

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: P934340

Luminaire Tested: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934340
REPORT IS A COMBINATION OF REPORTS P933695 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

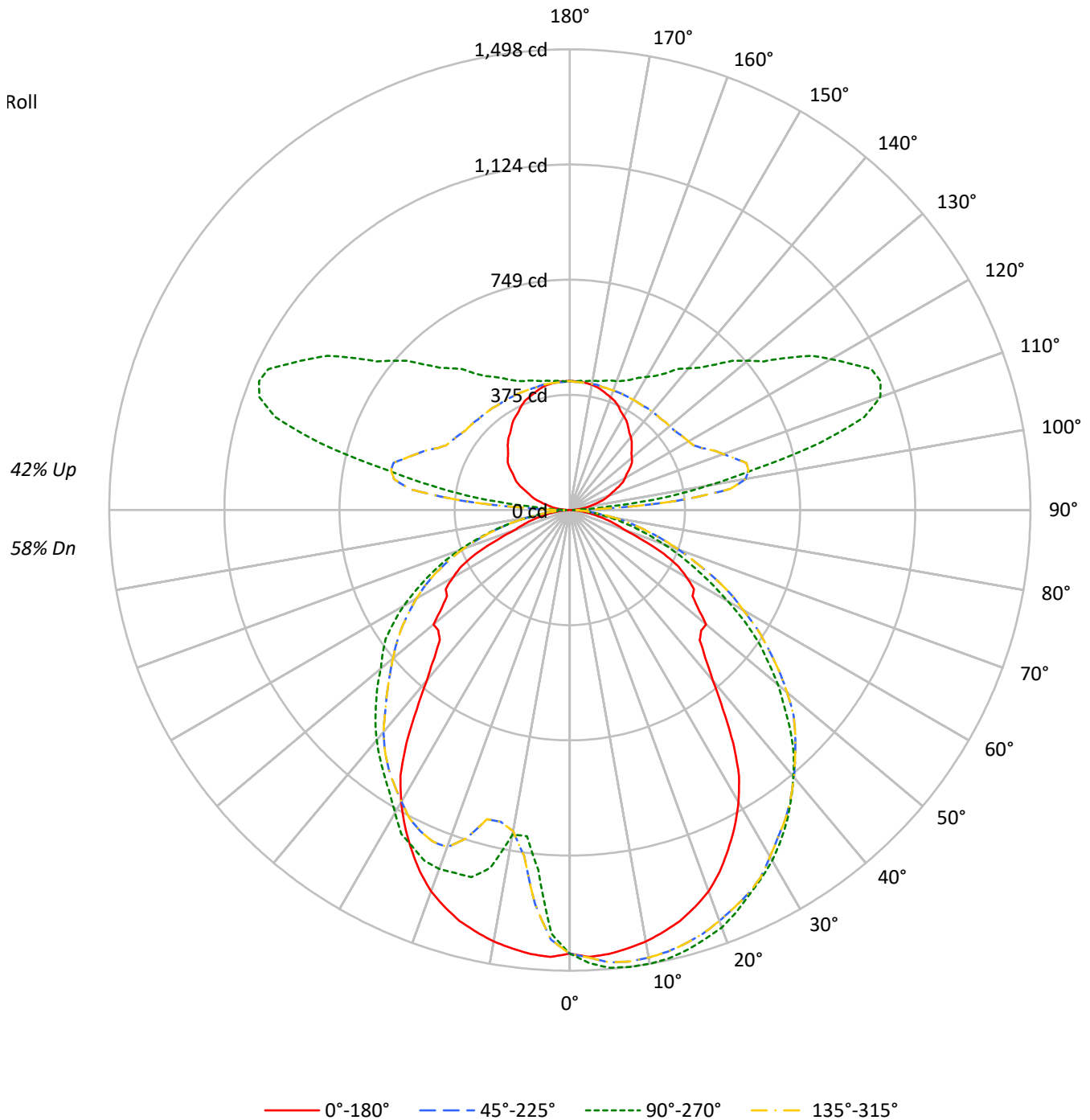
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6457.5 lumens
Efficiency: N/A
Efficacy: 118.3 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): 54.6
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

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CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									20
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR	0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58	58	58	49	49	49	41	41	41	35	35	35																
	1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49	49	49	41	41	41	35	35	35	30	30	30																
	2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41	41	41	35	35	35	30	30	30	26	26	26																
	3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35	35	35	30	30	30	26	26	26	23	23	23																
	4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30	30	30	26	26	26	23	23	23	20	20	20																
	5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26	26	26	23	23	23	20	20	20	18	18	18																
	6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23	23	23	20	20	20	18	18	18	16	16	16																
	7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20	20	20	18	18	18	16	16	16	14	14	14																
	8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18	18	18	16	16	16	14	14	14	12	12	12																
	9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16	16	16	14	14	14	12	12	12	10	10	10																
	10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	16	16	16	14	14	14	12	12	12	10	10	10																

