

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: P935563

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935563
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-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: -

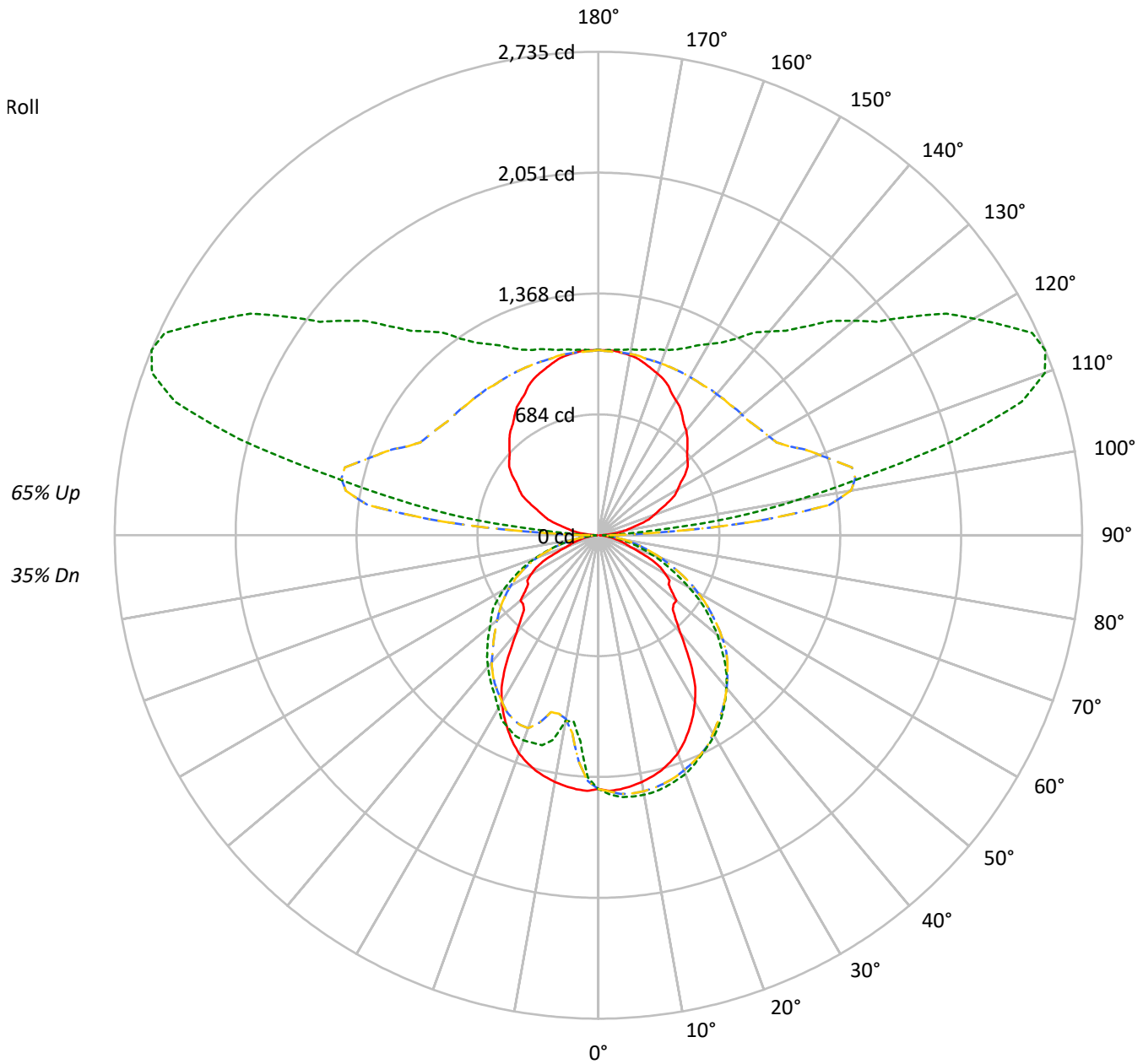
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10515.2 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: Semi-Indirect

Input Watts (W): 83.4
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-125U-075D-93050-1D-UNV-STD-W-6-4000K

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				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	0	
RCR																						
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

