

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: P935139

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935139
REPORT IS A COMBINATION OF REPORTS P933743 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

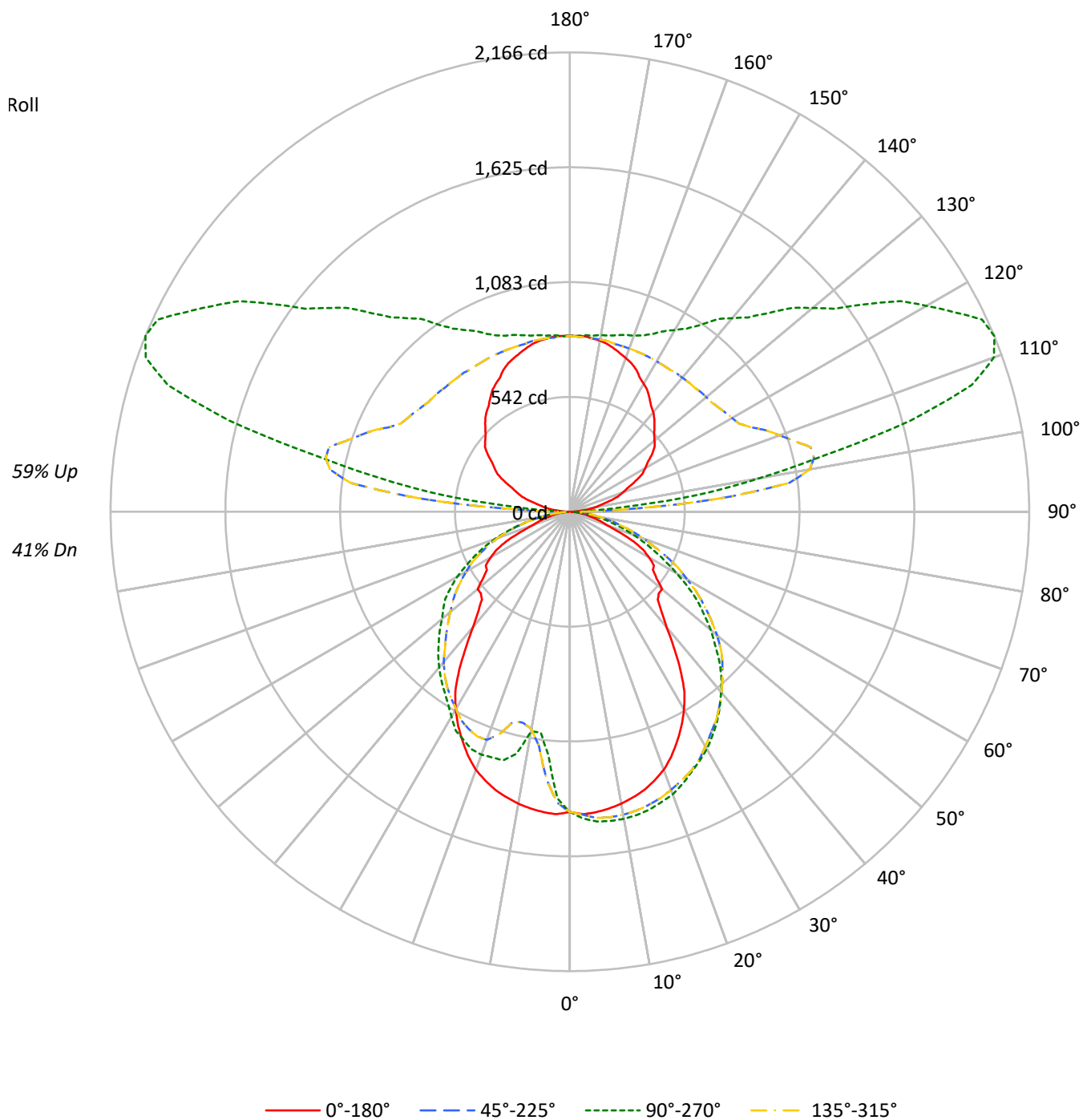
Lumens per Lamp: N/A
Luminaire Lumens: 9052.0 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 73.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-6-3500K

