

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: P935683

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935683
REPORT IS A COMBINATION OF REPORTS P933762 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

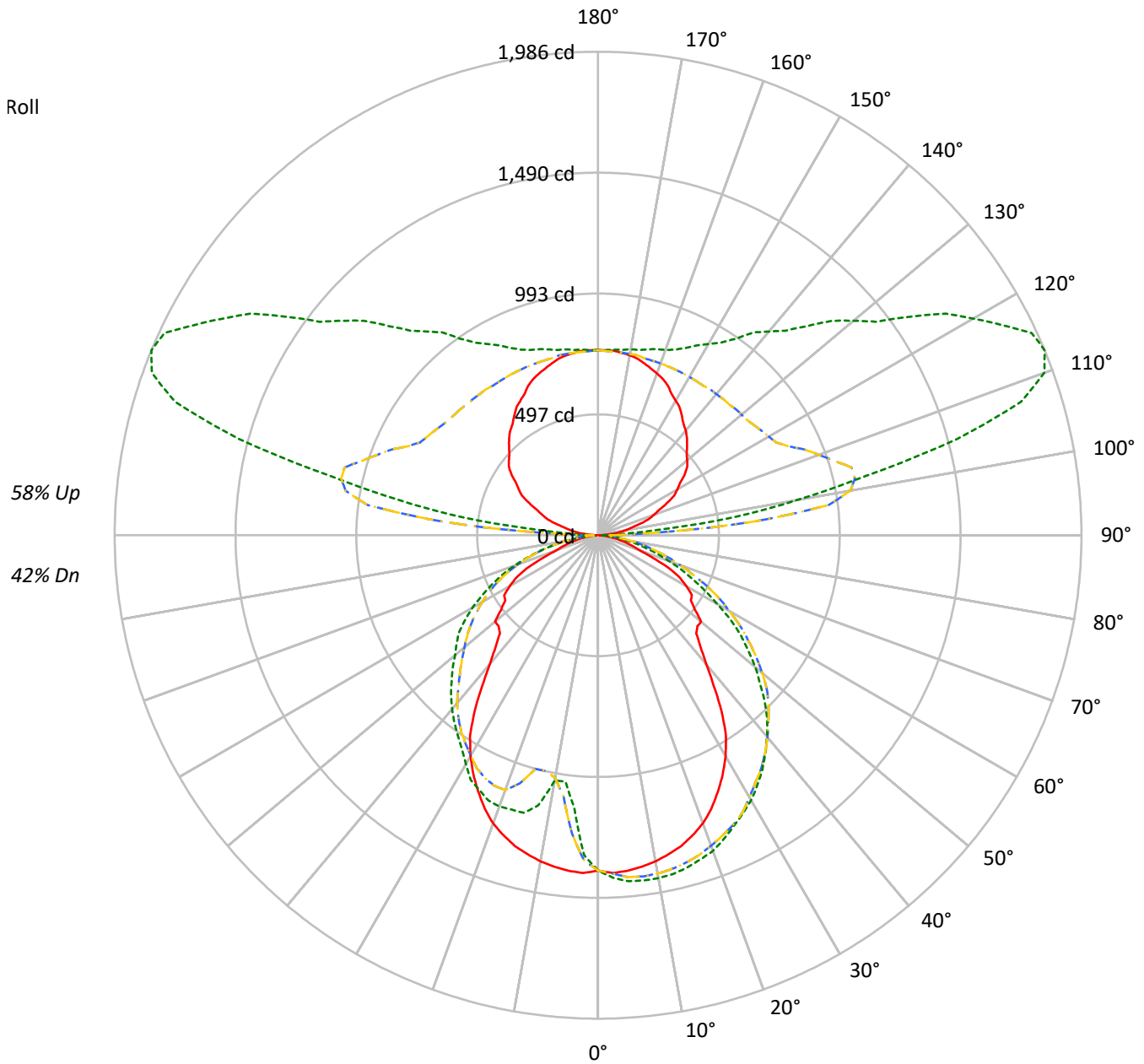
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8504.3 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 64.4
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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12777	12777	12777	12777
5°	12860	12898	12860	10142
10°	12759	12705	12759	9084
15°	12605	12429	12605	10379
20°	12327	12104	12327	10401
25°	11774	11629	11774	10180
30°	11063	11234	11063	9697
35°	9847	10734	9847	9165
40°	8192	10146	8192	8764
45°	7305	9457	7305	8301
50°	7744	8637	7744	7837
55°	7265	7753	7265	7569
60°	7460	6584	7460	6932
65°	6733	5443	6733	6085
70°	4631	4338	4631	5100
75°	4017	3206	4017	3839
80°	3168	2119	3168	2309
85°	1722	1123	1722	954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11217 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	1.5
10°-20°	352.9	4.1
20°-30°	545.5	6.4
30°-40°	651.3	7.7
40°-50°	655.1	7.7
50°-60°	570.0	6.7
60°-70°	404.1	4.8
70°-80°	213.8	2.5
80°-90°	56.1	0.7
90°-100°	370.8	4.4
100°-110°	974.8	11.5
110°-120°	1010.8	11.9
120°-130°	810.8	9.5
130°-140°	636.2	7.5
140°-150°	488.3	5.7
150°-160°	351.6	4.1
160°-170°	215.2	2.5
170°-180°	72.7	0.9
0°-30°	1022.8	12.0
0°-40°	1674.0	19.7
0°-60°	2899.1	34.1
0°-90°	3573.2	42.0
90°-120°	2356.4	27.7
90°-150°	4291.6	50.5
90°-180°	4931.0	58.0
0°-180°	8504.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1377	1377	1377	1377	1377	
5°	1384	1426	1384	1122	1384	131
15°	1321	1413	1321	1180	1321	372
25°	1163	1318	1163	1154	1163	534
35°	884	1176	884	1004	884	547
45°	571	969	571	851	571	457
55°	465	715	465	698	465	427
65°	323	431	323	482	323	309
75°	122	204	122	245	122	129
85°	21	52	21	44	21	28
90°	5	19	5	19	5	5
95°	49	224	49	224	49	54
105°	176	1526	176	1526	176	186
115°	312	1966	312	1966	312	308
125°	434	1565	434	1565	434	385
135°	517	1214	517	1214	517	400
145°	600	985	600	985	600	376
155°	678	848	678	848	678	312
165°	732	790	732	790	732	206
175°	761	766	761	766	761	72
180°	761	761	761	761	761	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1388.7	1388.7	1396.6	1399.1	1399.1	1395.2	1391.3	1395.2	1406.9	1410.9	1409.6
5°	1383.6	1393.9	1408.3	1410.9	1413.4	1412.1	1409.6	1412.1	1425.2	1427.8	1429.1
7.5°	1373.1	1392.6	1410.9	1414.8	1418.7	1414.8	1413.4	1416.1	1429.1	1431.7	1431.7
10°	1360.1	1387.4	1408.3	1410.9	1414.8	1410.9	1410.9	1416.1	1429.1	1431.7	1433.1
12.5°	1341.8	1379.6	1399.1	1401.8	1406.9	1405.6	1404.4	1409.6	1422.6	1425.2	1425.2
15°	1320.9	1365.3	1383.6	1386.1	1395.2	1392.6	1392.6	1397.9	1412.1	1416.1	1414.8
17.5°	1292.4	1347.1	1367.9	1371.8	1378.3	1376.9	1378.3	1383.6	1396.6	1399.1	1400.4
20°	1259.7	1322.3	1347.1	1350.9	1357.4	1357.4	1357.4	1363.9	1376.9	1382.2	1382.2
22.5°	1215.4	1296.2	1322.3	1324.9	1332.7	1332.7	1335.3	1344.4	1356.1	1357.4	1357.4
25°	1163.4	1267.6	1289.7	1297.6	1305.4	1309.2	1313.2	1318.4	1322.3	1320.9	1322.3
27.5°	1108.7	1231.1	1259.7	1264.9	1275.4	1279.3	1284.5	1285.8	1287.1	1291.0	1288.4
30°	1047.4	1180.2	1223.2	1228.5	1245.4	1248.0	1242.9	1245.4	1251.9	1254.6	1257.2
32.5°	978.3	1104.7	1185.5	1197.2	1212.9	1205.0	1203.7	1207.7	1218.1	1218.1	1220.7
35°	884.5	1046.1	1150.4	1160.7	1172.5	1163.4	1168.5	1169.9	1176.4	1180.2	1179.0
37.5°	781.6	995.3	1113.9	1121.7	1130.7	1119.0	1126.9	1130.7	1136.0	1133.4	1133.4
