

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: P935659

Luminaire Tested: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-4000K

Issue Date: 12/17/2024

**Test Information**

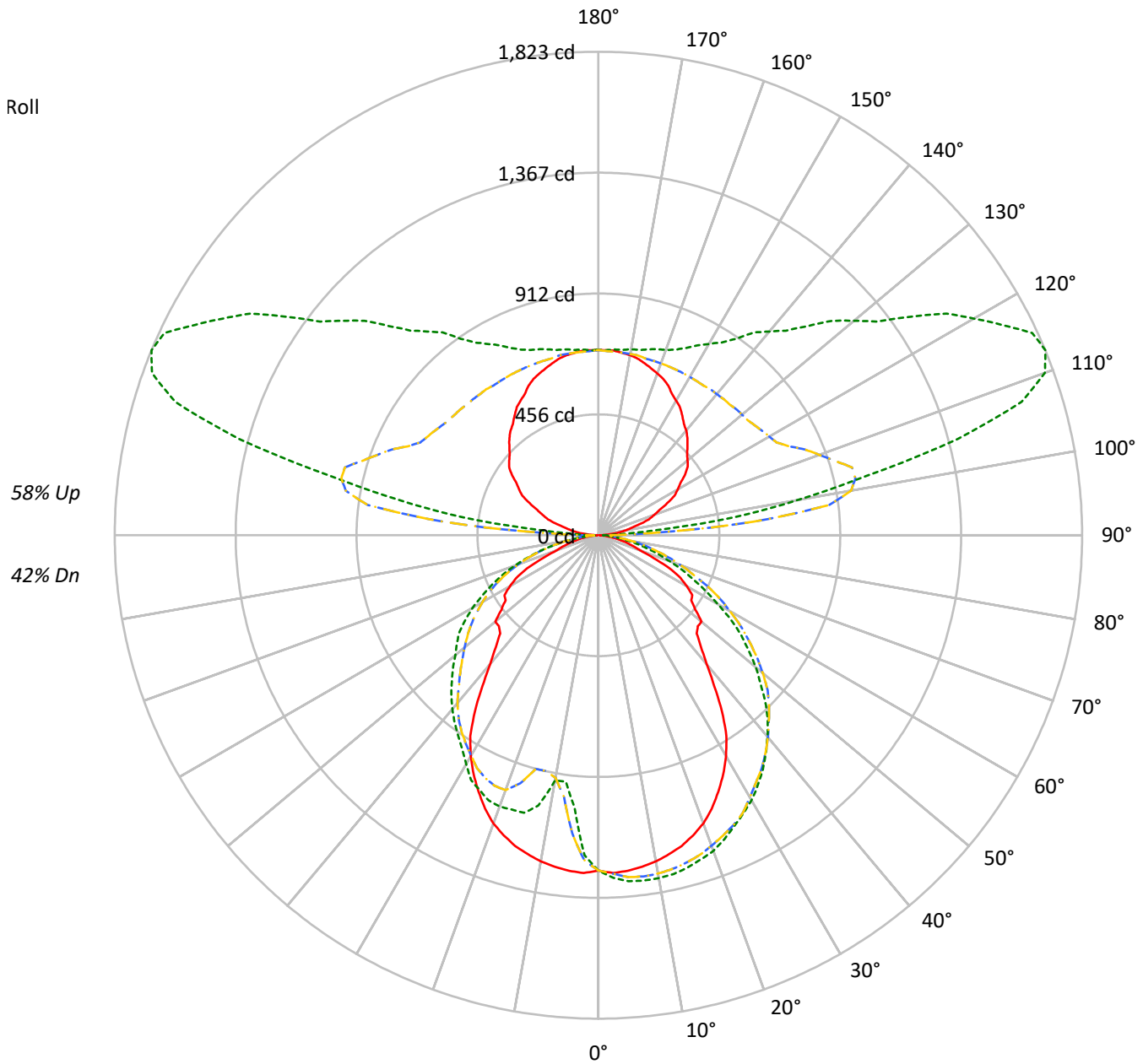
Test Method: LM-79-2019  
Report Number: P935659  
REPORT IS A COMBINATION OF REPORTS P933762 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7807.0 lumens  
Efficiency: N/A  
Efficacy: 121.2 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-4-4000K

### 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°	11730	11730	11730	11730
5°	11805	11841	11805	9310
10°	11713	11663	11713	8339
15°	11571	11410	11571	9528
20°	11316	11112	11316	9548
25°	10809	10675	10809	9346
30°	10157	10313	10157	8902
35°	9040	9854	9040	8414
40°	7521	9314	7521	8045
45°	6706	8683	6706	7621
50°	7109	7929	7109	7195
55°	6670	7117	6670	6948
60°	6850	6044	6850	6364
65°	6181	4996	6181	5585
70°	4252	3982	4252	4682
75°	3686	2943	3686	3524
80°	2911	1945	2911	2119
85°	1582	1030	1582	875

