	371	248	237
75°	94	157	94	188	94	99
85°	16	40	16	34	16	22
90°	3	12	3	12	3	3
95°	30	135	30	135	30	33
105°	106	921	106	921	106	112
115°	188	1186	188	1186	188	186
125°	262	944	262	944	262	232
135°	312	733	312	733	312	241
145°	362	594	362	594	362	227
155°	409	512	409	512	409	188
165°	441	477	441	477	441	125
175°	459	462	459	462	459	44
180°	459	459	459	459	459	

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1068.1	1068.1	1074.1	1076.1	1076.1	1073.1	1070.1	1073.1	1082.2	1085.1	1084.1
5°	1064.0	1072.1	1083.2	1085.1	1087.1	1086.1	1084.1	1086.1	1096.1	1098.2	1099.2
7.5°	1056.1	1071.1	1085.1	1088.1	1091.1	1088.1	1087.1	1089.1	1099.2	1101.2	1101.2
10°	1046.0	1067.1	1083.2	1085.1	1088.1	1085.1	1085.1	1089.1	1099.2	1101.2	1102.2
12.5°	1032.1	1061.0	1076.1	1078.1	1082.2	1081.2	1080.1	1084.1	1094.1	1096.1	1096.1
15°	1016.0	1050.1	1064.0	1066.1	1073.1	1071.1	1071.1	1075.1	1086.1	1089.1	1088.1
17.5°	993.9	1036.0	1052.1	1055.1	1060.0	1059.0	1060.0	1064.0	1074.1	1076.1	1077.1
20°	968.9	1017.0	1036.0	1039.0	1044.0	1044.0	1044.0	1049.1	1059.0	1063.0	1063.0
22.5°	934.8	996.9	1017.0	1019.0	1025.0	1025.0	1027.0	1034.0	1043.0	1044.0	1044.0
25°	894.7	974.9	991.9	998.0	1004.0	1007.0	1009.9	1014.0	1017.0	1016.0	1017.0
27.5°	852.7	946.8	968.9	972.9	981.0	983.9	987.9	988.9	989.9	992.9	990.9
30°	805.6	907.8	940.8	944.8	957.9	959.8	955.9	957.9	962.8	964.9	966.9
32.5°	752.5	849.7	911.7	920.8	932.9	926.8	925.8	928.8	936.8	936.8	938.8
35°	680.4	804.6	884.7	892.7	901.8	894.7	898.8	899.8	904.8	907.8	906.8
37.5°	601.2	765.5	856.7	862.6	869.7	860.6	866.7	869.7	873.7	871.7	871.7
40°	531.1	704.4	823.6	827.6	833.7	826.6	832.7	834.6	836.6	834.6	833.7
42.5°	479.0	637.2	788.5	793.5	789.5	794.5	796.6	800.6	797.6	793.5	793.5
45°	438.8	619.2	750.5	756.5	750.5	758.5	761.4	761.4	752.5	750.5	749.5
47.5°	425.8	583.2	712.4	712.4	709.4	719.4	724.4	717.4	708.4	705.4	705.4
50°	424.8	543.0	660.2	656.3	670.3	682.4	677.3	670.3	663.3	652.3	652.3
52.5°	385.8	493.9	593.1	608.2	630.3	637.2	629.3	622.2	610.1	605.2	601.2
55°	357.7	442.8	532.1	562.1	585.2	594.1	579.2	572.1	554.1	551.1	549.1
57.5°	351.7	368.7	475.9	514.0	542.0	541.0	532.1	519.0	504.0	501.0	500.0
60°	322.6	266.5	415.8	460.9	489.9	486.9	479.0	466.9	452.9	450.9	448.9
62.5°	292.5	193.4	347.7	398.8	439.8	438.8	431.9	413.8	403.8	398.8	394.8
65°	248.5	162.3	247.5	331.7	390.7	392.7	377.8	364.7	353.7	347.7	346.7
67.5°	189.3	132.3	167.3	276.6	343.7	341.6	322.6	316.6	302.6	299.6	293.6
70°	140.2	88.1	116.2	224.4	297.6	292.5	277.6	270.5	257.5	250.5	246.5
72.5°	116.2	71.1	85.2	174.3	250.5	244.5	231.5	223.4	212.4	206.4	202.4
75°	94.2	75.1	65.1	129.3	203.4	199.4	187.3	179.4	170.3	162.3	163.3
77.5°	69.1	70.1	52.1	95.2	161.4	155.3	148.3	138.2	134.3	126.3	126.3
80°	52.1	55.1	39.0	65.1	116.2	116.2	110.3	103.2	96.2	92.2	92.2
82.5°	35.1	35.1	29.1	41.0	79.2	76.2	72.1	70.1	66.1	64.1	64.1
85°	16.0	20.0	18.0	25.0	43.1	45.1	45.1	43.1	42.1	40.0	41.0
87.5°	5.0	9.1	11.1	14.0	22.0	23.0	24.0	24.0	24.0	25.0	25.0
90°	3.1	5.6	8.1	8.7	13.5	20.1	23.4	20.8	15.5	11.7	11.7
92.5°	12.4	33.3	54.2	59.5	83.6	115.7	131.8	115.4	82.9	58.5	56.2
95°	29.6	67.8	106.2	115.7	205.6	325.4	385.3	343.8	260.9	198.6	191.5
