

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: P935164

Luminaire Tested: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935164
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-93050-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

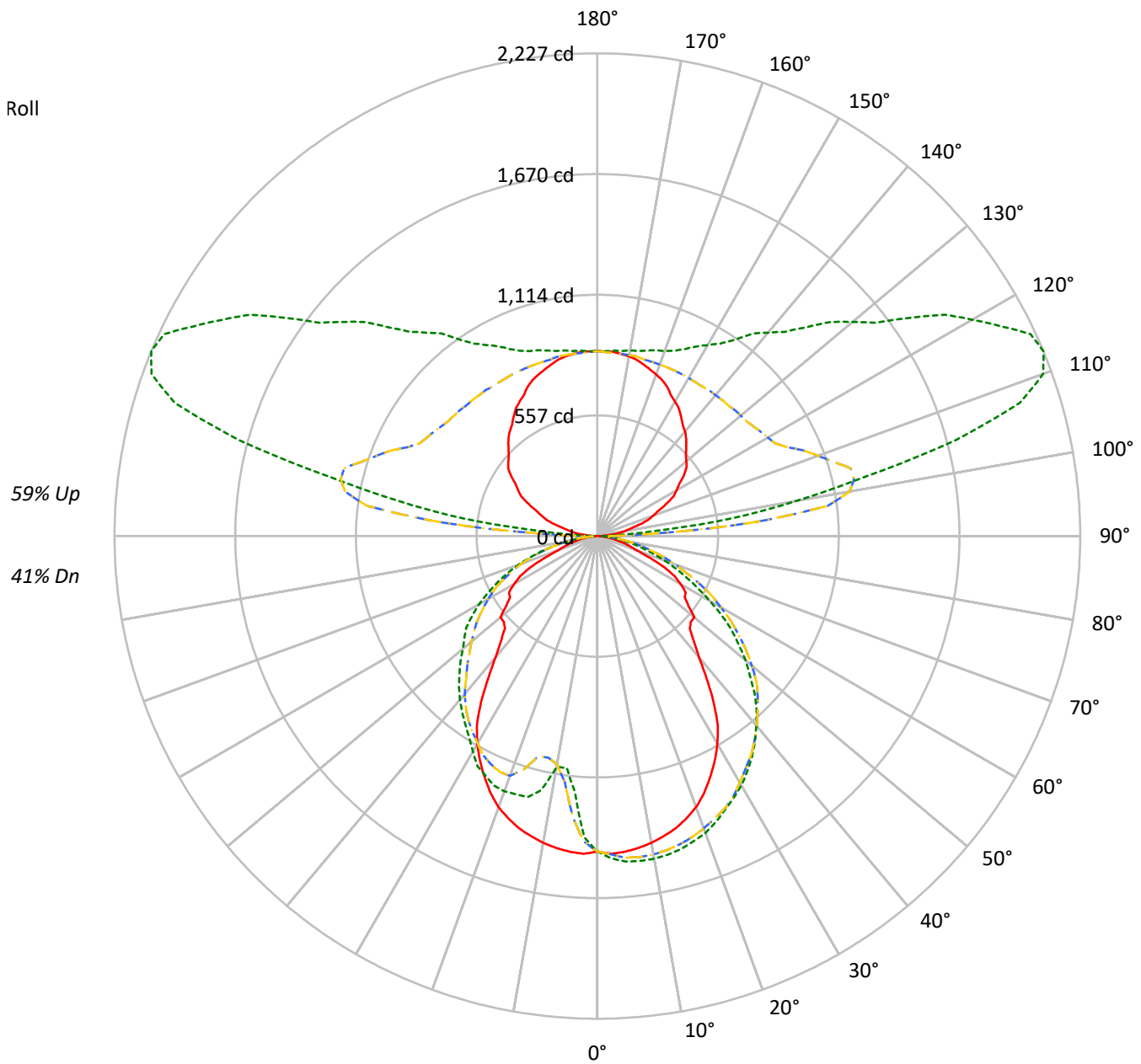
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9306.3 lumens
Efficiency: N/A
Efficacy: 126.1 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

