

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: P935232

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935232
REPORT IS A COMBINATION OF REPORTS P933746 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-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

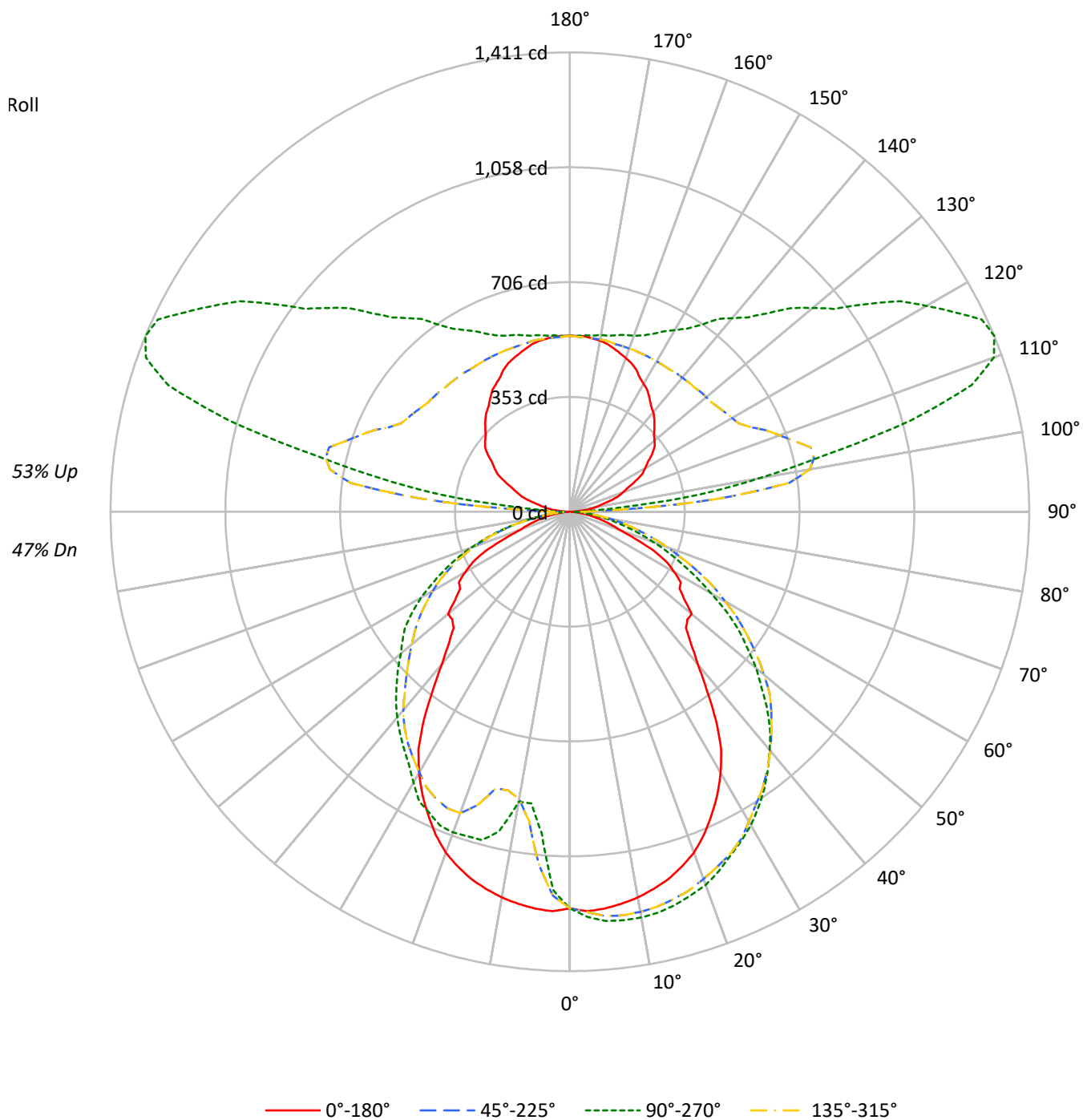
Lumens per Lamp: N/A
Luminaire Lumens: 6663.2 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 58
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: P935232