97.5°	51.1	85.0	118.7	127.2	277.0	476.7	576.5	550.3	497.8	458.5	445.0
100°	67.7	98.4	129.1	136.8	302.9	524.5	635.2	637.1	641.0	643.9	628.0
102.5°	81.9	110.6	139.1	146.3	314.8	539.5	651.9	685.2	752.1	802.2	788.5
105°	106.0	130.2	154.4	160.5	323.6	541.2	650.0	724.9	874.6	986.9	979.6
107.5°	130.6	153.2	175.7	181.4	325.3	517.1	613.0	717.4	926.3	1083.0	1084.7
110°	147.2	167.5	187.9	193.0	322.8	495.8	582.3	699.0	932.6	1107.7	1115.3

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	163.5	183.0	202.4	207.3	322.9	477.2	554.3	673.8	912.7	1091.9	1103.7
115°	188.1	206.1	224.0	228.5	325.9	455.8	520.7	635.8	866.0	1038.6	1055.0
117.5°	212.4	228.8	245.0	249.1	332.0	442.4	497.6	601.5	809.2	965.0	983.2
120°	226.6	241.9	257.3	261.2	336.8	437.8	488.3	583.3	773.1	915.4	933.1
122.5°	240.5	256.0	271.4	275.3	343.9	435.5	481.3	566.7	737.7	865.9	883.3
125°	261.7	275.8	289.9	293.4	353.5	433.6	473.6	546.2	691.4	800.3	816.2
127.5°	279.0	293.2	307.5	311.1	363.0	432.5	467.1	529.5	654.1	747.6	761.0
130°	288.2	303.6	318.9	322.7	370.0	433.1	464.6	520.1	631.2	714.4	726.9
132.5°	297.8	313.1	328.5	332.3	375.7	433.6	462.5	512.2	611.5	686.0	697.2
135°	311.9	325.9	339.8	343.3	381.9	433.2	458.9	500.5	583.7	646.0	655.7
137.5°	326.4	340.2	354.0	357.5	391.0	435.8	458.2	493.3	563.6	616.4	624.3
140°	338.4	351.2	363.8	367.0	396.7	436.2	456.1	486.4	547.2	592.7	600.1
142.5°	347.6	359.4	371.1	374.1	401.4	437.8	456.1	482.8	536.0	576.1	582.5
145°	361.8	372.1	382.4	385.0	407.7	437.8	453.0	474.8	518.4	551.2	556.0
147.5°	376.0	386.0	396.0	398.5	416.6	440.8	453.0	470.1	504.5	530.3	534.3
150°	385.3	394.3	403.3	405.6	421.4	442.4	453.0	467.5	496.5	518.2	521.4
152.5°	394.7	401.6	408.5	410.2	424.4	443.4	453.0	465.3	490.1	508.7	511.0
155°	409.0	414.0	419.0	420.3	431.2	445.7	453.0	462.8	482.6	497.3	498.9
157.5°	419.4	424.3	429.3	430.5	437.9	448.0	453.0	460.6	476.0	487.4	488.5
160°	426.5	430.3	434.1	435.1	441.0	449.0	453.0	459.6	472.7	482.6	483.2
162.5°	433.6	436.4	439.3	440.0	444.3	450.1	453.0	458.6	469.6	477.9	478.5
165°	441.2	443.8	446.4	447.1	449.1	451.7	453.0	457.0	464.8	470.8	471.5
167.5°	448.3	449.5	450.8	451.1	452.8	455.0	456.1	458.7	463.8	467.7	468.0
170°	453.0	454.2	455.5	455.8	455.9	456.0	456.1	458.7	463.8	467.7	467.7
172.5°	455.5	455.8	456.0	456.1	456.1	456.1	456.1	458.1	462.1	465.2	465.0
175°	458.9	458.9	458.9	458.9	458.0	456.7	456.1	457.4	460.0	461.8	461.8
177.5°	458.9	458.9	458.9	458.9	458.2	457.2	456.7	457.7	459.8	461.2	460.9
180°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1086.1	1083.2	1086.1	1084.1	1085.1	1082.2	1073.1	1070.1	1073.1	1076.1	1076.1
5°	1099.2	1097.1	1099.2	1099.2	1098.2	1096.1	1086.1	1084.1	1086.1	1087.1	1085.1
7.5°	1103.2	1100.2	1103.2	1101.2	1101.2	1099.2	1089.1	1087.1	1088.1	1091.1	1088.1
10°	1103.2	1100.2	1103.2	1102.2	1101.2	1099.2	1089.1	1085.1	1085.1	1088.1	1085.1
12.5°	1098.2	1096.1	1098.2	1096.1	1096.1	1094.1	1084.1	1080.1	1081.2	1082.2	1078.1
15°	1090.1	1087.1	1090.1	1088.1	1089.1	1086.1	1075.1	1071.1	1071.1	1073.1	1066.1
17.5°	1078.1	1074.1	1078.1	1077.1	1076.1	1074.1	1064.0	1060.0	1059.0	1060.0	1055.1
20°	1064.0	1061.0	1064.0	1063.0	1063.0	1059.0	1049.1	1044.0	1044.0	1044.0	1039.0
