

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: P935658

Luminaire Tested: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935658
REPORT IS A COMBINATION OF REPORTS P933762 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

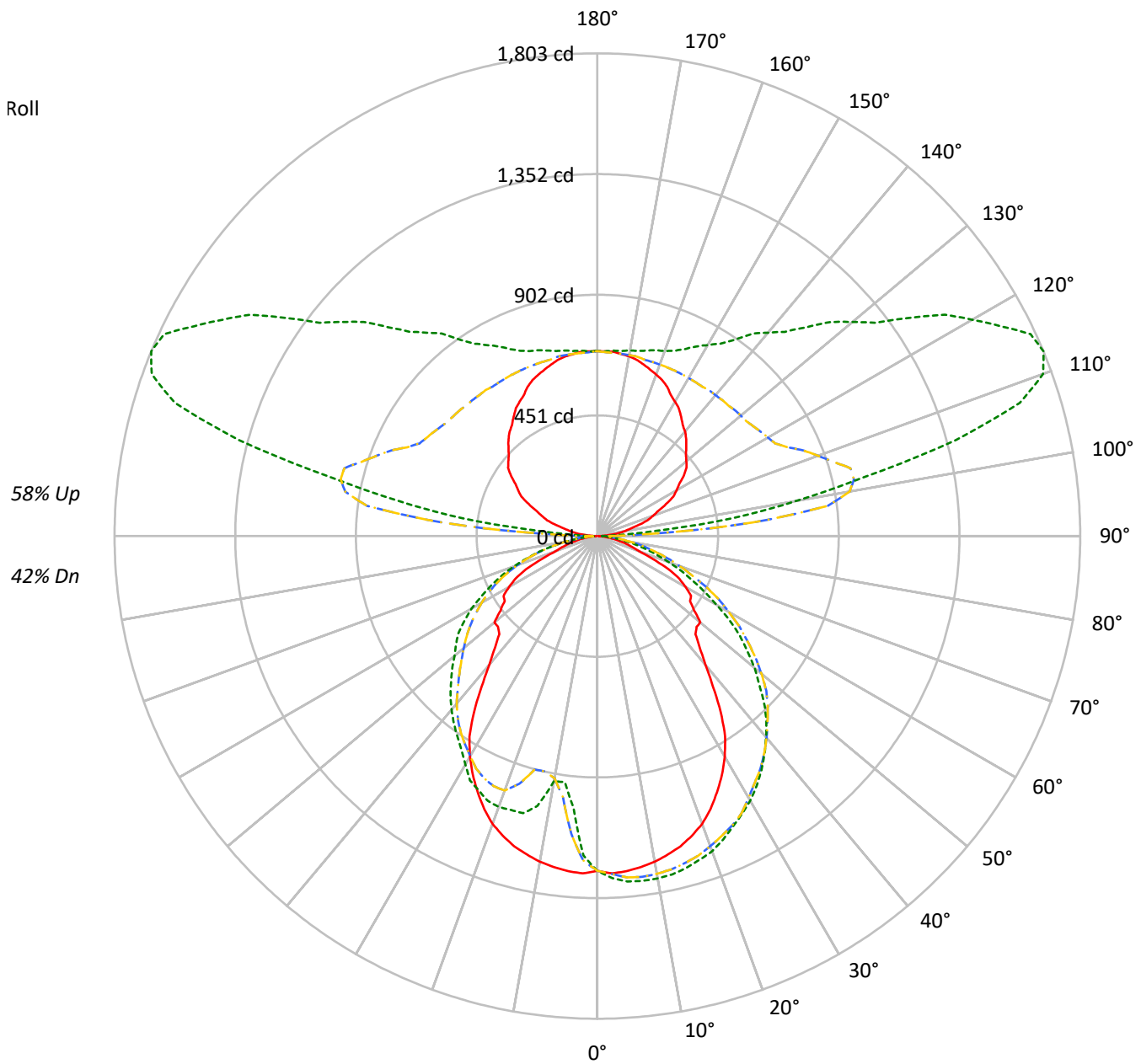
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7722.1 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11602	11602	11602	11602
5°	11676	11712	11676	9209
10°	11586	11536	11586	8248
15°	11445	11286	11445	9425
20°	11194	10991	11194	9444
25°	10691	10559	10691	9245
30°	10046	10200	10046	8805
35°	8942	9747	8942	8323
40°	7439	9213	7439	7957
45°	6633	8588	6633	7538
50°	7032	7843	7032	7117
55°	6596	7040	6596	6873
60°	6776	5978	6776	6295
65°	6114	4942	6114	5525
70°	4204	3938	4204	4631
75°	3647	2911	3647	3487
80°	2878	1926	2878	2095
85°	1565	1019	1565	866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10186 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	1.5
10°-20°	320.5	4.1
20°-30°	495.4	6.4
30°-40°	591.4	7.7
40°-50°	594.8	7.7
50°-60°	517.6	6.7
60°-70°	367.0	4.8
70°-80°	194.1	2.5
80°-90°	51.0	0.7
90°-100°	336.7	4.4
100°-110°	885.2	11.5
110°-120°	917.8	11.9
120°-130°	736.2	9.5
130°-140°	577.7	7.5
140°-150°	443.4	5.7
150°-160°	319.3	4.1
160°-170°	195.4	2.5
170°-180°	66.0	0.9
0°-30°	928.7	12.0
0°-40°	1520.1	19.7
0°-60°	2632.5	34.1
0°-90°	3244.6	42.0
90°-120°	2139.6	27.7
90°-150°	3896.9	50.5
90°-180°	4478.0	58.0
0°-180°	7722.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1250	1250	1250	1250	1250	
5°	1256	1295	1256	1018	1256	119
15°	1199	1283	1199	1072	1199	337
25°	1056	1197	1056	1048	1056	485
35°	803	1068	803	912	803	497
45°	518	880	518	772	518	415
55°	422	650	422	634	422	388
65°	293	392	293	438	293	280
75°	111	186	111	222	111	117
85°	19	47	19	40	19	26
90°	5	18	5	18	5	5
95°	44	204	44	204	44	49
105°	160	1386	160	1386	160	169
115°	283	1785	283	1785	283	280
125°	394	1421	394	1421	394	350
135°	470	1103	470	1103	470	363
145°	545	895	545	895	545	341
155°	616	770	616	770	616	283
165°	664	718	664	718	664	187
175°	691	695	691	695	691	66
180°	691	691	691	691	691	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3
2.5°	1261.0	1261.0	1268.1	1270.4	1270.4	1266.9	1263.4	1266.9	1277.5	1281.1	1279.9
5°	1256.3	1265.7	1278.8	1281.1	1283.4	1282.3	1279.9	1282.3	1294.1	1296.5	1297.7
7.5°	1246.8	1264.5	1281.1	1284.7	1288.2	1284.7	1283.4	1285.8	1297.7	1300.0	1300.0
10°	1235.0	1259.8	1278.8	1281.1	1284.7	1281.1	1281.1	1285.8	1297.7	1300.0	1301.2
12.5°	1218.4	1252.7	1270.4	1272.9	1277.5	1276.4	1275.2	1279.9	1291.8	1294.1	1294.1
15°	1199.4	1239.7	1256.3	1258.6	1266.9	1264.5	1264.5	1269.3	1282.3	1285.8	1284.7
17.5°	1173.5	1223.2	1242.1	1245.6	1251.6	1250.3	1251.6	1256.3	1268.1	1270.4	1271.6
20°	1143.9	1200.7	1223.2	1226.7	1232.6	1232.6	1232.6	1238.5	1250.3	1255.0	1255.0
22.5°	1103.7	1177.0	1200.7	1203.0	1210.1	1210.1	1212.5	1220.8	1231.4	1232.6	1232.6
25°	1056.4	1151.0	1171.1	1178.2	1185.3	1188.8	1192.4	1197.1	1200.7	1199.4	1200.7
27.5°	1006.7	1117.9	1143.9	1148.6	1158.1	1161.7	1166.3	1167.6	1168.7	1172.2	1169.9
30°	951.1	1071.7	1110.7	1115.5	1130.9	1133.2	1128.5	1130.9	1136.8	1139.2	1141.5
32.5°	888.3	1003.1	1076.4	1087.1	1101.3	1094.2	1093.0	1096.6	1106.1	1106.1	1108.4
35°	803.2	949.9	1044.6	1054.0	1064.6	1056.4	1061.0	1062.3	1068.2	1071.7	1070.5
37.5°	709.7	903.7	1011.4	1018.5	1026.7	1016.1	1023.3	1026.7	1031.5	1029.2	1029.2
40°	627.0	831.6	972.4	977.1	984.2	975.9	983.0	985.4	987.7	985.4	984.2
