

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: P935657

Luminaire Tested: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935657
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-93050-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

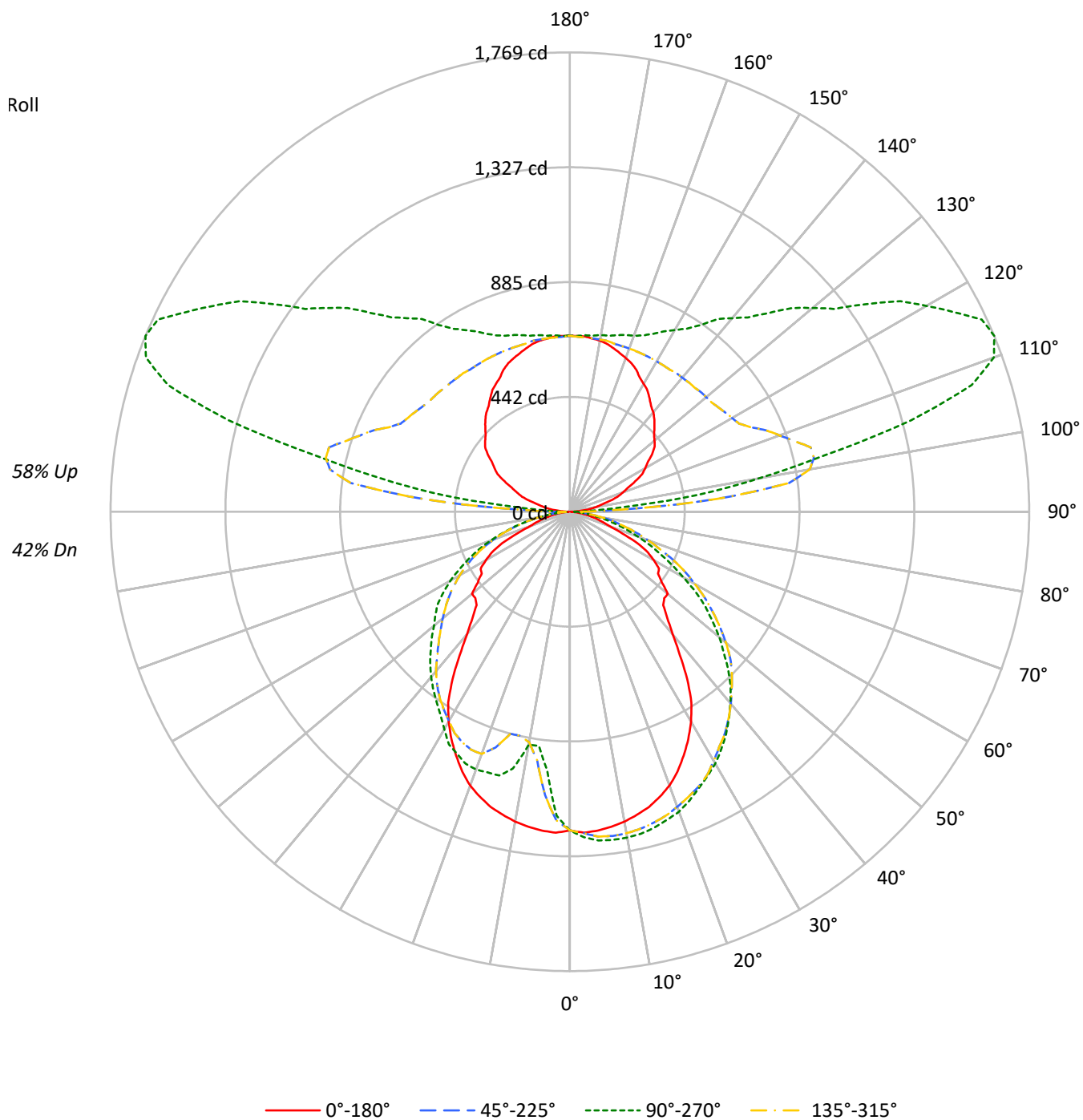
Lumens per Lamp: N/A
Luminaire Lumens: 7575.4 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

TEST NUMBER: P935657

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3000K

Luminous Intensity Polar Plot



TEST NUMBER: P935657

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11381	11381	11381	11381
5°	11454	11490	11454	9035
10°	11365	11318	11365	8092
15°	11229	11072	11229	9245
20°	10981	10782	10981	9265
25°	10488	10358	10488	9068
30°	9855	10006	9855	8638
35°	8772	9562	8772	8164
40°	7298	9038	7298	7806
45°	6508	8425	6508	7395
50°	6897	7694	6897	6982
55°	6471	6906	6471	6742
60°	6646	5865	6646	6175
65°	5998	4848	5998	5420
70°	4125	3865	4125	4543
75°	3578	2856	3578	3421
80°	2822	1888	2822	2056
85°	1532	1000	1532	849