22.5°	1042.0	1039.0	1042.0	1044.0	1044.0	1043.0	1034.0	1027.0	1025.0	1025.0	1019.0
25°	1017.0	1014.0	1017.0	1017.0	1016.0	1017.0	1014.0	1009.9	1007.0	1004.0	998.0
27.5°	992.9	990.9	992.9	990.9	992.9	989.9	988.9	987.9	983.9	981.0	972.9
30°	968.9	966.9	968.9	966.9	964.9	962.8	957.9	955.9	959.8	957.9	944.8
32.5°	938.8	936.8	938.8	938.8	936.8	936.8	928.8	925.8	926.8	932.9	920.8
35°	907.8	904.8	907.8	906.8	907.8	904.8	899.8	898.8	894.7	901.8	892.7
37.5°	871.7	868.7	871.7	871.7	871.7	873.7	869.7	866.7	860.6	869.7	862.6
40°	834.6	830.7	834.6	833.7	834.6	836.6	834.6	832.7	826.6	833.7	827.6
42.5°	792.5	791.5	792.5	793.5	793.5	797.6	800.6	796.6	794.5	789.5	793.5
45°	747.5	745.4	747.5	749.5	750.5	752.5	761.4	761.4	758.5	750.5	756.5
47.5°	699.4	694.3	699.4	705.4	705.4	708.4	717.4	724.4	719.4	709.4	712.4
50°	648.3	649.3	648.3	652.3	652.3	663.3	670.3	677.3	682.4	670.3	656.3
52.5°	598.2	597.2	598.2	601.2	605.2	610.1	622.2	629.3	637.2	630.3	608.2
55°	548.1	550.1	548.1	549.1	551.1	554.1	572.1	579.2	594.1	585.2	562.1
57.5°	498.0	495.0	498.0	500.0	501.0	504.0	519.0	532.1	541.0	542.0	514.0
60°	439.8	435.8	439.8	448.9	450.9	452.9	466.9	479.0	486.9	489.9	460.9
62.5°	388.7	381.8	388.7	394.8	398.8	403.8	413.8	431.9	438.8	439.8	398.8
65°	334.7	331.7	334.7	346.7	347.7	353.7	364.7	377.8	392.7	390.7	331.7
67.5°	285.6	285.6	285.6	293.6	299.6	302.6	316.6	322.6	341.6	343.7	276.6
70°	240.4	239.4	240.4	246.5	250.5	257.5	270.5	277.6	292.5	297.6	224.4
72.5°	197.4	196.4	197.4	202.4	206.4	212.4	223.4	231.5	244.5	250.5	174.3
75°	159.4	157.3	159.4	163.3	162.3	170.3	179.4	187.3	199.4	203.4	129.3
77.5°	122.2	122.2	122.2	126.3	126.3	134.3	138.2	148.3	155.3	161.4	95.2
80°	91.1	90.1	91.1	92.2	92.2	96.2	103.2	110.3	116.2	116.2	65.1
82.5°	64.1	62.2	64.1	64.1	64.1	66.1	70.1	72.1	76.2	79.2	41.0
85°	40.0	40.0	40.0	41.0	40.0	42.1	43.1	45.1	45.1	43.1	25.0
87.5°	26.1	25.0	26.1	25.0	25.0	24.0	24.0	24.0	23.0	22.0	14.0
90°	11.7	11.7	11.7	11.7	11.7	15.5	20.8	23.4	20.1	13.5	8.7
92.5°	46.8	37.5	46.8	56.2	58.5	82.9	115.4	131.8	115.7	83.6	59.5
95°	163.3	135.2	163.3	191.5	198.6	260.9	343.8	385.3	325.4	205.6	115.7
97.5°	391.4	337.8	391.4	445.0	458.5	497.8	550.3	576.5	476.7	277.0	127.2
100°	564.0	500.1	564.0	628.0	643.9	641.0	637.1	635.2	524.5	302.9	136.8
102.5°	733.8	679.0	733.8	788.5	802.2	752.1	685.2	651.9	539.5	314.8	146.3
105°	950.2	920.7	950.2	979.6	986.9	874.6	724.9	650.0	541.2	323.6	160.5
107.5°	1091.8	1099.0	1091.8	1084.7	1083.0	926.3	717.4	613.0	517.1	325.3	181.4
110°	1145.9	1176.6	1145.9	1115.3	1107.7	932.6	699.0	582.3	495.8	322.8	193.0

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1150.8	1197.8	1150.8	1103.7	1091.9	912.7	673.8	554.3	477.2	322.9	207.3
115°	1120.2	1185.5	1120.2	1055.0	1038.6	866.0	635.8	520.7	455.8	325.9	228.5
117.5°	1055.6	1128.0	1055.6	983.2	965.0	809.2	601.5	497.6	442.4	332.0	249.1
120°	1003.4	1073.8	1003.4	933.1	915.4	773.1	583.3	488.3	437.8	336.8	261.2
122.5°	952.7	1022.0	952.7	883.3	865.9	737.7	566.7	481.3	435.5	343.9	275.3
125°	880.2	944.1	880.2	816.2	800.3	691.4	546.2	473.6	433.6	353.5	293.4
127.5°	815.0	869.0	815.0	761.0	747.6	654.1	529.5	467.1	432.5	363.0	311.1
130°	776.7	826.5	776.7	726.9	714.4	631.2	520.1	464.6	433.1	370.0	322.7
