

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: P935939

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935939
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

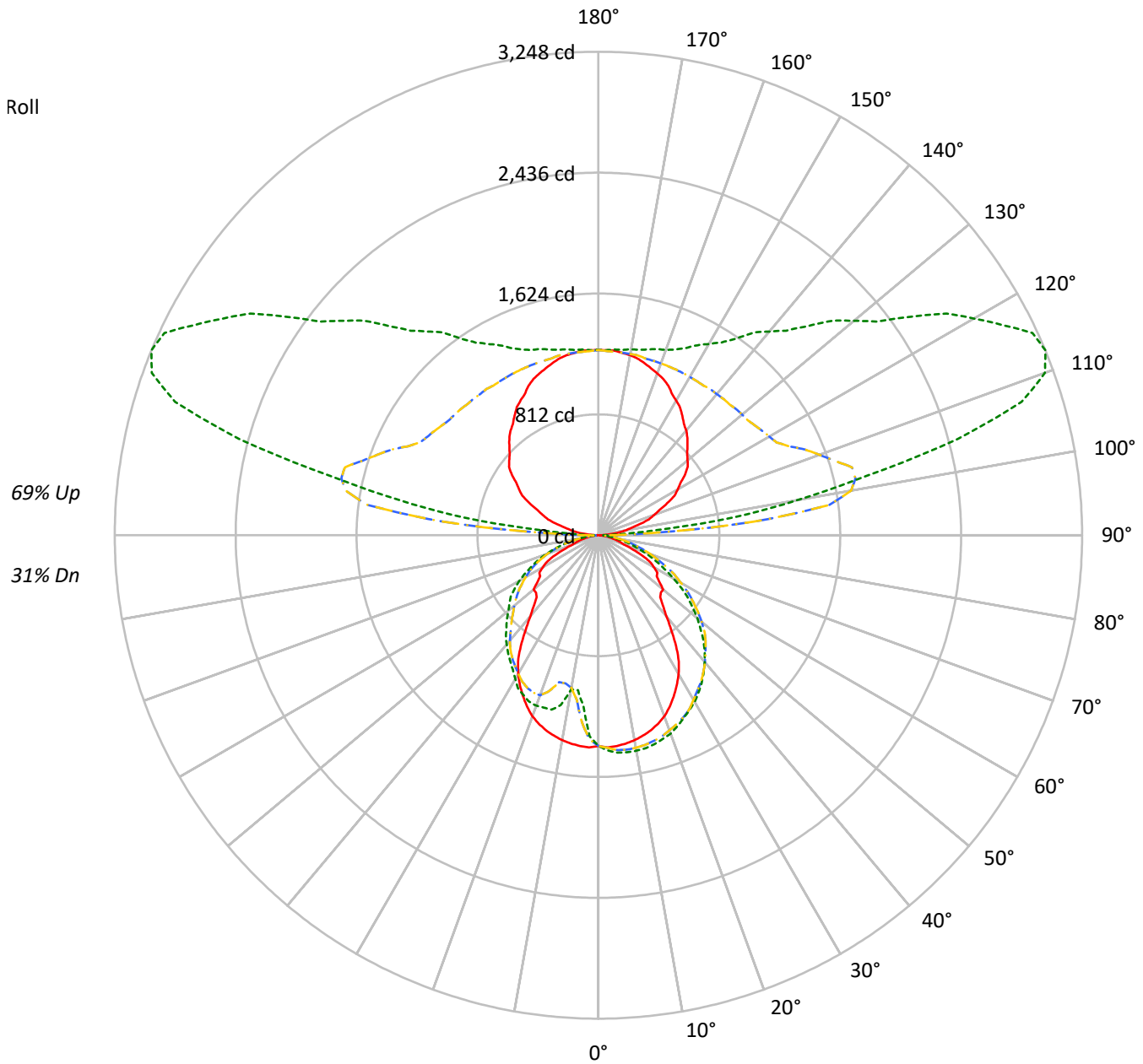
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11740.6 lumens
Efficiency: N/A
Efficacy: 123.1 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): 95.4
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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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	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8755	8755	8755	8755
5°	8817	8838	8817	6949
10°	8755	8705	8755	6224
15°	8657	8517	8657	7112
20°	8472	8293	8472	7127
25°	8099	7968	8099	6976
30°	7616	7697	7616	6644
35°	6786	7355	6786	6280
40°	5651	6952	5651	6005
45°	5047	6481	5047	5688
50°	5357	5918	5357	5370
55°	5035	5312	5035	5186
60°	5184	4511	5184	4750
65°	4693	3730	4693	4169
70°	3243	2972	3243	3494
75°	2833	2197	2833	2631
80°	2265	1452	2265	1581
85°	1276	770	1276	654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7740 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	1.1
10°-20°	362.7	3.1
20°-30°	560.7	4.8
30°-40°	669.4	5.7
40°-50°	673.3	5.7
50°-60°	585.8	5.0
60°-70°	415.4	3.5
70°-80°	219.7	1.9
80°-90°	59.5	0.5
90°-100°	606.5	5.2
100°-110°	1594.6	13.6
110°-120°	1653.4	14.1
120°-130°	1326.3	11.3
130°-140°	1040.6	8.9
140°-150°	798.7	6.8
150°-160°	575.2	4.9
160°-170°	352.0	3.0
170°-180°	118.9	1.0
0°-30°	1051.2	9.0
0°-40°	1720.5	14.7
0°-60°	2979.6	25.4
0°-90°	3674.3	31.3
90°-120°	3854.6	32.8
90°-150°	7020.2	59.8
90°-180°	8066.0	68.7
0°-180°	11740.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1415	1415	1415	1415	1415	
5°	1422	1466	1422	1153	1422	135
15°	1358	1453	1358	1213	1358	382
25°	1196	1355	1196	1186	1196	549
35°	909	1209	909	1032	909	562
45°	586	996	586	874	586	470
55°	478	735	478	718	478	439
65°	332	443	332	495	332	317
75°	126	210	126	252	126	132
85°	21	54	21	46	21	29
90°	8	32	8	32	8	8
95°	80	367	80	367	80	89
105°	287	2497	287	2497	287	305
115°	510	3215	510	3215	510	504
125°	710	2560	710	2560	710	630
135°	846	1987	846	1987	846	655
145°	981	1612	981	1612	981	615
155°	1109	1388	1109	1388	1109	510
165°	1197	1293	1197	1293	1197	338
175°	1244	1253	1244	1253	1244	118
180°	1244	1244	1244	1244	1244	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1427.3	1427.3	1435.3	1438.0	1438.0	1434.0	1430.0	1434.0	1446.0	1450.1	1448.7
5°	1421.9	1432.7	1447.4	1450.1	1452.7	1451.4	1448.7	1451.4	1464.8	1467.5	1468.8
7.5°	1411.2	1431.3	1450.1	1454.1	1458.1	1454.1	1452.7	1455.4	1468.8	1471.5	1471.5
10°	1397.8	1426.0	1447.4	1450.1	1454.1	1450.1	1450.1	1455.4	1468.8	1471.5	1472.8
12.5°	1379.1	1417.9	1438.0	1440.7	1446.0	1444.7	1443.4	1448.7	1462.1	1464.8	1464.8
15°	1357.7	1403.2	1421.9	1424.6	1434.0	1431.3	1431.3	1436.7	1451.4	1455.4	1454.1
17.5°	1328.2	1384.5	1405.9	1409.9	1416.6	1415.2	1416.6	1421.9	1435.3	1438.0	1439.3
20°	1294.7	1359.0	1384.5	1388.5	1395.2	1395.2	1395.2	1401.9	1415.2	1420.6	1420.6
22.5°	1249.2	1332.2	1359.0	1361.7	1369.7	1369.7	1372.4	1381.8	1393.8	1395.2	1395.2
25°	1195.7	1302.8	1325.5	1333.6	1341.6	1345.6	1349.6	1355.0	1359.0	1357.7	1359.0
27.5°	1139.4	1265.3	1294.7	1300.1	1310.8	1314.8	1320.2	1321.5	1322.9	1326.9	1324.2
30°	1076.5	1213.1	1257.3	1262.6	1280.0	1282.7	1277.3	1280.0	1286.7	1289.4	1292.1
32.5°	1005.5	1135.4	1218.4	1230.5	1246.5	1238.5	1237.2	1241.2	1251.9	1251.9	1254.6
35°	909.1	1075.2	1182.3	1193.0	1205.0	1195.7	1201.0	1202.4	1209.1	1213.1	1211.7
37.5°	803.4	1022.9	1144.8	1152.8	1162.2	1150.1	1158.2	1162.2	1167.5	1164.9	1164.9
40°	709.6	941.3	1100.6	1106.0	1114.0	1104.6	1112.7	1115.3	1118.0	1115.3	1114.0
