

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: P935560

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935560
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-93050-1D-UNV-STD-W-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

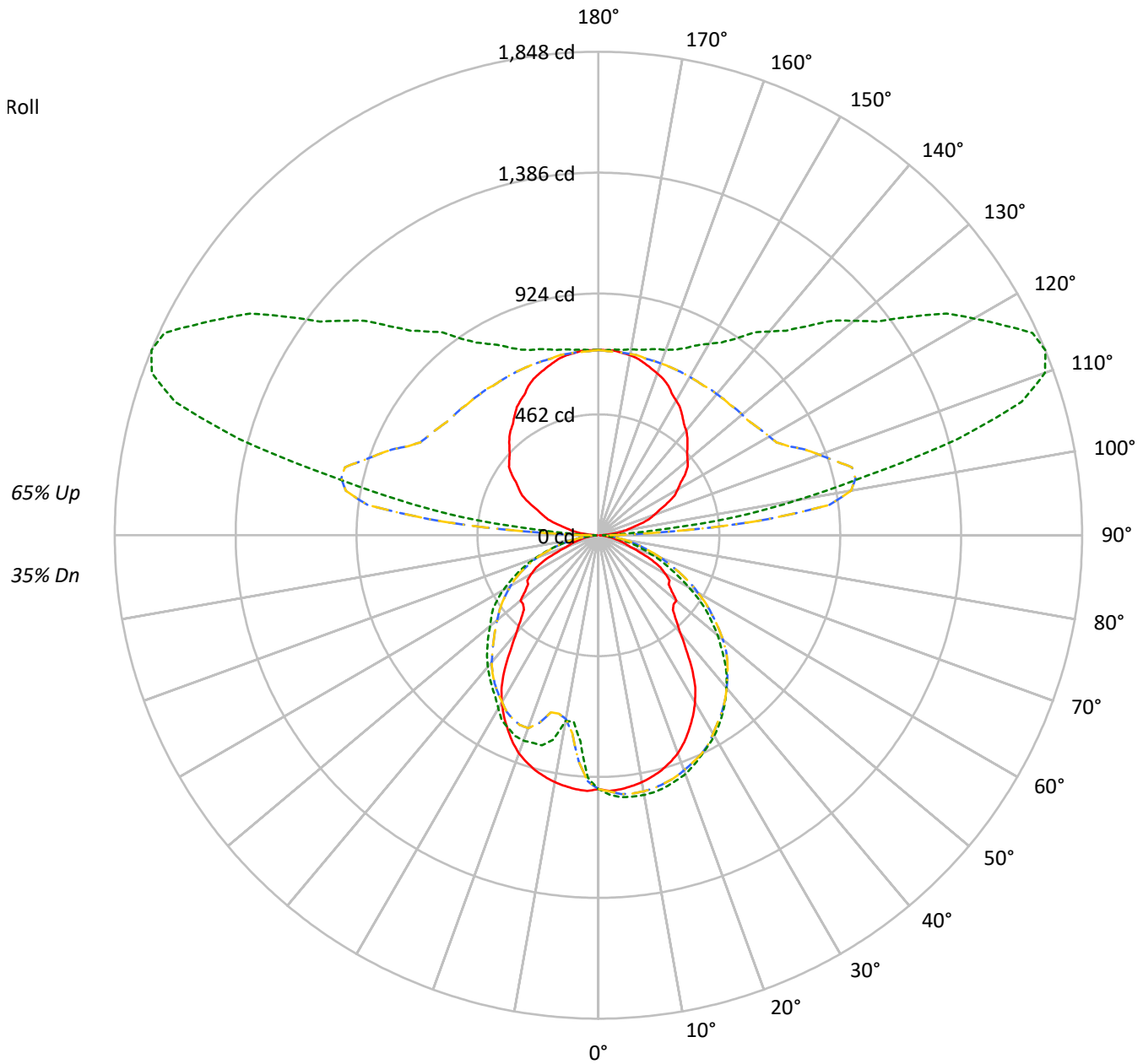
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7107.5 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: 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: P935560
CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-5000K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	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°	9002	9002	9002	9002
5°	9059	9088	9059	7145
10°	8989	8952	8989	6400
15°	8880	8758	8880	7312
20°	8685	8527	8685	7328
25°	8295	8192	8295	7173
30°	7794	7914	7794	6831
35°	6938	7563	6938	6457
40°	5772	7149	5772	6174
45°	5147	6664	5147	5848
50°	5456	6086	5456	5522
55°	5119	5462	5119	5333
60°	5256	4639	5256	4885
65°	4743	3835	4743	4287
70°	3262	3055	3262	3593
75°	2830	2259	2830	2704
80°	2232	1493	2232	1625
85°	1217	791	1217	672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	1.2
10°-20°	248.6	3.5
20°-30°	384.3	5.4
30°-40°	458.8	6.5
40°-50°	461.5	6.5
50°-60°	401.6	5.7
60°-70°	284.7	4.0
70°-80°	150.6	2.1
80°-90°	40.2	0.6
90°-100°	345.1	4.9
100°-110°	907.3	12.8
110°-120°	940.8	13.2
120°-130°	754.6	10.6
130°-140°	592.1	8.3
140°-150°	454.5	6.4
150°-160°	327.3	4.6
160°-170°	200.3	2.8
170°-180°	67.7	1.0
0°-30°	720.6	10.1
0°-40°	1179.4	16.6
0°-60°	2042.5	28.7
0°-90°	2518.1	35.4
90°-120°	2193.1	30.9
90°-150°	3994.3	56.2
90°-180°	4589.0	64.6
0°-180°	7107.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	970	970	970	970	970	
5°	975	1005	975	790	975	92
15°	931	996	931	832	931	262
25°	820	929	820	813	820	376
35°	623	829	623	708	623	386
45°	402	683	402	599	402	322
55°	328	504	328	492	328	301
65°	228	304	228	340	228	218
75°	86	144	86	172	86	91
85°	15	37	15	31	15	20
90°	5	18	5	18	5	5
95°	46	209	46	209	46	51
105°	163	1421	163	1421	163	173
115°	290	1829	290	1829	290	287
125°	404	1457	404	1457	404	359
135°	481	1130	481	1130	481	372
145°	558	917	558	917	558	350
155°	631	790	631	790	631	290
165°	681	736	681	736	681	192
175°	708	713	708	713	708	67
180°	708	708	708	708	708	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1
2.5°	978.4	978.4	984.0	985.8	985.8	983.0	980.3	983.0	991.3	994.0	993.1
5°	974.7	982.1	992.2	994.0	995.9	995.0	993.1	995.0	1004.1	1006.0	1006.9
7.5°	967.3	981.2	994.0	996.8	999.6	996.8	995.9	997.7	1006.9	1008.7	1008.7
10°	958.2	977.4	992.2	994.0	996.8	994.0	994.0	997.7	1006.9	1008.7	1009.6
12.5°	945.3	971.9	985.8	987.6	991.3	990.4	989.5	993.1	1002.3	1004.1	1004.1
15°	930.6	961.8	974.7	976.5	983.0	981.2	981.2	984.9	995.0	997.7	996.8
17.5°	910.4	949.0	963.7	966.4	971.0	970.1	971.0	974.7	984.0	985.8	986.7
20°	887.5	931.6	949.0	951.7	956.3	956.3	956.3	960.9	970.1	973.8	973.8
22.5°	856.3	913.2	931.6	933.4	938.9	938.9	940.7	947.2	955.4	956.3	956.3
25°	819.6	893.0	908.6	914.1	919.6	922.4	925.1	928.8	931.6	930.6	931.6
27.5°	781.1	867.3	887.5	891.2	898.5	901.3	904.9	905.9	906.8	909.5	907.7
30°	737.9	831.5	861.8	865.5	877.4	879.2	875.6	877.4	882.0	883.8	885.7
32.5°	689.3	778.3	835.2	843.5	854.5	849.0	848.0	850.8	858.1	858.1	860.0
35°	623.2	737.0	810.4	817.8	826.0	819.6	823.3	824.2	828.8	831.5	830.6
37.5°	550.7	701.2	784.7	790.2	796.7	788.4	793.9	796.7	800.3	798.5	798.5
40°	486.5	645.2	754.4	758.1	763.6	757.2	762.7	764.5	766.4	764.5	763.6
42.5°	438.7	583.7	722.3	726.9	723.2	727.8	729.7	733.3	730.6	726.9	726.9