TEST NUMBER: P935164
CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-5000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9001	9001	9001	9001
5°	9065	9086	9065	7144
10°	9001	8950	9001	6399
15°	8899	8756	8899	7311
20°	8710	8527	8710	7327
25°	8326	8192	8326	7171
30°	7830	7914	7830	6831
35°	6977	7561	6977	6456
40°	5811	7148	5811	6173
45°	5188	6662	5188	5848
50°	5508	6084	5508	5521
55°	5177	5461	5177	5332
60°	5330	4638	5330	4884
65°	4825	3834	4825	4286
70°	3333	3056	3333	3593
75°	2912	2259	2912	2705
80°	2330	1493	2330	1626
85°	1312	791	1312	672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7957 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	1.4
10°-20°	372.9	4.0
20°-30°	576.5	6.2
30°-40°	688.2	7.4
40°-50°	692.2	7.4
50°-60°	602.3	6.5
60°-70°	427.0	4.6
70°-80°	225.9	2.4
80°-90°	59.5	0.6
90°-100°	415.8	4.5
100°-110°	1093.3	11.7
110°-120°	1133.6	12.2
120°-130°	909.3	9.8
130°-140°	713.5	7.7
140°-150°	547.6	5.9
150°-160°	394.4	4.2
160°-170°	241.3	2.6
170°-180°	81.5	0.9
0°-30°	1080.7	11.6
0°-40°	1768.9	19.0
0°-60°	3063.3	32.9
0°-90°	3775.8	40.6
90°-120°	2642.8	28.4
90°-150°	4813.2	51.7
90°-180°	5530.0	59.4
0°-180°	9306.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1455	1455	1455	1455	1455	
5°	1462	1507	1462	1185	1462	139
15°	1396	1494	1396	1247	1396	393
25°	1229	1393	1229	1220	1229	564
35°	935	1243	935	1061	935	578
45°	603	1024	603	899	603	483
55°	491	756	491	738	491	452
65°	341	456	341	509	341	326
75°	129	216	129	259	129	136
85°	22	55	22	47	22	30
90°	6	22	6	22	6	6
95°	55	251	55	251	55	61
105°	197	1712	197	1712	197	209
115°	350	2204	350	2204	350	346
125°	487	1756	487	1756	487	432
135°	580	1362	580	1362	580	449
145°	673	1105	673	1105	673	421
155°	760	952	760	952	760	349
165°	820	886	820	886	820	232
175°	853	859	853	859	853	81
180°	853	853	853	853	853	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1467.4	1467.4	1475.7	1478.4	1478.4	1474.3	1470.1	1474.3	1486.7	1490.8	1489.4
5°	1461.9	1472.9	1488.0	1490.8	1493.5	1492.2	1489.4	1492.2	1505.9	1508.7	1510.1
7.5°	1450.9	1471.5	1490.8	1494.9	1499.1	1494.9	1493.5	1496.3	1510.1	1512.8	1512.8
10°	1437.1	1466.0	1488.0	1490.8	1494.9	1490.8	1490.8	1496.3	1510.1	1512.8	1514.2
12.5°	1417.8	1457.8	1478.4	1481.2	1486.7	1485.3	1483.9	1489.4	1503.2	1505.9	1505.9
15°	1395.8	1442.6	1461.9	1464.6	1474.3	1471.5	1471.5	1477.0	1492.2	1496.3	1494.9
17.5°	1365.5	1423.3	1445.4	1449.5	1456.4	1455.0	1456.4	1461.9	1475.7	1478.4	1479.8
20°	1331.1	1397.2	1423.3	1427.5	1434.4	1434.4	1434.4	1441.2	1455.0	1460.5	1460.5
22.5°	1284.3	1369.7	1397.2	1399.9	1408.2	1408.2	1411.0	1420.6	1433.0	1434.4	1434.4
25°	1229.3	1339.4	1362.8	1371.0	1379.3	1383.4	1387.6	1393.1	1397.2	1395.8	1397.2
27.5°	1171.4	1300.8	1331.1	1336.6	1347.6	1351.8	1357.3	1358.6	1360.0	1364.2	1361.4
30°	1106.7	1247.1	1292.6	1298.1	1316.0	1318.7	1313.2	1316.0	1322.9	1325.6	1328.4
32.5°	1033.8	1167.3	1252.7	1265.0	1281.6	1273.3	1271.9	1276.1	1287.1	1287.1	1289.8
35°	934.7	1105.4	1215.5	1226.5	1238.9	1229.3	1234.8	1236.1	1243.0	1247.1	1245.8
37.5°	825.9	1051.7	1176.9	1185.2	1194.8	1182.5	1190.7	1194.8	1200.3	1197.6	1197.6
40°	729.6	967.7	1131.5	1137.0	1145.3	1135.6	1143.9	1146.7	1149.4	1146.7	1145.3
42.5°	658.0	875.5	1083.3	1090.2	1084.7	1091.6	1094.4	1099.9	1095.7	1090.2	1090.2
45°	602.9	850.7	1031.0	1039.3	1031.0	1042.0	1046.2	1046.2	1033.8	1031.0	1029.7
47.5°	585.0	801.1	978.7	978.7	974.6	988.4	995.2	985.6	973.2	969.1	969.1
50°	583.7	746.1	907.1	901.6	920.9	937.4	930.5	920.9	911.3	896.1	896.1
52.5°	530.0	678.6	814.9	835.6	865.8	875.5	864.5	854.8	838.3	831.4	825.9
55°	491.4	608.4	730.9	772.2	803.9	816.3	795.6	786.0	761.2	757.1	754.3
57.5°	483.2	506.6	653.9	706.2	744.7	743.3	730.9	713.0	692.4	688.3	686.9
60°	443.2	366.2	571.3	633.2	673.1	669.0	658.0	641.5	622.2	619.4	616.7
62.5°	402.0	265.7	477.7	547.9	604.3	602.9	593.3	568.5	554.7	547.9	542.4
65°	341.4	223.0	340.0	455.6	536.9	539.6	519.0	501.1	485.9	477.7	476.3
67.5°	260.2	181.7	229.9	379.9	472.2	469.4	443.2	435.0	415.7	411.6	403.3
70°	192.7	121.1	159.7	308.3	408.8	402.0	381.3	371.7	353.8	344.1	338.6
72.5°	159.7	97.7	117.0	239.5	344.1	335.9	318.0	307.0	291.8	283.6	278.1
75°	129.4	103.2	89.5	177.6	279.4	273.9	257.4	246.4	234.0	223.0	224.4
77.5°	95.0	96.4	71.6	130.8	221.6	213.4	203.7	190.0	184.5	173.4	173.4
80°	71.6	75.7	53.7	89.5	159.7	159.7	151.4	141.8	132.1	126.6	126.6
82.5°	48.2	48.2	39.9	56.4	108.7	104.6	99.1	96.4	90.9	88.1	88.1
85°	22.0	27.5	24.8	34.4	59.2	61.9	61.9	59.2	57.8	55.1	56.4
87.5°	6.9	12.4	15.1	19.3	30.3	31.7	33.0	33.0	33.0	34.4	34.4
90°	5.7	10.3	14.9	16.1	25.2	37.4	43.5	38.6	29.0	21.7	21.7
92.5°	22.9	61.9	100.8	110.5	155.4	215.1	245.0	214.7	154.2	108.7	104.4
95°	55.0	126.2	197.5	215.3	382.3	604.9	716.3	639.2	484.9	369.3	356.2
97.5°	95.1	157.9	220.8	236.5	514.9	886.2	1071.9	1023.1	925.7	852.5	827.6
100°	126.0	183.0	240.0	254.2	563.2	975.1	1181.2	1184.7	1191.9	1197.2	1167.5
102.5°	152.3	205.6	258.7	272.0	585.4	1003.2	1212.1	1274.2	1398.4	1491.5	1466.1
105°	196.9	242.0	287.1	298.3	601.8	1006.4	1208.7	1347.9	1626.2	1835.0	1821.3
107.5°	242.7	284.8	326.8	337.3	604.9	961.6	1140.0	1334.1	1722.4	2013.7	2017.0
110°	273.7	311.6	349.6	359.0	600.3	921.9	1082.7	1299.7	1733.9	2059.5	2073.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	304.0	340.2	376.3	385.3	600.4	887.2	1030.6	1252.7	1697.1	2030.3	2052.1