42.5°	640.0	851.6	1053.7	1060.4	1055.1	1061.8	1064.4	1069.8	1065.8	1060.4	1060.4
45°	586.5	827.5	1002.9	1010.9	1002.9	1013.6	1017.6	1017.6	1005.5	1002.9	1001.5
47.5°	569.0	779.3	952.0	952.0	948.0	961.4	968.0	958.7	946.6	942.6	942.6
50°	567.7	725.7	882.4	877.0	895.7	911.8	905.1	895.7	886.4	871.6	871.6
52.5°	515.5	660.1	792.6	812.7	842.2	851.6	840.8	831.5	815.4	808.7	803.4
55°	478.0	591.8	711.0	751.1	781.9	794.0	773.9	764.5	740.4	736.4	733.7
57.5°	470.0	492.7	636.0	686.9	724.4	723.0	711.0	693.6	673.5	669.5	668.1
60°	431.1	356.2	555.7	615.9	654.7	650.7	640.0	623.9	605.2	602.5	599.8
62.5°	391.0	258.4	464.6	532.9	587.8	586.5	577.1	553.0	539.6	532.9	527.5
65°	332.1	216.9	330.7	443.2	522.2	524.9	504.8	487.4	472.6	464.6	463.3
67.5°	253.1	176.7	223.6	369.5	459.3	456.6	431.1	423.1	404.4	400.3	392.3
70°	187.5	117.8	155.3	299.9	397.7	391.0	370.9	361.5	344.1	334.7	329.4
72.5°	155.3	95.1	113.8	233.0	334.7	326.7	309.3	298.6	283.9	275.8	270.5
75°	125.9	100.4	87.0	172.7	271.8	266.4	250.4	239.7	227.6	216.9	218.2
77.5°	92.4	93.7	69.6	127.2	215.6	207.5	198.2	184.8	179.4	168.7	168.7
80°	69.6	73.6	52.2	87.0	155.3	155.3	147.3	137.9	128.5	123.2	123.2
82.5°	46.9	46.9	38.8	54.9	105.8	101.8	96.4	93.7	88.4	85.7	85.7
85°	21.4	26.8	24.1	33.5	57.6	60.3	60.3	57.6	56.2	53.6	54.9
87.5°	6.7	12.1	14.7	18.7	29.5	30.8	32.1	32.1	32.1	33.5	33.5
90°	8.4	15.1	21.7	23.4	36.8	54.5	63.5	56.4	42.3	31.8	31.8
92.5°	33.4	90.2	147.0	161.2	226.6	313.8	357.4	313.2	224.9	158.7	152.4
95°	80.2	184.1	288.0	314.0	557.6	882.4	1044.7	932.3	707.3	538.6	519.5
97.5°	138.6	230.3	322.0	344.9	751.1	1292.6	1563.3	1492.3	1350.1	1243.5	1207.1
100°	183.7	266.9	350.0	370.8	821.5	1422.4	1722.8	1728.0	1738.5	1746.2	1702.9
102.5°	222.2	299.7	377.3	396.7	853.8	1463.2	1767.9	1858.4	2039.5	2175.4	2138.3
105°	287.2	352.9	418.6	435.1	877.7	1467.8	1762.9	1965.9	2372.0	2676.5	2656.5
107.5°	354.1	415.3	476.6	491.8	882.1	1402.5	1662.7	1945.9	2512.3	2937.1	2941.9
110°	399.2	454.5	509.8	523.6	875.5	1344.6	1579.1	1895.7	2529.0	3003.8	3024.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	443.5	496.1	548.8	562.0	875.7	1294.0	1503.2	1827.2	2475.2	2961.3	2993.2
115°	510.2	558.9	607.5	619.7	883.8	1236.0	1412.1	1724.3	2348.6	2816.8	2861.0
117.5°	576.2	620.4	664.6	675.6	900.3	1199.8	1349.6	1631.3	2194.6	2617.2	2666.3
120°	614.7	656.3	697.9	708.2	913.6	1187.5	1324.5	1581.9	2096.7	2482.7	2530.4
122.5°	652.2	694.2	736.1	746.6	932.8	1181.1	1305.3	1537.1	2000.6	2348.3	2395.3
125°	709.8	748.0	786.3	795.9	958.7	1175.8	1284.4	1481.3	1875.0	2170.4	2213.7
127.5°	756.6	795.1	833.8	843.4	984.6	1172.7	1266.8	1435.9	1774.0	2027.6	2064.2
130°	781.7	823.3	864.9	875.2	1003.6	1174.7	1260.2	1410.7	1711.7	1937.4	1971.2
132.5°	807.6	849.1	890.7	901.1	1018.8	1175.8	1254.3	1389.0	1658.5	1860.6	1890.8
135°	845.9	883.8	921.7	931.2	1035.5	1174.7	1244.3	1357.1	1582.8	1752.0	1778.1
137.5°	885.2	922.7	960.2	969.6	1060.6	1181.9	1242.6	1338.0	1528.8	1671.9	1693.2
140°	917.8	952.3	986.8	995.4	1075.9	1183.2	1236.8	1319.2	1484.0	1607.6	1627.5
142.5°	942.8	974.7	1006.7	1014.6	1088.7	1187.5	1236.8	1309.2	1453.9	1562.4	1579.6
145°	981.3	1009.1	1037.0	1043.9	1105.4	1187.5	1228.4	1287.6	1406.1	1494.9	1507.8
147.5°	1019.6	1046.8	1073.8	1080.6	1129.9	1195.6	1228.4	1275.0	1368.1	1438.0	1448.8
150°	1044.7	1069.2	1093.6	1099.8	1142.6	1199.9	1228.4	1267.8	1346.4	1405.4	1414.2
152.5°	1070.6	1089.2	1107.7	1112.4	1151.0	1202.6	1228.4	1262.0	1329.2	1379.5	1386.1
155°	1109.0	1122.7	1136.5	1139.9	1169.4	1208.8	1228.4	1255.1	1308.6	1348.7	1353.0
157.5°	1137.4	1150.8	1164.2	1167.5	1187.8	1214.9	1228.4	1249.2	1290.8	1322.0	1325.0
