

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: P935631

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

**Test Information**

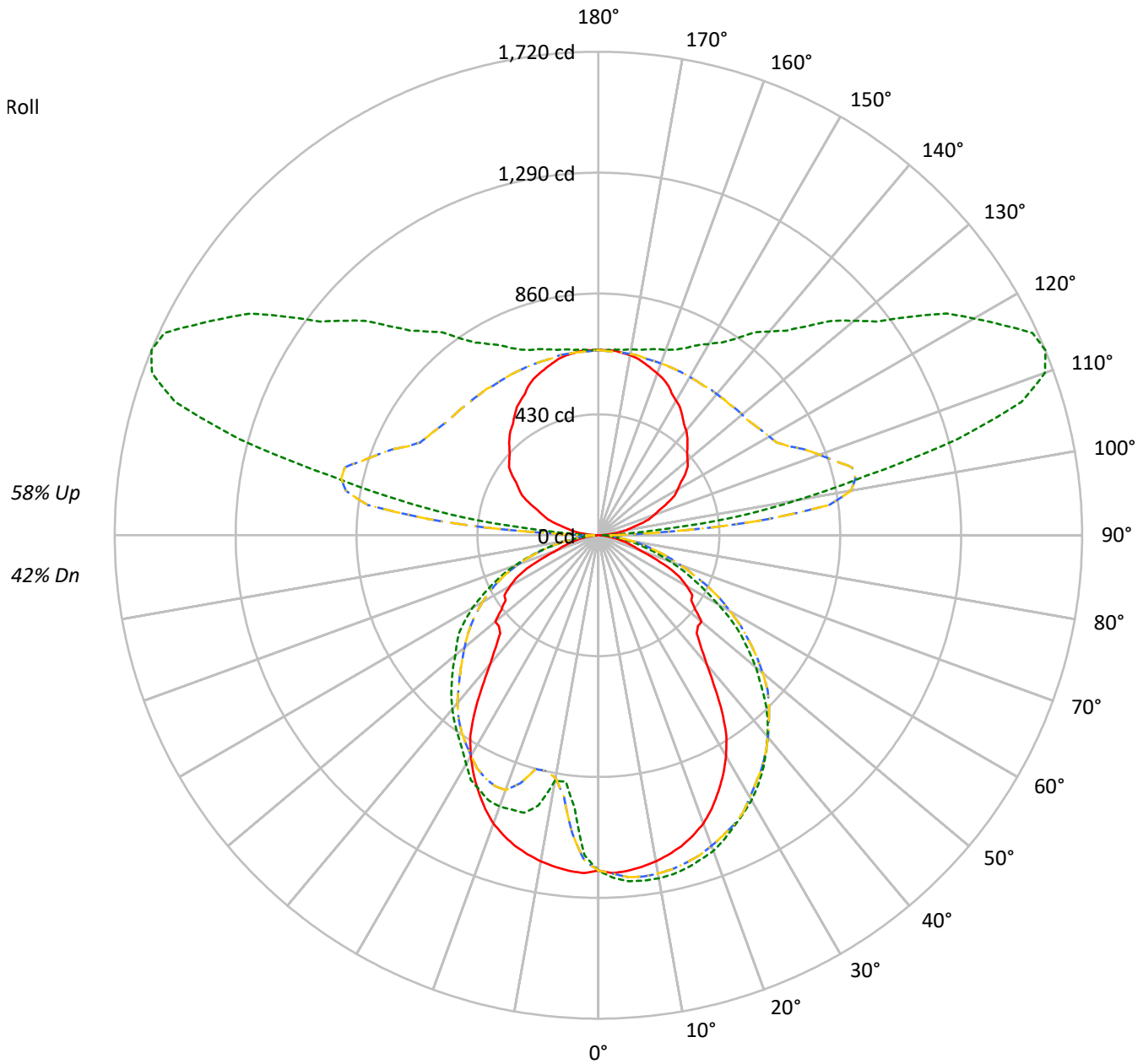
Test Method: LM-79-2019  
Report Number: P935631  
REPORT IS A COMBINATION OF REPORTS P933762 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7366.9 lumens  
Efficiency: N/A  
Efficacy: 114.4 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

TEST NUMBER: P935631  
CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-2700K

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11068	11068	11068	11068
5°	11139	11174	11139	8786
10°	11053	11006	11053	7869
15°	10920	10767	10920	8991
20°	10678	10485	10678	9010
25°	10199	10074	10199	8818
30°	9583	9731	9583	8401
35°	8530	9299	8530	7939
40°	7096	8789	7096	7591
45°	6328	8193	6328	7191
50°	6708	7482	6708	6790
55°	6293	6716	6293	6557
60°	6462	5704	6462	6005
65°	5833	4714	5833	5271
70°	4011	3757	4011	4418
75°	3479	2776	3479	3327
80°	2747	1837	2747	2000
85°	1490	972	1490	827