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

Luminous Intensity Polar Plot



TEST NUMBER: P935232

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14

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	1.6
10°-20°	312.1	4.7
20°-30°	482.5	7.2
30°-40°	576.0	8.6
40°-50°	579.4	8.7
50°-60°	504.1	7.6
60°-70°	357.4	5.4
70°-80°	189.1	2.8
80°-90°	49.2	0.7
90°-100°	263.4	4.0
100°-110°	692.6	10.4
110°-120°	718.2	10.8
120°-130°	576.0	8.6
130°-140°	452.0	6.8
140°-150°	346.9	5.2
150°-160°	249.8	3.7
160°-170°	152.9	2.3
170°-180°	51.6	0.8
0°-30°	904.5	13.6
0°-40°	1480.5	22.2
0°-60°	2564.0	38.5
0°-90°	3159.7	47.4
90°-120°	1674.2	25.1
90°-150°	3049.1	45.8
90°-180°	3504.0	52.6
0°-180°	6663.2	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	14	4	14	4	4
95°	35	159	35	159	35	39
105°	125	1084	125	1084	125	132
115°	222	1396	222	1396	222	219
125°	308	1112	308	1112	308	274
135°	368	863	368	863	368	284
145°	426	700	426	700	426	267
155°	482	603	482	603	482	221
165°	520	562	520	562	520	147
175°	540	544	540	544	540	51
180°	540	540	540	540	540	

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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°	3.7	6.5	9.4	10.1	16.0	23.7	27.6	24.5	18.4	13.8	13.8
92.5°	14.5	39.2	63.8	70.0	98.5	136.3	155.2	136.0	97.7	68.9	66.2
95°	34.8	80.0	125.1	136.4	242.2	383.2	453.7	404.9	307.2	234.0	225.7
97.5°	60.2	100.0	139.9	149.8	326.2	561.4	679.0	648.1	586.4	540.1	524.3
100°	79.8	115.9	152.0	161.1	356.8	617.8	748.3	750.6	755.0	758.4	739.6
102.5°	96.4	130.2	163.9	172.3	370.9	635.5	767.9	807.2	885.9	944.8	928.7
105°	124.8	153.3	181.8	189.0	381.3	637.5	765.7	853.9	1030.2	1162.5	1153.9
107.5°	153.8	180.4	207.0	213.6	383.2	609.1	722.1	845.2	1091.2	1275.7	1277.8
110°	173.4	197.4	221.4	227.4	380.2	584.0	685.9	823.4	1098.4	1304.7	1313.7