42.5°	565.5	752.3	930.9	936.9	932.1	938.0	940.4	945.2	941.6	936.9	936.9
45°	518.1	731.0	886.0	893.1	886.0	895.5	899.0	899.0	888.3	886.0	884.8
47.5°	502.7	688.5	841.1	841.1	837.5	849.3	855.3	847.0	836.3	832.8	832.8
50°	501.6	641.1	779.5	774.8	791.4	805.6	799.7	791.4	783.1	770.1	770.1
52.5°	455.4	583.2	700.3	718.0	744.1	752.3	742.8	734.6	720.4	714.5	709.7
55°	422.3	522.9	628.2	663.6	690.8	701.5	683.7	675.4	654.1	650.6	648.2
57.5°	415.2	435.3	561.9	606.8	640.0	638.8	628.2	612.8	595.0	591.4	590.3
60°	380.9	314.6	490.9	544.2	578.5	574.9	565.5	551.2	534.7	532.4	529.9
62.5°	345.4	228.3	410.5	470.8	519.3	518.1	509.9	488.6	476.8	470.8	466.1
65°	293.4	191.6	292.1	391.5	461.4	463.7	446.0	430.6	417.6	410.5	409.2
67.5°	223.6	156.1	197.5	326.5	405.8	403.3	380.9	373.8	357.2	353.6	346.6
70°	165.6	104.1	137.3	265.0	351.3	345.4	327.7	319.4	304.0	295.7	291.0
72.5°	137.3	84.0	100.5	205.8	295.7	288.6	273.2	263.8	250.8	243.7	239.0
75°	111.2	88.7	76.9	152.6	240.1	235.4	221.2	211.7	201.1	191.6	192.9
77.5°	81.7	82.8	61.5	112.4	190.4	183.4	175.0	163.2	158.5	149.1	149.1
80°	61.5	65.1	46.1	76.9	137.3	137.3	130.1	121.9	113.5	108.9	108.9
82.5°	41.4	41.4	34.3	48.5	93.5	89.9	85.1	82.8	78.1	75.7	75.7
85°	18.9	23.6	21.3	29.5	50.9	53.3	53.3	50.9	49.7	47.3	48.5
87.5°	5.9	10.7	13.0	16.6	26.1	27.2	28.4	28.4	28.4	29.5	29.5
90°	4.7	8.3	12.1	13.0	20.4	30.3	35.2	31.2	23.5	17.6	17.6
92.5°	18.5	50.0	81.6	89.4	125.8	174.2	198.4	173.9	124.9	88.1	84.6
95°	44.5	102.2	159.9	174.3	309.5	489.7	579.9	517.5	392.7	299.0	288.4
97.5°	76.9	127.8	178.7	191.4	416.9	717.4	867.7	828.3	749.4	690.2	670.1
100°	102.0	148.2	194.3	205.8	456.0	789.5	956.3	959.1	965.0	969.3	945.2
102.5°	123.3	166.3	209.4	220.2	473.9	812.2	981.4	1031.7	1132.2	1207.6	1187.0
105°	159.5	196.0	232.4	241.6	487.2	814.8	978.6	1091.3	1316.6	1485.7	1474.6
107.5°	196.5	230.5	264.6	273.1	489.7	778.6	923.0	1080.2	1394.5	1630.3	1633.0
110°	221.6	252.3	282.9	290.6	486.0	746.4	876.6	1052.3	1403.8	1667.4	1679.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	246.1	275.4	304.6	311.9	486.1	718.3	834.4	1014.3	1374.0	1643.8	1661.5
115°	283.2	310.2	337.3	344.0	490.6	686.1	783.8	957.1	1303.7	1563.6	1588.1
117.5°	319.9	344.4	369.0	375.0	499.8	666.0	749.1	905.4	1218.2	1452.7	1480.0
120°	341.2	364.3	387.4	393.1	507.2	659.2	735.2	878.1	1163.8	1378.2	1404.7
122.5°	362.1	385.3	408.6	414.4	517.8	655.6	724.6	853.2	1110.5	1303.5	1329.6
125°	394.0	415.2	436.5	441.7	532.2	652.7	712.9	822.3	1040.8	1204.7	1228.8
127.5°	420.0	441.4	462.8	468.2	546.5	651.0	703.2	797.0	984.8	1125.5	1145.8
130°	433.9	457.0	480.1	485.8	557.1	652.1	699.5	783.0	950.1	1075.4	1094.2
132.5°	448.3	471.4	494.5	500.2	565.6	652.7	696.3	771.0	920.6	1032.8	1049.6
135°	469.6	490.6	511.6	516.9	574.8	652.1	690.7	753.4	878.7	972.6	987.1
137.5°	491.3	512.1	533.0	538.2	588.7	656.1	689.7	742.7	848.6	928.0	939.8
140°	509.4	528.6	547.8	552.6	597.3	656.8	686.5	732.3	823.8	892.4	903.5
142.5°	523.3	541.0	558.8	563.2	604.3	659.1	686.5	726.7	807.0	867.3	876.8
145°	544.7	560.1	575.6	579.4	613.6	659.1	681.9	714.7	780.4	829.8	837.0
147.5°	566.0	581.1	596.1	599.9	627.2	663.6	681.9	707.7	759.5	798.3	804.3
150°	579.9	593.5	607.1	610.5	634.3	666.0	681.9	703.7	747.4	780.2	785.0
152.5°	594.3	604.6	614.9	617.5	639.0	667.5	681.9	700.5	737.8	765.8	769.4
155°	615.6	623.2	630.8	632.7	649.1	670.9	681.9	696.7	726.4	748.7	751.1
157.5°	631.4	638.8	646.1	648.0	659.3	674.3	681.9	693.4	716.5	733.8	735.5
160°	642.0	647.8	653.6	655.0	664.0	675.9	681.9	691.7	711.5	726.4	727.4