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8922	8922	8922	8922
5°	8986	9006	8986	7082
10°	8922	8872	8922	6343
15°	8822	8679	8822	7247
20°	8633	8452	8633	7263
25°	8253	8119	8253	7109
30°	7761	7844	7761	6771
35°	6916	7495	6916	6399
40°	5760	7084	5760	6119
45°	5142	6604	5142	5796
50°	5459	6031	5459	5472
55°	5131	5413	5131	5285
60°	5284	4597	5284	4840
65°	4782	3800	4782	4248
70°	3303	3029	3303	3561
75°	2887	2239	2887	2681
80°	2311	1480	2311	1612
85°	1300	784	1300	666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7887 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	2.0
10°-20°	369.6	5.7
20°-30°	571.4	8.8
30°-40°	682.1	10.6
40°-50°	686.1	10.6
50°-60°	597.0	9.2
60°-70°	423.3	6.6
70°-80°	223.9	3.5
80°-90°	57.4	0.9
90°-100°	204.3	3.2
100°-110°	537.0	8.3
110°-120°	556.8	8.6
120°-130°	446.6	6.9
130°-140°	350.4	5.4
140°-150°	269.0	4.2
150°-160°	193.7	3.0
160°-170°	118.5	1.8
170°-180°	40.0	0.6
0°-30°	1071.2	16.6
0°-40°	1753.3	27.2
0°-60°	3036.4	47.0
0°-90°	3741.1	57.9
90°-120°	1298.1	20.1
90°-150°	2364.1	36.6
90°-180°	2716.0	42.1
0°-180°	6457.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1442	1442	1442	1442	1442	
5°	1449	1494	1449	1175	1449	137
15°	1384	1480	1384	1236	1384	389
25°	1218	1381	1218	1209	1218	559
35°	926	1232	926	1052	926	573
45°	598	1015	598	891	598	479
55°	487	749	487	731	487	448
65°	338	452	338	505	338	323
75°	128	214	128	256	128	135
85°	22	55	22	46	22	29
90°	3	11	3	11	3	3
95°	27	123	27	123	27	30
105°	97	841	97	841	97	103
115°	172	1083	172	1083	172	170
125°	239	862	239	862	239	212
135°	285	669	285	669	285	220
145°	330	543	330	543	330	207
155°	374	467	374	467	374	172
165°	403	435	403	435	403	114
175°	419	422	419	422	419	40
180°	419	419	419	419	419	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1454.5	1454.5	1462.7	1465.4	1465.4	1461.3	1457.2	1461.3	1473.6	1477.7	1476.3
5°	1449.1	1460.0	1475.0	1477.7	1480.4	1479.1	1476.3	1479.1	1492.7	1495.4	1496.8
7.5°	1438.1	1458.6	1477.7	1481.8	1485.9	1481.8	1480.4	1483.2	1496.8	1499.5	1499.5
10°	1424.5	1453.1	1475.0	1477.7	1481.8	1477.7	1477.7	1483.2	1496.8	1499.5	1500.9
12.5°	1405.4	1445.0	1465.4	1468.2	1473.6	1472.2	1470.9	1476.3	1490.0	1492.7	1492.7
15°	1383.6	1429.9	1449.1	1451.8	1461.3	1458.6	1458.6	1464.1	1479.1	1483.2	1481.8
17.5°	1353.5	1410.8	1432.7	1436.8	1443.6	1442.2	1443.6	1449.1	1462.7	1465.4	1466.8
20°	1319.4	1384.9	1410.8	1414.9	1421.8	1421.8	1421.8	1428.6	1442.2	1447.7	1447.7
22.5°	1273.0	1357.6	1384.9	1387.7	1395.8	1395.8	1398.6	1408.1	1420.4	1421.8	1421.8
25°	1218.5	1327.6	1350.8	1359.0	1367.2	1371.3	1375.4	1380.8	1384.9	1383.6	1384.9
27.5°	1161.2	1289.4	1319.4	1324.9	1335.8	1339.9	1345.4	1346.7	1348.1	1352.2	1349.4
30°	1097.0	1236.2	1281.2	1286.7	1304.4	1307.1	1301.7	1304.4	1311.2	1314.0	1316.7
32.5°	1024.7	1157.1	1241.7	1253.9	1270.3	1262.1	1260.8	1264.9	1275.8	1275.8	1278.5
35°	926.5	1095.7	1204.8	1215.7	1228.0	1218.5	1223.9	1225.3	1232.1	1236.2	1234.8
37.5°	818.7	1042.4	1166.6	1174.8	1184.3	1172.1	1180.3	1184.3	1189.8	1187.1	1187.1
40°	723.2	959.2	1121.6	1127.0	1135.2	1125.7	1133.9	1136.6	1139.3	1136.6	1135.2
42.5°	652.2	867.8	1073.8	1080.6	1075.2	1082.0	1084.7	1090.2	1086.1	1080.6	1080.6
45°	597.6	843.2	1022.0	1030.2	1022.0	1032.9	1037.0	1037.0	1024.7	1022.0	1020.6
47.5°	579.9	794.1	970.1	970.1	966.0	979.7	986.5	977.0	964.7	960.6	960.6
50°	578.5	739.5	899.2	893.7	912.8	929.2	922.4	912.8	903.3	888.3	888.3
52.5°	525.3	672.7	807.8	828.2	858.2	867.8	856.9	847.3	831.0	824.1	818.7
55°	487.1	603.1	724.5	765.5	796.8	809.1	788.7	779.1	754.5	750.5	747.7
57.5°	478.9	502.1	648.1	700.0	738.2	736.8	724.5	706.8	686.3	682.2	680.9
60°	439.4	362.9	566.2	627.6	667.2	663.1	652.2	635.8	616.7	614.0	611.3
62.5°	398.4	263.3	473.5	543.1	599.0	597.6	588.1	563.5	549.9	543.1	537.6
65°	338.4	221.0	337.0	451.6	532.1	534.9	514.4	496.7	481.7	473.5	472.1
67.5°	257.9	180.1	227.9	376.6	468.0	465.3	439.4	431.2	412.1	408.0	399.8
70°	191.0	120.1	158.3	305.6	405.2	398.4	378.0	368.4	350.7	341.1	335.7
72.5°	158.3	96.9	116.0	237.4	341.1	332.9	315.2	304.3	289.3	281.1	275.6
75°	128.3	102.3	88.7	176.0	277.0	271.5	255.2	244.2	232.0	221.0	222.4
77.5°	94.1	95.5	71.0	129.6	219.7	211.5	201.9	188.3	182.8	171.9	171.9
80°	71.0	75.0	53.2	88.7	158.3	158.3	150.1	140.5	131.0	125.5	125.5
82.5°	47.8	47.8	39.6	55.9	107.8	103.7	98.2	95.5	90.1	87.3	87.3
85°	21.8	27.3	24.6	34.1	58.7	61.4	61.4	58.7	57.3	54.6	55.9
87.5°	6.8	12.3	15.0	19.1	30.0	31.4	32.7	32.7	32.7	34.1	34.1
90°	2.8	5.1	7.4	7.9	12.4	18.4	21.4	19.0	14.2	10.6	10.6
92.5°	11.3	30.4	49.5	54.3	76.3	105.7	120.3	105.4	75.7	53.4	51.3
95°	27.0	61.9	97.0	105.7	187.7	297.2	351.8	314.0	238.2	181.4	174.9
97.5°	46.7	77.6	108.4	116.2	253.0	435.4	526.5	502.6	454.6	418.7	406.4
100°	61.9	89.9	117.9	124.9	276.6	479.0	580.2	581.9	585.4	588.1	573.5
102.5°	74.8	101.0	127.1	133.6	287.5	492.8	595.4	625.8	686.9	732.6	720.2
105°	96.8	118.9	141.0	146.5	295.5	494.3	593.6	662.0	798.8	901.4	894.6
107.5°	119.3	139.9	160.5	165.6	297.1	472.3	559.9	655.2	846.0	989.0	990.7
110°	134.4	153.0	171.6	176.3	294.8	452.8	531.8	638.4	851.7	1011.6	1018.6