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10298 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.1	1.5
10°-20°	324.0	4.1
20°-30°	500.8	6.4
30°-40°	597.9	7.7
40°-50°	601.4	7.7
50°-60°	523.3	6.7
60°-70°	371.0	4.8
70°-80°	196.3	2.5
80°-90°	51.5	0.7
90°-100°	340.4	4.4
100°-110°	894.9	11.5
110°-120°	927.9	11.9
120°-130°	744.3	9.5
130°-140°	584.0	7.5
140°-150°	448.2	5.7
150°-160°	322.8	4.1
160°-170°	197.5	2.5
170°-180°	66.7	0.9
0°-30°	938.9	12.0
0°-40°	1536.8	19.7
0°-60°	2661.4	34.1
0°-90°	3280.2	42.0
90°-120°	2163.2	27.7
90°-150°	3939.7	50.5
90°-180°	4527.0	58.0
0°-180°	7807.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1264	1264	1264	1264	1264	
5°	1270	1310	1270	1030	1270	120
15°	1213	1298	1213	1084	1213	341
25°	1068	1210	1068	1060	1068	490
35°	812	1080	812	922	812	502
45°	524	890	524	781	524	420
55°	427	657	427	641	427	392
65°	297	396	297	442	297	283
75°	112	188	112	225	112	118
85°	19	48	19	41	19	26
90°	5	18	5	18	5	5
95°	45	206	45	206	45	50
105°	161	1401	161	1401	161	171
115°	286	1804	286	1804	286	283
125°	398	1437	398	1437	398	354
135°	475	1115	475	1115	475	367
145°	551	904	551	904	551	345
155°	622	779	622	779	622	286
165°	672	726	672	726	672	190
175°	698	703	698	703	698	66
180°	698	698	698	698	698	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1
2.5°	1274.8	1274.8	1282.1	1284.4	1284.4	1280.8	1277.3	1280.8	1291.6	1295.2	1294.0
5°	1270.1	1279.6	1292.8	1295.2	1297.5	1296.4	1294.0	1296.4	1308.3	1310.8	1311.9
7.5°	1260.5	1278.4	1295.2	1298.8	1302.3	1298.8	1297.5	1300.0	1311.9	1314.3	1314.3
10°	1248.6	1273.7	1292.8	1295.2	1298.8	1295.2	1295.2	1300.0	1311.9	1314.3	1315.6
12.5°	1231.8	1266.5	1284.4	1286.9	1291.6	1290.4	1289.2	1294.0	1306.0	1308.3	1308.3
15°	1212.6	1253.4	1270.1	1272.5	1280.8	1278.4	1278.4	1283.2	1296.4	1300.0	1298.8
17.5°	1186.4	1236.6	1255.7	1259.4	1265.3	1264.1	1265.3	1270.1	1282.1	1284.4	1285.6
20°	1156.4	1213.9	1236.6	1240.2	1246.1	1246.1	1246.1	1252.1	1264.1	1268.9	1268.9
22.5°	1115.8	1189.9	1213.9	1216.3	1223.4	1223.4	1225.9	1234.2	1245.0	1246.1	1246.1
25°	1068.0	1163.7	1184.0	1191.2	1198.3	1201.9	1205.5	1210.3	1213.9	1212.6	1213.9
27.5°	1017.8	1130.2	1156.4	1161.2	1170.8	1174.4	1179.2	1180.4	1181.6	1185.1	1182.8
30°	961.6	1083.5	1122.9	1127.7	1143.3	1145.7	1141.0	1143.3	1149.3	1151.7	1154.1
32.5°	898.1	1014.1	1088.3	1099.0	1113.4	1106.2	1105.0	1108.6	1118.2	1118.2	1120.6
35°	812.0	960.4	1056.1	1065.6	1076.3	1068.0	1072.7	1074.0	1079.9	1083.5	1082.3
37.5°	717.5	913.7	1022.6	1029.7	1038.0	1027.3	1034.5	1038.0	1042.8	1040.5	1040.5
40°	633.9	840.7	983.1	987.8	995.0	986.6	993.8	996.2	998.6	996.2	995.0
42.5°	571.7	760.6	941.2	947.2	942.4	948.3	950.8	955.6	952.0	947.2	947.2
45°	523.8	739.1	895.7	902.9	895.7	905.3	908.9	908.9	898.1	895.7	894.6
47.5°	508.2	696.1	850.3	850.3	846.7	858.6	864.7	856.3	845.5	842.0	842.0
50°	507.1	648.2	788.1	783.3	800.1	814.5	808.5	800.1	791.7	778.5	778.5
52.5°	460.5	589.6	708.0	725.9	752.3	760.6	751.0	742.7	728.3	722.3	717.5
55°	427.0	528.6	635.1	670.9	698.4	709.2	691.3	682.9	661.3	657.8	655.3
57.5°	419.8	440.1	568.1	613.5	647.0	645.8	635.1	619.5	601.6	597.9	596.8
60°	385.1	318.1	496.3	550.2	584.8	581.2	571.7	557.3	540.6	538.2	535.8
62.5°	349.2	230.8	415.0	476.0	525.0	523.8	515.5	493.9	482.0	476.0	471.2
65°	296.6	193.7	295.4	395.8	466.4	468.8	450.9	435.3	422.2	415.0	413.7
67.5°	226.0	157.9	199.7	330.1	410.2	407.8	385.1	377.9	361.2	357.5	350.4
70°	167.5	105.3	138.8	267.9	355.2	349.2	331.3	322.9	307.4	299.0	294.2
72.5°	138.8	84.9	101.6	208.1	299.0	291.8	276.3	266.7	253.5	246.4	241.6
75°	112.4	89.7	77.8	154.2	242.8	238.0	223.7	214.1	203.3	193.7	195.0
77.5°	82.6	83.7	62.2	113.6	192.5	185.4	177.0	165.0	160.2	150.7	150.7
80°	62.2	65.8	46.6	77.8	138.8	138.8	131.5	123.2	114.8	110.1	110.1
82.5°	41.8	41.8	34.7	49.1	94.5	90.9	86.1	83.7	78.9	76.6	76.6
85°	19.1	23.9	21.5	29.9	51.4	53.9	53.9	51.4	50.2	47.8	49.1
87.5°	6.0	10.8	13.1	16.7	26.3	27.5	28.7	28.7	28.7	29.9	29.9
90°	4.7	8.4	12.2	13.1	20.6	30.6	35.6	31.6	23.7	17.8	17.8
92.5°	18.7	50.6	82.5	90.4	127.2	176.1	200.6	175.8	126.3	89.1	85.5
95°	45.0	103.3	161.7	176.2	312.9	495.1	586.3	523.2	397.0	302.3	291.6
97.5°	77.8	129.2	180.7	193.5	421.4	725.3	877.3	837.4	757.6	697.8	677.4
100°	103.1	149.8	196.4	208.1	461.0	798.2	966.8	969.7	975.6	979.9	955.6
102.5°	124.6	168.2	211.7	222.6	479.1	821.2	992.1	1043.0	1144.7	1220.9	1200.1
105°	161.2	198.1	235.0	244.2	492.6	823.8	989.3	1103.3	1331.1	1502.0	1490.8
107.5°	198.7	233.1	267.5	276.1	495.1	787.1	933.1	1092.1	1409.9	1648.2	1650.9
110°	224.0	255.1	286.0	293.8	491.3	754.6	886.2	1063.9	1419.3	1685.8	1697.4