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41	41	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34	34	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29	29	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24	24	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21	21	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18	18	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16	16	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14	14	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13	13	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11	11	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10	10	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8755	8755	8755	8755
5°	8817	8838	8817	6949
10°	8755	8705	8755	6224
15°	8657	8517	8657	7112
20°	8472	8293	8472	7127
25°	8099	7968	8099	6976
30°	7616	7697	7616	6644
35°	6786	7355	6786	6280
40°	5651	6952	5651	6005
45°	5047	6481	5047	5688
50°	5357	5918	5357	5370
55°	5035	5312	5035	5186
60°	5184	4511	5184	4750
65°	4693	3730	4693	4169
70°	3243	2972	3243	3494
75°	2833	2197	2833	2631
80°	2265	1452	2265	1581
85°	1276	770	1276	654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 7740 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	1.4
10°-20°	362.7	4.0
20°-30°	560.7	6.2
30°-40°	669.4	7.4
40°-50°	673.3	7.4
50°-60°	585.8	6.5
60°-70°	415.4	4.6
70°-80°	219.7	2.4
80°-90°	57.9	0.6
90°-100°	404.5	4.5
100°-110°	1063.4	11.7
110°-120°	1102.7	12.2
120°-130°	884.5	9.8
130°-140°	694.0	7.7
140°-150°	532.7	5.9
150°-160°	383.6	4.2
160°-170°	234.7	2.6
170°-180°	79.3	0.9
0°-30°	1051.2	11.6
0°-40°	1720.5	19.0
0°-60°	2979.6	32.9
0°-90°	3672.7	40.6
90°-120°	2570.6	28.4
90°-150°	4681.7	51.7
90°-180°	5379.0	59.4
0°-180°	9052.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1415	1415	1415	1415	1415	
5°	1422	1466	1422	1153	1422	135
15°	1358	1453	1358	1213	1358	382
25°	1196	1355	1196	1186	1196	549
35°	909	1209	909	1032	909	562
45°	586	996	586	874	586	470
55°	478	735	478	718	478	439
65°	332	443	332	495	332	317
75°	126	210	126	252	126	132
85°	21	54	21	46	21	29
90°	6	21	6	21	6	5
95°	54	244	54	244	54	59
105°	192	1665	192	1665	192	203
115°	340	2144	340	2144	340	336
125°	473	1708	473	1708	473	420
135°	564	1325	564	1325	564	436
145°	654	1075	654	1075	654	410
155°	740	926	740	926	740	340
165°	798	862	798	862	798	225
175°	830	835	830	835	830	79
180°	830	830	830	830	830	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1427.3	1427.3	1435.3	1438.0	1438.0	1434.0	1430.0	1434.0	1446.0	1450.1	1448.7
5°	1421.9	1432.7	1447.4	1450.1	1452.7	1451.4	1448.7	1451.4	1464.8	1467.5	1468.8
7.5°	1411.2	1431.3	1450.1	1454.1	1458.1	1454.1	1452.7	1455.4	1468.8	1471.5	1471.5
10°	1397.8	1426.0	1447.4	1450.1	1454.1	1450.1	1450.1	1455.4	1468.8	1471.5	1472.8
12.5°	1379.1	1417.9	1438.0	1440.7	1446.0	1444.7	1443.4	1448.7	1462.1	1464.8	1464.8
15°	1357.7	1403.2	1421.9	1424.6	1434.0	1431.3	1431.3	1436.7	1451.4	1455.4	1454.1
17.5°	1328.2	1384.5	1405.9	1409.9	1416.6	1415.2	1416.6	1421.9	1435.3	1438.0	1439.3
20°	1294.7	1359.0	1384.5	1388.5	1395.2	1395.2	1395.2	1401.9	1415.2	1420.6	1420.6
22.5°	1249.2	1332.2	1359.0	1361.7	1369.7	1369.7	1372.4	1381.8	1393.8	1395.2	1395.2
25°	1195.7	1302.8	1325.5	1333.6	1341.6	1345.6	1349.6	1355.0	1359.0	1357.7	1359.0
27.5°	1139.4	1265.3	1294.7	1300.1	1310.8	1314.8	1320.2	1321.5	1322.9	1326.9	1324.2
30°	1076.5	1213.1	1257.3	1262.6	1280.0	1282.7	1277.3	1280.0	1286.7	1289.4	1292.1
32.5°	1005.5	1135.4	1218.4	1230.5	1246.5	1238.5	1237.2	1241.2	1251.9	1251.9	1254.6
35°	909.1	1075.2	1182.3	1193.0	1205.0	1195.7	1201.0	1202.4	1209.1	1213.1	1211.7
37.5°	803.4	1022.9	1144.8	1152.8	1162.2	1150.1	1158.2	1162.2	1167.5	1164.9	1164.9
40°	709.6	941.3	1100.6	1106.0	1114.0	1104.6	1112.7	1115.3	1118.0	1115.3	1114.0
42.5°	640.0	851.6	1053.7	1060.4	1055.1	1061.8	1064.4	1069.8	1065.8	1060.4	1060.4
45°	586.5	827.5	1002.9	1010.9	1002.9	1013.6	1017.6	1017.6	1005.5	1002.9	1001.5
47.5°	569.0	779.3	952.0	952.0	948.0	961.4	968.0	958.7	946.6	942.6	942.6
50°	567.7	725.7	882.4	877.0	895.7	911.8	905.1	895.7	886.4	871.6	871.6
52.5°	515.5	660.1	792.6	812.7	842.2	851.6	840.8	831.5	815.4	808.7	803.4
55°	478.0	591.8	711.0	751.1	781.9	794.0	773.9	764.5	740.4	736.4	733.7
57.5°	470.0	492.7	636.0	686.9	724.4	723.0	711.0	693.6	673.5	669.5	668.1
60°	431.1	356.2	555.7	615.9	654.7	650.7	640.0	623.9	605.2	602.5	599.8
62.5°	391.0	258.4	464.6	532.9	587.8	586.5	577.1	553.0	539.6	532.9	527.5
65°	332.1	216.9	330.7	443.2	522.2	524.9	504.8	487.4	472.6	464.6	463.3
67.5°	253.1	176.7	223.6	369.5	459.3	456.6	431.1	423.1	404.4	400.3	392.3
70°	187.5	117.8	155.3	299.9	397.7	391.0	370.9	361.5	344.1	334.7	329.4
72.5°	155.3	95.1	113.8	233.0	334.7	326.7	309.3	298.6	283.9	275.8	270.5
75°	125.9	100.4	87.0	172.7	271.8	266.4	250.4	239.7	227.6	216.9	218.2
77.5°	92.4	93.7	69.6	127.2	215.6	207.5	198.2	184.8	179.4	168.7	168.7
80°	69.6	73.6	52.2	87.0	155.3	155.3	147.3	137.9	128.5	123.2	123.2
82.5°	46.9	46.9	38.8	54.9	105.8	101.8	96.4	93.7	88.4	85.7	85.7
85°	21.4	26.8	24.1	33.5	57.6	60.3	60.3	57.6	56.2	53.6	54.9
87.5°	6.7	12.1	14.7	18.7	29.5	30.8	32.1	32.1	32.1	33.5	33.5
90°	5.5	10.0	14.5	15.6	24.5	36.4	42.3	37.6	28.2	21.2	21.2
92.5°	22.3	60.2	98.0	107.5	151.1	209.2	238.3	208.9	150.0	105.8	101.6
95°	53.5	122.7	192.1	209.4	371.9	588.4	696.7	621.7	471.7	359.2	346.4
97.5°	92.5	153.6	214.8	230.0	500.8	862.0	1042.6	995.2	900.4	829.2	805.0
100°	122.6	178.0	233.4	247.3	547.8	948.5	1148.9	1152.4	1159.3	1164.5	1135.6
102.5°	148.2	199.9	251.6	264.6	569.4	975.8	1179.0	1239.4	1360.2	1450.8	1426.0
105°	191.6	235.4	279.2	290.2	585.4	978.9	1175.7	1311.1	1581.8	1784.9	1771.6
107.5°	236.1	277.0	317.9	328.0	588.3	935.3	1108.8	1297.7	1675.4	1958.7	1961.9
110°	266.2	303.0	340.0	349.2	583.9	896.7	1053.1	1264.2	1686.5	2003.2	2017.1