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CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	149.4	167.1	184.8	189.3	294.9	435.8	506.2	615.4	833.6	997.2	1008.0
115°	171.8	188.2	204.6	208.7	297.6	416.2	475.6	580.7	790.9	948.6	963.5
117.5°	194.0	208.9	223.8	227.5	303.2	404.1	454.5	549.3	739.1	881.3	897.9
120°	206.9	221.0	235.0	238.5	307.6	399.9	446.0	532.7	706.1	836.0	852.1
122.5°	219.7	233.8	247.9	251.4	314.1	397.7	439.5	517.6	673.8	790.8	806.7
125°	239.1	251.9	264.8	268.0	322.8	396.0	432.5	498.8	631.5	730.9	745.4
127.5°	254.8	267.8	280.8	284.1	331.6	395.0	426.6	483.6	597.4	682.8	695.1
130°	263.2	277.3	291.3	294.7	337.9	395.5	424.3	475.0	576.4	652.5	663.9
132.5°	272.0	286.0	300.0	303.5	343.1	396.0	422.4	467.8	558.5	626.6	636.7
135°	284.9	297.6	310.4	313.6	348.8	395.6	419.1	457.1	533.0	590.0	598.8
137.5°	298.1	310.7	323.3	326.5	357.1	398.0	418.4	450.5	514.8	563.0	570.2
140°	309.1	320.7	332.3	335.2	362.3	398.4	416.5	444.3	499.8	541.3	548.1
142.5°	317.5	328.2	338.9	341.7	366.6	399.9	416.5	440.9	489.6	526.1	532.0
145°	330.5	339.8	349.2	351.6	372.3	399.9	413.7	433.6	473.5	503.4	507.8
147.5°	343.4	352.5	361.7	363.9	380.5	402.6	413.7	429.3	460.7	484.3	487.9
150°	351.8	360.1	368.3	370.4	384.9	404.1	413.7	427.0	453.5	473.3	476.2
152.5°	360.5	366.8	373.0	374.6	387.6	405.0	413.7	425.0	447.6	464.6	466.7
155°	373.5	378.1	382.7	383.9	393.8	407.1	413.7	422.7	440.7	454.2	455.6
157.5°	383.0	387.5	392.1	393.1	400.0	409.2	413.7	420.7	434.7	445.2	446.2
160°	389.5	393.0	396.4	397.3	402.8	410.1	413.7	419.7	431.7	440.7	441.3
162.5°	396.0	398.6	401.2	401.9	405.8	411.1	413.7	418.8	428.9	436.4	437.0
165°	403.0	405.3	407.7	408.3	410.2	412.5	413.7	417.3	424.5	430.0	430.6
167.5°	409.4	410.5	411.7	412.0	413.5	415.5	416.5	418.9	423.6	427.2	427.4
170°	413.7	414.8	416.0	416.2	416.3	416.4	416.5	418.9	423.6	427.2	427.2
172.5°	416.0	416.2	416.4	416.5	416.5	416.5	416.5	418.3	422.1	424.9	424.7
175°	419.1	419.1	419.1	419.1	418.3	417.1	416.5	417.7	420.1	421.8	421.8
177.5°	419.1	419.1	419.1	419.1	418.4	417.5	417.1	418.0	419.9	421.3	421.0
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1479.1	1475.0	1479.1	1476.3	1477.7	1473.6	1461.3	1457.2	1461.3	1465.4	1465.4
5°	1496.8	1494.1	1496.8	1496.8	1495.4	1492.7	1479.1	1476.3	1479.1	1480.4	1477.7
7.5°	1502.3	1498.2	1502.3	1499.5	1499.5	1496.8	1483.2	1480.4	1481.8	1485.9	1481.8
10°	1502.3	1498.2	1502.3	1500.9	1499.5	1496.8	1483.2	1477.7	1477.7	1481.8	1477.7
12.5°	1495.4	1492.7	1495.4	1492.7	1492.7	1490.0	1476.3	1470.9	1472.2	1473.6	1468.2
15°	1484.5	1480.4	1484.5	1481.8	1483.2	1479.1	1464.1	1458.6	1458.6	1461.3	1451.8
17.5°	1468.2	1462.7	1468.2	1466.8	1465.4	1462.7	1449.1	1443.6	1442.2	1443.6	1436.8
20°	1449.1	1445.0	1449.1	1447.7	1447.7	1442.2	1428.6	1421.8	1421.8	1421.8	1414.9
22.5°	1419.0	1414.9	1419.0	1421.8	1421.8	1420.4	1408.1	1398.6	1395.8	1395.8	1387.7
25°	1384.9	1380.8	1384.9	1384.9	1383.6	1384.9	1380.8	1375.4	1371.3	1367.2	1359.0
27.5°	1352.2	1349.4	1352.2	1349.4	1352.2	1348.1	1346.7	1345.4	1339.9	1335.8	1324.9
30°	1319.4	1316.7	1319.4	1316.7	1314.0	1311.2	1304.4	1301.7	1307.1	1304.4	1286.7
32.5°	1278.5	1275.8	1278.5	1278.5	1275.8	1275.8	1264.9	1260.8	1262.1	1270.3	1253.9
35°	1236.2	1232.1	1236.2	1234.8	1236.2	1232.1	1225.3	1223.9	1218.5	1228.0	1215.7
37.5°	1187.1	1183.0	1187.1	1187.1	1187.1	1189.8	1184.3	1180.3	1172.1	1184.3	1174.8
40°	1136.6	1131.1	1136.6	1135.2	1136.6	1139.3	1136.6	1133.9	1125.7	1135.2	1127.0
42.5°	1079.3	1077.9	1079.3	1080.6	1080.6	1086.1	1090.2	1084.7	1082.0	1075.2	1080.6
45°	1017.9	1015.2	1017.9	1020.6	1022.0	1024.7	1037.0	1037.0	1032.9	1022.0	1030.2
47.5°	952.4	945.6	952.4	960.6	960.6	964.7	977.0	986.5	979.7	966.0	970.1
50°	882.8	884.2	882.8	888.3	888.3	903.3	912.8	922.4	929.2	912.8	893.7
52.5°	814.6	813.2	814.6	818.7	824.1	831.0	847.3	856.9	867.8	858.2	828.2
55°	746.4	749.1	746.4	747.7	750.5	754.5	779.1	788.7	809.1	796.8	765.5
57.5°	678.1	674.0	678.1	680.9	682.2	686.3	706.8	724.5	736.8	738.2	700.0
60°	599.0	593.5	599.0	611.3	614.0	616.7	635.8	652.2	663.1	667.2	627.6
62.5°	529.4	519.9	529.4	537.6	543.1	549.9	563.5	588.1	597.6	599.0	543.1
65°	455.7	451.6	455.7	472.1	473.5	481.7	496.7	514.4	534.9	532.1	451.6
67.5°	388.9	388.9	388.9	399.8	408.0	412.1	431.2	439.4	465.3	468.0	376.6
70°	327.5	326.1	327.5	335.7	341.1	350.7	368.4	378.0	398.4	405.2	305.6
72.5°	268.8	267.4	268.8	275.6	281.1	289.3	304.3	315.2	332.9	341.1	237.4
75°	216.9	214.2	216.9	222.4	221.0	232.0	244.2	255.2	271.5	277.0	176.0
77.5°	166.5	166.5	166.5	171.9	171.9	182.8	188.3	201.9	211.5	219.7	129.6
80°	124.2	122.8	124.2	125.5	125.5	131.0	140.5	150.1	158.3	158.3	88.7
82.5°	87.3	84.6	87.3	87.3	87.3	90.1	95.5	98.2	103.7	107.8	55.9
85°	54.6	54.6	54.6	55.9	54.6	57.3	58.7	61.4	61.4	58.7	34.1
87.5°	35.5	34.1	35.5	34.1	34.1	32.7	32.7	32.7	31.4	30.0	19.1
90°	10.6	10.6	10.6	10.6	10.6	14.2	19.0	21.4	18.4	12.4	7.9
92.5°	42.8	34.3	42.8	51.3	53.4	75.7	105.4	120.3	105.7	76.3	54.3
95°	149.2	123.4	149.2	174.9	181.4	238.2	314.0	351.8	297.2	187.7	105.7
97.5°	357.5	308.5	357.5	406.4	418.7	454.6	502.6	526.5	435.4	253.0	116.2
100°	515.1	456.7	515.1	573.5	588.1	585.4	581.9	580.2	479.0	276.6	124.9
102.5°	670.1	620.1	670.1	720.2	732.6	686.9	625.8	595.4	492.8	287.5	133.6
105°	867.8	840.9	867.8	894.6	901.4	798.8	662.0	593.6	494.3	295.5	146.5
107.5°	997.1	1003.7	997.1	990.7	989.0	846.0	655.2	559.9	472.3	297.1	165.6
110°	1046.5	1074.6	1046.5	1018.6	1011.6	851.7	638.4	531.8	452.8	294.8	176.3