TEST NUMBER: P935659

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	248.8	278.4	307.9	315.4	491.4	726.2	843.6	1025.5	1389.2	1661.9	1679.8
115°	286.3	313.6	341.0	347.8	496.0	693.6	792.5	967.6	1318.0	1580.8	1605.6
117.5°	323.4	348.2	373.0	379.2	505.3	673.3	757.3	915.4	1231.6	1468.7	1496.2
120°	345.0	368.3	391.7	397.5	512.8	666.5	743.3	887.8	1176.6	1393.3	1420.1
122.5°	366.0	389.6	413.1	419.0	523.5	662.8	732.5	862.6	1122.8	1317.8	1344.3
125°	398.4	419.8	441.3	446.6	538.0	659.9	720.8	831.3	1052.2	1218.0	1242.3
127.5°	424.6	446.2	467.9	473.3	552.5	658.1	710.9	805.8	995.6	1137.9	1158.4
130°	438.6	462.0	485.3	491.1	563.2	659.2	707.2	791.7	960.6	1087.3	1106.2
132.5°	453.2	476.6	499.9	505.7	571.8	659.9	703.9	779.5	930.8	1044.2	1061.1
135°	474.8	496.0	517.2	522.5	581.1	659.2	698.3	761.7	888.3	983.3	997.9
137.5°	496.8	517.8	538.8	544.1	595.1	663.3	697.3	750.8	857.9	938.2	950.1
140°	515.0	534.4	553.8	558.7	603.8	664.0	694.1	740.3	832.8	902.2	913.4
142.5°	529.1	547.0	564.9	569.4	611.0	666.4	694.1	734.7	815.9	876.8	886.4
145°	550.7	566.3	581.9	585.8	620.3	666.4	689.4	722.6	789.0	838.9	846.2
147.5°	572.2	587.4	602.7	606.5	634.1	670.9	689.4	715.5	767.8	807.0	813.1
150°	586.3	600.0	613.8	617.2	641.3	673.3	689.4	711.5	755.6	788.8	793.6
152.5°	600.8	611.3	621.7	624.3	646.0	674.9	689.4	708.2	745.9	774.2	777.9
155°	622.4	630.1	637.8	639.7	656.2	678.3	689.4	704.4	734.4	756.9	759.3
157.5°	638.3	645.8	653.3	655.2	666.6	681.8	689.4	701.0	724.4	741.9	743.6
160°	649.1	654.9	660.8	662.2	671.3	683.3	689.4	699.3	719.3	734.4	735.4
162.5°	659.9	664.2	668.6	669.7	676.2	685.0	689.4	697.8	714.7	727.4	728.3
165°	671.5	675.5	679.5	680.5	683.5	687.4	689.4	695.4	707.5	716.5	717.5
167.5°	682.4	684.2	686.1	686.6	689.1	692.4	694.1	698.1	705.9	711.9	712.4
170°	689.4	691.3	693.2	693.6	693.8	694.0	694.1	698.1	705.9	711.9	711.9
172.5°	693.2	693.5	694.0	694.1	694.1	694.1	694.1	697.2	703.4	708.1	707.7
175°	698.3	698.3	698.3	698.3	696.9	695.0	694.1	696.1	700.0	702.9	702.9
177.5°	698.3	698.3	698.3	698.3	697.2	695.7	695.0	696.5	699.7	702.0	701.6
180°	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1
2.5°	1296.4	1292.8	1296.4	1294.0	1295.2	1291.6	1280.8	1277.3	1280.8	1284.4	1284.4
5°	1311.9	1309.6	1311.9	1311.9	1310.8	1308.3	1296.4	1294.0	1296.4	1297.5	1295.2
7.5°	1316.7	1313.1	1316.7	1314.3	1314.3	1311.9	1300.0	1297.5	1298.8	1302.3	1298.8
10°	1316.7	1313.1	1316.7	1315.6	1314.3	1311.9	1300.0	1295.2	1295.2	1298.8	1295.2
12.5°	1310.8	1308.3	1310.8	1308.3	1308.3	1306.0	1294.0	1289.2	1290.4	1291.6	1286.9
15°	1301.2	1297.5	1301.2	1298.8	1300.0	1296.4	1283.2	1278.4	1278.4	1280.8	1272.5
17.5°	1286.9	1282.1	1286.9	1285.6	1284.4	1282.1	1270.1	1265.3	1264.1	1265.3	1259.4
20°	1270.1	1266.5	1270.1	1268.9	1268.9	1264.1	1252.1	1246.1	1246.1	1246.1	1240.2
22.5°	1243.8	1240.2	1243.8	1246.1	1246.1	1245.0	1234.2	1225.9	1223.4	1223.4	1216.3
25°	1213.9	1210.3	1213.9	1213.9	1212.6	1213.9	1210.3	1205.5	1201.9	1198.3	1191.2
27.5°	1185.1	1182.8	1185.1	1182.8	1185.1	1181.6	1180.4	1179.2	1174.4	1170.8	1161.2
30°	1156.4	1154.1	1156.4	1154.1	1151.7	1149.3	1143.3	1141.0	1145.7	1143.3	1127.7
32.5°	1120.6	1118.2	1120.6	1120.6	1118.2	1118.2	1108.6	1105.0	1106.2	1113.4	1099.0
35°	1083.5	1079.9	1083.5	1082.3	1083.5	1079.9	1074.0	1072.7	1068.0	1076.3	1065.6
37.5°	1040.5	1036.9	1040.5	1040.5	1040.5	1042.8	1038.0	1034.5	1027.3	1038.0	1029.7
40°	996.2	991.4	996.2	995.0	996.2	998.6	996.2	993.8	986.6	995.0	987.8
42.5°	946.0	944.8	946.0	947.2	947.2	952.0	955.6	950.8	948.3	942.4	947.2
45°	892.1	889.8	892.1	894.6	895.7	898.1	908.9	908.9	905.3	895.7	902.9
47.5°	834.7	828.8	834.7	842.0	842.0	845.5	856.3	864.7	858.6	846.7	850.3
50°	773.7	775.0	773.7	778.5	778.5	791.7	800.1	808.5	814.5	800.1	783.3
52.5°	714.0	712.8	714.0	717.5	722.3	728.3	742.7	751.0	760.6	752.3	725.9
55°	654.2	656.6	654.2	655.3	657.8	661.3	682.9	691.3	709.2	698.4	670.9
57.5°	594.4	590.8	594.4	596.8	597.9	601.6	619.5	635.1	645.8	647.0	613.5
60°	525.0	520.2	525.0	535.8	538.2	540.6	557.3	571.7	581.2	584.8	550.2
62.5°	464.0	455.7	464.0	471.2	476.0	482.0	493.9	515.5	523.8	525.0	476.0
65°	399.4	395.8	399.4	413.7	415.0	422.2	435.3	450.9	468.8	466.4	395.8
67.5°	340.9	340.9	340.9	350.4	357.5	361.2	377.9	385.1	407.8	410.2	330.1
70°	287.0	285.8	287.0	294.2	299.0	307.4	322.9	331.3	349.2	355.2	267.9
72.5°	235.6	234.4	235.6	241.6	246.4	253.5	266.7	276.3	291.8	299.0	208.1
75°	190.2	187.7	190.2	195.0	193.7	203.3	214.1	223.7	238.0	242.8	154.2
77.5°	145.9	145.9	145.9	150.7	150.7	160.2	165.0	177.0	185.4	192.5	113.6
80°	108.8	107.6	108.8	110.1	110.1	114.8	123.2	131.5	138.8	138.8	77.8
82.5°	76.6	74.1	76.6	76.6	76.6	78.9	83.7	86.1	90.9	94.5	49.1
85°	47.8	47.8	47.8	49.1	47.8	50.2	51.4	53.9	53.9	51.4	29.9
87.5°	31.1	29.9	31.1	29.9	29.9	28.7	28.7	28.7	27.5	26.3	16.7
90°	17.8	17.8	17.8	17.8	17.8	23.7	31.6	35.6	30.6	20.6	13.1
92.5°	71.3	57.2	71.3	85.5	89.1	126.3	175.8	200.6	176.1	127.2	90.4
95°	248.6	205.7	248.6	291.6	302.3	397.0	523.2	586.3	495.1	312.9	176.2
97.5°	595.8	514.1	595.8	677.4	697.8	757.6	837.4	877.3	725.3	421.4	193.5
100°	858.4	761.1	858.4	955.6	979.9	975.6	969.7	966.8	798.2	461.0	208.1
102.5°	1116.7	1033.4	1116.7	1200.1	1220.9	1144.7	1043.0	992.1	821.2	479.1	222.6
105°	1446.1	1401.3	1446.1	1490.8	1502.0	1331.1	1103.3	989.3	823.8	492.6	244.2
107.5°	1661.8	1672.6	1661.8	1650.9	1648.2	1409.9	1092.1	933.1	787.1	495.1	276.1
110°	1744.1	1790.7	1744.1	1697.4	1685.8	1419.3	1063.9	886.2	754.6	491.3	293.8





