

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: P935632

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935632
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-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

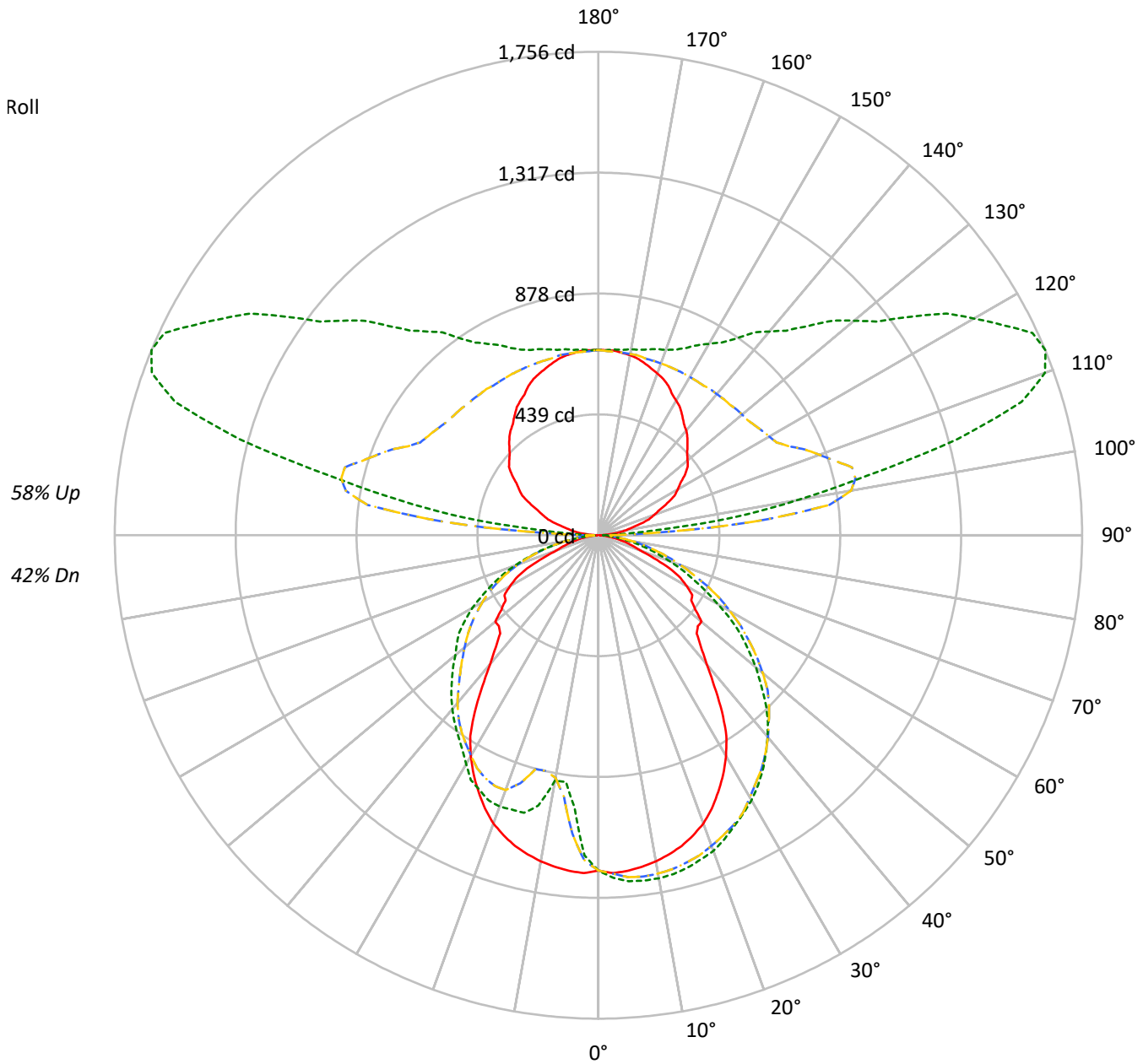
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7521.3 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: 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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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				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	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11300	11300	11300	11300
5°	11373	11408	11373	8970
10°	11284	11237	11284	8034
15°	11149	10993	11149	9179
20°	10902	10705	10902	9198
25°	10413	10284	10413	9004
30°	9785	9935	9785	8577
35°	8709	9493	8709	8105
40°	7246	8973	7246	7750
45°	6460	8365	6460	7342
50°	6848	7639	6848	6932
55°	6425	6857	6425	6695
60°	6599	5823	6599	6131
65°	5956	4813	5956	5381
70°	4095	3837	4095	4511
75°	3551	2836	3551	3396
80°	2803	1875	2803	2041
85°	1524	991	1524	845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9922 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.5
10°-20°	312.1	4.1
20°-30°	482.5	6.4
30°-40°	576.0	7.7
40°-50°	579.4	7.7
50°-60°	504.1	6.7
60°-70°	357.4	4.8
70°-80°	189.1	2.5
80°-90°	49.7	0.7
90°-100°	327.9	4.4
100°-110°	862.1	11.5
110°-120°	893.9	11.9
120°-130°	717.0	9.5
130°-140°	562.6	7.5
140°-150°	431.8	5.7
150°-160°	311.0	4.1
160°-170°	190.3	2.5
170°-180°	64.3	0.9
0°-30°	904.5	12.0
0°-40°	1480.5	19.7
0°-60°	2564.0	34.1
0°-90°	3160.2	42.0
90°-120°	2084.0	27.7
90°-150°	3795.5	50.5
90°-180°	4361.0	58.0
0°-180°	7521.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1218	1218	1218	1218	1218	
5°	1224	1262	1224	992	1224	116
15°	1168	1250	1168	1044	1168	329
25°	1029	1166	1029	1021	1029	472
35°	782	1040	782	888	782	484
45°	505	857	505	752	505	404
55°	411	633	411	618	411	378
65°	286	381	286	426	286	273
75°	108	181	108	217	108	114
85°	18	46	18	39	18	25
90°	4	17	4	17	4	5
95°	43	198	43	198	43	48
105°	155	1350	155	1350	155	165
115°	276	1738	276	1738	276	272
125°	384	1384	384	1384	384	341
135°	457	1074	457	1074	457	354
145°	530	871	530	871	530	332
155°	600	750	600	750	600	276
165°	647	699	647	699	647	183
175°	673	677	673	677	673	64
180°	673	673	673	673	673	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1228.2	1228.2	1235.1	1237.4	1237.4	1233.9	1230.5	1233.9	1244.3	1247.8	1246.7
5°	1223.6	1232.8	1245.5	1247.8	1250.1	1248.9	1246.7	1248.9	1260.4	1262.8	1263.9
7.5°	1214.4	1231.7	1247.8	1251.3	1254.7	1251.3	1250.1	1252.4	1263.9	1266.2	1266.2
10°	1202.9	1227.0	1245.5	1247.8	1251.3	1247.8	1247.8	1252.4	1263.9	1266.2	1267.4
12.5°	1186.8	1220.1	1237.4	1239.8	1244.3	1243.2	1242.0	1246.7	1258.2	1260.4	1260.4
15°	1168.3	1207.5	1223.6	1225.9	1233.9	1231.7	1231.7	1236.3	1248.9	1252.4	1251.3
17.5°	1143.0	1191.4	1209.8	1213.3	1219.0	1217.8	1219.0	1223.6	1235.1	1237.4	1238.5
20°	1114.1	1169.5	1191.4	1194.8	1200.5	1200.5	1200.5	1206.3	1217.8	1222.4	1222.4
22.5°	1075.0	1146.4	1169.5	1171.8	1178.6	1178.6	1181.0	1189.0	1199.4	1200.5	1200.5
25°	1028.9	1121.1	1140.6	1147.6	1154.5	1157.9	1161.4	1166.0	1169.5	1168.3	1169.5
27.5°	980.5	1088.8	1114.1	1118.7	1128.0	1131.5	1136.0	1137.2	1138.4	1141.8	1139.5
30°	926.4	1043.8	1081.8	1086.5	1101.5	1103.7	1099.2	1101.5	1107.2	1109.6	1111.8
32.5°	865.2	977.0	1048.4	1058.8	1072.7	1065.7	1064.6	1068.1	1077.3	1077.3	1079.6
35°	782.3	925.2	1017.4	1026.6	1036.9	1028.9	1033.4	1034.7	1040.4	1043.8	1042.7
37.5°	691.3	880.2	985.1	992.0	1000.0	989.7	996.6	1000.0	1004.7	1002.4	1002.4
40°	610.7	809.9	947.1	951.7	958.6	950.5	957.4	959.8	962.0	959.8	958.6