TEST NUMBER: P935232

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	192.6	215.5	238.3	244.1	380.4	562.0	652.9	793.6	1075.0	1286.2	1300.0
115°	221.6	242.7	263.8	269.1	383.9	536.9	613.4	749.0	1020.1	1223.5	1242.6
117.5°	250.3	269.5	288.6	293.4	391.0	521.1	586.2	708.5	953.2	1136.8	1158.1
120°	266.9	285.0	303.0	307.6	396.8	515.8	575.3	687.1	910.7	1078.4	1099.1
122.5°	283.3	301.5	319.8	324.3	405.1	513.0	566.9	667.5	868.9	1019.9	1040.3
125°	308.4	324.9	341.5	345.7	416.4	510.7	557.8	643.4	814.4	942.7	961.5
127.5°	328.6	345.3	362.2	366.3	427.6	509.4	550.3	623.7	770.5	880.7	896.5
130°	339.5	357.5	375.6	380.1	435.8	510.2	547.4	612.8	743.5	841.5	856.2
132.5°	350.7	368.8	386.8	391.4	442.5	510.7	544.8	603.3	720.3	808.1	821.3
135°	367.5	383.9	400.4	404.4	449.8	510.2	540.5	589.5	687.4	760.9	772.3
137.5°	384.5	400.8	417.0	421.1	460.6	513.4	539.7	581.1	664.0	726.1	735.4
140°	398.6	413.6	428.6	432.4	467.3	513.9	537.2	572.9	644.5	698.2	706.9
142.5°	409.5	423.4	437.2	440.7	472.9	515.7	537.2	568.6	631.4	678.6	686.1
145°	426.2	438.3	450.3	453.4	480.1	515.8	533.6	559.3	610.7	649.2	654.9
147.5°	442.9	454.7	466.4	469.3	490.8	519.3	533.6	553.8	594.3	624.6	629.3
150°	453.7	464.4	475.0	477.7	496.4	521.2	533.6	550.7	584.8	610.4	614.2
152.5°	465.0	473.0	481.1	483.1	499.9	522.3	533.6	548.2	577.3	599.2	602.1
155°	481.7	487.6	493.7	495.1	508.0	525.1	533.6	545.2	568.4	585.7	587.7
157.5°	494.0	499.8	505.6	507.1	515.9	527.7	533.6	542.6	560.6	574.1	575.5
160°	502.4	506.9	511.4	512.5	519.6	528.9	533.6	541.4	556.8	568.4	569.2
162.5°	510.7	514.1	517.5	518.3	523.4	530.2	533.6	540.1	553.1	562.9	563.6
165°	519.7	522.8	525.8	526.6	529.0	532.0	533.6	538.3	547.6	554.6	555.4
167.5°	528.1	529.6	531.1	531.4	533.3	535.9	537.2	540.2	546.3	551.0	551.3
170°	533.6	535.0	536.5	536.8	536.9	537.1	537.2	540.2	546.3	551.0	551.0
172.5°	536.5	536.8	537.1	537.2	537.2	537.2	537.2	539.6	544.4	548.1	547.8
175°	540.5	540.5	540.5	540.5	539.4	537.9	537.2	538.7	541.8	544.1	544.1
177.5°	540.5	540.5	540.5	540.5	539.6	538.5	537.9	539.1	541.5	543.4	543.0
180°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5

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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°	13.8	13.8	13.8	13.8	13.8	18.4	24.5	27.6	23.7	16.0	10.1
92.5°	55.2	44.2	55.2	66.2	68.9	97.7	136.0	155.2	136.3	98.5	70.0
95°	192.5	159.2	192.5	225.7	234.0	307.2	404.9	453.7	383.2	242.2	136.4
97.5°	461.0	397.9	461.0	524.3	540.1	586.4	648.1	679.0	561.4	326.2	149.8
100°	664.3	589.1	664.3	739.6	758.4	755.0	750.6	748.3	617.8	356.8	161.1
102.5°	864.3	799.8	864.3	928.7	944.8	885.9	807.2	767.9	635.5	370.9	172.3
105°	1119.2	1084.5	1119.2	1153.9	1162.5	1030.2	853.9	765.7	637.5	381.3	189.0
107.5°	1286.2	1294.5	1286.2	1277.8	1275.7	1091.2	845.2	722.1	609.1	383.2	213.6
110°	1349.8	1385.9	1349.8	1313.7	1304.7	1098.4	823.4	685.9	584.0	380.2	227.4

