

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: P1213380

Luminaire Tested: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213380
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: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

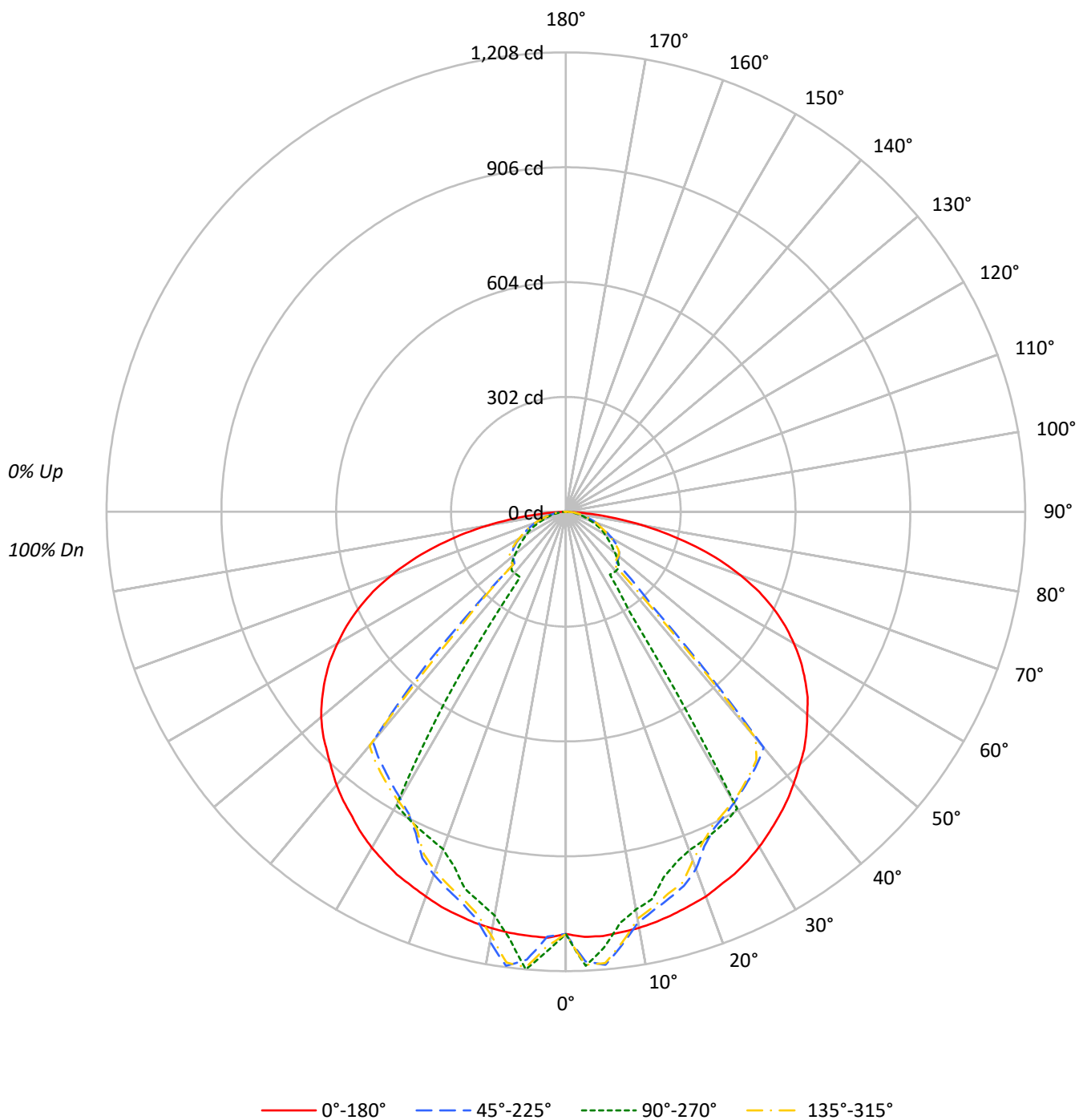
Lumens per Lamp: N/A
Luminaire Lumens: 2223.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8971	8971	8971	8971
5°	9059	9038	9055	9486
10°	9067	8172	9080	8297
15°	9088	7560	9109	7801
20°	9153	7171	9153	7145
25°	9233	7034	9246	6968
30°	9326	6910	9350	6828
35°	9435	1574	9455	1641
40°	9587	1637	9643	1689
45°	9815	1628	9850	1687
50°	10045	1471	10181	1511
55°	10354	1307	10436	1325
60°	10616	1161	10639	1176
65°	10804	1013	10777	997
70°	10649	817	10616	787
75°	9887	628	9957	602
80°	8025	446	8345	409
85°	4345	268	4591	205