45°	402.0	567.2	687.4	693.0	687.4	694.8	697.5	697.5	689.3	687.4	686.5
47.5°	390.1	534.2	652.6	652.6	649.8	659.0	663.6	657.2	648.9	646.1	646.1
50°	389.2	497.5	604.9	601.2	614.0	625.0	620.5	614.0	607.6	597.5	597.5
52.5°	353.4	452.5	543.4	557.1	577.3	583.7	576.4	570.0	559.0	554.4	550.7
55°	327.7	405.7	487.4	514.9	536.0	544.3	530.5	524.1	507.6	504.8	503.0
57.5°	322.1	337.8	436.0	470.9	496.6	495.6	487.4	475.5	461.7	458.9	458.0
60°	295.5	244.1	380.9	422.2	448.8	446.1	438.7	427.7	414.9	413.1	411.2
62.5°	268.0	177.1	318.4	365.3	403.0	402.0	395.6	379.1	369.9	365.3	361.7
65°	227.6	148.7	226.7	303.8	358.0	359.8	346.1	334.1	323.9	318.4	317.5
67.5°	173.4	121.1	153.3	253.3	314.8	312.9	295.5	290.0	277.1	274.4	268.9
70°	128.5	80.8	106.5	205.6	272.6	268.0	254.2	247.8	235.8	229.4	225.8
72.5°	106.5	65.2	78.0	159.7	229.4	223.9	212.0	204.6	194.6	189.0	185.4
75°	86.3	68.8	59.7	118.4	186.3	182.6	171.6	164.3	156.0	148.7	149.6
77.5°	63.3	64.2	47.7	87.2	147.7	142.2	135.8	126.6	123.0	115.6	115.6
80°	47.7	50.5	35.8	59.7	106.5	106.5	100.9	94.5	88.1	84.4	84.4
82.5°	32.1	32.1	26.6	37.6	72.5	69.7	66.1	64.2	60.6	58.7	58.7
85°	14.7	18.4	16.5	22.9	39.5	41.3	41.3	39.5	38.5	36.7	37.6
87.5°	4.6	8.3	10.1	12.8	20.2	21.1	22.0	22.0	22.0	22.9	22.9
90°	4.8	8.5	12.4	13.3	20.9	31.0	36.1	32.0	24.0	18.1	18.1
92.5°	19.0	51.3	83.6	91.7	128.9	178.6	203.4	178.2	128.0	90.3	86.7
95°	45.6	104.7	163.9	178.7	317.2	502.0	594.4	530.4	402.5	306.5	295.6
97.5°	78.8	131.0	183.2	196.2	427.3	735.3	889.4	849.0	768.1	707.5	686.8
100°	104.5	151.9	199.1	211.0	467.4	809.2	980.2	983.1	989.1	993.5	968.8
102.5°	126.4	170.5	214.6	225.7	485.7	832.5	1005.9	1057.5	1160.5	1237.8	1216.7
105°	163.4	200.9	238.2	247.6	499.4	835.2	1003.0	1118.6	1349.6	1522.8	1511.4
107.5°	201.4	236.3	271.2	279.9	502.0	798.0	946.1	1107.2	1429.4	1671.0	1673.8
110°	227.1	258.6	290.0	297.9	498.1	765.1	898.5	1078.7	1438.9	1709.1	1721.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	252.3	282.3	312.2	319.7	498.2	736.3	855.3	1039.7	1408.4	1684.9	1703.1
115°	290.3	318.0	345.7	352.6	502.9	703.2	803.4	981.0	1336.3	1602.7	1627.8
117.5°	327.9	353.0	378.2	384.4	512.3	682.7	767.8	928.1	1248.6	1489.1	1516.9
120°	349.7	373.4	397.1	403.0	519.9	675.7	753.6	900.1	1192.9	1412.6	1439.8
122.5°	371.1	395.0	418.8	424.8	530.8	672.0	742.7	874.6	1138.3	1336.1	1362.9
125°	403.9	425.6	447.4	452.8	545.5	669.0	730.8	842.8	1066.8	1234.9	1259.5
127.5°	430.5	452.4	474.4	479.9	560.2	667.3	720.8	816.9	1009.4	1153.6	1174.5
130°	444.7	468.4	492.1	497.9	571.0	668.4	717.0	802.6	973.9	1102.3	1121.5
132.5°	459.5	483.2	506.8	512.7	579.7	669.0	713.7	790.3	943.7	1058.7	1075.8
135°	481.3	502.9	524.4	529.8	589.2	668.4	708.0	772.2	900.6	996.9	1011.8
137.5°	503.6	524.9	546.3	551.6	603.4	672.5	707.0	761.2	869.8	951.2	963.3
140°	522.2	541.8	561.4	566.4	612.2	673.2	703.7	750.6	844.4	914.7	926.0
142.5°	536.4	554.6	572.7	577.3	619.4	675.6	703.7	744.9	827.2	889.0	898.7
145°	558.3	574.1	590.0	593.9	628.9	675.6	698.9	732.6	800.0	850.5	858.0
147.5°	580.2	595.6	611.0	614.9	642.8	680.2	698.9	725.4	778.5	818.2	824.4
150°	594.4	608.3	622.3	625.8	650.2	682.7	698.9	721.3	766.1	799.7	804.6
152.5°	609.2	619.7	630.3	632.9	655.0	684.2	698.9	718.0	756.3	784.9	788.7
155°	631.0	638.8	646.6	648.5	665.3	687.7	698.9	714.2	744.5	767.4	769.9
157.5°	647.2	654.8	662.3	664.2	675.8	691.2	698.9	710.8	734.4	752.1	753.9
160°	658.1	664.0	669.9	671.4	680.6	692.8	698.9	709.0	729.3	744.5	745.5
162.5°	669.0	673.4	677.9	679.0	685.6	694.5	698.9	707.5	724.6	737.5	738.4
165°	680.8	684.9	688.9	689.9	693.0	696.9	698.9	705.1	717.3	726.4	727.5