TEST NUMBER: P935232

CATALOG NUMBER: SQ4-FA-100U-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°	1355.5	1411.0	1355.5	1300.0	1286.2	1075.0	793.6	652.9	562.0	380.4	244.1
115°	1319.6	1396.5	1319.6	1242.6	1223.5	1020.1	749.0	613.4	536.9	383.9	269.1
117.5°	1243.3	1328.6	1243.3	1158.1	1136.8	953.2	708.5	586.2	521.1	391.0	293.4
120°	1182.0	1264.8	1182.0	1099.1	1078.4	910.7	687.1	575.3	515.8	396.8	307.6
122.5°	1122.1	1203.8	1122.1	1040.3	1019.9	868.9	667.5	566.9	513.0	405.1	324.3
125°	1036.8	1112.1	1036.8	961.5	942.7	814.4	643.4	557.8	510.7	416.4	345.7
127.5°	960.1	1023.6	960.1	896.5	880.7	770.5	623.7	550.3	509.4	427.6	366.3
130°	914.9	973.5	914.9	856.2	841.5	743.5	612.8	547.4	510.2	435.8	380.1
132.5°	873.8	926.4	873.8	821.3	808.1	720.3	603.3	544.8	510.7	442.5	391.4
135°	817.5	862.9	817.5	772.3	760.9	687.4	589.5	540.5	510.2	449.8	404.4
137.5°	772.5	809.6	772.5	735.4	726.1	664.0	581.1	539.7	513.4	460.6	421.1
140°	741.6	776.2	741.6	706.9	698.2	644.5	572.9	537.2	513.9	467.3	432.4
142.5°	715.9	745.8	715.9	686.1	678.6	631.4	568.6	537.2	515.7	472.9	440.7
145°	677.5	700.1	677.5	654.9	649.2	610.7	559.3	533.6	515.8	480.1	453.4
147.5°	648.0	666.7	648.0	629.3	624.6	594.3	553.8	533.6	519.3	490.8	469.3
150°	629.3	644.5	629.3	614.2	610.4	584.8	550.7	533.6	521.2	496.4	477.7
152.5°	613.5	625.0	613.5	602.1	599.2	577.3	548.2	533.6	522.3	499.9	483.1
155°	595.3	602.8	595.3	587.7	585.7	568.4	545.2	533.6	525.1	508.0	495.1
157.5°	580.9	586.2	580.9	575.5	574.1	560.6	542.6	533.6	527.7	515.9	507.1
160°	572.2	575.3	572.2	569.2	568.4	556.8	541.4	533.6	528.9	519.6	512.5
162.5°	566.6	569.4	566.6	563.6	562.9	553.1	540.1	533.6	530.2	523.4	518.3
165°	558.5	561.5	558.5	555.4	554.6	547.6	538.3	533.6	532.0	529.0	526.6
167.5°	552.5	553.8	552.5	551.3	551.0	546.3	540.2	537.2	535.9	533.3	531.4
170°	551.0	551.0	551.0	551.0	551.0	546.3	540.2	537.2	537.1	536.9	536.8
172.5°	546.7	545.5	546.7	547.8	548.1	544.4	539.6	537.2	537.2	537.2	537.2
175°	544.1	544.1	544.1	544.1	544.1	541.8	538.7	537.2	537.9	539.4	540.5
177.5°	541.8	540.5	541.8	543.0	543.4	541.5	539.1	537.9	538.5	539.6	540.5
180°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5

TEST NUMBER: P935232

CATALOG NUMBER: SQ4-FA-100U-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°	9.4	6.5	3.7	6.5	9.4	10.1	16.0	23.7	27.6	24.5	18.4
92.5°	63.8	39.2	14.5	39.2	63.8	70.0	98.5	136.3	155.2	136.0	97.7
95°	125.1	80.0	34.8	80.0	125.1	136.4	242.2	383.2	453.7	404.9	307.2
97.5°	139.9	100.0	60.2	100.0	139.9	149.8	326.2	561.4	679.0	648.1	586.4
100°	152.0	115.9	79.8	115.9	152.0	161.1	356.8	617.8	748.3	750.6	755.0
102.5°	163.9	130.2	96.4	130.2	163.9	172.3	370.9	635.5	767.9	807.2	885.9
105°	181.8	153.3	124.8	153.3	181.8	189.0	381.3	637.5	765.7	853.9	1030.2
107.5°	207.0	180.4	153.8	180.4	207.0	213.6	383.2	609.1	722.1	845.2	1091.2
110°	221.4	197.4	173.4	197.4	221.4	227.4	380.2	584.0	685.9	823.4	1098.4