132.5°	741.8	786.4	741.8	697.2	686.0	611.5	512.2	462.5	433.6	375.7	332.3
135°	694.1	732.6	694.1	655.7	646.0	583.7	500.5	458.9	433.2	381.9	343.3
137.5°	655.9	687.3	655.9	624.3	616.4	563.6	493.3	458.2	435.8	391.0	357.5
140°	629.5	659.0	629.5	600.1	592.7	547.2	486.4	456.1	436.2	396.7	367.0
142.5°	607.8	633.1	607.8	582.5	576.1	536.0	482.8	456.1	437.8	401.4	374.1
145°	575.2	594.3	575.2	556.0	551.2	518.4	474.8	453.0	437.8	407.7	385.0
147.5°	550.1	565.9	550.1	534.3	530.3	504.5	470.1	453.0	440.8	416.6	398.5
150°	534.4	547.2	534.4	521.4	518.2	496.5	467.5	453.0	442.4	421.4	405.6
152.5°	520.8	530.6	520.8	511.0	508.7	490.1	465.3	453.0	443.4	424.4	410.2
155°	505.4	511.7	505.4	498.9	497.3	482.6	462.8	453.0	445.7	431.2	420.3
157.5°	493.1	497.6	493.1	488.5	487.4	476.0	460.6	453.0	448.0	437.9	430.5
160°	485.7	488.3	485.7	483.2	482.6	472.7	459.6	453.0	449.0	441.0	435.1
162.5°	481.0	483.5	481.0	478.5	477.9	469.6	458.6	453.0	450.1	444.3	440.0
165°	474.1	476.7	474.1	471.5	470.8	464.8	457.0	453.0	451.7	449.1	447.1
167.5°	469.1	470.2	469.1	468.0	467.7	463.8	458.7	456.1	455.0	452.8	451.1
170°	467.7	467.7	467.7	467.7	467.7	463.8	458.7	456.1	456.0	455.9	455.8
172.5°	464.0	463.1	464.0	465.0	465.2	462.1	458.1	456.1	456.1	456.1	456.1
175°	461.8	461.8	461.8	461.8	461.8	460.0	457.4	456.1	456.7	458.0	458.9
177.5°	460.0	458.9	460.0	460.9	461.2	459.8	457.7	456.7	457.2	458.2	458.9
180°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1074.1	1068.1	1068.1	1058.1	1054.1	1051.1	1046.0	1031.1	1027.0	1023.0	1029.0
5°	1083.2	1072.1	1064.0	1046.0	1031.1	1025.0	1006.0	969.9	945.8	927.8	917.8
7.5°	1085.1	1071.1	1056.1	1028.0	991.9	975.9	917.8	851.7	833.7	817.6	807.6
10°	1083.2	1067.1	1046.0	1004.0	918.8	890.7	832.7	789.5	778.5	775.5	778.5
12.5°	1076.1	1061.0	1032.1	961.8	842.6	823.6	789.5	764.5	762.4	767.5	794.5
15°	1064.0	1050.1	1016.0	905.8	800.6	786.5	762.4	753.5	764.5	799.6	880.8
17.5°	1052.1	1036.0	993.9	850.7	768.5	758.5	741.4	759.4	821.6	868.7	895.7
20°	1036.0	1017.0	968.9	810.5	745.4	736.4	728.4	809.5	856.7	873.7	888.7
22.5°	1017.0	996.9	934.8	782.6	721.4	714.4	719.4	837.6	856.7	868.7	881.8
25°	991.9	974.9	894.7	760.4	702.4	694.3	713.4	834.6	845.6	848.7	874.7
27.5°	968.9	946.8	852.7	740.4	679.4	676.3	718.4	821.6	829.7	832.7	860.6
30°	940.8	907.8	805.6	719.4	655.3	654.3	719.4	805.6	803.6	811.5	839.6
32.5°	911.7	849.7	752.5	693.3	632.3	631.3	712.4	781.6	779.6	790.5	811.5
35°	884.7	804.6	680.4	663.3	603.2	604.2	695.3	753.5	754.5	764.5	777.5
37.5°	856.7	765.5	601.2	630.3	575.1	575.1	672.3	727.4	725.4	728.4	746.5
40°	823.6	704.4	531.1	587.1	549.1	546.1	644.2	699.4	692.3	691.3	716.4
42.5°	788.5	637.2	479.0	530.1	519.0	515.0	610.1	665.3	652.3	655.3	687.3
45°	750.5	619.2	438.8	447.9	487.9	485.0	573.1	626.2	617.2	625.2	658.3
47.5°	712.4	583.2	425.8	371.7	454.9	453.9	532.1	588.1	583.2	591.1	626.2
50°	660.2	543.0	424.8	318.6	417.8	421.8	483.0	551.1	551.1	558.1	595.2
52.5°	593.1	493.9	385.8	288.5	374.7	386.7	439.8	519.0	521.0	528.1	561.0
55°	532.1	442.8	357.7	265.5	323.6	349.7	397.8	485.9	489.9	497.0	527.0
57.5°	475.9	368.7	351.7	238.4	276.6	301.6	360.8	453.9	455.9	461.9	490.9