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	1.2
10°-20°	367.8	3.5
20°-30°	568.6	5.4
30°-40°	678.8	6.5
40°-50°	682.7	6.5
50°-60°	594.1	5.6
60°-70°	421.2	4.0
70°-80°	222.8	2.1
80°-90°	59.5	0.6
90°-100°	510.6	4.9
100°-110°	1342.3	12.8
110°-120°	1391.8	13.2
120°-130°	1116.4	10.6
130°-140°	876.0	8.3
140°-150°	672.4	6.4
150°-160°	484.2	4.6
160°-170°	296.3	2.8
170°-180°	100.1	1.0
0°-30°	1065.9	10.1
0°-40°	1744.7	16.6
0°-60°	3021.5	28.7
0°-90°	3725.0	35.4
90°-120°	3244.7	30.9
90°-150°	5909.5	56.2
90°-180°	6790.0	64.6
0°-180°	10515.2	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°	7	27	7	27	7	7
95°	68	309	68	309	68	75
105°	242	2102	242	2102	242	256
115°	430	2706	430	2706	430	424
125°	598	2155	598	2155	598	531
135°	712	1672	712	1672	712	551
145°	826	1357	826	1357	826	517
155°	934	1168	934	1168	934	429
165°	1007	1088	1007	1088	1007	284
175°	1048	1054	1048	1054	1048	99
180°	1048	1048	1048	1048	1048	



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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°	7.1	12.7	18.3	19.6	30.9	45.9	53.4	47.4	35.6	26.7	26.7
92.5°	28.2	75.9	123.7	135.7	190.7	264.1	300.9	263.7	189.4	133.6	128.3
95°	67.5	155.0	242.4	264.3	469.3	742.8	879.5	784.8	595.4	453.4	437.3
97.5°	116.7	193.8	271.0	290.3	632.2	1088.1	1316.0	1256.2	1136.5	1046.7	1016.1
100°	154.7	224.7	294.6	312.1	691.5	1197.3	1450.2	1454.6	1463.4	1469.9	1433.4
102.5°	187.0	252.3	317.6	333.9	718.7	1231.7	1488.2	1564.4	1716.9	1831.2	1800.0
105°	241.9	297.2	352.4	366.2	738.8	1235.6	1484.0	1654.9	1996.7	2253.0	2236.2
107.5°	298.1	349.6	401.2	414.0	742.6	1180.6	1399.7	1638.1	2114.8	2472.4	2476.4
110°	336.0	382.5	429.0	440.7	736.9	1131.8	1329.3	1595.8	2128.8	2528.7	2546.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	373.3	417.6	462.0	473.1	737.2	1089.3	1265.3	1538.0	2083.6	2492.7	2519.6
115°	429.5	470.4	511.4	521.6	744.0	1040.5	1188.7	1451.5	1977.1	2371.2	2408.5
117.5°	485.1	522.3	559.4	568.7	757.8	1009.9	1136.0	1373.1	1847.4	2203.2	2244.4
120°	517.4	552.4	587.4	596.1	769.0	999.6	1114.9	1331.6	1764.9	2089.9	2130.1
122.5°	549.1	584.4	619.7	628.5	785.2	994.2	1098.8	1293.9	1684.1	1976.8	2016.3
125°	597.5	629.7	661.9	669.9	807.0	989.8	1081.2	1246.9	1578.4	1827.1	1863.5
127.5°	636.9	669.4	701.9	710.0	828.9	987.3	1066.5	1208.8	1493.4	1706.9	1737.6
130°	658.0	693.0	727.9	736.7	844.7	988.7	1060.8	1187.5	1440.8	1630.9	1659.3
132.5°	679.8	714.8	749.7	758.5	857.6	989.8	1055.9	1169.3	1396.1	1566.2	1591.6
135°	712.1	744.0	775.8	783.8	871.7	988.9	1047.5	1142.4	1332.4	1474.9	1496.8
137.5°	745.1	776.7	808.3	816.2	892.8	995.0	1046.0	1126.3	1286.9	1407.3	1425.3
140°	772.6	801.6	830.7	837.9	905.6	995.9	1041.1	1110.5	1249.2	1353.2	1370.1
142.5°	793.6	820.5	847.4	854.1	916.5	999.6	1041.1	1102.0	1223.9	1315.3	1329.8
145°	826.0	849.4	872.8	878.7	930.5	999.6	1034.1	1083.9	1183.6	1258.4	1269.3
147.5°	858.4	881.2	904.0	909.7	951.1	1006.4	1034.1	1073.2	1151.7	1210.6	1219.6
150°	879.5	900.1	920.6	925.8	961.9	1010.0	1034.1	1067.2	1133.4	1183.1	1190.5
152.5°	901.2	916.8	932.5	936.4	969.0	1012.3	1034.1	1062.3	1118.9	1161.3	1166.8
155°	933.6	945.2	956.7	959.6	984.4	1017.5	1034.1	1056.6	1101.6	1135.3	1139.1
157.5°	957.5	968.7	979.9	982.7	999.8	1022.7	1034.1	1051.5	1086.6	1112.8	1115.3
160°	973.6	982.4	991.2	993.3	1006.9	1025.0	1034.1	1049.1	1079.0	1101.6	1103.0
162.5°	989.8	996.3	1002.9	1004.5	1014.4	1027.5	1034.1	1046.7	1072.0	1091.0	1092.4
165°	1007.4	1013.3	1019.3	1020.8	1025.2	1031.1	1034.1	1043.1	1061.3	1074.9	1076.3
167.5°	1023.6	1026.4	1029.2	1029.9	1033.6	1038.6	1041.1	1047.1	1058.9	1067.8	1068.5
170°	1034.1	1036.9	1039.7	1040.4	1040.7	1040.9	1041.1	1047.1	1058.9	1067.8	1067.8
172.5°	1039.7	1040.3	1040.9	1041.1	1041.1	1041.1	1041.1	1045.8	1055.1	1062.2	1061.7
175°	1047.5	1047.5	1047.5	1047.5	1045.4	1042.6	1041.1	1044.1	1050.1	1054.5	1054.5
177.5°	1047.5	1047.5	1047.5	1047.5	1045.8	1043.6	1042.5	1044.8	1049.5	1053.1	1052.4
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



