

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: P934791

Luminaire Tested: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934791
REPORT IS A COMBINATION OF REPORTS P933711 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

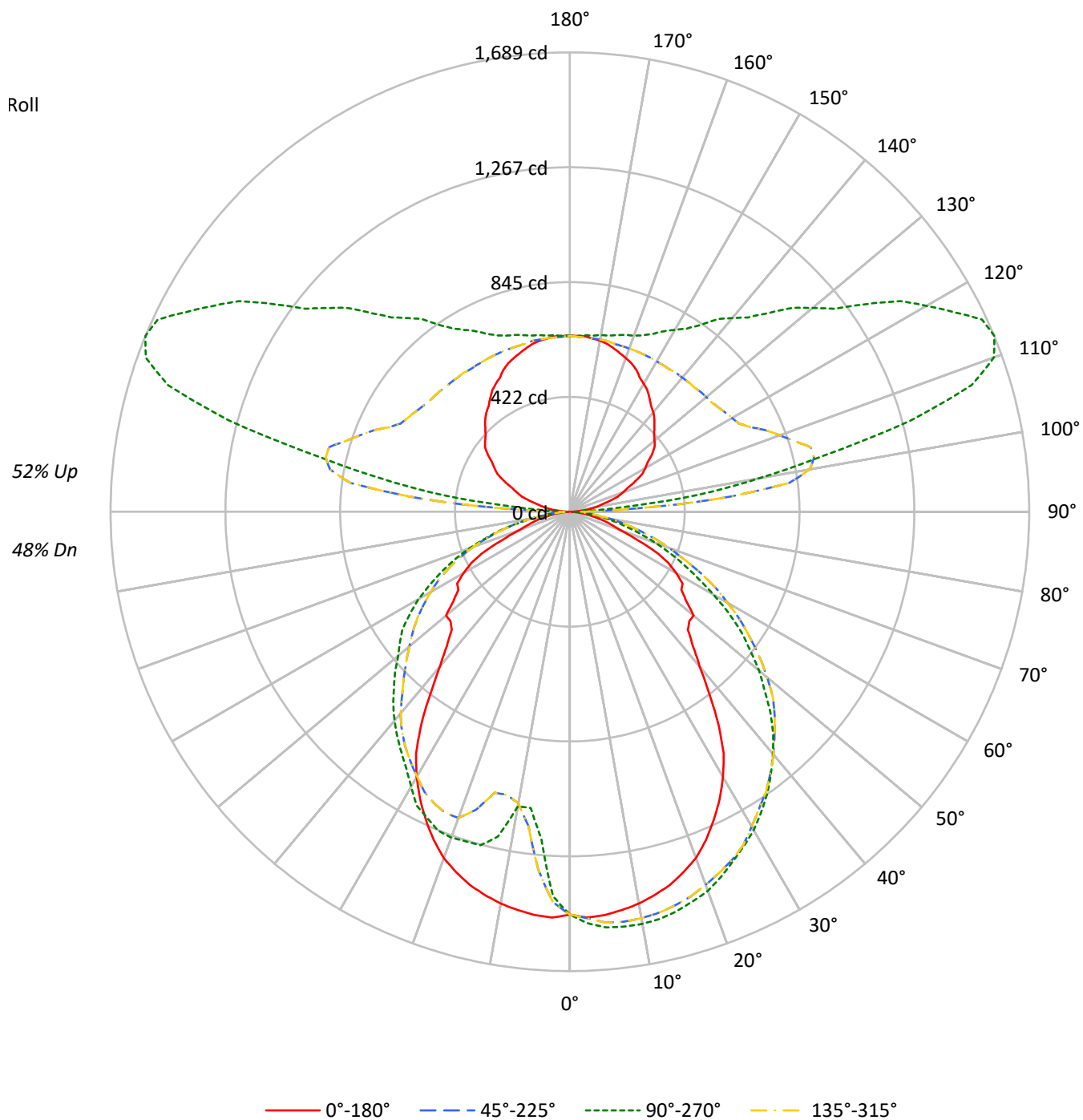
Lumens per Lamp: N/A
Luminaire Lumens: 8037.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 63.6
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: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

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				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	68	68	68	54	54	54
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39
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	52	46	49	44	40	41	37	34	33	31	28
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	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°	9161	9161	9161	9161
5°	9226	9247	9226	7271
10°	9161	9109	9161	6513
15°	9058	8912	9058	7442
20°	8865	8678	8865	7457
25°	8474	8337	8474	7299
30°	7969	8054	7969	6952
35°	7101	7696	7101	6571
40°	5913	7274	5913	6283
45°	5280	6781	5280	5952
50°	5605	6192	5605	5619
55°	5269	5558	5269	5426
60°	5425	4720	5425	4971
65°	4910	3902	4910	4362
70°	3392	3110	3392	3657
75°	2963	2299	2963	2753
80°	2373	1520	2373	1655
85°	1335	804	1335	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8098 cd/sqm

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	1.7
10°-20°	379.5	4.7
20°-30°	586.7	7.3
30°-40°	700.4	8.7
40°-50°	704.5	8.8
50°-60°	613.0	7.6
60°-70°	434.6	5.4
70°-80°	229.9	2.9
80°-90°	59.7	0.7
90°-100°	315.4	3.9
100°-110°	829.3	10.3
110°-120°	859.9	10.7
120°-130°	689.7	8.6
130°-140°	541.2	6.7
140°-150°	415.4	5.2
150°-160°	299.2	3.7
160°-170°	183.0	2.3
170°-180°	61.8	0.8
0°-30°	1099.9	13.7
0°-40°	1800.3	22.4
0°-60°	3117.8	38.8
0°-90°	3842.1	47.8
90°-120°	2004.6	24.9
90°-150°	3650.9	45.4
90°-180°	4195.0	52.2
0°-180°	8037.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1481	1481	1481	1481	1481	
5°	1488	1534	1488	1206	1488	141
15°	1421	1520	1421	1269	1421	400
25°	1251	1418	1251	1241	1251	574
35°	951	1265	951	1080	951	589
45°	614	1042	614	915	614	492
55°	500	769	500	751	500	460
65°	347	464	347	518	347	332
75°	132	220	132	263	132	138
85°	22	56	22	48	22	30
90°	4	16	4	16	4	5
95°	42	191	42	191	42	46
105°	149	1298	149	1298	149	158
115°	265	1672	265	1672	265	262
125°	369	1332	369	1332	369	328
135°	440	1033	440	1033	440	340
145°	510	838	510	838	510	320
155°	577	722	577	722	577	265
165°	622	672	622	672	622	176
175°	647	652	647	652	647	61
180°	647	647	647	647	647	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1493.5	1493.5	1501.9	1504.7	1504.7	1500.5	1496.3	1500.5	1513.1	1517.3	1515.9
5°	1487.9	1499.1	1514.5	1517.3	1520.1	1518.7	1515.9	1518.7	1532.7	1535.5	1536.9
7.5°	1476.7	1497.7	1517.3	1521.5	1525.7	1521.5	1520.1	1522.9	1536.9	1539.7	1539.7
10°	1462.6	1492.1	1514.5	1517.3	1521.5	1517.3	1517.3	1522.9	1536.9	1539.7	1541.1
12.5°	1443.0	1483.7	1504.7	1507.5	1513.1	1511.7	1510.3	1515.9	1529.9	1532.7	1532.7
15°	1420.6	1468.2	1487.9	1490.7	1500.5	1497.7	1497.7	1503.3	1518.7	1522.9	1521.5
17.5°	1389.8	1448.6	1471.1	1475.3	1482.3	1480.9	1482.3	1487.9	1501.9	1504.7	1506.1
20°	1354.8	1422.0	1448.6	1452.8	1459.8	1459.8	1459.8	1466.8	1480.9	1486.5	1486.5
22.5°	1307.1	1394.0	1422.0	1424.8	1433.2	1433.2	1436.0	1445.8	1458.4	1459.8	1459.8
25°	1251.1	1363.2	1387.0	1395.4	1403.8	1408.0	1412.2	1417.8	1422.0	1420.6	1422.0
27.5°	1192.3	1323.9	1354.8	1360.4	1371.6	1375.8	1381.4	1382.8	1384.2	1388.4	1385.6