162.5°	652.7	657.0	661.4	662.4	668.9	677.6	681.9	690.2	706.9	719.5	720.4
165°	664.2	668.2	672.1	673.1	676.1	679.9	681.9	687.9	699.8	708.7	709.7
167.5°	675.0	676.8	678.6	679.1	681.6	684.9	686.5	690.5	698.3	704.2	704.6
170°	681.9	683.7	685.6	686.1	686.3	686.4	686.5	690.5	698.3	704.2	704.2
172.5°	685.6	686.0	686.4	686.5	686.5	686.5	686.5	689.6	695.7	700.4	700.0
175°	690.7	690.7	690.7	690.7	689.3	687.4	686.5	688.5	692.3	695.3	695.3
177.5°	690.7	690.7	690.7	690.7	689.7	688.1	687.4	688.9	692.1	694.4	694.0
180°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3
2.5°	1282.3	1278.8	1282.3	1279.9	1281.1	1277.5	1266.9	1263.4	1266.9	1270.4	1270.4
5°	1297.7	1295.3	1297.7	1297.7	1296.5	1294.1	1282.3	1279.9	1282.3	1283.4	1281.1
7.5°	1302.4	1298.8	1302.4	1300.0	1300.0	1297.7	1285.8	1283.4	1284.7	1288.2	1284.7
10°	1302.4	1298.8	1302.4	1301.2	1300.0	1297.7	1285.8	1281.1	1281.1	1284.7	1281.1
12.5°	1296.5	1294.1	1296.5	1294.1	1294.1	1291.8	1279.9	1275.2	1276.4	1277.5	1272.9
15°	1287.0	1283.4	1287.0	1284.7	1285.8	1282.3	1269.3	1264.5	1264.5	1266.9	1258.6
17.5°	1272.9	1268.1	1272.9	1271.6	1270.4	1268.1	1256.3	1251.6	1250.3	1251.6	1245.6
20°	1256.3	1252.7	1256.3	1255.0	1255.0	1250.3	1238.5	1232.6	1232.6	1232.6	1226.7
22.5°	1230.2	1226.7	1230.2	1232.6	1232.6	1231.4	1220.8	1212.5	1210.1	1210.1	1203.0
25°	1200.7	1197.1	1200.7	1200.7	1199.4	1200.7	1197.1	1192.4	1188.8	1185.3	1178.2
27.5°	1172.2	1169.9	1172.2	1169.9	1172.2	1168.7	1167.6	1166.3	1161.7	1158.1	1148.6
30°	1143.9	1141.5	1143.9	1141.5	1139.2	1136.8	1130.9	1128.5	1133.2	1130.9	1115.5
32.5°	1108.4	1106.1	1108.4	1108.4	1106.1	1106.1	1096.6	1093.0	1094.2	1101.3	1087.1
35°	1071.7	1068.2	1071.7	1070.5	1071.7	1068.2	1062.3	1061.0	1056.4	1064.6	1054.0
37.5°	1029.2	1025.6	1029.2	1029.2	1029.2	1031.5	1026.7	1023.3	1016.1	1026.7	1018.5
40°	985.4	980.6	985.4	984.2	985.4	987.7	985.4	983.0	975.9	984.2	977.1
42.5°	935.7	934.5	935.7	936.9	936.9	941.6	945.2	940.4	938.0	932.1	936.9
45°	882.4	880.1	882.4	884.8	886.0	888.3	899.0	899.0	895.5	886.0	893.1
47.5°	825.7	819.7	825.7	832.8	832.8	836.3	847.0	855.3	849.3	837.5	841.1
50°	765.3	766.6	765.3	770.1	770.1	783.1	791.4	799.7	805.6	791.4	774.8
52.5°	706.2	705.1	706.2	709.7	714.5	720.4	734.6	742.8	752.3	744.1	718.0
55°	647.0	649.5	647.0	648.2	650.6	654.1	675.4	683.7	701.5	690.8	663.6
57.5°	588.0	584.4	588.0	590.3	591.4	595.0	612.8	628.2	638.8	640.0	606.8
60°	519.3	514.5	519.3	529.9	532.4	534.7	551.2	565.5	574.9	578.5	544.2
62.5°	458.9	450.7	458.9	466.1	470.8	476.8	488.6	509.9	518.1	519.3	470.8
65°	395.1	391.5	395.1	409.2	410.5	417.6	430.6	446.0	463.7	461.4	391.5
67.5°	337.2	337.2	337.2	346.6	353.6	357.2	373.8	380.9	403.3	405.8	326.5
70°	283.9	282.7	283.9	291.0	295.7	304.0	319.4	327.7	345.4	351.3	265.0
72.5°	233.0	231.9	233.0	239.0	243.7	250.8	263.8	273.2	288.6	295.7	205.8
75°	188.1	185.7	188.1	192.9	191.6	201.1	211.7	221.2	235.4	240.1	152.6
77.5°	144.3	144.3	144.3	149.1	149.1	158.5	163.2	175.0	183.4	190.4	112.4
80°	107.6	106.5	107.6	108.9	108.9	113.5	121.9	130.1	137.3	137.3	76.9
82.5°	75.7	73.3	75.7	75.7	75.7	78.1	82.8	85.1	89.9	93.5	48.5
85°	47.3	47.3	47.3	48.5	47.3	49.7	50.9	53.3	53.3	50.9	29.5
87.5°	30.8	29.5	30.8	29.5	29.5	28.4	28.4	28.4	27.2	26.1	16.6
90°	17.6	17.6	17.6	17.6	17.6	23.5	31.2	35.2	30.3	20.4	13.0
92.5°	70.6	56.6	70.6	84.6	88.1	124.9	173.9	198.4	174.2	125.8	89.4
95°	245.9	203.5	245.9	288.4	299.0	392.7	517.5	579.9	489.7	309.5	174.3
97.5°	589.3	508.5	589.3	670.1	690.2	749.4	828.3	867.7	717.4	416.9	191.4