40°	690.5	915.8	1070.9	1076.0	1083.9	1074.7	1082.5	1085.2	1087.8	1085.2	1083.9
42.5°	622.8	828.5	1025.2	1031.8	1026.5	1033.0	1035.7	1040.9	1037.0	1031.8	1031.8
45°	570.6	805.1	975.7	983.5	975.7	986.2	990.0	990.0	978.3	975.7	974.5
47.5°	553.6	758.2	926.2	926.2	922.3	935.3	941.9	932.8	921.0	917.2	917.2
50°	552.4	706.1	858.5	853.3	871.5	887.2	880.7	871.5	862.5	848.1	848.1
52.5°	501.6	642.3	771.2	790.8	819.5	828.5	818.1	809.0	793.3	786.8	781.6
55°	465.1	575.8	691.8	730.8	760.8	772.5	753.0	743.8	720.4	716.5	713.9
57.5°	457.3	479.4	618.8	668.3	704.8	703.5	691.8	674.8	655.3	651.4	650.1
60°	419.4	346.5	540.6	599.3	637.1	633.1	622.8	607.1	588.8	586.3	583.6
62.5°	380.4	251.4	452.1	518.5	571.9	570.6	561.5	538.1	525.0	518.5	513.3
65°	323.1	211.0	321.7	431.2	508.1	510.6	491.1	474.2	459.9	452.1	450.7
67.5°	246.2	172.0	217.5	359.6	446.9	444.2	419.4	411.7	393.4	389.5	381.7
70°	182.4	114.7	151.2	291.9	386.9	380.4	360.9	351.7	334.8	325.7	320.4
72.5°	151.2	92.5	110.7	226.7	325.7	317.9	300.9	290.5	276.2	268.4	263.2
75°	122.5	97.7	84.7	168.0	264.4	259.2	243.6	233.2	221.5	211.0	212.4
77.5°	89.9	91.2	67.7	123.7	209.7	201.9	192.8	179.7	174.5	164.2	164.2
80°	67.7	71.7	50.8	84.7	151.2	151.2	143.3	134.2	125.0	119.9	119.9
82.5°	45.6	45.6	37.8	53.4	102.9	99.0	93.8	91.2	86.0	83.4	83.4
85°	20.8	26.0	23.5	32.5	56.0	58.7	58.7	56.0	54.7	52.1	53.4
87.5°	6.5	11.7	14.3	18.2	28.7	30.0	31.3	31.3	31.3	32.5	32.5
90°	5.1	9.2	13.3	14.3	22.5	33.3	38.7	34.4	25.8	19.4	19.4
92.5°	20.4	55.1	89.8	98.5	138.5	191.9	218.5	191.5	137.5	97.0	93.2
95°	49.0	112.5	176.1	192.0	340.9	539.3	638.6	569.9	432.5	329.3	317.6
97.5°	84.7	140.7	196.8	210.8	459.1	790.1	955.6	912.1	825.3	760.1	737.9
100°	112.3	163.2	214.0	226.7	502.2	869.5	1053.1	1056.3	1062.7	1067.4	1040.9
102.5°	135.8	183.2	230.6	242.5	521.9	894.5	1080.8	1136.2	1246.9	1329.9	1307.2
105°	175.6	215.8	256.0	266.0	536.6	897.4	1077.7	1201.8	1450.0	1636.2	1623.9
107.5°	216.4	253.9	291.4	300.7	539.3	857.4	1016.5	1189.6	1535.8	1795.4	1798.4
110°	244.0	277.9	311.6	320.1	535.2	822.0	965.4	1158.9	1546.0	1836.3	1849.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	271.1	303.3	335.4	343.5	535.3	791.1	919.0	1117.0	1513.2	1810.3	1829.8
115°	311.9	341.6	371.4	378.8	540.3	755.6	863.2	1054.0	1435.7	1722.0	1749.0
117.5°	352.3	379.3	406.3	413.0	550.4	733.5	825.0	997.1	1341.6	1599.9	1629.9
120°	375.8	401.2	426.6	433.0	558.6	726.0	809.7	967.1	1281.7	1517.7	1546.9
122.5°	398.7	424.4	450.0	456.4	570.3	722.0	798.0	939.7	1223.0	1435.5	1464.3
125°	433.9	457.3	480.7	486.5	586.1	718.8	785.2	905.5	1146.2	1326.8	1353.3
127.5°	462.5	486.1	509.7	515.6	601.9	716.9	774.4	877.7	1084.5	1239.5	1261.9
130°	477.8	503.3	528.7	535.0	613.5	718.1	770.4	862.4	1046.3	1184.4	1205.0
132.5°	493.7	519.1	544.6	550.9	622.9	718.8	766.8	849.1	1013.9	1137.4	1155.9
135°	517.2	540.3	563.4	569.2	633.0	718.1	760.7	829.7	967.7	1071.1	1087.1
137.5°	541.1	564.0	587.0	592.7	648.3	722.5	759.6	817.9	934.5	1022.0	1035.0
140°	561.0	582.1	603.2	608.6	657.8	723.3	756.1	806.4	907.2	982.7	995.0
142.5°	576.3	595.8	615.4	620.3	665.6	725.9	756.1	800.3	888.8	955.1	965.6
145°	599.9	616.8	633.9	638.1	675.7	725.9	750.9	787.1	859.5	913.8	921.8
147.5°	623.3	639.9	656.5	660.6	690.7	730.8	750.9	779.4	836.4	879.1	885.7
150°	638.6	653.6	668.6	672.4	698.6	733.5	750.9	775.0	823.1	859.2	864.5
152.5°	654.5	665.8	677.2	680.0	703.7	735.2	750.9	771.4	812.6	843.3	847.4
155°	678.0	686.4	694.7	696.8	714.8	738.9	750.9	767.3	799.9	824.5	827.2
157.5°	695.3	703.5	711.6	713.7	726.1	742.7	750.9	763.7	789.1	808.1	810.0