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 9993 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	1.5
10°-20°	314.4	4.1
20°-30°	486.0	6.4
30°-40°	580.1	7.7
40°-50°	583.5	7.7
50°-60°	507.7	6.7
60°-70°	360.0	4.8
70°-80°	190.5	2.5
80°-90°	50.0	0.7
90°-100°	330.3	4.4
100°-110°	868.4	11.5
110°-120°	900.4	11.9
120°-130°	722.2	9.5
130°-140°	566.7	7.5
140°-150°	434.9	5.7
150°-160°	313.2	4.1
160°-170°	191.7	2.5
170°-180°	64.7	0.9
0°-30°	911.0	12.0
0°-40°	1491.2	19.7
0°-60°	2582.4	34.1
0°-90°	3182.9	42.0
90°-120°	2099.0	27.7
90°-150°	3822.8	50.5
90°-180°	4392.0	58.0
0°-180°	7575.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1226	1226	1226	1226	1226	
5°	1232	1271	1232	999	1232	117
15°	1177	1259	1177	1051	1177	331
25°	1036	1174	1036	1028	1036	476
35°	788	1048	788	895	788	487
45°	508	863	508	758	508	407
55°	414	637	414	622	414	381
65°	288	384	288	429	288	275
75°	109	182	109	218	109	115
85°	18	46	18	39	18	25
90°	5	17	5	17	5	5
95°	44	200	44	200	44	48
105°	156	1360	156	1360	156	166
115°	278	1751	278	1751	278	274
125°	386	1394	386	1394	386	343
135°	461	1082	461	1082	461	356
145°	534	878	534	878	534	335
155°	604	756	604	756	604	277
165°	652	704	652	704	652	184
175°	678	682	678	682	678	64
180°	678	678	678	678	678	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5
2.5°	1237.0	1237.0	1244.0	1246.3	1246.3	1242.8	1239.4	1242.8	1253.2	1256.8	1255.6
5°	1232.4	1241.7	1254.5	1256.8	1259.0	1257.9	1255.6	1257.9	1269.5	1271.9	1273.0
7.5°	1223.1	1240.5	1256.8	1260.3	1263.7	1260.3	1259.0	1261.4	1273.0	1275.3	1275.3
10°	1211.5	1235.9	1254.5	1256.8	1260.3	1256.8	1256.8	1261.4	1273.0	1275.3	1276.5
12.5°	1195.3	1228.9	1246.3	1248.7	1253.2	1252.1	1251.0	1255.6	1267.2	1269.5	1269.5
15°	1176.7	1216.2	1232.4	1234.7	1242.8	1240.5	1240.5	1245.2	1257.9	1261.4	1260.3
17.5°	1151.2	1199.9	1218.5	1222.0	1227.8	1226.5	1227.8	1232.4	1244.0	1246.3	1247.5
20°	1122.1	1177.9	1199.9	1203.4	1209.2	1209.2	1209.2	1215.0	1226.5	1231.2	1231.2
22.5°	1082.7	1154.6	1177.9	1180.2	1187.1	1187.1	1189.5	1197.6	1208.0	1209.2	1209.2
25°	1036.3	1129.1	1148.8	1155.8	1162.8	1166.2	1169.7	1174.4	1177.9	1176.7	1177.9
27.5°	987.6	1096.6	1122.1	1126.8	1136.1	1139.6	1144.2	1145.4	1146.5	1150.0	1147.7
30°	933.0	1051.3	1089.6	1094.3	1109.4	1111.7	1107.1	1109.4	1115.2	1117.6	1119.8
32.5°	871.5	984.0	1056.0	1066.4	1080.4	1073.4	1072.2	1075.7	1085.1	1085.1	1087.3
35°	787.9	931.9	1024.7	1033.9	1044.4	1036.3	1040.9	1042.1	1047.9	1051.3	1050.2
37.5°	696.2	886.6	992.2	999.2	1007.2	996.8	1003.8	1007.2	1011.9	1009.6	1009.6
40°	615.1	815.8	953.9	958.5	965.5	957.3	964.3	966.7	968.9	966.7	965.5
42.5°	554.7	738.0	913.3	919.1	914.4	920.2	922.6	927.2	923.7	919.1	919.1
45°	508.3	717.1	869.2	876.1	869.2	878.5	881.9	881.9	871.5	869.2	868.0
47.5°	493.2	675.4	825.1	825.1	821.6	833.2	839.0	830.9	820.4	817.0	817.0
50°	492.0	629.0	764.7	760.1	776.3	790.3	784.5	776.3	768.2	755.4	755.4
52.5°	446.8	572.1	687.0	704.4	730.0	738.0	728.7	720.6	706.7	700.9	696.2
55°	414.3	512.9	616.2	651.0	677.7	688.1	670.8	662.6	641.7	638.3	635.9
57.5°	407.4	427.0	551.2	595.3	627.8	626.7	616.2	601.1	583.7	580.2	579.1
60°	373.6	308.6	481.6	533.8	567.5	564.0	554.7	540.8	524.5	522.2	519.9
62.5°	338.8	224.0	402.7	461.9	509.4	508.3	500.2	479.3	467.7	461.9	457.2
65°	287.8	188.0	286.6	384.1	452.6	454.9	437.5	422.4	409.6	402.7	401.5
67.5°	219.3	153.2	193.8	320.3	398.0	395.7	373.6	366.7	350.4	346.9	340.0
70°	162.5	102.1	134.6	260.0	344.6	338.8	321.5	313.3	298.3	290.1	285.4
72.5°	134.6	82.4	98.6	201.9	290.1	283.2	268.1	258.7	246.0	239.1	234.4
75°	109.1	87.0	75.4	149.7	235.6	230.9	217.0	207.7	197.3	188.0	189.2
77.5°	80.1	81.2	60.3	110.2	186.8	179.9	171.7	160.1	155.5	146.2	146.2
80°	60.3	63.9	45.2	75.4	134.6	134.6	127.6	119.5	111.4	106.8	106.8
82.5°	40.6	40.6	33.6	47.6	91.7	88.2	83.5	81.2	76.6	74.3	74.3
85°	18.5	23.2	20.9	29.0	49.9	52.3	52.3	49.9	48.7	46.4	47.6
87.5°	5.8	10.5	12.7	16.2	25.6	26.7	27.8	27.8	27.8	29.0	29.0
90°	4.6	8.2	11.9	12.7	20.0	29.7	34.5	30.7	23.0	17.3	17.3
92.5°	18.2	49.1	80.0	87.7	123.4	170.9	194.6	170.6	122.5	86.4	83.0
95°	43.7	100.2	156.9	171.0	303.6	480.4	568.9	507.7	385.2	293.4	282.9
97.5°	75.4	125.3	175.3	187.8	408.9	703.8	851.2	812.5	735.1	677.1	657.3
100°	100.0	145.4	190.6	201.9	447.3	774.5	938.1	940.9	946.6	950.8	927.2
102.5°	120.9	163.2	205.4	216.0	464.9	796.8	962.7	1012.1	1110.7	1184.7	1164.5
105°	156.4	192.3	228.0	237.0	478.0	799.3	960.0	1070.6	1291.6	1457.5	1446.6
107.5°	192.8	226.2	259.5	267.9	480.4	763.8	905.4	1059.7	1368.0	1599.3	1601.9
110°	217.4	247.5	277.5	285.1	476.7	732.2	859.9	1032.4	1377.2	1635.7	1647.1