115°	349.8	383.1	416.4	424.8	606.0	847.4	968.2	1182.2	1610.3	1931.3	1961.7
117.5°	395.1	425.4	455.6	463.2	617.1	822.5	925.2	1118.4	1504.7	1794.4	1828.0
120°	421.4	449.9	478.4	485.6	626.4	814.2	908.1	1084.5	1437.5	1702.2	1734.9
122.5°	447.2	475.9	504.7	511.9	639.5	809.8	894.9	1053.9	1371.7	1610.0	1642.3
125°	486.7	512.9	539.1	545.7	657.3	806.2	880.6	1015.6	1285.6	1488.1	1517.9
127.5°	518.8	545.2	571.7	578.3	675.1	804.1	868.6	984.5	1216.3	1390.2	1415.3
130°	535.9	564.5	592.9	600.1	688.1	805.4	864.0	967.2	1173.5	1328.4	1351.5
132.5°	553.6	582.2	610.6	617.8	698.5	806.2	860.0	952.4	1137.1	1275.7	1296.4
135°	580.0	606.0	631.9	638.4	710.0	805.4	853.1	930.5	1085.2	1201.3	1219.2
137.5°	606.9	632.6	658.4	664.8	727.2	810.4	852.0	917.4	1048.2	1146.3	1160.9
140°	629.3	652.9	676.6	682.5	737.6	811.2	848.0	904.5	1017.4	1102.2	1115.8
142.5°	646.4	668.4	690.2	695.7	746.5	814.1	848.0	897.6	996.8	1071.2	1083.0
145°	672.8	691.9	710.9	715.7	757.9	814.2	842.3	882.8	964.0	1024.9	1033.8
147.5°	699.1	717.6	736.2	740.9	774.6	819.7	842.3	874.2	938.1	986.0	993.3
150°	716.3	733.1	749.8	754.1	783.4	822.6	842.3	869.2	923.1	963.6	969.5
152.5°	734.1	746.8	759.5	762.7	789.2	824.5	842.3	865.3	911.4	945.9	950.4
155°	760.4	769.8	779.1	781.5	801.8	828.8	842.3	860.6	897.2	924.7	927.7
157.5°	779.9	789.0	798.1	800.4	814.4	833.0	842.3	856.5	885.0	906.4	908.5
160°	793.0	800.1	807.3	809.0	820.1	834.9	842.3	854.5	878.9	897.2	898.4
162.5°	806.2	811.5	816.8	818.2	826.2	836.9	842.3	852.5	873.2	888.6	889.7
165°	820.5	825.3	830.1	831.3	835.0	839.9	842.3	849.6	864.4	875.5	876.7
167.5°	833.6	835.9	838.2	838.8	841.8	845.9	848.0	852.8	862.4	869.7	870.3
170°	842.3	844.6	846.8	847.4	847.6	847.9	848.0	852.8	862.4	869.7	869.7
172.5°	846.8	847.3	847.9	848.0	848.0	848.0	848.0	851.8	859.4	865.1	864.7
175°	853.1	853.1	853.1	853.1	851.3	849.1	848.0	850.3	855.2	858.9	858.9
177.5°	853.1	853.1	853.1	853.1	851.8	850.1	849.1	851.1	854.8	857.7	857.1
180°	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1492.2	1488.0	1492.2	1489.4	1490.8	1486.7	1474.3	1470.1	1474.3	1478.4	1478.4
5°	1510.1	1507.3	1510.1	1510.1	1508.7	1505.9	1492.2	1489.4	1492.2	1493.5	1490.8
7.5°	1515.6	1511.4	1515.6	1512.8	1512.8	1510.1	1496.3	1493.5	1494.9	1499.1	1494.9
10°	1515.6	1511.4	1515.6	1514.2	1512.8	1510.1	1496.3	1490.8	1490.8	1494.9	1490.8
12.5°	1508.7	1505.9	1508.7	1505.9	1505.9	1503.2	1489.4	1483.9	1485.3	1486.7	1481.2
15°	1497.7	1493.5	1497.7	1494.9	1496.3	1492.2	1477.0	1471.5	1471.5	1474.3	1464.6
17.5°	1481.2	1475.7	1481.2	1479.8	1478.4	1475.7	1461.9	1456.4	1455.0	1456.4	1449.5
20°	1461.9	1457.8	1461.9	1460.5	1460.5	1455.0	1441.2	1434.4	1434.4	1434.4	1427.5
22.5°	1431.6	1427.5	1431.6	1434.4	1434.4	1433.0	1420.6	1411.0	1408.2	1408.2	1399.9
25°	1397.2	1393.1	1397.2	1397.2	1395.8	1397.2	1393.1	1387.6	1383.4	1379.3	1371.0
27.5°	1364.2	1361.4	1364.2	1361.4	1364.2	1360.0	1358.6	1357.3	1351.8	1347.6	1336.6
30°	1331.1	1328.4	1331.1	1328.4	1325.6	1322.9	1316.0	1313.2	1318.7	1316.0	1298.1
32.5°	1289.8	1287.1	1289.8	1289.8	1287.1	1287.1	1276.1	1271.9	1273.3	1281.6	1265.0
35°	1247.1	1243.0	1247.1	1245.8	1247.1	1243.0	1236.1	1234.8	1229.3	1238.9	1226.5
37.5°	1197.6	1193.5	1197.6	1197.6	1197.6	1200.3	1194.8	1190.7	1182.5	1194.8	1185.2
40°	1146.7	1141.2	1146.7	1145.3	1146.7	1149.4	1146.7	1143.9	1135.6	1145.3	1137.0
42.5°	1088.8	1087.5	1088.8	1090.2	1090.2	1095.7	1099.9	1094.4	1091.6	1084.7	1090.2
45°	1026.9	1024.1	1026.9	1029.7	1031.0	1033.8	1046.2	1046.2	1042.0	1031.0	1039.3
47.5°	960.8	953.9	960.8	969.1	969.1	973.2	985.6	995.2	988.4	974.6	978.7
50°	890.6	892.0	890.6	896.1	896.1	911.3	920.9	930.5	937.4	920.9	901.6
52.5°	821.8	820.4	821.8	825.9	831.4	838.3	854.8	864.5	875.5	865.8	835.6
55°	753.0	755.7	753.0	754.3	757.1	761.2	786.0	795.6	816.3	803.9	772.2
57.5°	684.1	680.0	684.1	686.9	688.3	692.4	713.0	730.9	743.3	744.7	706.2
60°	604.3	598.8	604.3	616.7	619.4	622.2	641.5	658.0	669.0	673.1	633.2
62.5°	534.1	524.5	534.1	542.4	547.9	554.7	568.5	593.3	602.9	604.3	547.9
65°	459.8	455.6	459.8	476.3	477.7	485.9	501.1	519.0	539.6	536.9	455.6
67.5°	392.3	392.3	392.3	403.3	411.6	415.7	435.0	443.2	469.4	472.2	379.9
70°	330.4	329.0	330.4	338.6	344.1	353.8	371.7	381.3	402.0	408.8	308.3
72.5°	271.2	269.8	271.2	278.1	283.6	291.8	307.0	318.0	335.9	344.1	239.5
75°	218.9	216.1	218.9	224.4	223.0	234.0	246.4	257.4	273.9	279.4	177.6
77.5°	167.9	167.9	167.9	173.4	173.4	184.5	190.0	203.7	213.4	221.6	130.8
80°	125.3	123.9	125.3	126.6	126.6	132.1	141.8	151.4	159.7	159.7	89.5
82.5°	88.1	85.3	88.1	88.1	88.1	90.9	96.4	99.1	104.6	108.7	56.4
85°	55.1	55.1	55.1	56.4	55.1	57.8	59.2	61.9	61.9	59.2	34.4
87.5°	35.8	34.4	35.8	34.4	34.4	33.0	33.0	33.0	31.7	30.3	19.3
90°	21.7	21.7	21.7	21.7	21.7	29.0	38.6	43.5	37.4	25.2	16.1
92.5°	87.1	69.8	87.1	104.4	108.7	154.2	214.7	245.0	215.1	155.4	110.5
95°	303.8	251.4	303.8	356.2	369.3	484.9	639.2	716.3	604.9	382.3	215.3
97.5°	727.8	628.1	727.8	827.6	852.5	925.7	1023.1	1071.9	886.2	514.9	236.5
100°	1048.7	929.8	1048.7	1167.5	1197.2	1191.9	1184.7	1181.2	975.1	563.2	254.2
102.5°	1364.2	1262.5	1364.2	1466.1	1491.5	1398.4	1274.2	1212.1	1003.2	585.4	272.0
105°	1766.7	1712.0	1766.7	1821.3	1835.0	1626.2	1347.9	1208.7	1006.4	601.8	298.3
107.5°	2030.3	2043.5	2030.3	2017.0	2013.7	1722.4	1334.1	1140.0	961.6	604.9	337.3
110°	2130.8	2187.8	2130.8	2073.7	2059.5	1733.9	1299.7	1082.7	921.9	600.3	359.0