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9717 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.7	1.5
10°-20°	305.7	4.1
20°-30°	472.6	6.4
30°-40°	564.2	7.7
40°-50°	567.5	7.7
50°-60°	493.8	6.7
60°-70°	350.1	4.8
70°-80°	185.2	2.5
80°-90°	48.6	0.7
90°-100°	321.2	4.4
100°-110°	844.4	11.5
110°-120°	875.6	11.9
120°-130°	702.3	9.5
130°-140°	551.1	7.5
140°-150°	423.0	5.7
150°-160°	304.6	4.1
160°-170°	186.4	2.5
170°-180°	63.0	0.9
0°-30°	886.0	12.0
0°-40°	1450.1	19.7
0°-60°	2511.4	34.1
0°-90°	3095.3	42.0
90°-120°	2041.2	27.7
90°-150°	3717.6	50.5
90°-180°	4272.0	58.0
0°-180°	7366.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1193	1193	1193	1193	1193	
5°	1198	1236	1198	972	1198	114
15°	1144	1224	1144	1022	1144	322
25°	1008	1142	1008	1000	1008	463
35°	766	1019	766	870	766	474
45°	494	840	494	737	494	396
55°	403	620	403	605	403	370
65°	280	374	280	418	280	267
75°	106	177	106	212	106	112
85°	18	45	18	38	18	24
90°	4	17	4	17	4	4
95°	42	194	42	194	42	47
105°	152	1322	152	1322	152	161
115°	270	1703	270	1703	270	267
125°	376	1356	376	1356	376	334
135°	448	1052	448	1052	448	347
145°	520	854	520	854	520	326
155°	587	735	587	735	587	270
165°	634	685	634	685	634	179
175°	659	663	659	663	659	63
180°	659	659	659	659	659	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8
2.5°	1203.0	1203.0	1209.8	1212.0	1212.0	1208.6	1205.3	1208.6	1218.8	1222.2	1221.1
5°	1198.5	1207.5	1220.0	1222.2	1224.4	1223.3	1221.1	1223.3	1234.6	1236.9	1238.0
7.5°	1189.5	1206.4	1222.2	1225.6	1228.9	1225.6	1224.4	1226.7	1238.0	1240.2	1240.2
10°	1178.2	1201.8	1220.0	1222.2	1225.6	1222.2	1222.2	1226.7	1238.0	1240.2	1241.4
12.5°	1162.4	1195.1	1212.0	1214.3	1218.8	1217.6	1216.5	1221.1	1232.3	1234.6	1234.6
15°	1144.3	1182.7	1198.5	1200.7	1208.6	1206.4	1206.4	1210.9	1223.3	1226.7	1225.6
17.5°	1119.5	1166.9	1184.9	1188.3	1194.0	1192.8	1194.0	1198.5	1209.8	1212.0	1213.1
20°	1091.2	1145.5	1166.9	1170.2	1175.9	1175.9	1175.9	1181.5	1192.8	1197.3	1197.3
22.5°	1052.9	1122.8	1145.5	1147.7	1154.4	1154.4	1156.7	1164.6	1174.8	1175.9	1175.9
25°	1007.8	1098.1	1117.2	1124.0	1130.8	1134.1	1137.5	1142.1	1145.5	1144.3	1145.5
27.5°	960.4	1066.5	1091.2	1095.8	1104.8	1108.2	1112.7	1113.9	1115.0	1118.3	1116.1
30°	907.3	1022.4	1059.6	1064.2	1078.8	1081.1	1076.6	1078.8	1084.5	1086.8	1089.0
32.5°	847.5	957.0	1026.9	1037.1	1050.7	1043.8	1042.7	1046.1	1055.2	1055.2	1057.4
35°	766.2	906.2	996.5	1005.5	1015.6	1007.8	1012.2	1013.4	1019.1	1022.4	1021.3
37.5°	677.1	862.2	964.9	971.7	979.5	969.3	976.2	979.5	984.0	981.8	981.8
40°	598.1	793.3	927.7	932.1	938.9	931.0	937.7	940.1	942.3	940.1	938.9
42.5°	539.5	717.7	888.1	893.8	889.2	894.9	897.2	901.7	898.3	893.8	893.8
45°	494.3	697.4	845.2	852.0	845.2	854.3	857.6	857.6	847.5	845.2	844.1
47.5°	479.6	656.8	802.4	802.4	799.0	810.2	815.9	808.0	797.8	794.5	794.5
50°	478.5	611.6	743.7	739.2	755.0	768.5	762.9	755.0	747.1	734.6	734.6
52.5°	434.5	556.4	668.1	685.0	709.9	717.7	708.7	700.8	687.2	681.6	677.1
55°	402.9	498.8	599.3	633.1	659.0	669.2	652.3	644.4	624.0	620.7	618.4
57.5°	396.1	415.3	536.1	578.9	610.5	609.4	599.3	584.6	567.7	564.2	563.1
60°	363.3	300.1	468.3	519.1	551.9	548.4	539.5	525.9	510.1	507.9	505.6
62.5°	329.5	217.8	391.6	449.2	495.4	494.3	486.4	466.1	454.8	449.2	444.7
65°	279.9	182.8	278.7	373.5	440.1	442.4	425.4	410.8	398.4	391.6	390.4
67.5°	213.3	149.0	188.4	311.5	387.1	384.8	363.3	356.6	340.8	337.4	330.6
70°	158.0	99.3	130.9	252.8	335.2	329.5	312.6	304.7	290.1	282.1	277.6
72.5°	130.9	80.1	95.9	196.4	282.1	275.4	260.7	251.6	239.2	232.5	228.0
75°	106.1	84.6	73.4	145.5	229.1	224.6	211.1	202.0	191.8	182.8	184.0
77.5°	77.9	79.0	58.7	107.2	181.7	174.9	167.0	155.7	151.2	142.2	142.2
80°	58.7	62.1	44.0	73.4	130.9	130.9	124.1	116.2	108.3	103.9	103.9
82.5°	39.5	39.5	32.7	46.3	89.2	85.8	81.2	79.0	74.5	72.3	72.3
85°	18.0	22.5	20.3	28.2	48.5	50.8	50.8	48.5	47.4	45.1	46.3
87.5°	5.6	10.2	12.4	15.8	24.9	26.0	27.1	27.1	27.1	28.2	28.2
90°	4.4	7.9	11.5	12.4	19.5	28.9	33.6	29.8	22.4	16.8	16.8
92.5°	17.7	47.7	77.8	85.3	120.0	166.2	189.3	165.9	119.2	84.0	80.7
95°	42.5	97.5	152.5	166.3	295.3	467.2	553.2	493.7	374.6	285.3	275.1
97.5°	73.4	121.9	170.5	182.6	397.7	684.4	827.8	790.2	714.9	658.4	639.2
100°	97.3	141.4	185.3	196.4	435.0	753.2	912.3	915.0	920.6	924.7	901.7
102.5°	117.6	158.7	199.8	210.0	452.1	774.9	936.2	984.2	1080.1	1152.0	1132.4
105°	152.1	187.0	221.7	230.4	464.8	777.3	933.6	1041.1	1256.1	1417.3	1406.7
107.5°	187.5	219.9	252.4	260.5	467.2	742.7	880.5	1030.5	1330.4	1555.3	1557.8
110°	211.4	240.7	269.9	277.2	463.6	712.1	836.3	1003.9	1339.3	1590.7	1601.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	234.8	262.7	290.6	297.6	463.7	685.3	796.0	967.6	1310.8	1568.2	1585.1
115°	270.2	296.0	321.8	328.2	468.1	654.5	747.8	913.1	1243.7	1491.6	1515.1
117.5°	305.2	328.6	352.0	357.8	476.8	635.4	714.6	863.8	1162.1	1385.9	1411.9
120°	325.5	347.5	369.6	375.0	483.9	628.9	701.4	837.7	1110.3	1314.8	1340.0
122.5°	345.4	367.6	389.8	395.4	494.0	625.5	691.2	814.0	1059.5	1243.5	1268.5