TEST NUMBER: P935657

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	241.4	270.2	298.8	306.0	476.8	704.7	818.6	995.0	1347.9	1612.6	1630.0
115°	277.8	304.3	330.9	337.4	481.3	673.0	769.0	938.9	1278.9	1533.9	1557.9
117.5°	313.8	337.9	361.9	367.9	490.3	653.4	734.9	888.2	1195.0	1425.1	1451.8
120°	334.7	357.4	380.0	385.7	497.6	646.7	721.3	861.4	1141.7	1352.0	1378.0
122.5°	355.2	378.0	400.9	406.6	508.0	643.2	710.8	837.0	1089.4	1278.7	1304.4
125°	386.5	407.4	428.2	433.4	522.1	640.3	699.4	806.6	1021.0	1181.8	1205.5
127.5°	412.0	433.0	454.0	459.3	536.1	638.6	689.8	781.9	966.0	1104.1	1124.0
130°	425.6	448.3	470.9	476.6	546.5	639.7	686.2	768.2	932.1	1055.0	1073.4
132.5°	439.8	462.4	485.1	490.7	554.8	640.3	683.1	756.4	903.2	1013.2	1029.6
135°	460.7	481.3	501.9	507.0	563.9	639.7	677.6	739.1	862.0	954.1	968.3
137.5°	482.0	502.4	522.9	527.9	577.5	643.6	676.6	728.6	832.5	910.4	922.0
140°	499.8	518.5	537.3	542.1	585.9	644.3	673.5	718.4	808.1	875.4	886.3
142.5°	513.4	530.8	548.1	552.5	592.9	646.6	673.5	712.9	791.7	850.8	860.1
145°	534.4	549.5	564.7	568.4	601.9	646.6	668.9	701.1	765.6	814.0	821.1
147.5°	555.3	570.0	584.8	588.5	615.2	651.0	668.9	694.3	745.1	783.1	789.0
150°	568.9	582.2	595.6	598.9	622.3	653.4	668.9	690.3	733.2	765.4	770.1
152.5°	583.0	593.1	603.2	605.8	626.8	654.9	668.9	687.2	723.8	751.2	754.8
155°	603.9	611.4	618.9	620.7	636.8	658.2	668.9	683.5	712.6	734.4	736.8
157.5°	619.4	626.7	633.9	635.7	646.8	661.5	668.9	680.2	702.9	719.9	721.5
160°	629.8	635.5	641.2	642.6	651.3	663.0	668.9	678.6	698.0	712.6	713.5
162.5°	640.3	644.5	648.8	649.9	656.2	664.7	668.9	677.1	693.5	705.8	706.7
165°	651.6	655.5	659.3	660.3	663.2	667.0	668.9	674.8	686.5	695.3	696.2
167.5°	662.2	663.9	665.8	666.2	668.7	671.9	673.5	677.3	685.0	690.8	691.2
170°	668.9	670.8	672.6	673.0	673.2	673.4	673.5	677.3	685.0	690.8	690.8
172.5°	672.6	673.0	673.4	673.5	673.5	673.5	673.5	676.5	682.5	687.1	686.7
175°	677.6	677.6	677.6	677.6	676.2	674.4	673.5	675.4	679.2	682.1	682.1
177.5°	677.6	677.6	677.6	677.6	676.6	675.1	674.4	675.9	678.9	681.2	680.8
180°	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5
2.5°	1257.9	1254.5	1257.9	1255.6	1256.8	1253.2	1242.8	1239.4	1242.8	1246.3	1246.3
5°	1273.0	1270.7	1273.0	1273.0	1271.9	1269.5	1257.9	1255.6	1257.9	1259.0	1256.8
7.5°	1277.7	1274.2	1277.7	1275.3	1275.3	1273.0	1261.4	1259.0	1260.3	1263.7	1260.3
10°	1277.7	1274.2	1277.7	1276.5	1275.3	1273.0	1261.4	1256.8	1256.8	1260.3	1256.8
12.5°	1271.9	1269.5	1271.9	1269.5	1269.5	1267.2	1255.6	1251.0	1252.1	1253.2	1248.7
15°	1262.6	1259.0	1262.6	1260.3	1261.4	1257.9	1245.2	1240.5	1240.5	1242.8	1234.7
17.5°	1248.7	1244.0	1248.7	1247.5	1246.3	1244.0	1232.4	1227.8	1226.5	1227.8	1222.0
20°	1232.4	1228.9	1232.4	1231.2	1231.2	1226.5	1215.0	1209.2	1209.2	1209.2	1203.4
22.5°	1206.9	1203.4	1206.9	1209.2	1209.2	1208.0	1197.6	1189.5	1187.1	1187.1	1180.2
25°	1177.9	1174.4	1177.9	1177.9	1176.7	1177.9	1174.4	1169.7	1166.2	1162.8	1155.8
27.5°	1150.0	1147.7	1150.0	1147.7	1150.0	1146.5	1145.4	1144.2	1139.6	1136.1	1126.8
30°	1122.1	1119.8	1122.1	1119.8	1117.6	1115.2	1109.4	1107.1	1111.7	1109.4	1094.3
32.5°	1087.3	1085.1	1087.3	1087.3	1085.1	1085.1	1075.7	1072.2	1073.4	1080.4	1066.4
35°	1051.3	1047.9	1051.3	1050.2	1051.3	1047.9	1042.1	1040.9	1036.3	1044.4	1033.9
37.5°	1009.6	1006.1	1009.6	1009.6	1009.6	1011.9	1007.2	1003.8	996.8	1007.2	999.2
40°	966.7	962.0	966.7	965.5	966.7	968.9	966.7	964.3	957.3	965.5	958.5
42.5°	917.9	916.8	917.9	919.1	919.1	923.7	927.2	922.6	920.2	914.4	919.1
45°	865.7	863.4	865.7	868.0	869.2	871.5	881.9	881.9	878.5	869.2	876.1
47.5°	810.0	804.2	810.0	817.0	817.0	820.4	830.9	839.0	833.2	821.6	825.1
50°	750.8	752.0	750.8	755.4	755.4	768.2	776.3	784.5	790.3	776.3	760.1
52.5°	692.8	691.7	692.8	696.2	700.9	706.7	720.6	728.7	738.0	730.0	704.4
55°	634.7	637.1	634.7	635.9	638.3	641.7	662.6	670.8	688.1	677.7	651.0
57.5°	576.8	573.3	576.8	579.1	580.2	583.7	601.1	616.2	626.7	627.8	595.3
60°	509.4	504.8	509.4	519.9	522.2	524.5	540.8	554.7	564.0	567.5	533.8
62.5°	450.2	442.1	450.2	457.2	461.9	467.7	479.3	500.2	508.3	509.4	461.9
65°	387.6	384.1	387.6	401.5	402.7	409.6	422.4	437.5	454.9	452.6	384.1
67.5°	330.8	330.8	330.8	340.0	346.9	350.4	366.7	373.6	395.7	398.0	320.3
70°	278.5	277.4	278.5	285.4	290.1	298.3	313.3	321.5	338.8	344.6	260.0
72.5°	228.6	227.5	228.6	234.4	239.1	246.0	258.7	268.1	283.2	290.1	201.9
75°	184.5	182.2	184.5	189.2	188.0	197.3	207.7	217.0	230.9	235.6	149.7
77.5°	141.6	141.6	141.6	146.2	146.2	155.5	160.1	171.7	179.9	186.8	110.2
80°	105.6	104.4	105.6	106.8	106.8	111.4	119.5	127.6	134.6	134.6	75.4
82.5°	74.3	71.9	74.3	74.3	74.3	76.6	81.2	83.5	88.2	91.7	47.6
85°	46.4	46.4	46.4	47.6	46.4	48.7	49.9	52.3	52.3	49.9	29.0
87.5°	30.2	29.0	30.2	29.0	29.0	27.8	27.8	27.8	26.7	25.6	16.2
90°	17.3	17.3	17.3	17.3	17.3	23.0	30.7	34.5	29.7	20.0	12.7
92.5°	69.2	55.5	69.2	83.0	86.4	122.5	170.6	194.6	170.9	123.4	87.7
95°	241.3	199.6	241.3	282.9	293.4	385.2	507.7	568.9	480.4	303.6	171.0
97.5°	578.1	498.9	578.1	657.3	677.1	735.1	812.5	851.2	703.8	408.9	187.8
100°	832.9	738.5	832.9	927.2	950.8	946.6	940.9	938.1	774.5	447.3	201.9
102.5°	1083.6	1002.8	1083.6	1164.5	1184.7	1110.7	1012.1	962.7	796.8	464.9	216.0
105°	1403.2	1359.7	1403.2	1446.6	1457.5	1291.6	1070.6	960.0	799.3	478.0	237.0
107.5°	1612.5	1623.0	1612.5	1601.9	1599.3	1368.0	1059.7	905.4	763.8	480.4	267.9
110°	1692.3	1737.5	1692.3	1647.1	1635.7	1377.2	1032.4	859.9	732.2	476.7	285.1