TEST NUMBER: P935164

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2139.7	2227.2	2139.7	2052.1	2030.3	1697.1	1252.7	1030.6	887.2	600.4	385.3
115°	2083.0	2204.4	2083.0	1961.7	1931.3	1610.3	1182.2	968.2	847.4	606.0	424.8
117.5°	1962.7	2097.3	1962.7	1828.0	1794.4	1504.7	1118.4	925.2	822.5	617.1	463.2
120°	1865.8	1996.5	1865.8	1734.9	1702.2	1437.5	1084.5	908.1	814.2	626.4	485.6
122.5°	1771.3	1900.4	1771.3	1642.3	1610.0	1371.7	1053.9	894.9	809.8	639.5	511.9
125°	1636.6	1755.5	1636.6	1517.9	1488.1	1285.6	1015.6	880.6	806.2	657.3	545.7
127.5°	1515.6	1615.8	1515.6	1415.3	1390.2	1216.3	984.5	868.6	804.1	675.1	578.3
130°	1444.2	1536.8	1444.2	1351.5	1328.4	1173.5	967.2	864.0	805.4	688.1	600.1
132.5°	1379.4	1462.3	1379.4	1296.4	1275.7	1137.1	952.4	860.0	806.2	698.5	617.8
135°	1290.6	1362.1	1290.6	1219.2	1201.3	1085.2	930.5	853.1	805.4	710.0	638.4
137.5°	1219.4	1278.0	1219.4	1160.9	1146.3	1048.2	917.4	852.0	810.4	727.2	664.8
140°	1170.6	1225.3	1170.6	1115.8	1102.2	1017.4	904.5	848.0	811.2	737.6	682.5
142.5°	1130.1	1177.2	1130.1	1083.0	1071.2	996.8	897.6	848.0	814.1	746.5	695.7
145°	1069.5	1105.1	1069.5	1033.8	1024.9	964.0	882.8	842.3	814.2	757.9	715.7
147.5°	1022.9	1052.4	1022.9	993.3	986.0	938.1	874.2	842.3	819.7	774.6	740.9
150°	993.5	1017.4	993.5	969.5	963.6	923.1	869.2	842.3	822.6	783.4	754.1
152.5°	968.4	986.5	968.4	950.4	945.9	911.4	865.3	842.3	824.5	789.2	762.7
155°	939.6	951.6	939.6	927.7	924.7	897.2	860.6	842.3	828.8	801.8	781.5
157.5°	916.9	925.2	916.9	908.5	906.4	885.0	856.5	842.3	833.0	814.4	800.4
160°	903.3	908.1	903.3	898.4	897.2	878.9	854.5	842.3	834.9	820.1	809.0
162.5°	894.3	898.9	894.3	889.7	888.6	873.2	852.5	842.3	836.9	826.2	818.2
165°	881.5	886.3	881.5	876.7	875.5	864.4	849.6	842.3	839.9	835.0	831.3
167.5°	872.3	874.3	872.3	870.3	869.7	862.4	852.8	848.0	845.9	841.8	838.8
170°	869.7	869.7	869.7	869.7	869.7	862.4	852.8	848.0	847.9	847.6	847.4
172.5°	862.9	861.2	862.9	864.7	865.1	859.4	851.8	848.0	848.0	848.0	848.0
175°	858.9	858.9	858.9	858.9	858.9	855.2	850.3	848.0	849.1	851.3	853.1
177.5°	855.1	853.1	855.1	857.1	857.7	854.8	851.1	849.1	850.1	851.8	853.1
180°	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1