167.5°	691.9	693.7	695.6	696.1	698.6	702.0	703.7	707.7	715.7	721.8	722.2
170°	698.9	700.8	702.8	703.2	703.4	703.6	703.7	707.7	715.7	721.8	721.8
172.5°	702.8	703.1	703.6	703.7	703.7	703.7	703.7	706.8	713.1	717.9	717.5
175°	708.0	708.0	708.0	708.0	706.5	704.6	703.7	705.7	709.7	712.7	712.7
177.5°	708.0	708.0	708.0	708.0	706.9	705.3	704.6	706.2	709.4	711.8	711.3
180°	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1
2.5°	995.0	992.2	995.0	993.1	994.0	991.3	983.0	980.3	983.0	985.8	985.8
5°	1006.9	1005.1	1006.9	1006.9	1006.0	1004.1	995.0	993.1	995.0	995.9	994.0
7.5°	1010.6	1007.8	1010.6	1008.7	1008.7	1006.9	997.7	995.9	996.8	999.6	996.8
10°	1010.6	1007.8	1010.6	1009.6	1008.7	1006.9	997.7	994.0	994.0	996.8	994.0
12.5°	1006.0	1004.1	1006.0	1004.1	1004.1	1002.3	993.1	989.5	990.4	991.3	987.6
15°	998.6	995.9	998.6	996.8	997.7	995.0	984.9	981.2	981.2	983.0	976.5
17.5°	987.6	984.0	987.6	986.7	985.8	984.0	974.7	971.0	970.1	971.0	966.4
20°	974.7	971.9	974.7	973.8	973.8	970.1	960.9	956.3	956.3	956.3	951.7
22.5°	954.5	951.7	954.5	956.3	956.3	955.4	947.2	940.7	938.9	938.9	933.4
25°	931.6	928.8	931.6	931.6	930.6	931.6	928.8	925.1	922.4	919.6	914.1
27.5°	909.5	907.7	909.5	907.7	909.5	906.8	905.9	904.9	901.3	898.5	891.2
30°	887.5	885.7	887.5	885.7	883.8	882.0	877.4	875.6	879.2	877.4	865.5
32.5°	860.0	858.1	860.0	860.0	858.1	858.1	850.8	848.0	849.0	854.5	843.5
35°	831.5	828.8	831.5	830.6	831.5	828.8	824.2	823.3	819.6	826.0	817.8
37.5°	798.5	795.7	798.5	798.5	798.5	800.3	796.7	793.9	788.4	796.7	790.2
40°	764.5	760.9	764.5	763.6	764.5	766.4	764.5	762.7	757.2	763.6	758.1
42.5°	726.0	725.1	726.0	726.9	726.9	730.6	733.3	729.7	727.8	723.2	726.9
45°	684.7	682.9	684.7	686.5	687.4	689.3	697.5	697.5	694.8	687.4	693.0
47.5°	640.6	636.1	640.6	646.1	646.1	648.9	657.2	663.6	659.0	649.8	652.6
50°	593.8	594.8	593.8	597.5	597.5	607.6	614.0	620.5	625.0	614.0	601.2
52.5°	548.0	547.0	548.0	550.7	554.4	559.0	570.0	576.4	583.7	577.3	557.1
55°	502.1	503.9	502.1	503.0	504.8	507.6	524.1	530.5	544.3	536.0	514.9
57.5°	456.2	453.4	456.2	458.0	458.9	461.7	475.5	487.4	495.6	496.6	470.9
60°	403.0	399.3	403.0	411.2	413.1	414.9	427.7	438.7	446.1	448.8	422.2
62.5°	356.2	349.7	356.2	361.7	365.3	369.9	379.1	395.6	402.0	403.0	365.3
65°	306.5	303.8	306.5	317.5	318.4	323.9	334.1	346.1	359.8	358.0	303.8
67.5°	261.5	261.5	261.5	268.9	274.4	277.1	290.0	295.5	312.9	314.8	253.3
70°	220.2	219.3	220.2	225.8	229.4	235.8	247.8	254.2	268.0	272.6	205.6
72.5°	180.8	179.9	180.8	185.4	189.0	194.6	204.6	212.0	223.9	229.4	159.7
75°	145.9	144.1	145.9	149.6	148.7	156.0	164.3	171.6	182.6	186.3	118.4
77.5°	112.0	112.0	112.0	115.6	115.6	123.0	126.6	135.8	142.2	147.7	87.2
80°	83.5	82.6	83.5	84.4	84.4	88.1	94.5	100.9	106.5	106.5	59.7
82.5°	58.7	56.9	58.7	58.7	58.7	60.6	64.2	66.1	69.7	72.5	37.6
85°	36.7	36.7	36.7	37.6	36.7	38.5	39.5	41.3	41.3	39.5	22.9
87.5°	23.9	22.9	23.9	22.9	22.9	22.0	22.0	22.0	21.1	20.2	12.8
90°	18.1	18.1	18.1	18.1	18.1	24.0	32.0	36.1	31.0	20.9	13.3
92.5°	72.3	58.0	72.3	86.7	90.3	128.0	178.2	203.4	178.6	128.9	91.7
95°	252.1	208.6	252.1	295.6	306.5	402.5	530.4	594.4	502.0	317.2	178.7
97.5°	604.0	521.3	604.0	686.8	707.5	768.1	849.0	889.4	735.3	427.3	196.2
100°	870.3	771.6	870.3	968.8	993.5	989.1	983.1	980.2	809.2	467.4	211.0
102.5°	1132.2	1047.7	1132.2	1216.7	1237.8	1160.5	1057.5	1005.9	832.5	485.7	225.7
105°	1466.1	1420.7	1466.1	1511.4	1522.8	1349.6	1118.6	1003.0	835.2	499.4	247.6
107.5°	1684.8	1695.8	1684.8	1673.8	1671.0	1429.4	1107.2	946.1	798.0	502.0	279.9
110°	1768.2	1815.5	1768.2	1721.0	1709.1	1438.9	1078.7	898.5	765.1	498.1	297.9