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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°	26.7	26.7	26.7	26.7	26.7	35.6	47.4	53.4	45.9	30.9	19.6
92.5°	107.0	85.7	107.0	128.3	133.6	189.4	263.7	300.9	264.1	190.7	135.7
95°	372.9	308.6	372.9	437.3	453.4	595.4	784.8	879.5	742.8	469.3	264.3
97.5°	893.7	771.2	893.7	1016.1	1046.7	1136.5	1256.2	1316.0	1088.1	632.2	290.3
100°	1287.6	1141.7	1287.6	1433.4	1469.9	1463.4	1454.6	1450.2	1197.3	691.5	312.1
102.5°	1675.0	1550.1	1675.0	1800.0	1831.2	1716.9	1564.4	1488.2	1231.7	718.7	333.9
105°	2169.0	2101.9	2169.0	2236.2	2253.0	1996.7	1654.9	1484.0	1235.6	738.8	366.2
107.5°	2492.6	2508.9	2492.6	2476.4	2472.4	2114.8	1638.1	1399.7	1180.6	742.6	414.0
110°	2616.1	2686.1	2616.1	2546.1	2528.7	2128.8	1595.8	1329.3	1131.8	736.9	440.7



TEST NUMBER: P935563

CATALOG NUMBER: SQ4-FA-125U-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°	2627.0	2734.6	2627.0	2519.6	2492.7	2083.6	1538.0	1265.3	1089.3	737.2	473.1
115°	2557.4	2706.4	2557.4	2408.5	2371.2	1977.1	1451.5	1188.7	1040.5	744.0	521.6
117.5°	2409.7	2575.0	2409.7	2244.4	2203.2	1847.4	1373.1	1136.0	1009.9	757.8	568.7
120°	2290.7	2451.3	2290.7	2130.1	2089.9	1764.9	1331.6	1114.9	999.6	769.0	596.1
122.5°	2174.7	2333.1	2174.7	2016.3	1976.8	1684.1	1293.9	1098.8	994.2	785.2	628.5
125°	2009.5	2155.4	2009.5	1863.5	1827.1	1578.4	1246.9	1081.2	989.8	807.0	669.9
127.5°	1860.7	1983.8	1860.7	1737.6	1706.9	1493.4	1208.8	1066.5	987.3	828.9	710.0
130°	1773.1	1886.8	1773.1	1659.3	1630.9	1440.8	1187.5	1060.8	988.7	844.7	736.7
132.5°	1693.6	1795.4	1693.6	1591.6	1566.2	1396.1	1169.3	1055.9	989.8	857.6	758.5
135°	1584.6	1672.4	1584.6	1496.8	1474.9	1332.4	1142.4	1047.5	988.9	871.7	783.8
137.5°	1497.1	1569.0	1497.1	1425.3	1407.3	1286.9	1126.3	1046.0	995.0	892.8	816.2
140°	1437.2	1504.4	1437.2	1370.1	1353.2	1249.2	1110.5	1041.1	995.9	905.6	837.9
142.5°	1387.5	1445.4	1387.5	1329.8	1315.3	1223.9	1102.0	1041.1	999.6	916.5	854.1