42.5°	550.8	732.8	906.7	912.5	907.9	913.6	916.0	920.6	917.1	912.5	912.5
45°	504.6	712.0	863.0	869.9	863.0	872.2	875.6	875.6	865.2	863.0	861.8
47.5°	489.6	670.6	819.2	819.2	815.7	827.2	833.1	824.9	814.6	811.2	811.2
50°	488.5	624.5	759.3	754.7	770.8	784.7	778.9	770.8	762.8	750.0	750.0
52.5°	443.6	568.0	682.1	699.4	724.7	732.8	723.5	715.5	701.6	695.9	691.3
55°	411.3	509.3	611.8	646.4	672.9	683.2	666.0	657.9	637.1	633.7	631.4
57.5°	404.4	424.0	547.3	591.1	623.3	622.2	611.8	596.8	579.6	576.1	574.9
60°	371.0	306.4	478.1	530.0	563.4	559.9	550.8	536.9	520.8	518.5	516.2
62.5°	336.4	222.4	399.8	458.6	505.8	504.6	496.6	475.9	464.4	458.6	454.0
65°	285.8	186.6	284.5	381.3	449.4	451.6	434.4	419.4	406.7	399.8	398.6
67.5°	217.7	152.1	192.4	318.0	395.2	392.9	371.0	364.1	347.9	344.5	337.6
70°	161.3	101.4	133.7	258.1	342.2	336.4	319.2	311.1	296.1	288.0	283.4
72.5°	133.7	81.8	97.9	200.5	288.0	281.1	266.1	256.9	244.3	237.4	232.7
75°	108.3	86.4	74.9	148.6	233.9	229.3	215.5	206.2	195.9	186.6	187.8
77.5°	79.5	80.7	59.9	109.4	185.5	178.6	170.5	159.0	154.4	145.2	145.2
80°	59.9	63.4	44.9	74.9	133.7	133.7	126.7	118.7	110.6	106.0	106.0
82.5°	40.3	40.3	33.4	47.3	91.0	87.6	82.9	80.7	76.0	73.8	73.8
85°	18.4	23.0	20.8	28.8	49.5	51.9	51.9	49.5	48.4	46.0	47.3
87.5°	5.8	10.4	12.6	16.1	25.4	26.5	27.6	27.6	27.6	28.8	28.8
90°	4.5	8.1	11.8	12.6	19.9	29.5	34.3	30.4	22.8	17.2	17.2
92.5°	18.1	48.7	79.4	87.1	122.5	169.7	193.2	169.3	121.6	85.8	82.4
95°	43.3	99.5	155.7	169.8	301.5	477.0	564.8	504.0	382.5	291.3	280.9
97.5°	74.9	124.4	174.1	186.4	406.0	698.8	845.2	806.7	729.9	672.3	652.6
100°	99.3	144.3	189.2	200.5	444.1	769.0	931.4	934.2	939.9	944.1	920.6
102.5°	120.1	162.0	204.0	214.4	461.6	791.1	955.8	1004.8	1102.8	1176.2	1156.1
105°	155.3	190.9	226.4	235.3	474.6	793.6	953.1	1062.9	1282.4	1447.1	1436.2
107.5°	191.4	224.5	257.7	266.0	477.0	758.3	899.0	1052.1	1358.3	1587.9	1590.5
110°	215.8	245.7	275.6	283.1	473.3	727.0	853.8	1025.0	1367.3	1624.1	1635.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	239.7	268.2	296.7	303.8	473.4	699.6	812.7	987.9	1338.3	1601.1	1618.3
115°	275.8	302.2	328.5	335.0	477.9	668.2	763.5	932.2	1269.8	1522.9	1546.8
117.5°	311.6	335.5	359.4	365.3	486.8	648.7	729.6	881.9	1186.5	1415.0	1441.5
120°	332.3	354.8	377.3	382.9	494.0	642.1	716.1	855.3	1133.6	1342.3	1368.1
122.5°	352.7	375.3	398.0	403.7	504.4	638.6	705.7	831.0	1081.7	1269.6	1295.1
125°	383.8	404.4	425.1	430.3	518.3	635.7	694.4	800.9	1013.7	1173.4	1196.9
127.5°	409.1	429.9	450.8	456.0	532.3	634.1	684.9	776.3	959.2	1096.2	1116.0
130°	422.6	445.1	467.6	473.2	542.6	635.1	681.3	762.7	925.4	1047.5	1065.7
132.5°	436.6	459.1	481.6	487.2	550.9	635.7	678.2	751.0	896.7	1006.0	1022.3
135°	457.4	477.9	498.3	503.4	559.8	635.1	672.8	733.8	855.8	947.3	961.4
137.5°	478.6	498.8	519.1	524.2	573.4	639.0	671.8	723.4	826.5	903.9	915.4
140°	496.2	514.8	533.5	538.2	581.7	639.7	668.7	713.2	802.4	869.2	880.0
142.5°	509.7	527.0	544.2	548.6	588.6	642.0	668.7	707.8	786.1	844.7	854.0
145°	530.5	545.5	560.6	564.4	597.6	642.0	664.1	696.1	760.2	808.2	815.3
147.5°	551.3	566.0	580.6	584.3	610.9	646.4	664.1	689.3	739.7	777.5	783.3
150°	564.8	578.1	591.3	594.6	617.8	648.7	664.1	685.4	728.0	759.9	764.6
152.5°	578.9	588.9	598.9	601.4	622.4	650.2	664.1	682.3	718.6	745.9	749.4
155°	599.6	607.0	614.4	616.3	632.2	653.5	664.1	678.6	707.5	729.2	731.5
157.5°	615.0	622.2	629.3	631.2	642.2	656.8	664.1	675.4	697.9	714.7	716.4
160°	625.3	630.9	636.6	638.0	646.7	658.3	664.1	673.7	693.0	707.5	708.4
162.5°	635.7	639.9	644.2	645.2	651.5	660.0	664.1	672.3	688.6	700.8	701.6
165°	647.0	650.8	654.6	655.6	658.5	662.2	664.1	670.0	681.6	690.3	691.3
