

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: P935163

Luminaire Tested: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

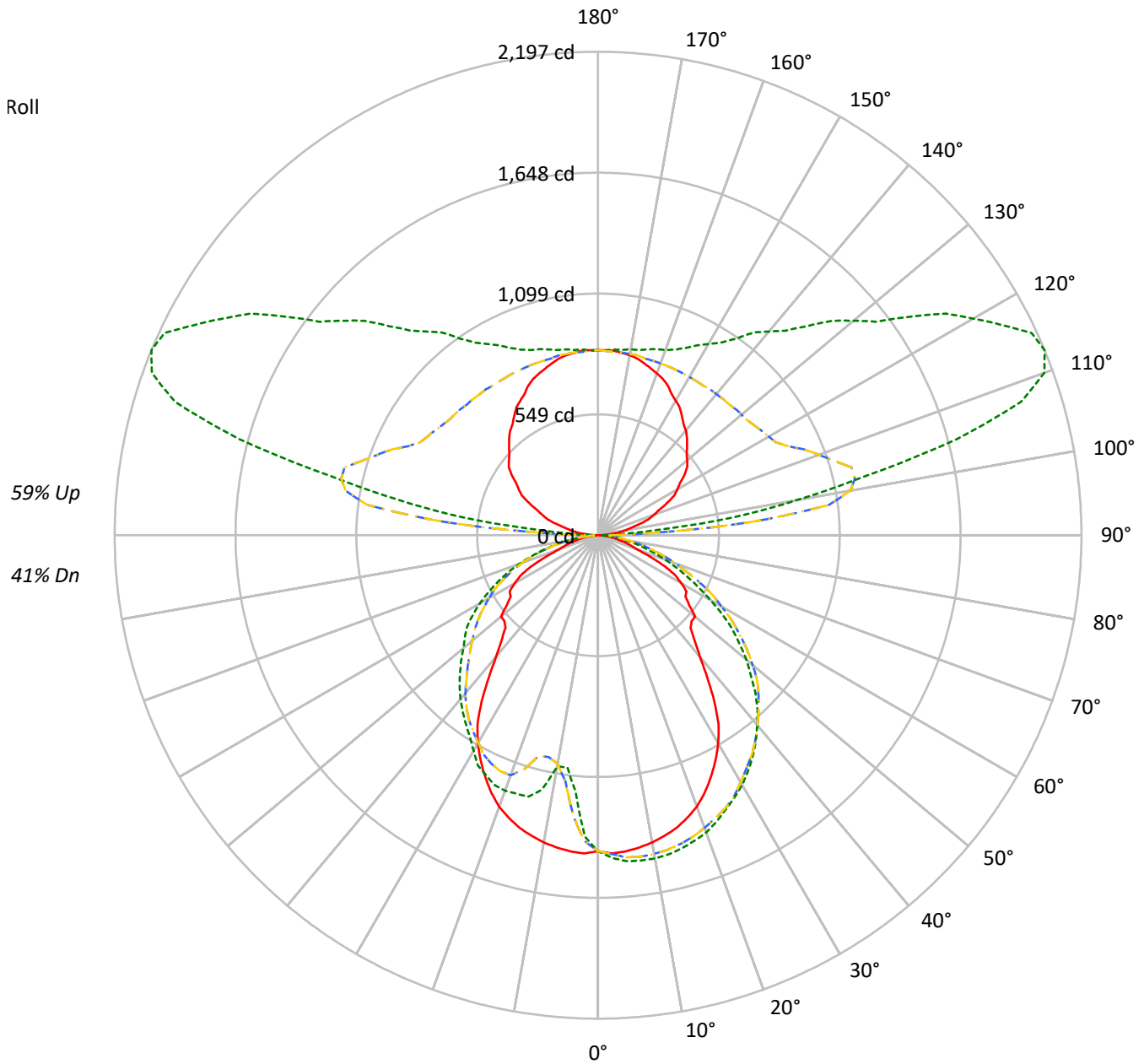
Test Method: LM-79-2019  
Report Number: P935163  
REPORT IS A COMBINATION OF REPORTS P933743 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9179.2 lumens  
Efficiency: N/A  
Efficacy: 124.4 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): 73.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### 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°	8878	8878	8878	8878
5°	8941	8962	8941	7047
10°	8878	8828	8878	6311
15°	8778	8636	8778	7212
20°	8591	8410	8591	7227
25°	8212	8079	8212	7074
30°	7723	7805	7723	6738
35°	6882	7458	6882	6368
40°	5731	7050	5731	6088
45°	5117	6572	5117	5768
50°	5433	6001	5433	5446
55°	5106	5387	5106	5259
60°	5257	4575	5257	4816
65°	4758	3782	4758	4228
70°	3288	3014	3288	3543
75°	2871	2228	2871	2668
80°	2298	1473	2298	1604
85°	1294	780	1294	664