145°	1313.0	1356.7	1313.0	1269.3	1258.4	1183.6	1083.9	1034.1	999.6	930.5	878.7
147.5°	1255.9	1292.1	1255.9	1219.6	1210.6	1151.7	1073.2	1034.1	1006.4	951.1	909.7
150°	1219.9	1249.2	1219.9	1190.5	1183.1	1133.4	1067.2	1034.1	1010.0	961.9	925.8
152.5°	1189.0	1211.2	1189.0	1166.8	1161.3	1118.9	1062.3	1034.1	1012.3	969.0	936.4
155°	1153.7	1168.4	1153.7	1139.1	1135.3	1101.6	1056.6	1034.1	1017.5	984.4	959.6
157.5°	1125.7	1136.0	1125.7	1115.3	1112.8	1086.6	1051.5	1034.1	1022.7	999.8	982.7
160°	1109.0	1114.9	1109.0	1103.0	1101.6	1079.0	1049.1	1034.1	1025.0	1006.9	993.3
162.5°	1098.1	1103.7	1098.1	1092.4	1091.0	1072.0	1046.7	1034.1	1027.5	1014.4	1004.5
165°	1082.3	1088.2	1082.3	1076.3	1074.9	1061.3	1043.1	1034.1	1031.1	1025.2	1020.8
167.5°	1070.9	1073.4	1070.9	1068.5	1067.8	1058.9	1047.1	1041.1	1038.6	1033.6	1029.9
170°	1067.8	1067.8	1067.8	1067.8	1067.8	1058.9	1047.1	1041.1	1040.9	1040.7	1040.4
172.5°	1059.5	1057.3	1059.5	1061.7	1062.2	1055.1	1045.8	1041.1	1041.1	1041.1	1041.1
175°	1054.5	1054.5	1054.5	1054.5	1054.5	1050.1	1044.1	1041.1	1042.6	1045.4	1047.5
177.5°	1050.0	1047.5	1050.0	1052.4	1053.1	1049.5	1044.8	1042.5	1043.6	1045.8	1047.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



TEST NUMBER: P935563

CATALOG NUMBER: SQ4-FA-125U-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°	18.3	12.7	7.1	12.7	18.3	19.6	30.9	45.9	53.4	47.4	35.6
92.5°	123.7	75.9	28.2	75.9	123.7	135.7	190.7	264.1	300.9	263.7	189.4
95°	242.4	155.0	67.5	155.0	242.4	264.3	469.3	742.8	879.5	784.8	595.4
97.5°	271.0	193.8	116.7	193.8	271.0	290.3	632.2	1088.1	1316.0	1256.2	1136.5
100°	294.6	224.7	154.7	224.7	294.6	312.1	691.5	1197.3	1450.2	1454.6	1463.4
102.5°	317.6	252.3	187.0	252.3	317.6	333.9	718.7	1231.7	1488.2	1564.4	1716.9
105°	352.4	297.2	241.9	297.2	352.4	366.2	738.8	1235.6	1484.0	1654.9	1996.7
107.5°	401.2	349.6	298.1	349.6	401.2	414.0	742.6	1180.6	1399.7	1638.1	2114.8
110°	429.0	382.5	336.0	382.5	429.0	440.7	736.9	1131.8	1329.3	1595.8	2128.8



