

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: P935533

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935533
REPORT IS A COMBINATION OF REPORTS P933758 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

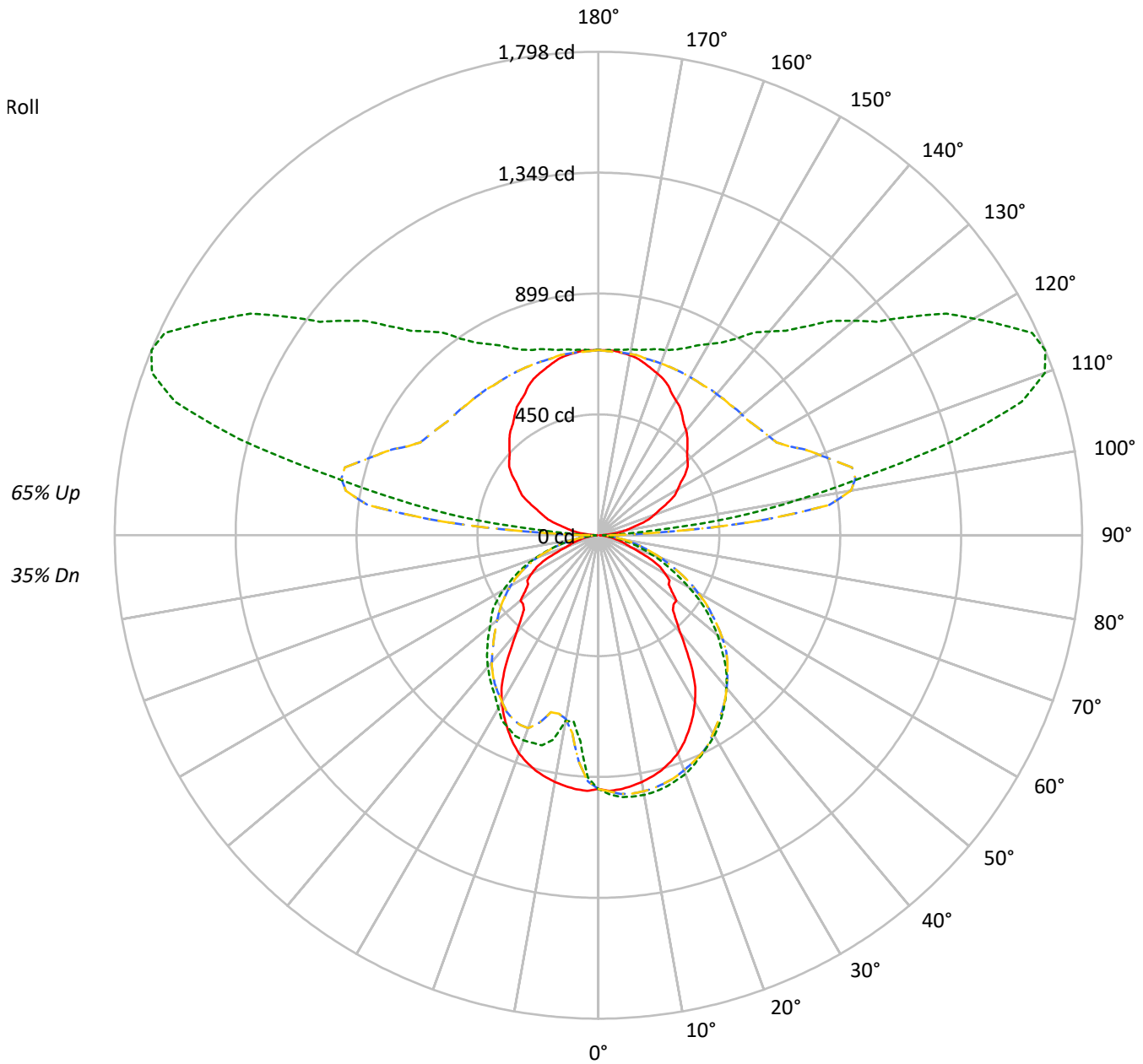
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6913.3 lumens
Efficiency: N/A
Efficacy: 124.3 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): 55.6
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: P935533
CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8756	8756	8756	8756
5°	8812	8839	8812	6950
10°	8743	8707	8743	6225
15°	8638	8519	8638	7113
20°	8448	8295	8448	7128
25°	8068	7968	8068	6977
30°	7582	7698	7582	6645
35°	6749	7355	6749	6281
40°	5614	6953	5614	6005
45°	5007	6481	5007	5689
50°	5307	5919	5307	5370
55°	4980	5313	4980	5187
60°	5112	4513	5112	4751
65°	4614	3730	4614	4170
70°	3173	2972	3173	3494
75°	2751	2196	2751	2631
80°	2172	1452	2172	1582
85°	1184	769	1184	653

