

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: METALUX

Report Number: P1214036

Luminaire Tested: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

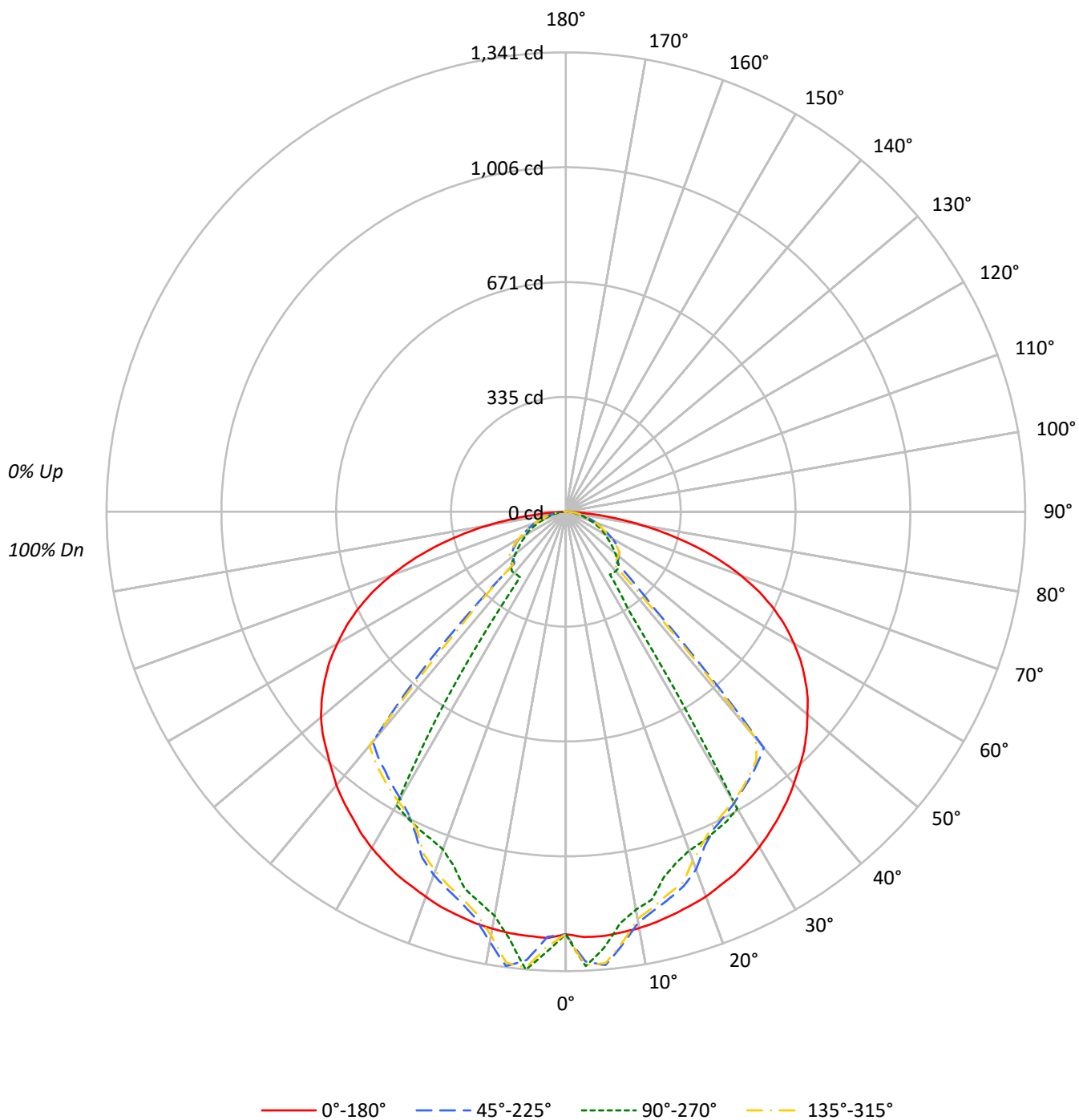
Lumens per Lamp: N/A
Luminaire Lumens: 2469.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

Luminous Intensity Polar Plot



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87		
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75		
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65		
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41		
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19928	19928	19928	19928
5°	20068	20078	20058	21071
10°	20032	18152	20060	18431
15°	20021	16795	20067	17327
20°	20108	15929	20108	15869
25°	20218	15624	20248	15478
30°	20356	15349	20406	15168
35°	20519	3497	20561	3647
40°	20764	3636	20889	3753
45°	21164	3615	21237	3747
50°	21540	3269	21830	3356
55°	22058	2902	22234	2944
60°	22429	2580	22479	2613
65°	22581	2250	22523	2214
70°	21923	1815	21854	1749
75°	19884	1397	20026	1337
80°	15496	991	16114	907
85°	7637	596	8069	456

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 57.5°

Luminance: 23082 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	4.9
10°-20°	333.5	13.5
20°-30°	494.0	20.0
30°-40°	497.8	20.2
40°-50°	388.8	15.7
50°-60°	300.4	12.2
60°-70°	201.7	8.2
70°-80°	102.9	4.2
80°-90°	28.6	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	948.9	38.4
0°-40°	1446.7	58.6
0°-60°	2135.9	86.5
0°-90°	2469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2469.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1233	1233	1233	1233	1233	
5°	1244	1278	1243	1341	1244	118
15°	1217	1105	1219	1140	1217	344
25°	1167	1030	1168	1020	1167	538
35°	1086	224	1088	233	1086	680
45°	984	218	987	226	984	759
55°	853	158	860	160	853	762
65°	670	106	668	104	670	659
75°	393	54	396	51	393	411
85°	71	17	75	13	71	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1242.6	1247.1	1250.5	1252.7	1253.9	1253.9	1254.4	1255.0	1262.3	1265.7	1268.0
5°	1243.7	1248.2	1255.0	1264.0	1271.9	1278.7	1284.4	1292.3	1300.2	1308.7	1311.5
7.5°	1238.6	1244.3	1257.8	1274.2	1289.5	1300.2	1307.5	1312.6	1316.6	1317.1	1320.0
10°	1234.1	1244.3	1262.9	1284.4	1303.6	1316.6	1316.6	1313.8	1317.7	1302.5	1287.2
12.5°	1226.2	1237.5	1262.9	1291.2	1309.2	1314.3	1312.1	1300.8	1277.6	1258.9	1250.5
15°	1216.6	1231.8	1263.5	1295.1	1310.4	1312.1	1290.6	1261.8	1244.3	1233.0	1218.8
17.5°	1205.8	1226.2	1264.0	1295.7	1301.3	1293.4	1252.7	1234.7	1216.6	1190.0	1170.8
20°	1195.7	1215.4	1259.5	1287.8	1291.2	1255.6	1223.9	1204.7	1174.2	1151.0	1142.5
22.5°	1179.8	1203.0	1255.6	1277.0	1264.0	1222.8	1192.3	1161.8	1134.1	1127.3	1117.1
25°	1166.8	1191.1	1246.5	1264.0	1229.6	1192.8	1157.2	1121.6	1108.6	1099.0	1090.0
27.5°	1149.3	1179.3	1234.7	1240.3	1192.8	1160.6	1108.6	1092.8	1081.0	1070.2	1066.3
30°	1130.1	1166.8	1218.3	1207.5	1162.3	1114.9	1076.4	1061.7	1053.3	1042.0	1037.4
32.5°	1108.1	1148.2	1200.2	1169.7	1129.5	1070.2	1045.4	1034.1	1022.8	1014.3	986.0
35°	1085.5	1131.8	1178.7	1133.5	1090.0	1036.3	1014.3	1004.1	993.4	962.3	932.9
37.5°	1062.3	1113.7	1152.7	1094.5	1037.4	1001.3	982.6	971.3	947.0	907.5	892.8
40°	1035.8	1091.7	1119.4	1054.4	991.7	965.7	948.2	936.9	882.1	864.5	860.0
42.5°	1009.2	1070.2	1078.7	1015.4	953.8	927.8	913.1	875.8	838.5	829.5	831.2
45°	983.8	1047.1	1034.1	960.0	914.3	892.8	867.9	816.5	796.7	801.3	802.4
47.5°	953.3	1019.4	987.2	904.7	873.6	852.1	796.7	765.7	762.8	769.0	772.4
50°	920.5	988.3	937.4	854.4	829.5	804.1	741.4	725.5	728.9	735.1	739.1
52.5°	890.0	953.3	886.0	807.5	786.0	727.8	685.4	688.2	693.9	701.2	703.5
55°	852.7	910.9	831.2	760.0	739.7	663.4	644.2	650.9	656.6	662.8	667.3
57.5°	813.7	862.3	766.2	706.9	674.1	606.3	608.0	612.5	616.5	623.8	257.7
60°	769.0	806.9	695.0	657.7	592.7	561.1	562.8	570.7	574.7	321.0	177.4
62.5°	722.7	742.5	630.6	601.8	518.2	515.9	523.8	527.2	358.8	169.5	166.1
65°	669.6	665.6	567.3	521.5	467.3	469.6	478.0	461.1	158.8	158.8	157.7
67.5°	610.8	587.1	505.7	431.7	418.1	423.2	432.3	150.9	146.9	148.0	144.1
70°	543.6	510.2	441.9	365.6	370.1	375.2	145.8	136.7	135.0	132.2	124.3
72.5°	472.4	426.6	361.6	317.6	320.4	201.2	127.7	123.2	117.5	111.9	103.4
75°	392.7	333.4	265.6	265.6	269.5	114.7	111.3	104.0	97.8	90.4	85.3
77.5°	308.0	256.5	206.2	214.2	104.5	96.1	89.8	81.9	76.8	72.3	69.5
80°	225.5	179.1	155.4	139.0	81.4	72.9	66.7	62.2	59.9	57.1	53.7
82.5°	148.0	107.9	107.9	65.5	57.1	50.3	48.6	45.2	42.9	41.2	39.6
85°	70.6	62.7	47.5	40.1	35.6	32.2	31.1	29.4	29.4	28.8	28.3