TEST NUMBER: P935657

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1699.4	1769.0	1699.4	1630.0	1612.6	1347.9	995.0	818.6	704.7	476.8	306.0
115°	1654.4	1750.8	1654.4	1557.9	1533.9	1278.9	938.9	769.0	673.0	481.3	337.4
117.5°	1558.8	1665.7	1558.8	1451.8	1425.1	1195.0	888.2	734.9	653.4	490.3	367.9
120°	1481.8	1585.7	1481.8	1378.0	1352.0	1141.7	861.4	721.3	646.7	497.6	385.7
122.5°	1406.8	1509.3	1406.8	1304.4	1278.7	1089.4	837.0	710.8	643.2	508.0	406.6
125°	1299.8	1394.2	1299.8	1205.5	1181.8	1021.0	806.6	699.4	640.3	522.1	433.4
127.5°	1203.6	1283.3	1203.6	1124.0	1104.1	966.0	781.9	689.8	638.6	536.1	459.3
130°	1147.0	1220.6	1147.0	1073.4	1055.0	932.1	768.2	686.2	639.7	546.5	476.6
132.5°	1095.5	1161.4	1095.5	1029.6	1013.2	903.2	756.4	683.1	640.3	554.8	490.7
135°	1025.1	1081.8	1025.1	968.3	954.1	862.0	739.1	677.6	639.7	563.9	507.0
137.5°	968.5	1015.0	968.5	922.0	910.4	832.5	728.6	676.6	643.6	577.5	527.9
140°	929.7	973.2	929.7	886.3	875.4	808.1	718.4	673.5	644.3	585.9	542.1
142.5°	897.5	935.0	897.5	860.1	850.8	791.7	712.9	673.5	646.6	592.9	552.5
145°	849.4	877.7	849.4	821.1	814.0	765.6	701.1	668.9	646.6	601.9	568.4
147.5°	812.3	835.8	812.3	789.0	783.1	745.1	694.3	668.9	651.0	615.2	588.5
150°	789.2	808.1	789.2	770.1	765.4	733.2	690.3	668.9	653.4	622.3	598.9
152.5°	769.1	783.5	769.1	754.8	751.2	723.8	687.2	668.9	654.9	626.8	605.8
155°	746.3	755.8	746.3	736.8	734.4	712.6	683.5	668.9	658.2	636.8	620.7
157.5°	728.2	734.9	728.2	721.5	719.9	702.9	680.2	668.9	661.5	646.8	635.7
160°	717.4	721.3	717.4	713.5	712.6	698.0	678.6	668.9	663.0	651.3	642.6
162.5°	710.4	714.0	710.4	706.7	705.8	693.5	677.1	668.9	664.7	656.2	649.9
165°	700.1	704.0	700.1	696.2	695.3	686.5	674.8	668.9	667.0	663.2	660.3
167.5°	692.8	694.4	692.8	691.2	690.8	685.0	677.3	673.5	671.9	668.7	666.2
170°	690.8	690.8	690.8	690.8	690.8	685.0	677.3	673.5	673.4	673.2	673.0
172.5°	685.3	683.9	685.3	686.7	687.1	682.5	676.5	673.5	673.5	673.5	673.5
175°	682.1	682.1	682.1	682.1	682.1	679.2	675.4	673.5	674.4	676.2	677.6
177.5°	679.2	677.6	679.2	680.8	681.2	678.9	675.9	674.4	675.1	676.6	677.6
180°	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6