160°	707.1	713.4	719.8	721.4	731.2	744.3	750.9	761.8	783.6	799.9	801.0
162.5°	718.8	723.5	728.4	729.5	736.6	746.2	750.9	760.1	778.5	792.3	793.3
165°	731.5	735.9	740.2	741.3	744.5	748.8	750.9	757.5	770.7	780.5	781.6
167.5°	743.3	745.3	747.4	747.9	750.6	754.3	756.1	760.4	769.0	775.5	776.0
170°	750.9	753.0	755.1	755.6	755.8	756.0	756.1	760.4	769.0	775.5	775.5
172.5°	755.1	755.5	756.0	756.1	756.1	756.1	756.1	759.4	766.2	771.3	771.0
175°	760.7	760.7	760.7	760.7	759.1	757.1	756.1	758.2	762.5	765.7	765.7
177.5°	760.7	760.7	760.7	760.7	759.5	757.8	757.1	758.7	762.2	764.7	764.2
180°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1412.1	1408.3	1412.1	1409.6	1410.9	1406.9	1395.2	1391.3	1395.2	1399.1	1399.1
5°	1429.1	1426.5	1429.1	1429.1	1427.8	1425.2	1412.1	1409.6	1412.1	1413.4	1410.9
7.5°	1434.3	1430.4	1434.3	1431.7	1431.7	1429.1	1416.1	1413.4	1414.8	1418.7	1414.8
10°	1434.3	1430.4	1434.3	1433.1	1431.7	1429.1	1416.1	1410.9	1410.9	1414.8	1410.9
12.5°	1427.8	1425.2	1427.8	1425.2	1425.2	1422.6	1409.6	1404.4	1405.6	1406.9	1401.8
15°	1417.4	1413.4	1417.4	1414.8	1416.1	1412.1	1397.9	1392.6	1392.6	1395.2	1386.1
17.5°	1401.8	1396.6	1401.8	1400.4	1399.1	1396.6	1383.6	1378.3	1376.9	1378.3	1371.8
20°	1383.6	1379.6	1383.6	1382.2	1382.2	1376.9	1363.9	1357.4	1357.4	1357.4	1350.9
22.5°	1354.9	1350.9	1354.9	1357.4	1357.4	1356.1	1344.4	1335.3	1332.7	1332.7	1324.9
25°	1322.3	1318.4	1322.3	1322.3	1320.9	1322.3	1318.4	1313.2	1309.2	1305.4	1297.6
27.5°	1291.0	1288.4	1291.0	1288.4	1291.0	1287.1	1285.8	1284.5	1279.3	1275.4	1264.9
30°	1259.7	1257.2	1259.7	1257.2	1254.6	1251.9	1245.4	1242.9	1248.0	1245.4	1228.5
32.5°	1220.7	1218.1	1220.7	1220.7	1218.1	1218.1	1207.7	1203.7	1205.0	1212.9	1197.2
35°	1180.2	1176.4	1180.2	1179.0	1180.2	1176.4	1169.9	1168.5	1163.4	1172.5	1160.7
37.5°	1133.4	1129.5	1133.4	1133.4	1133.4	1136.0	1130.7	1126.9	1119.0	1130.7	1121.7
40°	1085.2	1080.0	1085.2	1083.9	1085.2	1087.8	1085.2	1082.5	1074.7	1083.9	1076.0
42.5°	1030.5	1029.2	1030.5	1031.8	1031.8	1037.0	1040.9	1035.7	1033.0	1026.5	1031.8
45°	971.8	969.2	971.8	974.5	975.7	978.3	990.0	990.0	986.2	975.7	983.5
47.5°	909.3	902.8	909.3	917.2	917.2	921.0	932.8	941.9	935.3	922.3	926.2
50°	842.8	844.2	842.8	848.1	848.1	862.5	871.5	880.7	887.2	871.5	853.3
52.5°	777.8	776.5	777.8	781.6	786.8	793.3	809.0	818.1	828.5	819.5	790.8
55°	712.6	715.2	712.6	713.9	716.5	720.4	743.8	753.0	772.5	760.8	730.8
57.5°	647.5	643.6	647.5	650.1	651.4	655.3	674.8	691.8	703.5	704.8	668.3
60°	571.9	566.7	571.9	583.6	586.3	588.8	607.1	622.8	633.1	637.1	599.3
62.5°	505.4	496.4	505.4	513.3	518.5	525.0	538.1	561.5	570.6	571.9	518.5
65°	435.1	431.2	435.1	450.7	452.1	459.9	474.2	491.1	510.6	508.1	431.2
67.5°	371.3	371.3	371.3	381.7	389.5	393.4	411.7	419.4	444.2	446.9	359.6
70°	312.7	311.4	312.7	320.4	325.7	334.8	351.7	360.9	380.4	386.9	291.9
72.5°	256.7	255.4	256.7	263.2	268.4	276.2	290.5	300.9	317.9	325.7	226.7
75°	207.2	204.5	207.2	212.4	211.0	221.5	233.2	243.6	259.2	264.4	168.0
77.5°	158.9	158.9	158.9	164.2	164.2	174.5	179.7	192.8	201.9	209.7	123.7
80°	118.5	117.2	118.5	119.9	119.9	125.0	134.2	143.3	151.2	151.2	84.7
82.5°	83.4	80.8	83.4	83.4	83.4	86.0	91.2	93.8	99.0	102.9	53.4
85°	52.1	52.1	52.1	53.4	52.1	54.7	56.0	58.7	58.7	56.0	32.5
87.5°	33.9	32.5	33.9	32.5	32.5	31.3	31.3	31.3	30.0	28.7	18.2
90°	19.4	19.4	19.4	19.4	19.4	25.8	34.4	38.7	33.3	22.5	14.3
92.5°	77.7	62.3	77.7	93.2	97.0	137.5	191.5	218.5	191.9	138.5	98.5
95°	270.9	224.1	270.9	317.6	329.3	432.5	569.9	638.6	539.3	340.9	192.0
97.5°	649.0	560.0	649.0	737.9	760.1	825.3	912.1	955.6	790.1	459.1	210.8