167.5°	657.4	659.2	661.0	661.4	663.9	667.1	668.7	672.5	680.1	685.9	686.3
170°	664.1	666.0	667.8	668.2	668.4	668.6	668.7	672.5	680.1	685.9	685.9
172.5°	667.8	668.2	668.6	668.7	668.7	668.7	668.7	671.6	677.7	682.2	681.8
175°	672.8	672.8	672.8	672.8	671.4	669.5	668.7	670.6	674.3	677.2	677.2
177.5°	672.8	672.8	672.8	672.8	671.7	670.2	669.5	671.0	674.1	676.3	675.9
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1248.9	1245.5	1248.9	1246.7	1247.8	1244.3	1233.9	1230.5	1233.9	1237.4	1237.4
5°	1263.9	1261.7	1263.9	1263.9	1262.8	1260.4	1248.9	1246.7	1248.9	1250.1	1247.8
7.5°	1268.5	1265.1	1268.5	1266.2	1266.2	1263.9	1252.4	1250.1	1251.3	1254.7	1251.3
10°	1268.5	1265.1	1268.5	1267.4	1266.2	1263.9	1252.4	1247.8	1247.8	1251.3	1247.8
12.5°	1262.8	1260.4	1262.8	1260.4	1260.4	1258.2	1246.7	1242.0	1243.2	1244.3	1239.8
15°	1253.5	1250.1	1253.5	1251.3	1252.4	1248.9	1236.3	1231.7	1231.7	1233.9	1225.9
17.5°	1239.8	1235.1	1239.8	1238.5	1237.4	1235.1	1223.6	1219.0	1217.8	1219.0	1213.3
20°	1223.6	1220.1	1223.6	1222.4	1222.4	1217.8	1206.3	1200.5	1200.5	1200.5	1194.8
22.5°	1198.3	1194.8	1198.3	1200.5	1200.5	1199.4	1189.0	1181.0	1178.6	1178.6	1171.8
25°	1169.5	1166.0	1169.5	1169.5	1168.3	1169.5	1166.0	1161.4	1157.9	1154.5	1147.6
27.5°	1141.8	1139.5	1141.8	1139.5	1141.8	1138.4	1137.2	1136.0	1131.5	1128.0	1118.7
30°	1114.1	1111.8	1114.1	1111.8	1109.6	1107.2	1101.5	1099.2	1103.7	1101.5	1086.5
32.5°	1079.6	1077.3	1079.6	1079.6	1077.3	1077.3	1068.1	1064.6	1065.7	1072.7	1058.8
35°	1043.8	1040.4	1043.8	1042.7	1043.8	1040.4	1034.7	1033.4	1028.9	1036.9	1026.6
37.5°	1002.4	998.9	1002.4	1002.4	1002.4	1004.7	1000.0	996.6	989.7	1000.0	992.0
40°	959.8	955.1	959.8	958.6	959.8	962.0	959.8	957.4	950.5	958.6	951.7
42.5°	911.4	910.2	911.4	912.5	912.5	917.1	920.6	916.0	913.6	907.9	912.5
45°	859.5	857.2	859.5	861.8	863.0	865.2	875.6	875.6	872.2	863.0	869.9
47.5°	804.2	798.4	804.2	811.2	811.2	814.6	824.9	833.1	827.2	815.7	819.2
50°	745.4	746.6	745.4	750.0	750.0	762.8	770.8	778.9	784.7	770.8	754.7
52.5°	687.9	686.7	687.9	691.3	695.9	701.6	715.5	723.5	732.8	724.7	699.4
55°	630.2	632.6	630.2	631.4	633.7	637.1	657.9	666.0	683.2	672.9	646.4
57.5°	572.7	569.2	572.7	574.9	576.1	579.6	596.8	611.8	622.2	623.3	591.1
60°	505.8	501.2	505.8	516.2	518.5	520.8	536.9	550.8	559.9	563.4	530.0
62.5°	447.0	439.0	447.0	454.0	458.6	464.4	475.9	496.6	504.6	505.8	458.6
65°	384.8	381.3	384.8	398.6	399.8	406.7	419.4	434.4	451.6	449.4	381.3
67.5°	328.4	328.4	328.4	337.6	344.5	347.9	364.1	371.0	392.9	395.2	318.0
70°	276.5	275.4	276.5	283.4	288.0	296.1	311.1	319.2	336.4	342.2	258.1
72.5°	227.0	225.9	227.0	232.7	237.4	244.3	256.9	266.1	281.1	288.0	200.5
75°	183.2	180.9	183.2	187.8	186.6	195.9	206.2	215.5	229.3	233.9	148.6
77.5°	140.6	140.6	140.6	145.2	145.2	154.4	159.0	170.5	178.6	185.5	109.4
80°	104.8	103.7	104.8	106.0	106.0	110.6	118.7	126.7	133.7	133.7	74.9
82.5°	73.8	71.4	73.8	73.8	73.8	76.0	80.7	82.9	87.6	91.0	47.3
85°	46.0	46.0	46.0	47.3	46.0	48.4	49.5	51.9	51.9	49.5	28.8
87.5°	30.0	28.8	30.0	28.8	28.8	27.6	27.6	27.6	26.5	25.4	16.1
90°	17.2	17.2	17.2	17.2	17.2	22.8	30.4	34.3	29.5	19.9	12.6
92.5°	68.7	55.1	68.7	82.4	85.8	121.6	169.3	193.2	169.7	122.5	87.1
95°	239.5	198.2	239.5	280.9	291.3	382.5	504.0	564.8	477.0	301.5	169.8
97.5°	574.0	495.3	574.0	652.6	672.3	729.9	806.7	845.2	698.8	406.0	186.4
100°	826.9	733.2	826.9	920.6	944.1	939.9	934.2	931.4	769.0	444.1	200.5
102.5°	1075.8	995.6	1075.8	1156.1	1176.2	1102.8	1004.8	955.8	791.1	461.6	214.4
105°	1393.2	1350.0	1393.2	1436.2	1447.1	1282.4	1062.9	953.1	793.6	474.6	235.3
107.5°	1601.0	1611.4	1601.0	1590.5	1587.9	1358.3	1052.1	899.0	758.3	477.0	266.0
110°	1680.2	1725.1	1680.2	1635.3	1624.1	1367.3	1025.0	853.8	727.0	473.3	283.1