TEST NUMBER: P935659

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1751.4	1823.1	1751.4	1679.8	1661.9	1389.2	1025.5	843.6	726.2	491.4	315.4
115°	1705.0	1804.3	1705.0	1605.6	1580.8	1318.0	967.6	792.5	693.6	496.0	347.8
117.5°	1606.5	1716.6	1606.5	1496.2	1468.7	1231.6	915.4	757.3	673.3	505.3	379.2
120°	1527.1	1634.2	1527.1	1420.1	1393.3	1176.6	887.8	743.3	666.5	512.8	397.5
122.5°	1449.8	1555.4	1449.8	1344.3	1317.8	1122.8	862.6	732.5	662.8	523.5	419.0
125°	1339.5	1436.9	1339.5	1242.3	1218.0	1052.2	831.3	720.8	659.9	538.0	446.6
127.5°	1240.4	1322.5	1240.4	1158.4	1137.9	995.6	805.8	710.9	658.1	552.5	473.3
130°	1182.0	1257.9	1182.0	1106.2	1087.3	960.6	791.7	707.2	659.2	563.2	491.1
132.5°	1129.0	1196.9	1129.0	1061.1	1044.2	930.8	779.5	703.9	659.9	571.8	505.7
135°	1056.4	1114.9	1056.4	997.9	983.3	888.3	761.7	698.3	659.2	581.1	522.5
137.5°	998.1	1046.0	998.1	950.1	938.2	857.9	750.8	697.3	663.3	595.1	544.1
140°	958.1	1002.9	958.1	913.4	902.2	832.8	740.3	694.1	664.0	603.8	558.7
142.5°	925.0	963.5	925.0	886.4	876.8	815.9	734.7	694.1	666.4	611.0	569.4
145°	875.4	904.5	875.4	846.2	838.9	789.0	722.6	689.4	666.4	620.3	585.8
147.5°	837.2	861.4	837.2	813.1	807.0	767.8	715.5	689.4	670.9	634.1	606.5
150°	813.3	832.8	813.3	793.6	788.8	755.6	711.5	689.4	673.3	641.3	617.2
152.5°	792.6	807.5	792.6	777.9	774.2	745.9	708.2	689.4	674.9	646.0	624.3
155°	769.1	778.9	769.1	759.3	756.9	734.4	704.4	689.4	678.3	656.2	639.7
157.5°	750.5	757.3	750.5	743.6	741.9	724.4	701.0	689.4	681.8	666.6	655.2
160°	739.3	743.3	739.3	735.4	734.4	719.3	699.3	689.4	683.3	671.3	662.2
162.5°	732.1	735.8	732.1	728.3	727.4	714.7	697.8	689.4	685.0	676.2	669.7
165°	721.5	725.5	721.5	717.5	716.5	707.5	695.4	689.4	687.4	683.5	680.5
167.5°	714.0	715.6	714.0	712.4	711.9	705.9	698.1	694.1	692.4	689.1	686.6
170°	711.9	711.9	711.9	711.9	711.9	705.9	698.1	694.1	694.0	693.8	693.6
172.5°	706.3	704.8	706.3	707.7	708.1	703.4	697.2	694.1	694.1	694.1	694.1
175°	702.9	702.9	702.9	702.9	702.9	700.0	696.1	694.1	695.0	696.9	698.3
177.5°	700.0	698.3	700.0	701.6	702.0	699.7	696.5	695.0	695.7	697.2	698.3
180°	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3