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7688 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	1.2
10°-20°	241.8	3.5
20°-30°	373.8	5.4
30°-40°	446.3	6.5
40°-50°	448.9	6.5
50°-60°	390.6	5.7
60°-70°	276.9	4.0
70°-80°	146.5	2.1
80°-90°	39.1	0.6
90°-100°	335.7	4.9
100°-110°	882.5	12.8
110°-120°	915.0	13.2
120°-130°	734.0	10.6
130°-140°	575.9	8.3
140°-150°	442.0	6.4
150°-160°	318.3	4.6
160°-170°	194.8	2.8
170°-180°	65.8	1.0
0°-30°	700.9	10.1
0°-40°	1147.2	16.6
0°-60°	1986.7	28.7
0°-90°	2449.3	35.4
90°-120°	2133.2	30.9
90°-150°	3885.1	56.2
90°-180°	4464.0	64.6
0°-180°	6913.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	944	944	944	944	944	
5°	948	978	948	769	948	90
15°	905	969	905	809	905	255
25°	797	903	797	791	797	366
35°	606	806	606	688	606	375
45°	391	664	391	583	391	313
55°	319	490	319	478	319	293
65°	221	296	221	330	221	212
75°	84	140	84	168	84	88
85°	14	36	14	30	14	19
90°	5	18	5	18	5	4
95°	44	203	44	203	44	49
105°	159	1382	159	1382	159	169
115°	282	1779	282	1779	282	279
125°	393	1417	393	1417	393	349
135°	468	1099	468	1099	468	362
145°	543	892	543	892	543	340
155°	614	768	614	768	614	282
165°	662	715	662	715	662	187
175°	689	693	689	693	689	65
180°	689	689	689	689	689	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6
2.5°	951.6	951.6	957.1	958.9	958.9	956.2	953.5	956.2	964.2	966.9	966.0
5°	948.1	955.3	965.1	966.9	968.7	967.8	966.0	967.8	976.7	978.5	979.4
7.5°	940.9	954.4	966.9	969.6	972.2	969.6	968.7	970.5	979.4	981.2	981.2
10°	932.0	950.7	965.1	966.9	969.6	966.9	966.9	970.5	979.4	981.2	982.1
12.5°	919.5	945.4	958.9	960.6	964.2	963.3	962.4	966.0	974.9	976.7	976.7
15°	905.2	935.6	948.1	949.8	956.2	954.4	954.4	958.0	967.8	970.5	969.6
17.5°	885.6	923.1	937.3	940.0	944.5	943.6	944.5	948.1	957.1	958.9	959.7
20°	863.3	906.1	923.1	925.7	930.2	930.2	930.2	934.7	943.6	947.2	947.2
22.5°	832.9	888.2	906.1	907.9	913.2	913.2	915.0	921.3	929.3	930.2	930.2
25°	797.2	868.6	883.8	889.1	894.5	897.2	899.9	903.4	906.1	905.2	906.1
27.5°	759.7	843.6	863.3	866.8	874.0	876.6	880.2	881.1	882.0	884.7	882.9
30°	717.8	808.8	838.3	841.8	853.4	855.2	851.6	853.4	857.9	859.7	861.5
32.5°	670.4	757.0	812.4	820.4	831.1	825.8	824.9	827.5	834.7	834.7	836.5
35°	606.2	716.9	788.3	795.4	803.4	797.2	800.8	801.7	806.1	808.8	807.9
37.5°	535.7	682.1	763.3	768.6	774.9	766.8	772.2	774.9	778.5	776.7	776.7
40°	473.2	627.6	733.8	737.4	742.7	736.5	741.9	743.6	745.4	743.6	742.7
42.5°	426.8	567.8	702.6	707.0	703.5	707.9	709.7	713.3	710.6	707.0	707.0
45°	391.1	551.7	668.7	674.0	668.7	675.8	678.5	678.5	670.4	668.7	667.8
47.5°	379.5	519.6	634.7	634.7	632.1	641.0	645.5	639.2	631.2	628.5	628.5
50°	378.6	483.9	588.3	584.8	597.3	608.0	603.5	597.3	591.0	581.2	581.2
52.5°	343.7	440.2	528.5	541.9	561.5	567.8	560.7	554.4	543.7	539.2	535.7
55°	318.8	394.6	474.1	500.8	521.4	529.4	516.0	509.8	493.7	491.0	489.2
57.5°	313.3	328.6	424.1	458.0	483.0	482.1	474.1	462.5	449.1	446.4	445.5
60°	287.4	237.4	370.5	410.7	436.6	433.9	426.8	416.1	403.6	401.8	400.0
62.5°	260.6	172.3	309.7	355.4	391.9	391.1	384.8	368.7	359.8	355.4	351.8
65°	221.4	144.6	220.5	295.5	348.2	350.0	336.6	325.0	315.1	309.7	308.8
67.5°	168.7	117.8	149.1	246.4	306.2	304.4	287.4	282.1	269.6	266.9	261.5
70°	125.0	78.6	103.5	199.9	265.1	260.6	247.3	241.0	229.4	223.2	219.6
72.5°	103.5	63.4	75.9	155.3	223.2	217.8	206.2	199.1	189.2	183.9	180.3
75°	83.9	66.9	58.0	115.1	181.2	177.6	166.9	159.8	151.7	144.6	145.5
77.5°	61.6	62.5	46.4	84.8	143.7	138.4	132.1	123.2	119.6	112.5	112.5
80°	46.4	49.1	34.8	58.0	103.5	103.5	98.2	91.9	85.7	82.1	82.1
82.5°	31.2	31.2	25.9	36.6	70.5	67.8	64.3	62.5	58.9	57.1	57.1
85°	14.3	17.9	16.1	22.3	38.4	40.2	40.2	38.4	37.5	35.7	36.6
87.5°	4.5	8.0	9.8	12.5	19.6	20.5	21.4	21.4	21.4	22.3	22.3
90°	4.6	8.3	12.1	12.9	20.4	30.2	35.1	31.2	23.4	17.6	17.6
92.5°	18.5	49.9	81.3	89.2	125.4	173.7	197.8	173.3	124.5	87.8	84.4
95°	44.4	101.8	159.4	173.8	308.6	488.3	578.1	515.9	391.5	298.1	287.5
97.5°	76.7	127.4	178.2	190.8	415.6	715.3	865.1	825.8	747.1	688.1	668.0
100°	101.7	147.7	193.7	205.2	454.6	787.1	953.4	956.3	962.1	966.4	942.3
102.5°	122.9	165.8	208.8	219.5	472.5	809.8	978.4	1028.6	1128.8	1204.0	1183.4
105°	159.0	195.4	231.7	240.8	485.8	812.4	975.6	1088.0	1312.7	1481.2	1470.1
107.5°	195.9	229.8	263.8	272.2	488.3	776.2	920.2	1076.9	1390.3	1625.4	1628.0
110°	220.9	251.5	282.1	289.7	484.5	744.2	874.0	1049.2	1399.6	1662.4	1673.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	245.4	274.6	303.7	311.0	484.6	716.1	831.9	1011.2	1369.9	1638.9	1656.5
115°	282.3	309.3	336.2	342.9	489.2	684.0	781.5	954.2	1299.7	1558.9	1583.3
117.5°	318.9	343.4	367.8	373.9	498.3	664.0	746.9	902.7	1214.5	1448.4	1475.5
120°	340.2	363.2	386.2	391.9	505.7	657.2	733.0	875.5	1160.3	1374.0	1400.4
122.5°	361.0	384.2	407.4	413.2	516.3	653.7	722.4	850.7	1107.2	1299.6	1325.6