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7848 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.5	1.4
10°-20°	367.8	4.0
20°-30°	568.6	6.2
30°-40°	678.8	7.4
40°-50°	682.7	7.4
50°-60°	594.1	6.5
60°-70°	421.2	4.6
70°-80°	222.8	2.4
80°-90°	58.7	0.6
90°-100°	410.2	4.5
100°-110°	1078.4	11.7
110°-120°	1118.1	12.2
120°-130°	896.9	9.8
130°-140°	703.7	7.7
140°-150°	540.2	5.9
150°-160°	389.0	4.2
160°-170°	238.0	2.6
170°-180°	80.4	0.9
0°-30°	1065.9	11.6
0°-40°	1744.7	19.0
0°-60°	3021.5	32.9
0°-90°	3724.3	40.6
90°-120°	2606.7	28.4
90°-150°	4747.5	51.7
90°-180°	5455.0	59.4
0°-180°	9179.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1435	1435	1435	1435	1435	
5°	1442	1487	1442	1169	1442	137
15°	1377	1473	1377	1230	1377	387
25°	1212	1374	1212	1203	1212	557
35°	922	1226	922	1047	922	570
45°	595	1010	595	887	595	476
55°	485	745	485	728	485	445
65°	337	449	337	502	337	322
75°	128	213	128	255	128	134
85°	22	54	22	46	22	29
90°	6	22	6	22	6	6
95°	54	248	54	248	54	60
105°	194	1689	194	1689	194	206
115°	345	2174	345	2174	345	341
125°	480	1732	480	1732	480	426
135°	572	1344	572	1344	572	443
145°	664	1090	664	1090	664	416
155°	750	939	750	939	750	345
165°	809	874	809	874	809	228
175°	841	847	841	847	841	80
180°	841	841	841	841	841	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1447.4	1447.4	1455.5	1458.2	1458.2	1454.1	1450.1	1454.1	1466.4	1470.4	1469.1
5°	1441.9	1452.8	1467.7	1470.4	1473.1	1471.8	1469.1	1471.8	1485.4	1488.1	1489.4
7.5°	1431.1	1451.4	1470.4	1474.5	1478.6	1474.5	1473.1	1475.9	1489.4	1492.2	1492.2
10°	1417.5	1446.0	1467.7	1470.4	1474.5	1470.4	1470.4	1475.9	1489.4	1492.2	1493.5
12.5°	1398.5	1437.8	1458.2	1460.9	1466.4	1465.0	1463.6	1469.1	1482.7	1485.4	1485.4
15°	1376.7	1422.9	1441.9	1444.6	1454.1	1451.4	1451.4	1456.9	1471.8	1475.9	1474.5
17.5°	1346.9	1403.9	1425.6	1429.7	1436.5	1435.1	1436.5	1441.9	1455.5	1458.2	1459.6
20°	1312.9	1378.1	1403.9	1408.0	1414.8	1414.8	1414.8	1421.6	1435.1	1440.6	1440.6
22.5°	1266.8	1351.0	1378.1	1380.8	1389.0	1389.0	1391.7	1401.2	1413.4	1414.8	1414.8
25°	1212.5	1321.1	1344.2	1352.3	1360.5	1364.5	1368.6	1374.0	1378.1	1376.7	1378.1
27.5°	1155.4	1283.1	1312.9	1318.4	1329.2	1333.3	1338.7	1340.1	1341.4	1345.5	1342.8
30°	1091.6	1230.1	1274.9	1280.4	1298.0	1300.7	1295.3	1298.0	1304.8	1307.5	1310.2
32.5°	1019.7	1151.4	1235.5	1247.8	1264.1	1255.9	1254.6	1258.6	1269.5	1269.5	1272.2
35°	921.9	1090.3	1198.9	1209.7	1222.0	1212.5	1217.9	1219.3	1226.0	1230.1	1228.8
37.5°	814.6	1037.3	1160.9	1169.0	1178.5	1166.3	1174.4	1178.5	1184.0	1181.2	1181.2
40°	719.6	954.5	1116.1	1121.5	1129.6	1120.1	1128.3	1131.0	1133.7	1131.0	1129.6
42.5°	649.0	863.5	1068.5	1075.3	1069.9	1076.7	1079.4	1084.8	1080.8	1075.3	1075.3
45°	594.7	839.1	1016.9	1025.1	1016.9	1027.8	1031.9	1031.9	1019.7	1016.9	1015.6
47.5°	577.0	790.2	965.4	965.4	961.3	974.9	981.6	972.1	959.9	955.9	955.9
50°	575.7	735.9	894.8	889.3	908.3	924.6	917.8	908.3	898.8	883.9	883.9
52.5°	522.7	669.4	803.8	824.1	854.0	863.5	852.7	843.2	826.9	820.1	814.6
55°	484.7	600.1	721.0	761.7	792.9	805.1	784.8	775.3	750.8	746.8	744.0
57.5°	476.6	499.6	644.9	696.5	734.5	733.2	721.0	703.3	682.9	678.9	677.5
60°	437.2	361.2	563.5	624.6	663.9	659.9	649.0	632.7	613.7	611.0	608.3
62.5°	396.5	262.0	471.1	540.4	596.0	594.7	585.2	560.7	547.2	540.4	535.0
65°	336.7	220.0	335.4	449.4	529.5	532.2	511.9	494.2	479.3	471.1	469.8
67.5°	256.6	179.2	226.7	374.7	465.7	463.0	437.2	429.0	410.0	406.0	397.8
70°	190.1	119.5	157.5	304.1	403.2	396.5	376.1	366.6	348.9	339.4	334.0
72.5°	157.5	96.4	115.4	236.2	339.4	331.3	313.6	302.8	287.8	279.7	274.3
75°	127.6	101.8	88.3	175.1	275.6	270.2	253.9	243.0	230.8	220.0	221.3
77.5°	93.7	95.0	70.6	129.0	218.6	210.4	200.9	187.4	181.9	171.1	171.1
80°	70.6	74.7	53.0	88.3	157.5	157.5	149.4	139.8	130.3	124.9	124.9
82.5°	47.5	47.5	39.4	55.7	107.3	103.2	97.8	95.0	89.6	86.9	86.9
85°	21.7	27.2	24.4	33.9	58.4	61.1	61.1	58.4	57.0	54.3	55.7
87.5°	6.8	12.2	14.9	19.0	29.9	31.2	32.6	32.6	32.6	33.9	33.9
90°	5.6	10.1	14.7	15.8	24.9	36.9	42.9	38.1	28.6	21.5	21.5
92.5°	22.6	61.0	99.4	109.0	153.2	212.2	241.7	211.8	152.1	107.3	103.0
95°	54.2	124.5	194.8	212.4	377.1	596.7	706.5	630.4	478.3	364.2	351.3
97.5°	93.8	155.8	217.8	233.3	507.9	874.1	1057.2	1009.2	913.0	840.9	816.3
100°	124.3	180.5	236.7	250.7	555.5	961.8	1165.0	1168.6	1175.6	1180.9	1151.5
102.5°	150.3	202.8	255.2	268.3	577.4	989.5	1195.5	1256.8	1379.3	1471.2	1446.1
105°	194.2	238.7	283.1	294.3	593.6	992.7	1192.2	1329.5	1604.0	1810.0	1796.5
107.5°	239.4	280.9	322.3	332.6	596.6	948.4	1124.4	1315.9	1698.9	1986.2	1989.5
110°	269.9	307.3	344.8	354.1	592.1	909.3	1067.9	1282.0	1710.2	2031.4	2045.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	299.9	335.5	371.2	380.1	592.2	875.1	1016.5	1235.6	1673.9	2002.6	2024.1
115°	345.0	377.9	410.8	419.0	597.7	835.8	954.9	1166.0	1588.3	1904.9	1934.9
117.5°	389.7	419.5	449.4	456.8	608.7	811.3	912.6	1103.1	1484.1	1769.9	1803.1
120°	415.6	443.8	471.9	478.9	617.9	803.1	895.7	1069.7	1417.8	1679.0	1711.2
122.5°	441.1	469.4	497.8	504.9	630.8	798.7	882.7	1039.5	1352.9	1588.0	1619.9