TEST NUMBER: P935657

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5
2.5°	1244.0	1237.0	1237.0	1225.4	1220.8	1217.3	1211.5	1194.1	1189.5	1184.8	1191.8
5°	1254.5	1241.7	1232.4	1211.5	1194.1	1187.1	1165.1	1123.3	1095.4	1074.6	1063.0
7.5°	1256.8	1240.5	1223.1	1190.6	1148.8	1130.3	1063.0	986.4	965.5	946.9	935.3
10°	1254.5	1235.9	1211.5	1162.8	1064.1	1031.7	964.3	914.4	901.7	898.2	901.7
12.5°	1246.3	1228.9	1195.3	1114.0	976.0	953.9	914.4	885.4	883.1	888.9	920.2
15°	1232.4	1216.2	1176.7	1049.0	927.2	911.0	883.1	872.7	885.4	926.0	1020.1
17.5°	1218.5	1199.9	1151.2	985.2	890.1	878.5	858.7	879.6	951.6	1006.1	1037.4
20°	1199.9	1177.9	1122.1	938.8	863.4	852.9	843.6	937.7	992.2	1011.9	1029.3
22.5°	1177.9	1154.6	1082.7	906.3	835.5	827.4	833.2	970.2	992.2	1006.1	1021.2
25°	1148.8	1129.1	1036.3	880.8	813.5	804.2	826.2	966.7	979.4	982.9	1013.0
27.5°	1122.1	1096.6	987.6	857.6	786.8	783.3	832.0	951.6	960.9	964.3	996.8
30°	1089.6	1051.3	933.0	833.2	758.9	757.8	833.2	933.0	930.6	940.0	972.5
32.5°	1056.0	984.0	871.5	803.0	732.2	731.1	825.1	905.2	902.8	915.6	940.0
35°	1024.7	931.9	787.9	768.2	698.6	699.7	805.3	872.7	873.8	885.4	900.5
37.5°	992.2	886.6	696.2	730.0	666.1	666.1	778.6	842.5	840.2	843.6	864.5
40°	953.9	815.8	615.1	680.0	635.9	632.5	746.2	810.0	801.9	800.7	829.7
42.5°	913.3	738.0	554.7	613.8	601.1	596.5	706.7	770.5	755.4	758.9	796.1
45°	869.2	717.1	508.3	518.7	565.1	561.7	663.7	725.3	714.8	724.2	762.5
47.5°	825.1	675.4	493.2	430.5	526.8	525.7	616.2	681.2	675.4	684.6	725.3
50°	764.7	629.0	492.0	369.1	483.9	488.5	559.3	638.3	638.3	646.3	689.3
52.5°	687.0	572.1	446.8	334.2	434.0	447.9	509.4	601.1	603.4	611.6	649.9
55°	616.2	512.9	414.3	307.5	374.9	405.0	460.7	562.8	567.5	575.6	610.4
57.5°	551.2	427.0	407.4	276.2	320.3	349.3	417.7	525.7	528.0	535.0	568.6
60°	481.6	308.6	373.6	242.5	272.7	294.8	378.3	481.6	489.7	494.3	523.4
62.5°	402.7	224.0	338.8	219.3	249.5	254.2	345.8	439.8	450.2	453.7	471.1
65°	286.6	188.0	287.8	199.6	225.1	226.3	311.0	396.9	406.1	411.9	424.7
67.5°	193.8	153.2	219.3	181.0	206.6	207.7	277.4	346.9	359.8	364.4	372.5
70°	134.6	102.1	162.5	161.3	185.7	188.0	241.4	301.7	313.3	316.8	321.5
72.5°	98.6	82.4	134.6	145.1	163.6	165.9	204.2	250.7	262.3	265.8	268.1
75°	75.4	87.0	109.1	126.5	139.2	140.4	167.1	204.2	212.4	214.7	215.8
77.5°	60.3	81.2	80.1	102.1	113.7	111.4	131.1	157.8	164.8	164.8	164.8
80°	45.2	63.9	60.3	73.1	83.5	81.2	94.0	112.6	114.9	117.2	116.0
82.5°	33.6	40.6	40.6	46.4	55.7	53.4	62.6	73.1	73.1	73.1	75.4
85°	20.9	23.2	18.5	24.3	31.4	30.2	34.8	39.4	40.6	40.6	38.3
87.5°	12.7	10.5	5.8	9.3	14.0	14.0	16.2	17.4	16.2	16.2	16.2
90°	11.9	8.2	4.6	8.2	11.9	12.7	20.0	29.7	34.5	30.7	23.0
92.5°	80.0	49.1	18.2	49.1	80.0	87.7	123.4	170.9	194.6	170.6	122.5
95°	156.9	100.2	43.7	100.2	156.9	171.0	303.6	480.4	568.9	507.7	385.2
97.5°	175.3	125.3	75.4	125.3	175.3	187.8	408.9	703.8	851.2	812.5	735.1
100°	190.6	145.4	100.0	145.4	190.6	201.9	447.3	774.5	938.1	940.9	946.6
102.5°	205.4	163.2	120.9	163.2	205.4	216.0	464.9	796.8	962.7	1012.1	1110.7
105°	228.0	192.3	156.4	192.3	228.0	237.0	478.0	799.3	960.0	1070.6	1291.6
107.5°	259.5	226.2	192.8	226.2	259.5	267.9	480.4	763.8	905.4	1059.7	1368.0
110°	277.5	247.5	217.4	247.5	277.5	285.1	476.7	732.2	859.9	1032.4	1377.2