125°	392.8	414.0	435.2	440.4	530.6	650.7	710.8	819.8	1037.7	1201.1	1225.1
127.5°	418.7	440.1	461.4	466.8	544.9	649.0	701.1	794.6	981.8	1122.1	1142.4
130°	432.6	455.6	478.6	484.3	555.4	650.1	697.4	780.7	947.2	1072.2	1090.9
132.5°	446.9	470.0	493.0	498.7	563.9	650.7	694.2	768.7	917.9	1029.7	1046.4
135°	468.2	489.2	510.0	515.3	573.1	650.1	688.7	751.1	876.0	969.7	984.1
137.5°	489.9	510.6	531.4	536.6	586.9	654.1	687.7	740.4	846.0	925.2	937.0
140°	507.9	527.0	546.1	550.9	595.5	654.8	684.5	730.1	821.3	889.7	900.7
142.5°	521.7	539.4	557.1	561.5	602.5	657.1	684.5	724.5	804.6	864.7	874.1
145°	543.1	558.4	573.9	577.7	611.7	657.1	679.8	712.6	778.1	827.3	834.5
147.5°	564.3	579.3	594.3	598.1	625.3	661.6	679.8	705.6	757.2	795.9	801.8
150°	578.1	591.7	605.3	608.7	632.4	664.0	679.8	701.6	745.2	777.8	782.6
152.5°	592.5	602.8	613.1	615.6	637.1	665.5	679.8	698.4	735.6	763.5	767.1
155°	613.8	621.4	628.9	630.8	647.1	668.9	679.8	694.6	724.2	746.4	748.8
157.5°	629.5	636.9	644.2	646.1	657.3	672.3	679.8	691.3	714.4	731.6	733.3
160°	640.1	645.8	651.6	653.0	662.0	673.8	679.8	689.6	709.4	724.2	725.2
162.5°	650.7	655.0	659.4	660.4	666.9	675.5	679.8	688.1	704.8	717.3	718.2
165°	662.2	666.2	670.1	671.1	674.0	677.9	679.8	685.8	697.7	706.6	707.6
167.5°	672.9	674.7	676.6	677.1	679.6	682.9	684.5	688.4	696.2	702.0	702.5
170°	679.8	681.7	683.6	684.0	684.2	684.4	684.5	688.4	696.2	702.0	702.0
172.5°	683.6	683.9	684.4	684.5	684.5	684.5	684.5	687.5	693.7	698.3	697.9
175°	688.7	688.7	688.7	688.7	687.2	685.4	684.5	686.4	690.3	693.2	693.2
177.5°	688.7	688.7	688.7	688.7	687.6	686.1	685.4	686.9	690.0	692.3	691.9
180°	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6
2.5°	967.8	965.1	967.8	966.0	966.9	964.2	956.2	953.5	956.2	958.9	958.9
5°	979.4	977.6	979.4	979.4	978.5	976.7	967.8	966.0	967.8	968.7	966.9
7.5°	983.0	980.3	983.0	981.2	981.2	979.4	970.5	968.7	969.6	972.2	969.6
10°	983.0	980.3	983.0	982.1	981.2	979.4	970.5	966.9	966.9	969.6	966.9
12.5°	978.5	976.7	978.5	976.7	976.7	974.9	966.0	962.4	963.3	964.2	960.6
15°	971.3	968.7	971.3	969.6	970.5	967.8	958.0	954.4	954.4	956.2	949.8
17.5°	960.6	957.1	960.6	959.7	958.9	957.1	948.1	944.5	943.6	944.5	940.0
20°	948.1	945.4	948.1	947.2	947.2	943.6	934.7	930.2	930.2	930.2	925.7
22.5°	928.4	925.7	928.4	930.2	930.2	929.3	921.3	915.0	913.2	913.2	907.9
25°	906.1	903.4	906.1	906.1	905.2	906.1	903.4	899.9	897.2	894.5	889.1
27.5°	884.7	882.9	884.7	882.9	884.7	882.0	881.1	880.2	876.6	874.0	866.8
30°	863.3	861.5	863.3	861.5	859.7	857.9	853.4	851.6	855.2	853.4	841.8
32.5°	836.5	834.7	836.5	836.5	834.7	834.7	827.5	824.9	825.8	831.1	820.4
35°	808.8	806.1	808.8	807.9	808.8	806.1	801.7	800.8	797.2	803.4	795.4
37.5°	776.7	774.0	776.7	776.7	776.7	778.5	774.9	772.2	766.8	774.9	768.6
40°	743.6	740.1	743.6	742.7	743.6	745.4	743.6	741.9	736.5	742.7	737.4
42.5°	706.2	705.3	706.2	707.0	707.0	710.6	713.3	709.7	707.9	703.5	707.0
45°	666.0	664.2	666.0	667.8	668.7	670.4	678.5	678.5	675.8	668.7	674.0
47.5°	623.1	618.7	623.1	628.5	628.5	631.2	639.2	645.5	641.0	632.1	634.7
50°	577.6	578.5	577.6	581.2	581.2	591.0	597.3	603.5	608.0	597.3	584.8
52.5°	533.0	532.1	533.0	535.7	539.2	543.7	554.4	560.7	567.8	561.5	541.9
55°	488.4	490.1	488.4	489.2	491.0	493.7	509.8	516.0	529.4	521.4	500.8
57.5°	443.7	441.0	443.7	445.5	446.4	449.1	462.5	474.1	482.1	483.0	458.0
60°	391.9	388.4	391.9	400.0	401.8	403.6	416.1	426.8	433.9	436.6	410.7
62.5°	346.4	340.2	346.4	351.8	355.4	359.8	368.7	384.8	391.1	391.9	355.4
65°	298.1	295.5	298.1	308.8	309.7	315.1	325.0	336.6	350.0	348.2	295.5
67.5°	254.4	254.4	254.4	261.5	266.9	269.6	282.1	287.4	304.4	306.2	246.4
70°	214.2	213.3	214.2	219.6	223.2	229.4	241.0	247.3	260.6	265.1	199.9
72.5°	175.8	175.0	175.8	180.3	183.9	189.2	199.1	206.2	217.8	223.2	155.3
75°	141.9	140.1	141.9	145.5	144.6	151.7	159.8	166.9	177.6	181.2	115.1
77.5°	108.9	108.9	108.9	112.5	112.5	119.6	123.2	132.1	138.4	143.7	84.8
80°	81.2	80.3	81.2	82.1	82.1	85.7	91.9	98.2	103.5	103.5	58.0
82.5°	57.1	55.3	57.1	57.1	57.1	58.9	62.5	64.3	67.8	70.5	36.6
85°	35.7	35.7	35.7	36.6	35.7	37.5	38.4	40.2	40.2	38.4	22.3
87.5°	23.2	22.3	23.2	22.3	22.3	21.4	21.4	21.4	20.5	19.6	12.5
90°	17.6	17.6	17.6	17.6	17.6	23.4	31.2	35.1	30.2	20.4	12.9
92.5°	70.3	56.4	70.3	84.4	87.8	124.5	173.3	197.8	173.7	125.4	89.2
95°	245.2	202.9	245.2	287.5	298.1	391.5	515.9	578.1	488.3	308.6	173.8
97.5°	587.5	507.0	587.5	668.0	688.1	747.1	825.8	865.1	715.3	415.6	190.8
100°	846.5	750.5	846.5	942.3	966.4	962.1	956.3	953.4	787.1	454.6	205.2
102.5°	1101.2	1019.1	1101.2	1183.4	1204.0	1128.8	1028.6	978.4	809.8	472.5	219.5
105°	1426.0	1381.9	1426.0	1470.1	1481.2	1312.7	1088.0	975.6	812.4	485.8	240.8
107.5°	1638.8	1649.5	1638.8	1628.0	1625.4	1390.3	1076.9	920.2	776.2	488.3	272.2
110°	1719.9	1765.9	1719.9	1673.9	1662.4	1399.6	1049.2	874.0	744.2	484.5	289.7