125°	375.9	396.1	416.4	421.4	507.7	622.7	680.1	784.4	992.9	1149.3	1172.3
127.5°	400.7	421.1	441.5	446.6	521.4	621.0	670.8	760.3	939.5	1073.7	1093.1
130°	413.9	435.9	458.0	463.4	531.4	622.1	667.3	747.0	906.4	1026.0	1043.8
132.5°	427.7	449.7	471.7	477.2	539.6	622.7	664.3	735.6	878.3	985.3	1001.3
135°	448.0	468.1	488.0	493.1	548.4	622.1	659.0	718.7	838.2	927.8	941.7
137.5°	468.7	488.6	508.5	513.4	561.6	625.9	658.0	708.5	809.5	885.3	896.6
140°	486.0	504.3	522.6	527.2	569.8	626.6	654.9	698.6	785.9	851.3	861.9
142.5°	499.2	516.1	533.1	537.3	576.5	628.8	654.9	693.3	769.9	827.4	836.4
145°	519.7	534.3	549.1	552.8	585.3	628.8	650.5	681.9	744.5	791.6	798.5
147.5°	540.0	554.3	568.7	572.3	598.3	633.1	650.5	675.2	724.6	761.5	767.3
150°	553.2	566.2	579.2	582.4	605.1	635.4	650.5	671.3	713.0	744.3	748.9
152.5°	567.0	576.8	586.6	589.1	609.6	636.8	650.5	668.3	703.9	730.5	734.0
155°	587.3	594.6	601.8	603.6	619.2	640.1	650.5	664.7	693.0	714.2	716.5
157.5°	602.3	609.4	616.4	618.2	629.0	643.3	650.5	661.5	683.6	700.0	701.7
160°	612.5	618.0	623.5	624.9	633.4	644.8	650.5	659.9	678.8	693.0	693.9
162.5°	622.7	626.8	630.9	632.0	638.1	646.4	650.5	658.4	674.4	686.4	687.2
165°	633.7	637.4	641.2	642.1	645.0	648.6	650.5	656.2	667.6	676.1	677.1
167.5°	643.9	645.6	647.4	647.9	650.2	653.4	654.9	658.7	666.1	671.8	672.2
170°	650.5	652.3	654.1	654.5	654.7	654.9	654.9	658.7	666.1	671.8	671.8
172.5°	654.1	654.4	654.9	654.9	654.9	654.9	654.9	657.8	663.7	668.2	667.8
175°	659.0	659.0	659.0	659.0	657.6	655.8	654.9	656.8	660.5	663.3	663.3
177.5°	659.0	659.0	659.0	659.0	657.9	656.5	655.8	657.3	660.2	662.5	662.0
180°	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8
2.5°	1223.3	1220.0	1223.3	1221.1	1222.2	1218.8	1208.6	1205.3	1208.6	1212.0	1212.0
5°	1238.0	1235.8	1238.0	1238.0	1236.9	1234.6	1223.3	1221.1	1223.3	1224.4	1222.2
7.5°	1242.5	1239.1	1242.5	1240.2	1240.2	1238.0	1226.7	1224.4	1225.6	1228.9	1225.6
10°	1242.5	1239.1	1242.5	1241.4	1240.2	1238.0	1226.7	1222.2	1222.2	1225.6	1222.2
12.5°	1236.9	1234.6	1236.9	1234.6	1234.6	1232.3	1221.1	1216.5	1217.6	1218.8	1214.3
15°	1227.8	1224.4	1227.8	1225.6	1226.7	1223.3	1210.9	1206.4	1206.4	1208.6	1200.7
17.5°	1214.3	1209.8	1214.3	1213.1	1212.0	1209.8	1198.5	1194.0	1192.8	1194.0	1188.3
20°	1198.5	1195.1	1198.5	1197.3	1197.3	1192.8	1181.5	1175.9	1175.9	1175.9	1170.2
22.5°	1173.7	1170.2	1173.7	1175.9	1175.9	1174.8	1164.6	1156.7	1154.4	1154.4	1147.7
25°	1145.5	1142.1	1145.5	1145.5	1144.3	1145.5	1142.1	1137.5	1134.1	1130.8	1124.0
27.5°	1118.3	1116.1	1118.3	1116.1	1118.3	1115.0	1113.9	1112.7	1108.2	1104.8	1095.8
30°	1091.2	1089.0	1091.2	1089.0	1086.8	1084.5	1078.8	1076.6	1081.1	1078.8	1064.2
32.5°	1057.4	1055.2	1057.4	1057.4	1055.2	1055.2	1046.1	1042.7	1043.8	1050.7	1037.1
35°	1022.4	1019.1	1022.4	1021.3	1022.4	1019.1	1013.4	1012.2	1007.8	1015.6	1005.5
37.5°	981.8	978.4	981.8	981.8	981.8	984.0	979.5	976.2	969.3	979.5	971.7
40°	940.1	935.5	940.1	938.9	940.1	942.3	940.1	937.7	931.0	938.9	932.1
42.5°	892.6	891.5	892.6	893.8	893.8	898.3	901.7	897.2	894.9	889.2	893.8
45°	841.8	839.6	841.8	844.1	845.2	847.5	857.6	857.6	854.3	845.2	852.0
47.5°	787.7	782.0	787.7	794.5	794.5	797.8	808.0	815.9	810.2	799.0	802.4
50°	730.1	731.3	730.1	734.6	734.6	747.1	755.0	762.9	768.5	755.0	739.2
52.5°	673.7	672.6	673.7	677.1	681.6	687.2	700.8	708.7	717.7	709.9	685.0
55°	617.3	619.6	617.3	618.4	620.7	624.0	644.4	652.3	669.2	659.0	633.1
57.5°	560.9	557.5	560.9	563.1	564.2	567.7	584.6	599.3	609.4	610.5	578.9
60°	495.4	490.9	495.4	505.6	507.9	510.1	525.9	539.5	548.4	551.9	519.1
62.5°	437.8	430.0	437.8	444.7	449.2	454.8	466.1	486.4	494.3	495.4	449.2
65°	376.9	373.5	376.9	390.4	391.6	398.4	410.8	425.4	442.4	440.1	373.5
67.5°	321.7	321.7	321.7	330.6	337.4	340.8	356.6	363.3	384.8	387.1	311.5
70°	270.8	269.7	270.8	277.6	282.1	290.1	304.7	312.6	329.5	335.2	252.8
72.5°	222.3	221.2	222.3	228.0	232.5	239.2	251.6	260.7	275.4	282.1	196.4
75°	179.5	177.1	179.5	184.0	182.8	191.8	202.0	211.1	224.6	229.1	145.5
77.5°	137.7	137.7	137.7	142.2	142.2	151.2	155.7	167.0	174.9	181.7	107.2
80°	102.7	101.6	102.7	103.9	103.9	108.3	116.2	124.1	130.9	130.9	73.4
82.5°	72.3	70.0	72.3	72.3	72.3	74.5	79.0	81.2	85.8	89.2	46.3
85°	45.1	45.1	45.1	46.3	45.1	47.4	48.5	50.8	50.8	48.5	28.2
87.5°	29.4	28.2	29.4	28.2	28.2	27.1	27.1	27.1	26.0	24.9	15.8
90°	16.8	16.8	16.8	16.8	16.8	22.4	29.8	33.6	28.9	19.5	12.4
92.5°	67.3	54.0	67.3	80.7	84.0	119.2	165.9	189.3	166.2	120.0	85.3
95°	234.6	194.1	234.6	275.1	285.3	374.6	493.7	553.2	467.2	295.3	166.3
97.5°	562.2	485.1	562.2	639.2	658.4	714.9	790.2	827.8	684.4	397.7	182.6
100°	810.0	718.2	810.0	901.7	924.7	920.6	915.0	912.3	753.2	435.0	196.4
102.5°	1053.7	975.2	1053.7	1132.4	1152.0	1080.1	984.2	936.2	774.9	452.1	210.0
105°	1364.6	1322.3	1364.6	1406.7	1417.3	1256.1	1041.1	933.6	777.3	464.8	230.4
107.5°	1568.1	1578.3	1568.1	1557.8	1555.3	1330.4	1030.5	880.5	742.7	467.2	260.5
110°	1645.7	1689.7	1645.7	1601.7	1590.7	1339.3	1003.9	836.3	712.1	463.6	277.2