87.5°	26.0	28.3	20.9	20.3	19.2	18.6	19.2	19.2	19.8	19.2	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1273.6	1278.2	1281.6	1287.2	1294.5	1300.8	1306.4	1314.3	1326.8	1330.1	1333.0
5°	1311.5	1313.2	1317.1	1321.7	1322.8	1325.6	1325.1	1328.4	1330.1	1334.1	1325.6
7.5°	1313.8	1304.7	1294.0	1284.4	1277.6	1271.4	1267.4	1273.6	1277.0	1279.9	1271.4
10°	1266.3	1255.6	1249.3	1243.7	1236.9	1227.3	1214.3	1217.1	1216.0	1216.0	1213.2
12.5°	1236.3	1221.1	1205.3	1191.1	1184.9	1184.4	1184.9	1191.1	1191.1	1190.6	1187.2
15°	1189.4	1174.8	1166.8	1163.5	1163.5	1161.8	1161.8	1168.5	1166.8	1166.8	1165.1
17.5°	1158.4	1148.2	1142.5	1138.6	1136.9	1139.7	1143.1	1145.9	1146.5	1144.2	1135.2
20°	1132.9	1123.3	1116.6	1117.7	1117.1	1118.8	1120.5	1110.9	1099.0	1083.2	1075.9
22.5°	1106.4	1099.0	1094.0	1094.0	1087.2	1076.4	1060.6	1057.2	1055.5	1048.2	1042.0
25°	1081.0	1072.5	1065.1	1042.5	1028.4	1030.1	1027.3	1021.6	1021.1	1020.5	1022.8
27.5°	1055.5	1033.5	1005.2	1001.8	996.2	995.6	999.0	1001.8	1001.8	1004.1	1006.9
30°	1003.0	977.5	972.5	966.2	968.5	976.4	978.1	982.1	983.2	987.2	989.4
32.5°	954.9	943.6	939.1	942.0	949.3	956.1	960.0	961.7	964.6	967.9	970.8
35°	916.0	912.6	916.5	922.7	930.1	935.7	939.1	942.5	945.3	948.2	950.4
37.5°	887.1	889.4	895.1	903.0	910.3	914.8	917.7	921.6	925.6	929.0	915.4
40°	860.0	865.7	871.9	880.4	886.6	891.1	893.9	899.0	865.1	391.6	214.7
42.5°	836.3	842.5	847.0	853.8	860.6	864.0	839.1	374.6	211.9	210.8	213.6
45°	807.5	812.6	819.9	825.0	831.2	545.8	208.5	210.8	207.4	209.6	210.8
47.5°	778.1	786.0	790.0	753.8	224.3	207.4	205.1	207.4	205.1	207.9	206.2
50°	744.7	754.4	536.8	202.9	201.2	200.0	202.3	201.2	202.9	205.1	200.6
52.5°	710.8	440.2	196.6	195.5	196.6	195.5	199.5	196.6	197.2	194.9	189.3
55°	240.7	190.4	188.7	188.2	191.6	191.6	191.6	187.0	184.2	178.6	174.6
57.5°	184.2	184.2	183.6	184.2	183.1	181.9	176.9	172.9	169.0	161.0	158.8
60°	174.6	174.6	174.6	174.6	169.5	167.3	159.3	156.0	149.2	145.2	143.0
62.5°	166.7	165.6	160.5	158.8	153.1	146.9	142.4	139.0	132.2	130.0	128.3
65°	155.4	151.4	145.2	138.4	135.6	128.8	126.6	121.5	118.1	116.4	115.3
67.5°	136.7	131.1	126.0	121.5	116.4	114.1	111.3	107.4	105.1	104.0	102.8
70°	117.0	113.0	107.9	105.1	101.7	100.0	96.1	94.9	93.2	91.5	89.8
72.5°	97.8	95.5	93.2	89.3	88.1	87.0	83.1	80.8	78.5	76.3	75.2
75°	81.9	80.2	79.1	75.7	74.0	70.6	67.8	66.1	64.4	62.7	61.6
77.5°	67.2	66.1	62.7	60.5	59.3	56.5	55.4	55.9	54.8	52.6	51.4
80°	52.6	51.4	48.6	48.6	47.5	46.3	45.2	44.1	42.9	41.2	40.1
82.5°	40.1	39.0	37.9	36.7	35.6	35.0	34.5	33.3	32.2	31.1	30.5
85°	28.3	27.7	27.1	26.6	26.0	25.4	24.9	23.7	22.6	22.0	21.5
87.5°	19.2	18.6	18.1	17.5	17.0	16.4	15.8	15.3	14.1	13.6	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1333.0	1335.8	1333.0	1326.8	1322.8	1321.1	1324.5	1324.5	1326.8	1329.6	1330.1
5°	1312.1	1305.3	1297.4	1289.5	1285.5	1283.2	1277.0	1278.2	1279.9	1281.0	1282.1
7.5°	1260.1	1251.0	1240.3	1230.1	1226.2	1222.8	1215.4	1215.4	1215.4	1216.0	1219.4
10°	1207.0	1203.0	1198.5	1191.7	1186.6	1184.9	1178.7	1180.4	1179.3	1181.0	1184.9
12.5°	1182.1	1177.6	1173.6	1166.8	1161.2	1158.9	1156.1	1157.8	1157.2	1160.1	1163.5
15°	1159.5	1157.2	1152.7	1147.6	1142.5	1138.0	1127.9	1124.5	1122.2	1119.4	1123.3
17.5°	1122.2	1106.4	1095.6	1087.7	1082.1	1078.1	1075.3	1075.3	1077.0	1078.7	1082.1
20°	1071.3	1066.8	1061.7	1053.3	1047.6	1045.4	1043.7	1043.7	1046.5	1048.7	1055.0
22.5°	1036.3	1035.8	1034.1	1030.1	1027.3	1027.3	1027.8	1029.0	1032.9	1036.3	1042.5
25°	1019.9	1022.2	1021.1	1018.8	1017.1	1017.7	1016.5	1017.7	1021.6	1025.0	1030.1
27.5°	1006.9	1010.3	1009.2	1005.8	1003.0	1004.1	1005.8	1004.7	1008.1	1012.0	1016.0
30°	989.4	990.0	992.2	988.3	987.2	988.9	989.4	990.5	993.9	996.8	1000.2
32.5°	969.6	974.2	973.6	969.6	969.6	971.3	971.9	934.0	863.4	743.6	710.8
35°	950.4	955.5	947.0	798.4	552.6	295.0	227.7	219.8	221.5	222.6	223.8
37.5°	702.9	333.4	212.5	214.2	215.9	217.5	219.2	220.9	222.6	224.3	224.9
40°	211.3	210.8	212.5	214.7	216.4	217.5	219.8	221.5	223.2	224.9	225.5
42.5°	209.1	210.2	211.9	214.2	216.4	218.7	220.4	222.6	223.8	224.9	225.5
45°	207.9	210.2	212.5	214.2	215.9	217.0	218.1	218.7	218.1	218.1	219.2
47.5°	206.2	208.5	209.1	208.5	209.1	208.5	208.5	208.5	206.8	206.2	206.2
50°	200.0	200.0	198.9	196.6	196.1	195.5	194.4	193.8	191.6	191.0	191.0
52.5°	187.0	186.5	184.8	181.9	180.8	179.7	179.1	178.6	176.3	175.2	175.7
55°	171.8	170.6	169.0	165.6	165.0	163.9	163.3	162.7	160.5	161.6	159.9
57.5°	157.7	155.4	153.1	152.6	150.3	149.7	149.2	148.6	146.9	147.5	146.3
60°	140.7	140.1	139.0	136.7	136.7	136.2	136.2	135.0	133.9	133.4	133.4
62.5°	128.3	126.6	125.4	125.4	123.7	123.7	123.7	122.6	121.5	122.1	121.5