TEST NUMBER: P935232

CATALOG NUMBER: SQ4-FA-100U-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°	238.3	215.5	192.6	215.5	238.3	244.1	380.4	562.0	652.9	793.6	1075.0
115°	263.8	242.7	221.6	242.7	263.8	269.1	383.9	536.9	613.4	749.0	1020.1
117.5°	288.6	269.5	250.3	269.5	288.6	293.4	391.0	521.1	586.2	708.5	953.2
120°	303.0	285.0	266.9	285.0	303.0	307.6	396.8	515.8	575.3	687.1	910.7
122.5°	319.8	301.5	283.3	301.5	319.8	324.3	405.1	513.0	566.9	667.5	868.9
125°	341.5	324.9	308.4	324.9	341.5	345.7	416.4	510.7	557.8	643.4	814.4
127.5°	362.2	345.3	328.6	345.3	362.2	366.3	427.6	509.4	550.3	623.7	770.5
130°	375.6	357.5	339.5	357.5	375.6	380.1	435.8	510.2	547.4	612.8	743.5
132.5°	386.8	368.8	350.7	368.8	386.8	391.4	442.5	510.7	544.8	603.3	720.3
135°	400.4	383.9	367.5	383.9	400.4	404.4	449.8	510.2	540.5	589.5	687.4
137.5°	417.0	400.8	384.5	400.8	417.0	421.1	460.6	513.4	539.7	581.1	664.0
140°	428.6	413.6	398.6	413.6	428.6	432.4	467.3	513.9	537.2	572.9	644.5
142.5°	437.2	423.4	409.5	423.4	437.2	440.7	472.9	515.7	537.2	568.6	631.4
145°	450.3	438.3	426.2	438.3	450.3	453.4	480.1	515.8	533.6	559.3	610.7
147.5°	466.4	454.7	442.9	454.7	466.4	469.3	490.8	519.3	533.6	553.8	594.3
150°	475.0	464.4	453.7	464.4	475.0	477.7	496.4	521.2	533.6	550.7	584.8
152.5°	481.1	473.0	465.0	473.0	481.1	483.1	499.9	522.3	533.6	548.2	577.3
155°	493.7	487.6	481.7	487.6	493.7	495.1	508.0	525.1	533.6	545.2	568.4
157.5°	505.6	499.8	494.0	499.8	505.6	507.1	515.9	527.7	533.6	542.6	560.6
160°	511.4	506.9	502.4	506.9	511.4	512.5	519.6	528.9	533.6	541.4	556.8
162.5°	517.5	514.1	510.7	514.1	517.5	518.3	523.4	530.2	533.6	540.1	553.1
165°	525.8	522.8	519.7	522.8	525.8	526.6	529.0	532.0	533.6	538.3	547.6
167.5°	531.1	529.6	528.1	529.6	531.1	531.4	533.3	535.9	537.2	540.2	546.3
170°	536.5	535.0	533.6	535.0	536.5	536.8	536.9	537.1	537.2	540.2	546.3
172.5°	537.1	536.8	536.5	536.8	537.1	537.2	537.2	537.2	537.2	539.6	544.4
175°	540.5	540.5	540.5	540.5	540.5	540.5	539.4	537.9	537.2	538.7	541.8
177.5°	540.5	540.5	540.5	540.5	540.5	540.5	539.6	538.5	537.9	539.1	541.5
180°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5

TEST NUMBER: P935232

CATALOG NUMBER: SQ4-FA-100U-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°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	18.4	24.5	27.6	23.7
92.5°	68.9	66.2	55.2	44.2	55.2	66.2	68.9	97.7	136.0	155.2	136.3
95°	234.0	225.7	192.5	159.2	192.5	225.7	234.0	307.2	404.9	453.7	383.2
97.5°	540.1	524.3	461.0	397.9	461.0	524.3	540.1	586.4	648.1	679.0	561.4
100°	758.4	739.6	664.3	589.1	664.3	739.6	758.4	755.0	750.6	748.3	617.8
102.5°	944.8	928.7	864.3	799.8	864.3	928.7	944.8	885.9	807.2	767.9	635.5
105°	1162.5	1153.9	1119.2	1084.5	1119.2	1153.9	1162.5	1030.2	853.9	765.7	637.5
107.5°	1275.7	1277.8	1286.2	1294.5	1286.2	1277.8	1275.7	1091.2	845.2	722.1	609.1
110°	1304.7	1313.7	1349.8	1385.9	1349.8	1313.7	1304.7	1098.4	823.4	685.9	584.0