TEST NUMBER: P935164

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1475.7	1467.4	1467.4	1453.6	1448.1	1444.0	1437.1	1416.5	1411.0	1405.4	1413.7
5°	1488.0	1472.9	1461.9	1437.1	1416.5	1408.2	1382.0	1332.5	1299.5	1274.7	1260.9
7.5°	1490.8	1471.5	1450.9	1412.3	1362.8	1340.8	1260.9	1170.1	1145.3	1123.3	1109.5
10°	1488.0	1466.0	1437.1	1379.3	1262.3	1223.7	1143.9	1084.7	1069.6	1065.4	1069.6
12.5°	1478.4	1457.8	1417.8	1321.5	1157.7	1131.5	1084.7	1050.3	1047.5	1054.4	1091.6
15°	1461.9	1442.6	1395.8	1244.4	1099.9	1080.6	1047.5	1035.2	1050.3	1098.5	1210.0
17.5°	1445.4	1423.3	1365.5	1168.7	1055.8	1042.0	1018.6	1043.4	1128.8	1193.5	1230.6
20°	1423.3	1397.2	1331.1	1113.6	1024.1	1011.8	1000.7	1112.2	1176.9	1200.3	1221.0
22.5°	1397.2	1369.7	1284.3	1075.1	991.1	981.5	988.4	1150.8	1176.9	1193.5	1211.4
25°	1362.8	1339.4	1229.3	1044.8	965.0	953.9	980.1	1146.7	1161.8	1165.9	1201.7
27.5°	1331.1	1300.8	1171.4	1017.3	933.3	929.2	987.0	1128.8	1139.8	1143.9	1182.5
30°	1292.6	1247.1	1106.7	988.4	900.3	898.9	988.4	1106.7	1104.0	1115.0	1153.5
32.5°	1252.7	1167.3	1033.8	952.6	868.6	867.2	978.7	1073.7	1071.0	1086.1	1115.0
35°	1215.5	1105.4	934.7	911.3	828.7	830.1	955.3	1035.2	1036.5	1050.3	1068.2
37.5°	1176.9	1051.7	825.9	865.8	790.1	790.1	923.7	999.4	996.6	1000.7	1025.5
40°	1131.5	967.7	729.6	806.7	754.3	750.2	885.1	960.8	951.2	949.8	984.2
42.5°	1083.3	875.5	658.0	728.2	713.0	707.5	838.3	914.0	896.1	900.3	944.3
45°	1031.0	850.7	602.9	615.3	670.4	666.2	787.4	860.3	848.0	859.0	904.4
47.5°	978.7	801.1	585.0	510.7	625.0	623.6	730.9	808.0	801.1	812.2	860.3
50°	907.1	746.1	583.7	437.7	574.0	579.5	663.5	757.1	757.1	766.7	817.7
52.5°	814.9	678.6	530.0	396.4	514.8	531.3	604.3	713.0	715.8	725.4	770.9
55°	730.9	608.4	491.4	364.8	444.6	480.4	546.5	667.6	673.1	682.8	724.1
57.5°	653.9	506.6	483.2	327.6	379.9	414.3	495.6	623.6	626.3	634.6	674.5
60°	571.3	366.2	443.2	287.7	323.5	349.6	448.8	571.3	580.9	586.4	620.8
62.5°	477.7	265.7	402.0	260.2	296.0	301.5	410.2	521.7	534.1	538.2	558.9
65°	340.0	223.0	341.4	236.8	267.0	268.4	368.9	470.8	481.8	488.7	503.8
67.5°	229.9	181.7	260.2	214.7	245.0	246.4	329.0	411.6	426.7	432.2	441.9
70°	159.7	121.1	192.7	191.3	220.2	223.0	286.3	357.9	371.7	375.8	381.3
72.5°	117.0	97.7	159.7	172.1	194.1	196.8	242.3	297.3	311.1	315.2	318.0
75°	89.5	103.2	129.4	150.0	165.2	166.6	198.2	242.3	251.9	254.7	256.0
77.5°	71.6	96.4	95.0	121.1	134.9	132.1	155.5	187.2	195.5	195.5	195.5
80°	53.7	75.7	71.6	86.7	99.1	96.4	111.5	133.5	136.3	139.0	137.7
82.5°	39.9	48.2	48.2	55.1	66.1	63.3	74.3	86.7	86.7	86.7	89.5
85°	24.8	27.5	22.0	28.9	37.2	35.8	41.3	46.8	48.2	48.2	45.4
87.5°	15.1	12.4	6.9	11.0	16.5	16.5	19.3	20.6	19.3	19.3	19.3
90°	14.9	10.3	5.7	10.3	14.9	16.1	25.2	37.4	43.5	38.6	29.0
92.5°	100.8	61.9	22.9	61.9	100.8	110.5	155.4	215.1	245.0	214.7	154.2
95°	197.5	126.2	55.0	126.2	197.5	215.3	382.3	604.9	716.3	639.2	484.9
97.5°	220.8	157.9	95.1	157.9	220.8	236.5	514.9	886.2	1071.9	1023.1	925.7
100°	240.0	183.0	126.0	183.0	240.0	254.2	563.2	975.1	1181.2	1184.7	1191.9
102.5°	258.7	205.6	152.3	205.6	258.7	272.0	585.4	1003.2	1212.1	1274.2	1398.4
105°	287.1	242.0	196.9	242.0	287.1	298.3	601.8	1006.4	1208.7	1347.9	1626.2
107.5°	326.8	284.8	242.7	284.8	326.8	337.3	604.9	961.6	1140.0	1334.1	1722.4
110°	349.6	311.6	273.7	311.6	349.6	359.0	600.3	921.9	1082.7	1299.7	1733.9