TEST NUMBER: P935533

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1727.1	1797.8	1727.1	1656.5	1638.9	1369.9	1011.2	831.9	716.1	484.6	311.0
115°	1681.3	1779.3	1681.3	1583.3	1558.9	1299.7	954.2	781.5	684.0	489.2	342.9
117.5°	1584.2	1692.9	1584.2	1475.5	1448.4	1214.5	902.7	746.9	664.0	498.3	373.9
120°	1505.9	1611.5	1505.9	1400.4	1374.0	1160.3	875.5	733.0	657.2	505.7	391.9
122.5°	1429.7	1533.9	1429.7	1325.6	1299.6	1107.2	850.7	722.4	653.7	516.3	413.2
125°	1321.0	1416.9	1321.0	1225.1	1201.1	1037.7	819.8	710.8	650.7	530.6	440.4
127.5°	1223.2	1304.2	1223.2	1142.4	1122.1	981.8	794.6	701.1	649.0	544.9	466.8
130°	1165.7	1240.5	1165.7	1090.9	1072.2	947.2	780.7	697.4	650.1	555.4	484.3
132.5°	1113.4	1180.3	1113.4	1046.4	1029.7	917.9	768.7	694.2	650.7	563.9	498.7
135°	1041.8	1099.4	1041.8	984.1	969.7	876.0	751.1	688.7	650.1	573.1	515.3
137.5°	984.3	1031.5	984.3	937.0	925.2	846.0	740.4	687.7	654.1	586.9	536.6
140°	944.8	989.0	944.8	900.7	889.7	821.3	730.1	684.5	654.8	595.5	550.9
142.5°	912.2	950.2	912.2	874.1	864.7	804.6	724.5	684.5	657.1	602.5	561.5
145°	863.3	892.0	863.3	834.5	827.3	778.1	712.6	679.8	657.1	611.7	577.7
147.5°	825.6	849.4	825.6	801.8	795.9	757.2	705.6	679.8	661.6	625.3	598.1
150°	802.0	821.3	802.0	782.6	777.8	745.2	701.6	679.8	664.0	632.4	608.7
152.5°	781.7	796.3	781.7	767.1	763.5	735.6	698.4	679.8	665.5	637.1	615.6
155°	758.5	768.1	758.5	748.8	746.4	724.2	694.6	679.8	668.9	647.1	630.8
157.5°	740.1	746.9	740.1	733.3	731.6	714.4	691.3	679.8	672.3	657.3	646.1
160°	729.1	733.0	729.1	725.2	724.2	709.4	689.6	679.8	673.8	662.0	653.0
162.5°	722.0	725.6	722.0	718.2	717.3	704.8	688.1	679.8	675.5	666.9	660.4
165°	711.5	715.4	711.5	707.6	706.6	697.7	685.8	679.8	677.9	674.0	671.1
167.5°	704.1	705.7	704.1	702.5	702.0	696.2	688.4	684.5	682.9	679.6	677.1
170°	702.0	702.0	702.0	702.0	702.0	696.2	688.4	684.5	684.4	684.2	684.0
172.5°	696.5	695.1	696.5	697.9	698.3	693.7	687.5	684.5	684.5	684.5	684.5
175°	693.2	693.2	693.2	693.2	693.2	690.3	686.4	684.5	685.4	687.2	688.7
177.5°	690.3	688.7	690.3	691.9	692.3	690.0	686.9	685.4	686.1	687.6	688.7
180°	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7