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	295.7	330.9	366.1	374.8	584.0	863.0	1002.4	1218.5	1650.7	1974.8	1996.1
115°	340.3	372.7	405.1	413.2	589.4	824.2	941.7	1149.9	1566.3	1878.5	1908.1
117.5°	384.3	413.7	443.2	450.5	600.3	800.1	899.9	1087.8	1463.5	1745.3	1778.1
120°	409.9	437.7	465.3	472.3	609.3	791.9	883.2	1054.9	1398.2	1655.7	1687.5
122.5°	435.0	462.9	490.9	497.9	622.1	787.6	870.5	1025.1	1334.2	1566.0	1597.4
125°	473.4	498.9	524.4	530.8	639.4	784.2	856.6	987.9	1250.5	1447.5	1476.4
127.5°	504.6	530.3	556.1	562.5	656.6	782.1	844.9	957.6	1183.1	1352.2	1376.6
130°	521.3	549.1	576.7	583.7	669.3	783.4	840.4	940.7	1141.5	1292.1	1314.6
132.5°	538.5	566.3	593.9	600.9	679.5	784.2	836.5	926.4	1106.0	1240.8	1261.0
135°	564.1	589.4	614.7	621.0	690.6	783.4	829.8	905.0	1055.5	1168.4	1185.8
137.5°	590.3	615.3	640.4	646.6	707.3	788.3	828.7	892.4	1019.6	1115.0	1129.2
140°	612.1	635.1	658.1	663.8	717.5	789.0	824.8	879.8	989.6	1072.0	1085.3
142.5°	628.8	650.1	671.3	676.7	726.1	791.8	824.8	873.1	969.6	1042.0	1053.4
145°	654.4	672.9	691.5	696.2	737.2	791.9	819.2	858.7	937.7	996.9	1005.5
147.5°	680.0	698.0	716.1	720.6	753.5	797.3	819.2	850.3	912.4	959.0	966.2
150°	696.7	713.0	729.4	733.5	762.0	800.1	819.2	845.5	897.9	937.3	943.1
152.5°	714.0	726.4	738.7	741.9	767.7	802.0	819.2	841.7	886.5	920.0	924.4
155°	739.6	748.7	757.8	760.2	779.9	806.1	819.2	837.1	872.7	899.4	902.3
157.5°	758.5	767.5	776.3	778.5	792.1	810.2	819.2	833.1	860.8	881.6	883.7
160°	771.3	778.3	785.2	786.9	797.7	812.1	819.2	831.1	854.9	872.7	873.9
162.5°	784.2	789.3	794.5	795.9	803.6	814.1	819.2	829.2	849.3	864.3	865.4
165°	798.1	802.7	807.5	808.6	812.2	816.9	819.2	826.4	840.8	851.6	852.7
167.5°	810.9	813.1	815.3	815.9	818.8	822.8	824.8	829.5	838.9	845.9	846.5
170°	819.2	821.5	823.7	824.2	824.4	824.7	824.8	829.5	838.9	845.9	845.9
172.5°	823.7	824.2	824.7	824.8	824.8	824.8	824.8	828.5	835.9	841.5	841.0
175°	829.8	829.8	829.8	829.8	828.1	825.9	824.8	827.1	831.8	835.4	835.4
177.5°	829.8	829.8	829.8	829.8	828.5	826.8	825.9	827.8	831.5	834.2	833.7
180°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1451.4	1447.4	1451.4	1448.7	1450.1	1446.0	1434.0	1430.0	1434.0	1438.0	1438.0
5°	1468.8	1466.1	1468.8	1468.8	1467.5	1464.8	1451.4	1448.7	1451.4	1452.7	1450.1
7.5°	1474.2	1470.1	1474.2	1471.5	1471.5	1468.8	1455.4	1452.7	1454.1	1458.1	1454.1
10°	1474.2	1470.1	1474.2	1472.8	1471.5	1468.8	1455.4	1450.1	1450.1	1454.1	1450.1
12.5°	1467.5	1464.8	1467.5	1464.8	1464.8	1462.1	1448.7	1443.4	1444.7	1446.0	1440.7
15°	1456.8	1452.7	1456.8	1454.1	1455.4	1451.4	1436.7	1431.3	1431.3	1434.0	1424.6
17.5°	1440.7	1435.3	1440.7	1439.3	1438.0	1435.3	1421.9	1416.6	1415.2	1416.6	1409.9
20°	1421.9	1417.9	1421.9	1420.6	1420.6	1415.2	1401.9	1395.2	1395.2	1395.2	1388.5
22.5°	1392.5	1388.5	1392.5	1395.2	1395.2	1393.8	1381.8	1372.4	1369.7	1369.7	1361.7
25°	1359.0	1355.0	1359.0	1359.0	1357.7	1359.0	1355.0	1349.6	1345.6	1341.6	1333.6
27.5°	1326.9	1324.2	1326.9	1324.2	1326.9	1322.9	1321.5	1320.2	1314.8	1310.8	1300.1
30°	1294.7	1292.1	1294.7	1292.1	1289.4	1286.7	1280.0	1277.3	1282.7	1280.0	1262.6
32.5°	1254.6	1251.9	1254.6	1254.6	1251.9	1251.9	1241.2	1237.2	1238.5	1246.5	1230.5
35°	1213.1	1209.1	1213.1	1211.7	1213.1	1209.1	1202.4	1201.0	1195.7	1205.0	1193.0
37.5°	1164.9	1160.9	1164.9	1164.9	1164.9	1167.5	1162.2	1158.2	1150.1	1162.2	1152.8
40°	1115.3	1110.0	1115.3	1114.0	1115.3	1118.0	1115.3	1112.7	1104.6	1114.0	1106.0
42.5°	1059.1	1057.8	1059.1	1060.4	1060.4	1065.8	1069.8	1064.4	1061.8	1055.1	1060.4
45°	998.8	996.2	998.8	1001.5	1002.9	1005.5	1017.6	1017.6	1013.6	1002.9	1010.9
47.5°	934.6	927.9	934.6	942.6	942.6	946.6	958.7	968.0	961.4	948.0	952.0
50°	866.3	867.6	866.3	871.6	871.6	886.4	895.7	905.1	911.8	895.7	877.0
52.5°	799.3	798.0	799.3	803.4	808.7	815.4	831.5	840.8	851.6	842.2	812.7
55°	732.4	735.1	732.4	733.7	736.4	740.4	764.5	773.9	794.0	781.9	751.1
57.5°	665.4	661.4	665.4	668.1	669.5	673.5	693.6	711.0	723.0	724.4	686.9
60°	587.8	582.4	587.8	599.8	602.5	605.2	623.9	640.0	650.7	654.7	615.9
62.5°	519.5	510.1	519.5	527.5	532.9	539.6	553.0	577.1	586.5	587.8	532.9
65°	447.2	443.2	447.2	463.3	464.6	472.6	487.4	504.8	524.9	522.2	443.2
67.5°	381.6	381.6	381.6	392.3	400.3	404.4	423.1	431.1	456.6	459.3	369.5
70°	321.3	320.0	321.3	329.4	334.7	344.1	361.5	370.9	391.0	397.7	299.9
72.5°	263.8	262.4	263.8	270.5	275.8	283.9	298.6	309.3	326.7	334.7	233.0
75°	212.9	210.2	212.9	218.2	216.9	227.6	239.7	250.4	266.4	271.8	172.7
77.5°	163.3	163.3	163.3	168.7	168.7	179.4	184.8	198.2	207.5	215.6	127.2
80°	121.8	120.5	121.8	123.2	123.2	128.5	137.9	147.3	155.3	155.3	87.0
82.5°	85.7	83.0	85.7	85.7	85.7	88.4	93.7	96.4	101.8	105.8	54.9
85°	53.6	53.6	53.6	54.9	53.6	56.2	57.6	60.3	60.3	57.6	33.5
87.5°	34.8	33.5	34.8	33.5	33.5	32.1	32.1	32.1	30.8	29.5	18.7
90°	21.2	21.2	21.2	21.2	21.2	28.2	37.6	42.3	36.4	24.5	15.6
92.5°	84.7	67.9	84.7	101.6	105.8	150.0	208.9	238.3	209.2	151.1	107.5
95°	295.5	244.5	295.5	346.4	359.2	471.7	621.7	696.7	588.4	371.9	209.4
97.5°	707.9	610.9	707.9	805.0	829.2	900.4	995.2	1042.6	862.0	500.8	230.0
100°	1020.0	904.4	1020.0	1135.6	1164.5	1159.3	1152.4	1148.9	948.5	547.8	247.3
102.5°	1327.0	1228.0	1327.0	1426.0	1450.8	1360.2	1239.4	1179.0	975.8	569.4	264.6
105°	1718.4	1665.2	1718.4	1771.6	1784.9	1581.8	1311.1	1175.7	978.9	585.4	290.2
107.5°	1974.8	1987.7	1974.8	1961.9	1958.7	1675.4	1297.7	1108.8	935.3	588.3	328.0
110°	2072.6	2128.0	2072.6	2017.1	2003.2	1686.5	1264.2	1053.1	896.7	583.9	349.2