100°	849.0	752.8	849.0	945.2	969.3	965.0	959.1	956.3	789.5	456.0	205.8
102.5°	1104.5	1022.2	1104.5	1187.0	1207.6	1132.2	1031.7	981.4	812.2	473.9	220.2
105°	1430.4	1386.0	1430.4	1474.6	1485.7	1316.6	1091.3	978.6	814.8	487.2	241.6
107.5°	1643.7	1654.4	1643.7	1633.0	1630.3	1394.5	1080.2	923.0	778.6	489.7	273.1
110°	1725.1	1771.2	1725.1	1679.0	1667.4	1403.8	1052.3	876.6	746.4	486.0	290.6



TEST NUMBER: P935658

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1732.3	1803.2	1732.3	1661.5	1643.8	1374.0	1014.3	834.4	718.3	486.1	311.9
115°	1686.4	1784.7	1686.4	1588.1	1563.6	1303.7	957.1	783.8	686.1	490.6	344.0
117.5°	1589.0	1698.0	1589.0	1480.0	1452.7	1218.2	905.4	749.1	666.0	499.8	375.0
120°	1510.5	1616.4	1510.5	1404.7	1378.2	1163.8	878.1	735.2	659.2	507.2	393.1
122.5°	1434.0	1538.5	1434.0	1329.6	1303.5	1110.5	853.2	724.6	655.6	517.8	414.4
125°	1325.0	1421.2	1325.0	1228.8	1204.7	1040.8	822.3	712.9	652.7	532.2	441.7
127.5°	1226.9	1308.1	1226.9	1145.8	1125.5	984.8	797.0	703.2	651.0	546.5	468.2
130°	1169.2	1244.2	1169.2	1094.2	1075.4	950.1	783.0	699.5	652.1	557.1	485.8
132.5°	1116.7	1183.9	1116.7	1049.6	1032.8	920.6	771.0	696.3	652.7	565.6	500.2
135°	1044.9	1102.8	1044.9	987.1	972.6	878.7	753.4	690.7	652.1	574.8	516.9
137.5°	987.3	1034.6	987.3	939.8	928.0	848.6	742.7	689.7	656.1	588.7	538.2
140°	947.7	992.0	947.7	903.5	892.4	823.8	732.3	686.5	656.8	597.3	552.6
142.5°	914.9	953.1	914.9	876.8	867.3	807.0	726.7	686.5	659.1	604.3	563.2
145°	865.9	894.7	865.9	837.0	829.8	780.4	714.7	681.9	659.1	613.6	579.4
147.5°	828.1	852.0	828.1	804.3	798.3	759.5	707.7	681.9	663.6	627.2	599.9
150°	804.4	823.8	804.4	785.0	780.2	747.4	703.7	681.9	666.0	634.3	610.5
152.5°	784.0	798.7	784.0	769.4	765.8	737.8	700.5	681.9	667.5	639.0	617.5
155°	760.7	770.4	760.7	751.1	748.7	726.4	696.7	681.9	670.9	649.1	632.7
157.5°	742.3	749.1	742.3	735.5	733.8	716.5	693.4	681.9	674.3	659.3	648.0
160°	731.3	735.2	731.3	727.4	726.4	711.5	691.7	681.9	675.9	664.0	655.0
162.5°	724.1	727.8	724.1	720.4	719.5	706.9	690.2	681.9	677.6	668.9	662.4
165°	713.7	717.6	713.7	709.7	708.7	699.8	687.9	681.9	679.9	676.1	673.1
167.5°	706.2	707.8	706.2	704.6	704.2	698.3	690.5	686.5	684.9	681.6	679.1
170°	704.2	704.2	704.2	704.2	704.2	698.3	690.5	686.5	686.4	686.3	686.1
172.5°	698.6	697.2	698.6	700.0	700.4	695.7	689.6	686.5	686.5	686.5	686.5
175°	695.3	695.3	695.3	695.3	695.3	692.3	688.5	686.5	687.4	689.3	690.7
177.5°	692.3	690.7	692.3	694.0	694.4	692.1	688.9	687.4	688.1	689.7	690.7
180°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7



TEST NUMBER: P935658

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3
2.5°	1268.1	1261.0	1261.0	1249.1	1244.4	1240.9	1235.0	1217.3	1212.5	1207.8	1214.8
5°	1278.8	1265.7	1256.3	1235.0	1217.3	1210.1	1187.6	1145.1	1116.6	1095.4	1083.6
7.5°	1281.1	1264.5	1246.8	1213.7	1171.1	1152.2	1083.6	1005.5	984.2	965.2	953.4
10°	1278.8	1259.8	1235.0	1185.3	1084.8	1051.6	983.0	932.1	919.1	915.5	919.1
12.5°	1270.4	1252.7	1218.4	1135.6	994.9	972.4	932.1	902.6	900.2	906.1	938.0
15°	1256.3	1239.7	1199.4	1069.4	945.2	928.6	900.2	889.6	902.6	943.9	1039.8
17.5°	1242.1	1223.2	1173.5	1004.3	907.3	895.5	875.3	896.7	970.0	1025.6	1057.5
20°	1223.2	1200.7	1143.9	957.0	880.1	869.4	859.9	955.8	1011.4	1031.5	1049.2
22.5°	1200.7	1177.0	1103.7	923.9	851.7	843.4	849.3	989.0	1011.4	1025.6	1041.0
25°	1171.1	1151.0	1056.4	897.8	829.2	819.7	842.2	985.4	998.4	1001.9	1032.7
27.5°	1143.9	1117.9	1006.7	874.2	802.0	798.4	848.1	970.0	979.5	983.0	1016.1