TEST NUMBER: P935533

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6
2.5°	957.1	951.6	951.6	942.7	939.1	936.4	932.0	918.6	915.0	911.5	916.8
5°	965.1	955.3	948.1	932.0	918.6	913.2	896.3	864.1	842.7	826.7	817.7
7.5°	966.9	954.4	940.9	915.9	883.8	869.5	817.7	758.8	742.7	728.5	719.5
10°	965.1	950.7	932.0	894.5	818.6	793.6	741.9	703.5	693.7	691.0	693.7
12.5°	958.9	945.4	919.5	857.0	750.8	733.8	703.5	681.2	679.4	683.8	707.9
15°	948.1	935.6	905.2	807.0	713.3	700.8	679.4	671.3	681.2	712.4	784.7
17.5°	937.3	923.1	885.6	757.9	684.7	675.8	660.6	676.7	732.0	774.0	798.1
20°	923.1	906.1	863.3	722.2	664.2	656.2	649.0	721.3	763.3	778.5	791.8
22.5°	906.1	888.2	832.9	697.2	642.8	636.5	641.0	746.3	763.3	774.0	785.6
25°	883.8	868.6	797.2	677.6	625.8	618.7	635.6	743.6	753.5	756.1	779.3
27.5°	863.3	843.6	759.7	659.7	605.3	602.6	640.1	732.0	739.2	741.9	766.8
30°	838.3	808.8	717.8	641.0	583.9	583.0	641.0	717.8	716.0	723.1	748.1
32.5°	812.4	757.0	670.4	617.8	563.3	562.4	634.7	696.3	694.5	704.4	723.1
35°	788.3	716.9	606.2	591.0	537.4	538.3	619.6	671.3	672.2	681.2	692.8
37.5°	763.3	682.1	535.7	561.5	512.5	512.5	599.0	648.1	646.3	649.0	665.1
40°	733.8	627.6	473.2	523.2	489.2	486.6	574.0	623.1	616.9	616.0	638.3
42.5°	702.6	567.8	426.8	472.3	462.5	458.9	543.7	592.8	581.2	583.9	612.4
45°	668.7	551.7	391.1	399.1	434.8	432.1	510.7	558.0	549.9	557.1	586.5
47.5°	634.7	519.6	379.5	331.3	405.3	404.4	474.1	524.1	519.6	526.7	558.0
50°	588.3	483.9	378.6	283.9	372.3	375.9	430.3	491.0	491.0	497.3	530.3
52.5°	528.5	440.2	343.7	257.1	333.9	344.6	391.9	462.5	464.3	470.5	500.0
55°	474.1	394.6	318.8	236.5	288.3	311.5	354.5	433.0	436.6	442.8	469.6
57.5°	424.1	328.6	313.3	212.4	246.4	268.7	321.4	404.4	406.2	411.6	437.5
60°	370.5	237.4	287.4	186.6	209.8	226.7	291.0	370.5	376.8	380.3	402.7
62.5°	309.7	172.3	260.6	168.7	191.9	195.5	266.0	338.4	346.4	349.1	362.5
65°	220.5	144.6	221.4	153.5	173.2	174.1	239.2	305.3	312.4	316.9	326.8
67.5°	149.1	117.8	168.7	139.2	158.9	159.8	213.3	266.9	276.7	280.3	286.5
70°	103.5	78.6	125.0	124.1	142.8	144.6	185.7	232.1	241.0	243.7	247.3
72.5°	75.9	63.4	103.5	111.6	125.9	127.6	157.1	192.8	201.7	204.4	206.2
75°	58.0	66.9	83.9	97.3	107.1	108.0	128.5	157.1	163.3	165.1	166.0
77.5°	46.4	62.5	61.6	78.6	87.5	85.7	100.9	121.4	126.8	126.8	126.8
80°	34.8	49.1	46.4	56.2	64.3	62.5	72.3	86.6	88.4	90.2	89.3
82.5°	25.9	31.2	31.2	35.7	42.8	41.1	48.2	56.2	56.2	56.2	58.0
85°	16.1	17.9	14.3	18.7	24.1	23.2	26.8	30.3	31.2	31.2	29.5
87.5°	9.8	8.0	4.5	7.1	10.7	10.7	12.5	13.4	12.5	12.5	12.5
90°	12.1	8.3	4.6	8.3	12.1	12.9	20.4	30.2	35.1	31.2	23.4
92.5°	81.3	49.9	18.5	49.9	81.3	89.2	125.4	173.7	197.8	173.3	124.5
95°	159.4	101.8	44.4	101.8	159.4	173.8	308.6	488.3	578.1	515.9	391.5
97.5°	178.2	127.4	76.7	127.4	178.2	190.8	415.6	715.3	865.1	825.8	747.1
100°	193.7	147.7	101.7	147.7	193.7	205.2	454.6	787.1	953.4	956.3	962.1
102.5°	208.8	165.8	122.9	165.8	208.8	219.5	472.5	809.8	978.4	1028.6	1128.8
105°	231.7	195.4	159.0	195.4	231.7	240.8	485.8	812.4	975.6	1088.0	1312.7
107.5°	263.8	229.8	195.9	229.8	263.8	272.2	488.3	776.2	920.2	1076.9	1390.3
110°	282.1	251.5	220.9	251.5	282.1	289.7	484.5	744.2	874.0	1049.2	1399.6