160°	1156.7	1167.0	1177.4	1180.0	1196.1	1217.6	1228.4	1246.3	1281.9	1308.6	1310.4
162.5°	1175.8	1183.6	1191.4	1193.3	1205.0	1220.7	1228.4	1243.4	1273.5	1296.1	1297.8
165°	1196.7	1203.8	1210.7	1212.5	1217.8	1224.9	1228.4	1239.2	1260.7	1276.9	1278.7
167.5°	1215.9	1219.2	1222.6	1223.4	1227.9	1233.9	1236.8	1243.9	1258.0	1268.5	1269.2
170°	1228.4	1231.7	1235.1	1235.9	1236.2	1236.6	1236.8	1243.9	1258.0	1268.5	1268.5
172.5°	1235.1	1235.8	1236.6	1236.8	1236.8	1236.8	1236.8	1242.3	1253.5	1261.8	1261.2
175°	1244.3	1244.3	1244.3	1244.3	1241.8	1238.5	1236.8	1240.3	1247.3	1252.6	1252.6
177.5°	1244.3	1244.3	1244.3	1244.3	1242.3	1239.8	1238.4	1241.2	1246.8	1251.0	1250.3
180°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1451.4	1447.4	1451.4	1448.7	1450.1	1446.0	1434.0	1430.0	1434.0	1438.0	1438.0
5°	1468.8	1466.1	1468.8	1468.8	1467.5	1464.8	1451.4	1448.7	1451.4	1452.7	1450.1
7.5°	1474.2	1470.1	1474.2	1471.5	1471.5	1468.8	1455.4	1452.7	1454.1	1458.1	1454.1
10°	1474.2	1470.1	1474.2	1472.8	1471.5	1468.8	1455.4	1450.1	1450.1	1454.1	1450.1
12.5°	1467.5	1464.8	1467.5	1464.8	1464.8	1462.1	1448.7	1443.4	1444.7	1446.0	1440.7
15°	1456.8	1452.7	1456.8	1454.1	1455.4	1451.4	1436.7	1431.3	1431.3	1434.0	1424.6
17.5°	1440.7	1435.3	1440.7	1439.3	1438.0	1435.3	1421.9	1416.6	1415.2	1416.6	1409.9
20°	1421.9	1417.9	1421.9	1420.6	1420.6	1415.2	1401.9	1395.2	1395.2	1395.2	1388.5
22.5°	1392.5	1388.5	1392.5	1395.2	1395.2	1393.8	1381.8	1372.4	1369.7	1369.7	1361.7
25°	1359.0	1355.0	1359.0	1359.0	1357.7	1359.0	1355.0	1349.6	1345.6	1341.6	1333.6
27.5°	1326.9	1324.2	1326.9	1324.2	1326.9	1322.9	1321.5	1320.2	1314.8	1310.8	1300.1
30°	1294.7	1292.1	1294.7	1292.1	1289.4	1286.7	1280.0	1277.3	1282.7	1280.0	1262.6
32.5°	1254.6	1251.9	1254.6	1254.6	1251.9	1251.9	1241.2	1237.2	1238.5	1246.5	1230.5
35°	1213.1	1209.1	1213.1	1211.7	1213.1	1209.1	1202.4	1201.0	1195.7	1205.0	1193.0
37.5°	1164.9	1160.9	1164.9	1164.9	1164.9	1167.5	1162.2	1158.2	1150.1	1162.2	1152.8
40°	1115.3	1110.0	1115.3	1114.0	1115.3	1118.0	1115.3	1112.7	1104.6	1114.0	1106.0
42.5°	1059.1	1057.8	1059.1	1060.4	1060.4	1065.8	1069.8	1064.4	1061.8	1055.1	1060.4
45°	998.8	996.2	998.8	1001.5	1002.9	1005.5	1017.6	1017.6	1013.6	1002.9	1010.9
47.5°	934.6	927.9	934.6	942.6	942.6	946.6	958.7	968.0	961.4	948.0	952.0
50°	866.3	867.6	866.3	871.6	871.6	886.4	895.7	905.1	911.8	895.7	877.0
52.5°	799.3	798.0	799.3	803.4	808.7	815.4	831.5	840.8	851.6	842.2	812.7
55°	732.4	735.1	732.4	733.7	736.4	740.4	764.5	773.9	794.0	781.9	751.1
57.5°	665.4	661.4	665.4	668.1	669.5	673.5	693.6	711.0	723.0	724.4	686.9
60°	587.8	582.4	587.8	599.8	602.5	605.2	623.9	640.0	650.7	654.7	615.9
62.5°	519.5	510.1	519.5	527.5	532.9	539.6	553.0	577.1	586.5	587.8	532.9
65°	447.2	443.2	447.2	463.3	464.6	472.6	487.4	504.8	524.9	522.2	443.2
67.5°	381.6	381.6	381.6	392.3	400.3	404.4	423.1	431.1	456.6	459.3	369.5
70°	321.3	320.0	321.3	329.4	334.7	344.1	361.5	370.9	391.0	397.7	299.9
72.5°	263.8	262.4	263.8	270.5	275.8	283.9	298.6	309.3	326.7	334.7	233.0
75°	212.9	210.2	212.9	218.2	216.9	227.6	239.7	250.4	266.4	271.8	172.7
77.5°	163.3	163.3	163.3	168.7	168.7	179.4	184.8	198.2	207.5	215.6	127.2
80°	121.8	120.5	121.8	123.2	123.2	128.5	137.9	147.3	155.3	155.3	87.0
82.5°	85.7	83.0	85.7	85.7	85.7	88.4	93.7	96.4	101.8	105.8	54.9
85°	53.6	53.6	53.6	54.9	53.6	56.2	57.6	60.3	60.3	57.6	33.5
87.5°	34.8	33.5	34.8	33.5	33.5	32.1	32.1	32.1	30.8	29.5	18.7
90°	31.8	31.8	31.8	31.8	31.8	42.3	56.4	63.5	54.5	36.8	23.4
92.5°	127.1	101.8	127.1	152.4	158.7	224.9	313.2	357.4	313.8	226.6	161.2
95°	443.0	366.6	443.0	519.5	538.6	707.3	932.3	1044.7	882.4	557.6	314.0
97.5°	1061.6	916.1	1061.6	1207.1	1243.5	1350.1	1492.3	1563.3	1292.6	751.1	344.9