TEST NUMBER: P935632

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1687.3	1756.4	1687.3	1618.3	1601.1	1338.3	987.9	812.7	699.6	473.4	303.8
115°	1642.6	1738.3	1642.6	1546.8	1522.9	1269.8	932.2	763.5	668.2	477.9	335.0
117.5°	1547.7	1653.8	1547.7	1441.5	1415.0	1186.5	881.9	729.6	648.7	486.8	365.3
120°	1471.2	1574.4	1471.2	1368.1	1342.3	1133.6	855.3	716.1	642.1	494.0	382.9
122.5°	1396.7	1498.5	1396.7	1295.1	1269.6	1081.7	831.0	705.7	638.6	504.4	403.7
125°	1290.5	1384.3	1290.5	1196.9	1173.4	1013.7	800.9	694.4	635.7	518.3	430.3
127.5°	1195.0	1274.1	1195.0	1116.0	1096.2	959.2	776.3	684.9	634.1	532.3	456.0
130°	1138.8	1211.9	1138.8	1065.7	1047.5	925.4	762.7	681.3	635.1	542.6	473.2
132.5°	1087.7	1153.1	1087.7	1022.3	1006.0	896.7	751.0	678.2	635.7	550.9	487.2
135°	1017.8	1074.1	1017.8	961.4	947.3	855.8	733.8	672.8	635.1	559.8	503.4
137.5°	961.6	1007.7	961.6	915.4	903.9	826.5	723.4	671.8	639.0	573.4	524.2
140°	923.0	966.2	923.0	880.0	869.2	802.4	713.2	668.7	639.7	581.7	538.2
142.5°	891.1	928.3	891.1	854.0	844.7	786.1	707.8	668.7	642.0	588.6	548.6
145°	843.3	871.4	843.3	815.3	808.2	760.2	696.1	664.1	642.0	597.6	564.4
147.5°	806.5	829.8	806.5	783.3	777.5	739.7	689.3	664.1	646.4	610.9	584.3
150°	783.5	802.4	783.5	764.6	759.9	728.0	685.4	664.1	648.7	617.8	594.6
152.5°	763.6	777.9	763.6	749.4	745.9	718.6	682.3	664.1	650.2	622.4	601.4
155°	741.0	750.4	741.0	731.5	729.2	707.5	678.6	664.1	653.5	632.2	616.3
157.5°	723.0	729.6	723.0	716.4	714.7	697.9	675.4	664.1	656.8	642.2	631.2
160°	712.3	716.1	712.3	708.4	707.5	693.0	673.7	664.1	658.3	646.7	638.0
162.5°	705.3	708.9	705.3	701.6	700.8	688.6	672.3	664.1	660.0	651.5	645.2
165°	695.1	698.9	695.1	691.3	690.3	681.6	670.0	664.1	662.2	658.5	655.6
167.5°	687.9	689.4	687.9	686.3	685.9	680.1	672.5	668.7	667.1	663.9	661.4
170°	685.9	685.9	685.9	685.9	685.9	680.1	672.5	668.7	668.6	668.4	668.2
172.5°	680.4	679.1	680.4	681.8	682.2	677.7	671.6	668.7	668.7	668.7	668.7
175°	677.2	677.2	677.2	677.2	677.2	674.3	670.6	668.7	669.5	671.4	672.8
177.5°	674.3	672.8	674.3	675.9	676.3	674.1	671.0	669.5	670.2	671.7	672.8
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935632