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 357.5°

Vertical Angle: 60°

Luminance: 10877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	4.9
10°-20°	300.3	13.5
20°-30°	444.8	20.0
30°-40°	448.2	20.2
40°-50°	350.1	15.7
50°-60°	270.4	12.2
60°-70°	181.6	8.2
70°-80°	92.6	4.2
80°-90°	25.8	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°	854.3	38.4
0°-40°	1302.5	58.6
0°-60°	1923.1	86.5
0°-90°	2223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2223.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1110	1110	1110	1110	1110	
5°	1120	1151	1119	1208	1120	107
15°	1095	995	1098	1026	1095	310
25°	1051	927	1052	918	1051	485
35°	977	202	979	210	977	612
45°	886	196	889	203	886	683
55°	768	142	774	144	768	686
65°	603	96	601	94	603	593
75°	354	48	356	46	354	370
85°	64	15	67	12	64	87
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°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1118.8	1122.8	1125.9	1127.9	1128.9	1128.9	1129.4	1130.0	1136.6	1139.6	1141.7
5°	1119.8	1123.8	1130.0	1138.1	1145.2	1151.3	1156.4	1163.5	1170.7	1178.3	1180.8
7.5°	1115.2	1120.3	1132.5	1147.2	1161.0	1170.7	1177.3	1181.8	1185.4	1185.9	1188.5
10°	1111.1	1120.3	1137.1	1156.4	1173.7	1185.4	1185.4	1182.9	1186.4	1172.7	1158.9
12.5°	1104.0	1114.2	1137.1	1162.5	1178.8	1183.4	1181.3	1171.2	1150.3	1133.5	1125.9
15°	1095.4	1109.1	1137.6	1166.1	1179.8	1181.3	1162.0	1136.1	1120.3	1110.1	1097.4
17.5°	1085.7	1104.0	1138.1	1166.6	1171.7	1164.5	1127.9	1111.6	1095.4	1071.4	1054.1
20°	1076.5	1094.3	1134.0	1159.5	1162.5	1130.5	1102.0	1084.7	1057.2	1036.3	1028.7
22.5°	1062.3	1083.1	1130.5	1149.8	1138.1	1101.0	1073.5	1046.0	1021.1	1015.0	1005.8
25°	1050.6	1072.5	1122.3	1138.1	1107.1	1074.0	1041.9	1009.9	998.2	989.5	981.4
27.5°	1034.8	1061.8	1111.6	1116.7	1074.0	1045.0	998.2	983.9	973.3	963.6	960.0
30°	1017.5	1050.6	1096.9	1087.2	1046.5	1003.8	969.2	956.0	948.3	938.1	934.1
32.5°	997.7	1033.8	1080.6	1053.1	1017.0	963.6	941.2	931.0	920.9	913.2	887.8
35°	977.3	1019.0	1061.3	1020.6	981.4	933.1	913.2	904.1	894.4	866.4	840.0
37.5°	956.5	1002.8	1037.9	985.5	934.1	901.5	884.7	874.6	852.7	817.1	803.8
40°	932.6	982.9	1007.8	949.3	892.9	869.5	853.7	843.5	794.2	778.4	774.3
42.5°	908.6	963.6	971.2	914.2	858.8	835.4	822.2	788.6	755.0	746.9	748.4
45°	885.7	942.7	931.0	864.4	823.2	803.8	781.5	735.2	717.3	721.4	722.4
47.5°	858.3	917.8	888.8	814.5	786.5	767.2	717.3	689.4	686.8	692.4	695.5
50°	828.8	889.8	844.0	769.2	746.9	724.0	667.5	653.2	656.3	661.9	665.5
52.5°	801.3	858.3	797.7	727.0	707.7	655.3	617.1	619.7	624.8	631.4	633.4
55°	767.7	820.1	748.4	684.3	666.0	597.3	580.0	586.1	591.2	596.8	600.8
57.5°	732.6	776.4	689.9	636.5	606.9	545.9	547.4	551.5	555.1	561.7	232.0
60°	692.4	726.5	625.8	592.2	533.7	505.2	506.7	513.8	517.4	289.0	159.7
62.5°	650.7	668.5	567.8	541.8	466.5	464.5	471.6	474.7	323.1	152.6	149.6
65°	602.9	599.3	510.8	469.6	420.7	422.8	430.4	415.1	143.0	143.0	141.9