TEST NUMBER: P935657

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	298.8	270.2	241.4	270.2	298.8	306.0	476.8	704.7	818.6	995.0	1347.9
115°	330.9	304.3	277.8	304.3	330.9	337.4	481.3	673.0	769.0	938.9	1278.9
117.5°	361.9	337.9	313.8	337.9	361.9	367.9	490.3	653.4	734.9	888.2	1195.0
120°	380.0	357.4	334.7	357.4	380.0	385.7	497.6	646.7	721.3	861.4	1141.7
122.5°	400.9	378.0	355.2	378.0	400.9	406.6	508.0	643.2	710.8	837.0	1089.4
125°	428.2	407.4	386.5	407.4	428.2	433.4	522.1	640.3	699.4	806.6	1021.0
127.5°	454.0	433.0	412.0	433.0	454.0	459.3	536.1	638.6	689.8	781.9	966.0
130°	470.9	448.3	425.6	448.3	470.9	476.6	546.5	639.7	686.2	768.2	932.1
132.5°	485.1	462.4	439.8	462.4	485.1	490.7	554.8	640.3	683.1	756.4	903.2
135°	501.9	481.3	460.7	481.3	501.9	507.0	563.9	639.7	677.6	739.1	862.0
137.5°	522.9	502.4	482.0	502.4	522.9	527.9	577.5	643.6	676.6	728.6	832.5
140°	537.3	518.5	499.8	518.5	537.3	542.1	585.9	644.3	673.5	718.4	808.1
142.5°	548.1	530.8	513.4	530.8	548.1	552.5	592.9	646.6	673.5	712.9	791.7
145°	564.7	549.5	534.4	549.5	564.7	568.4	601.9	646.6	668.9	701.1	765.6
147.5°	584.8	570.0	555.3	570.0	584.8	588.5	615.2	651.0	668.9	694.3	745.1
150°	595.6	582.2	568.9	582.2	595.6	598.9	622.3	653.4	668.9	690.3	733.2
152.5°	603.2	593.1	583.0	593.1	603.2	605.8	626.8	654.9	668.9	687.2	723.8
155°	618.9	611.4	603.9	611.4	618.9	620.7	636.8	658.2	668.9	683.5	712.6
157.5°	633.9	626.7	619.4	626.7	633.9	635.7	646.8	661.5	668.9	680.2	702.9
160°	641.2	635.5	629.8	635.5	641.2	642.6	651.3	663.0	668.9	678.6	698.0
162.5°	648.8	644.5	640.3	644.5	648.8	649.9	656.2	664.7	668.9	677.1	693.5
165°	659.3	655.5	651.6	655.5	659.3	660.3	663.2	667.0	668.9	674.8	686.5
167.5°	665.8	663.9	662.2	663.9	665.8	666.2	668.7	671.9	673.5	677.3	685.0
170°	672.6	670.8	668.9	670.8	672.6	673.0	673.2	673.4	673.5	677.3	685.0
172.5°	673.4	673.0	672.6	673.0	673.4	673.5	673.5	673.5	673.5	676.5	682.5
175°	677.6	677.6	677.6	677.6	677.6	677.6	676.2	674.4	673.5	675.4	679.2
177.5°	677.6	677.6	677.6	677.6	677.6	677.6	676.6	675.1	674.4	675.9	678.9
180°	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6

TEST NUMBER: P935657

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5
2.5°	1183.7	1180.2	1184.8	1172.0	1184.8	1180.2	1183.7	1191.8	1184.8	1189.5	1194.1
5°	1038.6	1032.8	1014.3	999.2	1014.3	1032.8	1038.6	1063.0	1074.6	1095.4	1123.3
7.5°	928.4	923.7	919.1	909.7	919.1	923.7	928.4	935.3	946.9	965.5	986.4
10°	903.9	905.2	912.1	911.0	912.1	905.2	903.9	901.7	898.2	901.7	914.4
12.5°	966.7	977.1	1015.4	1013.0	1015.4	977.1	966.7	920.2	888.9	883.1	885.4
15°	1038.6	1042.1	1050.2	1051.3	1050.2	1042.1	1038.6	1020.1	926.0	885.4	872.7
17.5°	1045.5	1046.8	1052.6	1052.6	1052.6	1046.8	1045.5	1037.4	1006.1	951.6	879.6
20°	1039.7	1042.1	1053.7	1056.0	1053.7	1042.1	1039.7	1029.3	1011.9	992.2	937.7
22.5°	1037.4	1042.1	1051.3	1050.2	1051.3	1042.1	1037.4	1021.2	1006.1	992.2	970.2
25°	1025.9	1025.9	1027.0	1028.1	1027.0	1025.9	1025.9	1013.0	982.9	979.4	966.7
27.5°	1001.4	1003.8	1010.7	1009.6	1010.7	1003.8	1001.4	996.8	964.3	960.9	951.6
30°	979.4	977.1	971.3	966.7	971.3	977.1	979.4	972.5	940.0	930.6	933.0
32.5°	942.2	936.4	930.6	927.2	930.6	936.4	942.2	940.0	915.6	902.8	905.2
35°	898.2	899.4	898.2	894.7	898.2	899.4	898.2	900.5	885.4	873.8	872.7
37.5°	866.9	869.2	868.0	863.4	868.0	869.2	866.9	864.5	843.6	840.2	842.5
40°	834.4	835.5	834.4	830.9	834.4	835.5	834.4	829.7	800.7	801.9	810.0
42.5°	803.0	801.9	798.4	796.1	798.4	801.9	803.0	796.1	758.9	755.4	770.5
45°	767.0	768.2	761.2	757.8	761.2	768.2	767.0	762.5	724.2	714.8	725.3
47.5°	731.1	731.1	725.3	721.8	725.3	731.1	731.1	725.3	684.6	675.4	681.2
50°	692.8	691.7	683.5	682.4	683.5	691.7	692.8	689.3	646.3	638.3	638.3
52.5°	648.7	648.7	649.9	652.1	649.9	648.7	648.7	649.9	611.6	603.4	601.1
55°	610.4	611.6	619.6	622.0	619.6	611.6	610.4	610.4	575.6	567.5	562.8
57.5°	570.9	570.9	576.8	576.8	576.8	570.9	570.9	568.6	535.0	528.0	525.7
60°	525.7	528.0	532.6	531.5	532.6	528.0	525.7	523.4	494.3	489.7	481.6
62.5°	478.1	480.4	481.6	479.3	481.6	480.4	478.1	471.1	453.7	450.2	439.8
65°	428.2	430.5	431.7	429.4	431.7	430.5	428.2	424.7	411.9	406.1	396.9
67.5°	377.1	376.0	374.9	379.4	374.9	376.0	377.1	372.5	364.4	359.8	346.9
70°	324.9	324.9	323.7	326.1	323.7	324.9	324.9	321.5	316.8	313.3	301.7
72.5°	269.2	268.1	272.7	269.2	272.7	268.1	269.2	268.1	265.8	262.3	250.7
75°	214.7	217.0	214.7	218.2	214.7	217.0	214.7	215.8	214.7	212.4	204.2
77.5°	163.6	165.9	163.6	163.6	163.6	165.9	163.6	164.8	164.8	164.8	157.8
80°	116.0	114.9	114.9	113.7	114.9	114.9	116.0	116.0	117.2	114.9	112.6
82.5°	74.3	73.1	73.1	75.4	73.1	73.1	74.3	75.4	73.1	73.1	73.1
85°	40.6	41.8	39.4	39.4	39.4	41.8	40.6	38.3	40.6	40.6	39.4
87.5°	15.1	14.0	14.0	14.0	14.0	14.0	15.1	16.2	16.2	16.2	17.4
90°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	23.0	30.7	34.5	29.7
92.5°	86.4	83.0	69.2	55.5	69.2	83.0	86.4	122.5	170.6	194.6	170.9
95°	293.4	282.9	241.3	199.6	241.3	282.9	293.4	385.2	507.7	568.9	480.4
97.5°	677.1	657.3	578.1	498.9	578.1	657.3	677.1	735.1	812.5	851.2	703.8
100°	950.8	927.2	832.9	738.5	832.9	927.2	950.8	946.6	940.9	938.1	774.5
102.5°	1184.7	1164.5	1083.6	1002.8	1083.6	1164.5	1184.7	1110.7	1012.1	962.7	796.8
105°	1457.5	1446.6	1403.2	1359.7	1403.2	1446.6	1457.5	1291.6	1070.6	960.0	799.3
107.5°	1599.3	1601.9	1612.5	1623.0	1612.5	1601.9	1599.3	1368.0	1059.7	905.4	763.8
110°	1635.7	1647.1	1692.3	1737.5	1692.3	1647.1	1635.7	1377.2	1032.4	859.9	732.2