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1235.1	1228.2	1228.2	1216.7	1212.0	1208.6	1202.9	1185.6	1181.0	1176.4	1183.3
5°	1245.5	1232.8	1223.6	1202.9	1185.6	1178.6	1156.8	1115.3	1087.6	1066.9	1055.4
7.5°	1247.8	1231.7	1214.4	1182.1	1140.6	1122.2	1055.4	979.4	958.6	940.1	928.6
10°	1245.5	1227.0	1202.9	1154.5	1056.6	1024.3	957.4	907.9	895.2	891.7	895.2
12.5°	1237.4	1220.1	1186.8	1106.1	969.0	947.1	907.9	879.1	876.8	882.6	913.6
15°	1223.6	1207.5	1168.3	1041.6	920.6	904.5	876.8	866.5	879.1	919.4	1012.8
17.5°	1209.8	1191.4	1143.0	978.2	883.7	872.2	852.6	873.3	944.8	998.9	1030.0
20°	1191.4	1169.5	1114.1	932.1	857.2	846.8	837.6	931.0	985.1	1004.7	1021.9
22.5°	1169.5	1146.4	1075.0	899.9	829.6	821.5	827.2	963.2	985.1	998.9	1013.9
25°	1140.6	1121.1	1028.9	874.5	807.7	798.4	820.3	959.8	972.4	975.9	1005.8
27.5°	1114.1	1088.8	980.5	851.5	781.2	777.7	826.1	944.8	954.0	957.4	989.7
30°	1081.8	1043.8	926.4	827.2	753.5	752.4	827.2	926.4	924.0	933.3	965.5
32.5°	1048.4	977.0	865.2	797.3	727.0	725.9	819.2	898.7	896.4	909.1	933.3
35°	1017.4	925.2	782.3	762.8	693.6	694.7	799.6	866.5	867.6	879.1	894.1
37.5°	985.1	880.2	691.3	724.7	661.4	661.4	773.1	836.5	834.2	837.6	858.3
40°	947.1	809.9	610.7	675.1	631.4	628.0	740.9	804.2	796.2	795.0	823.8
42.5°	906.7	732.8	550.8	609.5	596.8	592.2	701.6	765.0	750.0	753.5	790.4
45°	863.0	712.0	504.6	515.0	561.1	557.7	659.0	720.1	709.7	719.0	757.0
47.5°	819.2	670.6	489.6	427.5	523.0	521.9	611.8	676.3	670.6	679.8	720.1
50°	759.3	624.5	488.5	366.4	480.5	485.0	555.3	633.7	633.7	641.7	684.4
52.5°	682.1	568.0	443.6	331.8	430.9	444.7	505.8	596.8	599.1	607.2	645.2
55°	611.8	509.3	411.3	305.3	372.2	402.1	457.4	558.8	563.4	571.4	606.1
57.5°	547.3	424.0	404.4	274.3	318.0	346.8	414.7	521.9	524.3	531.2	564.6
60°	478.1	306.4	371.0	240.8	270.8	292.7	375.6	478.1	486.2	490.8	519.6
62.5°	399.8	222.4	336.4	217.7	247.7	252.4	343.3	436.6	447.0	450.5	467.8
65°	284.5	186.6	285.8	198.2	223.5	224.6	308.8	394.1	403.2	409.0	421.7
67.5°	192.4	152.1	217.7	179.7	205.1	206.2	275.4	344.5	357.2	361.8	369.8
70°	133.7	101.4	161.3	160.2	184.3	186.6	239.6	299.5	311.1	314.5	319.2
72.5°	97.9	81.8	133.7	144.1	162.5	164.7	202.7	248.9	260.4	263.9	266.1
75°	74.9	86.4	108.3	125.6	138.2	139.4	165.9	202.7	210.9	213.1	214.3
77.5°	59.9	80.7	79.5	101.4	112.9	110.6	130.2	156.7	163.6	163.6	163.6
80°	44.9	63.4	59.9	72.6	82.9	80.7	93.3	111.8	114.1	116.3	115.2
82.5°	33.4	40.3	40.3	46.0	55.3	53.0	62.2	72.6	72.6	72.6	74.9
85°	20.8	23.0	18.4	24.2	31.1	30.0	34.5	39.2	40.3	40.3	38.0
87.5°	12.6	10.4	5.8	9.2	13.9	13.9	16.1	17.3	16.1	16.1	16.1
90°	11.8	8.1	4.5	8.1	11.8	12.6	19.9	29.5	34.3	30.4	22.8
92.5°	79.4	48.7	18.1	48.7	79.4	87.1	122.5	169.7	193.2	169.3	121.6
95°	155.7	99.5	43.3	99.5	155.7	169.8	301.5	477.0	564.8	504.0	382.5
97.5°	174.1	124.4	74.9	124.4	174.1	186.4	406.0	698.8	845.2	806.7	729.9
100°	189.2	144.3	99.3	144.3	189.2	200.5	444.1	769.0	931.4	934.2	939.9
102.5°	204.0	162.0	120.1	162.0	204.0	214.4	461.6	791.1	955.8	1004.8	1102.8
105°	226.4	190.9	155.3	190.9	226.4	235.3	474.6	793.6	953.1	1062.9	1282.4
107.5°	257.7	224.5	191.4	224.5	257.7	266.0	477.0	758.3	899.0	1052.1	1358.3
110°	275.6	245.7	215.8	245.7	275.6	283.1	473.3	727.0	853.8	1025.0	1367.3