125°	480.0	505.9	531.8	538.2	648.4	795.2	868.6	1001.7	1268.0	1467.8	1497.1
127.5°	511.7	537.8	563.9	570.4	665.8	793.1	856.7	971.1	1199.7	1371.2	1395.9
130°	528.6	556.8	584.8	591.9	678.7	794.4	852.2	953.9	1157.5	1310.2	1333.0
132.5°	546.1	574.2	602.3	609.4	689.0	795.2	848.2	939.4	1121.6	1258.3	1278.7
135°	572.1	597.7	623.3	629.7	700.3	794.4	841.4	917.7	1070.4	1184.9	1202.5
137.5°	598.6	623.9	649.4	655.7	717.2	799.3	840.4	904.9	1033.9	1130.6	1145.0
140°	620.7	644.0	667.4	673.2	727.6	800.1	836.4	892.1	1003.6	1087.1	1100.6
142.5°	637.6	659.2	680.8	686.2	736.3	803.0	836.4	885.3	983.2	1056.6	1068.2
145°	663.6	682.4	701.2	705.9	747.6	803.1	830.8	870.8	950.9	1010.9	1019.7
147.5°	689.6	707.8	726.1	730.7	764.0	808.5	830.8	862.3	925.3	972.5	979.7
150°	706.5	723.0	739.6	743.8	772.7	811.4	830.8	857.4	910.5	950.4	956.3
152.5°	724.0	736.6	749.1	752.3	778.4	813.3	830.8	853.5	898.9	932.9	937.4
155°	750.0	759.2	768.5	770.8	790.8	817.5	830.8	848.9	885.0	912.0	915.0
157.5°	769.2	778.3	787.2	789.5	803.2	821.6	830.8	844.8	872.9	894.0	896.1
160°	782.1	789.2	796.3	798.0	808.9	823.5	830.8	842.8	866.9	885.0	886.2
162.5°	795.2	800.4	805.7	807.0	814.9	825.5	830.8	840.9	861.3	876.5	877.6
165°	809.3	814.0	818.8	820.0	823.6	828.4	830.8	838.0	852.6	863.5	864.7
167.5°	822.2	824.5	826.8	827.3	830.3	834.4	836.4	841.2	850.7	857.8	858.4
170°	830.8	833.0	835.3	835.8	836.0	836.3	836.4	841.2	850.7	857.8	857.8
172.5°	835.3	835.7	836.3	836.4	836.4	836.4	836.4	840.2	847.7	853.3	852.8
175°	841.4	841.4	841.4	841.4	839.7	837.5	836.4	838.7	843.5	847.1	847.1
177.5°	841.4	841.4	841.4	841.4	840.2	838.5	837.5	839.4	843.2	846.0	845.4
180°	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1471.8	1467.7	1471.8	1469.1	1470.4	1466.4	1454.1	1450.1	1454.1	1458.2	1458.2
5°	1489.4	1486.7	1489.4	1489.4	1488.1	1485.4	1471.8	1469.1	1471.8	1473.1	1470.4
7.5°	1494.9	1490.8	1494.9	1492.2	1492.2	1489.4	1475.9	1473.1	1474.5	1478.6	1474.5
10°	1494.9	1490.8	1494.9	1493.5	1492.2	1489.4	1475.9	1470.4	1470.4	1474.5	1470.4
12.5°	1488.1	1485.4	1488.1	1485.4	1485.4	1482.7	1469.1	1463.6	1465.0	1466.4	1460.9
15°	1477.2	1473.1	1477.2	1474.5	1475.9	1471.8	1456.9	1451.4	1451.4	1454.1	1444.6
17.5°	1460.9	1455.5	1460.9	1459.6	1458.2	1455.5	1441.9	1436.5	1435.1	1436.5	1429.7
20°	1441.9	1437.8	1441.9	1440.6	1440.6	1435.1	1421.6	1414.8	1414.8	1414.8	1408.0
22.5°	1412.1	1408.0	1412.1	1414.8	1414.8	1413.4	1401.2	1391.7	1389.0	1389.0	1380.8
25°	1378.1	1374.0	1378.1	1378.1	1376.7	1378.1	1374.0	1368.6	1364.5	1360.5	1352.3
27.5°	1345.5	1342.8	1345.5	1342.8	1345.5	1341.4	1340.1	1338.7	1333.3	1329.2	1318.4
30°	1312.9	1310.2	1312.9	1310.2	1307.5	1304.8	1298.0	1295.3	1300.7	1298.0	1280.4
32.5°	1272.2	1269.5	1272.2	1272.2	1269.5	1269.5	1258.6	1254.6	1255.9	1264.1	1247.8
35°	1230.1	1226.0	1230.1	1228.8	1230.1	1226.0	1219.3	1217.9	1212.5	1222.0	1209.7
37.5°	1181.2	1177.2	1181.2	1181.2	1181.2	1184.0	1178.5	1174.4	1166.3	1178.5	1169.0
40°	1131.0	1125.6	1131.0	1129.6	1131.0	1133.7	1131.0	1128.3	1120.1	1129.6	1121.5
42.5°	1074.0	1072.6	1074.0	1075.3	1075.3	1080.8	1084.8	1079.4	1076.7	1069.9	1075.3
45°	1012.9	1010.2	1012.9	1015.6	1016.9	1019.7	1031.9	1031.9	1027.8	1016.9	1025.1
47.5°	947.7	940.9	947.7	955.9	955.9	959.9	972.1	981.6	974.9	961.3	965.4
50°	878.5	879.8	878.5	883.9	883.9	898.8	908.3	917.8	924.6	908.3	889.3
52.5°	810.6	809.2	810.6	814.6	820.1	826.9	843.2	852.7	863.5	854.0	824.1
55°	742.7	745.4	742.7	744.0	746.8	750.8	775.3	784.8	805.1	792.9	761.7
57.5°	674.8	670.7	674.8	677.5	678.9	682.9	703.3	721.0	733.2	734.5	696.5
60°	596.0	590.6	596.0	608.3	611.0	613.7	632.7	649.0	659.9	663.9	624.6
62.5°	526.8	517.3	526.8	535.0	540.4	547.2	560.7	585.2	594.7	596.0	540.4
65°	453.5	449.4	453.5	469.8	471.1	479.3	494.2	511.9	532.2	529.5	449.4
67.5°	387.0	387.0	387.0	397.8	406.0	410.0	429.0	437.2	463.0	465.7	374.7
70°	325.9	324.5	325.9	334.0	339.4	348.9	366.6	376.1	396.5	403.2	304.1
72.5°	267.5	266.1	267.5	274.3	279.7	287.8	302.8	313.6	331.3	339.4	236.2
75°	215.9	213.2	215.9	221.3	220.0	230.8	243.0	253.9	270.2	275.6	175.1
77.5°	165.6	165.6	165.6	171.1	171.1	181.9	187.4	200.9	210.4	218.6	129.0
80°	123.6	122.2	123.6	124.9	124.9	130.3	139.8	149.4	157.5	157.5	88.3
82.5°	86.9	84.2	86.9	86.9	86.9	89.6	95.0	97.8	103.2	107.3	55.7
85°	54.3	54.3	54.3	55.7	54.3	57.0	58.4	61.1	61.1	58.4	33.9
87.5°	35.3	33.9	35.3	33.9	33.9	32.6	32.6	32.6	31.2	29.9	19.0
90°	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.9	36.9	24.9	15.8
92.5°	85.9	68.9	85.9	103.0	107.3	152.1	211.8	241.7	212.2	153.2	109.0
95°	299.6	247.9	299.6	351.3	364.2	478.3	630.4	706.5	596.7	377.1	212.4
97.5°	717.9	619.5	717.9	816.3	840.9	913.0	1009.2	1057.2	874.1	507.9	233.3
100°	1034.3	917.1	1034.3	1151.5	1180.9	1175.6	1168.6	1165.0	961.8	555.5	250.7
102.5°	1345.6	1245.2	1345.6	1446.1	1471.2	1379.3	1256.8	1195.5	989.5	577.4	268.3
105°	1742.5	1688.6	1742.5	1796.5	1810.0	1604.0	1329.5	1192.2	992.7	593.6	294.3
107.5°	2002.6	2015.6	2002.6	1989.5	1986.2	1698.9	1315.9	1124.4	948.4	596.6	332.6
110°	2101.7	2157.9	2101.7	2045.4	2031.4	1710.2	1282.0	1067.9	909.3	592.1	354.1