TEST NUMBER: P935164

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	376.3	340.2	304.0	340.2	376.3	385.3	600.4	887.2	1030.6	1252.7	1697.1
115°	416.4	383.1	349.8	383.1	416.4	424.8	606.0	847.4	968.2	1182.2	1610.3
117.5°	455.6	425.4	395.1	425.4	455.6	463.2	617.1	822.5	925.2	1118.4	1504.7
120°	478.4	449.9	421.4	449.9	478.4	485.6	626.4	814.2	908.1	1084.5	1437.5
122.5°	504.7	475.9	447.2	475.9	504.7	511.9	639.5	809.8	894.9	1053.9	1371.7
125°	539.1	512.9	486.7	512.9	539.1	545.7	657.3	806.2	880.6	1015.6	1285.6
127.5°	571.7	545.2	518.8	545.2	571.7	578.3	675.1	804.1	868.6	984.5	1216.3
130°	592.9	564.5	535.9	564.5	592.9	600.1	688.1	805.4	864.0	967.2	1173.5
132.5°	610.6	582.2	553.6	582.2	610.6	617.8	698.5	806.2	860.0	952.4	1137.1
135°	631.9	606.0	580.0	606.0	631.9	638.4	710.0	805.4	853.1	930.5	1085.2
137.5°	658.4	632.6	606.9	632.6	658.4	664.8	727.2	810.4	852.0	917.4	1048.2
140°	676.6	652.9	629.3	652.9	676.6	682.5	737.6	811.2	848.0	904.5	1017.4
142.5°	690.2	668.4	646.4	668.4	690.2	695.7	746.5	814.1	848.0	897.6	996.8
145°	710.9	691.9	672.8	691.9	710.9	715.7	757.9	814.2	842.3	882.8	964.0
147.5°	736.2	717.6	699.1	717.6	736.2	740.9	774.6	819.7	842.3	874.2	938.1
150°	749.8	733.1	716.3	733.1	749.8	754.1	783.4	822.6	842.3	869.2	923.1
152.5°	759.5	746.8	734.1	746.8	759.5	762.7	789.2	824.5	842.3	865.3	911.4
155°	779.1	769.8	760.4	769.8	779.1	781.5	801.8	828.8	842.3	860.6	897.2
157.5°	798.1	789.0	779.9	789.0	798.1	800.4	814.4	833.0	842.3	856.5	885.0
160°	807.3	800.1	793.0	800.1	807.3	809.0	820.1	834.9	842.3	854.5	878.9
162.5°	816.8	811.5	806.2	811.5	816.8	818.2	826.2	836.9	842.3	852.5	873.2
165°	830.1	825.3	820.5	825.3	830.1	831.3	835.0	839.9	842.3	849.6	864.4
167.5°	838.2	835.9	833.6	835.9	838.2	838.8	841.8	845.9	848.0	852.8	862.4
170°	846.8	844.6	842.3	844.6	846.8	847.4	847.6	847.9	848.0	852.8	862.4
172.5°	847.9	847.3	846.8	847.3	847.9	848.0	848.0	848.0	848.0	851.8	859.4
175°	853.1	853.1	853.1	853.1	853.1	853.1	851.3	849.1	848.0	850.3	855.2
177.5°	853.1	853.1	853.1	853.1	853.1	853.1	851.8	850.1	849.1	851.1	854.8
180°	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1