100°	1529.6	1356.2	1529.6	1702.9	1746.2	1738.5	1728.0	1722.8	1422.4	821.5	370.8
102.5°	1989.8	1841.4	1989.8	2138.3	2175.4	2039.5	1858.4	1767.9	1463.2	853.8	396.7
105°	2576.7	2496.9	2576.7	2656.5	2676.5	2372.0	1965.9	1762.9	1467.8	877.7	435.1
107.5°	2961.2	2980.5	2961.2	2941.9	2937.1	2512.3	1945.9	1662.7	1402.5	882.1	491.8
110°	3107.7	3190.9	3107.7	3024.6	3003.8	2529.0	1895.7	1579.1	1344.6	875.5	523.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3120.9	3248.5	3120.9	2993.2	2961.3	2475.2	1827.2	1503.2	1294.0	875.7	562.0
115°	3038.0	3215.1	3038.0	2861.0	2816.8	2348.6	1724.3	1412.1	1236.0	883.8	619.7
117.5°	2862.6	3059.0	2862.6	2666.3	2617.2	2194.6	1631.3	1349.6	1199.8	900.3	675.6
120°	2721.2	2912.0	2721.2	2530.4	2482.7	2096.7	1581.9	1324.5	1187.5	913.6	708.2
122.5°	2583.5	2771.7	2583.5	2395.3	2348.3	2000.6	1537.1	1305.3	1181.1	932.8	746.6
125°	2387.0	2560.4	2387.0	2213.7	2170.4	1875.0	1481.3	1284.4	1175.8	958.7	795.9
127.5°	2210.4	2356.7	2210.4	2064.2	2027.6	1774.0	1435.9	1266.8	1172.7	984.6	843.4
130°	2106.3	2241.4	2106.3	1971.2	1937.4	1711.7	1410.7	1260.2	1174.7	1003.6	875.2
132.5°	2011.8	2132.8	2011.8	1890.8	1860.6	1658.5	1389.0	1254.3	1175.8	1018.8	901.1
135°	1882.4	1986.7	1882.4	1778.1	1752.0	1582.8	1357.1	1244.3	1174.7	1035.5	931.2
137.5°	1778.6	1864.0	1778.6	1693.2	1671.9	1528.8	1338.0	1242.6	1181.9	1060.6	969.6
140°	1707.3	1787.1	1707.3	1627.5	1607.6	1484.0	1319.2	1236.8	1183.2	1075.9	995.4
142.5°	1648.3	1717.0	1648.3	1579.6	1562.4	1453.9	1309.2	1236.8	1187.5	1088.7	1014.6
145°	1559.8	1611.7	1559.8	1507.8	1494.9	1406.1	1287.6	1228.4	1187.5	1105.4	1043.9
147.5°	1491.8	1534.9	1491.8	1448.8	1438.0	1368.1	1275.0	1228.4	1195.6	1129.9	1080.6
150°	1449.1	1484.0	1449.1	1414.2	1405.4	1346.4	1267.8	1228.4	1199.9	1142.6	1099.8
152.5°	1412.5	1438.9	1412.5	1386.1	1379.5	1329.2	1262.0	1228.4	1202.6	1151.0	1112.4
155°	1370.4	1387.9	1370.4	1353.0	1348.7	1308.6	1255.1	1228.4	1208.8	1169.4	1139.9
157.5°	1337.3	1349.6	1337.3	1325.0	1322.0	1290.8	1249.2	1228.4	1214.9	1187.8	1167.5
160°	1317.4	1324.5	1317.4	1310.4	1308.6	1281.9	1246.3	1228.4	1217.6	1196.1	1180.0
162.5°	1304.4	1311.1	1304.4	1297.8	1296.1	1273.5	1243.4	1228.4	1220.7	1205.0	1193.3
165°	1285.6	1292.7	1285.6	1278.7	1276.9	1260.7	1239.2	1228.4	1224.9	1217.8	1212.5
167.5°	1272.3	1275.2	1272.3	1269.2	1268.5	1258.0	1243.9	1236.8	1233.9	1227.9	1223.4
170°	1268.5	1268.5	1268.5	1268.5	1268.5	1258.0	1243.9	1236.8	1236.6	1236.2	1235.9
172.5°	1258.6	1256.0	1258.6	1261.2	1261.8	1253.5	1242.3	1236.8	1236.8	1236.8	1236.8
175°	1252.6	1252.6	1252.6	1252.6	1252.6	1247.3	1240.3	1236.8	1238.5	1241.8	1244.3
177.5°	1247.3	1244.3	1247.3	1250.3	1251.0	1246.8	1241.2	1238.4	1239.8	1242.3	1244.3
180°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1435.3	1427.3	1427.3	1413.9	1408.6	1404.5	1397.8	1377.8	1372.4	1367.0	1375.1
5°	1447.4	1432.7	1421.9	1397.8	1377.8	1369.7	1344.3	1296.1	1263.9	1239.8	1226.5
7.5°	1450.1	1431.3	1411.2	1373.7	1325.5	1304.1	1226.5	1138.1	1114.0	1092.6	1079.2
10°	1447.4	1426.0	1397.8	1341.6	1227.8	1190.3	1112.7	1055.1	1040.3	1036.3	1040.3
12.5°	1438.0	1417.9	1379.1	1285.4	1126.0	1100.6	1055.1	1021.6	1018.9	1025.6	1061.8
15°	1421.9	1403.2	1357.7	1210.4	1069.8	1051.1	1018.9	1006.9	1021.6	1068.5	1176.9
17.5°	1405.9	1384.5	1328.2	1136.8	1027.0	1013.6	990.8	1014.9	1097.9	1160.9	1197.0
20°	1384.5	1359.0	1294.7	1083.2	996.2	984.1	973.4	1081.9	1144.8	1167.5	1187.6
22.5°	1359.0	1332.2	1249.2	1045.7	964.0	954.7	961.4	1119.3	1144.8	1160.9	1178.3
25°	1325.5	1302.8	1195.7	1016.2	938.6	927.9	953.3	1115.3	1130.1	1134.1	1168.9
27.5°	1294.7	1265.3	1139.4	989.5	907.8	903.8	960.0	1097.9	1108.6	1112.7	1150.1