100°	935.0	829.0	935.0	1040.9	1067.4	1062.7	1056.3	1053.1	869.5	502.2	226.7
102.5°	1216.4	1125.7	1216.4	1307.2	1329.9	1246.9	1136.2	1080.8	894.5	521.9	242.5
105°	1575.2	1526.4	1575.2	1623.9	1636.2	1450.0	1201.8	1077.7	897.4	536.6	266.0
107.5°	1810.2	1822.0	1810.2	1798.4	1795.4	1535.8	1189.6	1016.5	857.4	539.3	300.7
110°	1899.8	1950.6	1899.8	1849.0	1836.3	1546.0	1158.9	965.4	822.0	535.2	320.1



TEST NUMBER: P935683

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1907.8	1985.9	1907.8	1829.8	1810.3	1513.2	1117.0	919.0	791.1	535.3	343.5
115°	1857.2	1965.5	1857.2	1749.0	1722.0	1435.7	1054.0	863.2	755.6	540.3	378.8
117.5°	1750.0	1869.9	1750.0	1629.9	1599.9	1341.6	997.1	825.0	733.5	550.4	413.0
120°	1663.5	1780.1	1663.5	1546.9	1517.7	1281.7	967.1	809.7	726.0	558.6	433.0
122.5°	1579.3	1694.3	1579.3	1464.3	1435.5	1223.0	939.7	798.0	722.0	570.3	456.4
125°	1459.2	1565.2	1459.2	1353.3	1326.8	1146.2	905.5	785.2	718.8	586.1	486.5
127.5°	1351.2	1440.6	1351.2	1261.9	1239.5	1084.5	877.7	774.4	716.9	601.9	515.6
130°	1287.6	1370.2	1287.6	1205.0	1184.4	1046.3	862.4	770.4	718.1	613.5	535.0
132.5°	1229.8	1303.8	1229.8	1155.9	1137.4	1013.9	849.1	766.8	718.8	622.9	550.9
135°	1150.8	1214.5	1150.8	1087.1	1071.1	967.7	829.7	760.7	718.1	633.0	569.2
137.5°	1087.3	1139.4	1087.3	1035.0	1022.0	934.5	817.9	759.6	722.5	648.3	592.7
140°	1043.7	1092.5	1043.7	995.0	982.7	907.2	806.4	756.1	723.3	657.8	608.6
142.5°	1007.6	1049.6	1007.6	965.6	955.1	888.8	800.3	756.1	725.9	665.6	620.3
145°	953.6	985.3	953.6	921.8	913.8	859.5	787.1	750.9	725.9	675.7	638.1
147.5°	912.0	938.3	912.0	885.7	879.1	836.4	779.4	750.9	730.8	690.7	660.6
150°	885.9	907.2	885.9	864.5	859.2	823.1	775.0	750.9	733.5	698.6	672.4
152.5°	863.4	879.6	863.4	847.4	843.3	812.6	771.4	750.9	735.2	703.7	680.0
155°	837.8	848.5	837.8	827.2	824.5	799.9	767.3	750.9	738.9	714.8	696.8
157.5°	817.5	825.0	817.5	810.0	808.1	789.1	763.7	750.9	742.7	726.1	713.7
160°	805.4	809.7	805.4	801.0	799.9	783.6	761.8	750.9	744.3	731.2	721.4
162.5°	797.5	801.5	797.5	793.3	792.3	778.5	760.1	750.9	746.2	736.6	729.5
165°	785.9	790.3	785.9	781.6	780.5	770.7	757.5	750.9	748.8	744.5	741.3
167.5°	777.8	779.5	777.8	776.0	775.5	769.0	760.4	756.1	754.3	750.6	747.9
170°	775.5	775.5	775.5	775.5	775.5	769.0	760.4	756.1	756.0	755.8	755.6
172.5°	769.4	767.8	769.4	771.0	771.3	766.2	759.4	756.1	756.1	756.1	756.1
175°	765.7	765.7	765.7	765.7	765.7	762.5	758.2	756.1	757.1	759.1	760.7
177.5°	762.5	760.7	762.5	764.2	764.7	762.2	758.7	757.1	757.8	759.5	760.7
180°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7



TEST NUMBER: P935683

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1396.6	1388.7	1388.7	1375.7	1370.4	1366.6	1360.1	1340.6	1335.3	1330.1	1337.9
5°	1408.3	1393.9	1383.6	1360.1	1340.6	1332.7	1307.9	1261.1	1229.7	1206.4	1193.4
7.5°	1410.9	1392.6	1373.1	1336.6	1289.7	1268.9	1193.4	1107.4	1083.9	1063.0	1050.0
10°	1408.3	1387.4	1360.1	1305.4	1194.6	1158.2	1082.5	1026.5	1012.2	1008.3	1012.2
12.5°	1399.1	1379.6	1341.8	1250.6	1095.6	1070.9	1026.5	994.0	991.4	997.9	1033.0
15°	1383.6	1365.3	1320.9	1177.7	1040.9	1022.7	991.4	979.7	994.0	1039.5	1145.1
17.5°	1367.9	1347.1	1292.4	1106.0	999.2	986.2	964.0	987.5	1068.2	1129.5	1164.7
20°	1347.1	1322.3	1259.7	1053.9	969.2	957.5	947.1	1052.7	1113.9	1136.0	1155.5
22.5°	1322.3	1296.2	1215.4	1017.5	938.0	928.8	935.3	1089.1	1113.9	1129.5	1146.4
25°	1289.7	1267.6	1163.4	988.8	913.2	902.8	927.5	1085.2	1099.5	1103.4	1137.3