TEST NUMBER: P934340

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1051.0	1093.9	1051.0	1008.0	997.2	833.6	615.4	506.2	435.8	294.9	189.3
115°	1023.1	1082.7	1023.1	963.5	948.6	790.9	580.7	475.6	416.2	297.6	208.7
117.5°	964.0	1030.2	964.0	897.9	881.3	739.1	549.3	454.5	404.1	303.2	227.5
120°	916.4	980.7	916.4	852.1	836.0	706.1	532.7	446.0	399.9	307.6	238.5
122.5°	870.1	933.4	870.1	806.7	790.8	673.8	517.6	439.5	397.7	314.1	251.4
125°	803.8	862.2	803.8	745.4	730.9	631.5	498.8	432.5	396.0	322.8	268.0
127.5°	744.4	793.7	744.4	695.1	682.8	597.4	483.6	426.6	395.0	331.6	284.1
130°	709.3	754.8	709.3	663.9	652.5	576.4	475.0	424.3	395.5	337.9	294.7
132.5°	677.5	718.2	677.5	636.7	626.6	558.5	467.8	422.4	396.0	343.1	303.5
135°	633.9	669.0	633.9	598.8	590.0	533.0	457.1	419.1	395.6	348.8	313.6
137.5°	599.0	627.7	599.0	570.2	563.0	514.8	450.5	418.4	398.0	357.1	326.5
140°	574.9	601.8	574.9	548.1	541.3	499.8	444.3	416.5	398.4	362.3	335.2
142.5°	555.1	578.2	555.1	532.0	526.1	489.6	440.9	416.5	399.9	366.6	341.7
145°	525.3	542.8	525.3	507.8	503.4	473.5	433.6	413.7	399.9	372.3	351.6
147.5°	502.4	516.9	502.4	487.9	484.3	460.7	429.3	413.7	402.6	380.5	363.9
150°	488.0	499.8	488.0	476.2	473.3	453.5	427.0	413.7	404.1	384.9	370.4
152.5°	475.6	484.6	475.6	466.7	464.6	447.6	425.0	413.7	405.0	387.6	374.6
155°	461.5	467.4	461.5	455.6	454.2	440.7	422.7	413.7	407.1	393.8	383.9
157.5°	450.4	454.5	450.4	446.2	445.2	434.7	420.7	413.7	409.2	400.0	393.1
160°	443.6	446.0	443.6	441.3	440.7	431.7	419.7	413.7	410.1	402.8	397.3
162.5°	439.3	441.5	439.3	437.0	436.4	428.9	418.8	413.7	411.1	405.8	401.9
165°	433.0	435.4	433.0	430.6	430.0	424.5	417.3	413.7	412.5	410.2	408.3
167.5°	428.4	429.4	428.4	427.4	427.2	423.6	418.9	416.5	415.5	413.5	412.0
170°	427.2	427.2	427.2	427.2	427.2	423.6	418.9	416.5	416.4	416.3	416.2
172.5°	423.8	423.0	423.8	424.7	424.9	422.1	418.3	416.5	416.5	416.5	416.5
175°	421.8	421.8	421.8	421.8	421.8	420.1	417.7	416.5	417.1	418.3	419.1
177.5°	420.1	419.1	420.1	421.0	421.3	419.9	418.0	417.1	417.5	418.4	419.1
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P934340