30°	1126.4	1269.3	1315.5	1321.1	1339.4	1342.2	1336.6	1339.4	1346.4	1349.2	1352.0
32.5°	1052.2	1188.0	1274.9	1287.5	1304.3	1295.9	1294.5	1298.7	1309.9	1309.9	1312.7
35°	951.3	1125.0	1237.1	1248.3	1260.9	1251.1	1256.7	1258.1	1265.1	1269.3	1267.9
37.5°	840.6	1070.4	1197.9	1206.3	1216.1	1203.5	1211.9	1216.1	1221.7	1218.9	1218.9
40°	742.5	984.9	1151.6	1157.2	1165.6	1155.8	1164.2	1167.0	1169.8	1167.0	1165.6
42.5°	669.7	891.0	1102.6	1109.6	1104.0	1111.0	1113.8	1119.4	1115.2	1109.6	1109.6
45°	613.6	865.8	1049.3	1057.8	1049.3	1060.6	1064.8	1064.8	1052.2	1049.3	1047.9
47.5°	595.4	815.4	996.1	996.1	991.9	1005.9	1012.9	1003.1	990.5	986.3	986.3
50°	594.0	759.3	923.3	917.7	937.3	954.1	947.1	937.3	927.5	912.1	912.1
52.5°	539.4	690.7	829.4	850.4	881.2	891.0	879.8	870.0	853.2	846.2	840.6
55°	500.2	619.2	743.9	786.0	818.2	830.8	809.8	800.0	774.8	770.6	767.7
57.5°	491.8	515.6	665.5	718.7	757.9	756.5	743.9	725.7	704.7	700.5	699.1
60°	451.1	372.7	581.4	644.5	685.1	680.9	669.7	652.9	633.3	630.4	627.6
62.5°	409.1	270.4	486.1	557.6	615.0	613.6	603.8	578.6	564.6	557.6	552.0
65°	347.4	227.0	346.0	463.7	546.4	549.2	528.2	510.0	494.6	486.1	484.7
67.5°	264.8	184.9	234.0	386.7	480.5	477.7	451.1	442.7	423.1	418.9	410.5
70°	196.1	123.3	162.5	313.8	416.1	409.1	388.1	378.3	360.1	350.2	344.6
72.5°	162.5	99.5	119.1	243.8	350.2	341.8	323.6	312.4	297.0	288.6	283.0
75°	131.7	105.1	91.1	180.7	284.4	278.8	262.0	250.8	238.2	227.0	228.4
77.5°	96.7	98.1	72.9	133.1	225.6	217.2	207.3	193.3	187.7	176.5	176.5
80°	72.9	77.1	54.6	91.1	162.5	162.5	154.1	144.3	134.5	128.9	128.9
82.5°	49.0	49.0	40.6	57.4	110.7	106.5	100.9	98.1	92.5	89.7	89.7
85°	22.4	28.0	25.2	35.0	60.2	63.0	63.0	60.2	58.8	56.0	57.4
87.5°	7.0	12.6	15.4	19.6	30.8	32.2	33.6	33.6	33.6	35.0	35.0
90°	4.3	7.8	11.3	12.1	19.1	28.3	33.0	29.3	22.0	16.5	16.5
92.5°	17.4	46.9	76.4	83.8	117.8	163.2	185.9	162.9	116.9	82.5	79.2
95°	41.7	95.7	149.7	163.3	289.9	458.9	543.3	484.8	367.8	280.1	270.2
97.5°	72.1	119.7	167.4	179.3	390.6	672.2	813.0	776.1	702.2	646.7	627.7
100°	95.5	138.8	182.0	192.9	427.2	739.7	896.0	898.7	904.1	908.1	885.6
102.5°	115.5	155.9	196.2	206.3	444.0	760.9	919.4	966.5	1060.7	1131.4	1112.0
105°	149.4	183.6	217.8	226.3	456.4	763.4	916.8	1022.4	1233.5	1391.9	1381.6
107.5°	184.2	216.0	247.9	255.8	458.8	729.4	864.7	1012.0	1306.6	1527.5	1530.0
110°	207.6	236.4	265.1	272.3	455.2	699.3	821.3	985.9	1315.3	1562.2	1573.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	230.6	258.0	285.4	292.2	455.4	672.9	781.8	950.3	1287.2	1540.0	1556.6
115°	265.3	290.7	315.9	322.2	459.6	642.8	734.4	896.7	1221.4	1464.9	1487.9
117.5°	299.6	322.6	345.6	351.4	468.2	623.9	701.8	848.4	1141.3	1361.1	1386.6
120°	319.6	341.3	362.9	368.3	475.1	617.6	688.8	822.7	1090.4	1291.2	1316.0
122.5°	339.2	361.0	382.8	388.3	485.1	614.3	678.8	799.3	1040.4	1221.2	1245.7
125°	369.1	389.0	408.9	413.9	498.6	611.5	668.0	770.4	975.2	1128.7	1151.2
127.5°	393.5	413.6	433.6	438.6	512.0	609.9	658.8	746.7	922.6	1054.5	1073.5
130°	406.5	428.1	449.7	455.1	521.9	610.9	655.4	733.7	890.2	1007.6	1025.2
132.5°	419.9	441.6	463.2	468.6	529.9	611.5	652.3	722.4	862.5	967.6	983.3
135°	439.9	459.6	479.3	484.3	538.5	610.9	647.1	705.7	823.1	911.1	924.7
137.5°	460.4	479.8	499.3	504.2	551.5	614.7	646.2	695.8	795.0	869.5	880.6
140°	477.3	495.2	513.2	517.7	559.6	615.3	643.2	686.0	771.8	836.0	846.4
142.5°	490.4	507.0	523.6	527.7	566.2	617.5	643.2	680.8	756.1	812.6	821.5
145°	510.3	524.8	539.2	542.8	574.9	617.6	638.9	669.7	731.2	777.4	784.1
147.5°	530.2	544.3	558.4	562.0	587.6	621.8	638.9	663.0	711.5	747.9	753.5