TEST NUMBER: P935560

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1775.6	1848.3	1775.6	1703.1	1684.9	1408.4	1039.7	855.3	736.3	498.2	319.7
115°	1728.6	1829.3	1728.6	1627.8	1602.7	1336.3	981.0	803.4	703.2	502.9	352.6
117.5°	1628.7	1740.4	1628.7	1516.9	1489.1	1248.6	928.1	767.8	682.7	512.3	384.4
120°	1548.2	1656.8	1548.2	1439.8	1412.6	1192.9	900.1	753.6	675.7	519.9	403.0
122.5°	1469.9	1577.0	1469.9	1362.9	1336.1	1138.3	874.6	742.7	672.0	530.8	424.8
125°	1358.1	1456.7	1358.1	1259.5	1234.9	1066.8	842.8	730.8	669.0	545.5	452.8
127.5°	1257.6	1340.8	1257.6	1174.5	1153.6	1009.4	816.9	720.8	667.3	560.2	479.9
130°	1198.4	1275.3	1198.4	1121.5	1102.3	973.9	802.6	717.0	668.4	571.0	497.9
132.5°	1144.6	1213.5	1144.6	1075.8	1058.7	943.7	790.3	713.7	669.0	579.7	512.7
135°	1071.0	1130.3	1071.0	1011.8	996.9	900.6	772.2	708.0	668.4	589.2	529.8
137.5°	1011.9	1060.5	1011.9	963.3	951.2	869.8	761.2	707.0	672.5	603.4	551.6
140°	971.4	1016.8	971.4	926.0	914.7	844.4	750.6	703.7	673.2	612.2	566.4
142.5°	937.8	976.9	937.8	898.7	889.0	827.2	744.9	703.7	675.6	619.4	577.3
145°	887.5	917.1	887.5	858.0	850.5	800.0	732.6	698.9	675.6	628.9	593.9
147.5°	848.8	873.3	848.8	824.4	818.2	778.5	725.4	698.9	680.2	642.8	614.9
150°	824.5	844.4	824.5	804.6	799.7	766.1	721.3	698.9	682.7	650.2	625.8
152.5°	803.6	818.7	803.6	788.7	784.9	756.3	718.0	698.9	684.2	655.0	632.9
155°	779.8	789.7	779.8	769.9	767.4	744.5	714.2	698.9	687.7	665.3	648.5
157.5°	760.9	767.8	760.9	753.9	752.1	734.4	710.8	698.9	691.2	675.8	664.2
160°	749.6	753.6	749.6	745.5	744.5	729.3	709.0	698.9	692.8	680.6	671.4
162.5°	742.2	746.0	742.2	738.4	737.5	724.6	707.5	698.9	694.5	685.6	679.0
165°	731.5	735.5	731.5	727.5	726.4	717.3	705.1	698.9	696.9	693.0	689.9
167.5°	723.9	725.5	723.9	722.2	721.8	715.7	707.7	703.7	702.0	698.6	696.1
170°	721.8	721.8	721.8	721.8	721.8	715.7	707.7	703.7	703.6	703.4	703.2
172.5°	716.1	714.6	716.1	717.5	717.9	713.1	706.8	703.7	703.7	703.7	703.7
175°	712.7	712.7	712.7	712.7	712.7	709.7	705.7	703.7	704.6	706.5	708.0
177.5°	709.7	708.0	709.7	711.3	711.8	709.4	706.2	704.6	705.3	706.9	708.0
180°	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0