30°	1110.7	1071.7	951.1	849.3	773.6	772.5	849.3	951.1	948.7	958.2	991.3
32.5°	1076.4	1003.1	888.3	818.6	746.4	745.3	841.1	922.7	920.3	933.4	958.2
35°	1044.6	949.9	803.2	783.1	712.1	713.3	820.9	889.6	890.7	902.6	918.0
37.5°	1011.4	903.7	709.7	744.1	679.0	679.0	793.7	858.8	856.5	859.9	881.3
40°	972.4	831.6	627.0	693.2	648.2	644.7	760.7	825.7	817.4	816.3	845.8
42.5°	930.9	752.3	565.5	625.7	612.8	608.0	720.4	785.5	770.1	773.6	811.5
45°	886.0	731.0	518.1	528.8	576.0	572.6	676.6	739.3	728.7	738.2	777.2
47.5°	841.1	688.5	502.7	438.9	537.0	535.8	628.2	694.4	688.5	697.9	739.3
50°	779.5	641.1	501.6	376.2	493.3	498.0	570.1	650.6	650.6	658.9	702.6
52.5°	700.3	583.2	455.4	340.7	442.4	456.6	519.3	612.8	615.1	623.4	662.4
55°	628.2	522.9	422.3	313.4	382.1	412.8	469.6	573.7	578.5	586.7	622.2
57.5°	561.9	435.3	415.2	281.6	326.5	356.1	425.8	535.8	538.3	545.3	579.6
60°	490.9	314.6	380.9	247.2	278.0	300.5	385.6	490.9	499.2	503.9	533.5
62.5°	410.5	228.3	345.4	223.6	254.4	259.1	352.5	448.3	458.9	462.5	480.2
65°	292.1	191.6	293.4	203.5	229.5	230.6	317.0	404.6	414.0	419.9	433.0
67.5°	197.5	156.1	223.6	184.5	210.6	211.7	282.7	353.6	366.7	371.5	379.7
70°	137.3	104.1	165.6	164.5	189.3	191.6	246.0	307.5	319.4	322.9	327.7
72.5°	100.5	84.0	137.3	147.9	166.8	169.1	208.2	255.5	267.3	270.9	273.2
75°	76.9	88.7	111.2	128.9	141.9	143.2	170.4	208.2	216.5	218.8	220.0
77.5°	61.5	82.8	81.7	104.1	115.9	113.5	133.7	160.9	168.0	168.0	168.0
80°	46.1	65.1	61.5	74.5	85.1	82.8	95.8	114.8	117.1	119.4	118.3
82.5°	34.3	41.4	41.4	47.3	56.8	54.4	63.8	74.5	74.5	74.5	76.9
85°	21.3	23.6	18.9	24.8	32.0	30.8	35.5	40.2	41.4	41.4	39.0
87.5°	13.0	10.7	5.9	9.5	14.2	14.2	16.6	17.7	16.6	16.6	16.6
90°	12.1	8.3	4.7	8.3	12.1	13.0	20.4	30.3	35.2	31.2	23.5
92.5°	81.6	50.0	18.5	50.0	81.6	89.4	125.8	174.2	198.4	173.9	124.9
95°	159.9	102.2	44.5	102.2	159.9	174.3	309.5	489.7	579.9	517.5	392.7
97.5°	178.7	127.8	76.9	127.8	178.7	191.4	416.9	717.4	867.7	828.3	749.4
100°	194.3	148.2	102.0	148.2	194.3	205.8	456.0	789.5	956.3	959.1	965.0
102.5°	209.4	166.3	123.3	166.3	209.4	220.2	473.9	812.2	981.4	1031.7	1132.2
105°	232.4	196.0	159.5	196.0	232.4	241.6	487.2	814.8	978.6	1091.3	1316.6
107.5°	264.6	230.5	196.5	230.5	264.6	273.1	489.7	778.6	923.0	1080.2	1394.5
110°	282.9	252.3	221.6	252.3	282.9	290.6	486.0	746.4	876.6	1052.3	1403.8



TEST NUMBER: P935658

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	304.6	275.4	246.1	275.4	304.6	311.9	486.1	718.3	834.4	1014.3	1374.0
115°	337.3	310.2	283.2	310.2	337.3	344.0	490.6	686.1	783.8	957.1	1303.7
117.5°	369.0	344.4	319.9	344.4	369.0	375.0	499.8	666.0	749.1	905.4	1218.2
120°	387.4	364.3	341.2	364.3	387.4	393.1	507.2	659.2	735.2	878.1	1163.8
122.5°	408.6	385.3	362.1	385.3	408.6	414.4	517.8	655.6	724.6	853.2	1110.5
125°	436.5	415.2	394.0	415.2	436.5	441.7	532.2	652.7	712.9	822.3	1040.8
127.5°	462.8	441.4	420.0	441.4	462.8	468.2	546.5	651.0	703.2	797.0	984.8
130°	480.1	457.0	433.9	457.0	480.1	485.8	557.1	652.1	699.5	783.0	950.1
132.5°	494.5	471.4	448.3	471.4	494.5	500.2	565.6	652.7	696.3	771.0	920.6
135°	511.6	490.6	469.6	490.6	511.6	516.9	574.8	652.1	690.7	753.4	878.7
137.5°	533.0	512.1	491.3	512.1	533.0	538.2	588.7	656.1	689.7	742.7	848.6
140°	547.8	528.6	509.4	528.6	547.8	552.6	597.3	656.8	686.5	732.3	823.8
142.5°	558.8	541.0	523.3	541.0	558.8	563.2	604.3	659.1	686.5	726.7	807.0
145°	575.6	560.1	544.7	560.1	575.6	579.4	613.6	659.1	681.9	714.7	780.4
147.5°	596.1	581.1	566.0	581.1	596.1	599.9	627.2	663.6	681.9	707.7	759.5