67.5°	550.0	528.6	455.3	388.7	376.5	381.1	389.2	135.8	132.3	133.3	129.7
70°	489.4	459.4	397.8	329.2	333.2	337.8	131.3	123.1	121.6	119.0	111.9
72.5°	425.3	384.1	325.6	285.9	288.5	181.1	115.0	110.9	105.8	100.7	93.1
75°	353.6	300.2	239.1	239.1	242.7	103.3	100.2	93.6	88.0	81.4	76.8
77.5°	277.3	231.0	185.7	192.8	94.1	86.5	80.9	73.8	69.2	65.1	62.6
80°	203.0	161.3	139.9	125.2	73.3	65.6	60.0	56.0	53.9	51.4	48.3
82.5°	133.3	97.2	97.2	59.0	51.4	45.3	43.8	40.7	38.7	37.1	35.6
85°	63.6	56.5	42.7	36.1	32.1	29.0	28.0	26.5	26.5	25.9	25.4
87.5°	23.4	25.4	18.8	18.3	17.3	16.8	17.3	17.3	17.8	17.3	16.8
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°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1146.7	1150.8	1153.9	1158.9	1165.6	1171.2	1176.2	1183.4	1194.6	1197.6	1200.2
5°	1180.8	1182.4	1185.9	1190.0	1191.0	1193.5	1193.0	1196.1	1197.6	1201.2	1193.5
7.5°	1182.9	1174.7	1165.1	1156.4	1150.3	1144.7	1141.1	1146.7	1149.8	1152.3	1144.7
10°	1140.1	1130.5	1124.9	1119.8	1113.7	1105.0	1093.3	1095.9	1094.8	1094.8	1092.3
12.5°	1113.2	1099.4	1085.2	1072.5	1066.9	1066.4	1066.9	1072.5	1072.5	1072.0	1068.9
15°	1070.9	1057.7	1050.6	1047.5	1047.5	1046.0	1046.0	1052.1	1050.6	1050.6	1049.1
17.5°	1043.0	1033.8	1028.7	1025.1	1023.6	1026.2	1029.2	1031.8	1032.3	1030.2	1022.1
20°	1020.1	1011.4	1005.3	1006.3	1005.8	1007.3	1008.9	1000.2	989.5	975.3	968.7
22.5°	996.1	989.5	985.0	985.0	978.8	969.2	954.9	951.9	950.4	943.7	938.1
25°	973.3	965.6	959.0	938.7	925.9	927.5	924.9	919.8	919.3	918.8	920.9
27.5°	950.4	930.5	905.1	902.0	896.9	896.4	899.5	902.0	902.0	904.1	906.6
30°	903.0	880.2	875.6	870.0	872.0	879.1	880.7	884.2	885.2	888.8	890.8
32.5°	859.8	849.6	845.6	848.1	854.7	860.8	864.4	865.9	868.4	871.5	874.0
35°	824.7	821.6	825.2	830.8	837.4	842.5	845.6	848.6	851.2	853.7	855.7
37.5°	798.7	800.8	805.9	813.0	819.6	823.7	826.2	829.8	833.3	836.4	824.2
40°	774.3	779.4	785.0	792.6	798.2	802.3	804.9	809.4	778.9	352.6	193.3
42.5°	753.0	758.6	762.6	768.7	774.8	777.9	755.5	337.3	190.8	189.8	192.3
45°	727.0	731.6	738.2	742.8	748.4	491.5	187.7	189.8	186.7	188.7	189.8
47.5°	700.6	707.7	711.2	678.7	202.0	186.7	184.7	186.7	184.7	187.2	185.7
50°	670.5	679.2	483.3	182.6	181.1	180.1	182.1	181.1	182.6	184.7	180.6
52.5°	640.0	396.3	177.0	176.0	177.0	176.0	179.6	177.0	177.6	175.5	170.4
55°	216.7	171.5	169.9	169.4	172.5	172.5	172.5	168.4	165.9	160.8	157.2
57.5°	165.9	165.9	165.3	165.9	164.8	163.8	159.2	155.7	152.1	145.0	143.0
60°	157.2	157.2	157.2	157.2	152.6	150.6	143.5	140.4	134.3	130.8	128.7
62.5°	150.1	149.1	144.5	143.0	137.9	132.3	128.2	125.2	119.0	117.0	115.5
65°	139.9	136.3	130.8	124.6	122.1	116.0	114.0	109.4	106.3	104.8	103.8
67.5°	123.1	118.0	113.5	109.4	104.8	102.8	100.2	96.7	94.6	93.6	92.6
70°	105.3	101.8	97.2	94.6	91.6	90.1	86.5	85.5	83.9	82.4	80.9
72.5°	88.0	86.0	83.9	80.4	79.4	78.3	74.8	72.8	70.7	68.7	67.7
75°	73.8	72.2	71.2	68.2	66.6	63.6	61.1	59.5	58.0	56.5	55.5