TEST NUMBER: P935560

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1
2.5°	984.0	978.4	978.4	969.2	965.5	962.8	958.2	944.4	940.7	937.1	942.6
5°	992.2	982.1	974.7	958.2	944.4	938.9	921.5	888.4	866.4	849.9	840.7
7.5°	994.0	981.2	967.3	941.6	908.6	893.9	840.7	780.1	763.6	748.9	739.8
10°	992.2	977.4	958.2	919.6	841.6	815.9	762.7	723.2	713.1	710.4	713.1
12.5°	985.8	971.9	945.3	881.1	771.9	754.4	723.2	700.3	698.5	703.0	727.8
15°	974.7	961.8	930.6	829.7	733.3	720.5	698.5	690.2	700.3	732.4	806.7
17.5°	963.7	949.0	910.4	779.2	704.0	694.8	679.2	695.7	752.6	795.7	820.5
20°	949.0	931.6	887.5	742.5	682.9	674.6	667.3	741.6	784.7	800.3	814.1
22.5°	931.6	913.2	856.3	716.8	660.8	654.4	659.0	767.3	784.7	795.7	807.7
25°	908.6	893.0	819.6	696.6	643.4	636.1	653.5	764.5	774.6	777.4	801.2
27.5°	887.5	867.3	781.1	678.3	622.3	619.5	658.1	752.6	759.9	762.7	788.4
30°	861.8	831.5	737.9	659.0	600.3	599.3	659.0	737.9	736.1	743.4	769.1
32.5°	835.2	778.3	689.3	635.1	579.2	578.2	652.6	715.9	714.1	724.2	743.4
35°	810.4	737.0	623.2	607.6	552.5	553.5	637.0	690.2	691.1	700.3	712.2
37.5°	784.7	701.2	550.7	577.3	526.8	526.8	615.9	666.3	664.5	667.3	683.8
40°	754.4	645.2	486.5	537.9	503.0	500.2	590.2	640.6	634.2	633.3	656.2
42.5°	722.3	583.7	438.7	485.6	475.5	471.8	559.0	609.4	597.5	600.3	629.6
45°	687.4	567.2	402.0	410.3	447.0	444.3	525.0	573.7	565.4	572.7	603.0
47.5°	652.6	534.2	390.1	340.6	416.7	415.8	487.4	538.8	534.2	541.5	573.7
50°	604.9	497.5	389.2	291.8	382.8	386.4	442.4	504.8	504.8	511.2	545.2
52.5°	543.4	452.5	353.4	264.3	343.3	354.3	403.0	475.5	477.3	483.7	514.0
55°	487.4	405.7	327.7	243.2	296.4	320.3	364.4	445.2	448.8	455.3	482.8
57.5°	436.0	337.8	322.1	218.4	253.3	276.2	330.5	415.8	417.6	423.1	449.8
60°	380.9	244.1	295.5	191.8	215.7	233.1	299.2	380.9	387.4	391.0	414.0
62.5°	318.4	177.1	268.0	173.4	197.3	201.0	273.5	347.9	356.2	358.9	372.7
65°	226.7	148.7	227.6	157.8	178.0	179.0	245.9	313.9	321.2	325.8	336.0
67.5°	153.3	121.1	173.4	143.2	163.3	164.3	219.3	274.4	284.5	288.2	294.6
70°	106.5	80.8	128.5	127.6	146.8	148.7	190.9	238.6	247.8	250.5	254.2
72.5°	78.0	65.2	106.5	114.7	129.4	131.2	161.5	198.2	207.4	210.2	212.0
75°	59.7	68.8	86.3	100.0	110.1	111.0	132.1	161.5	167.9	169.8	170.7
77.5°	47.7	64.2	63.3	80.8	89.9	88.1	103.7	124.8	130.3	130.3	130.3
80°	35.8	50.5	47.7	57.8	66.1	64.2	74.3	89.0	90.9	92.7	91.8
82.5°	26.6	32.1	32.1	36.7	44.0	42.2	49.6	57.8	57.8	57.8	59.7
85°	16.5	18.4	14.7	19.3	24.8	23.9	27.5	31.2	32.1	32.1	30.3
87.5°	10.1	8.3	4.6	7.3	11.0	11.0	12.8	13.8	12.8	12.8	12.8
90°	12.4	8.5	4.8	8.5	12.4	13.3	20.9	31.0	36.1	32.0	24.0
92.5°	83.6	51.3	19.0	51.3	83.6	91.7	128.9	178.6	203.4	178.2	128.0
95°	163.9	104.7	45.6	104.7	163.9	178.7	317.2	502.0	594.4	530.4	402.5
97.5°	183.2	131.0	78.8	131.0	183.2	196.2	427.3	735.3	889.4	849.0	768.1
100°	199.1	151.9	104.5	151.9	199.1	211.0	467.4	809.2	980.2	983.1	989.1
102.5°	214.6	170.5	126.4	170.5	214.6	225.7	485.7	832.5	1005.9	1057.5	1160.5
105°	238.2	200.9	163.4	200.9	238.2	247.6	499.4	835.2	1003.0	1118.6	1349.6
107.5°	271.2	236.3	201.4	236.3	271.2	279.9	502.0	798.0	946.1	1107.2	1429.4
110°	290.0	258.6	227.1	258.6	290.0	297.9	498.1	765.1	898.5	1078.7	1438.9