150°	607.1	593.5	579.9	593.5	607.1	610.5	634.3	666.0	681.9	703.7	747.4
152.5°	614.9	604.6	594.3	604.6	614.9	617.5	639.0	667.5	681.9	700.5	737.8
155°	630.8	623.2	615.6	623.2	630.8	632.7	649.1	670.9	681.9	696.7	726.4
157.5°	646.1	638.8	631.4	638.8	646.1	648.0	659.3	674.3	681.9	693.4	716.5
160°	653.6	647.8	642.0	647.8	653.6	655.0	664.0	675.9	681.9	691.7	711.5
162.5°	661.4	657.0	652.7	657.0	661.4	662.4	668.9	677.6	681.9	690.2	706.9
165°	672.1	668.2	664.2	668.2	672.1	673.1	676.1	679.9	681.9	687.9	699.8
167.5°	678.6	676.8	675.0	676.8	678.6	679.1	681.6	684.9	686.5	690.5	698.3
170°	685.6	683.7	681.9	683.7	685.6	686.1	686.3	686.4	686.5	690.5	698.3
172.5°	686.4	686.0	685.6	686.0	686.4	686.5	686.5	686.5	686.5	689.6	695.7
175°	690.7	690.7	690.7	690.7	690.7	690.7	689.3	687.4	686.5	688.5	692.3
177.5°	690.7	690.7	690.7	690.7	690.7	690.7	689.7	688.1	687.4	688.9	692.1
180°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7



TEST NUMBER: P935658

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3	1250.3
2.5°	1206.6	1203.0	1207.8	1194.7	1207.8	1203.0	1206.6	1214.8	1207.8	1212.5	1217.3
5°	1058.7	1052.8	1033.9	1018.5	1033.9	1052.8	1058.7	1083.6	1095.4	1116.6	1145.1
7.5°	946.3	941.6	936.9	927.4	936.9	941.6	946.3	953.4	965.2	984.2	1005.5
10°	921.5	922.7	929.8	928.6	929.8	922.7	921.5	919.1	915.5	919.1	932.1
12.5°	985.4	996.0	1035.1	1032.7	1035.1	996.0	985.4	938.0	906.1	900.2	902.6
15°	1058.7	1062.3	1070.5	1071.7	1070.5	1062.3	1058.7	1039.8	943.9	902.6	889.6
17.5°	1065.8	1067.0	1072.9	1072.9	1072.9	1067.0	1065.8	1057.5	1025.6	970.0	896.7
20°	1059.9	1062.3	1074.1	1076.4	1074.1	1062.3	1059.9	1049.2	1031.5	1011.4	955.8
22.5°	1057.5	1062.3	1071.7	1070.5	1071.7	1062.3	1057.5	1041.0	1025.6	1011.4	989.0
25°	1045.7	1045.7	1046.9	1048.1	1046.9	1045.7	1045.7	1032.7	1001.9	998.4	985.4
27.5°	1020.8	1023.3	1030.3	1029.2	1030.3	1023.3	1020.8	1016.1	983.0	979.5	970.0
30°	998.4	996.0	990.1	985.4	990.1	996.0	998.4	991.3	958.2	948.7	951.1
32.5°	960.5	954.6	948.7	945.2	948.7	954.6	960.5	958.2	933.4	920.3	922.7
35°	915.5	916.8	915.5	912.1	915.5	916.8	915.5	918.0	902.6	890.7	889.6
37.5°	883.7	886.0	884.8	880.1	884.8	886.0	883.7	881.3	859.9	856.5	858.8
40°	850.5	851.7	850.5	847.0	850.5	851.7	850.5	845.8	816.3	817.4	825.7
42.5°	818.6	817.4	813.8	811.5	813.8	817.4	818.6	811.5	773.6	770.1	785.5
45°	781.9	783.1	776.0	772.5	776.0	783.1	781.9	777.2	738.2	728.7	739.3
47.5°	745.3	745.3	739.3	735.8	739.3	745.3	745.3	739.3	697.9	688.5	694.4
50°	706.2	705.1	696.7	695.6	696.7	705.1	706.2	702.6	658.9	650.6	650.6
52.5°	661.3	661.3	662.4	664.8	662.4	661.3	661.3	662.4	623.4	615.1	612.8
55°	622.2	623.4	631.6	634.1	631.6	623.4	622.2	622.2	586.7	578.5	573.7
57.5°	582.0	582.0	588.0	588.0	588.0	582.0	582.0	579.6	545.3	538.3	535.8
60°	535.8	538.3	542.9	541.8	542.9	538.3	535.8	533.5	503.9	499.2	490.9
62.5°	487.3	489.7	490.9	488.6	490.9	489.7	487.3	480.2	462.5	458.9	448.3
65°	436.5	438.9	440.0	437.7	440.0	438.9	436.5	433.0	419.9	414.0	404.6
67.5°	384.4	383.3	382.1	386.8	382.1	383.3	384.4	379.7	371.5	366.7	353.6
70°	331.2	331.2	330.0	332.4	330.0	331.2	331.2	327.7	322.9	319.4	307.5
72.5°	274.4	273.2	278.0	274.4	278.0	273.2	274.4	273.2	270.9	267.3	255.5
75°	218.8	221.2	218.8	222.4	218.8	221.2	218.8	220.0	218.8	216.5	208.2
77.5°	166.8	169.1	166.8	166.8	166.8	169.1	166.8	168.0	168.0	168.0	160.9
80°	118.3	117.1	117.1	115.9	117.1	117.1	118.3	118.3	119.4	117.1	114.8
82.5°	75.7	74.5	74.5	76.9	74.5	74.5	75.7	76.9	74.5	74.5	74.5
85°	41.4	42.6	40.2	40.2	40.2	42.6	41.4	39.0	41.4	41.4	40.2