TEST NUMBER: P935139

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2081.2	2166.4	2081.2	1996.1	1974.8	1650.7	1218.5	1002.4	863.0	584.0	374.8
115°	2026.1	2144.2	2026.1	1908.1	1878.5	1566.3	1149.9	941.7	824.2	589.4	413.2
117.5°	1909.0	2040.0	1909.0	1778.1	1745.3	1463.5	1087.8	899.9	800.1	600.3	450.5
120°	1814.8	1942.0	1814.8	1687.5	1655.7	1398.2	1054.9	883.2	791.9	609.3	472.3
122.5°	1722.9	1848.4	1722.9	1597.4	1566.0	1334.2	1025.1	870.5	787.6	622.1	497.9
125°	1591.9	1707.5	1591.9	1476.4	1447.5	1250.5	987.9	856.6	784.2	639.4	530.8
127.5°	1474.2	1571.6	1474.2	1376.6	1352.2	1183.1	957.6	844.9	782.1	656.6	562.5
130°	1404.7	1494.8	1404.7	1314.6	1292.1	1141.5	940.7	840.4	783.4	669.3	583.7
132.5°	1341.7	1422.4	1341.7	1261.0	1240.8	1106.0	926.4	836.5	784.2	679.5	600.9
135°	1255.4	1324.9	1255.4	1185.8	1168.4	1055.5	905.0	829.8	783.4	690.6	621.0
137.5°	1186.1	1243.1	1186.1	1129.2	1115.0	1019.6	892.4	828.7	788.3	707.3	646.6
140°	1138.6	1191.8	1138.6	1085.3	1072.0	989.6	879.8	824.8	789.0	717.5	663.8
142.5°	1099.3	1145.1	1099.3	1053.4	1042.0	969.6	873.1	824.8	791.8	726.1	676.7
145°	1040.3	1074.9	1040.3	1005.5	996.9	937.7	858.7	819.2	791.9	737.2	696.2
147.5°	994.9	1023.7	994.9	966.2	959.0	912.4	850.3	819.2	797.3	753.5	720.6
150°	966.4	989.6	966.4	943.1	937.3	897.9	845.5	819.2	800.1	762.0	733.5
152.5°	942.0	959.6	942.0	924.4	920.0	886.5	841.7	819.2	802.0	767.7	741.9
155°	914.0	925.6	914.0	902.3	899.4	872.7	837.1	819.2	806.1	779.9	760.2
157.5°	891.8	899.9	891.8	883.7	881.6	860.8	833.1	819.2	810.2	792.1	778.5
160°	878.6	883.2	878.6	873.9	872.7	854.9	831.1	819.2	812.1	797.7	786.9
162.5°	869.9	874.3	869.9	865.4	864.3	849.3	829.2	819.2	814.1	803.6	795.9
165°	857.5	862.1	857.5	852.7	851.6	840.8	826.4	819.2	816.9	812.2	808.6
167.5°	848.4	850.4	848.4	846.5	845.9	838.9	829.5	824.8	822.8	818.8	815.9
170°	845.9	845.9	845.9	845.9	845.9	838.9	829.5	824.8	824.7	824.4	824.2
172.5°	839.3	837.6	839.3	841.0	841.5	835.9	828.5	824.8	824.8	824.8	824.8
175°	835.4	835.4	835.4	835.4	835.4	831.8	827.1	824.8	825.9	828.1	829.8
177.5°	831.7	829.8	831.7	833.7	834.2	831.5	827.8	825.9	826.8	828.5	829.8
180°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8