60°	415.8	266.5	322.6	209.4	235.5	254.5	326.6	415.8	422.8	426.8	451.9
62.5°	347.7	193.4	292.5	189.3	215.4	219.4	298.6	379.8	388.7	391.7	406.8
65°	247.5	162.3	248.5	172.3	194.4	195.4	268.5	342.6	350.7	355.7	366.7
67.5°	167.3	132.3	189.3	156.3	178.4	179.4	239.4	299.6	310.7	314.6	321.6
70°	116.2	88.1	140.2	139.2	160.4	162.3	208.4	260.6	270.5	273.5	277.6
72.5°	85.2	71.1	116.2	125.2	141.2	143.3	176.4	216.4	226.5	229.5	231.5
75°	65.1	75.1	94.2	109.3	120.2	121.2	144.3	176.4	183.4	185.4	186.4
77.5°	52.1	70.1	69.1	88.1	98.2	96.2	113.2	136.3	142.2	142.2	142.2
80°	39.0	55.1	52.1	63.1	72.1	70.1	81.2	97.2	99.2	101.2	100.2
82.5°	29.1	35.1	35.1	40.0	48.1	46.1	54.1	63.1	63.1	63.1	65.1
85°	18.0	20.0	16.0	21.0	27.1	26.1	30.1	34.1	35.1	35.1	33.1
87.5°	11.1	9.1	5.0	8.0	12.1	12.1	14.0	15.0	14.0	14.0	14.0
90°	8.1	5.6	3.1	5.6	8.1	8.7	13.5	20.1	23.4	20.8	15.5
92.5°	54.2	33.3	12.4	33.3	54.2	59.5	83.6	115.7	131.8	115.4	82.9
95°	106.2	67.8	29.6	67.8	106.2	115.7	205.6	325.4	385.3	343.8	260.9
97.5°	118.7	85.0	51.1	85.0	118.7	127.2	277.0	476.7	576.5	550.3	497.8
100°	129.1	98.4	67.7	98.4	129.1	136.8	302.9	524.5	635.2	637.1	641.0
102.5°	139.1	110.6	81.9	110.6	139.1	146.3	314.8	539.5	651.9	685.2	752.1
105°	154.4	130.2	106.0	130.2	154.4	160.5	323.6	541.2	650.0	724.9	874.6
107.5°	175.7	153.2	130.6	153.2	175.7	181.4	325.3	517.1	613.0	717.4	926.3
110°	187.9	167.5	147.2	167.5	187.9	193.0	322.8	495.8	582.3	699.0	932.6

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	202.4	183.0	163.5	183.0	202.4	207.3	322.9	477.2	554.3	673.8	912.7
115°	224.0	206.1	188.1	206.1	224.0	228.5	325.9	455.8	520.7	635.8	866.0
117.5°	245.0	228.8	212.4	228.8	245.0	249.1	332.0	442.4	497.6	601.5	809.2
120°	257.3	241.9	226.6	241.9	257.3	261.2	336.8	437.8	488.3	583.3	773.1
122.5°	271.4	256.0	240.5	256.0	271.4	275.3	343.9	435.5	481.3	566.7	737.7
125°	289.9	275.8	261.7	275.8	289.9	293.4	353.5	433.6	473.6	546.2	691.4
127.5°	307.5	293.2	279.0	293.2	307.5	311.1	363.0	432.5	467.1	529.5	654.1
130°	318.9	303.6	288.2	303.6	318.9	322.7	370.0	433.1	464.6	520.1	631.2
132.5°	328.5	313.1	297.8	313.1	328.5	332.3	375.7	433.6	462.5	512.2	611.5
135°	339.8	325.9	311.9	325.9	339.8	343.3	381.9	433.2	458.9	500.5	583.7
137.5°	354.0	340.2	326.4	340.2	354.0	357.5	391.0	435.8	458.2	493.3	563.6
140°	363.8	351.2	338.4	351.2	363.8	367.0	396.7	436.2	456.1	486.4	547.2
142.5°	371.1	359.4	347.6	359.4	371.1	374.1	401.4	437.8	456.1	482.8	536.0
145°	382.4	372.1	361.8	372.1	382.4	385.0	407.7	437.8	453.0	474.8	518.4
147.5°	396.0	386.0	376.0	386.0	396.0	398.5	416.6	440.8	453.0	470.1	504.5
150°	403.3	394.3	385.3	394.3	403.3	405.6	421.4	442.4	453.0	467.5	496.5
152.5°	408.5	401.6	394.7	401.6	408.5	410.2	424.4	443.4	453.0	465.3	490.1
155°	419.0	414.0	409.0	414.0	419.0	420.3	431.2	445.7	453.0	462.8	482.6
157.5°	429.3	424.3	419.4	424.3	429.3	430.5	437.9	448.0	453.0	460.6	476.0
160°	434.1	430.3	426.5	430.3	434.1	435.1	441.0	449.0	453.0	459.6	472.7
162.5°	439.3	436.4	433.6	436.4	439.3	440.0	444.3	450.1	453.0	458.6	469.6
165°	446.4	443.8	441.2	443.8	446.4	447.1	449.1	451.7	453.0	457.0	464.8
167.5°	450.8	449.5	448.3	449.5	450.8	451.1	452.8	455.0	456.1	458.7	463.8
170°	455.5	454.2	453.0	454.2	455.5	455.8	455.9	456.0	456.1	458.7	463.8