87.5°	15.4	14.2	14.2	14.2	14.2	14.2	15.4	16.6	16.6	16.6	17.7
90°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	23.5	31.2	35.2	30.3
92.5°	88.1	84.6	70.6	56.6	70.6	84.6	88.1	124.9	173.9	198.4	174.2
95°	299.0	288.4	245.9	203.5	245.9	288.4	299.0	392.7	517.5	579.9	489.7
97.5°	690.2	670.1	589.3	508.5	589.3	670.1	690.2	749.4	828.3	867.7	717.4
100°	969.3	945.2	849.0	752.8	849.0	945.2	969.3	965.0	959.1	956.3	789.5
102.5°	1207.6	1187.0	1104.5	1022.2	1104.5	1187.0	1207.6	1132.2	1031.7	981.4	812.2
105°	1485.7	1474.6	1430.4	1386.0	1430.4	1474.6	1485.7	1316.6	1091.3	978.6	814.8
107.5°	1630.3	1633.0	1643.7	1654.4	1643.7	1633.0	1630.3	1394.5	1080.2	923.0	778.6
110°	1667.4	1679.0	1725.1	1771.2	1725.1	1679.0	1667.4	1403.8	1052.3	876.6	746.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1643.8	1661.5	1732.3	1803.2	1732.3	1661.5	1643.8	1374.0	1014.3	834.4	718.3
115°	1563.6	1588.1	1686.4	1784.7	1686.4	1588.1	1563.6	1303.7	957.1	783.8	686.1
117.5°	1452.7	1480.0	1589.0	1698.0	1589.0	1480.0	1452.7	1218.2	905.4	749.1	666.0
120°	1378.2	1404.7	1510.5	1616.4	1510.5	1404.7	1378.2	1163.8	878.1	735.2	659.2
122.5°	1303.5	1329.6	1434.0	1538.5	1434.0	1329.6	1303.5	1110.5	853.2	724.6	655.6
125°	1204.7	1228.8	1325.0	1421.2	1325.0	1228.8	1204.7	1040.8	822.3	712.9	652.7
127.5°	1125.5	1145.8	1226.9	1308.1	1226.9	1145.8	1125.5	984.8	797.0	703.2	651.0
130°	1075.4	1094.2	1169.2	1244.2	1169.2	1094.2	1075.4	950.1	783.0	699.5	652.1
132.5°	1032.8	1049.6	1116.7	1183.9	1116.7	1049.6	1032.8	920.6	771.0	696.3	652.7
135°	972.6	987.1	1044.9	1102.8	1044.9	987.1	972.6	878.7	753.4	690.7	652.1
137.5°	928.0	939.8	987.3	1034.6	987.3	939.8	928.0	848.6	742.7	689.7	656.1
140°	892.4	903.5	947.7	992.0	947.7	903.5	892.4	823.8	732.3	686.5	656.8
142.5°	867.3	876.8	914.9	953.1	914.9	876.8	867.3	807.0	726.7	686.5	659.1
145°	829.8	837.0	865.9	894.7	865.9	837.0	829.8	780.4	714.7	681.9	659.1
147.5°	798.3	804.3	828.1	852.0	828.1	804.3	798.3	759.5	707.7	681.9	663.6
150°	780.2	785.0	804.4	823.8	804.4	785.0	780.2	747.4	703.7	681.9	666.0
152.5°	765.8	769.4	784.0	798.7	784.0	769.4	765.8	737.8	700.5	681.9	667.5
155°	748.7	751.1	760.7	770.4	760.7	751.1	748.7	726.4	696.7	681.9	670.9
157.5°	733.8	735.5	742.3	749.1	742.3	735.5	733.8	716.5	693.4	681.9	674.3
160°	726.4	727.4	731.3	735.2	731.3	727.4	726.4	711.5	691.7	681.9	675.9
162.5°	719.5	720.4	724.1	727.8	724.1	720.4	719.5	706.9	690.2	681.9	677.6
165°	708.7	709.7	713.7	717.6	713.7	709.7	708.7	699.8	687.9	681.9	679.9
167.5°	704.2	704.6	706.2	707.8	706.2	704.6	704.2	698.3	690.5	686.5	684.9
170°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	698.3	690.5	686.5	686.4
172.5°	700.4	700.0	698.6	697.2	698.6	700.0	700.4	695.7	689.6	686.5	686.5
175°	695.3	695.3	695.3	695.3	695.3	695.3	695.3	692.3	688.5	686.5	687.4
177.5°	694.4	694.0	692.3	690.7	692.3	694.0	694.4	692.1	688.9	687.4	688.1
180°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1250.3	1250.3	1250.3	1250.3	1250.3
2.5°	1235.0	1240.9	1244.4	1249.1	1261.0
5°	1187.6	1210.1	1217.3	1235.0	1256.3
7.5°	1083.6	1152.2	1171.1	1213.7	1246.8
10°	983.0	1051.6	1084.8	1185.3	1235.0
12.5°	932.1	972.4	994.9	1135.6	1218.4
15°	900.2	928.6	945.2	1069.4	1199.4
17.5°	875.3	895.5	907.3	1004.3	1173.5
20°	859.9	869.4	880.1	957.0	1143.9
22.5°	849.3	843.4	851.7	923.9	1103.7
25°	842.2	819.7	829.2	897.8	1056.4
27.5°	848.1	798.4	802.0	874.2	1006.7
30°	849.3	772.5	773.6	849.3	951.1
32.5°	841.1	745.3	746.4	818.6	888.3
35°	820.9	713.3	712.1	783.1	803.2