150°	543.3	556.0	568.8	572.0	594.3	624.0	638.9	659.3	700.2	730.9	735.5
152.5°	556.8	566.5	576.1	578.5	598.6	625.4	638.9	656.3	691.3	717.5	721.0
155°	576.7	583.8	591.0	592.8	608.1	628.6	638.9	652.8	680.6	701.4	703.7
157.5°	591.5	598.5	605.4	607.2	617.7	631.9	638.9	649.7	671.3	687.5	689.1
160°	601.5	606.9	612.3	613.6	622.0	633.3	638.9	648.1	666.6	680.5	681.4
162.5°	611.5	615.6	619.6	620.6	626.7	634.8	638.9	646.7	662.3	674.1	674.9
165°	622.3	626.1	629.7	630.6	633.3	637.0	638.9	644.5	655.7	664.1	665.0
167.5°	632.3	634.1	635.8	636.2	638.6	641.7	643.2	646.8	654.2	659.7	660.1
170°	638.9	640.6	642.3	642.8	642.9	643.1	643.2	646.8	654.2	659.7	659.7
172.5°	642.3	642.7	643.1	643.2	643.2	643.2	643.2	646.0	651.8	656.2	655.9
175°	647.1	647.1	647.1	647.1	645.8	644.0	643.2	645.0	648.7	651.5	651.5
177.5°	647.1	647.1	647.1	647.1	646.0	644.7	644.1	645.6	648.5	650.6	650.3
180°	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1518.7	1514.5	1518.7	1515.9	1517.3	1513.1	1500.5	1496.3	1500.5	1504.7	1504.7
5°	1536.9	1534.1	1536.9	1536.9	1535.5	1532.7	1518.7	1515.9	1518.7	1520.1	1517.3
7.5°	1542.5	1538.3	1542.5	1539.7	1539.7	1536.9	1522.9	1520.1	1521.5	1525.7	1521.5
10°	1542.5	1538.3	1542.5	1541.1	1539.7	1536.9	1522.9	1517.3	1517.3	1521.5	1517.3
12.5°	1535.5	1532.7	1535.5	1532.7	1532.7	1529.9	1515.9	1510.3	1511.7	1513.1	1507.5
15°	1524.3	1520.1	1524.3	1521.5	1522.9	1518.7	1503.3	1497.7	1497.7	1500.5	1490.7
17.5°	1507.5	1501.9	1507.5	1506.1	1504.7	1501.9	1487.9	1482.3	1480.9	1482.3	1475.3
20°	1487.9	1483.7	1487.9	1486.5	1486.5	1480.9	1466.8	1459.8	1459.8	1459.8	1452.8
22.5°	1457.0	1452.8	1457.0	1459.8	1459.8	1458.4	1445.8	1436.0	1433.2	1433.2	1424.8
25°	1422.0	1417.8	1422.0	1422.0	1420.6	1422.0	1417.8	1412.2	1408.0	1403.8	1395.4
27.5°	1388.4	1385.6	1388.4	1385.6	1388.4	1384.2	1382.8	1381.4	1375.8	1371.6	1360.4
30°	1354.8	1352.0	1354.8	1352.0	1349.2	1346.4	1339.4	1336.6	1342.2	1339.4	1321.1
32.5°	1312.7	1309.9	1312.7	1312.7	1309.9	1309.9	1298.7	1294.5	1295.9	1304.3	1287.5
35°	1269.3	1265.1	1269.3	1267.9	1269.3	1265.1	1258.1	1256.7	1251.1	1260.9	1248.3
37.5°	1218.9	1214.7	1218.9	1218.9	1218.9	1221.7	1216.1	1211.9	1203.5	1216.1	1206.3
40°	1167.0	1161.4	1167.0	1165.6	1167.0	1169.8	1167.0	1164.2	1155.8	1165.6	1157.2
42.5°	1108.2	1106.8	1108.2	1109.6	1109.6	1115.2	1119.4	1113.8	1111.0	1104.0	1109.6
45°	1045.1	1042.3	1045.1	1047.9	1049.3	1052.2	1064.8	1064.8	1060.6	1049.3	1057.8
47.5°	977.9	970.9	977.9	986.3	986.3	990.5	1003.1	1012.9	1005.9	991.9	996.1
50°	906.4	907.8	906.4	912.1	912.1	927.5	937.3	947.1	954.1	937.3	917.7
52.5°	836.4	835.0	836.4	840.6	846.2	853.2	870.0	879.8	891.0	881.2	850.4
55°	766.3	769.1	766.3	767.7	770.6	774.8	800.0	809.8	830.8	818.2	786.0
57.5°	696.3	692.1	696.3	699.1	700.5	704.7	725.7	743.9	756.5	757.9	718.7
60°	615.0	609.4	615.0	627.6	630.4	633.3	652.9	669.7	680.9	685.1	644.5
62.5°	543.6	533.8	543.6	552.0	557.6	564.6	578.6	603.8	613.6	615.0	557.6
65°	467.9	463.7	467.9	484.7	486.1	494.6	510.0	528.2	549.2	546.4	463.7
67.5°	399.3	399.3	399.3	410.5	418.9	423.1	442.7	451.1	477.7	480.5	386.7
70°	336.2	334.8	336.2	344.6	350.2	360.1	378.3	388.1	409.1	416.1	313.8
72.5°	276.0	274.6	276.0	283.0	288.6	297.0	312.4	323.6	341.8	350.2	243.8
75°	222.8	220.0	222.8	228.4	227.0	238.2	250.8	262.0	278.8	284.4	180.7
77.5°	170.9	170.9	170.9	176.5	176.5	187.7	193.3	207.3	217.2	225.6	133.1
80°	127.5	126.1	127.5	128.9	128.9	134.5	144.3	154.1	162.5	162.5	91.1
82.5°	89.7	86.9	89.7	89.7	89.7	92.5	98.1	100.9	106.5	110.7	57.4
85°	56.0	56.0	56.0	57.4	56.0	58.8	60.2	63.0	63.0	60.2	35.0