27.5°	1259.7	1231.1	1108.7	962.7	883.3	879.3	934.0	1068.2	1078.7	1082.5	1119.0
30°	1223.2	1180.2	1047.4	935.3	852.0	850.7	935.3	1047.4	1044.8	1055.2	1091.7
32.5°	1185.5	1104.7	978.3	901.5	822.0	820.7	926.2	1016.2	1013.5	1027.9	1055.2
35°	1150.4	1046.1	884.5	862.5	784.3	785.5	904.1	979.7	981.0	994.0	1010.9
37.5°	1113.9	995.3	781.6	819.5	747.8	747.8	874.1	945.8	943.2	947.1	970.5
40°	1070.9	915.8	690.5	763.4	713.9	710.0	837.7	909.3	900.2	898.9	931.5
42.5°	1025.2	828.5	622.8	689.1	674.8	669.6	793.3	865.0	848.1	852.0	893.7
45°	975.7	805.1	570.6	582.3	634.4	630.5	745.1	814.2	802.5	813.0	855.9
47.5°	926.2	758.2	553.6	483.3	591.4	590.1	691.8	764.7	758.2	768.6	814.2
50°	858.5	706.1	552.4	414.3	543.3	548.4	627.9	716.5	716.5	725.6	773.8
52.5°	771.2	642.3	501.6	375.2	487.2	502.9	571.9	674.8	677.4	686.6	729.5
55°	691.8	575.8	465.1	345.2	420.8	454.6	517.2	631.8	637.1	646.1	685.3
57.5°	618.8	479.4	457.3	310.1	359.6	392.1	468.9	590.1	592.8	600.6	638.3
60°	540.6	346.5	419.4	272.2	306.2	330.9	424.7	540.6	549.8	554.9	587.6
62.5°	452.1	251.4	380.4	246.2	280.1	285.3	388.2	493.7	505.4	509.4	528.9
65°	321.7	211.0	323.1	224.1	252.7	254.0	349.1	445.6	455.9	462.4	476.8
67.5°	217.5	172.0	246.2	203.2	231.9	233.2	311.4	389.5	403.9	409.1	418.2
70°	151.2	114.7	182.4	181.1	208.4	211.0	271.0	338.7	351.7	355.7	360.9
72.5°	110.7	92.5	151.2	162.9	183.7	186.3	229.2	281.4	294.4	298.4	300.9
75°	84.7	97.7	122.5	142.0	156.3	157.7	187.6	229.2	238.4	241.0	242.3
77.5°	67.7	91.2	89.9	114.7	127.7	125.0	147.2	177.2	185.0	185.0	185.0
80°	50.8	71.7	67.7	82.0	93.8	91.2	105.5	126.4	129.0	131.5	130.3
82.5°	37.8	45.6	45.6	52.1	62.5	59.9	70.3	82.0	82.0	82.0	84.7
85°	23.5	26.0	20.8	27.3	35.2	33.9	39.0	44.3	45.6	45.6	43.0
87.5°	14.3	11.7	6.5	10.5	15.7	15.7	18.2	19.5	18.2	18.2	18.2
90°	13.3	9.2	5.1	9.2	13.3	14.3	22.5	33.3	38.7	34.4	25.8
92.5°	89.8	55.1	20.4	55.1	89.8	98.5	138.5	191.9	218.5	191.5	137.5
95°	176.1	112.5	49.0	112.5	176.1	192.0	340.9	539.3	638.6	569.9	432.5
97.5°	196.8	140.7	84.7	140.7	196.8	210.8	459.1	790.1	955.6	912.1	825.3
100°	214.0	163.2	112.3	163.2	214.0	226.7	502.2	869.5	1053.1	1056.3	1062.7
102.5°	230.6	183.2	135.8	183.2	230.6	242.5	521.9	894.5	1080.8	1136.2	1246.9
105°	256.0	215.8	175.6	215.8	256.0	266.0	536.6	897.4	1077.7	1201.8	1450.0
107.5°	291.4	253.9	216.4	253.9	291.4	300.7	539.3	857.4	1016.5	1189.6	1535.8
110°	311.6	277.9	244.0	277.9	311.6	320.1	535.2	822.0	965.4	1158.9	1546.0



TEST NUMBER: P935683

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	335.4	303.3	271.1	303.3	335.4	343.5	535.3	791.1	919.0	1117.0	1513.2
115°	371.4	341.6	311.9	341.6	371.4	378.8	540.3	755.6	863.2	1054.0	1435.7
117.5°	406.3	379.3	352.3	379.3	406.3	413.0	550.4	733.5	825.0	997.1	1341.6
120°	426.6	401.2	375.8	401.2	426.6	433.0	558.6	726.0	809.7	967.1	1281.7
122.5°	450.0	424.4	398.7	424.4	450.0	456.4	570.3	722.0	798.0	939.7	1223.0
125°	480.7	457.3	433.9	457.3	480.7	486.5	586.1	718.8	785.2	905.5	1146.2
127.5°	509.7	486.1	462.5	486.1	509.7	515.6	601.9	716.9	774.4	877.7	1084.5
130°	528.7	503.3	477.8	503.3	528.7	535.0	613.5	718.1	770.4	862.4	1046.3
132.5°	544.6	519.1	493.7	519.1	544.6	550.9	622.9	718.8	766.8	849.1	1013.9
135°	563.4	540.3	517.2	540.3	563.4	569.2	633.0	718.1	760.7	829.7	967.7
137.5°	587.0	564.0	541.1	564.0	587.0	592.7	648.3	722.5	759.6	817.9	934.5
140°	603.2	582.1	561.0	582.1	603.2	608.6	657.8	723.3	756.1	806.4	907.2
142.5°	615.4	595.8	576.3	595.8	615.4	620.3	665.6	725.9	756.1	800.3	888.8
145°	633.9	616.8	599.9	616.8	633.9	638.1	675.7	725.9	750.9	787.1	859.5