TEST NUMBER: P935632

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	296.7	268.2	239.7	268.2	296.7	303.8	473.4	699.6	812.7	987.9	1338.3
115°	328.5	302.2	275.8	302.2	328.5	335.0	477.9	668.2	763.5	932.2	1269.8
117.5°	359.4	335.5	311.6	335.5	359.4	365.3	486.8	648.7	729.6	881.9	1186.5
120°	377.3	354.8	332.3	354.8	377.3	382.9	494.0	642.1	716.1	855.3	1133.6
122.5°	398.0	375.3	352.7	375.3	398.0	403.7	504.4	638.6	705.7	831.0	1081.7
125°	425.1	404.4	383.8	404.4	425.1	430.3	518.3	635.7	694.4	800.9	1013.7
127.5°	450.8	429.9	409.1	429.9	450.8	456.0	532.3	634.1	684.9	776.3	959.2
130°	467.6	445.1	422.6	445.1	467.6	473.2	542.6	635.1	681.3	762.7	925.4
132.5°	481.6	459.1	436.6	459.1	481.6	487.2	550.9	635.7	678.2	751.0	896.7
135°	498.3	477.9	457.4	477.9	498.3	503.4	559.8	635.1	672.8	733.8	855.8
137.5°	519.1	498.8	478.6	498.8	519.1	524.2	573.4	639.0	671.8	723.4	826.5
140°	533.5	514.8	496.2	514.8	533.5	538.2	581.7	639.7	668.7	713.2	802.4
142.5°	544.2	527.0	509.7	527.0	544.2	548.6	588.6	642.0	668.7	707.8	786.1
145°	560.6	545.5	530.5	545.5	560.6	564.4	597.6	642.0	664.1	696.1	760.2
147.5°	580.6	566.0	551.3	566.0	580.6	584.3	610.9	646.4	664.1	689.3	739.7
150°	591.3	578.1	564.8	578.1	591.3	594.6	617.8	648.7	664.1	685.4	728.0
152.5°	598.9	588.9	578.9	588.9	598.9	601.4	622.4	650.2	664.1	682.3	718.6
155°	614.4	607.0	599.6	607.0	614.4	616.3	632.2	653.5	664.1	678.6	707.5
157.5°	629.3	622.2	615.0	622.2	629.3	631.2	642.2	656.8	664.1	675.4	697.9
160°	636.6	630.9	625.3	630.9	636.6	638.0	646.7	658.3	664.1	673.7	693.0
162.5°	644.2	639.9	635.7	639.9	644.2	645.2	651.5	660.0	664.1	672.3	688.6
165°	654.6	650.8	647.0	650.8	654.6	655.6	658.5	662.2	664.1	670.0	681.6
167.5°	661.0	659.2	657.4	659.2	661.0	661.4	663.9	667.1	668.7	672.5	680.1
170°	667.8	666.0	664.1	666.0	667.8	668.2	668.4	668.6	668.7	672.5	680.1
172.5°	668.6	668.2	667.8	668.2	668.6	668.7	668.7	668.7	668.7	671.6	677.7
175°	672.8	672.8	672.8	672.8	672.8	672.8	671.4	669.5	668.7	670.6	674.3
177.5°	672.8	672.8	672.8	672.8	672.8	672.8	671.7	670.2	669.5	671.0	674.1
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935632

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1175.2	1171.8	1176.4	1163.6	1176.4	1171.8	1175.2	1183.3	1176.4	1181.0	1185.6
5°	1031.2	1025.4	1007.0	992.0	1007.0	1025.4	1031.2	1055.4	1066.9	1087.6	1115.3
7.5°	921.7	917.1	912.5	903.3	912.5	917.1	921.7	928.6	940.1	958.6	979.4
10°	897.5	898.7	905.6	904.5	905.6	898.7	897.5	895.2	891.7	895.2	907.9
12.5°	959.8	970.1	1008.2	1005.8	1008.2	970.1	959.8	913.6	882.6	876.8	879.1
15°	1031.2	1034.7	1042.7	1043.8	1042.7	1034.7	1031.2	1012.8	919.4	879.1	866.5
17.5°	1038.1	1039.3	1045.0	1045.0	1045.0	1039.3	1038.1	1030.0	998.9	944.8	873.3
20°	1032.3	1034.7	1046.2	1048.4	1046.2	1034.7	1032.3	1021.9	1004.7	985.1	931.0
22.5°	1030.0	1034.7	1043.8	1042.7	1043.8	1034.7	1030.0	1013.9	998.9	985.1	963.2
25°	1018.5	1018.5	1019.7	1020.8	1019.7	1018.5	1018.5	1005.8	975.9	972.4	959.8
27.5°	994.3	996.6	1003.5	1002.4	1003.5	996.6	994.3	989.7	957.4	954.0	944.8
30°	972.4	970.1	964.4	959.8	964.4	970.1	972.4	965.5	933.3	924.0	926.4
32.5°	935.5	929.8	924.0	920.6	924.0	929.8	935.5	933.3	909.1	896.4	898.7
35°	891.7	893.0	891.7	888.3	891.7	893.0	891.7	894.1	879.1	867.6	866.5
37.5°	860.7	863.0	861.8	857.2	861.8	863.0	860.7	858.3	837.6	834.2	836.5
40°	828.4	829.6	828.4	824.9	828.4	829.6	828.4	823.8	795.0	796.2	804.2
42.5°	797.3	796.2	792.7	790.4	792.7	796.2	797.3	790.4	753.5	750.0	765.0
45°	761.5	762.8	755.8	752.4	755.8	762.8	761.5	757.0	719.0	709.7	720.1
47.5°	725.9	725.9	720.1	716.6	720.1	725.9	725.9	720.1	679.8	670.6	676.3
50°	687.9	686.7	678.6	677.5	678.6	686.7	687.9	684.4	641.7	633.7	633.7
52.5°	644.1	644.1	645.2	647.5	645.2	644.1	644.1	645.2	607.2	599.1	596.8
55°	606.1	607.2	615.2	617.6	615.2	607.2	606.1	606.1	571.4	563.4	558.8
57.5°	566.8	566.8	572.7	572.7	572.7	566.8	566.8	564.6	531.2	524.3	521.9
60°	521.9	524.3	528.8	527.7	528.8	524.3	521.9	519.6	490.8	486.2	478.1
62.5°	474.6	477.0	478.1	475.9	478.1	477.0	474.6	467.8	450.5	447.0	436.6
65°	425.1	427.5	428.6	426.3	428.6	427.5	425.1	421.7	409.0	403.2	394.1
67.5°	374.5	373.3	372.2	376.7	372.2	373.3	374.5	369.8	361.8	357.2	344.5
70°	322.6	322.6	321.4	323.8	321.4	322.6	322.6	319.2	314.5	311.1	299.5
72.5°	267.3	266.1	270.8	267.3	270.8	266.1	267.3	266.1	263.9	260.4	248.9
75°	213.1	215.5	213.1	216.6	213.1	215.5	213.1	214.3	213.1	210.9	202.7
77.5°	162.5	164.7	162.5	162.5	162.5	164.7	162.5	163.6	163.6	163.6	156.7
80°	115.2	114.1	114.1	112.9	114.1	114.1	115.2	115.2	116.3	114.1	111.8
82.5°	73.8	72.6	72.6	74.9	72.6	72.6	73.8	74.9	72.6	72.6	72.6
85°	40.3	41.5	39.2	39.2	39.2	41.5	40.3	38.0	40.3	40.3	39.2
87.5°	15.0	13.9	13.9	13.9	13.9	13.9	15.0	16.1	16.1	16.1	17.3
90°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	22.8	30.4	34.3	29.5
92.5°	85.8	82.4	68.7	55.1	68.7	82.4	85.8	121.6	169.3	193.2	169.7
95°	291.3	280.9	239.5	198.2	239.5	280.9	291.3	382.5	504.0	564.8	477.0
97.5°	672.3	652.6	574.0	495.3	574.0	652.6	672.3	729.9	806.7	845.2	698.8
100°	944.1	920.6	826.9	733.2	826.9	920.6	944.1	939.9	934.2	931.4	769.0
102.5°	1176.2	1156.1	1075.8	995.6	1075.8	1156.1	1176.2	1102.8	1004.8	955.8	791.1
105°	1447.1	1436.2	1393.2	1350.0	1393.2	1436.2	1447.1	1282.4	1062.9	953.1	793.6
107.5°	1587.9	1590.5	1601.0	1611.4	1601.0	1590.5	1587.9	1358.3	1052.1	899.0	758.3
110°	1624.1	1635.3	1680.2	1725.1	1680.2	1635.3	1624.1	1367.3	1025.0	853.8	727.0