87.5°	36.4	35.0	36.4	35.0	35.0	33.6	33.6	33.6	32.2	30.8	19.6
90°	16.5	16.5	16.5	16.5	16.5	22.0	29.3	33.0	28.3	19.1	12.1
92.5°	66.0	53.0	66.0	79.2	82.5	116.9	162.9	185.9	163.2	117.8	83.8
95°	230.4	190.6	230.4	270.2	280.1	367.8	484.8	543.3	458.9	289.9	163.3
97.5°	552.1	476.4	552.1	627.7	646.7	702.2	776.1	813.0	672.2	390.6	179.3
100°	795.4	705.3	795.4	885.6	908.1	904.1	898.7	896.0	739.7	427.2	192.9
102.5°	1034.9	957.6	1034.9	1112.0	1131.4	1060.7	966.5	919.4	760.9	444.0	206.3
105°	1340.0	1298.5	1340.0	1381.6	1391.9	1233.5	1022.4	916.8	763.4	456.4	226.3
107.5°	1540.0	1550.0	1540.0	1530.0	1527.5	1306.6	1012.0	864.7	729.4	458.8	255.8
110°	1616.2	1659.4	1616.2	1573.0	1562.2	1315.3	985.9	821.3	699.3	455.2	272.3

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1623.0	1689.4	1623.0	1556.6	1540.0	1287.2	950.3	781.8	672.9	455.4	292.2
115°	1580.0	1672.0	1580.0	1487.9	1464.9	1221.4	896.7	734.4	642.8	459.6	322.2
117.5°	1488.7	1590.8	1488.7	1386.6	1361.1	1141.3	848.4	701.8	623.9	468.2	351.4
120°	1415.2	1514.4	1415.2	1316.0	1291.2	1090.4	822.7	688.8	617.6	475.1	368.3
122.5°	1343.6	1441.4	1343.6	1245.7	1221.2	1040.4	799.3	678.8	614.3	485.1	388.3
125°	1241.5	1331.6	1241.5	1151.2	1128.7	975.2	770.4	668.0	611.5	498.6	413.9
127.5°	1149.6	1225.6	1149.6	1073.5	1054.5	922.6	746.7	658.8	609.9	512.0	438.6
130°	1095.4	1165.6	1095.4	1025.2	1007.6	890.2	733.7	655.4	610.9	521.9	455.1
132.5°	1046.3	1109.2	1046.3	983.3	967.6	862.5	722.4	652.3	611.5	529.9	468.6
135°	978.9	1033.2	978.9	924.7	911.1	823.1	705.7	647.1	610.9	538.5	484.3
137.5°	924.9	969.4	924.9	880.6	869.5	795.0	695.8	646.2	614.7	551.5	504.2
140°	888.0	929.4	888.0	846.4	836.0	771.8	686.0	643.2	615.3	559.6	517.7
142.5°	857.2	892.9	857.2	821.5	812.6	756.1	680.8	643.2	617.5	566.2	527.7
145°	811.2	838.2	811.2	784.1	777.4	731.2	669.7	638.9	617.6	574.9	542.8
147.5°	775.8	798.2	775.8	753.5	747.9	711.5	663.0	638.9	621.8	587.6	562.0
150°	753.6	771.8	753.6	735.5	730.9	700.2	659.3	638.9	624.0	594.3	572.0
152.5°	734.6	748.3	734.6	721.0	717.5	691.3	656.3	638.9	625.4	598.6	578.5
155°	712.7	721.8	712.7	703.7	701.4	680.6	652.8	638.9	628.6	608.1	592.8
157.5°	695.5	701.8	695.5	689.1	687.5	671.3	649.7	638.9	631.9	617.7	607.2
160°	685.1	688.8	685.1	681.4	680.5	666.6	648.1	638.9	633.3	622.0	613.6
162.5°	678.4	681.8	678.4	674.9	674.1	662.3	646.7	638.9	634.8	626.7	620.6
165°	668.7	672.3	668.7	665.0	664.1	655.7	644.5	638.9	637.0	633.3	630.6
167.5°	661.6	663.1	661.6	660.1	659.7	654.2	646.8	643.2	641.7	638.6	636.2
170°	659.7	659.7	659.7	659.7	659.7	654.2	646.8	643.2	643.1	642.9	642.8
172.5°	654.5	653.1	654.5	655.9	656.2	651.8	646.0	643.2	643.2	643.2	643.2
175°	651.5	651.5	651.5	651.5	651.5	648.7	645.0	643.2	644.0	645.8	647.1
177.5°	648.7	647.1	648.7	650.3	650.6	648.5	645.6	644.1	644.7	646.0	647.1
180°	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1501.9	1493.5	1493.5	1479.5	1473.9	1469.6	1462.6	1441.6	1436.0	1430.4	1438.8
5°	1514.5	1499.1	1487.9	1462.6	1441.6	1433.2	1406.6	1356.2	1322.5	1297.3	1283.3
7.5°	1517.3	1497.7	1476.7	1437.4	1387.0	1364.6	1283.3	1190.9	1165.6	1143.2	1129.2
10°	1514.5	1492.1	1462.6	1403.8	1284.7	1245.5	1164.2	1104.0	1088.6	1084.4	1088.6
12.5°	1504.7	1483.7	1443.0	1345.0	1178.2	1151.6	1104.0	1069.0	1066.2	1073.2	1111.0
15°	1487.9	1468.2	1420.6	1266.5	1119.4	1099.8	1066.2	1053.6	1069.0	1118.0	1231.5
17.5°	1471.1	1448.6	1389.8	1189.4	1074.6	1060.6	1036.7	1062.0	1148.8	1214.7	1252.5
20°	1448.6	1422.0	1354.8	1133.4	1042.3	1029.7	1018.5	1132.0	1197.9	1221.7	1242.7