TEST NUMBER: P935631

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1652.7	1720.3	1652.7	1585.1	1568.2	1310.8	967.6	796.0	685.3	463.7	297.6
115°	1608.8	1702.6	1608.8	1515.1	1491.6	1243.7	913.1	747.8	654.5	468.1	328.2
117.5°	1515.9	1619.9	1515.9	1411.9	1385.9	1162.1	863.8	714.6	635.4	476.8	357.8
120°	1441.0	1542.0	1441.0	1340.0	1314.8	1110.3	837.7	701.4	628.9	483.9	375.0
122.5°	1368.1	1467.7	1368.1	1268.5	1243.5	1059.5	814.0	691.2	625.5	494.0	395.4
125°	1264.0	1355.8	1264.0	1172.3	1149.3	992.9	784.4	680.1	622.7	507.7	421.4
127.5°	1170.5	1248.0	1170.5	1093.1	1073.7	939.5	760.3	670.8	621.0	521.4	446.6
130°	1115.4	1187.0	1115.4	1043.8	1026.0	906.4	747.0	667.3	622.1	531.4	463.4
132.5°	1065.4	1129.4	1065.4	1001.3	985.3	878.3	735.6	664.3	622.7	539.6	477.2
135°	996.9	1052.0	996.9	941.7	927.8	838.2	718.7	659.0	622.1	548.4	493.1
137.5°	941.8	987.0	941.8	896.6	885.3	809.5	708.5	658.0	625.9	561.6	513.4
140°	904.1	946.4	904.1	861.9	851.3	785.9	698.6	654.9	626.6	569.8	527.2
142.5°	872.8	909.2	872.8	836.4	827.4	769.9	693.3	654.9	628.8	576.5	537.3
145°	826.0	853.5	826.0	798.5	791.6	744.5	681.9	650.5	628.8	585.3	552.8
147.5°	790.0	812.8	790.0	767.3	761.5	724.6	675.2	650.5	633.1	598.3	572.3
150°	767.4	785.9	767.4	748.9	744.3	713.0	671.3	650.5	635.4	605.1	582.4
152.5°	748.0	762.0	748.0	734.0	730.5	703.9	668.3	650.5	636.8	609.6	589.1
155°	725.8	735.0	725.8	716.5	714.2	693.0	664.7	650.5	640.1	619.2	603.6
157.5°	708.2	714.6	708.2	701.7	700.0	683.6	661.5	650.5	643.3	629.0	618.2
160°	697.7	701.4	697.7	693.9	693.0	678.8	659.9	650.5	644.8	633.4	624.9
162.5°	690.8	694.3	690.8	687.2	686.4	674.4	658.4	650.5	646.4	638.1	632.0
165°	680.8	684.6	680.8	677.1	676.1	667.6	656.2	650.5	648.6	645.0	642.1
167.5°	673.7	675.3	673.7	672.2	671.8	666.1	658.7	654.9	653.4	650.2	647.9
170°	671.8	671.8	671.8	671.8	671.8	666.1	658.7	654.9	654.9	654.7	654.5
172.5°	666.5	665.1	666.5	667.8	668.2	663.7	657.8	654.9	654.9	654.9	654.9
175°	663.3	663.3	663.3	663.3	663.3	660.5	656.8	654.9	655.8	657.6	659.0
177.5°	660.5	659.0	660.5	662.0	662.5	660.2	657.3	655.8	656.5	657.9	659.0
180°	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0