TEST NUMBER: P935659

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1
2.5°	1282.1	1274.8	1274.8	1262.9	1258.1	1254.6	1248.6	1230.7	1225.9	1221.1	1228.2
5°	1292.8	1279.6	1270.1	1248.6	1230.7	1223.4	1200.7	1157.7	1128.9	1107.5	1095.5
7.5°	1295.2	1278.4	1260.5	1227.0	1184.0	1164.9	1095.5	1016.6	995.0	975.9	963.9
10°	1292.8	1273.7	1248.6	1198.3	1096.7	1063.2	993.8	942.4	929.2	925.6	929.2
12.5°	1284.4	1266.5	1231.8	1148.1	1005.8	983.1	942.4	912.5	910.1	916.1	948.3
15°	1270.1	1253.4	1212.6	1081.1	955.6	938.8	910.1	899.4	912.5	954.3	1051.3
17.5°	1255.7	1236.6	1186.4	1015.3	917.3	905.3	885.0	906.5	980.7	1036.9	1069.2
20°	1236.6	1213.9	1156.4	967.5	889.8	879.0	869.4	966.3	1022.6	1042.8	1060.8
22.5°	1213.9	1189.9	1115.8	934.0	861.1	852.7	858.6	999.8	1022.6	1036.9	1052.4
25°	1184.0	1163.7	1068.0	907.7	838.4	828.8	851.5	996.2	1009.3	1013.0	1044.0
27.5°	1156.4	1130.2	1017.8	883.8	810.8	807.2	857.5	980.7	990.2	993.8	1027.3
30°	1122.9	1083.5	961.6	858.6	782.1	781.0	858.6	961.6	959.1	968.7	1002.2
32.5°	1088.3	1014.1	898.1	827.6	754.6	753.5	850.3	932.9	930.4	943.6	968.7
35°	1056.1	960.4	812.0	791.7	720.0	721.1	829.9	899.4	900.5	912.5	928.1
37.5°	1022.6	913.7	717.5	752.3	686.5	686.5	802.4	868.2	865.9	869.4	890.9
40°	983.1	840.7	633.9	700.8	655.3	651.8	769.0	834.7	826.4	825.2	855.1
42.5°	941.2	760.6	571.7	632.6	619.5	614.7	728.3	794.1	778.5	782.1	820.4
45°	895.7	739.1	523.8	534.6	582.4	578.9	684.0	747.5	736.7	746.3	785.8
47.5°	850.3	696.1	508.2	443.7	542.9	541.7	635.1	702.0	696.1	705.6	747.5
50°	788.1	648.2	507.1	380.3	498.7	503.5	576.4	657.8	657.8	666.1	710.4
52.5°	708.0	589.6	460.5	344.4	447.2	461.6	525.0	619.5	621.8	630.3	669.7
55°	635.1	528.6	427.0	316.9	386.3	417.4	474.8	580.0	584.8	593.2	629.1
57.5°	568.1	440.1	419.8	284.7	330.1	360.0	430.5	541.7	544.2	551.3	586.0
60°	496.3	318.1	385.1	249.9	281.1	303.8	389.9	496.3	504.7	509.4	539.4
62.5°	415.0	230.8	349.2	226.0	257.2	262.0	356.4	453.2	464.0	467.6	485.5
65°	295.4	193.7	296.6	205.7	232.0	233.2	320.5	409.0	418.5	424.5	437.7
67.5°	199.7	157.9	226.0	186.6	212.9	214.1	285.8	357.5	370.8	375.6	383.9
70°	138.8	105.3	167.5	166.3	191.4	193.7	248.7	310.9	322.9	326.5	331.3
72.5°	101.6	84.9	138.8	149.5	168.6	171.0	210.4	258.3	270.3	273.9	276.3
75°	77.8	89.7	112.4	130.3	143.5	144.7	172.3	210.4	218.9	221.2	222.4
77.5°	62.2	83.7	82.6	105.3	117.2	114.8	135.1	162.7	169.8	169.8	169.8
80°	46.6	65.8	62.2	75.3	86.1	83.7	96.9	116.0	118.4	120.7	119.6
82.5°	34.7	41.8	41.8	47.8	57.4	55.0	64.5	75.3	75.3	75.3	77.8
85°	21.5	23.9	19.1	25.1	32.3	31.1	35.8	40.6	41.8	41.8	39.5
87.5°	13.1	10.8	6.0	9.6	14.4	14.4	16.7	17.9	16.7	16.7	16.7
90°	12.2	8.4	4.7	8.4	12.2	13.1	20.6	30.6	35.6	31.6	23.7
92.5°	82.5	50.6	18.7	50.6	82.5	90.4	127.2	176.1	200.6	175.8	126.3
95°	161.7	103.3	45.0	103.3	161.7	176.2	312.9	495.1	586.3	523.2	397.0
97.5°	180.7	129.2	77.8	129.2	180.7	193.5	421.4	725.3	877.3	837.4	757.6
100°	196.4	149.8	103.1	149.8	196.4	208.1	461.0	798.2	966.8	969.7	975.6
102.5°	211.7	168.2	124.6	168.2	211.7	222.6	479.1	821.2	992.1	1043.0	1144.7
105°	235.0	198.1	161.2	198.1	235.0	244.2	492.6	823.8	989.3	1103.3	1331.1
107.5°	267.5	233.1	198.7	233.1	267.5	276.1	495.1	787.1	933.1	1092.1	1409.9
110°	286.0	255.1	224.0	255.1	286.0	293.8	491.3	754.6	886.2	1063.9	1419.3