22.5°	1422.0	1394.0	1307.1	1094.2	1008.7	998.9	1005.9	1171.2	1197.9	1214.7	1232.9
25°	1387.0	1363.2	1251.1	1063.4	982.1	970.9	997.5	1167.0	1182.4	1186.6	1223.1
27.5°	1354.8	1323.9	1192.3	1035.3	949.9	945.7	1004.5	1148.8	1160.0	1164.2	1203.5
30°	1315.5	1269.3	1126.4	1005.9	916.3	914.9	1005.9	1126.4	1123.6	1134.8	1174.0
32.5°	1274.9	1188.0	1052.2	969.5	884.0	882.6	996.1	1092.8	1090.0	1105.4	1134.8
35°	1237.1	1125.0	951.3	927.5	843.4	844.8	972.3	1053.6	1055.0	1069.0	1087.2
37.5°	1197.9	1070.4	840.6	881.2	804.2	804.2	940.1	1017.1	1014.3	1018.5	1043.7
40°	1151.6	984.9	742.5	821.0	767.7	763.5	900.8	977.9	968.1	966.7	1001.7
42.5°	1102.6	891.0	669.7	741.1	725.7	720.1	853.2	930.3	912.1	916.3	961.1
45°	1049.3	865.8	613.6	626.2	682.3	678.1	801.4	875.6	863.0	874.2	920.5
47.5°	996.1	815.4	595.4	519.8	636.1	634.7	743.9	822.4	815.4	826.6	875.6
50°	923.3	759.3	594.0	445.5	584.2	589.8	675.3	770.6	770.6	780.4	832.2
52.5°	829.4	690.7	539.4	403.5	524.0	540.8	615.0	725.7	728.5	738.3	784.6
55°	743.9	619.2	500.2	371.3	452.5	488.9	556.2	679.5	685.1	694.9	736.9
57.5°	665.5	515.6	491.8	333.4	386.7	421.7	504.4	634.7	637.5	645.9	686.5
60°	581.4	372.7	451.1	292.8	329.2	355.9	456.7	581.4	591.2	596.8	631.9
62.5°	486.1	270.4	409.1	264.8	301.2	306.8	417.5	531.0	543.6	547.8	568.8
65°	346.0	227.0	347.4	241.0	271.8	273.2	375.5	479.1	490.4	497.4	512.8
67.5°	234.0	184.9	264.8	218.6	249.4	250.8	334.8	418.9	434.3	439.9	449.7
70°	162.5	123.3	196.1	194.7	224.2	227.0	291.4	364.3	378.3	382.5	388.1
72.5°	119.1	99.5	162.5	175.1	197.5	200.3	246.6	302.6	316.6	320.8	323.6
75°	91.1	105.1	131.7	152.7	168.1	169.5	201.7	246.6	256.4	259.2	260.6
77.5°	72.9	98.1	96.7	123.3	137.3	134.5	158.3	190.5	198.9	198.9	198.9
80°	54.6	77.1	72.9	88.3	100.9	98.1	113.5	135.9	138.7	141.5	140.1
82.5°	40.6	49.0	49.0	56.0	67.2	64.4	75.7	88.3	88.3	88.3	91.1
85°	25.2	28.0	22.4	29.4	37.8	36.4	42.0	47.6	49.0	49.0	46.2
87.5°	15.4	12.6	7.0	11.2	16.8	16.8	19.6	21.0	19.6	19.6	19.6
90°	11.3	7.8	4.3	7.8	11.3	12.1	19.1	28.3	33.0	29.3	22.0
92.5°	76.4	46.9	17.4	46.9	76.4	83.8	117.8	163.2	185.9	162.9	116.9
95°	149.7	95.7	41.7	95.7	149.7	163.3	289.9	458.9	543.3	484.8	367.8
97.5°	167.4	119.7	72.1	119.7	167.4	179.3	390.6	672.2	813.0	776.1	702.2
100°	182.0	138.8	95.5	138.8	182.0	192.9	427.2	739.7	896.0	898.7	904.1
102.5°	196.2	155.9	115.5	155.9	196.2	206.3	444.0	760.9	919.4	966.5	1060.7
105°	217.8	183.6	149.4	183.6	217.8	226.3	456.4	763.4	916.8	1022.4	1233.5
107.5°	247.9	216.0	184.2	216.0	247.9	255.8	458.8	729.4	864.7	1012.0	1306.6
110°	265.1	236.4	207.6	236.4	265.1	272.3	455.2	699.3	821.3	985.9	1315.3

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	285.4	258.0	230.6	258.0	285.4	292.2	455.4	672.9	781.8	950.3	1287.2
115°	315.9	290.7	265.3	290.7	315.9	322.2	459.6	642.8	734.4	896.7	1221.4
117.5°	345.6	322.6	299.6	322.6	345.6	351.4	468.2	623.9	701.8	848.4	1141.3
120°	362.9	341.3	319.6	341.3	362.9	368.3	475.1	617.6	688.8	822.7	1090.4
122.5°	382.8	361.0	339.2	361.0	382.8	388.3	485.1	614.3	678.8	799.3	1040.4
125°	408.9	389.0	369.1	389.0	408.9	413.9	498.6	611.5	668.0	770.4	975.2
127.5°	433.6	413.6	393.5	413.6	433.6	438.6	512.0	609.9	658.8	746.7	922.6
130°	449.7	428.1	406.5	428.1	449.7	455.1	521.9	610.9	655.4	733.7	890.2
132.5°	463.2	441.6	419.9	441.6	463.2	468.6	529.9	611.5	652.3	722.4	862.5
135°	479.3	459.6	439.9	459.6	479.3	484.3	538.5	610.9	647.1	705.7	823.1
137.5°	499.3	479.8	460.4	479.8	499.3	504.2	551.5	614.7	646.2	695.8	795.0
140°	513.2	495.2	477.3	495.2	513.2	517.7	559.6	615.3	643.2	686.0	771.8
142.5°	523.6	507.0	490.4	507.0	523.6	527.7	566.2	617.5	643.2	680.8	756.1