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1612.6	1630.0	1699.4	1769.0	1699.4	1630.0	1612.6	1347.9	995.0	818.6	704.7
115°	1533.9	1557.9	1654.4	1750.8	1654.4	1557.9	1533.9	1278.9	938.9	769.0	673.0
117.5°	1425.1	1451.8	1558.8	1665.7	1558.8	1451.8	1425.1	1195.0	888.2	734.9	653.4
120°	1352.0	1378.0	1481.8	1585.7	1481.8	1378.0	1352.0	1141.7	861.4	721.3	646.7
122.5°	1278.7	1304.4	1406.8	1509.3	1406.8	1304.4	1278.7	1089.4	837.0	710.8	643.2
125°	1181.8	1205.5	1299.8	1394.2	1299.8	1205.5	1181.8	1021.0	806.6	699.4	640.3
127.5°	1104.1	1124.0	1203.6	1283.3	1203.6	1124.0	1104.1	966.0	781.9	689.8	638.6
130°	1055.0	1073.4	1147.0	1220.6	1147.0	1073.4	1055.0	932.1	768.2	686.2	639.7
132.5°	1013.2	1029.6	1095.5	1161.4	1095.5	1029.6	1013.2	903.2	756.4	683.1	640.3
135°	954.1	968.3	1025.1	1081.8	1025.1	968.3	954.1	862.0	739.1	677.6	639.7
137.5°	910.4	922.0	968.5	1015.0	968.5	922.0	910.4	832.5	728.6	676.6	643.6
140°	875.4	886.3	929.7	973.2	929.7	886.3	875.4	808.1	718.4	673.5	644.3
142.5°	850.8	860.1	897.5	935.0	897.5	860.1	850.8	791.7	712.9	673.5	646.6
145°	814.0	821.1	849.4	877.7	849.4	821.1	814.0	765.6	701.1	668.9	646.6
147.5°	783.1	789.0	812.3	835.8	812.3	789.0	783.1	745.1	694.3	668.9	651.0
150°	765.4	770.1	789.2	808.1	789.2	770.1	765.4	733.2	690.3	668.9	653.4
152.5°	751.2	754.8	769.1	783.5	769.1	754.8	751.2	723.8	687.2	668.9	654.9
155°	734.4	736.8	746.3	755.8	746.3	736.8	734.4	712.6	683.5	668.9	658.2
157.5°	719.9	721.5	728.2	734.9	728.2	721.5	719.9	702.9	680.2	668.9	661.5
160°	712.6	713.5	717.4	721.3	717.4	713.5	712.6	698.0	678.6	668.9	663.0
162.5°	705.8	706.7	710.4	714.0	710.4	706.7	705.8	693.5	677.1	668.9	664.7
165°	695.3	696.2	700.1	704.0	700.1	696.2	695.3	686.5	674.8	668.9	667.0
167.5°	690.8	691.2	692.8	694.4	692.8	691.2	690.8	685.0	677.3	673.5	671.9
170°	690.8	690.8	690.8	690.8	690.8	690.8	690.8	685.0	677.3	673.5	673.4
172.5°	687.1	686.7	685.3	683.9	685.3	686.7	687.1	682.5	676.5	673.5	673.5
175°	682.1	682.1	682.1	682.1	682.1	682.1	682.1	679.2	675.4	673.5	674.4
177.5°	681.2	680.8	679.2	677.6	679.2	680.8	681.2	678.9	675.9	674.4	675.1
180°	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1226.5	1226.5	1226.5	1226.5	1226.5
2.5°	1211.5	1217.3	1220.8	1225.4	1237.0
5°	1165.1	1187.1	1194.1	1211.5	1232.4
7.5°	1063.0	1130.3	1148.8	1190.6	1223.1
10°	964.3	1031.7	1064.1	1162.8	1211.5
12.5°	914.4	953.9	976.0	1114.0	1195.3
15°	883.1	911.0	927.2	1049.0	1176.7
17.5°	858.7	878.5	890.1	985.2	1151.2
20°	843.6	852.9	863.4	938.8	1122.1
22.5°	833.2	827.4	835.5	906.3	1082.7
25°	826.2	804.2	813.5	880.8	1036.3
27.5°	832.0	783.3	786.8	857.6	987.6
30°	833.2	757.8	758.9	833.2	933.0
32.5°	825.1	731.1	732.2	803.0	871.5
35°	805.3	699.7	698.6	768.2	787.9
37.5°	778.6	666.1	666.1	730.0	696.2
40°	746.2	632.5	635.9	680.0	615.1
42.5°	706.7	596.5	601.1	613.8	554.7
45°	663.7	561.7	565.1	518.7	508.3
47.5°	616.2	525.7	526.8	430.5	493.2
50°	559.3	488.5	483.9	369.1	492.0
52.5°	509.4	447.9	434.0	334.2	446.8
55°	460.7	405.0	374.9	307.5	414.3
57.5°	417.7	349.3	320.3	276.2	407.4
60°	378.3	294.8	272.7	242.5	373.6
62.5°	345.8	254.2	249.5	219.3	338.8
65°	311.0	226.3	225.1	199.6	287.8
67.5°	277.4	207.7	206.6	181.0	219.3
70°	241.4	188.0	185.7	161.3	162.5
72.5°	204.2	165.9	163.6	145.1	134.6
75°	167.1	140.4	139.2	126.5	109.1
77.5°	131.1	111.4	113.7	102.1	80.1
80°	94.0	81.2	83.5	73.1	60.3
82.5°	62.6	53.4	55.7	46.4	40.6
85°	34.8	30.2	31.4	24.3	18.5
87.5°	16.2	14.0	14.0	9.3	5.8
90°	20.0	12.7	11.9	8.2	4.6
92.5°	123.4	87.7	80.0	49.1	18.2
95°	303.6	171.0	156.9	100.2	43.7
97.5°	408.9	187.8	175.3	125.3	75.4
100°	447.3	201.9	190.6	145.4	100.0
102.5°	464.9	216.0	205.4	163.2	120.9
105°	478.0	237.0	228.0	192.3	156.4
107.5°	480.4	267.9	259.5	226.2	192.8
110°	476.7	285.1	277.5	247.5	217.4