TEST NUMBER: P935632

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1601.1	1618.3	1687.3	1756.4	1687.3	1618.3	1601.1	1338.3	987.9	812.7	699.6
115°	1522.9	1546.8	1642.6	1738.3	1642.6	1546.8	1522.9	1269.8	932.2	763.5	668.2
117.5°	1415.0	1441.5	1547.7	1653.8	1547.7	1441.5	1415.0	1186.5	881.9	729.6	648.7
120°	1342.3	1368.1	1471.2	1574.4	1471.2	1368.1	1342.3	1133.6	855.3	716.1	642.1
122.5°	1269.6	1295.1	1396.7	1498.5	1396.7	1295.1	1269.6	1081.7	831.0	705.7	638.6
125°	1173.4	1196.9	1290.5	1384.3	1290.5	1196.9	1173.4	1013.7	800.9	694.4	635.7
127.5°	1096.2	1116.0	1195.0	1274.1	1195.0	1116.0	1096.2	959.2	776.3	684.9	634.1
130°	1047.5	1065.7	1138.8	1211.9	1138.8	1065.7	1047.5	925.4	762.7	681.3	635.1
132.5°	1006.0	1022.3	1087.7	1153.1	1087.7	1022.3	1006.0	896.7	751.0	678.2	635.7
135°	947.3	961.4	1017.8	1074.1	1017.8	961.4	947.3	855.8	733.8	672.8	635.1
137.5°	903.9	915.4	961.6	1007.7	961.6	915.4	903.9	826.5	723.4	671.8	639.0
140°	869.2	880.0	923.0	966.2	923.0	880.0	869.2	802.4	713.2	668.7	639.7
142.5°	844.7	854.0	891.1	928.3	891.1	854.0	844.7	786.1	707.8	668.7	642.0
145°	808.2	815.3	843.3	871.4	843.3	815.3	808.2	760.2	696.1	664.1	642.0
147.5°	777.5	783.3	806.5	829.8	806.5	783.3	777.5	739.7	689.3	664.1	646.4
150°	759.9	764.6	783.5	802.4	783.5	764.6	759.9	728.0	685.4	664.1	648.7
152.5°	745.9	749.4	763.6	777.9	763.6	749.4	745.9	718.6	682.3	664.1	650.2
155°	729.2	731.5	741.0	750.4	741.0	731.5	729.2	707.5	678.6	664.1	653.5
157.5°	714.7	716.4	723.0	729.6	723.0	716.4	714.7	697.9	675.4	664.1	656.8
160°	707.5	708.4	712.3	716.1	712.3	708.4	707.5	693.0	673.7	664.1	658.3
162.5°	700.8	701.6	705.3	708.9	705.3	701.6	700.8	688.6	672.3	664.1	660.0
165°	690.3	691.3	695.1	698.9	695.1	691.3	690.3	681.6	670.0	664.1	662.2
167.5°	685.9	686.3	687.9	689.4	687.9	686.3	685.9	680.1	672.5	668.7	667.1
170°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	680.1	672.5	668.7	668.6
172.5°	682.2	681.8	680.4	679.1	680.4	681.8	682.2	677.7	671.6	668.7	668.7
175°	677.2	677.2	677.2	677.2	677.2	677.2	677.2	674.3	670.6	668.7	669.5
177.5°	676.3	675.9	674.3	672.8	674.3	675.9	676.3	674.1	671.0	669.5	670.2
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935632