65°	114.7	114.1	113.6	112.4	112.4	111.9	111.9	110.8	109.1	109.6	108.5
67.5°	103.4	102.3	101.1	100.6	98.3	97.2	96.6	96.1	93.8	94.4	93.2
70°	89.3	87.6	86.5	85.3	83.6	82.5	82.5	81.4	79.7	80.2	79.1
72.5°	74.6	73.5	72.3	71.8	70.1	69.5	68.9	68.4	66.7	67.2	66.7
75°	62.2	62.2	61.6	61.0	59.3	57.6	56.5	55.9	54.8	55.4	54.2
77.5°	51.4	50.3	49.2	49.2	47.5	46.3	45.2	45.2	45.2	44.6	44.1
80°	40.1	39.0	39.0	38.4	37.3	36.2	35.6	35.6	35.0	35.0	34.5
82.5°	30.5	29.4	28.8	28.8	27.7	27.1	26.6	26.0	26.0	26.0	25.4
85°	21.5	20.3	19.8	19.8	18.6	18.1	18.1	17.5	17.5	17.0	17.0
87.5°	13.0	12.4	11.9	11.9	10.7	10.2	10.2	10.2	9.6	9.6	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1330.1	1330.1	1326.2	1327.3	1325.6	1327.9	1325.1	1325.1	1328.4	1328.4	1330.7
5°	1282.7	1279.9	1279.3	1278.2	1272.5	1274.8	1271.9	1269.1	1273.1	1273.1	1278.2
7.5°	1217.7	1212.6	1214.9	1211.5	1208.1	1203.0	1204.7	1202.4	1205.3	1209.2	1214.3
10°	1184.4	1179.8	1182.7	1179.3	1181.0	1173.6	1174.2	1174.8	1177.6	1178.7	1183.2
12.5°	1162.9	1161.8	1160.6	1159.5	1160.6	1156.7	1154.4	1155.0	1156.1	1156.7	1160.1
15°	1117.7	1110.3	1112.6	1104.7	1105.3	1105.8	1101.3	1105.8	1105.3	1112.6	1119.4
17.5°	1081.0	1081.0	1077.0	1073.6	1071.3	1070.8	1067.4	1069.7	1067.4	1071.9	1073.6
20°	1055.5	1055.0	1054.4	1052.7	1047.1	1047.6	1049.3	1044.2	1043.7	1043.1	1046.5
22.5°	1043.7	1044.2	1042.0	1042.0	1036.9	1038.0	1038.6	1032.9	1033.5	1031.8	1033.5
25°	1031.2	1032.4	1029.5	1029.5	1028.4	1027.8	1025.0	1026.1	1022.8	1019.9	1022.8
27.5°	1016.5	1018.8	1016.5	1017.7	1015.4	1014.3	1012.6	1011.5	1008.1	1007.5	1009.2
30°	1003.0	1004.1	1003.5	1000.7	1000.2	996.8	998.5	995.1	991.7	992.2	993.4
32.5°	514.2	491.0	378.6	341.9	338.5	350.9	415.9	506.3	656.0	801.3	905.8
35°	224.3	224.3	224.3	223.8	223.8	223.2	222.6	222.1	221.5	220.9	220.4
37.5°	225.5	225.5	225.5	225.5	224.9	224.3	224.3	223.2	222.6	222.1	221.5
40°	226.0	226.6	226.6	226.6	226.0	226.0	225.5	224.3	223.8	222.6	221.5
42.5°	225.5	226.0	226.0	225.5	225.5	224.9	224.9	224.3	223.8	223.2	222.6
45°	218.1	218.7	217.5	217.5	217.0	217.0	217.0	217.0	217.0	217.5	217.5
47.5°	205.1	205.1	204.6	204.0	204.0	203.4	204.0	203.4	204.6	205.1	206.2
50°	189.9	189.9	188.7	188.2	188.2	188.2	188.2	188.7	189.3	190.4	191.6
52.5°	174.0	174.0	173.5	172.9	172.3	172.3	174.0	173.5	174.0	174.6	176.3
55°	158.8	159.3	158.2	158.2	157.7	157.7	157.7	158.2	158.8	159.3	161.0
57.5°	145.8	145.8	144.7	144.7	144.7	144.1	145.8	144.7	145.2	145.8	146.9
60°	132.8	132.2	132.2	131.7	131.7	131.7	132.8	132.2	132.2	132.8	133.9
62.5°	120.9	120.9	120.4	120.4	119.8	119.8	120.9	120.4	120.4	120.9	121.5
65°	107.4	107.4	106.8	106.2	107.9	106.2	107.9	106.8	107.9	108.5	109.6
67.5°	92.1	92.1	92.1	91.5	91.5	92.7	93.2	92.1	92.7	93.8	94.4
70°	78.5	78.5	78.0	78.0	78.0	79.1	79.7	78.5	79.1	79.7	80.8
72.5°	66.7	65.5	65.5	65.0	66.1	66.1	66.7	66.1	66.7	66.7	67.8
75°	54.8	53.7	53.7	53.7	54.8	54.2	54.8	54.2	54.8	54.8	55.4
77.5°	44.1	43.5	42.9	42.9	44.1	44.1	44.1	43.5	44.1	44.6	45.2
80°	34.5	33.9	33.3	33.3	34.5	34.5	34.5	35.0	34.5	35.0	35.6
82.5°	25.4	24.9	24.3	25.4	25.4	25.4	25.4	26.0	25.4	26.0	26.6
85°	17.0	16.4	15.8	17.0	17.0	17.0	17.0	17.5	17.0	17.5	18.1
87.5°	9.0	8.5	8.5	9.0	9.0	9.0	9.6	9.6	9.6	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1334.1	1335.8	1335.2	1331.8	1328.4	1324.5	1321.7	1322.2	1327.9	1329.6	1324.5
5°	1278.2	1288.9	1288.9	1296.2	1292.3	1288.9	1291.2	1303.6	1309.8	1319.4	1322.8
7.5°	1220.5	1225.6	1225.0	1232.4	1231.3	1231.3	1233.0	1249.3	1257.3	1265.2	1267.4
10°	1188.3	1193.4	1192.8	1193.4	1191.7	1187.8	1187.8	1195.1	1201.9	1205.8	1207.0
12.5°	1165.1	1168.0	1167.4	1167.4	1166.3	1162.9	1162.3	1168.5	1175.9	1181.0	1181.5
15°	1130.7	1138.6	1140.3	1147.6	1145.9	1141.4	1142.5	1147.6	1152.2	1156.7	1155.0
17.5°	1079.3	1083.2	1083.8	1086.6	1085.5	1085.5	1092.3	1110.9	1123.3	1134.1	1135.2
20°	1049.9	1052.7	1051.6	1057.8	1055.0	1054.4	1056.1	1064.0	1069.7	1074.7	1083.8
22.5°	1035.8	1038.0	1036.3	1036.9	1031.8	1027.3	1026.1	1032.4	1038.6	1045.4	1045.4
25°	1023.9	1025.6	1025.0	1023.9	1019.9	1013.7	1012.6	1013.7	1016.0	1016.5	1012.6
27.5°	1009.8	1010.9	1010.9	1011.5	1006.4	1000.7	999.6	998.5	1000.7	1000.2	993.9
30°	995.1	993.4	993.9	994.5	990.0	984.9	982.6	982.1	984.3	983.8	977.5
32.5°	960.0	973.0	974.2	975.3	971.3	966.8	964.6	962.9	964.0	963.4	957.8
35°	219.8	223.8	274.1	620.4	842.5	932.9	942.5	940.3	940.8	940.8	936.3
37.5°	220.4	219.8	219.2	217.5	215.9	214.7	371.2	791.6	917.1	917.7	913.7
40°	220.4	219.8	219.2	218.1	215.9	214.2	211.3	209.1	214.2	471.3	862.3
42.5°	221.5	220.4	219.2	218.1	215.9	213.6	211.3	208.5	210.2	209.1	206.2