TEST NUMBER: P935631

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8
2.5°	1209.8	1203.0	1203.0	1191.7	1187.2	1183.8	1178.2	1161.3	1156.7	1152.2	1159.0
5°	1220.0	1207.5	1198.5	1178.2	1161.3	1154.4	1133.0	1092.4	1065.3	1045.0	1033.8
7.5°	1222.2	1206.4	1189.5	1157.9	1117.2	1099.2	1033.8	959.3	938.9	920.8	909.6
10°	1220.0	1201.8	1178.2	1130.8	1034.9	1003.3	937.7	889.2	876.8	873.4	876.8
12.5°	1212.0	1195.1	1162.4	1083.4	949.1	927.7	889.2	861.0	858.8	864.5	894.9
15°	1198.5	1182.7	1144.3	1020.2	901.7	885.9	858.8	848.7	861.0	900.5	992.0
17.5°	1184.9	1166.9	1119.5	958.1	865.6	854.3	835.1	855.4	925.4	978.4	1008.9
20°	1166.9	1145.5	1091.2	913.0	839.6	829.4	820.4	911.9	964.9	984.0	1001.0
22.5°	1145.5	1122.8	1052.9	881.4	812.5	804.6	810.2	943.5	964.9	978.4	993.1
25°	1117.2	1098.1	1007.8	856.5	791.1	782.0	803.5	940.1	952.4	955.9	985.2
27.5°	1091.2	1066.5	960.4	834.0	765.1	761.7	809.1	925.4	934.4	937.7	969.3
30°	1059.6	1022.4	907.3	810.2	738.1	736.9	810.2	907.3	905.0	914.1	945.7
32.5°	1026.9	957.0	847.5	780.9	712.1	711.0	802.4	880.3	878.0	890.4	914.1
35°	996.5	906.2	766.2	747.1	679.4	680.5	783.1	848.7	849.8	861.0	875.7
37.5°	964.9	862.2	677.1	709.9	647.8	647.8	757.2	819.3	817.1	820.4	840.7
40°	927.7	793.3	598.1	661.3	618.4	615.1	725.7	787.7	779.8	778.7	806.9
42.5°	888.1	717.7	539.5	597.0	584.6	580.0	687.2	749.3	734.6	738.1	774.2
45°	845.2	697.4	494.3	504.4	549.5	546.2	645.5	705.3	695.2	704.2	741.5
47.5°	802.4	656.8	479.6	418.7	512.3	511.2	599.3	662.5	656.8	665.8	705.3
50°	743.7	611.6	478.5	358.9	470.6	475.1	543.9	620.7	620.7	628.6	670.3
52.5°	668.1	556.4	434.5	325.0	422.0	435.6	495.4	584.6	586.8	594.7	632.0
55°	599.3	498.8	402.9	299.0	364.5	393.8	448.0	547.3	551.9	559.7	593.6
57.5°	536.1	415.3	396.1	268.6	311.5	339.7	406.2	511.2	513.5	520.2	553.0
60°	468.3	300.1	363.3	235.8	265.2	286.6	367.9	468.3	476.3	480.7	509.0
62.5°	391.6	217.8	329.5	213.3	242.7	247.2	336.3	427.7	437.8	441.2	458.2
65°	278.7	182.8	279.9	194.1	218.9	220.0	302.4	386.0	394.9	400.6	413.1
67.5°	188.4	149.0	213.3	176.0	200.9	202.0	269.7	337.4	349.9	354.4	362.2
70°	130.9	99.3	158.0	156.9	180.6	182.8	234.7	293.4	304.7	308.1	312.6
72.5°	95.9	80.1	130.9	141.1	159.1	161.3	198.6	243.8	255.0	258.5	260.7
75°	73.4	84.6	106.1	123.0	135.4	136.6	162.5	198.6	206.5	208.7	209.9
77.5°	58.7	79.0	77.9	99.3	110.6	108.3	127.5	153.5	160.2	160.2	160.2
80°	44.0	62.1	58.7	71.1	81.2	79.0	91.4	109.5	111.7	113.9	112.8
82.5°	32.7	39.5	39.5	45.1	54.2	51.9	60.9	71.1	71.1	71.1	73.4
85°	20.3	22.5	18.0	23.7	30.5	29.4	33.8	38.4	39.5	39.5	37.2
87.5°	12.4	10.2	5.6	9.1	13.6	13.6	15.8	16.9	15.8	15.8	15.8
90°	11.5	7.9	4.4	7.9	11.5	12.4	19.5	28.9	33.6	29.8	22.4
92.5°	77.8	47.7	17.7	47.7	77.8	85.3	120.0	166.2	189.3	165.9	119.2
95°	152.5	97.5	42.5	97.5	152.5	166.3	295.3	467.2	553.2	493.7	374.6
97.5°	170.5	121.9	73.4	121.9	170.5	182.6	397.7	684.4	827.8	790.2	714.9
100°	185.3	141.4	97.3	141.4	185.3	196.4	435.0	753.2	912.3	915.0	920.6
102.5°	199.8	158.7	117.6	158.7	199.8	210.0	452.1	774.9	936.2	984.2	1080.1
105°	221.7	187.0	152.1	187.0	221.7	230.4	464.8	777.3	933.6	1041.1	1256.1
107.5°	252.4	219.9	187.5	219.9	252.4	260.5	467.2	742.7	880.5	1030.5	1330.4
110°	269.9	240.7	211.4	240.7	269.9	277.2	463.6	712.1	836.3	1003.9	1339.3