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1202.9	1208.6	1212.0	1216.7	1228.2
5°	1156.8	1178.6	1185.6	1202.9	1223.6
7.5°	1055.4	1122.2	1140.6	1182.1	1214.4
10°	957.4	1024.3	1056.6	1154.5	1202.9
12.5°	907.9	947.1	969.0	1106.1	1186.8
15°	876.8	904.5	920.6	1041.6	1168.3
17.5°	852.6	872.2	883.7	978.2	1143.0
20°	837.6	846.8	857.2	932.1	1114.1
22.5°	827.2	821.5	829.6	899.9	1075.0
25°	820.3	798.4	807.7	874.5	1028.9
27.5°	826.1	777.7	781.2	851.5	980.5
30°	827.2	752.4	753.5	827.2	926.4
32.5°	819.2	725.9	727.0	797.3	865.2
35°	799.6	694.7	693.6	762.8	782.3
37.5°	773.1	661.4	661.4	724.7	691.3
40°	740.9	628.0	631.4	675.1	610.7
42.5°	701.6	592.2	596.8	609.5	550.8
45°	659.0	557.7	561.1	515.0	504.6
47.5°	611.8	521.9	523.0	427.5	489.6
50°	555.3	485.0	480.5	366.4	488.5
52.5°	505.8	444.7	430.9	331.8	443.6
55°	457.4	402.1	372.2	305.3	411.3
57.5°	414.7	346.8	318.0	274.3	404.4
60°	375.6	292.7	270.8	240.8	371.0
62.5°	343.3	252.4	247.7	217.7	336.4
65°	308.8	224.6	223.5	198.2	285.8
67.5°	275.4	206.2	205.1	179.7	217.7
70°	239.6	186.6	184.3	160.2	161.3
72.5°	202.7	164.7	162.5	144.1	133.7
75°	165.9	139.4	138.2	125.6	108.3
77.5°	130.2	110.6	112.9	101.4	79.5
80°	93.3	80.7	82.9	72.6	59.9
82.5°	62.2	53.0	55.3	46.0	40.3
85°	34.5	30.0	31.1	24.2	18.4
87.5°	16.1	13.9	13.9	9.2	5.8
90°	19.9	12.6	11.8	8.1	4.5
92.5°	122.5	87.1	79.4	48.7	18.1
95°	301.5	169.8	155.7	99.5	43.3
97.5°	406.0	186.4	174.1	124.4	74.9
100°	444.1	200.5	189.2	144.3	99.3
102.5°	461.6	214.4	204.0	162.0	120.1
105°	474.6	235.3	226.4	190.9	155.3
107.5°	477.0	266.0	257.7	224.5	191.4
110°	473.3	283.1	275.6	245.7	215.8



TEST NUMBER: P935632

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	473.4	303.8	296.7	268.2	239.7
115°	477.9	335.0	328.5	302.2	275.8
117.5°	486.8	365.3	359.4	335.5	311.6
120°	494.0	382.9	377.3	354.8	332.3
122.5°	504.4	403.7	398.0	375.3	352.7
125°	518.3	430.3	425.1	404.4	383.8
127.5°	532.3	456.0	450.8	429.9	409.1
130°	542.6	473.2	467.6	445.1	422.6
132.5°	550.9	487.2	481.6	459.1	436.6
135°	559.8	503.4	498.3	477.9	457.4
137.5°	573.4	524.2	519.1	498.8	478.6
140°	581.7	538.2	533.5	514.8	496.2
142.5°	588.6	548.6	544.2	527.0	509.7
145°	597.6	564.4	560.6	545.5	530.5
147.5°	610.9	584.3	580.6	566.0	551.3
150°	617.8	594.6	591.3	578.1	564.8
152.5°	622.4	601.4	598.9	588.9	578.9
155°	632.2	616.3	614.4	607.0	599.6
157.5°	642.2	631.2	629.3	622.2	615.0
160°	646.7	638.0	636.6	630.9	625.3
162.5°	651.5	645.2	644.2	639.9	635.7
165°	658.5	655.6	654.6	650.8	647.0
167.5°	663.9	661.4	661.0	659.2	657.4
170°	668.4	668.2	667.8	666.0	664.1
172.5°	668.7	668.7	668.6	668.2	667.8
175°	671.4	672.8	672.8	672.8	672.8
177.5°	671.7	672.8	672.8	672.8	672.8
180°	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935632
 CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-4-3000K

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	12.43	13.23	13.46	14.26	15.64	15.23	16.02	16.25	17.05	18.44
	3H	12.90	13.62	13.94	14.66	16.06	16.56	17.27	17.59	18.31	19.71
	4H	13.09	13.77	14.14	14.81	16.22	16.99	17.67	18.04	18.71	20.12
	6H	13.21	13.83	14.26	14.88	16.30	17.27	17.89	18.32	18.94	20.36
	8H	13.21	13.80	14.27	14.86	16.28	17.34	17.93	18.40	18.99	20.41
	12H	13.18	13.74	14.24	14.79	16.23	17.37	17.93	18.43	18.99	20.43
4H	2H	13.45	14.12	14.50	15.17	16.57	15.63	16.31	16.68	17.35	18.76
	3H	14.47	15.03	15.53	16.10	17.52	17.12	17.68	18.18	18.75	20.17
	4H	14.74	15.26	15.81	16.32	17.76	17.64	18.16	18.71	19.22	20.66
	6H	14.86	15.31	15.94	16.39	17.83	17.99	18.44	19.07	19.52	20.96
	8H	14.87	15.28	15.94	16.36	17.81	18.09	18.51	19.17	19.58	21.04
	12H	14.83	15.21	15.93	16.30	17.75	18.14	18.52	19.24	19.61	21.06
8H	4H	15.19	15.60	16.26	16.68	18.13	17.76	18.17	18.84	19.25	20.70
	6H	15.44	15.79	16.54	16.90	18.35	18.19	18.53	19.28	19.65	21.10
	8H	15.49	15.79	16.59	16.89	18.36	18.33	18.63	19.44	19.73	21.20
	12H	15.47	15.73	16.58	16.83	18.34	18.42	18.69	19.53	19.78	21.29
12H	4H	15.19	15.56	16.28	16.65	18.11	17.72	18.10	18.82	19.19	20.64
	6H	15.50	15.80	16.61	16.90	18.37	18.18	18.48	19.29	19.58	21.05
	8H	15.57	15.83	16.68	16.93	18.44	18.34	18.60	19.45	19.70	21.21