45°	218.1	217.5	217.5	217.0	215.9	213.6	210.8	207.4	205.7	207.4	204.6
47.5°	207.4	207.9	209.6	210.2	210.2	210.8	209.1	206.8	204.0	205.7	202.3
50°	192.7	193.8	194.4	197.2	198.3	200.6	201.2	201.2	200.6	202.9	200.6
52.5°	176.9	178.0	180.8	181.9	183.1	186.5	187.6	189.3	190.4	193.8	196.1
55°	161.6	162.2	163.3	165.6	167.3	170.1	171.8	173.5	176.3	178.0	184.8
57.5°	147.5	148.0	150.3	150.9	152.0	154.3	156.0	158.2	160.5	161.6	169.5
60°	133.9	134.5	136.2	136.7	137.3	139.6	141.3	143.0	144.7	145.8	151.4
62.5°	122.1	122.1	123.7	123.7	124.3	126.0	127.1	128.3	130.0	130.5	133.4
65°	110.2	110.8	111.9	111.9	112.4	113.6	114.1	114.7	116.4	116.4	118.7
67.5°	95.5	96.1	97.8	98.9	99.5	101.7	102.3	102.8	104.0	104.5	105.7
70°	81.4	81.9	83.6	84.2	84.8	86.5	87.6	89.3	91.0	92.7	93.8
72.5°	68.4	68.9	70.6	70.6	72.3	72.9	74.0	74.6	76.3	77.4	79.1
75°	55.9	56.5	58.2	58.2	59.9	60.5	61.0	61.6	62.7	63.9	65.0
77.5°	45.8	45.8	48.0	49.2	50.3	50.3	50.9	50.9	50.9	51.4	52.6
80°	36.2	36.2	37.9	39.0	40.1	40.1	40.7	41.2	41.8	41.8	42.4
82.5°	27.1	27.1	28.8	29.4	30.5	30.5	30.5	31.1	31.6	31.1	32.2
85°	18.6	18.6	19.8	20.3	21.5	21.5	21.5	22.0	22.6	22.0	22.6
87.5°	10.7	11.3	11.9	12.4	13.0	13.6	13.6	13.6	14.1	14.1	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1318.8	1312.1	1311.5	1303.6	1301.3	1301.9	1295.7	1293.4	1283.2	1281.0	1270.2
5°	1323.9	1327.3	1325.6	1325.1	1326.8	1325.6	1321.1	1318.8	1317.1	1312.6	1303.6
7.5°	1268.0	1270.2	1271.9	1279.3	1285.5	1296.2	1307.5	1314.9	1320.5	1321.7	1314.3
10°	1210.9	1221.7	1229.0	1240.3	1249.3	1255.6	1262.3	1268.6	1284.9	1301.3	1310.9
12.5°	1181.5	1184.4	1183.8	1190.0	1196.2	1212.6	1228.4	1237.5	1249.9	1257.3	1274.8
15°	1156.7	1157.2	1158.9	1163.5	1166.8	1172.5	1179.8	1193.4	1218.3	1229.6	1239.2
17.5°	1134.1	1134.1	1135.2	1139.2	1143.7	1148.8	1153.3	1158.9	1171.4	1190.0	1213.7
20°	1097.9	1113.7	1115.4	1114.9	1117.1	1126.7	1127.9	1138.0	1144.2	1151.6	1174.8
22.5°	1044.2	1053.8	1067.4	1088.3	1096.2	1100.7	1104.1	1108.6	1118.2	1126.7	1136.3
25°	1014.8	1021.1	1025.0	1031.2	1047.6	1074.2	1079.3	1084.3	1090.6	1096.8	1108.6
27.5°	988.9	988.3	991.1	996.8	1001.3	1015.4	1040.3	1060.0	1061.2	1070.2	1080.4
30°	970.2	966.8	962.9	961.7	967.9	975.3	982.6	1013.7	1035.2	1039.7	1050.4
32.5°	952.7	947.0	941.4	936.9	932.9	939.1	943.6	957.2	984.9	1010.9	1016.5
35°	931.2	925.6	918.8	913.7	907.5	906.9	906.4	919.3	928.4	959.5	986.6
37.5°	909.2	903.0	897.3	891.7	885.4	880.9	878.1	881.5	890.0	903.5	948.7
40°	886.0	878.7	873.0	868.5	860.0	856.6	851.0	848.7	849.3	861.1	884.9
42.5°	529.5	844.2	847.0	841.9	834.6	830.1	823.9	821.0	815.4	821.0	834.6
45°	204.0	206.2	617.6	815.9	806.9	801.3	795.6	792.8	786.6	782.0	794.5
47.5°	200.0	202.3	197.8	280.3	770.2	771.9	765.1	762.3	756.0	752.7	749.3
50°	197.2	198.9	195.5	196.6	192.7	705.8	734.0	730.6	723.8	719.9	713.1
52.5°	194.4	194.4	192.1	189.3	188.2	188.7	593.9	698.4	690.5	686.5	677.5
55°	185.3	186.5	188.7	184.2	183.1	182.5	180.8	565.6	653.8	649.3	641.3
57.5°	171.8	174.0	180.3	179.1	179.1	174.6	173.5	173.5	524.9	611.4	603.5
60°	156.0	158.2	165.0	167.3	169.0	167.8	166.7	166.1	163.9	553.2	563.4
62.5°	139.6	141.8	144.1	151.4	153.7	156.5	159.9	158.2	156.0	156.0	521.0
65°	122.1	125.4	126.6	133.4	136.2	141.3	144.1	148.0	146.9	146.3	149.2
67.5°	106.8	110.8	111.3	114.1	119.2	121.5	124.9	132.2	135.6	136.7	137.9
70°	93.8	96.1	97.8	98.9	102.3	102.8	109.1	114.1	119.2	124.9	126.6
72.5°	80.8	82.5	85.9	84.8	85.9	88.1	91.5	94.9	100.0	107.9	113.0
75°	66.1	67.2	69.5	70.6	72.9	74.6	76.8	79.7	84.2	88.1	94.9
77.5°	53.1	53.7	55.4	55.9	58.2	59.9	63.9	65.5	68.4	71.2	75.2
80°	42.9	42.9	43.5	43.5	45.2	46.9	49.7	51.4	54.8	57.1	57.1
82.5°	32.8	32.8	34.5	34.5	35.6	35.6	37.3	37.3	39.0	40.1	41.2
85°	23.2	23.7	24.9	24.3	25.4	24.9	26.0	27.1	27.7	27.1	26.6
87.5°	15.3	15.3	16.4	15.8	16.4	16.4	17.5	17.5	18.1	18.1	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1266.3	1257.8	1252.7	1246.5	1244.8	1243.1	1245.4	1245.4	1242.0	1239.2	1234.1
5°	1295.7	1286.6	1277.0	1266.9	1257.3	1247.1	1243.1	1242.6	1236.3	1233.0	1231.3
7.5°	1310.9	1306.4	1295.7	1281.6	1266.9	1248.8	1240.9	1236.3	1230.1	1229.0	1229.0
10°	1312.6	1307.5	1301.9	1291.7	1274.8	1251.0	1235.8	1226.7	1221.1	1225.0	1232.4
12.5°	1296.2	1305.8	1300.8	1294.0	1280.4	1251.6	1229.6	1216.0	1214.3	1224.5	1243.7
15°	1254.4	1282.7	1296.8	1290.0	1279.3	1250.5	1219.4	1203.6	1203.6	1224.5	1249.3
17.5°	1222.8	1244.8	1279.3	1284.9	1272.5	1248.2	1209.8	1191.1	1196.2	1226.7	1253.3
20°	1196.8	1210.4	1243.7	1275.3	1263.5	1243.1	1195.7	1176.4	1186.6	1223.3	1258.9
22.5°	1156.1	1183.2	1203.6	1250.5	1254.4	1233.5	1181.5	1158.4	1178.7	1223.3	1256.1