TEST NUMBER: P935164

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1404.1	1399.9	1405.4	1390.3	1405.4	1399.9	1404.1	1413.7	1405.4	1411.0	1416.5
5°	1232.0	1225.1	1203.1	1185.2	1203.1	1225.1	1232.0	1260.9	1274.7	1299.5	1332.5
7.5°	1101.2	1095.7	1090.2	1079.2	1090.2	1095.7	1101.2	1109.5	1123.3	1145.3	1170.1
10°	1072.3	1073.7	1082.0	1080.6	1082.0	1073.7	1072.3	1069.6	1065.4	1069.6	1084.7
12.5°	1146.7	1159.0	1204.5	1201.7	1204.5	1159.0	1146.7	1091.6	1054.4	1047.5	1050.3
15°	1232.0	1236.1	1245.8	1247.1	1245.8	1236.1	1232.0	1210.0	1098.5	1050.3	1035.2
17.5°	1240.3	1241.6	1248.5	1248.5	1248.5	1241.6	1240.3	1230.6	1193.5	1128.8	1043.4
20°	1233.4	1236.1	1249.9	1252.7	1249.9	1236.1	1233.4	1221.0	1200.3	1176.9	1112.2
22.5°	1230.6	1236.1	1247.1	1245.8	1247.1	1236.1	1230.6	1211.4	1193.5	1176.9	1150.8
25°	1216.9	1216.9	1218.2	1219.6	1218.2	1216.9	1216.9	1201.7	1165.9	1161.8	1146.7
27.5°	1188.0	1190.7	1199.0	1197.6	1199.0	1190.7	1188.0	1182.5	1143.9	1139.8	1128.8
30°	1161.8	1159.0	1152.2	1146.7	1152.2	1159.0	1161.8	1153.5	1115.0	1104.0	1106.7
32.5°	1117.8	1110.9	1104.0	1099.9	1104.0	1110.9	1117.8	1115.0	1086.1	1071.0	1073.7
35°	1065.4	1066.8	1065.4	1061.3	1065.4	1066.8	1065.4	1068.2	1050.3	1036.5	1035.2
37.5°	1028.3	1031.0	1029.7	1024.1	1029.7	1031.0	1028.3	1025.5	1000.7	996.6	999.4
40°	989.7	991.1	989.7	985.6	989.7	991.1	989.7	984.2	949.8	951.2	960.8
42.5°	952.6	951.2	947.1	944.3	947.1	951.2	952.6	944.3	900.3	896.1	914.0
45°	909.9	911.3	903.0	898.9	903.0	911.3	909.9	904.4	859.0	848.0	860.3
47.5°	867.2	867.2	860.3	856.2	860.3	867.2	867.2	860.3	812.2	801.1	808.0
50°	821.8	820.4	810.8	809.4	810.8	820.4	821.8	817.7	766.7	757.1	757.1
52.5°	769.5	769.5	770.9	773.6	770.9	769.5	769.5	770.9	725.4	715.8	713.0
55°	724.1	725.4	735.1	737.8	735.1	725.4	724.1	724.1	682.8	673.1	667.6
57.5°	677.3	677.3	684.1	684.1	684.1	677.3	677.3	674.5	634.6	626.3	623.6
60°	623.6	626.3	631.8	630.5	631.8	626.3	623.6	620.8	586.4	580.9	571.3
62.5°	567.1	569.9	571.3	568.5	571.3	569.9	567.1	558.9	538.2	534.1	521.7
65°	507.9	510.7	512.1	509.3	512.1	510.7	507.9	503.8	488.7	481.8	470.8
67.5°	447.4	446.0	444.6	450.1	444.6	446.0	447.4	441.9	432.2	426.7	411.6
70°	385.4	385.4	384.1	386.8	384.1	385.4	385.4	381.3	375.8	371.7	357.9
72.5°	319.4	318.0	323.5	319.4	323.5	318.0	319.4	318.0	315.2	311.1	297.3
75°	254.7	257.4	254.7	258.8	254.7	257.4	254.7	256.0	254.7	251.9	242.3
77.5°	194.1	196.8	194.1	194.1	194.1	196.8	194.1	195.5	195.5	195.5	187.2
80°	137.7	136.3	136.3	134.9	136.3	136.3	137.7	137.7	139.0	136.3	133.5
82.5°	88.1	86.7	86.7	89.5	86.7	86.7	88.1	89.5	86.7	86.7	86.7
85°	48.2	49.6	46.8	46.8	46.8	49.6	48.2	45.4	48.2	48.2	46.8
87.5°	17.9	16.5	16.5	16.5	16.5	16.5	17.9	19.3	19.3	19.3	20.6
90°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	29.0	38.6	43.5	37.4
92.5°	108.7	104.4	87.1	69.8	87.1	104.4	108.7	154.2	214.7	245.0	215.1
95°	369.3	356.2	303.8	251.4	303.8	356.2	369.3	484.9	639.2	716.3	604.9
97.5°	852.5	827.6	727.8	628.1	727.8	827.6	852.5	925.7	1023.1	1071.9	886.2
100°	1197.2	1167.5	1048.7	929.8	1048.7	1167.5	1197.2	1191.9	1184.7	1181.2	975.1
102.5°	1491.5	1466.1	1364.2	1262.5	1364.2	1466.1	1491.5	1398.4	1274.2	1212.1	1003.2
105°	1835.0	1821.3	1766.7	1712.0	1766.7	1821.3	1835.0	1626.2	1347.9	1208.7	1006.4
107.5°	2013.7	2017.0	2030.3	2043.5	2030.3	2017.0	2013.7	1722.4	1334.1	1140.0	961.6
110°	2059.5	2073.7	2130.8	2187.8	2130.8	2073.7	2059.5	1733.9	1299.7	1082.7	921.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2030.3	2052.1	2139.7	2227.2	2139.7	2052.1	2030.3	1697.1	1252.7	1030.6	887.2
115°	1931.3	1961.7	2083.0	2204.4	2083.0	1961.7	1931.3	1610.3	1182.2	968.2	847.4
117.5°	1794.4	1828.0	1962.7	2097.3	1962.7	1828.0	1794.4	1504.7	1118.4	925.2	822.5
120°	1702.2	1734.9	1865.8	1996.5	1865.8	1734.9	1702.2	1437.5	1084.5	908.1	814.2
122.5°	1610.0	1642.3	1771.3	1900.4	1771.3	1642.3	1610.0	1371.7	1053.9	894.9	809.8
125°	1488.1	1517.9	1636.6	1755.5	1636.6	1517.9	1488.1	1285.6	1015.6	880.6	806.2
127.5°	1390.2	1415.3	1515.6	1615.8	1515.6	1415.3	1390.2	1216.3	984.5	868.6	804.1
130°	1328.4	1351.5	1444.2	1536.8	1444.2	1351.5	1328.4	1173.5	967.2	864.0	805.4
132.5°	1275.7	1296.4	1379.4	1462.3	1379.4	1296.4	1275.7	1137.1	952.4	860.0	806.2
135°	1201.3	1219.2	1290.6	1362.1	1290.6	1219.2	1201.3	1085.2	930.5	853.1	805.4
137.5°	1146.3	1160.9	1219.4	1278.0	1219.4	1160.9	1146.3	1048.2	917.4	852.0	810.4
140°	1102.2	1115.8	1170.6	1225.3	1170.6	1115.8	1102.2	1017.4	904.5	848.0	811.2
142.5°	1071.2	1083.0	1130.1	1177.2	1130.1	1083.0	1071.2	996.8	897.6	848.0	814.1
145°	1024.9	1033.8	1069.5	1105.1	1069.5	1033.8	1024.9	964.0	882.8	842.3	814.2
147.5°	986.0	993.3	1022.9	1052.4	1022.9	993.3	986.0	938.1	874.2	842.3	819.7
150°	963.6	969.5	993.5	1017.4	993.5	969.5	963.6	923.1	869.2	842.3	822.6
152.5°	945.9	950.4	968.4	986.5	968.4	950.4	945.9	911.4	865.3	842.3	824.5
155°	924.7	927.7	939.6	951.6	939.6	927.7	924.7	897.2	860.6	842.3	828.8
157.5°	906.4	908.5	916.9	925.2	916.9	908.5	906.4	885.0	856.5	842.3	833.0
160°	897.2	898.4	903.3	908.1	903.3	898.4	897.2	878.9	854.5	842.3	834.9
162.5°	888.6	889.7	894.3	898.9	894.3	889.7	888.6	873.2	852.5	842.3	836.9
165°	875.5	876.7	881.5	886.3	881.5	876.7	875.5	864.4	849.6	842.3	839.9
167.5°	869.7	870.3	872.3	874.3	872.3	870.3	869.7	862.4	852.8	848.0	845.9
170°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	862.4	852.8	848.0	847.9
172.5°	865.1	864.7	862.9	861.2	862.9	864.7	865.1	859.4	851.8	848.0	848.0
175°	858.9	858.9	858.9	858.9	858.9	858.9	858.9	855.2	850.3	848.0	849.1
177.5°	857.7	857.1	855.1	853.1	855.1	857.1	857.7	854.8	851.1	849.1	850.1
180°	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1437.1	1444.0	1448.1	1453.6	1467.4
5°	1382.0	1408.2	1416.5	1437.1	1461.9
7.5°	1260.9	1340.8	1362.8	1412.3	1450.9
10°	1143.9	1223.7	1262.3	1379.3	1437.1
12.5°	1084.7	1131.5	1157.7	1321.5	1417.8
15°	1047.5	1080.6	1099.9	1244.4	1395.8
17.5°	1018.6	1042.0	1055.8	1168.7	1365.5
20°	1000.7	1011.8	1024.1	1113.6	1331.1
22.5°	988.4	981.5	991.1	1075.1	1284.3
25°	980.1	953.9	965.0	1044.8	1229.3
27.5°	987.0	929.2	933.3	1017.3	1171.4
30°	988.4	898.9	900.3	988.4	1106.7
32.5°	978.7	867.2	868.6	952.6	1033.8
35°	955.3	830.1	828.7	911.3	934.7
37.5°	923.7	790.1	790.1	865.8	825.9
40°	885.1	750.2	754.3	806.7	729.6
42.5°	838.3	707.5	713.0	728.2	658.0
45°	787.4	666.2	670.4	615.3	602.9
47.5°	730.9	623.6	625.0	510.7	585.0
50°	663.5	579.5	574.0	437.7	583.7
52.5°	604.3	531.3	514.8	396.4	530.0
55°	546.5	480.4	444.6	364.8	491.4
57.5°	495.6	414.3	379.9	327.6	483.2
60°	448.8	349.6	323.5	287.7	443.2
62.5°	410.2	301.5	296.0	260.2	402.0
65°	368.9	268.4	267.0	236.8	341.4
67.5°	329.0	246.4	245.0	214.7	260.2
70°	286.3	223.0	220.2	191.3	192.7
72.5°	242.3	196.8	194.1	172.1	159.7
75°	198.2	166.6	165.2	150.0	129.4
77.5°	155.5	132.1	134.9	121.1	95.0
80°	111.5	96.4	99.1	86.7	71.6
82.5°	74.3	63.3	66.1	55.1	48.2
85°	41.3	35.8	37.2	28.9	22.0
87.5°	19.3	16.5	16.5	11.0	6.9
90°	25.2	16.1	14.9	10.3	5.7
92.5°	155.4	110.5	100.8	61.9	22.9
95°	382.3	215.3	197.5	126.2	55.0
97.5°	514.9	236.5	220.8	157.9	95.1
100°	563.2	254.2	240.0	183.0	126.0
102.5°	585.4	272.0	258.7	205.6	152.3
105°	601.8	298.3	287.1	242.0	196.9
107.5°	604.9	337.3	326.8	284.8	242.7
110°	600.3	359.0	349.6	311.6	273.7