TEST NUMBER: P935659

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	307.9	278.4	248.8	278.4	307.9	315.4	491.4	726.2	843.6	1025.5	1389.2
115°	341.0	313.6	286.3	313.6	341.0	347.8	496.0	693.6	792.5	967.6	1318.0
117.5°	373.0	348.2	323.4	348.2	373.0	379.2	505.3	673.3	757.3	915.4	1231.6
120°	391.7	368.3	345.0	368.3	391.7	397.5	512.8	666.5	743.3	887.8	1176.6
122.5°	413.1	389.6	366.0	389.6	413.1	419.0	523.5	662.8	732.5	862.6	1122.8
125°	441.3	419.8	398.4	419.8	441.3	446.6	538.0	659.9	720.8	831.3	1052.2
127.5°	467.9	446.2	424.6	446.2	467.9	473.3	552.5	658.1	710.9	805.8	995.6
130°	485.3	462.0	438.6	462.0	485.3	491.1	563.2	659.2	707.2	791.7	960.6
132.5°	499.9	476.6	453.2	476.6	499.9	505.7	571.8	659.9	703.9	779.5	930.8
135°	517.2	496.0	474.8	496.0	517.2	522.5	581.1	659.2	698.3	761.7	888.3
137.5°	538.8	517.8	496.8	517.8	538.8	544.1	595.1	663.3	697.3	750.8	857.9
140°	553.8	534.4	515.0	534.4	553.8	558.7	603.8	664.0	694.1	740.3	832.8
142.5°	564.9	547.0	529.1	547.0	564.9	569.4	611.0	666.4	694.1	734.7	815.9
145°	581.9	566.3	550.7	566.3	581.9	585.8	620.3	666.4	689.4	722.6	789.0
147.5°	602.7	587.4	572.2	587.4	602.7	606.5	634.1	670.9	689.4	715.5	767.8
150°	613.8	600.0	586.3	600.0	613.8	617.2	641.3	673.3	689.4	711.5	755.6
152.5°	621.7	611.3	600.8	611.3	621.7	624.3	646.0	674.9	689.4	708.2	745.9
155°	637.8	630.1	622.4	630.1	637.8	639.7	656.2	678.3	689.4	704.4	734.4
157.5°	653.3	645.8	638.3	645.8	653.3	655.2	666.6	681.8	689.4	701.0	724.4
160°	660.8	654.9	649.1	654.9	660.8	662.2	671.3	683.3	689.4	699.3	719.3
162.5°	668.6	664.2	659.9	664.2	668.6	669.7	676.2	685.0	689.4	697.8	714.7
165°	679.5	675.5	671.5	675.5	679.5	680.5	683.5	687.4	689.4	695.4	707.5
167.5°	686.1	684.2	682.4	684.2	686.1	686.6	689.1	692.4	694.1	698.1	705.9
170°	693.2	691.3	689.4	691.3	693.2	693.6	693.8	694.0	694.1	698.1	705.9
172.5°	694.0	693.5	693.2	693.5	694.0	694.1	694.1	694.1	694.1	697.2	703.4
175°	698.3	698.3	698.3	698.3	698.3	698.3	696.9	695.0	694.1	696.1	700.0
177.5°	698.3	698.3	698.3	698.3	698.3	698.3	697.2	695.7	695.0	696.5	699.7
180°	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3