147.5°	656.5	639.9	623.3	639.9	656.5	660.6	690.7	730.8	750.9	779.4	836.4
150°	668.6	653.6	638.6	653.6	668.6	672.4	698.6	733.5	750.9	775.0	823.1
152.5°	677.2	665.8	654.5	665.8	677.2	680.0	703.7	735.2	750.9	771.4	812.6
155°	694.7	686.4	678.0	686.4	694.7	696.8	714.8	738.9	750.9	767.3	799.9
157.5°	711.6	703.5	695.3	703.5	711.6	713.7	726.1	742.7	750.9	763.7	789.1
160°	719.8	713.4	707.1	713.4	719.8	721.4	731.2	744.3	750.9	761.8	783.6
162.5°	728.4	723.5	718.8	723.5	728.4	729.5	736.6	746.2	750.9	760.1	778.5
165°	740.2	735.9	731.5	735.9	740.2	741.3	744.5	748.8	750.9	757.5	770.7
167.5°	747.4	745.3	743.3	745.3	747.4	747.9	750.6	754.3	756.1	760.4	769.0
170°	755.1	753.0	750.9	753.0	755.1	755.6	755.8	756.0	756.1	760.4	769.0
172.5°	756.0	755.5	755.1	755.5	756.0	756.1	756.1	756.1	756.1	759.4	766.2
175°	760.7	760.7	760.7	760.7	760.7	760.7	759.1	757.1	756.1	758.2	762.5
177.5°	760.7	760.7	760.7	760.7	760.7	760.7	759.5	757.8	757.1	758.7	762.2
180°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7



TEST NUMBER: P935683

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1328.8	1324.9	1330.1	1315.7	1330.1	1324.9	1328.8	1337.9	1330.1	1335.3	1340.6
5°	1165.9	1159.4	1138.6	1121.7	1138.6	1159.4	1165.9	1193.4	1206.4	1229.7	1261.1
7.5°	1042.2	1037.0	1031.8	1021.3	1031.8	1037.0	1042.2	1050.0	1063.0	1083.9	1107.4
10°	1014.8	1016.2	1024.0	1022.7	1024.0	1016.2	1014.8	1012.2	1008.3	1012.2	1026.5
12.5°	1085.2	1096.9	1139.9	1137.3	1139.9	1096.9	1085.2	1033.0	997.9	991.4	994.0
15°	1165.9	1169.9	1179.0	1180.2	1179.0	1169.9	1165.9	1145.1	1039.5	994.0	979.7
17.5°	1173.7	1175.1	1181.6	1181.6	1181.6	1175.1	1173.7	1164.7	1129.5	1068.2	987.5
20°	1167.2	1169.9	1182.9	1185.5	1182.9	1169.9	1167.2	1155.5	1136.0	1113.9	1052.7
22.5°	1164.7	1169.9	1180.2	1179.0	1180.2	1169.9	1164.7	1146.4	1129.5	1113.9	1089.1
25°	1151.6	1151.6	1152.9	1154.2	1152.9	1151.6	1151.6	1137.3	1103.4	1099.5	1085.2
27.5°	1124.2	1126.9	1134.7	1133.4	1134.7	1126.9	1124.2	1119.0	1082.5	1078.7	1068.2
30°	1099.5	1096.9	1090.4	1085.2	1090.4	1096.9	1099.5	1091.7	1055.2	1044.8	1047.4
32.5°	1057.8	1051.3	1044.8	1040.9	1044.8	1051.3	1057.8	1055.2	1027.9	1013.5	1016.2
35°	1008.3	1009.7	1008.3	1004.4	1008.3	1009.7	1008.3	1010.9	994.0	981.0	979.7
37.5°	973.2	975.7	974.5	969.2	974.5	975.7	973.2	970.5	947.1	943.2	945.8
40°	936.7	938.0	936.7	932.8	936.7	938.0	936.7	931.5	898.9	900.2	909.3
42.5°	901.5	900.2	896.3	893.7	896.3	900.2	901.5	893.7	852.0	848.1	865.0
45°	861.1	862.5	854.6	850.7	854.6	862.5	861.1	855.9	813.0	802.5	814.2
47.5°	820.7	820.7	814.2	810.3	814.2	820.7	820.7	814.2	768.6	758.2	764.7
50°	777.8	776.5	767.3	766.0	767.3	776.5	777.8	773.8	725.6	716.5	716.5
52.5°	728.3	728.3	729.5	732.1	729.5	728.3	728.3	729.5	686.6	677.4	674.8
55°	685.3	686.6	695.6	698.3	695.6	686.6	685.3	685.3	646.1	637.1	631.8
57.5°	640.9	640.9	647.5	647.5	647.5	640.9	640.9	638.3	600.6	592.8	590.1
60°	590.1	592.8	597.9	596.6	597.9	592.8	590.1	587.6	554.9	549.8	540.6
62.5°	536.7	539.3	540.6	538.1	540.6	539.3	536.7	528.9	509.4	505.4	493.7
65°	480.7	483.3	484.6	482.1	484.6	483.3	480.7	476.8	462.4	455.9	445.6
67.5°	423.4	422.1	420.8	426.0	420.8	422.1	423.4	418.2	409.1	403.9	389.5
70°	364.7	364.7	363.4	366.1	363.4	364.7	364.7	360.9	355.7	351.7	338.7
72.5°	302.2	300.9	306.2	302.2	306.2	300.9	302.2	300.9	298.4	294.4	281.4
75°	241.0	243.6	241.0	244.9	241.0	243.6	241.0	242.3	241.0	238.4	229.2
77.5°	183.7	186.3	183.7	183.7	183.7	186.3	183.7	185.0	185.0	185.0	177.2
80°	130.3	129.0	129.0	127.7	129.0	129.0	130.3	130.3	131.5	129.0	126.4
82.5°	83.4	82.0	82.0	84.7	82.0	82.0	83.4	84.7	82.0	82.0	82.0