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1462.7	1454.5	1454.5	1440.9	1435.4	1431.3	1424.5	1404.0	1398.6	1393.1	1401.3
5°	1475.0	1460.0	1449.1	1424.5	1404.0	1395.8	1369.9	1320.8	1288.0	1263.5	1249.8
7.5°	1477.7	1458.6	1438.1	1399.9	1350.8	1329.0	1249.8	1159.8	1135.2	1113.4	1099.8
10°	1475.0	1453.1	1424.5	1367.2	1251.2	1213.0	1133.9	1075.2	1060.2	1056.1	1060.2
12.5°	1465.4	1445.0	1405.4	1309.9	1147.5	1121.6	1075.2	1041.1	1038.4	1045.2	1082.0
15°	1449.1	1429.9	1383.6	1233.5	1090.2	1071.1	1038.4	1026.1	1041.1	1088.8	1199.4
17.5°	1432.7	1410.8	1353.5	1158.4	1046.5	1032.9	1009.7	1034.3	1118.9	1183.0	1219.8
20°	1410.8	1384.9	1319.4	1103.8	1015.2	1002.9	992.0	1102.5	1166.6	1189.8	1210.3
22.5°	1384.9	1357.6	1273.0	1065.6	982.4	972.9	979.7	1140.7	1166.6	1183.0	1200.7
25°	1350.8	1327.6	1218.5	1035.6	956.5	945.6	971.5	1136.6	1151.6	1155.7	1191.2
27.5°	1319.4	1289.4	1161.2	1008.3	925.1	921.0	978.3	1118.9	1129.8	1133.9	1172.1
30°	1281.2	1236.2	1097.0	979.7	892.4	891.0	979.7	1097.0	1094.3	1105.2	1143.4
32.5°	1241.7	1157.1	1024.7	944.2	861.0	859.6	970.1	1064.3	1061.5	1076.6	1105.2
35°	1204.8	1095.7	926.5	903.3	821.4	822.8	946.9	1026.1	1027.4	1041.1	1058.8
37.5°	1166.6	1042.4	818.7	858.2	783.2	783.2	915.5	990.6	987.9	992.0	1016.5
40°	1121.6	959.2	723.2	799.6	747.7	743.6	877.3	952.4	942.8	941.5	975.6
42.5°	1073.8	867.8	652.2	721.8	706.8	701.3	831.0	906.0	888.3	892.4	936.0
45°	1022.0	843.2	597.6	609.9	664.5	660.4	780.5	852.8	840.5	851.4	896.4
47.5°	970.1	794.1	579.9	506.2	619.5	618.1	724.5	800.9	794.1	805.0	852.8
50°	899.2	739.5	578.5	433.9	569.0	574.4	657.7	750.5	750.5	760.0	810.5
52.5°	807.8	672.7	525.3	393.0	510.3	526.7	599.0	706.8	709.5	719.1	764.1
55°	724.5	603.1	487.1	361.6	440.7	476.2	541.7	661.8	667.2	676.8	717.7
57.5°	648.1	502.1	478.9	324.7	376.6	410.7	491.2	618.1	620.8	629.0	668.6
60°	566.2	362.9	439.4	285.2	320.6	346.6	444.8	566.2	575.8	581.3	615.4
62.5°	473.5	263.3	398.4	257.9	293.4	298.8	406.6	517.1	529.4	533.5	554.0
65°	337.0	221.0	338.4	234.7	264.7	266.1	365.7	466.6	477.6	484.4	499.4
67.5°	227.9	180.1	257.9	212.9	242.9	244.2	326.1	408.0	423.0	428.4	438.0
70°	158.3	120.1	191.0	189.7	218.3	221.0	283.8	354.8	368.4	372.5	378.0
72.5°	116.0	96.9	158.3	170.6	192.4	195.1	240.1	294.7	308.4	312.5	315.2
75°	88.7	102.3	128.3	148.7	163.7	165.1	196.5	240.1	249.7	252.4	253.8
77.5°	71.0	95.5	94.1	120.1	133.7	131.0	154.2	185.6	193.8	193.8	193.8
80°	53.2	75.0	71.0	86.0	98.2	95.5	110.5	132.4	135.1	137.8	136.4
82.5°	39.6	47.8	47.8	54.6	65.5	62.8	73.7	86.0	86.0	86.0	88.7
85°	24.6	27.3	21.8	28.7	36.8	35.5	40.9	46.4	47.8	47.8	45.0
87.5°	15.0	12.3	6.8	10.9	16.4	16.4	19.1	20.5	19.1	19.1	19.1
90°	7.4	5.1	2.8	5.1	7.4	7.9	12.4	18.4	21.4	19.0	14.2
92.5°	49.5	30.4	11.3	30.4	49.5	54.3	76.3	105.7	120.3	105.4	75.7
95°	97.0	61.9	27.0	61.9	97.0	105.7	187.7	297.2	351.8	314.0	238.2
97.5°	108.4	77.6	46.7	77.6	108.4	116.2	253.0	435.4	526.5	502.6	454.6
100°	117.9	89.9	61.9	89.9	117.9	124.9	276.6	479.0	580.2	581.9	585.4
102.5°	127.1	101.0	74.8	101.0	127.1	133.6	287.5	492.8	595.4	625.8	686.9
105°	141.0	118.9	96.8	118.9	141.0	146.5	295.5	494.3	593.6	662.0	798.8
107.5°	160.5	139.9	119.3	139.9	160.5	165.6	297.1	472.3	559.9	655.2	846.0
110°	171.6	153.0	134.4	153.0	171.6	176.3	294.8	452.8	531.8	638.4	851.7