TEST NUMBER: P935139

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1435.3	1427.3	1427.3	1413.9	1408.6	1404.5	1397.8	1377.8	1372.4	1367.0	1375.1
5°	1447.4	1432.7	1421.9	1397.8	1377.8	1369.7	1344.3	1296.1	1263.9	1239.8	1226.5
7.5°	1450.1	1431.3	1411.2	1373.7	1325.5	1304.1	1226.5	1138.1	1114.0	1092.6	1079.2
10°	1447.4	1426.0	1397.8	1341.6	1227.8	1190.3	1112.7	1055.1	1040.3	1036.3	1040.3
12.5°	1438.0	1417.9	1379.1	1285.4	1126.0	1100.6	1055.1	1021.6	1018.9	1025.6	1061.8
15°	1421.9	1403.2	1357.7	1210.4	1069.8	1051.1	1018.9	1006.9	1021.6	1068.5	1176.9
17.5°	1405.9	1384.5	1328.2	1136.8	1027.0	1013.6	990.8	1014.9	1097.9	1160.9	1197.0
20°	1384.5	1359.0	1294.7	1083.2	996.2	984.1	973.4	1081.9	1144.8	1167.5	1187.6
22.5°	1359.0	1332.2	1249.2	1045.7	964.0	954.7	961.4	1119.3	1144.8	1160.9	1178.3
25°	1325.5	1302.8	1195.7	1016.2	938.6	927.9	953.3	1115.3	1130.1	1134.1	1168.9
27.5°	1294.7	1265.3	1139.4	989.5	907.8	903.8	960.0	1097.9	1108.6	1112.7	1150.1
30°	1257.3	1213.1	1076.5	961.4	875.7	874.3	961.4	1076.5	1073.8	1084.5	1122.0
32.5°	1218.4	1135.4	1005.5	926.5	844.9	843.5	952.0	1044.4	1041.7	1056.4	1084.5
35°	1182.3	1075.2	909.1	886.4	806.0	807.4	929.2	1006.9	1008.2	1021.6	1039.0
37.5°	1144.8	1022.9	803.4	842.2	768.5	768.5	898.4	972.1	969.4	973.4	997.5
40°	1100.6	941.3	709.6	784.6	733.7	729.7	860.9	934.6	925.2	923.9	957.3
42.5°	1053.7	851.6	640.0	708.3	693.6	688.2	815.4	889.0	871.6	875.7	918.5
45°	1002.9	827.5	586.5	598.5	652.1	648.0	765.9	836.8	824.8	835.5	879.7
47.5°	952.0	779.3	569.0	496.7	607.9	606.5	711.0	786.0	779.3	790.0	836.8
50°	882.4	725.7	567.7	425.8	558.3	563.7	645.4	736.4	736.4	745.8	795.3
52.5°	792.6	660.1	515.5	385.6	500.8	516.8	587.8	693.6	696.2	705.6	749.8
55°	711.0	591.8	478.0	354.8	432.5	467.3	531.6	649.4	654.7	664.1	704.3
57.5°	636.0	492.7	470.0	318.7	369.5	403.0	482.0	606.5	609.2	617.2	656.1
60°	555.7	356.2	431.1	279.8	314.6	340.1	436.5	555.7	565.0	570.4	603.9
62.5°	464.6	258.4	391.0	253.1	287.9	293.2	399.0	507.5	519.5	523.5	543.6
65°	330.7	216.9	332.1	230.3	259.8	261.1	358.8	457.9	468.6	475.3	490.0
67.5°	223.6	176.7	253.1	208.9	238.3	239.7	320.0	400.3	415.1	420.4	429.8
70°	155.3	117.8	187.5	186.1	214.2	216.9	278.5	348.1	361.5	365.5	370.9
72.5°	113.8	95.1	155.3	167.4	188.8	191.5	235.7	289.2	302.6	306.6	309.3
75°	87.0	100.4	125.9	145.9	160.7	162.0	192.8	235.7	245.0	247.7	249.0
77.5°	69.6	93.7	92.4	117.8	131.2	128.5	151.3	182.1	190.1	190.1	190.1
80°	52.2	73.6	69.6	84.4	96.4	93.7	108.5	129.9	132.6	135.2	133.9
82.5°	38.8	46.9	46.9	53.6	64.3	61.6	72.3	84.4	84.4	84.4	87.0
85°	24.1	26.8	21.4	28.1	36.2	34.8	40.2	45.5	46.9	46.9	44.2
87.5°	14.7	12.1	6.7	10.7	16.1	16.1	18.7	20.1	18.7	18.7	18.7
90°	14.5	10.0	5.5	10.0	14.5	15.6	24.5	36.4	42.3	37.6	28.2
92.5°	98.0	60.2	22.3	60.2	98.0	107.5	151.1	209.2	238.3	208.9	150.0
95°	192.1	122.7	53.5	122.7	192.1	209.4	371.9	588.4	696.7	621.7	471.7
97.5°	214.8	153.6	92.5	153.6	214.8	230.0	500.8	862.0	1042.6	995.2	900.4
100°	233.4	178.0	122.6	178.0	233.4	247.3	547.8	948.5	1148.9	1152.4	1159.3
102.5°	251.6	199.9	148.2	199.9	251.6	264.6	569.4	975.8	1179.0	1239.4	1360.2
105°	279.2	235.4	191.6	235.4	279.2	290.2	585.4	978.9	1175.7	1311.1	1581.8
107.5°	317.9	277.0	236.1	277.0	317.9	328.0	588.3	935.3	1108.8	1297.7	1675.4
110°	340.0	303.0	266.2	303.0	340.0	349.2	583.9	896.7	1053.1	1264.2	1686.5