TEST NUMBER: P935563

CATALOG NUMBER: SQ4-FA-125U-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°	462.0	417.6	373.3	417.6	462.0	473.1	737.2	1089.3	1265.3	1538.0	2083.6
115°	511.4	470.4	429.5	470.4	511.4	521.6	744.0	1040.5	1188.7	1451.5	1977.1
117.5°	559.4	522.3	485.1	522.3	559.4	568.7	757.8	1009.9	1136.0	1373.1	1847.4
120°	587.4	552.4	517.4	552.4	587.4	596.1	769.0	999.6	1114.9	1331.6	1764.9
122.5°	619.7	584.4	549.1	584.4	619.7	628.5	785.2	994.2	1098.8	1293.9	1684.1
125°	661.9	629.7	597.5	629.7	661.9	669.9	807.0	989.8	1081.2	1246.9	1578.4
127.5°	701.9	669.4	636.9	669.4	701.9	710.0	828.9	987.3	1066.5	1208.8	1493.4
130°	727.9	693.0	658.0	693.0	727.9	736.7	844.7	988.7	1060.8	1187.5	1440.8
132.5°	749.7	714.8	679.8	714.8	749.7	758.5	857.6	989.8	1055.9	1169.3	1396.1
135°	775.8	744.0	712.1	744.0	775.8	783.8	871.7	988.9	1047.5	1142.4	1332.4
137.5°	808.3	776.7	745.1	776.7	808.3	816.2	892.8	995.0	1046.0	1126.3	1286.9
140°	830.7	801.6	772.6	801.6	830.7	837.9	905.6	995.9	1041.1	1110.5	1249.2
142.5°	847.4	820.5	793.6	820.5	847.4	854.1	916.5	999.6	1041.1	1102.0	1223.9
145°	872.8	849.4	826.0	849.4	872.8	878.7	930.5	999.6	1034.1	1083.9	1183.6
147.5°	904.0	881.2	858.4	881.2	904.0	909.7	951.1	1006.4	1034.1	1073.2	1151.7
150°	920.6	900.1	879.5	900.1	920.6	925.8	961.9	1010.0	1034.1	1067.2	1133.4
152.5°	932.5	916.8	901.2	916.8	932.5	936.4	969.0	1012.3	1034.1	1062.3	1118.9
155°	956.7	945.2	933.6	945.2	956.7	959.6	984.4	1017.5	1034.1	1056.6	1101.6
157.5°	979.9	968.7	957.5	968.7	979.9	982.7	999.8	1022.7	1034.1	1051.5	1086.6
160°	991.2	982.4	973.6	982.4	991.2	993.3	1006.9	1025.0	1034.1	1049.1	1079.0
162.5°	1002.9	996.3	989.8	996.3	1002.9	1004.5	1014.4	1027.5	1034.1	1046.7	1072.0
165°	1019.3	1013.3	1007.4	1013.3	1019.3	1020.8	1025.2	1031.1	1034.1	1043.1	1061.3
167.5°	1029.2	1026.4	1023.6	1026.4	1029.2	1029.9	1033.6	1038.6	1041.1	1047.1	1058.9
170°	1039.7	1036.9	1034.1	1036.9	1039.7	1040.4	1040.7	1040.9	1041.1	1047.1	1058.9
172.5°	1040.9	1040.3	1039.7	1040.3	1040.9	1041.1	1041.1	1041.1	1041.1	1045.8	1055.1
175°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1045.4	1042.6	1041.1	1044.1	1050.1
177.5°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1045.8	1043.6	1042.5	1044.8	1049.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