TEST NUMBER: P935164

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	600.4	385.3	376.3	340.2	304.0
115°	606.0	424.8	416.4	383.1	349.8
117.5°	617.1	463.2	455.6	425.4	395.1
120°	626.4	485.6	478.4	449.9	421.4
122.5°	639.5	511.9	504.7	475.9	447.2
125°	657.3	545.7	539.1	512.9	486.7
127.5°	675.1	578.3	571.7	545.2	518.8
130°	688.1	600.1	592.9	564.5	535.9
132.5°	698.5	617.8	610.6	582.2	553.6
135°	710.0	638.4	631.9	606.0	580.0
137.5°	727.2	664.8	658.4	632.6	606.9
140°	737.6	682.5	676.6	652.9	629.3
142.5°	746.5	695.7	690.2	668.4	646.4
145°	757.9	715.7	710.9	691.9	672.8
147.5°	774.6	740.9	736.2	717.6	699.1
150°	783.4	754.1	749.8	733.1	716.3
152.5°	789.2	762.7	759.5	746.8	734.1
155°	801.8	781.5	779.1	769.8	760.4
157.5°	814.4	800.4	798.1	789.0	779.9
160°	820.1	809.0	807.3	800.1	793.0
162.5°	826.2	818.2	816.8	811.5	806.2
165°	835.0	831.3	830.1	825.3	820.5
167.5°	841.8	838.8	838.2	835.9	833.6
170°	847.6	847.4	846.8	844.6	842.3
172.5°	848.0	848.0	847.9	847.3	846.8
175°	851.3	853.1	853.1	853.1	853.1
177.5°	851.8	853.1	853.1	853.1	853.1
180°	853.1	853.1	853.1	853.1	853.1



TEST NUMBER: P935164
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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	11.50	12.28	12.53	13.32	14.72	14.32	15.10	15.36	16.15	17.55
	3H	11.97	12.67	13.01	13.72	15.14	15.66	16.36	16.70	17.41	18.83
	4H	12.16	12.82	13.21	13.87	15.30	16.10	16.76	17.16	17.82	19.24
	6H	12.27	12.88	13.34	13.94	15.38	16.38	16.99	17.44	18.05	19.48
	8H	12.27	12.85	13.34	13.92	15.36	16.45	17.03	17.52	18.10	19.54
	12H	12.24	12.79	13.31	13.86	15.31	16.48	17.04	17.56	18.10	19.56
4H	2H	12.52	13.18	13.58	14.24	15.66	14.72	15.39	15.78	16.44	17.86
	3H	13.54	14.09	14.61	15.17	16.61	16.22	16.77	17.29	17.85	19.29
	4H	13.81	14.32	14.89	15.39	16.85	16.74	17.25	17.82	18.32	19.78
	6H	13.93	14.37	15.02	15.46	16.92	17.10	17.54	18.19	18.63	20.09
	8H	13.94	14.34	15.02	15.43	16.90	17.21	17.61	18.29	18.70	20.17
	12H	13.90	14.27	15.00	15.37	16.84	17.26	17.63	18.36	18.72	20.20
8H	4H	14.26	14.66	15.34	15.75	17.22	16.86	17.27	17.95	18.35	19.82
	6H	14.52	14.85	15.62	15.98	17.45	17.29	17.63	18.40	18.76	20.22
	8H	14.56	14.85	15.67	15.96	17.45	17.44	17.74	18.56	18.85	20.33
	12H	14.54	14.80	15.66	15.90	17.43	17.54	17.79	18.65	18.90	20.43
12H	4H	14.26	14.63	15.36	15.73	17.20	16.82	17.19	17.92	18.29	19.76
	6H	14.58	14.87	15.69	15.98	17.47	17.29	17.58	18.40	18.69	20.18
	8H	14.64	14.90	15.76	16.00	17.53	17.45	17.70	18.56	18.81	20.34