30°	1257.3	1213.1	1076.5	961.4	875.7	874.3	961.4	1076.5	1073.8	1084.5	1122.0
32.5°	1218.4	1135.4	1005.5	926.5	844.9	843.5	952.0	1044.4	1041.7	1056.4	1084.5
35°	1182.3	1075.2	909.1	886.4	806.0	807.4	929.2	1006.9	1008.2	1021.6	1039.0
37.5°	1144.8	1022.9	803.4	842.2	768.5	768.5	898.4	972.1	969.4	973.4	997.5
40°	1100.6	941.3	709.6	784.6	733.7	729.7	860.9	934.6	925.2	923.9	957.3
42.5°	1053.7	851.6	640.0	708.3	693.6	688.2	815.4	889.0	871.6	875.7	918.5
45°	1002.9	827.5	586.5	598.5	652.1	648.0	765.9	836.8	824.8	835.5	879.7
47.5°	952.0	779.3	569.0	496.7	607.9	606.5	711.0	786.0	779.3	790.0	836.8
50°	882.4	725.7	567.7	425.8	558.3	563.7	645.4	736.4	736.4	745.8	795.3
52.5°	792.6	660.1	515.5	385.6	500.8	516.8	587.8	693.6	696.2	705.6	749.8
55°	711.0	591.8	478.0	354.8	432.5	467.3	531.6	649.4	654.7	664.1	704.3
57.5°	636.0	492.7	470.0	318.7	369.5	403.0	482.0	606.5	609.2	617.2	656.1
60°	555.7	356.2	431.1	279.8	314.6	340.1	436.5	555.7	565.0	570.4	603.9
62.5°	464.6	258.4	391.0	253.1	287.9	293.2	399.0	507.5	519.5	523.5	543.6
65°	330.7	216.9	332.1	230.3	259.8	261.1	358.8	457.9	468.6	475.3	490.0
67.5°	223.6	176.7	253.1	208.9	238.3	239.7	320.0	400.3	415.1	420.4	429.8
70°	155.3	117.8	187.5	186.1	214.2	216.9	278.5	348.1	361.5	365.5	370.9
72.5°	113.8	95.1	155.3	167.4	188.8	191.5	235.7	289.2	302.6	306.6	309.3
75°	87.0	100.4	125.9	145.9	160.7	162.0	192.8	235.7	245.0	247.7	249.0
77.5°	69.6	93.7	92.4	117.8	131.2	128.5	151.3	182.1	190.1	190.1	190.1
80°	52.2	73.6	69.6	84.4	96.4	93.7	108.5	129.9	132.6	135.2	133.9
82.5°	38.8	46.9	46.9	53.6	64.3	61.6	72.3	84.4	84.4	84.4	87.0
85°	24.1	26.8	21.4	28.1	36.2	34.8	40.2	45.5	46.9	46.9	44.2
87.5°	14.7	12.1	6.7	10.7	16.1	16.1	18.7	20.1	18.7	18.7	18.7
90°	21.7	15.1	8.4	15.1	21.7	23.4	36.8	54.5	63.5	56.4	42.3
92.5°	147.0	90.2	33.4	90.2	147.0	161.2	226.6	313.8	357.4	313.2	224.9
95°	288.0	184.1	80.2	184.1	288.0	314.0	557.6	882.4	1044.7	932.3	707.3
97.5°	322.0	230.3	138.6	230.3	322.0	344.9	751.1	1292.6	1563.3	1492.3	1350.1
100°	350.0	266.9	183.7	266.9	350.0	370.8	821.5	1422.4	1722.8	1728.0	1738.5
102.5°	377.3	299.7	222.2	299.7	377.3	396.7	853.8	1463.2	1767.9	1858.4	2039.5
105°	418.6	352.9	287.2	352.9	418.6	435.1	877.7	1467.8	1762.9	1965.9	2372.0
107.5°	476.6	415.3	354.1	415.3	476.6	491.8	882.1	1402.5	1662.7	1945.9	2512.3
110°	509.8	454.5	399.2	454.5	509.8	523.6	875.5	1344.6	1579.1	1895.7	2529.0



TEST NUMBER: P935939

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	548.8	496.1	443.5	496.1	548.8	562.0	875.7	1294.0	1503.2	1827.2	2475.2
115°	607.5	558.9	510.2	558.9	607.5	619.7	883.8	1236.0	1412.1	1724.3	2348.6
117.5°	664.6	620.4	576.2	620.4	664.6	675.6	900.3	1199.8	1349.6	1631.3	2194.6
120°	697.9	656.3	614.7	656.3	697.9	708.2	913.6	1187.5	1324.5	1581.9	2096.7
122.5°	736.1	694.2	652.2	694.2	736.1	746.6	932.8	1181.1	1305.3	1537.1	2000.6
125°	786.3	748.0	709.8	748.0	786.3	795.9	958.7	1175.8	1284.4	1481.3	1875.0
127.5°	833.8	795.1	756.6	795.1	833.8	843.4	984.6	1172.7	1266.8	1435.9	1774.0
130°	864.9	823.3	781.7	823.3	864.9	875.2	1003.6	1174.7	1260.2	1410.7	1711.7
132.5°	890.7	849.1	807.6	849.1	890.7	901.1	1018.8	1175.8	1254.3	1389.0	1658.5
135°	921.7	883.8	845.9	883.8	921.7	931.2	1035.5	1174.7	1244.3	1357.1	1582.8
137.5°	960.2	922.7	885.2	922.7	960.2	969.6	1060.6	1181.9	1242.6	1338.0	1528.8
140°	986.8	952.3	917.8	952.3	986.8	995.4	1075.9	1183.2	1236.8	1319.2	1484.0
142.5°	1006.7	974.7	942.8	974.7	1006.7	1014.6	1088.7	1187.5	1236.8	1309.2	1453.9
145°	1037.0	1009.1	981.3	1009.1	1037.0	1043.9	1105.4	1187.5	1228.4	1287.6	1406.1
147.5°	1073.8	1046.8	1019.6	1046.8	1073.8	1080.6	1129.9	1195.6	1228.4	1275.0	1368.1