TEST NUMBER: P935163

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2110.5	2196.8	2110.5	2024.1	2002.6	1673.9	1235.6	1016.5	875.1	592.2	380.1
115°	2054.5	2174.3	2054.5	1934.9	1904.9	1588.3	1166.0	954.9	835.8	597.7	419.0
117.5°	1935.9	2068.7	1935.9	1803.1	1769.9	1484.1	1103.1	912.6	811.3	608.7	456.8
120°	1840.3	1969.3	1840.3	1711.2	1679.0	1417.8	1069.7	895.7	803.1	617.9	478.9
122.5°	1747.1	1874.4	1747.1	1619.9	1588.0	1352.9	1039.5	882.7	798.7	630.8	504.9
125°	1614.3	1731.5	1614.3	1497.1	1467.8	1268.0	1001.7	868.6	795.2	648.4	538.2
127.5°	1494.9	1593.7	1494.9	1395.9	1371.2	1199.7	971.1	856.7	793.1	665.8	570.4
130°	1424.5	1515.8	1424.5	1333.0	1310.2	1157.5	953.9	852.2	794.4	678.7	591.9
132.5°	1360.5	1442.4	1360.5	1278.7	1258.3	1121.6	939.4	848.2	795.2	689.0	609.4
135°	1273.0	1343.5	1273.0	1202.5	1184.9	1070.4	917.7	841.4	794.4	700.3	629.7
137.5°	1202.8	1260.5	1202.8	1145.0	1130.6	1033.9	904.9	840.4	799.3	717.2	655.7
140°	1154.6	1208.6	1154.6	1100.6	1087.1	1003.6	892.1	836.4	800.1	727.6	673.2
142.5°	1114.7	1161.1	1114.7	1068.2	1056.6	983.2	885.3	836.4	803.0	736.3	686.2
145°	1054.9	1090.0	1054.9	1019.7	1010.9	950.9	870.8	830.8	803.1	747.6	705.9
147.5°	1008.9	1038.0	1008.9	979.7	972.5	925.3	862.3	830.8	808.5	764.0	730.7
150°	979.9	1003.6	979.9	956.3	950.4	910.5	857.4	830.8	811.4	772.7	743.8
152.5°	955.2	973.0	955.2	937.4	932.9	898.9	853.5	830.8	813.3	778.4	752.3
155°	926.8	938.6	926.8	915.0	912.0	885.0	848.9	830.8	817.5	790.8	770.8
157.5°	904.3	912.6	904.3	896.1	894.0	872.9	844.8	830.8	821.6	803.2	789.5
160°	890.9	895.7	890.9	886.2	885.0	866.9	842.8	830.8	823.5	808.9	798.0
162.5°	882.1	886.6	882.1	877.6	876.5	861.3	840.9	830.8	825.5	814.9	807.0
165°	869.5	874.2	869.5	864.7	863.5	852.6	838.0	830.8	828.4	823.6	820.0
167.5°	860.4	862.3	860.4	858.4	857.8	850.7	841.2	836.4	834.4	830.3	827.3
170°	857.8	857.8	857.8	857.8	857.8	850.7	841.2	836.4	836.3	836.0	835.8
172.5°	851.1	849.4	851.1	852.8	853.3	847.7	840.2	836.4	836.4	836.4	836.4
175°	847.1	847.1	847.1	847.1	847.1	843.5	838.7	836.4	837.5	839.7	841.4
177.5°	843.4	841.4	843.4	845.4	846.0	843.2	839.4	837.5	838.5	840.2	841.4
180°	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4