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1286.2	1300.0	1355.5	1411.0	1355.5	1300.0	1286.2	1075.0	793.6	652.9	562.0
115°	1223.5	1242.6	1319.6	1396.5	1319.6	1242.6	1223.5	1020.1	749.0	613.4	536.9
117.5°	1136.8	1158.1	1243.3	1328.6	1243.3	1158.1	1136.8	953.2	708.5	586.2	521.1
120°	1078.4	1099.1	1182.0	1264.8	1182.0	1099.1	1078.4	910.7	687.1	575.3	515.8
122.5°	1019.9	1040.3	1122.1	1203.8	1122.1	1040.3	1019.9	868.9	667.5	566.9	513.0
125°	942.7	961.5	1036.8	1112.1	1036.8	961.5	942.7	814.4	643.4	557.8	510.7
127.5°	880.7	896.5	960.1	1023.6	960.1	896.5	880.7	770.5	623.7	550.3	509.4
130°	841.5	856.2	914.9	973.5	914.9	856.2	841.5	743.5	612.8	547.4	510.2
132.5°	808.1	821.3	873.8	926.4	873.8	821.3	808.1	720.3	603.3	544.8	510.7
135°	760.9	772.3	817.5	862.9	817.5	772.3	760.9	687.4	589.5	540.5	510.2
137.5°	726.1	735.4	772.5	809.6	772.5	735.4	726.1	664.0	581.1	539.7	513.4
140°	698.2	706.9	741.6	776.2	741.6	706.9	698.2	644.5	572.9	537.2	513.9
142.5°	678.6	686.1	715.9	745.8	715.9	686.1	678.6	631.4	568.6	537.2	515.7
145°	649.2	654.9	677.5	700.1	677.5	654.9	649.2	610.7	559.3	533.6	515.8
147.5°	624.6	629.3	648.0	666.7	648.0	629.3	624.6	594.3	553.8	533.6	519.3
150°	610.4	614.2	629.3	644.5	629.3	614.2	610.4	584.8	550.7	533.6	521.2
152.5°	599.2	602.1	613.5	625.0	613.5	602.1	599.2	577.3	548.2	533.6	522.3
155°	585.7	587.7	595.3	602.8	595.3	587.7	585.7	568.4	545.2	533.6	525.1
157.5°	574.1	575.5	580.9	586.2	580.9	575.5	574.1	560.6	542.6	533.6	527.7
160°	568.4	569.2	572.2	575.3	572.2	569.2	568.4	556.8	541.4	533.6	528.9
162.5°	562.9	563.6	566.6	569.4	566.6	563.6	562.9	553.1	540.1	533.6	530.2
165°	554.6	555.4	558.5	561.5	558.5	555.4	554.6	547.6	538.3	533.6	532.0
167.5°	551.0	551.3	552.5	553.8	552.5	551.3	551.0	546.3	540.2	537.2	535.9
170°	551.0	551.0	551.0	551.0	551.0	551.0	551.0	546.3	540.2	537.2	537.1
172.5°	548.1	547.8	546.7	545.5	546.7	547.8	548.1	544.4	539.6	537.2	537.2
175°	544.1	544.1	544.1	544.1	544.1	544.1	544.1	541.8	538.7	537.2	537.9
177.5°	543.4	543.0	541.8	540.5	541.8	543.0	543.4	541.5	539.1	537.9	538.5
180°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5

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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°	16.0	10.1	9.4	6.5	3.7
92.5°	98.5	70.0	63.8	39.2	14.5
95°	242.2	136.4	125.1	80.0	34.8
97.5°	326.2	149.8	139.9	100.0	60.2
100°	356.8	161.1	152.0	115.9	79.8
102.5°	370.9	172.3	163.9	130.2	96.4
105°	381.3	189.0	181.8	153.3	124.8
107.5°	383.2	213.6	207.0	180.4	153.8
110°	380.2	227.4	221.4	197.4	173.4