150°	1093.6	1069.2	1044.7	1069.2	1093.6	1099.8	1142.6	1199.9	1228.4	1267.8	1346.4
152.5°	1107.7	1089.2	1070.6	1089.2	1107.7	1112.4	1151.0	1202.6	1228.4	1262.0	1329.2
155°	1136.5	1122.7	1109.0	1122.7	1136.5	1139.9	1169.4	1208.8	1228.4	1255.1	1308.6
157.5°	1164.2	1150.8	1137.4	1150.8	1164.2	1167.5	1187.8	1214.9	1228.4	1249.2	1290.8
160°	1177.4	1167.0	1156.7	1167.0	1177.4	1180.0	1196.1	1217.6	1228.4	1246.3	1281.9
162.5°	1191.4	1183.6	1175.8	1183.6	1191.4	1193.3	1205.0	1220.7	1228.4	1243.4	1273.5
165°	1210.7	1203.8	1196.7	1203.8	1210.7	1212.5	1217.8	1224.9	1228.4	1239.2	1260.7
167.5°	1222.6	1219.2	1215.9	1219.2	1222.6	1223.4	1227.9	1233.9	1236.8	1243.9	1258.0
170°	1235.1	1231.7	1228.4	1231.7	1235.1	1235.9	1236.2	1236.6	1236.8	1243.9	1258.0
172.5°	1236.6	1235.8	1235.1	1235.8	1236.6	1236.8	1236.8	1236.8	1236.8	1242.3	1253.5
175°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1241.8	1238.5	1236.8	1240.3	1247.3
177.5°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1242.3	1239.8	1238.4	1241.2	1246.8
180°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1365.7	1361.7	1367.0	1352.3	1367.0	1361.7	1365.7	1375.1	1367.0	1372.4	1377.8
5°	1198.3	1191.6	1170.2	1152.8	1170.2	1191.6	1198.3	1226.5	1239.8	1263.9	1296.1
7.5°	1071.1	1065.8	1060.4	1049.7	1060.4	1065.8	1071.1	1079.2	1092.6	1114.0	1138.1
10°	1043.0	1044.4	1052.4	1051.1	1052.4	1044.4	1043.0	1040.3	1036.3	1040.3	1055.1
12.5°	1115.3	1127.4	1171.6	1168.9	1171.6	1127.4	1115.3	1061.8	1025.6	1018.9	1021.6
15°	1198.3	1202.4	1211.7	1213.1	1211.7	1202.4	1198.3	1176.9	1068.5	1021.6	1006.9
17.5°	1206.4	1207.7	1214.4	1214.4	1214.4	1207.7	1206.4	1197.0	1160.9	1097.9	1014.9
20°	1199.7	1202.4	1215.7	1218.4	1215.7	1202.4	1199.7	1187.6	1167.5	1144.8	1081.9
22.5°	1197.0	1202.4	1213.1	1211.7	1213.1	1202.4	1197.0	1178.3	1160.9	1144.8	1119.3
25°	1183.6	1183.6	1185.0	1186.3	1185.0	1183.6	1183.6	1168.9	1134.1	1130.1	1115.3
27.5°	1155.5	1158.2	1166.2	1164.9	1166.2	1158.2	1155.5	1150.1	1112.7	1108.6	1097.9
30°	1130.1	1127.4	1120.7	1115.3	1120.7	1127.4	1130.1	1122.0	1084.5	1073.8	1076.5
32.5°	1087.2	1080.5	1073.8	1069.8	1073.8	1080.5	1087.2	1084.5	1056.4	1041.7	1044.4
35°	1036.3	1037.7	1036.3	1032.3	1036.3	1037.7	1036.3	1039.0	1021.6	1008.2	1006.9
37.5°	1000.2	1002.9	1001.5	996.2	1001.5	1002.9	1000.2	997.5	973.4	969.4	972.1
40°	962.7	964.0	962.7	958.7	962.7	964.0	962.7	957.3	923.9	925.2	934.6
42.5°	926.5	925.2	921.2	918.5	921.2	925.2	926.5	918.5	875.7	871.6	889.0
45°	885.0	886.4	878.3	874.3	878.3	886.4	885.0	879.7	835.5	824.8	836.8
47.5°	843.5	843.5	836.8	832.8	836.8	843.5	843.5	836.8	790.0	779.3	786.0
50°	799.3	798.0	788.6	787.3	788.6	798.0	799.3	795.3	745.8	736.4	736.4
52.5°	748.5	748.5	749.8	752.5	749.8	748.5	748.5	749.8	705.6	696.2	693.6
55°	704.3	705.6	715.0	717.7	715.0	705.6	704.3	704.3	664.1	654.7	649.4
57.5°	658.8	658.8	665.4	665.4	665.4	658.8	658.8	656.1	617.2	609.2	606.5
60°	606.5	609.2	614.6	613.2	614.6	609.2	606.5	603.9	570.4	565.0	555.7
62.5°	551.6	554.3	555.7	553.0	555.7	554.3	551.6	543.6	523.5	519.5	507.5
65°	494.1	496.7	498.1	495.4	498.1	496.7	494.1	490.0	475.3	468.6	457.9
67.5°	435.2	433.8	432.5	437.8	432.5	433.8	435.2	429.8	420.4	415.1	400.3
70°	374.9	374.9	373.6	376.2	373.6	374.9	374.9	370.9	365.5	361.5	348.1
72.5°	310.6	309.3	314.6	310.6	314.6	309.3	310.6	309.3	306.6	302.6	289.2
75°	247.7	250.4	247.7	251.7	247.7	250.4	247.7	249.0	247.7	245.0	235.7
77.5°	188.8	191.5	188.8	188.8	188.8	191.5	188.8	190.1	190.1	190.1	182.1
80°	133.9	132.6	132.6	131.2	132.6	132.6	133.9	133.9	135.2	132.6	129.9
82.5°	85.7	84.4	84.4	87.0	84.4	84.4	85.7	87.0	84.4	84.4	84.4
85°	46.9	48.2	45.5	45.5	45.5	48.2	46.9	44.2	46.9	46.9	45.5