TEST NUMBER: P935560

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	312.2	282.3	252.3	282.3	312.2	319.7	498.2	736.3	855.3	1039.7	1408.4
115°	345.7	318.0	290.3	318.0	345.7	352.6	502.9	703.2	803.4	981.0	1336.3
117.5°	378.2	353.0	327.9	353.0	378.2	384.4	512.3	682.7	767.8	928.1	1248.6
120°	397.1	373.4	349.7	373.4	397.1	403.0	519.9	675.7	753.6	900.1	1192.9
122.5°	418.8	395.0	371.1	395.0	418.8	424.8	530.8	672.0	742.7	874.6	1138.3
125°	447.4	425.6	403.9	425.6	447.4	452.8	545.5	669.0	730.8	842.8	1066.8
127.5°	474.4	452.4	430.5	452.4	474.4	479.9	560.2	667.3	720.8	816.9	1009.4
130°	492.1	468.4	444.7	468.4	492.1	497.9	571.0	668.4	717.0	802.6	973.9
132.5°	506.8	483.2	459.5	483.2	506.8	512.7	579.7	669.0	713.7	790.3	943.7
135°	524.4	502.9	481.3	502.9	524.4	529.8	589.2	668.4	708.0	772.2	900.6
137.5°	546.3	524.9	503.6	524.9	546.3	551.6	603.4	672.5	707.0	761.2	869.8
140°	561.4	541.8	522.2	541.8	561.4	566.4	612.2	673.2	703.7	750.6	844.4
142.5°	572.7	554.6	536.4	554.6	572.7	577.3	619.4	675.6	703.7	744.9	827.2
145°	590.0	574.1	558.3	574.1	590.0	593.9	628.9	675.6	698.9	732.6	800.0
147.5°	611.0	595.6	580.2	595.6	611.0	614.9	642.8	680.2	698.9	725.4	778.5
150°	622.3	608.3	594.4	608.3	622.3	625.8	650.2	682.7	698.9	721.3	766.1
152.5°	630.3	619.7	609.2	619.7	630.3	632.9	655.0	684.2	698.9	718.0	756.3
155°	646.6	638.8	631.0	638.8	646.6	648.5	665.3	687.7	698.9	714.2	744.5
157.5°	662.3	654.8	647.2	654.8	662.3	664.2	675.8	691.2	698.9	710.8	734.4
160°	669.9	664.0	658.1	664.0	669.9	671.4	680.6	692.8	698.9	709.0	729.3
162.5°	677.9	673.4	669.0	673.4	677.9	679.0	685.6	694.5	698.9	707.5	724.6
165°	688.9	684.9	680.8	684.9	688.9	689.9	693.0	696.9	698.9	705.1	717.3
167.5°	695.6	693.7	691.9	693.7	695.6	696.1	698.6	702.0	703.7	707.7	715.7
170°	702.8	700.8	698.9	700.8	702.8	703.2	703.4	703.6	703.7	707.7	715.7
172.5°	703.6	703.1	702.8	703.1	703.6	703.7	703.7	703.7	703.7	706.8	713.1
175°	708.0	708.0	708.0	708.0	708.0	708.0	706.5	704.6	703.7	705.7	709.7
177.5°	708.0	708.0	708.0	708.0	708.0	708.0	706.9	705.3	704.6	706.2	709.4
180°	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0



TEST NUMBER: P935560
 CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1
2.5°	936.1	933.4	937.1	927.0	937.1	933.4	936.1	942.6	937.1	940.7	944.4
5°	821.4	816.8	802.2	790.2	802.2	816.8	821.4	840.7	849.9	866.4	888.4
7.5°	734.2	730.6	726.9	719.6	726.9	730.6	734.2	739.8	748.9	763.6	780.1
10°	715.0	715.9	721.4	720.5	721.4	715.9	715.0	713.1	710.4	713.1	723.2
12.5°	764.5	772.8	803.1	801.2	803.1	772.8	764.5	727.8	703.0	698.5	700.3
15°	821.4	824.2	830.6	831.5	830.6	824.2	821.4	806.7	732.4	700.3	690.2
17.5°	826.9	827.9	832.4	832.4	832.4	827.9	826.9	820.5	795.7	752.6	695.7
20°	822.3	824.2	833.4	835.2	833.4	824.2	822.3	814.1	800.3	784.7	741.6
22.5°	820.5	824.2	831.5	830.6	831.5	824.2	820.5	807.7	795.7	784.7	767.3
25°	811.3	811.3	812.3	813.2	812.3	811.3	811.3	801.2	777.4	774.6	764.5
27.5°	792.1	793.9	799.4	798.5	799.4	793.9	792.1	788.4	762.7	759.9	752.6
30°	774.6	772.8	768.2	764.5	768.2	772.8	774.6	769.1	743.4	736.1	737.9
32.5°	745.3	740.7	736.1	733.3	736.1	740.7	745.3	743.4	724.2	714.1	715.9
35°	710.4	711.3	710.4	707.6	710.4	711.3	710.4	712.2	700.3	691.1	690.2
37.5°	685.6	687.4	686.5	682.9	686.5	687.4	685.6	683.8	667.3	664.5	666.3
40°	659.9	660.8	659.9	657.2	659.9	660.8	659.9	656.2	633.3	634.2	640.6
42.5°	635.1	634.2	631.5	629.6	631.5	634.2	635.1	629.6	600.3	597.5	609.4
45°	606.7	607.6	602.1	599.3	602.1	607.6	606.7	603.0	572.7	565.4	573.7
47.5°	578.2	578.2	573.7	570.9	573.7	578.2	578.2	573.7	541.5	534.2	538.8
50°	548.0	547.0	540.6	539.7	540.6	547.0	548.0	545.2	511.2	504.8	504.8
52.5°	513.1	513.1	514.0	515.8	514.0	513.1	513.1	514.0	483.7	477.3	475.5
55°	482.8	483.7	490.1	492.0	490.1	483.7	482.8	482.8	455.3	448.8	445.2
57.5°	451.6	451.6	456.2	456.2	456.2	451.6	451.6	449.8	423.1	417.6	415.8
60°	415.8	417.6	421.3	420.4	421.3	417.6	415.8	414.0	391.0	387.4	380.9
62.5°	378.2	380.0	380.9	379.1	380.9	380.0	378.2	372.7	358.9	356.2	347.9
65°	338.7	340.6	341.5	339.6	341.5	340.6	338.7	336.0	325.8	321.2	313.9
67.5°	298.3	297.3	296.4	300.1	296.4	297.3	298.3	294.6	288.2	284.5	274.4
70°	257.0	257.0	256.0	257.9	256.0	257.0	257.0	254.2	250.5	247.8	238.6
72.5°	212.9	212.0	215.7	212.9	215.7	212.0	212.9	212.0	210.2	207.4	198.2
75°	169.8	171.6	169.8	172.5	169.8	171.6	169.8	170.7	169.8	167.9	161.5
77.5°	129.4	131.2	129.4	129.4	129.4	131.2	129.4	130.3	130.3	130.3	124.8
80°	91.8	90.9	90.9	89.9	90.9	90.9	91.8	91.8	92.7	90.9	89.0
82.5°	58.7	57.8	57.8	59.7	57.8	57.8	58.7	59.7	57.8	57.8	57.8
85°	32.1	33.0	31.2	31.2	31.2	33.0	32.1	30.3	32.1	32.1	31.2
87.5°	11.9	11.0	11.0	11.0	11.0	11.0	11.9	12.8	12.8	12.8	13.8
90°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	24.0	32.0	36.1	31.0
92.5°	90.3	86.7	72.3	58.0	72.3	86.7	90.3	128.0	178.2	203.4	178.6
95°	306.5	295.6	252.1	208.6	252.1	295.6	306.5	402.5	530.4	594.4	502.0
97.5°	707.5	686.8	604.0	521.3	604.0	686.8	707.5	768.1	849.0	889.4	735.3
100°	993.5	968.8	870.3	771.6	870.3	968.8	993.5	989.1	983.1	980.2	809.2
102.5°	1237.8	1216.7	1132.2	1047.7	1132.2	1216.7	1237.8	1160.5	1057.5	1005.9	832.5
105°	1522.8	1511.4	1466.1	1420.7	1466.1	1511.4	1522.8	1349.6	1118.6	1003.0	835.2
107.5°	1671.0	1673.8	1684.8	1695.8	1684.8	1673.8	1671.0	1429.4	1107.2	946.1	798.0
110°	1709.1	1721.0	1768.2	1815.5	1768.2	1721.0	1709.1	1438.9	1078.7	898.5	765.1