145°	539.2	524.8	510.3	524.8	539.2	542.8	574.9	617.6	638.9	669.7	731.2
147.5°	558.4	544.3	530.2	544.3	558.4	562.0	587.6	621.8	638.9	663.0	711.5
150°	568.8	556.0	543.3	556.0	568.8	572.0	594.3	624.0	638.9	659.3	700.2
152.5°	576.1	566.5	556.8	566.5	576.1	578.5	598.6	625.4	638.9	656.3	691.3
155°	591.0	583.8	576.7	583.8	591.0	592.8	608.1	628.6	638.9	652.8	680.6
157.5°	605.4	598.5	591.5	598.5	605.4	607.2	617.7	631.9	638.9	649.7	671.3
160°	612.3	606.9	601.5	606.9	612.3	613.6	622.0	633.3	638.9	648.1	666.6
162.5°	619.6	615.6	611.5	615.6	619.6	620.6	626.7	634.8	638.9	646.7	662.3
165°	629.7	626.1	622.3	626.1	629.7	630.6	633.3	637.0	638.9	644.5	655.7
167.5°	635.8	634.1	632.3	634.1	635.8	636.2	638.6	641.7	643.2	646.8	654.2
170°	642.3	640.6	638.9	640.6	642.3	642.8	642.9	643.1	643.2	646.8	654.2
172.5°	643.1	642.7	642.3	642.7	643.1	643.2	643.2	643.2	643.2	646.0	651.8
175°	647.1	647.1	647.1	647.1	647.1	647.1	645.8	644.0	643.2	645.0	648.7
177.5°	647.1	647.1	647.1	647.1	647.1	647.1	646.0	644.7	644.1	645.6	648.5
180°	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1429.0	1424.8	1430.4	1415.0	1430.4	1424.8	1429.0	1438.8	1430.4	1436.0	1441.6
5°	1253.9	1246.9	1224.5	1206.3	1224.5	1246.9	1253.9	1283.3	1297.3	1322.5	1356.2
7.5°	1120.8	1115.2	1109.6	1098.4	1109.6	1115.2	1120.8	1129.2	1143.2	1165.6	1190.9
10°	1091.4	1092.8	1101.2	1099.8	1101.2	1092.8	1091.4	1088.6	1084.4	1088.6	1104.0
12.5°	1167.0	1179.6	1225.9	1223.1	1225.9	1179.6	1167.0	1111.0	1073.2	1066.2	1069.0
15°	1253.9	1258.1	1267.9	1269.3	1267.9	1258.1	1253.9	1231.5	1118.0	1069.0	1053.6
17.5°	1262.3	1263.7	1270.7	1270.7	1270.7	1263.7	1262.3	1252.5	1214.7	1148.8	1062.0
20°	1255.3	1258.1	1272.1	1274.9	1272.1	1258.1	1255.3	1242.7	1221.7	1197.9	1132.0
22.5°	1252.5	1258.1	1269.3	1267.9	1269.3	1258.1	1252.5	1232.9	1214.7	1197.9	1171.2
25°	1238.5	1238.5	1239.9	1241.3	1239.9	1238.5	1238.5	1223.1	1186.6	1182.4	1167.0
27.5°	1209.1	1211.9	1220.3	1218.9	1220.3	1211.9	1209.1	1203.5	1164.2	1160.0	1148.8
30°	1182.4	1179.6	1172.6	1167.0	1172.6	1179.6	1182.4	1174.0	1134.8	1123.6	1126.4
32.5°	1137.6	1130.6	1123.6	1119.4	1123.6	1130.6	1137.6	1134.8	1105.4	1090.0	1092.8
35°	1084.4	1085.8	1084.4	1080.2	1084.4	1085.8	1084.4	1087.2	1069.0	1055.0	1053.6
37.5°	1046.5	1049.3	1047.9	1042.3	1047.9	1049.3	1046.5	1043.7	1018.5	1014.3	1017.1
40°	1007.3	1008.7	1007.3	1003.1	1007.3	1008.7	1007.3	1001.7	966.7	968.1	977.9
42.5°	969.5	968.1	963.9	961.1	963.9	968.1	969.5	961.1	916.3	912.1	930.3
45°	926.1	927.5	919.1	914.9	919.1	927.5	926.1	920.5	874.2	863.0	875.6
47.5°	882.6	882.6	875.6	871.4	875.6	882.6	882.6	875.6	826.6	815.4	822.4
50°	836.4	835.0	825.2	823.8	825.2	835.0	836.4	832.2	780.4	770.6	770.6
52.5°	783.2	783.2	784.6	787.4	784.6	783.2	783.2	784.6	738.3	728.5	725.7
55°	736.9	738.3	748.1	750.9	748.1	738.3	736.9	736.9	694.9	685.1	679.5
57.5°	689.3	689.3	696.3	696.3	696.3	689.3	689.3	686.5	645.9	637.5	634.7
60°	634.7	637.5	643.1	641.7	643.1	637.5	634.7	631.9	596.8	591.2	581.4
62.5°	577.2	580.0	581.4	578.6	581.4	580.0	577.2	568.8	547.8	543.6	531.0
65°	517.0	519.8	521.2	518.4	521.2	519.8	517.0	512.8	497.4	490.4	479.1
67.5°	455.3	453.9	452.5	458.1	452.5	453.9	455.3	449.7	439.9	434.3	418.9
70°	392.3	392.3	390.9	393.7	390.9	392.3	392.3	388.1	382.5	378.3	364.3
72.5°	325.0	323.6	329.2	325.0	329.2	323.6	325.0	323.6	320.8	316.6	302.6
75°	259.2	262.0	259.2	263.4	259.2	262.0	259.2	260.6	259.2	256.4	246.6
77.5°	197.5	200.3	197.5	197.5	197.5	200.3	197.5	198.9	198.9	198.9	190.5
80°	140.1	138.7	138.7	137.3	138.7	138.7	140.1	140.1	141.5	138.7	135.9