TEST NUMBER: P935631

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	290.6	262.7	234.8	262.7	290.6	297.6	463.7	685.3	796.0	967.6	1310.8
115°	321.8	296.0	270.2	296.0	321.8	328.2	468.1	654.5	747.8	913.1	1243.7
117.5°	352.0	328.6	305.2	328.6	352.0	357.8	476.8	635.4	714.6	863.8	1162.1
120°	369.6	347.5	325.5	347.5	369.6	375.0	483.9	628.9	701.4	837.7	1110.3
122.5°	389.8	367.6	345.4	367.6	389.8	395.4	494.0	625.5	691.2	814.0	1059.5
125°	416.4	396.1	375.9	396.1	416.4	421.4	507.7	622.7	680.1	784.4	992.9
127.5°	441.5	421.1	400.7	421.1	441.5	446.6	521.4	621.0	670.8	760.3	939.5
130°	458.0	435.9	413.9	435.9	458.0	463.4	531.4	622.1	667.3	747.0	906.4
132.5°	471.7	449.7	427.7	449.7	471.7	477.2	539.6	622.7	664.3	735.6	878.3
135°	488.0	468.1	448.0	468.1	488.0	493.1	548.4	622.1	659.0	718.7	838.2
137.5°	508.5	488.6	468.7	488.6	508.5	513.4	561.6	625.9	658.0	708.5	809.5
140°	522.6	504.3	486.0	504.3	522.6	527.2	569.8	626.6	654.9	698.6	785.9
142.5°	533.1	516.1	499.2	516.1	533.1	537.3	576.5	628.8	654.9	693.3	769.9
145°	549.1	534.3	519.7	534.3	549.1	552.8	585.3	628.8	650.5	681.9	744.5
147.5°	568.7	554.3	540.0	554.3	568.7	572.3	598.3	633.1	650.5	675.2	724.6
150°	579.2	566.2	553.2	566.2	579.2	582.4	605.1	635.4	650.5	671.3	713.0
152.5°	586.6	576.8	567.0	576.8	586.6	589.1	609.6	636.8	650.5	668.3	703.9
155°	601.8	594.6	587.3	594.6	601.8	603.6	619.2	640.1	650.5	664.7	693.0
157.5°	616.4	609.4	602.3	609.4	616.4	618.2	629.0	643.3	650.5	661.5	683.6
160°	623.5	618.0	612.5	618.0	623.5	624.9	633.4	644.8	650.5	659.9	678.8
162.5°	630.9	626.8	622.7	626.8	630.9	632.0	638.1	646.4	650.5	658.4	674.4
165°	641.2	637.4	633.7	637.4	641.2	642.1	645.0	648.6	650.5	656.2	667.6
167.5°	647.4	645.6	643.9	645.6	647.4	647.9	650.2	653.4	654.9	658.7	666.1
170°	654.1	652.3	650.5	652.3	654.1	654.5	654.7	654.9	654.9	658.7	666.1
172.5°	654.9	654.4	654.1	654.4	654.9	654.9	654.9	654.9	654.9	657.8	663.7
175°	659.0	659.0	659.0	659.0	659.0	659.0	657.6	655.8	654.9	656.8	660.5
177.5°	659.0	659.0	659.0	659.0	659.0	659.0	657.9	656.5	655.8	657.3	660.2
180°	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0