TEST NUMBER: P935533

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	303.7	274.6	245.4	274.6	303.7	311.0	484.6	716.1	831.9	1011.2	1369.9
115°	336.2	309.3	282.3	309.3	336.2	342.9	489.2	684.0	781.5	954.2	1299.7
117.5°	367.8	343.4	318.9	343.4	367.8	373.9	498.3	664.0	746.9	902.7	1214.5
120°	386.2	363.2	340.2	363.2	386.2	391.9	505.7	657.2	733.0	875.5	1160.3
122.5°	407.4	384.2	361.0	384.2	407.4	413.2	516.3	653.7	722.4	850.7	1107.2
125°	435.2	414.0	392.8	414.0	435.2	440.4	530.6	650.7	710.8	819.8	1037.7
127.5°	461.4	440.1	418.7	440.1	461.4	466.8	544.9	649.0	701.1	794.6	981.8
130°	478.6	455.6	432.6	455.6	478.6	484.3	555.4	650.1	697.4	780.7	947.2
132.5°	493.0	470.0	446.9	470.0	493.0	498.7	563.9	650.7	694.2	768.7	917.9
135°	510.0	489.2	468.2	489.2	510.0	515.3	573.1	650.1	688.7	751.1	876.0
137.5°	531.4	510.6	489.9	510.6	531.4	536.6	586.9	654.1	687.7	740.4	846.0
140°	546.1	527.0	507.9	527.0	546.1	550.9	595.5	654.8	684.5	730.1	821.3
142.5°	557.1	539.4	521.7	539.4	557.1	561.5	602.5	657.1	684.5	724.5	804.6
145°	573.9	558.4	543.1	558.4	573.9	577.7	611.7	657.1	679.8	712.6	778.1
147.5°	594.3	579.3	564.3	579.3	594.3	598.1	625.3	661.6	679.8	705.6	757.2
150°	605.3	591.7	578.1	591.7	605.3	608.7	632.4	664.0	679.8	701.6	745.2
152.5°	613.1	602.8	592.5	602.8	613.1	615.6	637.1	665.5	679.8	698.4	735.6
155°	628.9	621.4	613.8	621.4	628.9	630.8	647.1	668.9	679.8	694.6	724.2
157.5°	644.2	636.9	629.5	636.9	644.2	646.1	657.3	672.3	679.8	691.3	714.4
160°	651.6	645.8	640.1	645.8	651.6	653.0	662.0	673.8	679.8	689.6	709.4
162.5°	659.4	655.0	650.7	655.0	659.4	660.4	666.9	675.5	679.8	688.1	704.8
165°	670.1	666.2	662.2	666.2	670.1	671.1	674.0	677.9	679.8	685.8	697.7
167.5°	676.6	674.7	672.9	674.7	676.6	677.1	679.6	682.9	684.5	688.4	696.2
170°	683.6	681.7	679.8	681.7	683.6	684.0	684.2	684.4	684.5	688.4	696.2
172.5°	684.4	683.9	683.6	683.9	684.4	684.5	684.5	684.5	684.5	687.5	693.7
175°	688.7	688.7	688.7	688.7	688.7	688.7	687.2	685.4	684.5	686.4	690.3
177.5°	688.7	688.7	688.7	688.7	688.7	688.7	687.6	686.1	685.4	686.9	690.0
180°	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7