TEST NUMBER: P934340

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	184.8	167.1	149.4	167.1	184.8	189.3	294.9	435.8	506.2	615.4	833.6
115°	204.6	188.2	171.8	188.2	204.6	208.7	297.6	416.2	475.6	580.7	790.9
117.5°	223.8	208.9	194.0	208.9	223.8	227.5	303.2	404.1	454.5	549.3	739.1
120°	235.0	221.0	206.9	221.0	235.0	238.5	307.6	399.9	446.0	532.7	706.1
122.5°	247.9	233.8	219.7	233.8	247.9	251.4	314.1	397.7	439.5	517.6	673.8
125°	264.8	251.9	239.1	251.9	264.8	268.0	322.8	396.0	432.5	498.8	631.5
127.5°	280.8	267.8	254.8	267.8	280.8	284.1	331.6	395.0	426.6	483.6	597.4
130°	291.3	277.3	263.2	277.3	291.3	294.7	337.9	395.5	424.3	475.0	576.4
132.5°	300.0	286.0	272.0	286.0	300.0	303.5	343.1	396.0	422.4	467.8	558.5
135°	310.4	297.6	284.9	297.6	310.4	313.6	348.8	395.6	419.1	457.1	533.0
137.5°	323.3	310.7	298.1	310.7	323.3	326.5	357.1	398.0	418.4	450.5	514.8
140°	332.3	320.7	309.1	320.7	332.3	335.2	362.3	398.4	416.5	444.3	499.8
142.5°	338.9	328.2	317.5	328.2	338.9	341.7	366.6	399.9	416.5	440.9	489.6
145°	349.2	339.8	330.5	339.8	349.2	351.6	372.3	399.9	413.7	433.6	473.5
147.5°	361.7	352.5	343.4	352.5	361.7	363.9	380.5	402.6	413.7	429.3	460.7
150°	368.3	360.1	351.8	360.1	368.3	370.4	384.9	404.1	413.7	427.0	453.5
152.5°	373.0	366.8	360.5	366.8	373.0	374.6	387.6	405.0	413.7	425.0	447.6
155°	382.7	378.1	373.5	378.1	382.7	383.9	393.8	407.1	413.7	422.7	440.7
157.5°	392.1	387.5	383.0	387.5	392.1	393.1	400.0	409.2	413.7	420.7	434.7
160°	396.4	393.0	389.5	393.0	396.4	397.3	402.8	410.1	413.7	419.7	431.7
162.5°	401.2	398.6	396.0	398.6	401.2	401.9	405.8	411.1	413.7	418.8	428.9
165°	407.7	405.3	403.0	405.3	407.7	408.3	410.2	412.5	413.7	417.3	424.5
167.5°	411.7	410.5	409.4	410.5	411.7	412.0	413.5	415.5	416.5	418.9	423.6
170°	416.0	414.8	413.7	414.8	416.0	416.2	416.3	416.4	416.5	418.9	423.6
172.5°	416.4	416.2	416.0	416.2	416.4	416.5	416.5	416.5	416.5	418.3	422.1
175°	419.1	419.1	419.1	419.1	419.1	419.1	418.3	417.1	416.5	417.7	420.1
177.5°	419.1	419.1	419.1	419.1	419.1	419.1	418.4	417.5	417.1	418.0	419.9
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P934340

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1391.7	1387.7	1393.1	1378.1	1393.1	1387.7	1391.7	1401.3	1393.1	1398.6	1404.0
5°	1221.2	1214.4	1192.5	1174.8	1192.5	1214.4	1221.2	1249.8	1263.5	1288.0	1320.8
7.5°	1091.6	1086.1	1080.6	1069.7	1080.6	1086.1	1091.6	1099.8	1113.4	1135.2	1159.8
10°	1062.9	1064.3	1072.5	1071.1	1072.5	1064.3	1062.9	1060.2	1056.1	1060.2	1075.2
12.5°	1136.6	1148.9	1193.9	1191.2	1193.9	1148.9	1136.6	1082.0	1045.2	1038.4	1041.1
15°	1221.2	1225.3	1234.8	1236.2	1234.8	1225.3	1221.2	1199.4	1088.8	1041.1	1026.1
17.5°	1229.4	1230.7	1237.6	1237.6	1237.6	1230.7	1229.4	1219.8	1183.0	1118.9	1034.3
20°	1222.6	1225.3	1238.9	1241.7	1238.9	1225.3	1222.6	1210.3	1189.8	1166.6	1102.5
22.5°	1219.8	1225.3	1236.2	1234.8	1236.2	1225.3	1219.8	1200.7	1183.0	1166.6	1140.7
25°	1206.2	1206.2	1207.5	1208.9	1207.5	1206.2	1206.2	1191.2	1155.7	1151.6	1136.6
27.5°	1177.5	1180.3	1188.4	1187.1	1188.4	1180.3	1177.5	1172.1	1133.9	1129.8	1118.9
30°	1151.6	1148.9	1142.0	1136.6	1142.0	1148.9	1151.6	1143.4	1105.2	1094.3	1097.0
32.5°	1107.9	1101.1	1094.3	1090.2	1094.3	1101.1	1107.9	1105.2	1076.6	1061.5	1064.3
35°	1056.1	1057.5	1056.1	1052.0	1056.1	1057.5	1056.1	1058.8	1041.1	1027.4	1026.1
37.5°	1019.2	1022.0	1020.6	1015.2	1020.6	1022.0	1019.2	1016.5	992.0	987.9	990.6
40°	981.0	982.4	981.0	977.0	981.0	982.4	981.0	975.6	941.5	942.8	952.4
42.5°	944.2	942.8	938.7	936.0	938.7	942.8	944.2	936.0	892.4	888.3	906.0
45°	901.9	903.3	895.1	891.0	895.1	903.3	901.9	896.4	851.4	840.5	852.8
47.5°	859.6	859.6	852.8	848.7	852.8	859.6	859.6	852.8	805.0	794.1	800.9
50°	814.6	813.2	803.7	802.3	803.7	813.2	814.6	810.5	760.0	750.5	750.5
52.5°	762.7	762.7	764.1	766.8	764.1	762.7	762.7	764.1	719.1	709.5	706.8
55°	717.7	719.1	728.6	731.3	728.6	719.1	717.7	717.7	676.8	667.2	661.8
57.5°	671.3	671.3	678.1	678.1	678.1	671.3	671.3	668.6	629.0	620.8	618.1
60°	618.1	620.8	626.3	624.9	626.3	620.8	618.1	615.4	581.3	575.8	566.2
62.5°	562.2	564.9	566.2	563.5	566.2	564.9	562.2	554.0	533.5	529.4	517.1
65°	503.5	506.2	507.6	504.8	507.6	506.2	503.5	499.4	484.4	477.6	466.6
67.5°	443.4	442.1	440.7	446.2	440.7	442.1	443.4	438.0	428.4	423.0	408.0
70°	382.0	382.0	380.7	383.4	380.7	382.0	382.0	378.0	372.5	368.4	354.8
72.5°	316.6	315.2	320.6	316.6	320.6	315.2	316.6	315.2	312.5	308.4	294.7
75°	252.4	255.2	252.4	256.5	252.4	255.2	252.4	253.8	252.4	249.7	240.1
77.5°	192.4	195.1	192.4	192.4	192.4	195.1	192.4	193.8	193.8	193.8	185.6
80°	136.4	135.1	135.1	133.7	135.1	135.1	136.4	136.4	137.8	135.1	132.4
82.5°	87.3	86.0	86.0	88.7	86.0	86.0	87.3	88.7	86.0	86.0	86.0
85°	47.8	49.1	46.4	46.4	46.4	49.1	47.8	45.0	47.8	47.8	46.4
87.5°	17.7	16.4	16.4	16.4	16.4	16.4	17.7	19.1	19.1	19.1	20.5
90°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	14.2	19.0	21.4	18.4
92.5°	53.4	51.3	42.8	34.3	42.8	51.3	53.4	75.7	105.4	120.3	105.7
95°	181.4	174.9	149.2	123.4	149.2	174.9	181.4	238.2	314.0	351.8	297.2
97.5°	418.7	406.4	357.5	308.5	357.5	406.4	418.7	454.6	502.6	526.5	435.4
100°	588.1	573.5	515.1	456.7	515.1	573.5	588.1	585.4	581.9	580.2	479.0
102.5°	732.6	720.2	670.1	620.1	670.1	720.2	732.6	686.9	625.8	595.4	492.8
105°	901.4	894.6	867.8	840.9	867.8	894.6	901.4	798.8	662.0	593.6	494.3
107.5°	989.0	990.7	997.1	1003.7	997.1	990.7	989.0	846.0	655.2	559.9	472.3
110°	1011.6	1018.6	1046.5	1074.6	1046.5	1018.6	1011.6	851.7	638.4	531.8	452.8