82.5°	89.7	88.3	88.3	91.1	88.3	88.3	89.7	91.1	88.3	88.3	88.3
85°	49.0	50.4	47.6	47.6	47.6	50.4	49.0	46.2	49.0	49.0	47.6
87.5°	18.2	16.8	16.8	16.8	16.8	16.8	18.2	19.6	19.6	19.6	21.0
90°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	22.0	29.3	33.0	28.3
92.5°	82.5	79.2	66.0	53.0	66.0	79.2	82.5	116.9	162.9	185.9	163.2
95°	280.1	270.2	230.4	190.6	230.4	270.2	280.1	367.8	484.8	543.3	458.9
97.5°	646.7	627.7	552.1	476.4	552.1	627.7	646.7	702.2	776.1	813.0	672.2
100°	908.1	885.6	795.4	705.3	795.4	885.6	908.1	904.1	898.7	896.0	739.7
102.5°	1131.4	1112.0	1034.9	957.6	1034.9	1112.0	1131.4	1060.7	966.5	919.4	760.9
105°	1391.9	1381.6	1340.0	1298.5	1340.0	1381.6	1391.9	1233.5	1022.4	916.8	763.4
107.5°	1527.5	1530.0	1540.0	1550.0	1540.0	1530.0	1527.5	1306.6	1012.0	864.7	729.4
110°	1562.2	1573.0	1616.2	1659.4	1616.2	1573.0	1562.2	1315.3	985.9	821.3	699.3

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1540.0	1556.6	1623.0	1689.4	1623.0	1556.6	1540.0	1287.2	950.3	781.8	672.9
115°	1464.9	1487.9	1580.0	1672.0	1580.0	1487.9	1464.9	1221.4	896.7	734.4	642.8
117.5°	1361.1	1386.6	1488.7	1590.8	1488.7	1386.6	1361.1	1141.3	848.4	701.8	623.9
120°	1291.2	1316.0	1415.2	1514.4	1415.2	1316.0	1291.2	1090.4	822.7	688.8	617.6
122.5°	1221.2	1245.7	1343.6	1441.4	1343.6	1245.7	1221.2	1040.4	799.3	678.8	614.3
125°	1128.7	1151.2	1241.5	1331.6	1241.5	1151.2	1128.7	975.2	770.4	668.0	611.5
127.5°	1054.5	1073.5	1149.6	1225.6	1149.6	1073.5	1054.5	922.6	746.7	658.8	609.9
130°	1007.6	1025.2	1095.4	1165.6	1095.4	1025.2	1007.6	890.2	733.7	655.4	610.9
132.5°	967.6	983.3	1046.3	1109.2	1046.3	983.3	967.6	862.5	722.4	652.3	611.5
135°	911.1	924.7	978.9	1033.2	978.9	924.7	911.1	823.1	705.7	647.1	610.9
137.5°	869.5	880.6	924.9	969.4	924.9	880.6	869.5	795.0	695.8	646.2	614.7
140°	836.0	846.4	888.0	929.4	888.0	846.4	836.0	771.8	686.0	643.2	615.3
142.5°	812.6	821.5	857.2	892.9	857.2	821.5	812.6	756.1	680.8	643.2	617.5
145°	777.4	784.1	811.2	838.2	811.2	784.1	777.4	731.2	669.7	638.9	617.6
147.5°	747.9	753.5	775.8	798.2	775.8	753.5	747.9	711.5	663.0	638.9	621.8
150°	730.9	735.5	753.6	771.8	753.6	735.5	730.9	700.2	659.3	638.9	624.0
152.5°	717.5	721.0	734.6	748.3	734.6	721.0	717.5	691.3	656.3	638.9	625.4
155°	701.4	703.7	712.7	721.8	712.7	703.7	701.4	680.6	652.8	638.9	628.6
157.5°	687.5	689.1	695.5	701.8	695.5	689.1	687.5	671.3	649.7	638.9	631.9
160°	680.5	681.4	685.1	688.8	685.1	681.4	680.5	666.6	648.1	638.9	633.3
162.5°	674.1	674.9	678.4	681.8	678.4	674.9	674.1	662.3	646.7	638.9	634.8
165°	664.1	665.0	668.7	672.3	668.7	665.0	664.1	655.7	644.5	638.9	637.0
167.5°	659.7	660.1	661.6	663.1	661.6	660.1	659.7	654.2	646.8	643.2	641.7
170°	659.7	659.7	659.7	659.7	659.7	659.7	659.7	654.2	646.8	643.2	643.1
172.5°	656.2	655.9	654.5	653.1	654.5	655.9	656.2	651.8	646.0	643.2	643.2
175°	651.5	651.5	651.5	651.5	651.5	651.5	651.5	648.7	645.0	643.2	644.0
177.5°	650.6	650.3	648.7	647.1	648.7	650.3	650.6	648.5	645.6	644.1	644.7
180°	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1462.6	1469.6	1473.9	1479.5	1493.5
5°	1406.6	1433.2	1441.6	1462.6	1487.9
7.5°	1283.3	1364.6	1387.0	1437.4	1476.7
10°	1164.2	1245.5	1284.7	1403.8	1462.6
12.5°	1104.0	1151.6	1178.2	1345.0	1443.0
15°	1066.2	1099.8	1119.4	1266.5	1420.6
17.5°	1036.7	1060.6	1074.6	1189.4	1389.8
20°	1018.5	1029.7	1042.3	1133.4	1354.8
22.5°	1005.9	998.9	1008.7	1094.2	1307.1
25°	997.5	970.9	982.1	1063.4	1251.1
27.5°	1004.5	945.7	949.9	1035.3	1192.3
30°	1005.9	914.9	916.3	1005.9	1126.4
32.5°	996.1	882.6	884.0	969.5	1052.2