TEST NUMBER: P935533

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6
2.5°	910.6	907.9	911.5	901.6	911.5	907.9	910.6	916.8	911.5	915.0	918.6
5°	799.0	794.5	780.2	768.6	780.2	794.5	799.0	817.7	826.7	842.7	864.1
7.5°	714.2	710.6	707.0	699.9	707.0	710.6	714.2	719.5	728.5	742.7	758.8
10°	695.4	696.3	701.7	700.8	701.7	696.3	695.4	693.7	691.0	693.7	703.5
12.5°	743.6	751.7	781.1	779.3	781.1	751.7	743.6	707.9	683.8	679.4	681.2
15°	799.0	801.7	807.9	808.8	807.9	801.7	799.0	784.7	712.4	681.2	671.3
17.5°	804.3	805.2	809.7	809.7	809.7	805.2	804.3	798.1	774.0	732.0	676.7
20°	799.9	801.7	810.6	812.4	810.6	801.7	799.9	791.8	778.5	763.3	721.3
22.5°	798.1	801.7	808.8	807.9	808.8	801.7	798.1	785.6	774.0	763.3	746.3
25°	789.2	789.2	790.1	791.0	790.1	789.2	789.2	779.3	756.1	753.5	743.6
27.5°	770.4	772.2	777.6	776.7	777.6	772.2	770.4	766.8	741.9	739.2	732.0
30°	753.5	751.7	747.2	743.6	747.2	751.7	753.5	748.1	723.1	716.0	717.8
32.5°	724.9	720.4	716.0	713.3	716.0	720.4	724.9	723.1	704.4	694.5	696.3
35°	691.0	691.9	691.0	688.3	691.0	691.9	691.0	692.8	681.2	672.2	671.3
37.5°	666.9	668.7	667.8	664.2	667.8	668.7	666.9	665.1	649.0	646.3	648.1
40°	641.9	642.8	641.9	639.2	641.9	642.8	641.9	638.3	616.0	616.9	623.1
42.5°	617.8	616.9	614.2	612.4	614.2	616.9	617.8	612.4	583.9	581.2	592.8
45°	590.1	591.0	585.6	583.0	585.6	591.0	590.1	586.5	557.1	549.9	558.0
47.5°	562.4	562.4	558.0	555.3	558.0	562.4	562.4	558.0	526.7	519.6	524.1
50°	533.0	532.1	525.8	524.9	525.8	532.1	533.0	530.3	497.3	491.0	491.0
52.5°	499.1	499.1	500.0	501.7	500.0	499.1	499.1	500.0	470.5	464.3	462.5
55°	469.6	470.5	476.7	478.5	476.7	470.5	469.6	469.6	442.8	436.6	433.0
57.5°	439.3	439.3	443.7	443.7	443.7	439.3	439.3	437.5	411.6	406.2	404.4
60°	404.4	406.2	409.8	408.9	409.8	406.2	404.4	402.7	380.3	376.8	370.5
62.5°	367.8	369.6	370.5	368.7	370.5	369.6	367.8	362.5	349.1	346.4	338.4
65°	329.5	331.3	332.1	330.4	332.1	331.3	329.5	326.8	316.9	312.4	305.3
67.5°	290.1	289.2	288.3	291.9	288.3	289.2	290.1	286.5	280.3	276.7	266.9
70°	249.9	249.9	249.0	250.8	249.0	249.9	249.9	247.3	243.7	241.0	232.1
72.5°	207.1	206.2	209.8	207.1	209.8	206.2	207.1	206.2	204.4	201.7	192.8
75°	165.1	166.9	165.1	167.8	165.1	166.9	165.1	166.0	165.1	163.3	157.1
77.5°	125.9	127.6	125.9	125.9	125.9	127.6	125.9	126.8	126.8	126.8	121.4
80°	89.3	88.4	88.4	87.5	88.4	88.4	89.3	89.3	90.2	88.4	86.6
82.5°	57.1	56.2	56.2	58.0	56.2	56.2	57.1	58.0	56.2	56.2	56.2
85°	31.2	32.1	30.3	30.3	30.3	32.1	31.2	29.5	31.2	31.2	30.3
87.5°	11.6	10.7	10.7	10.7	10.7	10.7	11.6	12.5	12.5	12.5	13.4
90°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	23.4	31.2	35.1	30.2
92.5°	87.8	84.4	70.3	56.4	70.3	84.4	87.8	124.5	173.3	197.8	173.7
95°	298.1	287.5	245.2	202.9	245.2	287.5	298.1	391.5	515.9	578.1	488.3
97.5°	688.1	668.0	587.5	507.0	587.5	668.0	688.1	747.1	825.8	865.1	715.3
100°	966.4	942.3	846.5	750.5	846.5	942.3	966.4	962.1	956.3	953.4	787.1
102.5°	1204.0	1183.4	1101.2	1019.1	1101.2	1183.4	1204.0	1128.8	1028.6	978.4	809.8
105°	1481.2	1470.1	1426.0	1381.9	1426.0	1470.1	1481.2	1312.7	1088.0	975.6	812.4
107.5°	1625.4	1628.0	1638.8	1649.5	1638.8	1628.0	1625.4	1390.3	1076.9	920.2	776.2
110°	1662.4	1673.9	1719.9	1765.9	1719.9	1673.9	1662.4	1399.6	1049.2	874.0	744.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1638.9	1656.5	1727.1	1797.8	1727.1	1656.5	1638.9	1369.9	1011.2	831.9	716.1
115°	1558.9	1583.3	1681.3	1779.3	1681.3	1583.3	1558.9	1299.7	954.2	781.5	684.0
117.5°	1448.4	1475.5	1584.2	1692.9	1584.2	1475.5	1448.4	1214.5	902.7	746.9	664.0
120°	1374.0	1400.4	1505.9	1611.5	1505.9	1400.4	1374.0	1160.3	875.5	733.0	657.2
122.5°	1299.6	1325.6	1429.7	1533.9	1429.7	1325.6	1299.6	1107.2	850.7	722.4	653.7
125°	1201.1	1225.1	1321.0	1416.9	1321.0	1225.1	1201.1	1037.7	819.8	710.8	650.7
127.5°	1122.1	1142.4	1223.2	1304.2	1223.2	1142.4	1122.1	981.8	794.6	701.1	649.0
130°	1072.2	1090.9	1165.7	1240.5	1165.7	1090.9	1072.2	947.2	780.7	697.4	650.1
132.5°	1029.7	1046.4	1113.4	1180.3	1113.4	1046.4	1029.7	917.9	768.7	694.2	650.7
135°	969.7	984.1	1041.8	1099.4	1041.8	984.1	969.7	876.0	751.1	688.7	650.1
137.5°	925.2	937.0	984.3	1031.5	984.3	937.0	925.2	846.0	740.4	687.7	654.1
140°	889.7	900.7	944.8	989.0	944.8	900.7	889.7	821.3	730.1	684.5	654.8
142.5°	864.7	874.1	912.2	950.2	912.2	874.1	864.7	804.6	724.5	684.5	657.1
145°	827.3	834.5	863.3	892.0	863.3	834.5	827.3	778.1	712.6	679.8	657.1
147.5°	795.9	801.8	825.6	849.4	825.6	801.8	795.9	757.2	705.6	679.8	661.6
150°	777.8	782.6	802.0	821.3	802.0	782.6	777.8	745.2	701.6	679.8	664.0
152.5°	763.5	767.1	781.7	796.3	781.7	767.1	763.5	735.6	698.4	679.8	665.5
155°	746.4	748.8	758.5	768.1	758.5	748.8	746.4	724.2	694.6	679.8	668.9
157.5°	731.6	733.3	740.1	746.9	740.1	733.3	731.6	714.4	691.3	679.8	672.3
160°	724.2	725.2	729.1	733.0	729.1	725.2	724.2	709.4	689.6	679.8	673.8
162.5°	717.3	718.2	722.0	725.6	722.0	718.2	717.3	704.8	688.1	679.8	675.5
165°	706.6	707.6	711.5	715.4	711.5	707.6	706.6	697.7	685.8	679.8	677.9
167.5°	702.0	702.5	704.1	705.7	704.1	702.5	702.0	696.2	688.4	684.5	682.9
170°	702.0	702.0	702.0	702.0	702.0	702.0	702.0	696.2	688.4	684.5	684.4
172.5°	698.3	697.9	696.5	695.1	696.5	697.9	698.3	693.7	687.5	684.5	684.5
175°	693.2	693.2	693.2	693.2	693.2	693.2	693.2	690.3	686.4	684.5	685.4
177.5°	692.3	691.9	690.3	688.7	690.3	691.9	692.3	690.0	686.9	685.4	686.1
180°	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	943.6	943.6	943.6	943.6	943.6
2.5°	932.0	936.4	939.1	942.7	951.6
5°	896.3	913.2	918.6	932.0	948.1
7.5°	817.7	869.5	883.8	915.9	940.9
10°	741.9	793.6	818.6	894.5	932.0
12.5°	703.5	733.8	750.8	857.0	919.5
15°	679.4	700.8	713.3	807.0	905.2
17.5°	660.6	675.8	684.7	757.9	885.6
20°	649.0	656.2	664.2	722.2	863.3
22.5°	641.0	636.5	642.8	697.2	832.9
25°	635.6	618.7	625.8	677.6	797.2
27.5°	640.1	602.6	605.3	659.7	759.7
30°	641.0	583.0	583.9	641.0	717.8
32.5°	634.7	562.4	563.3	617.8	670.4
35°	619.6	538.3	537.4	591.0	606.2
37.5°	599.0	512.5	512.5	561.5	535.7
40°	574.0	486.6	489.2	523.2	473.2
42.5°	543.7	458.9	462.5	472.3	426.8
45°	510.7	432.1	434.8	399.1	391.1
47.5°	474.1	404.4	405.3	331.3	379.5
50°	430.3	375.9	372.3	283.9	378.6
52.5°	391.9	344.6	333.9	257.1	343.7
55°	354.5	311.5	288.3	236.5	318.8
57.5°	321.4	268.7	246.4	212.4	313.3
60°	291.0	226.7	209.8	186.6	287.4
62.5°	266.0	195.5	191.9	168.7	260.6
65°	239.2	174.1	173.2	153.5	221.4
67.5°	213.3	159.8	158.9	139.2	168.7
70°	185.7	144.6	142.8	124.1	125.0
72.5°	157.1	127.6	125.9	111.6	103.5
75°	128.5	108.0	107.1	97.3	83.9
77.5°	100.9	85.7	87.5	78.6	61.6
80°	72.3	62.5	64.3	56.2	46.4
82.5°	48.2	41.1	42.8	35.7	31.2
85°	26.8	23.2	24.1	18.7	14.3
87.5°	12.5	10.7	10.7	7.1	4.5
90°	20.4	12.9	12.1	8.3	4.6
92.5°	125.4	89.2	81.3	49.9	18.5
95°	308.6	173.8	159.4	101.8	44.4
97.5°	415.6	190.8	178.2	127.4	76.7
100°	454.6	205.2	193.7	147.7	101.7
102.5°	472.5	219.5	208.8	165.8	122.9
105°	485.8	240.8	231.7	195.4	159.0
107.5°	488.3	272.2	263.8	229.8	195.9
110°	484.5	289.7	282.1	251.5	220.9