TEST NUMBER: P935560

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1684.9	1703.1	1775.6	1848.3	1775.6	1703.1	1684.9	1408.4	1039.7	855.3	736.3
115°	1602.7	1627.8	1728.6	1829.3	1728.6	1627.8	1602.7	1336.3	981.0	803.4	703.2
117.5°	1489.1	1516.9	1628.7	1740.4	1628.7	1516.9	1489.1	1248.6	928.1	767.8	682.7
120°	1412.6	1439.8	1548.2	1656.8	1548.2	1439.8	1412.6	1192.9	900.1	753.6	675.7
122.5°	1336.1	1362.9	1469.9	1577.0	1469.9	1362.9	1336.1	1138.3	874.6	742.7	672.0
125°	1234.9	1259.5	1358.1	1456.7	1358.1	1259.5	1234.9	1066.8	842.8	730.8	669.0
127.5°	1153.6	1174.5	1257.6	1340.8	1257.6	1174.5	1153.6	1009.4	816.9	720.8	667.3
130°	1102.3	1121.5	1198.4	1275.3	1198.4	1121.5	1102.3	973.9	802.6	717.0	668.4
132.5°	1058.7	1075.8	1144.6	1213.5	1144.6	1075.8	1058.7	943.7	790.3	713.7	669.0
135°	996.9	1011.8	1071.0	1130.3	1071.0	1011.8	996.9	900.6	772.2	708.0	668.4
137.5°	951.2	963.3	1011.9	1060.5	1011.9	963.3	951.2	869.8	761.2	707.0	672.5
140°	914.7	926.0	971.4	1016.8	971.4	926.0	914.7	844.4	750.6	703.7	673.2
142.5°	889.0	898.7	937.8	976.9	937.8	898.7	889.0	827.2	744.9	703.7	675.6
145°	850.5	858.0	887.5	917.1	887.5	858.0	850.5	800.0	732.6	698.9	675.6
147.5°	818.2	824.4	848.8	873.3	848.8	824.4	818.2	778.5	725.4	698.9	680.2
150°	799.7	804.6	824.5	844.4	824.5	804.6	799.7	766.1	721.3	698.9	682.7
152.5°	784.9	788.7	803.6	818.7	803.6	788.7	784.9	756.3	718.0	698.9	684.2
155°	767.4	769.9	779.8	789.7	779.8	769.9	767.4	744.5	714.2	698.9	687.7
157.5°	752.1	753.9	760.9	767.8	760.9	753.9	752.1	734.4	710.8	698.9	691.2
160°	744.5	745.5	749.6	753.6	749.6	745.5	744.5	729.3	709.0	698.9	692.8
162.5°	737.5	738.4	742.2	746.0	742.2	738.4	737.5	724.6	707.5	698.9	694.5
165°	726.4	727.5	731.5	735.5	731.5	727.5	726.4	717.3	705.1	698.9	696.9
167.5°	721.8	722.2	723.9	725.5	723.9	722.2	721.8	715.7	707.7	703.7	702.0
170°	721.8	721.8	721.8	721.8	721.8	721.8	721.8	715.7	707.7	703.7	703.6
172.5°	717.9	717.5	716.1	714.6	716.1	717.5	717.9	713.1	706.8	703.7	703.7
175°	712.7	712.7	712.7	712.7	712.7	712.7	712.7	709.7	705.7	703.7	704.6
177.5°	711.8	711.3	709.7	708.0	709.7	711.3	711.8	709.4	706.2	704.6	705.3
180°	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	970.1	970.1	970.1	970.1	970.1
2.5°	958.2	962.8	965.5	969.2	978.4
5°	921.5	938.9	944.4	958.2	974.7
7.5°	840.7	893.9	908.6	941.6	967.3
10°	762.7	815.9	841.6	919.6	958.2
12.5°	723.2	754.4	771.9	881.1	945.3
15°	698.5	720.5	733.3	829.7	930.6
17.5°	679.2	694.8	704.0	779.2	910.4
20°	667.3	674.6	682.9	742.5	887.5
22.5°	659.0	654.4	660.8	716.8	856.3
25°	653.5	636.1	643.4	696.6	819.6
27.5°	658.1	619.5	622.3	678.3	781.1
30°	659.0	599.3	600.3	659.0	737.9
32.5°	652.6	578.2	579.2	635.1	689.3
35°	637.0	553.5	552.5	607.6	623.2
37.5°	615.9	526.8	526.8	577.3	550.7
40°	590.2	500.2	503.0	537.9	486.5
42.5°	559.0	471.8	475.5	485.6	438.7
45°	525.0	444.3	447.0	410.3	402.0
47.5°	487.4	415.8	416.7	340.6	390.1
50°	442.4	386.4	382.8	291.8	389.2
52.5°	403.0	354.3	343.3	264.3	353.4
55°	364.4	320.3	296.4	243.2	327.7
57.5°	330.5	276.2	253.3	218.4	322.1
60°	299.2	233.1	215.7	191.8	295.5
62.5°	273.5	201.0	197.3	173.4	268.0
65°	245.9	179.0	178.0	157.8	227.6
67.5°	219.3	164.3	163.3	143.2	173.4
70°	190.9	148.7	146.8	127.6	128.5
72.5°	161.5	131.2	129.4	114.7	106.5
75°	132.1	111.0	110.1	100.0	86.3
77.5°	103.7	88.1	89.9	80.8	63.3
80°	74.3	64.2	66.1	57.8	47.7
82.5°	49.6	42.2	44.0	36.7	32.1
85°	27.5	23.9	24.8	19.3	14.7
87.5°	12.8	11.0	11.0	7.3	4.6
90°	20.9	13.3	12.4	8.5	4.8
92.5°	128.9	91.7	83.6	51.3	19.0
95°	317.2	178.7	163.9	104.7	45.6
97.5°	427.3	196.2	183.2	131.0	78.8
100°	467.4	211.0	199.1	151.9	104.5
102.5°	485.7	225.7	214.6	170.5	126.4
105°	499.4	247.6	238.2	200.9	163.4
107.5°	502.0	279.9	271.2	236.3	201.4
110°	498.1	297.9	290.0	258.6	227.1