TEST NUMBER: P935139

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	366.1	330.9	295.7	330.9	366.1	374.8	584.0	863.0	1002.4	1218.5	1650.7
115°	405.1	372.7	340.3	372.7	405.1	413.2	589.4	824.2	941.7	1149.9	1566.3
117.5°	443.2	413.7	384.3	413.7	443.2	450.5	600.3	800.1	899.9	1087.8	1463.5
120°	465.3	437.7	409.9	437.7	465.3	472.3	609.3	791.9	883.2	1054.9	1398.2
122.5°	490.9	462.9	435.0	462.9	490.9	497.9	622.1	787.6	870.5	1025.1	1334.2
125°	524.4	498.9	473.4	498.9	524.4	530.8	639.4	784.2	856.6	987.9	1250.5
127.5°	556.1	530.3	504.6	530.3	556.1	562.5	656.6	782.1	844.9	957.6	1183.1
130°	576.7	549.1	521.3	549.1	576.7	583.7	669.3	783.4	840.4	940.7	1141.5
132.5°	593.9	566.3	538.5	566.3	593.9	600.9	679.5	784.2	836.5	926.4	1106.0
135°	614.7	589.4	564.1	589.4	614.7	621.0	690.6	783.4	829.8	905.0	1055.5
137.5°	640.4	615.3	590.3	615.3	640.4	646.6	707.3	788.3	828.7	892.4	1019.6
140°	658.1	635.1	612.1	635.1	658.1	663.8	717.5	789.0	824.8	879.8	989.6
142.5°	671.3	650.1	628.8	650.1	671.3	676.7	726.1	791.8	824.8	873.1	969.6
145°	691.5	672.9	654.4	672.9	691.5	696.2	737.2	791.9	819.2	858.7	937.7
147.5°	716.1	698.0	680.0	698.0	716.1	720.6	753.5	797.3	819.2	850.3	912.4
150°	729.4	713.0	696.7	713.0	729.4	733.5	762.0	800.1	819.2	845.5	897.9
152.5°	738.7	726.4	714.0	726.4	738.7	741.9	767.7	802.0	819.2	841.7	886.5
155°	757.8	748.7	739.6	748.7	757.8	760.2	779.9	806.1	819.2	837.1	872.7
157.5°	776.3	767.5	758.5	767.5	776.3	778.5	792.1	810.2	819.2	833.1	860.8
160°	785.2	778.3	771.3	778.3	785.2	786.9	797.7	812.1	819.2	831.1	854.9
162.5°	794.5	789.3	784.2	789.3	794.5	795.9	803.6	814.1	819.2	829.2	849.3
165°	807.5	802.7	798.1	802.7	807.5	808.6	812.2	816.9	819.2	826.4	840.8
167.5°	815.3	813.1	810.9	813.1	815.3	815.9	818.8	822.8	824.8	829.5	838.9
170°	823.7	821.5	819.2	821.5	823.7	824.2	824.4	824.7	824.8	829.5	838.9
172.5°	824.7	824.2	823.7	824.2	824.7	824.8	824.8	824.8	824.8	828.5	835.9
175°	829.8	829.8	829.8	829.8	829.8	829.8	828.1	825.9	824.8	827.1	831.8
177.5°	829.8	829.8	829.8	829.8	829.8	829.8	828.5	826.8	825.9	827.8	831.5
180°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8

TEST NUMBER: P935139

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1365.7	1361.7	1367.0	1352.3	1367.0	1361.7	1365.7	1375.1	1367.0	1372.4	1377.8
5°	1198.3	1191.6	1170.2	1152.8	1170.2	1191.6	1198.3	1226.5	1239.8	1263.9	1296.1
7.5°	1071.1	1065.8	1060.4	1049.7	1060.4	1065.8	1071.1	1079.2	1092.6	1114.0	1138.1
10°	1043.0	1044.4	1052.4	1051.1	1052.4	1044.4	1043.0	1040.3	1036.3	1040.3	1055.1
12.5°	1115.3	1127.4	1171.6	1168.9	1171.6	1127.4	1115.3	1061.8	1025.6	1018.9	1021.6
15°	1198.3	1202.4	1211.7	1213.1	1211.7	1202.4	1198.3	1176.9	1068.5	1021.6	1006.9
17.5°	1206.4	1207.7	1214.4	1214.4	1214.4	1207.7	1206.4	1197.0	1160.9	1097.9	1014.9
20°	1199.7	1202.4	1215.7	1218.4	1215.7	1202.4	1199.7	1187.6	1167.5	1144.8	1081.9
22.5°	1197.0	1202.4	1213.1	1211.7	1213.1	1202.4	1197.0	1178.3	1160.9	1144.8	1119.3
25°	1183.6	1183.6	1185.0	1186.3	1185.0	1183.6	1183.6	1168.9	1134.1	1130.1	1115.3
27.5°	1155.5	1158.2	1166.2	1164.9	1166.2	1158.2	1155.5	1150.1	1112.7	1108.6	1097.9
30°	1130.1	1127.4	1120.7	1115.3	1120.7	1127.4	1130.1	1122.0	1084.5	1073.8	1076.5
32.5°	1087.2	1080.5	1073.8	1069.8	1073.8	1080.5	1087.2	1084.5	1056.4	1041.7	1044.4
35°	1036.3	1037.7	1036.3	1032.3	1036.3	1037.7	1036.3	1039.0	1021.6	1008.2	1006.9
37.5°	1000.2	1002.9	1001.5	996.2	1001.5	1002.9	1000.2	997.5	973.4	969.4	972.1
40°	962.7	964.0	962.7	958.7	962.7	964.0	962.7	957.3	923.9	925.2	934.6
42.5°	926.5	925.2	921.2	918.5	921.2	925.2	926.5	918.5	875.7	871.6	889.0
45°	885.0	886.4	878.3	874.3	878.3	886.4	885.0	879.7	835.5	824.8	836.8
47.5°	843.5	843.5	836.8	832.8	836.8	843.5	843.5	836.8	790.0	779.3	786.0
50°	799.3	798.0	788.6	787.3	788.6	798.0	799.3	795.3	745.8	736.4	736.4
52.5°	748.5	748.5	749.8	752.5	749.8	748.5	748.5	749.8	705.6	696.2	693.6
55°	704.3	705.6	715.0	717.7	715.0	705.6	704.3	704.3	664.1	654.7	649.4
57.5°	658.8	658.8	665.4	665.4	665.4	658.8	658.8	656.1	617.2	609.2	606.5
60°	606.5	609.2	614.6	613.2	614.6	609.2	606.5	603.9	570.4	565.0	555.7
62.5°	551.6	554.3	555.7	553.0	555.7	554.3	551.6	543.6	523.5	519.5	507.5
65°	494.1	496.7	498.1	495.4	498.1	496.7	494.1	490.0	475.3	468.6	457.9
67.5°	435.2	433.8	432.5	437.8	432.5	433.8	435.2	429.8	420.4	415.1	400.3
70°	374.9	374.9	373.6	376.2	373.6	374.9	374.9	370.9	365.5	361.5	348.1
72.5°	310.6	309.3	314.6	310.6	314.6	309.3	310.6	309.3	306.6	302.6	289.2
75°	247.7	250.4	247.7	251.7	247.7	250.4	247.7	249.0	247.7	245.0	235.7
77.5°	188.8	191.5	188.8	188.8	188.8	191.5	188.8	190.1	190.1	190.1	182.1
80°	133.9	132.6	132.6	131.2	132.6	132.6	133.9	133.9	135.2	132.6	129.9
82.5°	85.7	84.4	84.4	87.0	84.4	84.4	85.7	87.0	84.4	84.4	84.4
85°	46.9	48.2	45.5	45.5	45.5	48.2	46.9	44.2	46.9	46.9	45.5
87.5°	17.4	16.1	16.1	16.1	16.1	16.1	17.4	18.7	18.7	18.7	20.1
90°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	28.2	37.6	42.3	36.4
92.5°	105.8	101.6	84.7	67.9	84.7	101.6	105.8	150.0	208.9	238.3	209.2
95°	359.2	346.4	295.5	244.5	295.5	346.4	359.2	471.7	621.7	696.7	588.4
97.5°	829.2	805.0	707.9	610.9	707.9	805.0	829.2	900.4	995.2	1042.6	862.0
100°	1164.5	1135.6	1020.0	904.4	1020.0	1135.6	1164.5	1159.3	1152.4	1148.9	948.5
102.5°	1450.8	1426.0	1327.0	1228.0	1327.0	1426.0	1450.8	1360.2	1239.4	1179.0	975.8
105°	1784.9	1771.6	1718.4	1665.2	1718.4	1771.6	1784.9	1581.8	1311.1	1175.7	978.9
107.5°	1958.7	1961.9	1974.8	1987.7	1974.8	1961.9	1958.7	1675.4	1297.7	1108.8	935.3
110°	2003.2	2017.1	2072.6	2128.0	2072.6	2017.1	2003.2	1686.5	1264.2	1053.1	896.7