25°	1116.6	1149.3	1170.8	1216.6	1240.9	1221.7	1168.5	1139.2	1170.2	1221.7	1253.9
27.5°	1088.9	1104.1	1143.1	1175.9	1220.5	1205.8	1151.0	1118.2	1159.5	1212.6	1240.9
30°	1059.5	1069.7	1108.1	1139.2	1193.4	1187.8	1132.9	1095.1	1145.9	1204.1	1207.0
32.5°	1027.3	1038.6	1058.4	1103.6	1155.5	1170.8	1112.6	1071.9	1131.2	1191.1	1167.4
35°	994.5	1003.0	1018.8	1067.4	1111.5	1145.4	1087.7	1045.4	1121.1	1171.4	1129.5
37.5°	961.7	970.8	984.3	1025.0	1065.1	1121.6	1066.3	1018.8	1102.4	1136.3	1090.0
40°	930.6	935.7	949.9	975.3	1026.7	1097.3	1042.0	991.1	1083.2	1091.7	1036.3
42.5°	873.6	899.0	912.0	932.3	983.2	1064.0	1013.7	961.7	1061.7	1047.1	982.6
45°	812.0	867.4	873.0	893.4	944.8	1028.4	987.2	932.9	1041.4	1008.6	931.8
47.5°	761.7	801.8	834.6	851.5	899.0	986.6	962.3	908.6	1010.9	960.0	882.1
50°	717.1	738.5	797.9	810.3	844.2	936.3	932.9	880.4	968.5	899.0	833.5
52.5°	673.5	688.8	742.5	769.0	796.7	882.1	897.9	852.7	922.2	838.0	784.3
55°	635.7	640.8	670.2	726.1	751.0	827.2	859.5	820.5	863.4	779.8	736.8
57.5°	596.7	592.2	613.7	685.4	703.5	771.3	818.8	787.7	815.9	720.4	687.7
60°	556.0	549.8	558.8	606.3	653.2	715.9	770.7	751.5	758.3	661.7	632.9
62.5°	513.6	507.4	504.6	534.5	604.0	658.9	722.1	711.4	687.7	608.0	565.1
65°	469.6	463.3	458.8	470.7	549.8	584.8	667.9	665.1	610.3	551.5	475.8
67.5°	143.0	421.5	411.9	411.4	463.3	517.6	609.1	604.6	532.3	491.0	409.7
70°	128.8	341.9	363.3	358.2	380.8	449.2	541.9	538.5	456.6	393.8	362.2
72.5°	118.1	120.9	321.0	315.3	320.4	382.0	471.8	462.8	387.1	310.8	313.0
75°	101.1	106.2	110.8	266.1	259.4	316.4	395.5	381.4	319.3	256.5	261.6
77.5°	82.5	88.7	92.1	193.8	209.6	225.5	315.9	297.2	219.8	205.1	97.8
80°	61.6	66.7	72.3	77.4	159.3	157.7	234.5	215.9	153.1	127.7	76.3
82.5°	45.2	46.9	50.3	55.9	63.3	105.7	150.9	132.8	106.2	58.2	52.6
85°	28.3	30.5	32.2	33.9	38.4	63.3	74.6	59.3	44.6	35.6	33.3
87.5°	18.1	18.1	17.5	18.1	18.6	22.6	25.4	24.3	19.2	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1228.4	1220.5	1220.5	1218.3	1220.0	1220.0	1219.4	1220.0	1223.9	1226.2	1230.1
5°	1227.9	1225.6	1230.7	1236.9	1244.3	1253.3	1255.6	1263.5	1270.8	1280.4	1290.6
7.5°	1235.2	1243.1	1252.7	1262.9	1277.6	1288.3	1297.9	1307.5	1314.3	1323.4	1329.0
10°	1246.0	1261.8	1278.2	1291.2	1307.0	1316.0	1322.2	1323.4	1313.8	1298.5	1286.1
12.5°	1261.2	1279.9	1295.1	1307.5	1314.9	1311.5	1293.4	1274.8	1264.0	1248.2	1226.2
15°	1274.2	1291.2	1307.0	1301.9	1282.1	1263.5	1249.3	1227.3	1205.8	1191.1	1181.5
17.5°	1279.9	1296.2	1290.6	1264.0	1245.4	1223.9	1195.1	1178.1	1164.0	1152.7	1147.1
20°	1283.2	1280.4	1249.9	1230.7	1194.5	1174.8	1156.1	1140.3	1129.5	1123.9	1122.8
22.5°	1274.2	1239.7	1213.7	1179.3	1152.7	1136.3	1121.6	1108.6	1101.3	1096.8	1094.0
25°	1244.3	1204.1	1165.7	1138.6	1116.0	1101.9	1090.6	1079.8	1070.8	1068.5	1062.9
27.5°	1202.4	1169.7	1118.8	1097.9	1078.1	1071.3	1058.9	1048.2	1040.3	1033.5	1015.4
30°	1168.0	1116.0	1079.3	1060.0	1048.2	1040.3	1026.1	1014.8	1001.3	976.4	966.2
32.5°	1125.6	1074.2	1039.1	1028.4	1013.7	1006.9	991.1	966.2	945.3	935.2	934.6
35°	1070.8	1028.4	1003.0	993.4	981.5	970.2	937.4	914.8	904.7	905.8	914.3
37.5°	1025.0	987.2	970.8	957.2	943.6	914.8	887.1	876.4	879.2	884.9	888.8
40°	978.7	949.9	931.2	920.5	890.0	861.7	847.0	851.0	856.1	860.0	865.1
42.5°	933.5	913.1	894.5	873.6	831.8	816.5	819.9	825.0	829.5	835.2	840.2
45°	890.5	872.4	851.0	803.5	782.6	786.6	791.6	795.6	802.4	806.3	811.4
47.5°	849.8	830.6	792.8	751.0	748.7	756.6	761.1	766.2	771.3	761.1	419.8
50°	804.1	784.3	726.7	710.8	715.9	723.3	728.9	734.0	653.8	259.9	200.0
52.5°	758.9	708.6	671.9	676.4	681.5	689.9	693.9	515.3	205.1	195.5	196.1
55°	708.6	644.2	633.4	639.1	643.6	652.1	432.3	189.3	188.2	187.6	192.1
57.5°	629.5	590.5	595.0	600.7	605.2	427.2	184.2	183.1	183.6	184.2	184.8
60°	558.8	550.4	555.5	560.5	396.7	178.0	174.6	175.2	177.4	175.7	171.2
62.5°	502.9	509.7	514.8	450.9	169.0	167.3	169.0	167.3	163.3	160.5	154.8
65°	460.0	466.7	470.7	158.8	158.2	160.5	158.8	153.1	146.9	139.0	137.3
67.5°	414.8	421.5	150.9	146.9	149.2	146.3	139.6	132.8	128.3	121.5	118.7
70°	367.9	157.7	136.7	136.2	132.2	127.7	120.4	113.6	107.9	105.1	102.3
72.5°	265.6	124.9	123.2	118.7	111.9	105.7	99.5	95.5	92.7	91.0	89.3
75°	110.8	108.5	103.4	95.5	88.7	85.9	81.4	78.5	77.4	74.0	72.9
77.5°	92.7	88.1	80.8	75.2	71.2	69.5	66.1	62.7	61.0	60.5	58.2
80°	71.2	65.0	61.6	58.8	57.6	53.7	49.7	48.0	46.9	46.3	44.6
82.5°	48.6	46.3	44.1	40.1	40.1	38.4	36.7	35.6	34.5	34.5	33.3
85°	31.6	29.9	29.4	27.7	27.7	26.6	26.0	25.4	24.9	24.3	23.7