37.5°	793.7	679.0	679.0	744.1	709.7
40°	760.7	644.7	648.2	693.2	627.0
42.5°	720.4	608.0	612.8	625.7	565.5
45°	676.6	572.6	576.0	528.8	518.1
47.5°	628.2	535.8	537.0	438.9	502.7
50°	570.1	498.0	493.3	376.2	501.6
52.5°	519.3	456.6	442.4	340.7	455.4
55°	469.6	412.8	382.1	313.4	422.3
57.5°	425.8	356.1	326.5	281.6	415.2
60°	385.6	300.5	278.0	247.2	380.9
62.5°	352.5	259.1	254.4	223.6	345.4
65°	317.0	230.6	229.5	203.5	293.4
67.5°	282.7	211.7	210.6	184.5	223.6
70°	246.0	191.6	189.3	164.5	165.6
72.5°	208.2	169.1	166.8	147.9	137.3
75°	170.4	143.2	141.9	128.9	111.2
77.5°	133.7	113.5	115.9	104.1	81.7
80°	95.8	82.8	85.1	74.5	61.5
82.5°	63.8	54.4	56.8	47.3	41.4
85°	35.5	30.8	32.0	24.8	18.9
87.5°	16.6	14.2	14.2	9.5	5.9
90°	20.4	13.0	12.1	8.3	4.7
92.5°	125.8	89.4	81.6	50.0	18.5
95°	309.5	174.3	159.9	102.2	44.5
97.5°	416.9	191.4	178.7	127.8	76.9
100°	456.0	205.8	194.3	148.2	102.0
102.5°	473.9	220.2	209.4	166.3	123.3
105°	487.2	241.6	232.4	196.0	159.5
107.5°	489.7	273.1	264.6	230.5	196.5
110°	486.0	290.6	282.9	252.3	221.6



TEST NUMBER: P935658

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	486.1	311.9	304.6	275.4	246.1
115°	490.6	344.0	337.3	310.2	283.2
117.5°	499.8	375.0	369.0	344.4	319.9
120°	507.2	393.1	387.4	364.3	341.2
122.5°	517.8	414.4	408.6	385.3	362.1
125°	532.2	441.7	436.5	415.2	394.0
127.5°	546.5	468.2	462.8	441.4	420.0
130°	557.1	485.8	480.1	457.0	433.9
132.5°	565.6	500.2	494.5	471.4	448.3
135°	574.8	516.9	511.6	490.6	469.6
137.5°	588.7	538.2	533.0	512.1	491.3
140°	597.3	552.6	547.8	528.6	509.4
142.5°	604.3	563.2	558.8	541.0	523.3
145°	613.6	579.4	575.6	560.1	544.7
147.5°	627.2	599.9	596.1	581.1	566.0
150°	634.3	610.5	607.1	593.5	579.9
152.5°	639.0	617.5	614.9	604.6	594.3
155°	649.1	632.7	630.8	623.2	615.6
157.5°	659.3	648.0	646.1	638.8	631.4
160°	664.0	655.0	653.6	647.8	642.0
162.5°	668.9	662.4	661.4	657.0	652.7
165°	676.1	673.1	672.1	668.2	664.2
167.5°	681.6	679.1	678.6	676.8	675.0
170°	686.3	686.1	685.6	683.7	681.9
172.5°	686.5	686.5	686.4	686.0	685.6
175°	689.3	690.7	690.7	690.7	690.7
177.5°	689.7	690.7	690.7	690.7	690.7
180°	690.7	690.7	690.7	690.7	690.7



TEST NUMBER: P935658
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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	12.52	13.32	13.55	14.35	15.73	15.32	16.12	16.34	17.15	18.53
	3H	13.00	13.71	14.03	14.75	16.15	16.65	17.36	17.69	18.40	19.80
	4H	13.18	13.86	14.23	14.90	16.31	17.09	17.76	18.13	18.80	20.21
	6H	13.30	13.92	14.36	14.97	16.39	17.36	17.98	18.42	19.03	20.45
	8H	13.30	13.89	14.36	14.95	16.37	17.43	18.02	18.49	19.08	20.50
	12H	13.27	13.83	14.33	14.89	16.32	17.46	18.02	18.53	19.08	20.52
4H	2H	13.54	14.21	14.59	15.26	16.66	15.72	16.40	16.78	17.44	18.85
	3H	14.56	15.12	15.62	16.19	17.61	17.21	17.78	18.27	18.85	20.27
	4H	14.83	15.35	15.90	16.41	17.85	17.73	18.25	18.80	19.31	20.75
	6H	14.96	15.40	16.03	16.48	17.92	18.09	18.53	19.16	19.61	21.05
	8H	14.96	15.37	16.04	16.45	17.90	18.19	18.60	19.26	19.68	21.13
	12H	14.92	15.30	16.02	16.39	17.85	18.23	18.61	19.33	19.70	21.16
8H	4H	15.28	15.69	16.35	16.77	18.22	17.85	18.26	18.93	19.34	20.80
	6H	15.54	15.88	16.63	17.00	18.45	18.28	18.62	19.38	19.74	21.19
	8H	15.58	15.88	16.68	16.98	18.45	18.42	18.72	19.53	19.82	21.29
	12H	15.56	15.82	16.67	16.92	18.43	18.51	18.78	19.62	19.87	21.38
12H	4H	15.28	15.65	16.37	16.74	18.20	17.81	18.19	18.91	19.28	20.74
	6H	15.59	15.89	16.70	17.00	18.47	18.27	18.57	19.38	19.68	21.15
	8H	15.66	15.92	16.77	17.02	18.53	18.43	18.69	19.54	19.79	21.30