TEST NUMBER: P935563

CATALOG NUMBER: SQ4-FA-125U-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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	35.6	47.4	53.4	45.9
92.5°	133.6	128.3	107.0	85.7	107.0	128.3	133.6	189.4	263.7	300.9	264.1
95°	453.4	437.3	372.9	308.6	372.9	437.3	453.4	595.4	784.8	879.5	742.8
97.5°	1046.7	1016.1	893.7	771.2	893.7	1016.1	1046.7	1136.5	1256.2	1316.0	1088.1
100°	1469.9	1433.4	1287.6	1141.7	1287.6	1433.4	1469.9	1463.4	1454.6	1450.2	1197.3
102.5°	1831.2	1800.0	1675.0	1550.1	1675.0	1800.0	1831.2	1716.9	1564.4	1488.2	1231.7
105°	2253.0	2236.2	2169.0	2101.9	2169.0	2236.2	2253.0	1996.7	1654.9	1484.0	1235.6
107.5°	2472.4	2476.4	2492.6	2508.9	2492.6	2476.4	2472.4	2114.8	1638.1	1399.7	1180.6
110°	2528.7	2546.1	2616.1	2686.1	2616.1	2546.1	2528.7	2128.8	1595.8	1329.3	1131.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2492.7	2519.6	2627.0	2734.6	2627.0	2519.6	2492.7	2083.6	1538.0	1265.3	1089.3
115°	2371.2	2408.5	2557.4	2706.4	2557.4	2408.5	2371.2	1977.1	1451.5	1188.7	1040.5
117.5°	2203.2	2244.4	2409.7	2575.0	2409.7	2244.4	2203.2	1847.4	1373.1	1136.0	1009.9
120°	2089.9	2130.1	2290.7	2451.3	2290.7	2130.1	2089.9	1764.9	1331.6	1114.9	999.6
122.5°	1976.8	2016.3	2174.7	2333.1	2174.7	2016.3	1976.8	1684.1	1293.9	1098.8	994.2
125°	1827.1	1863.5	2009.5	2155.4	2009.5	1863.5	1827.1	1578.4	1246.9	1081.2	989.8
127.5°	1706.9	1737.6	1860.7	1983.8	1860.7	1737.6	1706.9	1493.4	1208.8	1066.5	987.3
130°	1630.9	1659.3	1773.1	1886.8	1773.1	1659.3	1630.9	1440.8	1187.5	1060.8	988.7
132.5°	1566.2	1591.6	1693.6	1795.4	1693.6	1591.6	1566.2	1396.1	1169.3	1055.9	989.8
135°	1474.9	1496.8	1584.6	1672.4	1584.6	1496.8	1474.9	1332.4	1142.4	1047.5	988.9
137.5°	1407.3	1425.3	1497.1	1569.0	1497.1	1425.3	1407.3	1286.9	1126.3	1046.0	995.0
140°	1353.2	1370.1	1437.2	1504.4	1437.2	1370.1	1353.2	1249.2	1110.5	1041.1	995.9
142.5°	1315.3	1329.8	1387.5	1445.4	1387.5	1329.8	1315.3	1223.9	1102.0	1041.1	999.6
145°	1258.4	1269.3	1313.0	1356.7	1313.0	1269.3	1258.4	1183.6	1083.9	1034.1	999.6
147.5°	1210.6	1219.6	1255.9	1292.1	1255.9	1219.6	1210.6	1151.7	1073.2	1034.1	1006.4
150°	1183.1	1190.5	1219.9	1249.2	1219.9	1190.5	1183.1	1133.4	1067.2	1034.1	1010.0
152.5°	1161.3	1166.8	1189.0	1211.2	1189.0	1166.8	1161.3	1118.9	1062.3	1034.1	1012.3
155°	1135.3	1139.1	1153.7	1168.4	1153.7	1139.1	1135.3	1101.6	1056.6	1034.1	1017.5
157.5°	1112.8	1115.3	1125.7	1136.0	1125.7	1115.3	1112.8	1086.6	1051.5	1034.1	1022.7
160°	1101.6	1103.0	1109.0	1114.9	1109.0	1103.0	1101.6	1079.0	1049.1	1034.1	1025.0
162.5°	1091.0	1092.4	1098.1	1103.7	1098.1	1092.4	1091.0	1072.0	1046.7	1034.1	1027.5
165°	1074.9	1076.3	1082.3	1088.2	1082.3	1076.3	1074.9	1061.3	1043.1	1034.1	1031.1
167.5°	1067.8	1068.5	1070.9	1073.4	1070.9	1068.5	1067.8	1058.9	1047.1	1041.1	1038.6
170°	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1058.9	1047.1	1041.1	1040.9
172.5°	1062.2	1061.7	1059.5	1057.3	1059.5	1061.7	1062.2	1055.1	1045.8	1041.1	1041.1
175°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1050.1	1044.1	1041.1	1042.6
177.5°	1053.1	1052.4	1050.0	1047.5	1050.0	1052.4	1053.1	1049.5	1044.8	1042.5	1043.6
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