TEST NUMBER: P935163

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1455.5	1447.4	1447.4	1433.8	1428.3	1424.3	1417.5	1397.1	1391.7	1386.3	1394.4
5°	1467.7	1452.8	1441.9	1417.5	1397.1	1389.0	1363.2	1314.3	1281.7	1257.3	1243.7
7.5°	1470.4	1451.4	1431.1	1393.0	1344.2	1322.4	1243.7	1154.1	1129.6	1107.9	1094.3
10°	1467.7	1446.0	1417.5	1360.5	1245.0	1207.0	1128.3	1069.9	1055.0	1050.9	1055.0
12.5°	1458.2	1437.8	1398.5	1303.4	1141.9	1116.1	1069.9	1036.0	1033.2	1040.0	1076.7
15°	1441.9	1422.9	1376.7	1227.4	1084.8	1065.8	1033.2	1021.0	1036.0	1083.5	1193.5
17.5°	1425.6	1403.9	1346.9	1152.7	1041.4	1027.8	1004.7	1029.2	1113.3	1177.2	1213.8
20°	1403.9	1378.1	1312.9	1098.4	1010.2	997.9	987.1	1097.1	1160.9	1184.0	1204.3
22.5°	1378.1	1351.0	1266.8	1060.4	977.6	968.1	974.9	1135.1	1160.9	1177.2	1194.8
25°	1344.2	1321.1	1212.5	1030.5	951.8	940.9	966.7	1131.0	1145.9	1150.0	1185.3
27.5°	1312.9	1283.1	1155.4	1003.4	920.5	916.5	973.5	1113.3	1124.2	1128.3	1166.3
30°	1274.9	1230.1	1091.6	974.9	888.0	886.6	974.9	1091.6	1088.9	1099.8	1137.8
32.5°	1235.5	1151.4	1019.7	939.6	856.7	855.4	965.4	1059.0	1056.3	1071.3	1099.8
35°	1198.9	1090.3	921.9	898.8	817.4	818.7	942.3	1021.0	1022.4	1036.0	1053.6
37.5°	1160.9	1037.3	814.6	854.0	779.3	779.3	911.0	985.7	983.0	987.1	1011.5
40°	1116.1	954.5	719.6	795.6	744.0	740.0	873.0	947.7	938.2	936.8	970.8
42.5°	1068.5	863.5	649.0	718.2	703.3	697.9	826.9	901.5	883.9	888.0	931.4
45°	1016.9	839.1	594.7	606.9	661.2	657.1	776.6	848.6	836.4	847.2	892.0
47.5°	965.4	790.2	577.0	503.7	616.4	615.1	721.0	797.0	790.2	801.1	848.6
50°	894.8	735.9	575.7	431.8	566.2	571.6	654.4	746.8	746.8	756.3	806.5
52.5°	803.8	669.4	522.7	391.0	507.8	524.1	596.0	703.3	706.0	715.5	760.3
55°	721.0	600.1	484.7	359.8	438.6	473.9	539.0	658.5	663.9	673.4	714.2
57.5°	644.9	499.6	476.6	323.1	374.7	408.7	488.8	615.1	617.8	625.9	665.3
60°	563.5	361.2	437.2	283.8	319.1	344.9	442.6	563.5	573.0	578.4	612.3
62.5°	471.1	262.0	396.5	256.6	291.9	297.3	404.6	514.6	526.8	530.9	551.2
65°	335.4	220.0	336.7	233.5	263.4	264.8	363.9	464.3	475.2	482.0	496.9
67.5°	226.7	179.2	256.6	211.8	241.7	243.0	324.5	406.0	420.9	426.3	435.8
70°	157.5	119.5	190.1	188.7	217.2	220.0	282.4	353.0	366.6	370.7	376.1
72.5°	115.4	96.4	157.5	169.7	191.4	194.2	239.0	293.3	306.8	310.9	313.6
75°	88.3	101.8	127.6	148.0	162.9	164.3	195.5	239.0	248.5	251.2	252.5
77.5°	70.6	95.0	93.7	119.5	133.1	130.3	153.4	184.7	192.8	192.8	192.8
80°	53.0	74.7	70.6	85.5	97.8	95.0	110.0	131.7	134.4	137.1	135.8
82.5°	39.4	47.5	47.5	54.3	65.2	62.5	73.3	85.5	85.5	85.5	88.3
85°	24.4	27.2	21.7	28.5	36.7	35.3	40.7	46.2	47.5	47.5	44.8
87.5°	14.9	12.2	6.8	10.9	16.3	16.3	19.0	20.4	19.0	19.0	19.0
90°	14.7	10.1	5.6	10.1	14.7	15.8	24.9	36.9	42.9	38.1	28.6
92.5°	99.4	61.0	22.6	61.0	99.4	109.0	153.2	212.2	241.7	211.8	152.1
95°	194.8	124.5	54.2	124.5	194.8	212.4	377.1	596.7	706.5	630.4	478.3
97.5°	217.8	155.8	93.8	155.8	217.8	233.3	507.9	874.1	1057.2	1009.2	913.0
100°	236.7	180.5	124.3	180.5	236.7	250.7	555.5	961.8	1165.0	1168.6	1175.6
102.5°	255.2	202.8	150.3	202.8	255.2	268.3	577.4	989.5	1195.5	1256.8	1379.3
105°	283.1	238.7	194.2	238.7	283.1	294.3	593.6	992.7	1192.2	1329.5	1604.0
107.5°	322.3	280.9	239.4	280.9	322.3	332.6	596.6	948.4	1124.4	1315.9	1698.9
110°	344.8	307.3	269.9	307.3	344.8	354.1	592.1	909.3	1067.9	1282.0	1710.2