TEST NUMBER: P934340

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	997.2	1008.0	1051.0	1093.9	1051.0	1008.0	997.2	833.6	615.4	506.2	435.8
115°	948.6	963.5	1023.1	1082.7	1023.1	963.5	948.6	790.9	580.7	475.6	416.2
117.5°	881.3	897.9	964.0	1030.2	964.0	897.9	881.3	739.1	549.3	454.5	404.1
120°	836.0	852.1	916.4	980.7	916.4	852.1	836.0	706.1	532.7	446.0	399.9
122.5°	790.8	806.7	870.1	933.4	870.1	806.7	790.8	673.8	517.6	439.5	397.7
125°	730.9	745.4	803.8	862.2	803.8	745.4	730.9	631.5	498.8	432.5	396.0
127.5°	682.8	695.1	744.4	793.7	744.4	695.1	682.8	597.4	483.6	426.6	395.0
130°	652.5	663.9	709.3	754.8	709.3	663.9	652.5	576.4	475.0	424.3	395.5
132.5°	626.6	636.7	677.5	718.2	677.5	636.7	626.6	558.5	467.8	422.4	396.0
135°	590.0	598.8	633.9	669.0	633.9	598.8	590.0	533.0	457.1	419.1	395.6
137.5°	563.0	570.2	599.0	627.7	599.0	570.2	563.0	514.8	450.5	418.4	398.0
140°	541.3	548.1	574.9	601.8	574.9	548.1	541.3	499.8	444.3	416.5	398.4
142.5°	526.1	532.0	555.1	578.2	555.1	532.0	526.1	489.6	440.9	416.5	399.9
145°	503.4	507.8	525.3	542.8	525.3	507.8	503.4	473.5	433.6	413.7	399.9
147.5°	484.3	487.9	502.4	516.9	502.4	487.9	484.3	460.7	429.3	413.7	402.6
150°	473.3	476.2	488.0	499.8	488.0	476.2	473.3	453.5	427.0	413.7	404.1
152.5°	464.6	466.7	475.6	484.6	475.6	466.7	464.6	447.6	425.0	413.7	405.0
155°	454.2	455.6	461.5	467.4	461.5	455.6	454.2	440.7	422.7	413.7	407.1
157.5°	445.2	446.2	450.4	454.5	450.4	446.2	445.2	434.7	420.7	413.7	409.2
160°	440.7	441.3	443.6	446.0	443.6	441.3	440.7	431.7	419.7	413.7	410.1
162.5°	436.4	437.0	439.3	441.5	439.3	437.0	436.4	428.9	418.8	413.7	411.1
165°	430.0	430.6	433.0	435.4	433.0	430.6	430.0	424.5	417.3	413.7	412.5
167.5°	427.2	427.4	428.4	429.4	428.4	427.4	427.2	423.6	418.9	416.5	415.5
170°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	423.6	418.9	416.5	416.4
172.5°	424.9	424.7	423.8	423.0	423.8	424.7	424.9	422.1	418.3	416.5	416.5
175°	421.8	421.8	421.8	421.8	421.8	421.8	421.8	420.1	417.7	416.5	417.1
177.5°	421.3	421.0	420.1	419.1	420.1	421.0	421.3	419.9	418.0	417.1	417.5
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P934340