87.5°	17.4	16.1	16.1	16.1	16.1	16.1	17.4	18.7	18.7	18.7	20.1
90°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	42.3	56.4	63.5	54.5
92.5°	158.7	152.4	127.1	101.8	127.1	152.4	158.7	224.9	313.2	357.4	313.8
95°	538.6	519.5	443.0	366.6	443.0	519.5	538.6	707.3	932.3	1044.7	882.4
97.5°	1243.5	1207.1	1061.6	916.1	1061.6	1207.1	1243.5	1350.1	1492.3	1563.3	1292.6
100°	1746.2	1702.9	1529.6	1356.2	1529.6	1702.9	1746.2	1738.5	1728.0	1722.8	1422.4
102.5°	2175.4	2138.3	1989.8	1841.4	1989.8	2138.3	2175.4	2039.5	1858.4	1767.9	1463.2
105°	2676.5	2656.5	2576.7	2496.9	2576.7	2656.5	2676.5	2372.0	1965.9	1762.9	1467.8
107.5°	2937.1	2941.9	2961.2	2980.5	2961.2	2941.9	2937.1	2512.3	1945.9	1662.7	1402.5
110°	3003.8	3024.6	3107.7	3190.9	3107.7	3024.6	3003.8	2529.0	1895.7	1579.1	1344.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2961.3	2993.2	3120.9	3248.5	3120.9	2993.2	2961.3	2475.2	1827.2	1503.2	1294.0
115°	2816.8	2861.0	3038.0	3215.1	3038.0	2861.0	2816.8	2348.6	1724.3	1412.1	1236.0
117.5°	2617.2	2666.3	2862.6	3059.0	2862.6	2666.3	2617.2	2194.6	1631.3	1349.6	1199.8
120°	2482.7	2530.4	2721.2	2912.0	2721.2	2530.4	2482.7	2096.7	1581.9	1324.5	1187.5
122.5°	2348.3	2395.3	2583.5	2771.7	2583.5	2395.3	2348.3	2000.6	1537.1	1305.3	1181.1
125°	2170.4	2213.7	2387.0	2560.4	2387.0	2213.7	2170.4	1875.0	1481.3	1284.4	1175.8
127.5°	2027.6	2064.2	2210.4	2356.7	2210.4	2064.2	2027.6	1774.0	1435.9	1266.8	1172.7
130°	1937.4	1971.2	2106.3	2241.4	2106.3	1971.2	1937.4	1711.7	1410.7	1260.2	1174.7
132.5°	1860.6	1890.8	2011.8	2132.8	2011.8	1890.8	1860.6	1658.5	1389.0	1254.3	1175.8
135°	1752.0	1778.1	1882.4	1986.7	1882.4	1778.1	1752.0	1582.8	1357.1	1244.3	1174.7
137.5°	1671.9	1693.2	1778.6	1864.0	1778.6	1693.2	1671.9	1528.8	1338.0	1242.6	1181.9
140°	1607.6	1627.5	1707.3	1787.1	1707.3	1627.5	1607.6	1484.0	1319.2	1236.8	1183.2
142.5°	1562.4	1579.6	1648.3	1717.0	1648.3	1579.6	1562.4	1453.9	1309.2	1236.8	1187.5
145°	1494.9	1507.8	1559.8	1611.7	1559.8	1507.8	1494.9	1406.1	1287.6	1228.4	1187.5
147.5°	1438.0	1448.8	1491.8	1534.9	1491.8	1448.8	1438.0	1368.1	1275.0	1228.4	1195.6
150°	1405.4	1414.2	1449.1	1484.0	1449.1	1414.2	1405.4	1346.4	1267.8	1228.4	1199.9
152.5°	1379.5	1386.1	1412.5	1438.9	1412.5	1386.1	1379.5	1329.2	1262.0	1228.4	1202.6
155°	1348.7	1353.0	1370.4	1387.9	1370.4	1353.0	1348.7	1308.6	1255.1	1228.4	1208.8
157.5°	1322.0	1325.0	1337.3	1349.6	1337.3	1325.0	1322.0	1290.8	1249.2	1228.4	1214.9
160°	1308.6	1310.4	1317.4	1324.5	1317.4	1310.4	1308.6	1281.9	1246.3	1228.4	1217.6
162.5°	1296.1	1297.8	1304.4	1311.1	1304.4	1297.8	1296.1	1273.5	1243.4	1228.4	1220.7
165°	1276.9	1278.7	1285.6	1292.7	1285.6	1278.7	1276.9	1260.7	1239.2	1228.4	1224.9
167.5°	1268.5	1269.2	1272.3	1275.2	1272.3	1269.2	1268.5	1258.0	1243.9	1236.8	1233.9
170°	1268.5	1268.5	1268.5	1268.5	1268.5	1268.5	1268.5	1258.0	1243.9	1236.8	1236.6
172.5°	1261.8	1261.2	1258.6	1256.0	1258.6	1261.2	1261.8	1253.5	1242.3	1236.8	1236.8
175°	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1247.3	1240.3	1236.8	1238.5
177.5°	1251.0	1250.3	1247.3	1244.3	1247.3	1250.3	1251.0	1246.8	1241.2	1238.4	1239.8
180°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1397.8	1404.5	1408.6	1413.9	1427.3
5°	1344.3	1369.7	1377.8	1397.8	1421.9
7.5°	1226.5	1304.1	1325.5	1373.7	1411.2
10°	1112.7	1190.3	1227.8	1341.6	1397.8
12.5°	1055.1	1100.6	1126.0	1285.4	1379.1
15°	1018.9	1051.1	1069.8	1210.4	1357.7
17.5°	990.8	1013.6	1027.0	1136.8	1328.2
20°	973.4	984.1	996.2	1083.2	1294.7
22.5°	961.4	954.7	964.0	1045.7	1249.2
25°	953.3	927.9	938.6	1016.2	1195.7
27.5°	960.0	903.8	907.8	989.5	1139.4
30°	961.4	874.3	875.7	961.4	1076.5