87.5°	18.1	18.1	18.6	18.1	18.1	17.5	17.0	16.4	15.8	15.8	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1235.2	1240.9	1242.0	1261.2	1271.9	1271.4	1268.0	1278.2	1271.9	1268.6	1271.9
5°	1300.8	1307.5	1313.2	1334.1	1341.4	1344.8	1344.3	1349.9	1345.4	1341.4	1341.4
7.5°	1333.0	1335.2	1337.5	1332.4	1329.0	1323.4	1314.9	1302.5	1296.2	1289.5	1281.0
10°	1279.9	1272.5	1275.3	1265.2	1256.7	1250.5	1242.6	1232.4	1223.9	1217.7	1208.1
12.5°	1214.9	1214.3	1215.4	1217.1	1208.7	1203.6	1197.4	1190.0	1183.8	1177.0	1169.1
15°	1175.3	1175.9	1180.4	1178.7	1175.9	1173.1	1166.3	1164.0	1158.4	1151.0	1146.5
17.5°	1147.1	1149.9	1154.4	1152.2	1147.6	1144.8	1139.7	1134.6	1129.5	1123.9	1117.1
20°	1122.2	1125.0	1127.9	1125.0	1116.6	1112.6	1105.8	1090.0	1078.7	1067.4	1057.2
22.5°	1095.1	1096.8	1094.5	1085.5	1064.0	1053.8	1045.9	1041.4	1031.8	1025.6	1019.4
25°	1061.2	1051.6	1036.9	1026.7	1018.2	1013.7	1010.3	1009.8	1008.6	1007.5	1004.7
27.5°	1005.8	1002.4	994.5	990.5	991.1	992.8	993.4	995.1	993.4	991.1	988.9
30°	964.6	966.2	966.8	967.9	970.8	972.5	973.0	975.3	974.2	972.5	971.3
32.5°	938.6	942.5	944.8	948.2	949.9	952.7	952.7	956.1	952.7	952.1	951.0
35°	917.1	920.5	921.6	926.7	928.4	931.2	931.2	934.0	931.2	902.4	712.5
37.5°	895.6	899.0	901.3	905.8	906.4	908.0	838.0	613.1	395.5	306.3	233.9
40°	870.2	874.1	876.4	878.1	617.0	391.6	269.5	219.2	219.2	220.9	222.6
42.5°	843.1	845.9	589.4	343.0	213.6	213.0	214.7	216.4	218.1	220.4	222.6
45°	662.8	334.5	212.5	207.4	209.1	211.3	213.6	215.9	218.7	220.9	222.1
47.5°	217.5	204.0	206.8	204.6	207.4	210.2	212.5	214.7	215.3	215.9	215.3
50°	201.2	201.2	202.9	202.9	205.1	206.2	206.2	206.2	204.0	203.4	201.7
52.5°	194.4	198.9	196.6	197.8	196.6	194.9	193.2	191.6	188.2	187.0	184.8
55°	191.0	192.7	187.0	185.3	183.1	178.6	176.3	174.0	171.2	170.1	167.3
57.5°	183.1	179.1	172.9	170.1	166.1	161.6	159.3	157.7	154.8	153.7	152.0
60°	168.4	160.5	156.5	153.1	148.6	144.7	143.0	141.8	139.6	139.0	137.3
62.5°	150.3	143.5	140.1	135.6	132.2	130.0	128.3	127.7	125.4	125.4	124.3
65°	130.5	127.1	124.3	119.8	118.1	115.8	115.3	114.7	113.6	113.0	111.9
67.5°	114.7	112.4	108.5	106.2	105.1	103.4	102.3	101.1	98.9	97.8	96.1
70°	100.6	98.9	94.9	93.2	91.0	88.1	86.5	85.3	83.6	82.5	80.8
72.5°	87.0	81.9	79.1	77.4	75.7	72.9	72.3	71.2	69.5	68.9	67.2
75°	70.1	66.1	64.4	63.3	61.6	59.9	59.9	59.9	58.2	57.6	57.1
77.5°	55.9	53.7	52.6	51.4	50.9	49.7	48.0	47.5	45.8	45.8	45.2
80°	42.9	41.8	40.7	40.1	39.6	38.4	37.3	36.7	35.0	35.0	34.5
82.5°	31.6	31.1	30.5	29.9	29.4	28.8	27.1	26.6	25.4	25.4	24.9
85°	22.6	22.0	20.9	20.3	20.3	19.8	18.1	17.5	16.4	16.4	16.4
87.5°	14.1	13.6	13.0	12.4	11.9	11.3	10.2	9.6	9.6	8.5	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1265.2	1274.8	1273.6	1280.4	1282.1	1285.5	1286.6	1287.2	1278.7	1285.5	1286.1
5°	1339.8	1341.4	1342.6	1345.4	1348.2	1348.8	1346.0	1342.6	1343.7	1341.4	1335.8
7.5°	1279.9	1271.4	1269.7	1267.4	1266.3	1265.2	1260.1	1264.6	1259.5	1257.3	1249.3
10°	1206.4	1198.5	1197.9	1197.9	1199.6	1199.1	1197.9	1195.7	1200.2	1197.4	1195.7
12.5°	1168.0	1165.1	1166.8	1165.7	1170.2	1171.4	1170.2	1170.2	1169.1	1166.8	1168.0
15°	1144.8	1142.5	1144.2	1142.5	1145.9	1146.5	1143.7	1145.4	1142.5	1139.7	1138.6
17.5°	1114.3	1109.2	1105.3	1099.6	1100.2	1099.0	1095.6	1095.6	1092.8	1085.5	1086.0
20°	1055.5	1050.4	1048.2	1048.2	1051.0	1052.1	1051.6	1052.7	1049.9	1048.7	1044.2
22.5°	1018.8	1018.2	1019.4	1022.2	1026.7	1032.9	1033.5	1033.5	1033.5	1032.9	1027.3
25°	1005.8	1005.8	1006.9	1010.9	1014.3	1018.8	1019.9	1021.1	1019.9	1019.9	1014.8
27.5°	991.1	990.0	992.2	996.2	1000.2	1003.5	1006.4	1006.9	1005.2	1005.2	1006.9
30°	973.0	972.5	975.3	979.2	982.6	986.0	988.9	991.1	988.9	988.9	987.2
32.5°	954.4	954.4	955.5	931.8	864.0	778.1	779.8	730.1	695.6	652.1	709.7
35°	595.6	433.4	372.4	315.3	275.2	249.2	248.6	240.1	236.2	233.4	232.8
37.5°	224.9	226.0	228.3	229.4	231.1	232.2	232.8	232.8	232.8	232.8	232.2
40°	224.3	226.6	228.3	230.0	231.7	232.8	232.8	233.4	233.9	233.9	233.9
42.5°	224.9	227.2	229.4	231.1	232.2	232.8	233.4	233.9	233.9	233.9	233.9
45°	224.3	225.5	225.5	226.0	226.0	226.0	226.6	226.6	226.0	225.5	226.6
47.5°	215.9	215.9	214.2	213.6	213.0	211.9	212.5	211.9	211.3	210.8	211.9
50°	201.2	198.9	197.8	196.6	196.1	194.9	195.5	194.9	194.4	193.2	194.9
52.5°	183.6	183.1	180.8	179.7	179.1	179.7	178.6	178.0	177.4	176.9	177.4
55°	166.7	164.4	163.9	162.7	162.2	162.7	162.2	161.6	161.0	160.5	161.0
57.5°	151.4	149.7	149.2	148.0	148.0	148.0	148.0	147.5	146.9	146.3	146.9
60°	136.7	135.6	135.0	135.0	134.5	134.5	134.5	133.9	133.4	133.4	133.9
62.5°	124.3	124.3	122.6	122.1	122.1	122.6	122.1	121.5	120.9	120.4	121.5
65°	111.3	109.1	108.5	107.4	106.2	106.8	106.2	105.7	105.1	104.5	105.7