TEST NUMBER: P935631

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8	1192.8
2.5°	1151.1	1147.7	1152.2	1139.7	1152.2	1147.7	1151.1	1159.0	1152.2	1156.7	1161.3
5°	1010.0	1004.4	986.3	971.7	986.3	1004.4	1010.0	1033.8	1045.0	1065.3	1092.4
7.5°	902.8	898.3	893.8	884.7	893.8	898.3	902.8	909.6	920.8	938.9	959.3
10°	879.1	880.3	887.0	885.9	887.0	880.3	879.1	876.8	873.4	876.8	889.2
12.5°	940.1	950.2	987.5	985.2	987.5	950.2	940.1	894.9	864.5	858.8	861.0
15°	1010.0	1013.4	1021.3	1022.4	1021.3	1013.4	1010.0	992.0	900.5	861.0	848.7
17.5°	1016.8	1017.9	1023.6	1023.6	1023.6	1017.9	1016.8	1008.9	978.4	925.4	855.4
20°	1011.1	1013.4	1024.7	1026.9	1024.7	1013.4	1011.1	1001.0	984.0	964.9	911.9
22.5°	1008.9	1013.4	1022.4	1021.3	1022.4	1013.4	1008.9	993.1	978.4	964.9	943.5
25°	997.6	997.6	998.7	999.8	998.7	997.6	997.6	985.2	955.9	952.4	940.1
27.5°	973.9	976.2	982.9	981.8	982.9	976.2	973.9	969.3	937.7	934.4	925.4
30°	952.4	950.2	944.6	940.1	944.6	950.2	952.4	945.7	914.1	905.0	907.3
32.5°	916.3	910.7	905.0	901.7	905.0	910.7	916.3	914.1	890.4	878.0	880.3
35°	873.4	874.6	873.4	870.1	873.4	874.6	873.4	875.7	861.0	849.8	848.7
37.5°	843.0	845.2	844.1	839.6	844.1	845.2	843.0	840.7	820.4	817.1	819.3
40°	811.4	812.5	811.4	808.0	811.4	812.5	811.4	806.9	778.7	779.8	787.7
42.5°	780.9	779.8	776.4	774.2	776.4	779.8	780.9	774.2	738.1	734.6	749.3
45°	745.9	747.1	740.3	736.9	740.3	747.1	745.9	741.5	704.2	695.2	705.3
47.5°	711.0	711.0	705.3	701.9	705.3	711.0	711.0	705.3	665.8	656.8	662.5
50°	673.7	672.6	664.7	663.6	664.7	672.6	673.7	670.3	628.6	620.7	620.7
52.5°	630.9	630.9	632.0	634.2	632.0	630.9	630.9	632.0	594.7	586.8	584.6
55°	593.6	594.7	602.6	604.9	602.6	594.7	593.6	593.6	559.7	551.9	547.3
57.5°	555.2	555.2	560.9	560.9	560.9	555.2	555.2	553.0	520.2	513.5	511.2
60°	511.2	513.5	517.9	516.8	517.9	513.5	511.2	509.0	480.7	476.3	468.3
62.5°	464.9	467.2	468.3	466.1	468.3	467.2	464.9	458.2	441.2	437.8	427.7
65°	416.4	418.7	419.8	417.6	419.8	418.7	416.4	413.1	400.6	394.9	386.0
67.5°	366.8	365.7	364.5	369.0	364.5	365.7	366.8	362.2	354.4	349.9	337.4
70°	315.9	315.9	314.8	317.1	314.8	315.9	315.9	312.6	308.1	304.7	293.4
72.5°	261.8	260.7	265.2	261.8	265.2	260.7	261.8	260.7	258.5	255.0	243.8
75°	208.7	211.1	208.7	212.2	208.7	211.1	208.7	209.9	208.7	206.5	198.6
77.5°	159.1	161.3	159.1	159.1	159.1	161.3	159.1	160.2	160.2	160.2	153.5
80°	112.8	111.7	111.7	110.6	111.7	111.7	112.8	112.8	113.9	111.7	109.5
82.5°	72.3	71.1	71.1	73.4	71.1	71.1	72.3	73.4	71.1	71.1	71.1
85°	39.5	40.7	38.4	38.4	38.4	40.7	39.5	37.2	39.5	39.5	38.4
87.5°	14.7	13.6	13.6	13.6	13.6	13.6	14.7	15.8	15.8	15.8	16.9
90°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.4	29.8	33.6	28.9
92.5°	84.0	80.7	67.3	54.0	67.3	80.7	84.0	119.2	165.9	189.3	166.2
95°	285.3	275.1	234.6	194.1	234.6	275.1	285.3	374.6	493.7	553.2	467.2
97.5°	658.4	639.2	562.2	485.1	562.2	639.2	658.4	714.9	790.2	827.8	684.4
100°	924.7	901.7	810.0	718.2	810.0	901.7	924.7	920.6	915.0	912.3	753.2
102.5°	1152.0	1132.4	1053.7	975.2	1053.7	1132.4	1152.0	1080.1	984.2	936.2	774.9
105°	1417.3	1406.7	1364.6	1322.3	1364.6	1406.7	1417.3	1256.1	1041.1	933.6	777.3
107.5°	1555.3	1557.8	1568.1	1578.3	1568.1	1557.8	1555.3	1330.4	1030.5	880.5	742.7
110°	1590.7	1601.7	1645.7	1689.7	1645.7	1601.7	1590.7	1339.3	1003.9	836.3	712.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1568.2	1585.1	1652.7	1720.3	1652.7	1585.1	1568.2	1310.8	967.6	796.0	685.3
115°	1491.6	1515.1	1608.8	1702.6	1608.8	1515.1	1491.6	1243.7	913.1	747.8	654.5
117.5°	1385.9	1411.9	1515.9	1619.9	1515.9	1411.9	1385.9	1162.1	863.8	714.6	635.4
120°	1314.8	1340.0	1441.0	1542.0	1441.0	1340.0	1314.8	1110.3	837.7	701.4	628.9
122.5°	1243.5	1268.5	1368.1	1467.7	1368.1	1268.5	1243.5	1059.5	814.0	691.2	625.5
125°	1149.3	1172.3	1264.0	1355.8	1264.0	1172.3	1149.3	992.9	784.4	680.1	622.7
127.5°	1073.7	1093.1	1170.5	1248.0	1170.5	1093.1	1073.7	939.5	760.3	670.8	621.0
130°	1026.0	1043.8	1115.4	1187.0	1115.4	1043.8	1026.0	906.4	747.0	667.3	622.1
132.5°	985.3	1001.3	1065.4	1129.4	1065.4	1001.3	985.3	878.3	735.6	664.3	622.7
135°	927.8	941.7	996.9	1052.0	996.9	941.7	927.8	838.2	718.7	659.0	622.1
137.5°	885.3	896.6	941.8	987.0	941.8	896.6	885.3	809.5	708.5	658.0	625.9
140°	851.3	861.9	904.1	946.4	904.1	861.9	851.3	785.9	698.6	654.9	626.6
142.5°	827.4	836.4	872.8	909.2	872.8	836.4	827.4	769.9	693.3	654.9	628.8
145°	791.6	798.5	826.0	853.5	826.0	798.5	791.6	744.5	681.9	650.5	628.8
147.5°	761.5	767.3	790.0	812.8	790.0	767.3	761.5	724.6	675.2	650.5	633.1
150°	744.3	748.9	767.4	785.9	767.4	748.9	744.3	713.0	671.3	650.5	635.4
152.5°	730.5	734.0	748.0	762.0	748.0	734.0	730.5	703.9	668.3	650.5	636.8
155°	714.2	716.5	725.8	735.0	725.8	716.5	714.2	693.0	664.7	650.5	640.1
157.5°	700.0	701.7	708.2	714.6	708.2	701.7	700.0	683.6	661.5	650.5	643.3
160°	693.0	693.9	697.7	701.4	697.7	693.9	693.0	678.8	659.9	650.5	644.8
162.5°	686.4	687.2	690.8	694.3	690.8	687.2	686.4	674.4	658.4	650.5	646.4
165°	676.1	677.1	680.8	684.6	680.8	677.1	676.1	667.6	656.2	650.5	648.6
167.5°	671.8	672.2	673.7	675.3	673.7	672.2	671.8	666.1	658.7	654.9	653.4
170°	671.8	671.8	671.8	671.8	671.8	671.8	671.8	666.1	658.7	654.9	654.9
172.5°	668.2	667.8	666.5	665.1	666.5	667.8	668.2	663.7	657.8	654.9	654.9
175°	663.3	663.3	663.3	663.3	663.3	663.3	663.3	660.5	656.8	654.9	655.8
177.5°	662.5	662.0	660.5	659.0	660.5	662.0	662.5	660.2	657.3	655.8	656.5
180°	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1192.8	1192.8	1192.8	1192.8	1192.8
2.5°	1178.2	1183.8	1187.2	1191.7	1203.0
5°	1133.0	1154.4	1161.3	1178.2	1198.5
7.5°	1033.8	1099.2	1117.2	1157.9	1189.5
10°	937.7	1003.3	1034.9	1130.8	1178.2
12.5°	889.2	927.7	949.1	1083.4	1162.4
15°	858.8	885.9	901.7	1020.2	1144.3
17.5°	835.1	854.3	865.6	958.1	1119.5
20°	820.4	829.4	839.6	913.0	1091.2
22.5°	810.2	804.6	812.5	881.4	1052.9
25°	803.5	782.0	791.1	856.5	1007.8
27.5°	809.1	761.7	765.1	834.0	960.4
30°	810.2	736.9	738.1	810.2	907.3
32.5°	802.4	711.0	712.1	780.9	847.5
35°	783.1	680.5	679.4	747.1	766.2
37.5°	757.2	647.8	647.8	709.9	677.1
40°	725.7	615.1	618.4	661.3	598.1
42.5°	687.2	580.0	584.6	597.0	539.5
45°	645.5	546.2	549.5	504.4	494.3
47.5°	599.3	511.2	512.3	418.7	479.6
50°	543.9	475.1	470.6	358.9	478.5
52.5°	495.4	435.6	422.0	325.0	434.5
55°	448.0	393.8	364.5	299.0	402.9
57.5°	406.2	339.7	311.5	268.6	396.1
60°	367.9	286.6	265.2	235.8	363.3
62.5°	336.3	247.2	242.7	213.3	329.5
65°	302.4	220.0	218.9	194.1	279.9
67.5°	269.7	202.0	200.9	176.0	213.3
70°	234.7	182.8	180.6	156.9	158.0
72.5°	198.6	161.3	159.1	141.1	130.9
75°	162.5	136.6	135.4	123.0	106.1
77.5°	127.5	108.3	110.6	99.3	77.9
80°	91.4	79.0	81.2	71.1	58.7
82.5°	60.9	51.9	54.2	45.1	39.5
85°	33.8	29.4	30.5	23.7	18.0
87.5°	15.8	13.6	13.6	9.1	5.6
90°	19.5	12.4	11.5	7.9	4.4
92.5°	120.0	85.3	77.8	47.7	17.7
95°	295.3	166.3	152.5	97.5	42.5
97.5°	397.7	182.6	170.5	121.9	73.4
100°	435.0	196.4	185.3	141.4	97.3
102.5°	452.1	210.0	199.8	158.7	117.6
105°	464.8	230.4	221.7	187.0	152.1
107.5°	467.2	260.5	252.4	219.9	187.5
110°	463.6	277.2	269.9	240.7	211.4