172.5°	456.0	455.8	455.5	455.8	456.0	456.1	456.1	456.1	456.1	458.1	462.1
175°	458.9	458.9	458.9	458.9	458.9	458.9	458.0	456.7	456.1	457.4	460.0
177.5°	458.9	458.9	458.9	458.9	458.9	458.9	458.2	457.2	456.7	457.7	459.8
180°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1022.0	1019.0	1023.0	1011.9	1023.0	1019.0	1022.0	1029.0	1023.0	1027.0	1031.1
5°	896.8	891.7	875.7	862.6	875.7	891.7	896.8	917.8	927.8	945.8	969.9
7.5°	801.6	797.6	793.5	785.5	793.5	797.6	801.6	807.6	817.6	833.7	851.7
10°	780.6	781.6	787.5	786.5	787.5	781.6	780.6	778.5	775.5	778.5	789.5
12.5°	834.6	843.6	876.7	874.7	876.7	843.6	834.6	794.5	767.5	762.4	764.5
15°	896.8	899.8	906.8	907.8	906.8	899.8	896.8	880.8	799.6	764.5	753.5
17.5°	902.8	903.8	908.8	908.8	908.8	903.8	902.8	895.7	868.7	821.6	759.4
20°	897.8	899.8	909.7	911.7	909.7	899.8	897.8	888.7	873.7	856.7	809.5
22.5°	895.7	899.8	907.8	906.8	907.8	899.8	895.7	881.8	868.7	856.7	837.6
25°	885.7	885.7	886.7	887.7	886.7	885.7	885.7	874.7	848.7	845.6	834.6
27.5°	864.7	866.7	872.7	871.7	872.7	866.7	864.7	860.6	832.7	829.7	821.6
30°	845.6	843.6	838.6	834.6	838.6	843.6	845.6	839.6	811.5	803.6	805.6
32.5°	813.6	808.6	803.6	800.6	803.6	808.6	813.6	811.5	790.5	779.6	781.6
35°	775.5	776.5	775.5	772.5	775.5	776.5	775.5	777.5	764.5	754.5	753.5
37.5°	748.5	750.5	749.5	745.4	749.5	750.5	748.5	746.5	728.4	725.4	727.4
40°	720.4	721.4	720.4	717.4	720.4	721.4	720.4	716.4	691.3	692.3	699.4
42.5°	693.3	692.3	689.3	687.3	689.3	692.3	693.3	687.3	655.3	652.3	665.3
45°	662.3	663.3	657.3	654.3	657.3	663.3	662.3	658.3	625.2	617.2	626.2
47.5°	631.3	631.3	626.2	623.2	626.2	631.3	631.3	626.2	591.1	583.2	588.1
50°	598.2	597.2	590.1	589.1	590.1	597.2	598.2	595.2	558.1	551.1	551.1
52.5°	560.1	560.1	561.0	563.1	561.0	560.1	560.1	561.0	528.1	521.0	519.0
55°	527.0	528.1	535.1	537.0	535.1	528.1	527.0	527.0	497.0	489.9	485.9
57.5°	492.9	492.9	498.0	498.0	498.0	492.9	492.9	490.9	461.9	455.9	453.9
60°	453.9	455.9	459.9	458.9	459.9	455.9	453.9	451.9	426.8	422.8	415.8
62.5°	412.8	414.8	415.8	413.8	415.8	414.8	412.8	406.8	391.7	388.7	379.8
65°	369.7	371.7	372.7	370.7	372.7	371.7	369.7	366.7	355.7	350.7	342.6
67.5°	325.6	324.6	323.6	327.7	323.6	324.6	325.6	321.6	314.6	310.7	299.6
70°	280.6	280.6	279.6	281.6	279.6	280.6	280.6	277.6	273.5	270.5	260.6
72.5°	232.5	231.5	235.5	232.5	235.5	231.5	232.5	231.5	229.5	226.5	216.4
75°	185.4	187.3	185.4	188.3	185.4	187.3	185.4	186.4	185.4	183.4	176.4
77.5°	141.2	143.3	141.2	141.2	141.2	143.3	141.2	142.2	142.2	142.2	136.3
80°	100.2	99.2	99.2	98.2	99.2	99.2	100.2	100.2	101.2	99.2	97.2
82.5°	64.1	63.1	63.1	65.1	63.1	63.1	64.1	65.1	63.1	63.1	63.1
85°	35.1	36.1	34.1	34.1	34.1	36.1	35.1	33.1	35.1	35.1	34.1
87.5°	13.0	12.1	12.1	12.1	12.1	12.1	13.0	14.0	14.0	14.0	15.0
90°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	15.5	20.8	23.4	20.1
92.5°	58.5	56.2	46.8	37.5	46.8	56.2	58.5	82.9	115.4	131.8	115.7
95°	198.6	191.5	163.3	135.2	163.3	191.5	198.6	260.9	343.8	385.3	325.4
97.5°	458.5	445.0	391.4	337.8	391.4	445.0	458.5	497.8	550.3	576.5	476.7
100°	643.9	628.0	564.0	500.1	564.0	628.0	643.9	641.0	637.1	635.2	524.5