TEST NUMBER: P935657

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	476.8	306.0	298.8	270.2	241.4
115°	481.3	337.4	330.9	304.3	277.8
117.5°	490.3	367.9	361.9	337.9	313.8
120°	497.6	385.7	380.0	357.4	334.7
122.5°	508.0	406.6	400.9	378.0	355.2
125°	522.1	433.4	428.2	407.4	386.5
127.5°	536.1	459.3	454.0	433.0	412.0
130°	546.5	476.6	470.9	448.3	425.6
132.5°	554.8	490.7	485.1	462.4	439.8
135°	563.9	507.0	501.9	481.3	460.7
137.5°	577.5	527.9	522.9	502.4	482.0
140°	585.9	542.1	537.3	518.5	499.8
142.5°	592.9	552.5	548.1	530.8	513.4
145°	601.9	568.4	564.7	549.5	534.4
147.5°	615.2	588.5	584.8	570.0	555.3
150°	622.3	598.9	595.6	582.2	568.9
152.5°	626.8	605.8	603.2	593.1	583.0
155°	636.8	620.7	618.9	611.4	603.9
157.5°	646.8	635.7	633.9	626.7	619.4
160°	651.3	642.6	641.2	635.5	629.8
162.5°	656.2	649.9	648.8	644.5	640.3
165°	663.2	660.3	659.3	655.5	651.6
167.5°	668.7	666.2	665.8	663.9	662.2
170°	673.2	673.0	672.6	670.8	668.9
172.5°	673.5	673.5	673.4	673.0	672.6
175°	676.2	677.6	677.6	677.6	677.6
177.5°	676.6	677.6	677.6	677.6	677.6
180°	677.6	677.6	677.6	677.6	677.6

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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	12.46	13.25	13.48	14.28	15.66	15.26	16.05	16.28	17.08	18.46
	3H	12.93	13.64	13.96	14.68	16.08	16.59	17.30	17.62	18.34	19.74
	4H	13.12	13.79	14.16	14.83	16.24	17.02	17.69	18.07	18.74	20.14
	6H	13.23	13.85	14.29	14.90	16.32	17.29	17.91	18.35	18.96	20.38
	8H	13.23	13.82	14.29	14.89	16.30	17.36	17.95	18.42	19.01	20.43
	12H	13.20	13.76	14.27	14.82	16.26	17.39	17.95	18.46	19.01	20.45
4H	2H	13.47	14.15	14.53	15.19	16.60	15.66	16.33	16.71	17.37	18.78
	3H	14.49	15.06	15.55	16.13	17.55	17.15	17.71	18.21	18.78	20.20
	4H	14.77	15.28	15.83	16.34	17.79	17.67	18.18	18.73	19.24	20.68
	6H	14.89	15.33	15.96	16.42	17.85	18.02	18.46	19.09	19.55	20.98
	8H	14.89	15.31	15.97	16.38	17.84	18.12	18.53	19.20	19.61	21.06
	12H	14.86	15.23	15.95	16.32	17.78	18.17	18.54	19.26	19.63	21.09
8H	4H	15.21	15.62	16.29	16.70	18.15	17.79	18.20	18.86	19.28	20.73
	6H	15.47	15.81	16.57	16.93	18.38	18.21	18.55	19.31	19.67	21.12
	8H	15.51	15.81	16.62	16.91	18.38	18.36	18.66	19.46	19.76	21.23
	12H	15.49	15.76	16.60	16.85	18.36	18.45	18.71	19.56	19.81	21.32
12H	4H	15.21	15.59	16.31	16.68	18.13	17.75	18.12	18.84	19.21	20.67
	6H	15.53	15.83	16.63	16.93	18.40	18.21	18.51	19.31	19.61	21.08
	8H	15.59	15.85	16.70	16.95	18.46	18.36	18.62	19.47	19.72	21.23