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1974.8	1996.1	2081.2	2166.4	2081.2	1996.1	1974.8	1650.7	1218.5	1002.4	863.0
115°	1878.5	1908.1	2026.1	2144.2	2026.1	1908.1	1878.5	1566.3	1149.9	941.7	824.2
117.5°	1745.3	1778.1	1909.0	2040.0	1909.0	1778.1	1745.3	1463.5	1087.8	899.9	800.1
120°	1655.7	1687.5	1814.8	1942.0	1814.8	1687.5	1655.7	1398.2	1054.9	883.2	791.9
122.5°	1566.0	1597.4	1722.9	1848.4	1722.9	1597.4	1566.0	1334.2	1025.1	870.5	787.6
125°	1447.5	1476.4	1591.9	1707.5	1591.9	1476.4	1447.5	1250.5	987.9	856.6	784.2
127.5°	1352.2	1376.6	1474.2	1571.6	1474.2	1376.6	1352.2	1183.1	957.6	844.9	782.1
130°	1292.1	1314.6	1404.7	1494.8	1404.7	1314.6	1292.1	1141.5	940.7	840.4	783.4
132.5°	1240.8	1261.0	1341.7	1422.4	1341.7	1261.0	1240.8	1106.0	926.4	836.5	784.2
135°	1168.4	1185.8	1255.4	1324.9	1255.4	1185.8	1168.4	1055.5	905.0	829.8	783.4
137.5°	1115.0	1129.2	1186.1	1243.1	1186.1	1129.2	1115.0	1019.6	892.4	828.7	788.3
140°	1072.0	1085.3	1138.6	1191.8	1138.6	1085.3	1072.0	989.6	879.8	824.8	789.0
142.5°	1042.0	1053.4	1099.3	1145.1	1099.3	1053.4	1042.0	969.6	873.1	824.8	791.8
145°	996.9	1005.5	1040.3	1074.9	1040.3	1005.5	996.9	937.7	858.7	819.2	791.9
147.5°	959.0	966.2	994.9	1023.7	994.9	966.2	959.0	912.4	850.3	819.2	797.3
150°	937.3	943.1	966.4	989.6	966.4	943.1	937.3	897.9	845.5	819.2	800.1
152.5°	920.0	924.4	942.0	959.6	942.0	924.4	920.0	886.5	841.7	819.2	802.0
155°	899.4	902.3	914.0	925.6	914.0	902.3	899.4	872.7	837.1	819.2	806.1
157.5°	881.6	883.7	891.8	899.9	891.8	883.7	881.6	860.8	833.1	819.2	810.2
160°	872.7	873.9	878.6	883.2	878.6	873.9	872.7	854.9	831.1	819.2	812.1
162.5°	864.3	865.4	869.9	874.3	869.9	865.4	864.3	849.3	829.2	819.2	814.1
165°	851.6	852.7	857.5	862.1	857.5	852.7	851.6	840.8	826.4	819.2	816.9
167.5°	845.9	846.5	848.4	850.4	848.4	846.5	845.9	838.9	829.5	824.8	822.8
170°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	838.9	829.5	824.8	824.7
172.5°	841.5	841.0	839.3	837.6	839.3	841.0	841.5	835.9	828.5	824.8	824.8
175°	835.4	835.4	835.4	835.4	835.4	835.4	835.4	831.8	827.1	824.8	825.9
177.5°	834.2	833.7	831.7	829.8	831.7	833.7	834.2	831.5	827.8	825.9	826.8
180°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1397.8	1404.5	1408.6	1413.9	1427.3
5°	1344.3	1369.7	1377.8	1397.8	1421.9
7.5°	1226.5	1304.1	1325.5	1373.7	1411.2
10°	1112.7	1190.3	1227.8	1341.6	1397.8
12.5°	1055.1	1100.6	1126.0	1285.4	1379.1
15°	1018.9	1051.1	1069.8	1210.4	1357.7
17.5°	990.8	1013.6	1027.0	1136.8	1328.2
20°	973.4	984.1	996.2	1083.2	1294.7
22.5°	961.4	954.7	964.0	1045.7	1249.2
25°	953.3	927.9	938.6	1016.2	1195.7
27.5°	960.0	903.8	907.8	989.5	1139.4
30°	961.4	874.3	875.7	961.4	1076.5
32.5°	952.0	843.5	844.9	926.5	1005.5
35°	929.2	807.4	806.0	886.4	909.1
37.5°	898.4	768.5	768.5	842.2	803.4
40°	860.9	729.7	733.7	784.6	709.6
42.5°	815.4	688.2	693.6	708.3	640.0
45°	765.9	648.0	652.1	598.5	586.5
47.5°	711.0	606.5	607.9	496.7	569.0
50°	645.4	563.7	558.3	425.8	567.7
52.5°	587.8	516.8	500.8	385.6	515.5
55°	531.6	467.3	432.5	354.8	478.0
57.5°	482.0	403.0	369.5	318.7	470.0
60°	436.5	340.1	314.6	279.8	431.1
62.5°	399.0	293.2	287.9	253.1	391.0
65°	358.8	261.1	259.8	230.3	332.1
67.5°	320.0	239.7	238.3	208.9	253.1
70°	278.5	216.9	214.2	186.1	187.5
72.5°	235.7	191.5	188.8	167.4	155.3
75°	192.8	162.0	160.7	145.9	125.9
77.5°	151.3	128.5	131.2	117.8	92.4
80°	108.5	93.7	96.4	84.4	69.6
82.5°	72.3	61.6	64.3	53.6	46.9
85°	40.2	34.8	36.2	28.1	21.4
87.5°	18.7	16.1	16.1	10.7	6.7
90°	24.5	15.6	14.5	10.0	5.5
92.5°	151.1	107.5	98.0	60.2	22.3
95°	371.9	209.4	192.1	122.7	53.5
97.5°	500.8	230.0	214.8	153.6	92.5
100°	547.8	247.3	233.4	178.0	122.6
102.5°	569.4	264.6	251.6	199.9	148.2
105°	585.4	290.2	279.2	235.4	191.6
107.5°	588.3	328.0	317.9	277.0	236.1
110°	583.9	349.2	340.0	303.0	266.2