102.5°	802.2	788.5	733.8	679.0	733.8	788.5	802.2	752.1	685.2	651.9	539.5
105°	986.9	979.6	950.2	920.7	950.2	979.6	986.9	874.6	724.9	650.0	541.2
107.5°	1083.0	1084.7	1091.8	1099.0	1091.8	1084.7	1083.0	926.3	717.4	613.0	517.1
110°	1107.7	1115.3	1145.9	1176.6	1145.9	1115.3	1107.7	932.6	699.0	582.3	495.8

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1091.9	1103.7	1150.8	1197.8	1150.8	1103.7	1091.9	912.7	673.8	554.3	477.2
115°	1038.6	1055.0	1120.2	1185.5	1120.2	1055.0	1038.6	866.0	635.8	520.7	455.8
117.5°	965.0	983.2	1055.6	1128.0	1055.6	983.2	965.0	809.2	601.5	497.6	442.4
120°	915.4	933.1	1003.4	1073.8	1003.4	933.1	915.4	773.1	583.3	488.3	437.8
122.5°	865.9	883.3	952.7	1022.0	952.7	883.3	865.9	737.7	566.7	481.3	435.5
125°	800.3	816.2	880.2	944.1	880.2	816.2	800.3	691.4	546.2	473.6	433.6
127.5°	747.6	761.0	815.0	869.0	815.0	761.0	747.6	654.1	529.5	467.1	432.5
130°	714.4	726.9	776.7	826.5	776.7	726.9	714.4	631.2	520.1	464.6	433.1
132.5°	686.0	697.2	741.8	786.4	741.8	697.2	686.0	611.5	512.2	462.5	433.6
135°	646.0	655.7	694.1	732.6	694.1	655.7	646.0	583.7	500.5	458.9	433.2
137.5°	616.4	624.3	655.9	687.3	655.9	624.3	616.4	563.6	493.3	458.2	435.8
140°	592.7	600.1	629.5	659.0	629.5	600.1	592.7	547.2	486.4	456.1	436.2
142.5°	576.1	582.5	607.8	633.1	607.8	582.5	576.1	536.0	482.8	456.1	437.8
145°	551.2	556.0	575.2	594.3	575.2	556.0	551.2	518.4	474.8	453.0	437.8
147.5°	530.3	534.3	550.1	565.9	550.1	534.3	530.3	504.5	470.1	453.0	440.8
150°	518.2	521.4	534.4	547.2	534.4	521.4	518.2	496.5	467.5	453.0	442.4
152.5°	508.7	511.0	520.8	530.6	520.8	511.0	508.7	490.1	465.3	453.0	443.4
155°	497.3	498.9	505.4	511.7	505.4	498.9	497.3	482.6	462.8	453.0	445.7
157.5°	487.4	488.5	493.1	497.6	493.1	488.5	487.4	476.0	460.6	453.0	448.0
160°	482.6	483.2	485.7	488.3	485.7	483.2	482.6	472.7	459.6	453.0	449.0
162.5°	477.9	478.5	481.0	483.5	481.0	478.5	477.9	469.6	458.6	453.0	450.1
165°	470.8	471.5	474.1	476.7	474.1	471.5	470.8	464.8	457.0	453.0	451.7
167.5°	467.7	468.0	469.1	470.2	469.1	468.0	467.7	463.8	458.7	456.1	455.0
170°	467.7	467.7	467.7	467.7	467.7	467.7	467.7	463.8	458.7	456.1	456.0
172.5°	465.2	465.0	464.0	463.1	464.0	465.0	465.2	462.1	458.1	456.1	456.1
175°	461.8	461.8	461.8	461.8	461.8	461.8	461.8	460.0	457.4	456.1	456.7
177.5°	461.2	460.9	460.0	458.9	460.0	460.9	461.2	459.8	457.7	456.7	457.2
180°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1046.0	1051.1	1054.1	1058.1	1068.1
5°	1006.0	1025.0	1031.1	1046.0	1064.0
7.5°	917.8	975.9	991.9	1028.0	1056.1
10°	832.7	890.7	918.8	1004.0	1046.0
12.5°	789.5	823.6	842.6	961.8	1032.1
15°	762.4	786.5	800.6	905.8	1016.0
17.5°	741.4	758.5	768.5	850.7	993.9
20°	728.4	736.4	745.4	810.5	968.9
22.5°	719.4	714.4	721.4	782.6	934.8
25°	713.4	694.3	702.4	760.4	894.7
27.5°	718.4	676.3	679.4	740.4	852.7
30°	719.4	654.3	655.3	719.4	805.6
32.5°	712.4	631.3	632.3	693.3	752.5
35°	695.3	604.2	603.2	663.3	680.4
37.5°	672.3	575.1	575.1	630.3	601.2
40°	644.2	546.1	549.1	587.1	531.1
42.5°	610.1	515.0	519.0	530.1	479.0
45°	573.1	485.0	487.9	447.9	438.8
47.5°	532.1	453.9	454.9	371.7	425.8
50°	483.0	421.8	417.8	318.6	424.8
52.5°	439.8	386.7	374.7	288.5	385.8
55°	397.8	349.7	323.6	265.5	357.7