32.5°	952.0	843.5	844.9	926.5	1005.5
35°	929.2	807.4	806.0	886.4	909.1
37.5°	898.4	768.5	768.5	842.2	803.4
40°	860.9	729.7	733.7	784.6	709.6
42.5°	815.4	688.2	693.6	708.3	640.0
45°	765.9	648.0	652.1	598.5	586.5
47.5°	711.0	606.5	607.9	496.7	569.0
50°	645.4	563.7	558.3	425.8	567.7
52.5°	587.8	516.8	500.8	385.6	515.5
55°	531.6	467.3	432.5	354.8	478.0
57.5°	482.0	403.0	369.5	318.7	470.0
60°	436.5	340.1	314.6	279.8	431.1
62.5°	399.0	293.2	287.9	253.1	391.0
65°	358.8	261.1	259.8	230.3	332.1
67.5°	320.0	239.7	238.3	208.9	253.1
70°	278.5	216.9	214.2	186.1	187.5
72.5°	235.7	191.5	188.8	167.4	155.3
75°	192.8	162.0	160.7	145.9	125.9
77.5°	151.3	128.5	131.2	117.8	92.4
80°	108.5	93.7	96.4	84.4	69.6
82.5°	72.3	61.6	64.3	53.6	46.9
85°	40.2	34.8	36.2	28.1	21.4
87.5°	18.7	16.1	16.1	10.7	6.7
90°	36.8	23.4	21.7	15.1	8.4
92.5°	226.6	161.2	147.0	90.2	33.4
95°	557.6	314.0	288.0	184.1	80.2
97.5°	751.1	344.9	322.0	230.3	138.6
100°	821.5	370.8	350.0	266.9	183.7
102.5°	853.8	396.7	377.3	299.7	222.2
105°	877.7	435.1	418.6	352.9	287.2
107.5°	882.1	491.8	476.6	415.3	354.1
110°	875.5	523.6	509.8	454.5	399.2



TEST NUMBER: P935939

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	875.7	562.0	548.8	496.1	443.5
115°	883.8	619.7	607.5	558.9	510.2
117.5°	900.3	675.6	664.6	620.4	576.2
120°	913.6	708.2	697.9	656.3	614.7
122.5°	932.8	746.6	736.1	694.2	652.2
125°	958.7	795.9	786.3	748.0	709.8
127.5°	984.6	843.4	833.8	795.1	756.6
130°	1003.6	875.2	864.9	823.3	781.7
132.5°	1018.8	901.1	890.7	849.1	807.6
135°	1035.5	931.2	921.7	883.8	845.9
137.5°	1060.6	969.6	960.2	922.7	885.2
140°	1075.9	995.4	986.8	952.3	917.8
142.5°	1088.7	1014.6	1006.7	974.7	942.8
145°	1105.4	1043.9	1037.0	1009.1	981.3
147.5°	1129.9	1080.6	1073.8	1046.8	1019.6
150°	1142.6	1099.8	1093.6	1069.2	1044.7
152.5°	1151.0	1112.4	1107.7	1089.2	1070.6
155°	1169.4	1139.9	1136.5	1122.7	1109.0
157.5°	1187.8	1167.5	1164.2	1150.8	1137.4
160°	1196.1	1180.0	1177.4	1167.0	1156.7
162.5°	1205.0	1193.3	1191.4	1183.6	1175.8
165°	1217.8	1212.5	1210.7	1203.8	1196.7
167.5°	1227.9	1223.4	1222.6	1219.2	1215.9
170°	1236.2	1235.9	1235.1	1231.7	1228.4
172.5°	1236.8	1236.8	1236.6	1235.8	1235.1
175°	1241.8	1244.3	1244.3	1244.3	1244.3
177.5°	1242.3	1244.3	1244.3	1244.3	1244.3
180°	1244.3	1244.3	1244.3	1244.3	1244.3



TEST NUMBER: P935939

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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	10.30	11.02	11.40	12.11	13.63	13.12	13.84	14.23	14.94	16.45
	3H	10.77	11.41	11.88	12.51	14.05	14.46	15.10	15.57	16.20	17.74
	4H	10.95	11.56	12.07	12.67	14.20	14.89	15.50	16.01	16.61	18.15
	6H	11.06	11.62	12.19	12.73	14.28	15.17	15.73	16.30	16.84	18.39
	8H	11.06	11.59	12.19	12.72	14.26	15.24	15.77	16.37	16.90	18.44
	12H	11.02	11.53	12.16	12.65	14.22	15.27	15.78	16.41	16.90	18.46
4H	2H	11.31	11.92	12.44	13.03	14.57	13.52	14.12	14.65	15.23	16.77
	3H	12.33	12.83	13.46	13.97	15.52	15.01	15.51	16.14	16.65	18.20
	4H	12.60	13.06	13.74	14.19	15.76	15.53	15.99	16.67	17.12	18.69
	6H	12.71	13.11	13.86	14.26	15.82	15.88	16.28	17.03	17.43	18.99
	8H	12.72	13.09	13.86	14.23	15.80	15.98	16.36	17.13	17.50	19.07
	12H	12.68	13.01	13.84	14.16	15.75	16.03	16.37	17.19	17.52	19.10
8H	4H	13.04	13.41	14.18	14.55	16.13	15.64	16.01	16.78	17.15	18.73
	6H	13.29	13.60	14.46	14.78	16.36	16.07	16.38	17.23	17.56	19.13
	8H	13.33	13.60	14.50	14.76	16.36	16.22	16.49	17.39	17.65	19.24
	12H	13.31	13.55	14.49	14.70	16.33	16.31	16.54	17.48	17.70	19.33
12H	4H	13.04	13.37	14.20	14.52	16.11	15.60	15.93	16.76	17.08	18.67
	6H	13.35	13.62	14.52	14.78	16.38	16.06	16.33	17.23	17.49	19.09
	8H	13.41	13.65	14.59	14.80	16.43	16.22	16.45	17.39	17.61	19.24