TEST NUMBER: P935533

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	484.6	311.0	303.7	274.6	245.4
115°	489.2	342.9	336.2	309.3	282.3
117.5°	498.3	373.9	367.8	343.4	318.9
120°	505.7	391.9	386.2	363.2	340.2
122.5°	516.3	413.2	407.4	384.2	361.0
125°	530.6	440.4	435.2	414.0	392.8
127.5°	544.9	466.8	461.4	440.1	418.7
130°	555.4	484.3	478.6	455.6	432.6
132.5°	563.9	498.7	493.0	470.0	446.9
135°	573.1	515.3	510.0	489.2	468.2
137.5°	586.9	536.6	531.4	510.6	489.9
140°	595.5	550.9	546.1	527.0	507.9
142.5°	602.5	561.5	557.1	539.4	521.7
145°	611.7	577.7	573.9	558.4	543.1
147.5°	625.3	598.1	594.3	579.3	564.3
150°	632.4	608.7	605.3	591.7	578.1
152.5°	637.1	615.6	613.1	602.8	592.5
155°	647.1	630.8	628.9	621.4	613.8
157.5°	657.3	646.1	644.2	636.9	629.5
160°	662.0	653.0	651.6	645.8	640.1
162.5°	666.9	660.4	659.4	655.0	650.7
165°	674.0	671.1	670.1	666.2	662.2
167.5°	679.6	677.1	676.6	674.7	672.9
170°	684.2	684.0	683.6	681.7	679.8
172.5°	684.5	684.5	684.4	683.9	683.6
175°	687.2	688.7	688.7	688.7	688.7
177.5°	687.6	688.7	688.7	688.7	688.7
180°	688.7	688.7	688.7	688.7	688.7



TEST NUMBER: P935533

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3500K

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	10.81	11.55	11.88	12.63	14.09	13.61	14.35	14.68	15.43	16.89
	3H	11.28	11.94	12.36	13.03	14.51	14.93	15.60	16.02	16.68	18.17
	4H	11.46	12.10	12.56	13.18	14.67	15.37	16.00	16.46	17.08	18.57
	6H	11.58	12.16	12.68	13.25	14.75	15.64	16.22	16.74	17.31	18.81
	8H	11.57	12.13	12.68	13.23	14.73	15.70	16.26	16.81	17.36	18.86
	12H	11.54	12.07	12.65	13.16	14.68	15.73	16.26	16.84	17.36	18.87
4H	2H	11.82	12.45	12.92	13.54	15.03	14.00	14.64	15.10	15.72	17.21
	3H	12.84	13.36	13.94	14.47	15.98	15.49	16.02	16.60	17.13	18.63
	4H	13.11	13.59	14.22	14.69	16.21	16.00	16.49	17.12	17.59	19.11
	6H	13.23	13.64	14.34	14.76	16.28	16.36	16.77	17.47	17.89	19.41
	8H	13.23	13.62	14.35	14.73	16.26	16.45	16.84	17.57	17.96	19.49
	12H	13.19	13.54	14.33	14.67	16.21	16.50	16.85	17.64	17.98	19.52
8H	4H	13.55	13.93	14.66	15.05	16.58	16.12	16.51	17.24	17.62	19.16
	6H	13.80	14.12	14.94	15.28	16.81	16.54	16.86	17.68	18.02	19.55
	8H	13.84	14.12	14.99	15.26	16.81	16.69	16.97	17.84	18.11	19.66
	12H	13.82	14.07	14.97	15.20	16.79	16.78	17.02	17.93	18.16	19.74
12H	4H	13.55	13.90	14.68	15.02	16.56	16.08	16.43	17.22	17.56	19.09
	6H	13.86	14.14	15.01	15.28	16.83	16.54	16.82	17.69	17.96	19.51
	8H	13.92	14.17	15.07	15.30	16.89	16.69	16.94	17.84	18.07	19.66