67.5°	95.5	94.9	92.7	91.5	91.0	91.5	91.0	90.4	89.8	89.3	90.4
70°	80.2	80.2	78.0	77.4	76.8	76.8	76.3	76.3	75.7	75.2	76.3
72.5°	66.7	66.7	66.1	65.0	64.4	63.9	63.3	62.7	62.7	63.3	63.3
75°	55.4	54.2	52.0	52.6	52.0	51.4	51.4	50.9	50.3	51.4	50.9
77.5°	43.5	42.9	41.2	41.8	41.2	40.7	40.7	40.1	39.6	40.1	40.1
80°	32.8	32.8	32.2	31.6	31.6	31.1	30.5	30.5	29.9	30.5	30.5
82.5°	23.7	23.7	23.2	22.6	22.0	22.0	21.5	21.5	21.5	21.5	21.5
85°	15.3	14.7	14.7	13.6	13.6	13.6	13.0	13.0	13.0	13.0	13.0
87.5°	7.3	7.3	6.8	6.8	6.2	5.7	5.7	5.1	5.1	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1275.9	1283.2	1277.0	1279.9	1280.4	1290.0	1289.5	1291.7	1287.8	1283.2	1277.0
5°	1340.9	1337.5	1333.0	1343.7	1338.1	1344.8	1347.1	1351.6	1351.6	1351.1	1346.0
7.5°	1257.8	1250.5	1256.1	1260.1	1261.8	1257.3	1266.3	1276.5	1284.9	1290.0	1290.6
10°	1192.8	1195.1	1194.5	1196.2	1200.2	1199.6	1205.3	1210.9	1213.2	1216.6	1217.7
12.5°	1162.3	1161.8	1162.9	1166.8	1169.1	1168.5	1174.2	1177.6	1178.7	1179.3	1178.7
15°	1138.0	1134.1	1136.9	1137.5	1139.2	1139.2	1145.9	1151.0	1153.3	1154.4	1153.3
17.5°	1092.3	1082.6	1091.7	1091.7	1097.9	1096.8	1107.5	1116.0	1120.5	1123.9	1123.9
20°	1047.1	1042.5	1045.9	1044.8	1049.3	1048.7	1055.5	1061.2	1065.1	1068.0	1071.3
22.5°	1029.0	1030.1	1025.0	1025.6	1025.6	1025.0	1028.4	1031.2	1032.4	1034.1	1032.9
25°	1017.1	1018.2	1016.5	1013.7	1012.6	1013.7	1015.4	1018.8	1019.4	1018.2	1014.3
27.5°	1005.2	1001.8	1004.7	999.6	998.5	1000.7	1003.0	1003.5	1004.1	1004.1	1000.7
30°	987.2	984.3	987.2	984.9	982.6	984.9	986.6	986.6	987.7	988.3	984.3
32.5°	689.9	695.6	787.1	842.5	920.5	960.0	967.4	967.4	968.5	968.5	965.1
35°	235.1	235.6	254.8	276.3	322.1	378.6	452.6	491.0	621.0	776.4	926.7
37.5°	232.2	231.7	231.1	230.5	230.0	229.4	228.3	227.7	231.1	274.1	371.8
40°	233.4	232.8	231.7	231.1	230.5	229.4	228.8	227.7	226.6	225.5	224.3
42.5°	233.4	232.8	232.2	231.7	231.1	230.5	229.4	228.3	227.2	225.5	223.8
45°	225.5	225.5	226.0	226.0	226.6	226.6	226.6	226.0	226.0	225.5	223.2
47.5°	210.8	210.8	212.5	212.5	213.6	214.7	214.7	215.9	217.5	218.7	219.2
50°	193.8	193.8	195.5	196.1	197.2	198.9	200.6	201.2	202.9	205.1	207.4
52.5°	176.9	176.9	178.6	178.6	179.7	181.4	183.1	183.6	185.9	188.2	191.0
55°	161.0	161.0	162.2	162.7	163.3	164.4	166.1	166.1	168.4	170.1	172.9
57.5°	146.9	148.0	148.0	148.0	148.6	149.7	150.9	150.9	152.6	154.3	156.5
60°	133.4	134.5	134.5	134.5	135.0	135.6	136.7	136.7	137.9	139.0	141.3
62.5°	120.9	122.1	122.1	122.6	122.6	123.2	124.3	123.7	124.9	125.4	127.1
65°	105.1	106.2	106.8	107.4	107.9	109.1	110.8	110.2	111.9	113.0	114.7
67.5°	89.8	91.0	91.0	91.5	92.1	93.2	94.4	94.4	96.1	97.2	99.5
70°	75.7	76.8	76.8	77.4	78.0	79.1	80.2	79.7	81.4	82.5	84.2
72.5°	62.7	63.9	63.9	64.4	64.4	65.5	66.7	67.8	67.8	68.9	70.1
75°	50.9	51.4	52.0	52.0	52.6	53.1	54.2	55.4	55.9	56.5	57.6
77.5°	40.1	40.7	41.2	41.2	41.8	42.4	42.9	45.2	46.3	46.9	46.9
80°	30.5	31.1	31.1	31.1	31.6	32.2	33.3	33.3	35.6	35.6	36.2
82.5°	21.5	22.0	22.0	22.0	22.6	23.7	24.3	24.9	26.0	26.6	26.6
85°	13.0	13.6	13.6	13.6	14.1	14.7	15.8	16.4	17.0	17.0	17.5
87.5°	5.1	5.7	6.2	6.2	6.8	7.3	7.9	8.5	9.0	9.0	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1270.2	1274.2	1270.2	1272.5	1275.3	1270.2	1258.4	1253.9	1252.2	1245.4	1240.9
5°	1340.9	1340.9	1339.2	1343.7	1343.1	1335.2	1322.8	1317.1	1311.5	1304.2	1298.5
7.5°	1290.6	1295.1	1297.9	1315.5	1326.8	1327.9	1335.8	1337.5	1339.8	1337.5	1334.1
10°	1218.3	1216.6	1224.5	1240.9	1250.5	1255.6	1270.8	1278.2	1284.4	1296.8	1309.8
12.5°	1177.6	1179.8	1183.2	1195.1	1204.1	1201.9	1208.1	1213.2	1220.5	1233.0	1251.6
15°	1150.5	1152.7	1156.1	1165.1	1170.8	1168.0	1171.4	1174.8	1179.8	1186.1	1197.4
17.5°	1121.1	1125.0	1129.0	1138.6	1143.7	1143.1	1145.9	1147.1	1148.8	1152.7	1160.6
20°	1075.3	1087.7	1095.6	1108.6	1116.0	1114.9	1119.9	1121.6	1123.9	1127.9	1131.2
22.5°	1033.5	1036.9	1040.8	1055.0	1067.4	1082.6	1086.0	1090.6	1096.2	1100.2	1103.6
25°	1009.8	1007.5	1009.2	1018.8	1025.6	1026.7	1031.8	1046.5	1061.7	1068.5	1076.4
27.5°	995.6	993.4	992.8	997.3	998.5	995.6	994.5	999.0	1010.3	1021.6	1045.4
30°	980.4	977.5	975.3	979.2	980.9	977.0	969.6	965.7	972.5	975.3	984.9
32.5°	962.3	959.5	958.3	960.6	961.7	958.3	950.4	945.9	944.8	942.5	944.8
35°	942.0	939.1	937.4	938.0	940.3	937.4	930.6	925.0	922.2	916.0	911.4
37.5°	485.4	687.7	892.8	914.3	916.5	916.0	909.2	903.0	900.1	892.8	890.5
40°	222.1	248.1	372.4	486.5	701.8	891.7	885.4	879.2	874.1	871.9	863.4
42.5°	221.5	222.1	222.6	219.8	272.4	463.9	684.8	854.9	851.5	845.9	839.7
45°	221.5	218.7	220.9	217.5	218.7	218.1	271.8	438.5	780.3	815.4	812.6