TEST NUMBER: P935659

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1
2.5°	1219.9	1216.3	1221.1	1207.8	1221.1	1216.3	1219.9	1228.2	1221.1	1225.9	1230.7
5°	1070.4	1064.4	1045.3	1029.7	1045.3	1064.4	1070.4	1095.5	1107.5	1128.9	1157.7
7.5°	956.8	952.0	947.2	937.6	947.2	952.0	956.8	963.9	975.9	995.0	1016.6
10°	931.6	932.9	940.0	938.8	940.0	932.9	931.6	929.2	925.6	929.2	942.4
12.5°	996.2	1007.0	1046.5	1044.0	1046.5	1007.0	996.2	948.3	916.1	910.1	912.5
15°	1070.4	1074.0	1082.3	1083.5	1082.3	1074.0	1070.4	1051.3	954.3	912.5	899.4
17.5°	1077.5	1078.8	1084.7	1084.7	1084.7	1078.8	1077.5	1069.2	1036.9	980.7	906.5
20°	1071.5	1074.0	1085.9	1088.3	1085.9	1074.0	1071.5	1060.8	1042.8	1022.6	966.3
22.5°	1069.2	1074.0	1083.5	1082.3	1083.5	1074.0	1069.2	1052.4	1036.9	1022.6	999.8
25°	1057.2	1057.2	1058.4	1059.6	1058.4	1057.2	1057.2	1044.0	1013.0	1009.3	996.2
27.5°	1032.1	1034.5	1041.7	1040.5	1041.7	1034.5	1032.1	1027.3	993.8	990.2	980.7
30°	1009.3	1007.0	1001.0	996.2	1001.0	1007.0	1009.3	1002.2	968.7	959.1	961.6
32.5°	971.1	965.1	959.1	955.6	959.1	965.1	971.1	968.7	943.6	930.4	932.9
35°	925.6	926.9	925.6	922.1	925.6	926.9	925.6	928.1	912.5	900.5	899.4
37.5°	893.4	895.7	894.6	889.8	894.6	895.7	893.4	890.9	869.4	865.9	868.2
40°	859.9	861.1	859.9	856.3	859.9	861.1	859.9	855.1	825.2	826.4	834.7
42.5°	827.6	826.4	822.8	820.4	822.8	826.4	827.6	820.4	782.1	778.5	794.1
45°	790.5	791.7	784.5	781.0	784.5	791.7	790.5	785.8	746.3	736.7	747.5
47.5°	753.5	753.5	747.5	743.9	747.5	753.5	753.5	747.5	705.6	696.1	702.0
50°	714.0	712.8	704.4	703.2	704.4	712.8	714.0	710.4	666.1	657.8	657.8
52.5°	668.6	668.6	669.7	672.1	669.7	668.6	668.6	669.7	630.3	621.8	619.5
55°	629.1	630.3	638.6	641.0	638.6	630.3	629.1	629.1	593.2	584.8	580.0
57.5°	588.4	588.4	594.4	594.4	594.4	588.4	588.4	586.0	551.3	544.2	541.7
60°	541.7	544.2	548.9	547.7	548.9	544.2	541.7	539.4	509.4	504.7	496.3
62.5°	492.7	495.1	496.3	493.9	496.3	495.1	492.7	485.5	467.6	464.0	453.2
65°	441.3	443.7	444.9	442.5	444.9	443.7	441.3	437.7	424.5	418.5	409.0
67.5°	388.7	387.5	386.3	391.0	386.3	387.5	388.7	383.9	375.6	370.8	357.5
70°	334.8	334.8	333.6	336.1	333.6	334.8	334.8	331.3	326.5	322.9	310.9
72.5°	277.4	276.3	281.1	277.4	281.1	276.3	277.4	276.3	273.9	270.3	258.3
75°	221.2	223.7	221.2	224.8	221.2	223.7	221.2	222.4	221.2	218.9	210.4
77.5°	168.6	171.0	168.6	168.6	168.6	171.0	168.6	169.8	169.8	169.8	162.7
80°	119.6	118.4	118.4	117.2	118.4	118.4	119.6	119.6	120.7	118.4	116.0
82.5°	76.6	75.3	75.3	77.8	75.3	75.3	76.6	77.8	75.3	75.3	75.3
85°	41.8	43.1	40.6	40.6	40.6	43.1	41.8	39.5	41.8	41.8	40.6
87.5°	15.6	14.4	14.4	14.4	14.4	14.4	15.6	16.7	16.7	16.7	17.9
90°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	23.7	31.6	35.6	30.6
92.5°	89.1	85.5	71.3	57.2	71.3	85.5	89.1	126.3	175.8	200.6	176.1
95°	302.3	291.6	248.6	205.7	248.6	291.6	302.3	397.0	523.2	586.3	495.1
97.5°	697.8	677.4	595.8	514.1	595.8	677.4	697.8	757.6	837.4	877.3	725.3
100°	979.9	955.6	858.4	761.1	858.4	955.6	979.9	975.6	969.7	966.8	798.2
102.5°	1220.9	1200.1	1116.7	1033.4	1116.7	1200.1	1220.9	1144.7	1043.0	992.1	821.2
105°	1502.0	1490.8	1446.1	1401.3	1446.1	1490.8	1502.0	1331.1	1103.3	989.3	823.8
107.5°	1648.2	1650.9	1661.8	1672.6	1661.8	1650.9	1648.2	1409.9	1092.1	933.1	787.1
110°	1685.8	1697.4	1744.1	1790.7	1744.1	1697.4	1685.8	1419.3	1063.9	886.2	754.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1661.9	1679.8	1751.4	1823.1	1751.4	1679.8	1661.9	1389.2	1025.5	843.6	726.2
115°	1580.8	1605.6	1705.0	1804.3	1705.0	1605.6	1580.8	1318.0	967.6	792.5	693.6
117.5°	1468.7	1496.2	1606.5	1716.6	1606.5	1496.2	1468.7	1231.6	915.4	757.3	673.3
120°	1393.3	1420.1	1527.1	1634.2	1527.1	1420.1	1393.3	1176.6	887.8	743.3	666.5
122.5°	1317.8	1344.3	1449.8	1555.4	1449.8	1344.3	1317.8	1122.8	862.6	732.5	662.8
125°	1218.0	1242.3	1339.5	1436.9	1339.5	1242.3	1218.0	1052.2	831.3	720.8	659.9
127.5°	1137.9	1158.4	1240.4	1322.5	1240.4	1158.4	1137.9	995.6	805.8	710.9	658.1
130°	1087.3	1106.2	1182.0	1257.9	1182.0	1106.2	1087.3	960.6	791.7	707.2	659.2
132.5°	1044.2	1061.1	1129.0	1196.9	1129.0	1061.1	1044.2	930.8	779.5	703.9	659.9
135°	983.3	997.9	1056.4	1114.9	1056.4	997.9	983.3	888.3	761.7	698.3	659.2
137.5°	938.2	950.1	998.1	1046.0	998.1	950.1	938.2	857.9	750.8	697.3	663.3
140°	902.2	913.4	958.1	1002.9	958.1	913.4	902.2	832.8	740.3	694.1	664.0
142.5°	876.8	886.4	925.0	963.5	925.0	886.4	876.8	815.9	734.7	694.1	666.4
145°	838.9	846.2	875.4	904.5	875.4	846.2	838.9	789.0	722.6	689.4	666.4
147.5°	807.0	813.1	837.2	861.4	837.2	813.1	807.0	767.8	715.5	689.4	670.9
150°	788.8	793.6	813.3	832.8	813.3	793.6	788.8	755.6	711.5	689.4	673.3
152.5°	774.2	777.9	792.6	807.5	792.6	777.9	774.2	745.9	708.2	689.4	674.9
155°	756.9	759.3	769.1	778.9	769.1	759.3	756.9	734.4	704.4	689.4	678.3
157.5°	741.9	743.6	750.5	757.3	750.5	743.6	741.9	724.4	701.0	689.4	681.8
160°	734.4	735.4	739.3	743.3	739.3	735.4	734.4	719.3	699.3	689.4	683.3
162.5°	727.4	728.3	732.1	735.8	732.1	728.3	727.4	714.7	697.8	689.4	685.0
165°	716.5	717.5	721.5	725.5	721.5	717.5	716.5	707.5	695.4	689.4	687.4
167.5°	711.9	712.4	714.0	715.6	714.0	712.4	711.9	705.9	698.1	694.1	692.4
170°	711.9	711.9	711.9	711.9	711.9	711.9	711.9	705.9	698.1	694.1	694.0
172.5°	708.1	707.7	706.3	704.8	706.3	707.7	708.1	703.4	697.2	694.1	694.1
175°	702.9	702.9	702.9	702.9	702.9	702.9	702.9	700.0	696.1	694.1	695.0
177.5°	702.0	701.6	700.0	698.3	700.0	701.6	702.0	699.7	696.5	695.0	695.7
180°	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3	698.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1264.1	1264.1	1264.1	1264.1	1264.1
2.5°	1248.6	1254.6	1258.1	1262.9	1274.8
5°	1200.7	1223.4	1230.7	1248.6	1270.1
7.5°	1095.5	1164.9	1184.0	1227.0	1260.5
10°	993.8	1063.2	1096.7	1198.3	1248.6
12.5°	942.4	983.1	1005.8	1148.1	1231.8
15°	910.1	938.8	955.6	1081.1	1212.6
17.5°	885.0	905.3	917.3	1015.3	1186.4
20°	869.4	879.0	889.8	967.5	1156.4
22.5°	858.6	852.7	861.1	934.0	1115.8
25°	851.5	828.8	838.4	907.7	1068.0
27.5°	857.5	807.2	810.8	883.8	1017.8
30°	858.6	781.0	782.1	858.6	961.6
32.5°	850.3	753.5	754.6	827.6	898.1
35°	829.9	721.1	720.0	791.7	812.0
37.5°	802.4	686.5	686.5	752.3	717.5
40°	769.0	651.8	655.3	700.8	633.9
42.5°	728.3	614.7	619.5	632.6	571.7
45°	684.0	578.9	582.4	534.6	523.8
47.5°	635.1	541.7	542.9	443.7	508.2
50°	576.4	503.5	498.7	380.3	507.1
52.5°	525.0	461.6	447.2	344.4	460.5
55°	474.8	417.4	386.3	316.9	427.0
57.5°	430.5	360.0	330.1	284.7	419.8
60°	389.9	303.8	281.1	249.9	385.1
62.5°	356.4	262.0	257.2	226.0	349.2
65°	320.5	233.2	232.0	205.7	296.6
67.5°	285.8	214.1	212.9	186.6	226.0
70°	248.7	193.7	191.4	166.3	167.5
72.5°	210.4	171.0	168.6	149.5	138.8
75°	172.3	144.7	143.5	130.3	112.4
77.5°	135.1	114.8	117.2	105.3	82.6
80°	96.9	83.7	86.1	75.3	62.2
82.5°	64.5	55.0	57.4	47.8	41.8
85°	35.8	31.1	32.3	25.1	19.1
87.5°	16.7	14.4	14.4	9.6	6.0
90°	20.6	13.1	12.2	8.4	4.7
92.5°	127.2	90.4	82.5	50.6	18.7
95°	312.9	176.2	161.7	103.3	45.0
97.5°	421.4	193.5	180.7	129.2	77.8
100°	461.0	208.1	196.4	149.8	103.1
102.5°	479.1	222.6	211.7	168.2	124.6
105°	492.6	244.2	235.0	198.1	161.2
107.5°	495.1	276.1	267.5	233.1	198.7
110°	491.3	293.8	286.0	255.1	224.0