85°	45.6	46.9	44.3	44.3	44.3	46.9	45.6	43.0	45.6	45.6	44.3
87.5°	17.0	15.7	15.7	15.7	15.7	15.7	17.0	18.2	18.2	18.2	19.5
90°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	25.8	34.4	38.7	33.3
92.5°	97.0	93.2	77.7	62.3	77.7	93.2	97.0	137.5	191.5	218.5	191.9
95°	329.3	317.6	270.9	224.1	270.9	317.6	329.3	432.5	569.9	638.6	539.3
97.5°	760.1	737.9	649.0	560.0	649.0	737.9	760.1	825.3	912.1	955.6	790.1
100°	1067.4	1040.9	935.0	829.0	935.0	1040.9	1067.4	1062.7	1056.3	1053.1	869.5
102.5°	1329.9	1307.2	1216.4	1125.7	1216.4	1307.2	1329.9	1246.9	1136.2	1080.8	894.5
105°	1636.2	1623.9	1575.2	1526.4	1575.2	1623.9	1636.2	1450.0	1201.8	1077.7	897.4
107.5°	1795.4	1798.4	1810.2	1822.0	1810.2	1798.4	1795.4	1535.8	1189.6	1016.5	857.4
110°	1836.3	1849.0	1899.8	1950.6	1899.8	1849.0	1836.3	1546.0	1158.9	965.4	822.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1810.3	1829.8	1907.8	1985.9	1907.8	1829.8	1810.3	1513.2	1117.0	919.0	791.1
115°	1722.0	1749.0	1857.2	1965.5	1857.2	1749.0	1722.0	1435.7	1054.0	863.2	755.6
117.5°	1599.9	1629.9	1750.0	1869.9	1750.0	1629.9	1599.9	1341.6	997.1	825.0	733.5
120°	1517.7	1546.9	1663.5	1780.1	1663.5	1546.9	1517.7	1281.7	967.1	809.7	726.0
122.5°	1435.5	1464.3	1579.3	1694.3	1579.3	1464.3	1435.5	1223.0	939.7	798.0	722.0
125°	1326.8	1353.3	1459.2	1565.2	1459.2	1353.3	1326.8	1146.2	905.5	785.2	718.8
127.5°	1239.5	1261.9	1351.2	1440.6	1351.2	1261.9	1239.5	1084.5	877.7	774.4	716.9
130°	1184.4	1205.0	1287.6	1370.2	1287.6	1205.0	1184.4	1046.3	862.4	770.4	718.1
132.5°	1137.4	1155.9	1229.8	1303.8	1229.8	1155.9	1137.4	1013.9	849.1	766.8	718.8
135°	1071.1	1087.1	1150.8	1214.5	1150.8	1087.1	1071.1	967.7	829.7	760.7	718.1
137.5°	1022.0	1035.0	1087.3	1139.4	1087.3	1035.0	1022.0	934.5	817.9	759.6	722.5
140°	982.7	995.0	1043.7	1092.5	1043.7	995.0	982.7	907.2	806.4	756.1	723.3
142.5°	955.1	965.6	1007.6	1049.6	1007.6	965.6	955.1	888.8	800.3	756.1	725.9
145°	913.8	921.8	953.6	985.3	953.6	921.8	913.8	859.5	787.1	750.9	725.9
147.5°	879.1	885.7	912.0	938.3	912.0	885.7	879.1	836.4	779.4	750.9	730.8
150°	859.2	864.5	885.9	907.2	885.9	864.5	859.2	823.1	775.0	750.9	733.5
152.5°	843.3	847.4	863.4	879.6	863.4	847.4	843.3	812.6	771.4	750.9	735.2
155°	824.5	827.2	837.8	848.5	837.8	827.2	824.5	799.9	767.3	750.9	738.9
157.5°	808.1	810.0	817.5	825.0	817.5	810.0	808.1	789.1	763.7	750.9	742.7
160°	799.9	801.0	805.4	809.7	805.4	801.0	799.9	783.6	761.8	750.9	744.3
162.5°	792.3	793.3	797.5	801.5	797.5	793.3	792.3	778.5	760.1	750.9	746.2
165°	780.5	781.6	785.9	790.3	785.9	781.6	780.5	770.7	757.5	750.9	748.8
167.5°	775.5	776.0	777.8	779.5	777.8	776.0	775.5	769.0	760.4	756.1	754.3
170°	775.5	775.5	775.5	775.5	775.5	775.5	775.5	769.0	760.4	756.1	756.0
172.5°	771.3	771.0	769.4	767.8	769.4	771.0	771.3	766.2	759.4	756.1	756.1
175°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	762.5	758.2	756.1	757.1
177.5°	764.7	764.2	762.5	760.7	762.5	764.2	764.7	762.2	758.7	757.1	757.8
180°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1360.1	1366.6	1370.4	1375.7	1388.7
5°	1307.9	1332.7	1340.6	1360.1	1383.6
7.5°	1193.4	1268.9	1289.7	1336.6	1373.1
10°	1082.5	1158.2	1194.6	1305.4	1360.1
12.5°	1026.5	1070.9	1095.6	1250.6	1341.8
15°	991.4	1022.7	1040.9	1177.7	1320.9
17.5°	964.0	986.2	999.2	1106.0	1292.4
20°	947.1	957.5	969.2	1053.9	1259.7
22.5°	935.3	928.8	938.0	1017.5	1215.4
25°	927.5	902.8	913.2	988.8	1163.4
27.5°	934.0	879.3	883.3	962.7	1108.7
30°	935.3	850.7	852.0	935.3	1047.4
32.5°	926.2	820.7	822.0	901.5	978.3