TEST NUMBER: P935139

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	584.0	374.8	366.1	330.9	295.7
115°	589.4	413.2	405.1	372.7	340.3
117.5°	600.3	450.5	443.2	413.7	384.3
120°	609.3	472.3	465.3	437.7	409.9
122.5°	622.1	497.9	490.9	462.9	435.0
125°	639.4	530.8	524.4	498.9	473.4
127.5°	656.6	562.5	556.1	530.3	504.6
130°	669.3	583.7	576.7	549.1	521.3
132.5°	679.5	600.9	593.9	566.3	538.5
135°	690.6	621.0	614.7	589.4	564.1
137.5°	707.3	646.6	640.4	615.3	590.3
140°	717.5	663.8	658.1	635.1	612.1
142.5°	726.1	676.7	671.3	650.1	628.8
145°	737.2	696.2	691.5	672.9	654.4
147.5°	753.5	720.6	716.1	698.0	680.0
150°	762.0	733.5	729.4	713.0	696.7
152.5°	767.7	741.9	738.7	726.4	714.0
155°	779.9	760.2	757.8	748.7	739.6
157.5°	792.1	778.5	776.3	767.5	758.5
160°	797.7	786.9	785.2	778.3	771.3
162.5°	803.6	795.9	794.5	789.3	784.2
165°	812.2	808.6	807.5	802.7	798.1
167.5°	818.8	815.9	815.3	813.1	810.9
170°	824.4	824.2	823.7	821.5	819.2
172.5°	824.8	824.8	824.7	824.2	823.7
175°	828.1	829.8	829.8	829.8	829.8
177.5°	828.5	829.8	829.8	829.8	829.8
180°	829.8	829.8	829.8	829.8	829.8

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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	11.40	12.18	12.44	13.22	14.62	14.23	15.01	15.26	16.05	17.45
	3H	11.87	12.57	12.92	13.62	15.04	15.56	16.26	16.61	17.31	18.73
	4H	12.06	12.72	13.12	13.78	15.20	16.00	16.67	17.06	17.72	19.14
	6H	12.17	12.79	13.24	13.84	15.28	16.28	16.89	17.35	17.95	19.39
	8H	12.17	12.76	13.24	13.83	15.26	16.35	16.93	17.42	18.01	19.44
	12H	12.14	12.69	13.22	13.76	15.22	16.39	16.94	17.46	18.01	19.46
4H	2H	12.42	13.09	13.49	14.14	15.57	14.63	15.29	15.69	16.34	17.77
	3H	13.44	14.00	14.51	15.08	16.51	16.12	16.68	17.19	17.76	19.19
	4H	13.72	14.22	14.79	15.29	16.75	16.65	17.15	17.72	18.22	19.68
	6H	13.84	14.27	14.92	15.37	16.82	17.00	17.44	18.09	18.53	19.99
	8H	13.84	14.25	14.93	15.33	16.80	17.11	17.52	18.19	18.60	20.07
	12H	13.80	14.17	14.91	15.27	16.75	17.16	17.53	18.26	18.63	20.10
8H	4H	14.16	14.57	15.25	15.65	17.12	16.76	17.17	17.85	18.26	19.73
	6H	14.42	14.76	15.53	15.88	17.35	17.20	17.53	18.30	18.66	20.13
	8H	14.46	14.76	15.58	15.87	17.35	17.35	17.64	18.46	18.75	20.24
	12H	14.44	14.70	15.56	15.81	17.33	17.44	17.70	18.56	18.80	20.33
12H	4H	14.16	14.53	15.27	15.63	17.11	16.72	17.09	17.83	18.19	19.67
	6H	14.48	14.77	15.59	15.88	17.37	17.19	17.49	18.31	18.60	20.08
	8H	14.54	14.80	15.66	15.91	17.43	17.35	17.61	18.47	18.71	20.24

END OF REPORT