TEST NUMBER: P935659

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	491.4	315.4	307.9	278.4	248.8
115°	496.0	347.8	341.0	313.6	286.3
117.5°	505.3	379.2	373.0	348.2	323.4
120°	512.8	397.5	391.7	368.3	345.0
122.5°	523.5	419.0	413.1	389.6	366.0
125°	538.0	446.6	441.3	419.8	398.4
127.5°	552.5	473.3	467.9	446.2	424.6
130°	563.2	491.1	485.3	462.0	438.6
132.5°	571.8	505.7	499.9	476.6	453.2
135°	581.1	522.5	517.2	496.0	474.8
137.5°	595.1	544.1	538.8	517.8	496.8
140°	603.8	558.7	553.8	534.4	515.0
142.5°	611.0	569.4	564.9	547.0	529.1
145°	620.3	585.8	581.9	566.3	550.7
147.5°	634.1	606.5	602.7	587.4	572.2
150°	641.3	617.2	613.8	600.0	586.3
152.5°	646.0	624.3	621.7	611.3	600.8
155°	656.2	639.7	637.8	630.1	622.4
157.5°	666.6	655.2	653.3	645.8	638.3
160°	671.3	662.2	660.8	654.9	649.1
162.5°	676.2	669.7	668.6	664.2	659.9
165°	683.5	680.5	679.5	675.5	671.5
167.5°	689.1	686.6	686.1	684.2	682.4
170°	693.8	693.6	693.2	691.3	689.4
172.5°	694.1	694.1	694.0	693.5	693.2
175°	696.9	698.3	698.3	698.3	698.3
177.5°	697.2	698.3	698.3	698.3	698.3
180°	698.3	698.3	698.3	698.3	698.3



TEST NUMBER: P935659  
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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	12.56	13.36	13.58	14.39	15.77	15.36	16.15	16.38	17.18	18.57
	3H	13.03	13.75	14.07	14.79	16.19	16.69	17.40	17.72	18.44	19.84
	4H	13.22	13.90	14.27	14.94	16.35	17.12	17.80	18.17	18.84	20.25
	6H	13.34	13.96	14.39	15.01	16.43	17.40	18.02	18.45	19.06	20.49
	8H	13.34	13.93	14.40	14.99	16.41	17.47	18.06	18.53	19.12	20.53
	12H	13.31	13.87	14.37	14.92	16.36	17.50	18.06	18.56	19.12	20.56
4H	2H	13.58	14.25	14.63	15.30	16.70	15.76	16.44	16.81	17.48	18.89
	3H	14.60	15.16	15.66	16.23	17.65	17.25	17.81	18.31	18.88	20.30
	4H	14.87	15.39	15.94	16.45	17.89	17.77	18.28	18.84	19.35	20.79
	6H	14.99	15.44	16.07	16.52	17.96	18.12	18.57	19.20	19.65	21.09
	8H	15.00	15.41	16.07	16.49	17.94	18.22	18.64	19.30	19.71	21.17
	12H	14.96	15.34	16.06	16.43	17.88	18.27	18.65	19.37	19.74	21.19
8H	4H	15.32	15.73	16.39	16.80	18.26	17.89	18.30	18.97	19.38	20.83
	6H	15.57	15.92	16.67	17.03	18.48	18.32	18.66	19.41	19.78	21.23
	8H	15.62	15.92	16.72	17.02	18.49	18.46	18.76	19.57	19.86	21.33
	12H	15.60	15.86	16.71	16.96	18.47	18.55	18.81	19.66	19.91	21.42
12H	4H	15.32	15.69	16.41	16.78	18.24	17.85	18.22	18.95	19.32	20.77
	6H	15.63	15.93	16.74	17.03	18.50	18.31	18.61	19.42	19.71	21.18
	8H	15.70	15.96	16.81	17.06	18.57	18.47	18.73	19.58	19.83	21.33