35°	904.1	785.5	784.3	862.5	884.5
37.5°	874.1	747.8	747.8	819.5	781.6
40°	837.7	710.0	713.9	763.4	690.5
42.5°	793.3	669.6	674.8	689.1	622.8
45°	745.1	630.5	634.4	582.3	570.6
47.5°	691.8	590.1	591.4	483.3	553.6
50°	627.9	548.4	543.3	414.3	552.4
52.5°	571.9	502.9	487.2	375.2	501.6
55°	517.2	454.6	420.8	345.2	465.1
57.5°	468.9	392.1	359.6	310.1	457.3
60°	424.7	330.9	306.2	272.2	419.4
62.5°	388.2	285.3	280.1	246.2	380.4
65°	349.1	254.0	252.7	224.1	323.1
67.5°	311.4	233.2	231.9	203.2	246.2
70°	271.0	211.0	208.4	181.1	182.4
72.5°	229.2	186.3	183.7	162.9	151.2
75°	187.6	157.7	156.3	142.0	122.5
77.5°	147.2	125.0	127.7	114.7	89.9
80°	105.5	91.2	93.8	82.0	67.7
82.5°	70.3	59.9	62.5	52.1	45.6
85°	39.0	33.9	35.2	27.3	20.8
87.5°	18.2	15.7	15.7	10.5	6.5
90°	22.5	14.3	13.3	9.2	5.1
92.5°	138.5	98.5	89.8	55.1	20.4
95°	340.9	192.0	176.1	112.5	49.0
97.5°	459.1	210.8	196.8	140.7	84.7
100°	502.2	226.7	214.0	163.2	112.3
102.5°	521.9	242.5	230.6	183.2	135.8
105°	536.6	266.0	256.0	215.8	175.6
107.5°	539.3	300.7	291.4	253.9	216.4
110°	535.2	320.1	311.6	277.9	244.0



TEST NUMBER: P935683

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	535.3	343.5	335.4	303.3	271.1
115°	540.3	378.8	371.4	341.6	311.9
117.5°	550.4	413.0	406.3	379.3	352.3
120°	558.6	433.0	426.6	401.2	375.8
122.5°	570.3	456.4	450.0	424.4	398.7
125°	586.1	486.5	480.7	457.3	433.9
127.5°	601.9	515.6	509.7	486.1	462.5
130°	613.5	535.0	528.7	503.3	477.8
132.5°	622.9	550.9	544.6	519.1	493.7
135°	633.0	569.2	563.4	540.3	517.2
137.5°	648.3	592.7	587.0	564.0	541.1
140°	657.8	608.6	603.2	582.1	561.0
142.5°	665.6	620.3	615.4	595.8	576.3
145°	675.7	638.1	633.9	616.8	599.9
147.5°	690.7	660.6	656.5	639.9	623.3
150°	698.6	672.4	668.6	653.6	638.6
152.5°	703.7	680.0	677.2	665.8	654.5
155°	714.8	696.8	694.7	686.4	678.0
157.5°	726.1	713.7	711.6	703.5	695.3
160°	731.2	721.4	719.8	713.4	707.1
162.5°	736.6	729.5	728.4	723.5	718.8
165°	744.5	741.3	740.2	735.9	731.5
167.5°	750.6	747.9	747.4	745.3	743.3
170°	755.8	755.6	755.1	753.0	750.9
172.5°	756.1	756.1	756.0	755.5	755.1
175°	759.1	760.7	760.7	760.7	760.7
177.5°	759.5	760.7	760.7	760.7	760.7
180°	760.7	760.7	760.7	760.7	760.7



TEST NUMBER: P935683
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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	12.86	13.65	13.88	14.68	16.06	15.66	16.45	16.68	17.48	18.86
	3H	13.33	14.04	14.36	15.08	16.48	16.99	17.70	18.02	18.74	20.14
	4H	13.52	14.19	14.56	15.24	16.64	17.42	18.10	18.47	19.14	20.55
	6H	13.64	14.26	14.69	15.30	16.72	17.70	18.32	18.75	19.36	20.78
	8H	13.63	14.22	14.69	15.29	16.70	17.76	18.35	18.82	19.42	20.83
	12H	13.60	14.16	14.67	15.22	16.66	17.80	18.36	18.86	19.41	20.85
4H	2H	13.88	14.55	14.93	15.59	17.00	16.06	16.73	17.11	17.78	19.18
	3H	14.90	15.46	15.96	16.53	17.95	17.55	18.11	18.61	19.18	20.60
	4H	15.17	15.68	16.24	16.75	18.19	18.07	18.58	19.13	19.64	21.09
	6H	15.29	15.73	16.37	16.82	18.25	18.42	18.86	19.50	19.95	21.38
	8H	15.30	15.71	16.37	16.78	18.24	18.52	18.93	19.60	20.01	21.46
	12H	15.26	15.63	16.35	16.72	18.18	18.57	18.94	19.66	20.03	21.49
8H	4H	15.61	16.03	16.69	17.10	18.56	18.19	18.60	19.26	19.68	21.13
	6H	15.87	16.21	16.97	17.33	18.78	18.61	18.95	19.71	20.07	21.52
	8H	15.91	16.21	17.02	17.31	18.78	18.76	19.06	19.86	20.16	21.63
	12H	15.89	16.16	17.00	17.25	18.76	18.85	19.11	19.96	20.21	21.72
12H	4H	15.61	15.99	16.71	17.08	18.54	18.15	18.52	19.24	19.61	21.07
	6H	15.93	16.23	17.04	17.33	18.80	18.61	18.91	19.72	20.01	21.48
	8H	15.99	16.26	17.10	17.35	18.86	18.76	19.03	19.87	20.12	21.63