57.5°	360.8	301.6	276.6	238.4	351.7
60°	326.6	254.5	235.5	209.4	322.6
62.5°	298.6	219.4	215.4	189.3	292.5
65°	268.5	195.4	194.4	172.3	248.5
67.5°	239.4	179.4	178.4	156.3	189.3
70°	208.4	162.3	160.4	139.2	140.2
72.5°	176.4	143.3	141.2	125.2	116.2
75°	144.3	121.2	120.2	109.3	94.2
77.5°	113.2	96.2	98.2	88.1	69.1
80°	81.2	70.1	72.1	63.1	52.1
82.5°	54.1	46.1	48.1	40.0	35.1
85°	30.1	26.1	27.1	21.0	16.0
87.5°	14.0	12.1	12.1	8.0	5.0
90°	13.5	8.7	8.1	5.6	3.1
92.5°	83.6	59.5	54.2	33.3	12.4
95°	205.6	115.7	106.2	67.8	29.6
97.5°	277.0	127.2	118.7	85.0	51.1
100°	302.9	136.8	129.1	98.4	67.7
102.5°	314.8	146.3	139.1	110.6	81.9
105°	323.6	160.5	154.4	130.2	106.0
107.5°	325.3	181.4	175.7	153.2	130.6
110°	322.8	193.0	187.9	167.5	147.2

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	322.9	207.3	202.4	183.0	163.5
115°	325.9	228.5	224.0	206.1	188.1
117.5°	332.0	249.1	245.0	228.8	212.4
120°	336.8	261.2	257.3	241.9	226.6
122.5°	343.9	275.3	271.4	256.0	240.5
125°	353.5	293.4	289.9	275.8	261.7
127.5°	363.0	311.1	307.5	293.2	279.0
130°	370.0	322.7	318.9	303.6	288.2
132.5°	375.7	332.3	328.5	313.1	297.8
135°	381.9	343.3	339.8	325.9	311.9
137.5°	391.0	357.5	354.0	340.2	326.4
140°	396.7	367.0	363.8	351.2	338.4
142.5°	401.4	374.1	371.1	359.4	347.6
145°	407.7	385.0	382.4	372.1	361.8
147.5°	416.6	398.5	396.0	386.0	376.0
150°	421.4	405.6	403.3	394.3	385.3
152.5°	424.4	410.2	408.5	401.6	394.7
155°	431.2	420.3	419.0	414.0	409.0
157.5°	437.9	430.5	429.3	424.3	419.4
160°	441.0	435.1	434.1	430.3	426.5
162.5°	444.3	440.0	439.3	436.4	433.6
165°	449.1	447.1	446.4	443.8	441.2
167.5°	452.8	451.1	450.8	449.5	448.3
170°	455.9	455.8	455.5	454.2	453.0
172.5°	456.1	456.1	456.0	455.8	455.5
175°	458.0	458.9	458.9	458.9	458.9
177.5°	458.2	458.9	458.9	458.9	458.9
180°	458.9	458.9	458.9	458.9	458.9

TEST NUMBER: P934287

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-6-2700K

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	11.15	11.99	12.12	12.98	14.28	13.97	14.82	14.95	15.80	17.10
	3H	11.62	12.38	12.61	13.38	14.70	15.31	16.07	16.30	17.07	18.39
	4H	11.81	12.53	12.81	13.53	14.86	15.76	16.47	16.76	17.47	18.80
	6H	11.93	12.59	12.94	13.60	14.94	16.04	16.70	17.05	17.70	19.04
	8H	11.93	12.56	12.95	13.58	14.92	16.11	16.74	17.13	17.76	19.10
	12H	11.90	12.50	12.92	13.51	14.88	16.15	16.75	17.17	17.76	19.12
4H	2H	12.18	12.89	13.18	13.89	15.22	14.38	15.10	15.38	16.10	17.42
	3H	13.20	13.80	14.22	14.83	16.17	15.88	16.48	16.90	17.51	18.85
	4H	13.48	14.02	14.50	15.04	16.41	16.41	16.95	17.43	17.97	19.34
	6H	13.60	14.07	14.63	15.12	16.48	16.77	17.24	17.80	18.28	19.65
	8H	13.61	14.04	14.64	15.08	16.46	16.88	17.31	17.91	18.35	19.73
	12H	13.57	13.97	14.62	15.02	16.40	16.93	17.33	17.98	18.38	19.76
8H	4H	13.93	14.37	14.96	15.40	16.78	16.53	16.97	17.56	18.01	19.38
	6H	14.19	14.55	15.25	15.63	17.01	16.97	17.33	18.02	18.41	19.78
	8H	14.23	14.55	15.30	15.61	17.01	17.12	17.43	18.18	18.50	19.89
	12H	14.21	14.50	15.28	15.55	16.99	17.21	17.49	18.28	18.55	19.99
12H	4H	13.93	14.33	14.99	15.38	16.77	16.49	16.89	17.55	17.94	19.33
	6H	14.25	14.57	15.31	15.63	17.03	16.96	17.28	18.03	18.35	19.74
	8H	14.32	14.60	15.38	15.66	17.09	17.12	17.40	18.19	18.46	19.90