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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°	30.9	19.6	18.3	12.7	7.1
92.5°	190.7	135.7	123.7	75.9	28.2
95°	469.3	264.3	242.4	155.0	67.5
97.5°	632.2	290.3	271.0	193.8	116.7
100°	691.5	312.1	294.6	224.7	154.7
102.5°	718.7	333.9	317.6	252.3	187.0
105°	738.8	366.2	352.4	297.2	241.9
107.5°	742.6	414.0	401.2	349.6	298.1
110°	736.9	440.7	429.0	382.5	336.0



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CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	737.2	473.1	462.0	417.6	373.3
115°	744.0	521.6	511.4	470.4	429.5
117.5°	757.8	568.7	559.4	522.3	485.1
120°	769.0	596.1	587.4	552.4	517.4
122.5°	785.2	628.5	619.7	584.4	549.1
125°	807.0	669.9	661.9	629.7	597.5
127.5°	828.9	710.0	701.9	669.4	636.9
130°	844.7	736.7	727.9	693.0	658.0
132.5°	857.6	758.5	749.7	714.8	679.8
135°	871.7	783.8	775.8	744.0	712.1
137.5°	892.8	816.2	808.3	776.7	745.1
140°	905.6	837.9	830.7	801.6	772.6
142.5°	916.5	854.1	847.4	820.5	793.6
145°	930.5	878.7	872.8	849.4	826.0
147.5°	951.1	909.7	904.0	881.2	858.4
150°	961.9	925.8	920.6	900.1	879.5
152.5°	969.0	936.4	932.5	916.8	901.2
155°	984.4	959.6	956.7	945.2	933.6
157.5°	999.8	982.7	979.9	968.7	957.5
160°	1006.9	993.3	991.2	982.4	973.6
162.5°	1014.4	1004.5	1002.9	996.3	989.8
165°	1025.2	1020.8	1019.3	1013.3	1007.4
167.5°	1033.6	1029.9	1029.2	1026.4	1023.6
170°	1040.7	1040.4	1039.7	1036.9	1034.1
172.5°	1041.1	1041.1	1040.9	1040.3	1039.7
175°	1045.4	1047.5	1047.5	1047.5	1047.5
177.5°	1045.8	1047.5	1047.5	1047.5	1047.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5



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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	10.87	11.61	11.94	12.68	14.15	13.69	14.44	14.76	15.51	16.97
	3H	11.33	12.00	12.42	13.08	14.57	15.03	15.69	16.11	16.78	18.26
	4H	11.52	12.15	12.61	13.24	14.73	15.46	16.10	16.56	17.18	18.67
	6H	11.63	12.21	12.74	13.30	14.80	15.74	16.32	16.84	17.41	18.91
	8H	11.63	12.18	12.74	13.29	14.78	15.81	16.36	16.92	17.47	18.96
	12H	11.60	12.12	12.71	13.22	14.74	15.85	16.37	16.96	17.47	18.99
4H	2H	11.88	12.52	12.98	13.60	15.09	14.09	14.72	15.19	15.80	17.29
	3H	12.90	13.43	14.01	14.54	16.04	15.58	16.11	16.69	17.22	18.72
	4H	13.17	13.65	14.28	14.75	16.28	16.10	16.58	17.21	17.69	19.21
	6H	13.29	13.70	14.41	14.83	16.34	16.46	16.87	17.58	18.00	19.51
	8H	13.29	13.68	14.41	14.79	16.33	16.56	16.95	17.68	18.06	19.60
	12H	13.25	13.60	14.39	14.73	16.27	16.61	16.96	17.75	18.09	19.63
8H	4H	13.61	14.00	14.73	15.12	16.65	16.22	16.60	17.34	17.72	19.25
	6H	13.87	14.19	15.01	15.35	16.88	16.65	16.97	17.79	18.12	19.65
	8H	13.91	14.19	15.06	15.33	16.88	16.80	17.08	17.94	18.21	19.76
	12H	13.89	14.14	15.04	15.27	16.86	16.89	17.13	18.04	18.27	19.85
12H	4H	13.61	13.96	14.75	15.09	16.63	16.18	16.53	17.31	17.65	19.19
	6H	13.93	14.21	15.08	15.35	16.90	16.64	16.92	17.79	18.06	19.61
	8H	13.99	14.24	15.14	15.37	16.96	16.80	17.04	17.95	18.18	19.76