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1424.5	1431.3	1435.4	1440.9	1454.5
5°	1369.9	1395.8	1404.0	1424.5	1449.1
7.5°	1249.8	1329.0	1350.8	1399.9	1438.1
10°	1133.9	1213.0	1251.2	1367.2	1424.5
12.5°	1075.2	1121.6	1147.5	1309.9	1405.4
15°	1038.4	1071.1	1090.2	1233.5	1383.6
17.5°	1009.7	1032.9	1046.5	1158.4	1353.5
20°	992.0	1002.9	1015.2	1103.8	1319.4
22.5°	979.7	972.9	982.4	1065.6	1273.0
25°	971.5	945.6	956.5	1035.6	1218.5
27.5°	978.3	921.0	925.1	1008.3	1161.2
30°	979.7	891.0	892.4	979.7	1097.0
32.5°	970.1	859.6	861.0	944.2	1024.7
35°	946.9	822.8	821.4	903.3	926.5
37.5°	915.5	783.2	783.2	858.2	818.7
40°	877.3	743.6	747.7	799.6	723.2
42.5°	831.0	701.3	706.8	721.8	652.2
45°	780.5	660.4	664.5	609.9	597.6
47.5°	724.5	618.1	619.5	506.2	579.9
50°	657.7	574.4	569.0	433.9	578.5
52.5°	599.0	526.7	510.3	393.0	525.3
55°	541.7	476.2	440.7	361.6	487.1
57.5°	491.2	410.7	376.6	324.7	478.9
60°	444.8	346.6	320.6	285.2	439.4
62.5°	406.6	298.8	293.4	257.9	398.4
65°	365.7	266.1	264.7	234.7	338.4
67.5°	326.1	244.2	242.9	212.9	257.9
70°	283.8	221.0	218.3	189.7	191.0
72.5°	240.1	195.1	192.4	170.6	158.3
75°	196.5	165.1	163.7	148.7	128.3
77.5°	154.2	131.0	133.7	120.1	94.1
80°	110.5	95.5	98.2	86.0	71.0
82.5°	73.7	62.8	65.5	54.6	47.8
85°	40.9	35.5	36.8	28.7	21.8
87.5°	19.1	16.4	16.4	10.9	6.8
90°	12.4	7.9	7.4	5.1	2.8
92.5°	76.3	54.3	49.5	30.4	11.3
95°	187.7	105.7	97.0	61.9	27.0
97.5°	253.0	116.2	108.4	77.6	46.7
100°	276.6	124.9	117.9	89.9	61.9
102.5°	287.5	133.6	127.1	101.0	74.8
105°	295.5	146.5	141.0	118.9	96.8
107.5°	297.1	165.6	160.5	139.9	119.3
110°	294.8	176.3	171.6	153.0	134.4



TEST NUMBER: P934340

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	294.9	189.3	184.8	167.1	149.4
115°	297.6	208.7	204.6	188.2	171.8
117.5°	303.2	227.5	223.8	208.9	194.0
120°	307.6	238.5	235.0	221.0	206.9
122.5°	314.1	251.4	247.9	233.8	219.7
125°	322.8	268.0	264.8	251.9	239.1
127.5°	331.6	284.1	280.8	267.8	254.8
130°	337.9	294.7	291.3	277.3	263.2
132.5°	343.1	303.5	300.0	286.0	272.0
135°	348.8	313.6	310.4	297.6	284.9
137.5°	357.1	326.5	323.3	310.7	298.1
140°	362.3	335.2	332.3	320.7	309.1
142.5°	366.6	341.7	338.9	328.2	317.5
145°	372.3	351.6	349.2	339.8	330.5
147.5°	380.5	363.9	361.7	352.5	343.4
150°	384.9	370.4	368.3	360.1	351.8
152.5°	387.6	374.6	373.0	366.8	360.5
155°	393.8	383.9	382.7	378.1	373.5
157.5°	400.0	393.1	392.1	387.5	383.0
160°	402.8	397.3	396.4	393.0	389.5
162.5°	405.8	401.9	401.2	398.6	396.0
165°	410.2	408.3	407.7	405.3	403.0
167.5°	413.5	412.0	411.7	410.5	409.4
170°	416.3	416.2	416.0	414.8	413.7
172.5°	416.5	416.5	416.4	416.2	416.0
175°	418.3	419.1	419.1	419.1	419.1
177.5°	418.4	419.1	419.1	419.1	419.1
180°	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P934340

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-6-4000K

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	13.11	14.05	13.99	14.95	16.11	15.93	16.87	16.82	17.78	18.93
	3H	13.59	14.43	14.49	15.35	16.53	17.28	18.12	18.18	19.04	20.22
	4H	13.79	14.58	14.70	15.50	16.69	17.73	18.52	18.64	19.44	20.63
	6H	13.91	14.64	14.83	15.57	16.77	18.02	18.75	18.94	19.68	20.88
	8H	13.91	14.61	14.85	15.55	16.75	18.09	18.79	19.03	19.73	20.93
	12H	13.89	14.55	14.82	15.49	16.71	18.13	18.80	19.07	19.74	20.96
4H	2H	14.15	14.94	15.07	15.86	17.05	16.35	17.15	17.27	18.07	19.26
	3H	15.18	15.84	16.11	16.80	18.00	17.86	18.52	18.79	19.48	20.68
	4H	15.46	16.07	16.40	17.01	18.24	18.39	19.00	19.33	19.94	21.17
	6H	15.59	16.11	16.55	17.08	18.31	18.76	19.28	19.71	20.25	21.48
	8H	15.60	16.09	16.56	17.05	18.29	18.87	19.35	19.82	20.32	21.56
	12H	15.57	16.01	16.55	16.99	18.24	18.93	19.37	19.90	20.35	21.60
8H	4H	15.92	16.41	16.88	17.37	18.61	18.52	19.01	19.48	19.97	21.22
	6H	16.19	16.59	17.17	17.59	18.84	18.96	19.36	19.94	20.37	21.61
	8H	16.23	16.58	17.22	17.58	18.84	19.11	19.47	20.10	20.46	21.72
	12H	16.22	16.53	17.21	17.52	18.82	19.21	19.53	20.21	20.52	21.82
12H	4H	15.93	16.37	16.91	17.35	18.60	18.49	18.93	19.47	19.91	21.16
	6H	16.25	16.60	17.24	17.60	18.86	18.96	19.32	19.95	20.31	21.57
	8H	16.32	16.63	17.31	17.62	18.92	19.12	19.44	20.12	20.43	21.73