TEST NUMBER: P935560

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	498.2	319.7	312.2	282.3	252.3
115°	502.9	352.6	345.7	318.0	290.3
117.5°	512.3	384.4	378.2	353.0	327.9
120°	519.9	403.0	397.1	373.4	349.7
122.5°	530.8	424.8	418.8	395.0	371.1
125°	545.5	452.8	447.4	425.6	403.9
127.5°	560.2	479.9	474.4	452.4	430.5
130°	571.0	497.9	492.1	468.4	444.7
132.5°	579.7	512.7	506.8	483.2	459.5
135°	589.2	529.8	524.4	502.9	481.3
137.5°	603.4	551.6	546.3	524.9	503.6
140°	612.2	566.4	561.4	541.8	522.2
142.5°	619.4	577.3	572.7	554.6	536.4
145°	628.9	593.9	590.0	574.1	558.3
147.5°	642.8	614.9	611.0	595.6	580.2
150°	650.2	625.8	622.3	608.3	594.4
152.5°	655.0	632.9	630.3	619.7	609.2
155°	665.3	648.5	646.6	638.8	631.0
157.5°	675.8	664.2	662.3	654.8	647.2
160°	680.6	671.4	669.9	664.0	658.1
162.5°	685.6	679.0	677.9	673.4	669.0
165°	693.0	689.9	688.9	684.9	680.8
167.5°	698.6	696.1	695.6	693.7	691.9
170°	703.4	703.2	702.8	700.8	698.9
172.5°	703.7	703.7	703.6	703.1	702.8
175°	706.5	708.0	708.0	708.0	708.0
177.5°	706.9	708.0	708.0	708.0	708.0
180°	708.0	708.0	708.0	708.0	708.0



TEST NUMBER: P935560
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.91	11.65	11.98	12.72	14.19	13.70	14.45	14.78	15.52	16.99
	3H	11.37	12.04	12.46	13.12	14.61	15.03	15.70	16.11	16.78	18.26
	4H	11.56	12.19	12.65	13.28	14.77	15.46	16.09	16.56	17.18	18.67
	6H	11.67	12.25	12.78	13.34	14.84	15.73	16.31	16.84	17.40	18.90
	8H	11.67	12.22	12.78	13.33	14.82	15.80	16.35	16.91	17.46	18.95
	12H	11.64	12.16	12.75	13.26	14.78	15.83	16.36	16.94	17.45	18.97
4H	2H	11.92	12.55	13.02	13.63	15.12	14.10	14.73	15.20	15.82	17.31
	3H	12.93	13.46	14.04	14.57	16.07	15.58	16.11	16.69	17.22	18.72
	4H	13.20	13.69	14.32	14.79	16.31	16.10	16.58	17.21	17.69	19.21
	6H	13.32	13.74	14.44	14.86	16.38	16.45	16.87	17.57	17.99	19.51
	8H	13.33	13.71	14.44	14.83	16.36	16.55	16.94	17.67	18.05	19.59
	12H	13.29	13.64	14.42	14.77	16.30	16.60	16.95	17.73	18.08	19.61
8H	4H	13.64	14.03	14.76	15.15	16.68	16.22	16.60	17.34	17.72	19.25
	6H	13.90	14.22	15.04	15.38	16.90	16.64	16.96	17.78	18.12	19.65
	8H	13.94	14.22	15.09	15.36	16.91	16.79	17.07	17.93	18.20	19.75
	12H	13.92	14.16	15.07	15.30	16.88	16.87	17.12	18.02	18.25	19.84
12H	4H	13.64	13.99	14.78	15.12	16.66	16.18	16.53	17.31	17.65	19.19
	6H	13.96	14.24	15.10	15.38	16.92	16.64	16.92	17.78	18.05	19.60
	8H	14.02	14.26	15.17	15.40	16.98	16.79	17.03	17.94	18.17	19.75