TEST NUMBER: P935631

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	463.7	297.6	290.6	262.7	234.8
115°	468.1	328.2	321.8	296.0	270.2
117.5°	476.8	357.8	352.0	328.6	305.2
120°	483.9	375.0	369.6	347.5	325.5
122.5°	494.0	395.4	389.8	367.6	345.4
125°	507.7	421.4	416.4	396.1	375.9
127.5°	521.4	446.6	441.5	421.1	400.7
130°	531.4	463.4	458.0	435.9	413.9
132.5°	539.6	477.2	471.7	449.7	427.7
135°	548.4	493.1	488.0	468.1	448.0
137.5°	561.6	513.4	508.5	488.6	468.7
140°	569.8	527.2	522.6	504.3	486.0
142.5°	576.5	537.3	533.1	516.1	499.2
145°	585.3	552.8	549.1	534.3	519.7
147.5°	598.3	572.3	568.7	554.3	540.0
150°	605.1	582.4	579.2	566.2	553.2
152.5°	609.6	589.1	586.6	576.8	567.0
155°	619.2	603.6	601.8	594.6	587.3
157.5°	629.0	618.2	616.4	609.4	602.3
160°	633.4	624.9	623.5	618.0	612.5
162.5°	638.1	632.0	630.9	626.8	622.7
165°	645.0	642.1	641.2	637.4	633.7
167.5°	650.2	647.9	647.4	645.6	643.9
170°	654.7	654.5	654.1	652.3	650.5
172.5°	654.9	654.9	654.9	654.4	654.1
175°	657.6	659.0	659.0	659.0	659.0
177.5°	657.9	659.0	659.0	659.0	659.0
180°	659.0	659.0	659.0	659.0	659.0



TEST NUMBER: P935631  
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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	12.36	13.15	13.38	14.19	15.57	15.16	15.95	16.18	16.98	18.36
	3H	12.83	13.54	13.87	14.58	15.98	16.49	17.20	17.52	18.24	19.64
	4H	13.02	13.69	14.07	14.74	16.14	16.92	17.60	17.97	18.64	20.05
	6H	13.14	13.76	14.19	14.80	16.22	17.20	17.82	18.25	18.86	20.28
	8H	13.14	13.73	14.20	14.79	16.20	17.27	17.86	18.33	18.92	20.33
	12H	13.10	13.67	14.17	14.72	16.16	17.30	17.86	18.36	18.91	20.35
4H	2H	13.38	14.05	14.43	15.09	16.50	15.56	16.23	16.61	17.28	18.68
	3H	14.40	14.96	15.46	16.03	17.45	17.05	17.61	18.11	18.68	20.10
	4H	14.67	15.19	15.74	16.25	17.69	17.57	18.08	18.63	19.14	20.59
	6H	14.79	15.23	15.87	16.32	17.76	17.92	18.36	19.00	19.45	20.89
	8H	14.80	15.21	15.87	16.29	17.74	18.02	18.44	19.10	19.51	20.97
	12H	14.76	15.13	15.85	16.22	17.68	18.07	18.44	19.16	19.53	20.99
8H	4H	15.11	15.53	16.19	16.60	18.06	17.69	18.10	18.76	19.18	20.63
	6H	15.37	15.71	16.47	16.83	18.28	18.11	18.46	19.21	19.57	21.02
	8H	15.41	15.71	16.52	16.81	18.28	18.26	18.56	19.37	19.66	21.13
	12H	15.40	15.66	16.50	16.76	18.26	18.35	18.61	19.46	19.71	21.22
12H	4H	15.12	15.49	16.21	16.58	18.04	17.65	18.02	18.74	19.11	20.57
	6H	15.43	15.73	16.54	16.83	18.30	18.11	18.41	19.22	19.51	20.98
	8H	15.49	15.76	16.60	16.85	18.36	18.26	18.53	19.37	19.62	21.13