TEST NUMBER: P935232

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	380.4	244.1	238.3	215.5	192.6
115°	383.9	269.1	263.8	242.7	221.6
117.5°	391.0	293.4	288.6	269.5	250.3
120°	396.8	307.6	303.0	285.0	266.9
122.5°	405.1	324.3	319.8	301.5	283.3
125°	416.4	345.7	341.5	324.9	308.4
127.5°	427.6	366.3	362.2	345.3	328.6
130°	435.8	380.1	375.6	357.5	339.5
132.5°	442.5	391.4	386.8	368.8	350.7
135°	449.8	404.4	400.4	383.9	367.5
137.5°	460.6	421.1	417.0	400.8	384.5
140°	467.3	432.4	428.6	413.6	398.6
142.5°	472.9	440.7	437.2	423.4	409.5
145°	480.1	453.4	450.3	438.3	426.2
147.5°	490.8	469.3	466.4	454.7	442.9
150°	496.4	477.7	475.0	464.4	453.7
152.5°	499.9	483.1	481.1	473.0	465.0
155°	508.0	495.1	493.7	487.6	481.7
157.5°	515.9	507.1	505.6	499.8	494.0
160°	519.6	512.5	511.4	506.9	502.4
162.5°	523.4	518.3	517.5	514.1	510.7
165°	529.0	526.6	525.8	522.8	519.7
167.5°	533.3	531.4	531.1	529.6	528.1
170°	536.9	536.8	536.5	535.0	533.6
172.5°	537.2	537.2	537.1	536.8	536.5
175°	539.4	540.5	540.5	540.5	540.5
177.5°	539.6	540.5	540.5	540.5	540.5
180°	540.5	540.5	540.5	540.5	540.5

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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	12.97	13.81	13.95	14.81	16.11	15.77	16.61	16.75	17.60	18.91
	3H	13.45	14.20	14.44	15.20	16.53	17.11	17.86	18.10	18.86	20.19
	4H	13.64	14.35	14.64	15.36	16.69	17.54	18.25	18.55	19.26	20.60
	6H	13.76	14.41	14.77	15.42	16.77	17.82	18.47	18.83	19.48	20.83
	8H	13.76	14.38	14.78	15.41	16.75	17.89	18.51	18.91	19.54	20.88
	12H	13.73	14.32	14.75	15.34	16.71	17.92	18.51	18.95	19.53	20.90
4H	2H	14.00	14.71	15.01	15.71	17.05	16.18	16.89	17.19	17.90	19.23
	3H	15.02	15.61	16.04	16.65	18.00	17.67	18.27	18.69	19.30	20.65
	4H	15.30	15.84	16.32	16.86	18.24	18.19	18.74	19.22	19.76	21.14
	6H	15.42	15.89	16.46	16.94	18.31	18.55	19.02	19.59	20.07	21.44
	8H	15.43	15.86	16.46	16.90	18.29	18.65	19.09	19.69	20.13	21.51
	12H	15.39	15.79	16.45	16.84	18.23	18.70	19.10	19.76	20.15	21.54
8H	4H	15.74	16.18	16.78	17.22	18.61	18.32	18.75	19.36	19.80	21.18
	6H	16.00	16.36	17.07	17.45	18.83	18.75	19.11	19.81	20.19	21.57
	8H	16.05	16.36	17.12	17.43	18.83	18.89	19.21	19.96	20.28	21.68
	12H	16.03	16.31	17.10	17.37	18.81	18.98	19.26	20.06	20.33	21.77
12H	4H	15.75	16.14	16.80	17.20	18.59	18.28	18.68	19.34	19.73	21.12
	6H	16.06	16.38	17.13	17.45	18.85	18.74	19.06	19.81	20.13	21.53
	8H	16.13	16.41	17.20	17.47	18.91	18.90	19.18	19.97	20.24	21.68

END OF REPORT