TEST NUMBER: P935163

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	371.2	335.5	299.9	335.5	371.2	380.1	592.2	875.1	1016.5	1235.6	1673.9
115°	410.8	377.9	345.0	377.9	410.8	419.0	597.7	835.8	954.9	1166.0	1588.3
117.5°	449.4	419.5	389.7	419.5	449.4	456.8	608.7	811.3	912.6	1103.1	1484.1
120°	471.9	443.8	415.6	443.8	471.9	478.9	617.9	803.1	895.7	1069.7	1417.8
122.5°	497.8	469.4	441.1	469.4	497.8	504.9	630.8	798.7	882.7	1039.5	1352.9
125°	531.8	505.9	480.0	505.9	531.8	538.2	648.4	795.2	868.6	1001.7	1268.0
127.5°	563.9	537.8	511.7	537.8	563.9	570.4	665.8	793.1	856.7	971.1	1199.7
130°	584.8	556.8	528.6	556.8	584.8	591.9	678.7	794.4	852.2	953.9	1157.5
132.5°	602.3	574.2	546.1	574.2	602.3	609.4	689.0	795.2	848.2	939.4	1121.6
135°	623.3	597.7	572.1	597.7	623.3	629.7	700.3	794.4	841.4	917.7	1070.4
137.5°	649.4	623.9	598.6	623.9	649.4	655.7	717.2	799.3	840.4	904.9	1033.9
140°	667.4	644.0	620.7	644.0	667.4	673.2	727.6	800.1	836.4	892.1	1003.6
142.5°	680.8	659.2	637.6	659.2	680.8	686.2	736.3	803.0	836.4	885.3	983.2
145°	701.2	682.4	663.6	682.4	701.2	705.9	747.6	803.1	830.8	870.8	950.9
147.5°	726.1	707.8	689.6	707.8	726.1	730.7	764.0	808.5	830.8	862.3	925.3
150°	739.6	723.0	706.5	723.0	739.6	743.8	772.7	811.4	830.8	857.4	910.5
152.5°	749.1	736.6	724.0	736.6	749.1	752.3	778.4	813.3	830.8	853.5	898.9
155°	768.5	759.2	750.0	759.2	768.5	770.8	790.8	817.5	830.8	848.9	885.0
157.5°	787.2	778.3	769.2	778.3	787.2	789.5	803.2	821.6	830.8	844.8	872.9
160°	796.3	789.2	782.1	789.2	796.3	798.0	808.9	823.5	830.8	842.8	866.9
162.5°	805.7	800.4	795.2	800.4	805.7	807.0	814.9	825.5	830.8	840.9	861.3
165°	818.8	814.0	809.3	814.0	818.8	820.0	823.6	828.4	830.8	838.0	852.6
167.5°	826.8	824.5	822.2	824.5	826.8	827.3	830.3	834.4	836.4	841.2	850.7
170°	835.3	833.0	830.8	833.0	835.3	835.8	836.0	836.3	836.4	841.2	850.7
172.5°	836.3	835.7	835.3	835.7	836.3	836.4	836.4	836.4	836.4	840.2	847.7
175°	841.4	841.4	841.4	841.4	841.4	841.4	839.7	837.5	836.4	838.7	843.5
177.5°	841.4	841.4	841.4	841.4	841.4	841.4	840.2	838.5	837.5	839.4	843.2
180°	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4



TEST NUMBER: P935163

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1384.9	1380.8	1386.3	1371.3	1386.3	1380.8	1384.9	1394.4	1386.3	1391.7	1397.1
5°	1215.2	1208.4	1186.7	1169.0	1186.7	1208.4	1215.2	1243.7	1257.3	1281.7	1314.3
7.5°	1086.2	1080.8	1075.3	1064.5	1075.3	1080.8	1086.2	1094.3	1107.9	1129.6	1154.1
10°	1057.7	1059.0	1067.2	1065.8	1067.2	1059.0	1057.7	1055.0	1050.9	1055.0	1069.9
12.5°	1131.0	1143.2	1188.0	1185.3	1188.0	1143.2	1131.0	1076.7	1040.0	1033.2	1036.0
15°	1215.2	1219.3	1228.8	1230.1	1228.8	1219.3	1215.2	1193.5	1083.5	1036.0	1021.0
17.5°	1223.3	1224.7	1231.5	1231.5	1231.5	1224.7	1223.3	1213.8	1177.2	1113.3	1029.2
20°	1216.5	1219.3	1232.8	1235.5	1232.8	1219.3	1216.5	1204.3	1184.0	1160.9	1097.1
22.5°	1213.8	1219.3	1230.1	1228.8	1230.1	1219.3	1213.8	1194.8	1177.2	1160.9	1135.1
25°	1200.2	1200.2	1201.6	1203.0	1201.6	1200.2	1200.2	1185.3	1150.0	1145.9	1131.0
27.5°	1171.7	1174.4	1182.6	1181.2	1182.6	1174.4	1171.7	1166.3	1128.3	1124.2	1113.3
30°	1145.9	1143.2	1136.4	1131.0	1136.4	1143.2	1145.9	1137.8	1099.8	1088.9	1091.6
32.5°	1102.5	1095.7	1088.9	1084.8	1088.9	1095.7	1102.5	1099.8	1071.3	1056.3	1059.0
35°	1050.9	1052.2	1050.9	1046.8	1050.9	1052.2	1050.9	1053.6	1036.0	1022.4	1021.0
37.5°	1014.2	1016.9	1015.6	1010.2	1015.6	1016.9	1014.2	1011.5	987.1	983.0	985.7
40°	976.2	977.6	976.2	972.1	976.2	977.6	976.2	970.8	936.8	938.2	947.7
42.5°	939.6	938.2	934.1	931.4	934.1	938.2	939.6	931.4	888.0	883.9	901.5
45°	897.5	898.8	890.7	886.6	890.7	898.8	897.5	892.0	847.2	836.4	848.6
47.5°	855.4	855.4	848.6	844.5	848.6	855.4	855.4	848.6	801.1	790.2	797.0
50°	810.6	809.2	799.7	798.4	799.7	809.2	810.6	806.5	756.3	746.8	746.8
52.5°	759.0	759.0	760.3	763.1	760.3	759.0	759.0	760.3	715.5	706.0	703.3
55°	714.2	715.5	725.0	727.7	725.0	715.5	714.2	714.2	673.4	663.9	658.5
57.5°	668.0	668.0	674.8	674.8	674.8	668.0	668.0	665.3	625.9	617.8	615.1
60°	615.1	617.8	623.2	621.8	623.2	617.8	615.1	612.3	578.4	573.0	563.5
62.5°	559.4	562.1	563.5	560.7	563.5	562.1	559.4	551.2	530.9	526.8	514.6
65°	501.0	503.7	505.1	502.4	505.1	503.7	501.0	496.9	482.0	475.2	464.3
67.5°	441.3	439.9	438.6	444.0	438.6	439.9	441.3	435.8	426.3	420.9	406.0
70°	380.2	380.2	378.8	381.5	378.8	380.2	380.2	376.1	370.7	366.6	353.0
72.5°	315.0	313.6	319.1	315.0	319.1	313.6	315.0	313.6	310.9	306.8	293.3
75°	251.2	253.9	251.2	255.3	251.2	253.9	251.2	252.5	251.2	248.5	239.0
77.5°	191.4	194.2	191.4	191.4	191.4	194.2	191.4	192.8	192.8	192.8	184.7
80°	135.8	134.4	134.4	133.1	134.4	134.4	135.8	135.8	137.1	134.4	131.7
82.5°	86.9	85.5	85.5	88.3	85.5	85.5	86.9	88.3	85.5	85.5	85.5
85°	47.5	48.9	46.2	46.2	46.2	48.9	47.5	44.8	47.5	47.5	46.2
87.5°	17.7	16.3	16.3	16.3	16.3	16.3	17.7	19.0	19.0	19.0	20.4
90°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.9	36.9
92.5°	107.3	103.0	85.9	68.9	85.9	103.0	107.3	152.1	211.8	241.7	212.2
95°	364.2	351.3	299.6	247.9	299.6	351.3	364.2	478.3	630.4	706.5	596.7
97.5°	840.9	816.3	717.9	619.5	717.9	816.3	840.9	913.0	1009.2	1057.2	874.1
100°	1180.9	1151.5	1034.3	917.1	1034.3	1151.5	1180.9	1175.6	1168.6	1165.0	961.8
102.5°	1471.2	1446.1	1345.6	1245.2	1345.6	1446.1	1471.2	1379.3	1256.8	1195.5	989.5
105°	1810.0	1796.5	1742.5	1688.6	1742.5	1796.5	1810.0	1604.0	1329.5	1192.2	992.7
107.5°	1986.2	1989.5	2002.6	2015.6	2002.6	1989.5	1986.2	1698.9	1315.9	1124.4	948.4
110°	2031.4	2045.4	2101.7	2157.9	2101.7	2045.4	2031.4	1710.2	1282.0	1067.9	909.3