35°	972.3	844.8	843.4	927.5	951.3
37.5°	940.1	804.2	804.2	881.2	840.6
40°	900.8	763.5	767.7	821.0	742.5
42.5°	853.2	720.1	725.7	741.1	669.7
45°	801.4	678.1	682.3	626.2	613.6
47.5°	743.9	634.7	636.1	519.8	595.4
50°	675.3	589.8	584.2	445.5	594.0
52.5°	615.0	540.8	524.0	403.5	539.4
55°	556.2	488.9	452.5	371.3	500.2
57.5°	504.4	421.7	386.7	333.4	491.8
60°	456.7	355.9	329.2	292.8	451.1
62.5°	417.5	306.8	301.2	264.8	409.1
65°	375.5	273.2	271.8	241.0	347.4
67.5°	334.8	250.8	249.4	218.6	264.8
70°	291.4	227.0	224.2	194.7	196.1
72.5°	246.6	200.3	197.5	175.1	162.5
75°	201.7	169.5	168.1	152.7	131.7
77.5°	158.3	134.5	137.3	123.3	96.7
80°	113.5	98.1	100.9	88.3	72.9
82.5°	75.7	64.4	67.2	56.0	49.0
85°	42.0	36.4	37.8	29.4	22.4
87.5°	19.6	16.8	16.8	11.2	7.0
90°	19.1	12.1	11.3	7.8	4.3
92.5°	117.8	83.8	76.4	46.9	17.4
95°	289.9	163.3	149.7	95.7	41.7
97.5°	390.6	179.3	167.4	119.7	72.1
100°	427.2	192.9	182.0	138.8	95.5
102.5°	444.0	206.3	196.2	155.9	115.5
105°	456.4	226.3	217.8	183.6	149.4
107.5°	458.8	255.8	247.9	216.0	184.2
110°	455.2	272.3	265.1	236.4	207.6

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	455.4	292.2	285.4	258.0	230.6
115°	459.6	322.2	315.9	290.7	265.3
117.5°	468.2	351.4	345.6	322.6	299.6
120°	475.1	368.3	362.9	341.3	319.6
122.5°	485.1	388.3	382.8	361.0	339.2
125°	498.6	413.9	408.9	389.0	369.1
127.5°	512.0	438.6	433.6	413.6	393.5
130°	521.9	455.1	449.7	428.1	406.5
132.5°	529.9	468.6	463.2	441.6	419.9
135°	538.5	484.3	479.3	459.6	439.9
137.5°	551.5	504.2	499.3	479.8	460.4
140°	559.6	517.7	513.2	495.2	477.3
142.5°	566.2	527.7	523.6	507.0	490.4
145°	574.9	542.8	539.2	524.8	510.3
147.5°	587.6	562.0	558.4	544.3	530.2
150°	594.3	572.0	568.8	556.0	543.3
152.5°	598.6	578.5	576.1	566.5	556.8
155°	608.1	592.8	591.0	583.8	576.7
157.5°	617.7	607.2	605.4	598.5	591.5
160°	622.0	613.6	612.3	606.9	601.5
162.5°	626.7	620.6	619.6	615.6	611.5
165°	633.3	630.6	629.7	626.1	622.3
167.5°	638.6	636.2	635.8	634.1	632.3
170°	642.9	642.8	642.3	640.6	638.9
172.5°	643.2	643.2	643.1	642.7	642.3
175°	645.8	647.1	647.1	647.1	647.1
177.5°	646.0	647.1	647.1	647.1	647.1
180°	647.1	647.1	647.1	647.1	647.1

TEST NUMBER: P934791

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-W2A-W-6-5000K

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	12.29	13.13	13.27	14.12	15.43	15.12	15.96	16.09	16.95	18.25
	3H	12.77	13.52	13.75	14.52	15.84	16.46	17.21	17.44	18.21	19.53
	4H	12.96	13.67	13.96	14.67	16.01	16.90	17.61	17.90	18.62	19.95
	6H	13.08	13.73	14.09	14.74	16.08	17.18	17.84	18.19	18.85	20.19
	8H	13.08	13.70	14.09	14.73	16.07	17.26	17.88	18.27	18.91	20.25
	12H	13.05	13.64	14.07	14.66	16.02	17.29	17.89	18.31	18.91	20.27
4H	2H	13.32	14.03	14.33	15.04	16.37	15.52	16.24	16.53	17.24	18.57
	3H	14.35	14.94	15.36	15.97	17.32	17.03	17.62	18.04	18.65	20.00
	4H	14.62	15.17	15.64	16.19	17.56	17.55	18.10	18.57	19.12	20.49
	6H	14.75	15.21	15.78	16.26	17.62	17.91	18.38	18.95	19.43	20.79
	8H	14.75	15.19	15.79	16.23	17.61	18.02	18.46	19.05	19.50	20.88
	12H	14.72	15.11	15.77	16.17	17.55	18.07	18.47	19.13	19.52	20.91
8H	4H	15.07	15.51	16.11	16.55	17.93	17.67	18.11	18.71	19.15	20.53
	6H	15.33	15.69	16.39	16.78	18.15	18.11	18.47	19.17	19.55	20.93
	8H	15.38	15.69	16.44	16.76	18.16	18.26	18.58	19.33	19.64	21.04
	12H	15.36	15.64	16.43	16.70	18.14	18.36	18.64	19.43	19.70	21.13
12H	4H	15.08	15.47	16.13	16.53	17.91	17.64	18.03	18.69	19.09	20.47
	6H	15.39	15.71	16.46	16.78	18.17	18.11	18.42	19.17	19.49	20.89
	8H	15.46	15.74	16.53	16.80	18.24	18.27	18.54	19.34	19.61	21.04

END OF REPORT