47.5°	219.2	217.5	219.8	217.0	213.6	215.3	213.0	215.9	336.8	571.3	782.6
50°	209.1	210.2	214.2	213.6	210.8	213.0	209.1	212.5	209.6	230.0	443.0
52.5°	193.8	196.1	200.0	203.4	204.6	207.4	206.2	207.4	205.1	205.7	206.2
55°	175.7	178.6	181.9	187.0	189.3	193.8	197.2	198.9	201.7	201.2	196.6
57.5°	158.8	161.6	164.4	169.5	174.6	176.9	183.1	186.5	193.8	192.1	191.0
60°	143.0	145.2	148.0	149.2	155.4	159.3	165.0	168.4	178.0	180.3	183.6
62.5°	128.8	130.0	132.2	133.9	137.9	141.8	144.7	150.3	155.4	162.7	167.8
65°	115.8	117.0	118.7	119.8	120.4	126.0	127.7	133.9	135.6	143.5	148.0
67.5°	101.1	103.4	105.7	106.8	107.9	111.3	112.4	115.3	119.2	122.6	128.3
70°	85.9	87.6	89.8	91.5	93.8	96.1	99.5	101.1	104.0	106.2	110.8
72.5°	71.8	73.5	74.6	76.3	78.0	79.7	82.5	86.5	88.7	92.7	93.8
75°	58.2	59.9	61.0	62.2	63.9	65.0	66.1	70.1	72.3	75.7	79.1
77.5°	48.0	48.0	49.2	52.6	52.0	52.0	53.1	55.4	57.1	59.3	62.7
80°	37.3	37.9	38.4	41.2	41.8	42.4	41.8	43.5	45.2	45.8	48.0
82.5°	27.7	28.3	28.3	29.9	31.6	31.6	31.6	32.2	33.9	34.5	35.6
85°	18.6	19.2	19.8	20.3	21.5	22.0	22.6	22.6	23.7	24.3	24.9
87.5°	10.2	11.3	11.9	12.4	13.0	13.6	14.1	14.7	15.3	15.8	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1239.2	1236.3	1234.7	1230.1	1229.0	1221.7	1222.8	1221.7	1221.7	1223.3	1229.0
5°	1292.3	1278.7	1275.3	1265.7	1257.8	1244.3	1235.8	1231.3	1224.5	1221.7	1225.6
7.5°	1328.4	1318.3	1309.8	1301.3	1290.0	1274.2	1262.3	1248.8	1237.5	1226.7	1223.9
10°	1322.2	1333.5	1333.5	1328.4	1317.7	1301.9	1287.8	1270.8	1251.0	1234.1	1223.9
12.5°	1269.7	1289.5	1305.3	1317.1	1327.9	1317.1	1303.0	1289.5	1267.4	1242.6	1223.9
15°	1212.0	1232.4	1252.2	1277.0	1303.0	1313.8	1313.2	1297.4	1277.6	1251.6	1225.6
17.5°	1171.4	1185.5	1196.2	1223.3	1255.0	1282.7	1301.3	1302.5	1283.2	1260.1	1226.2
20°	1140.9	1151.0	1160.1	1175.3	1203.0	1236.9	1271.4	1290.6	1287.2	1261.8	1227.9
22.5°	1113.2	1120.5	1127.9	1139.2	1161.2	1183.2	1223.3	1262.9	1279.9	1258.9	1226.2
25°	1085.5	1093.4	1099.0	1106.9	1124.5	1142.5	1170.8	1220.0	1257.8	1256.7	1222.8
27.5°	1052.7	1063.4	1070.2	1081.0	1092.8	1106.4	1125.6	1171.9	1226.2	1245.4	1213.7
30°	1013.1	1029.0	1039.1	1051.0	1061.2	1073.0	1088.3	1116.6	1183.8	1223.3	1204.1
32.5°	956.1	984.3	1006.9	1018.2	1029.5	1039.7	1053.3	1077.0	1131.8	1193.4	1193.4
35°	915.4	928.4	948.7	981.5	995.6	1005.8	1018.2	1036.9	1071.9	1157.8	1175.9
37.5°	883.7	888.8	899.0	931.2	957.8	974.2	986.6	998.5	1032.9	1109.2	1153.3
40°	860.0	858.3	857.2	872.4	910.3	936.3	950.4	962.3	988.9	1051.0	1123.3
42.5°	832.3	830.6	825.0	828.9	847.6	891.1	912.6	925.6	947.6	990.0	1090.6
45°	803.5	800.7	798.4	794.5	801.3	825.5	869.6	888.8	901.3	939.1	1049.3
47.5°	774.1	770.2	767.3	764.0	760.0	771.3	813.1	847.6	869.1	892.8	999.6
50°	732.3	737.4	734.0	730.1	726.7	724.4	741.9	798.4	825.0	844.2	939.1
52.5°	345.3	671.3	699.5	695.6	691.1	687.1	691.1	734.0	782.0	797.3	866.2
55°	196.6	298.9	622.1	657.7	653.8	648.1	644.7	659.4	731.2	751.5	799.6
57.5°	189.3	189.9	274.6	592.7	614.8	609.7	605.7	609.1	670.2	704.6	741.4
60°	183.1	183.1	183.1	262.2	566.8	568.4	563.4	557.7	584.3	652.1	682.6
62.5°	169.5	172.9	174.6	174.6	258.8	524.9	519.9	518.2	519.3	588.8	623.8
65°	152.0	159.9	163.3	165.6	165.6	271.8	475.2	472.4	468.4	495.0	564.5
67.5°	132.8	140.7	148.0	152.6	153.1	158.2	283.7	425.5	419.8	420.4	501.2
70°	113.0	119.8	127.7	134.5	140.7	143.5	148.0	353.2	371.8	363.9	429.4
72.5°	97.8	100.6	106.2	113.0	120.4	127.1	131.1	140.7	322.6	314.2	326.6
75°	81.4	83.6	87.6	92.1	97.8	105.7	112.4	119.2	171.2	263.3	261.6
77.5°	63.3	67.2	71.8	74.6	77.4	83.1	92.1	98.9	105.7	178.0	209.6
80°	48.6	51.4	53.7	56.5	59.9	63.9	67.2	75.2	83.1	89.3	160.5
82.5°	36.2	37.9	39.6	40.7	41.8	44.1	50.3	53.1	58.2	63.9	75.7
85°	25.4	26.6	27.7	28.3	28.8	29.4	31.6	32.2	37.3	38.4	45.8
87.5°	16.4	17.0	18.1	18.6	18.6	19.2	19.8	19.8	19.8	18.6	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214036

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1233.0	1233.0
2.5°	1233.5	1242.6
5°	1231.8	1243.7
7.5°	1227.3	1238.6
10°	1220.5	1234.1
12.5°	1213.2	1226.2
15°	1207.0	1216.6
17.5°	1200.2	1205.8
20°	1191.1	1195.7
22.5°	1182.1	1179.8
25°	1171.9	1166.8
27.5°	1158.9	1149.3
30°	1147.1	1130.1
32.5°	1135.8	1108.1
35°	1120.5	1085.5
37.5°	1104.7	1062.3
40°	1086.0	1035.8
42.5°	1066.3	1009.2
45°	1041.4	983.8
47.5°	1019.4	953.3
50°	988.9	920.5
52.5°	951.6	890.0
55°	907.5	852.7
57.5°	860.0	813.7
60°	809.2	769.0
62.5°	747.6	722.7
65°	675.2	669.6
67.5°	580.9	610.8
70°	476.3	543.6
72.5°	398.4	472.4
75°	326.6	392.7
77.5°	258.8	308.0
80°	161.6	225.5
82.5°	108.5	148.0
85°	65.5	70.6
87.5°	25.4	26.0
90°	0.0	0.0

(END OF REPORT)