TEST NUMBER: P935163

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2002.6	2024.1	2110.5	2196.8	2110.5	2024.1	2002.6	1673.9	1235.6	1016.5	875.1
115°	1904.9	1934.9	2054.5	2174.3	2054.5	1934.9	1904.9	1588.3	1166.0	954.9	835.8
117.5°	1769.9	1803.1	1935.9	2068.7	1935.9	1803.1	1769.9	1484.1	1103.1	912.6	811.3
120°	1679.0	1711.2	1840.3	1969.3	1840.3	1711.2	1679.0	1417.8	1069.7	895.7	803.1
122.5°	1588.0	1619.9	1747.1	1874.4	1747.1	1619.9	1588.0	1352.9	1039.5	882.7	798.7
125°	1467.8	1497.1	1614.3	1731.5	1614.3	1497.1	1467.8	1268.0	1001.7	868.6	795.2
127.5°	1371.2	1395.9	1494.9	1593.7	1494.9	1395.9	1371.2	1199.7	971.1	856.7	793.1
130°	1310.2	1333.0	1424.5	1515.8	1424.5	1333.0	1310.2	1157.5	953.9	852.2	794.4
132.5°	1258.3	1278.7	1360.5	1442.4	1360.5	1278.7	1258.3	1121.6	939.4	848.2	795.2
135°	1184.9	1202.5	1273.0	1343.5	1273.0	1202.5	1184.9	1070.4	917.7	841.4	794.4
137.5°	1130.6	1145.0	1202.8	1260.5	1202.8	1145.0	1130.6	1033.9	904.9	840.4	799.3
140°	1087.1	1100.6	1154.6	1208.6	1154.6	1100.6	1087.1	1003.6	892.1	836.4	800.1
142.5°	1056.6	1068.2	1114.7	1161.1	1114.7	1068.2	1056.6	983.2	885.3	836.4	803.0
145°	1010.9	1019.7	1054.9	1090.0	1054.9	1019.7	1010.9	950.9	870.8	830.8	803.1
147.5°	972.5	979.7	1008.9	1038.0	1008.9	979.7	972.5	925.3	862.3	830.8	808.5
150°	950.4	956.3	979.9	1003.6	979.9	956.3	950.4	910.5	857.4	830.8	811.4
152.5°	932.9	937.4	955.2	973.0	955.2	937.4	932.9	898.9	853.5	830.8	813.3
155°	912.0	915.0	926.8	938.6	926.8	915.0	912.0	885.0	848.9	830.8	817.5
157.5°	894.0	896.1	904.3	912.6	904.3	896.1	894.0	872.9	844.8	830.8	821.6
160°	885.0	886.2	890.9	895.7	890.9	886.2	885.0	866.9	842.8	830.8	823.5
162.5°	876.5	877.6	882.1	886.6	882.1	877.6	876.5	861.3	840.9	830.8	825.5
165°	863.5	864.7	869.5	874.2	869.5	864.7	863.5	852.6	838.0	830.8	828.4
167.5°	857.8	858.4	860.4	862.3	860.4	858.4	857.8	850.7	841.2	836.4	834.4
170°	857.8	857.8	857.8	857.8	857.8	857.8	857.8	850.7	841.2	836.4	836.3
172.5°	853.3	852.8	851.1	849.4	851.1	852.8	853.3	847.7	840.2	836.4	836.4
175°	847.1	847.1	847.1	847.1	847.1	847.1	847.1	843.5	838.7	836.4	837.5
177.5°	846.0	845.4	843.4	841.4	843.4	845.4	846.0	843.2	839.4	837.5	838.5
180°	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4	841.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1417.5	1424.3	1428.3	1433.8	1447.4
5°	1363.2	1389.0	1397.1	1417.5	1441.9
7.5°	1243.7	1322.4	1344.2	1393.0	1431.1
10°	1128.3	1207.0	1245.0	1360.5	1417.5
12.5°	1069.9	1116.1	1141.9	1303.4	1398.5
15°	1033.2	1065.8	1084.8	1227.4	1376.7
17.5°	1004.7	1027.8	1041.4	1152.7	1346.9
20°	987.1	997.9	1010.2	1098.4	1312.9
22.5°	974.9	968.1	977.6	1060.4	1266.8
25°	966.7	940.9	951.8	1030.5	1212.5
27.5°	973.5	916.5	920.5	1003.4	1155.4
30°	974.9	886.6	888.0	974.9	1091.6
32.5°	965.4	855.4	856.7	939.6	1019.7
35°	942.3	818.7	817.4	898.8	921.9
37.5°	911.0	779.3	779.3	854.0	814.6
40°	873.0	740.0	744.0	795.6	719.6
42.5°	826.9	697.9	703.3	718.2	649.0
45°	776.6	657.1	661.2	606.9	594.7
47.5°	721.0	615.1	616.4	503.7	577.0
50°	654.4	571.6	566.2	431.8	575.7
52.5°	596.0	524.1	507.8	391.0	522.7
55°	539.0	473.9	438.6	359.8	484.7
57.5°	488.8	408.7	374.7	323.1	476.6
60°	442.6	344.9	319.1	283.8	437.2
62.5°	404.6	297.3	291.9	256.6	396.5
65°	363.9	264.8	263.4	233.5	336.7
67.5°	324.5	243.0	241.7	211.8	256.6
70°	282.4	220.0	217.2	188.7	190.1
72.5°	239.0	194.2	191.4	169.7	157.5
75°	195.5	164.3	162.9	148.0	127.6
77.5°	153.4	130.3	133.1	119.5	93.7
80°	110.0	95.0	97.8	85.5	70.6
82.5°	73.3	62.5	65.2	54.3	47.5
85°	40.7	35.3	36.7	28.5	21.7
87.5°	19.0	16.3	16.3	10.9	6.8
90°	24.9	15.8	14.7	10.1	5.6
92.5°	153.2	109.0	99.4	61.0	22.6
95°	377.1	212.4	194.8	124.5	54.2
97.5°	507.9	233.3	217.8	155.8	93.8
100°	555.5	250.7	236.7	180.5	124.3
102.5°	577.4	268.3	255.2	202.8	150.3
105°	593.6	294.3	283.1	238.7	194.2
107.5°	596.6	332.6	322.3	280.9	239.4
110°	592.1	354.1	344.8	307.3	269.9



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CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	592.2	380.1	371.2	335.5	299.9
115°	597.7	419.0	410.8	377.9	345.0
117.5°	608.7	456.8	449.4	419.5	389.7
120°	617.9	478.9	471.9	443.8	415.6
122.5°	630.8	504.9	497.8	469.4	441.1
125°	648.4	538.2	531.8	505.9	480.0
127.5°	665.8	570.4	563.9	537.8	511.7
130°	678.7	591.9	584.8	556.8	528.6
132.5°	689.0	609.4	602.3	574.2	546.1
135°	700.3	629.7	623.3	597.7	572.1
137.5°	717.2	655.7	649.4	623.9	598.6
140°	727.6	673.2	667.4	644.0	620.7
142.5°	736.3	686.2	680.8	659.2	637.6
145°	747.6	705.9	701.2	682.4	663.6
147.5°	764.0	730.7	726.1	707.8	689.6
150°	772.7	743.8	739.6	723.0	706.5
152.5°	778.4	752.3	749.1	736.6	724.0
155°	790.8	770.8	768.5	759.2	750.0
157.5°	803.2	789.5	787.2	778.3	769.2
160°	808.9	798.0	796.3	789.2	782.1
162.5°	814.9	807.0	805.7	800.4	795.2
165°	823.6	820.0	818.8	814.0	809.3
167.5°	830.3	827.3	826.8	824.5	822.2
170°	836.0	835.8	835.3	833.0	830.8
172.5°	836.4	836.4	836.3	835.7	835.3
175°	839.7	841.4	841.4	841.4	841.4
177.5°	840.2	841.4	841.4	841.4	841.4
180°	841.4	841.4	841.4	841.4	841.4



TEST NUMBER: P935163  
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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	11.45	12.23	12.48	13.27	14.67	14.27	15.06	15.31	16.10	17.50
	3H	11.92	12.62	12.96	13.67	15.09	15.61	16.31	16.66	17.36	18.78
	4H	12.11	12.77	13.16	13.82	15.25	16.05	16.72	17.11	17.77	19.19
	6H	12.22	12.83	13.29	13.89	15.33	16.33	16.94	17.40	18.00	19.44
	8H	12.22	12.80	13.29	13.88	15.31	16.40	16.98	17.47	18.06	19.49
	12H	12.19	12.74	13.27	13.81	15.27	16.44	16.99	17.51	18.06	19.51
4H	2H	12.47	13.14	13.53	14.19	15.61	14.67	15.34	15.74	16.39	17.82
	3H	13.49	14.04	14.56	15.12	16.56	16.17	16.72	17.24	17.80	19.24
	4H	13.76	14.27	14.84	15.34	16.80	16.69	17.20	17.77	18.27	19.73
	6H	13.88	14.32	14.97	15.41	16.87	17.05	17.49	18.14	18.58	20.04
	8H	13.89	14.29	14.97	15.38	16.85	17.16	17.56	18.24	18.65	20.12
	12H	13.85	14.22	14.95	15.32	16.79	17.21	17.58	18.31	18.68	20.15
8H	4H	14.21	14.62	15.30	15.70	17.17	16.81	17.22	17.90	18.31	19.78
	6H	14.47	14.80	15.58	15.93	17.40	17.24	17.58	18.35	18.71	20.18
	8H	14.51	14.80	15.62	15.91	17.40	17.39	17.69	18.51	18.80	20.29
	12H	14.49	14.75	15.61	15.86	17.38	17.49	17.75	18.61	18.85	20.38
12H	4H	14.21	14.58	15.32	15.68	17.16	16.77	17.14	17.88	18.24	19.72
	6H	14.53	14.82	15.64	15.93	17.42	17.24	17.54	18.36	18.65	20.13
	8H	14.59	14.85	15.71	15.96	17.48	17.40	17.66	18.52	18.76	20.29