77.5°	60.5	59.5	56.5	54.4	53.4	50.9	49.9	50.4	49.3	47.3	46.3
80°	47.3	46.3	43.8	43.8	42.7	41.7	40.7	39.7	38.7	37.1	36.1
82.5°	36.1	35.1	34.1	33.1	32.1	31.5	31.0	30.0	29.0	28.0	27.5
85°	25.4	24.9	24.4	23.9	23.4	22.9	22.4	21.4	20.4	19.8	19.3
87.5°	17.3	16.8	16.3	15.8	15.3	14.8	14.2	13.7	12.7	12.2	11.7
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°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1200.2	1202.7	1200.2	1194.6	1191.0	1189.5	1192.5	1192.5	1194.6	1197.1	1197.6
5°	1181.3	1175.2	1168.1	1161.0	1157.4	1155.4	1149.8	1150.8	1152.3	1153.4	1154.4
7.5°	1134.5	1126.4	1116.7	1107.6	1104.0	1101.0	1094.3	1094.3	1094.3	1094.8	1097.9
10°	1086.7	1083.1	1079.1	1073.0	1068.4	1066.9	1061.3	1062.8	1061.8	1063.3	1066.9
12.5°	1064.3	1060.3	1056.7	1050.6	1045.5	1043.5	1040.9	1042.4	1041.9	1044.5	1047.5
15°	1044.0	1041.9	1037.9	1033.3	1028.7	1024.6	1015.5	1012.4	1010.4	1007.8	1011.4
17.5°	1010.4	996.1	986.5	979.4	974.3	970.7	968.2	968.2	969.7	971.2	974.3
20°	964.6	960.5	956.0	948.3	943.2	941.2	939.7	939.7	942.2	944.3	949.9
22.5°	933.1	932.6	931.0	927.5	924.9	924.9	925.4	926.4	930.0	933.1	938.7
25°	918.3	920.3	919.3	917.3	915.8	916.3	915.3	916.3	919.8	922.9	927.5
27.5°	906.6	909.7	908.6	905.6	903.0	904.1	905.6	904.6	907.6	911.2	914.7
30°	890.8	891.3	893.4	889.8	888.8	890.3	890.8	891.9	894.9	897.4	900.5
32.5°	873.0	877.1	876.6	873.0	873.0	874.6	875.1	841.0	777.4	669.5	640.0
35°	855.7	860.3	852.7	718.9	497.6	265.6	205.0	197.9	199.4	200.5	201.5
37.5°	632.9	300.2	191.3	192.8	194.3	195.9	197.4	198.9	200.5	202.0	202.5
40°	190.3	189.8	191.3	193.3	194.9	195.9	197.9	199.4	201.0	202.5	203.0
42.5°	188.2	189.3	190.8	192.8	194.9	196.9	198.4	200.5	201.5	202.5	203.0
45°	187.2	189.3	191.3	192.8	194.3	195.4	196.4	196.9	196.4	196.4	197.4
47.5°	185.7	187.7	188.2	187.7	188.2	187.7	187.7	187.7	186.2	185.7	185.7
50°	180.1	180.1	179.1	177.0	176.5	176.0	175.0	174.5	172.5	172.0	172.0
52.5°	168.4	167.9	166.4	163.8	162.8	161.8	161.3	160.8	158.7	157.7	158.2
55°	154.7	153.6	152.1	149.1	148.6	147.5	147.0	146.5	144.5	145.5	144.0
57.5°	141.9	139.9	137.9	137.4	135.3	134.8	134.3	133.8	132.3	132.8	131.8
60°	126.7	126.2	125.2	123.1	123.1	122.6	122.6	121.6	120.6	120.1	120.1
62.5°	115.5	114.0	112.9	112.9	111.4	111.4	111.4	110.4	109.4	109.9	109.4
65°	103.3	102.8	102.3	101.2	101.2	100.7	100.7	99.7	98.2	98.7	97.7
67.5°	93.1	92.1	91.1	90.6	88.5	87.5	87.0	86.5	84.5	85.0	83.9
70°	80.4	78.9	77.8	76.8	75.3	74.3	74.3	73.3	71.7	72.2	71.2
72.5°	67.2	66.1	65.1	64.6	63.1	62.6	62.1	61.6	60.0	60.5	60.0
75°	56.0	56.0	55.5	54.9	53.4	51.9	50.9	50.4	49.3	49.9	48.8
77.5°	46.3	45.3	44.3	44.3	42.7	41.7	40.7	40.7	40.7	40.2	39.7
80°	36.1	35.1	35.1	34.6	33.6	32.6	32.1	32.1	31.5	31.5	31.0
82.5°	27.5	26.5	25.9	25.9	24.9	24.4	23.9	23.4	23.4	23.4	22.9
85°	19.3	18.3	17.8	17.8	16.8	16.3	16.3	15.8	15.8	15.3	15.3
87.5°	11.7	11.2	10.7	10.7	9.7	9.2	9.2	9.2	8.6	8.6	8.1
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: P1213380

CATALOG NUMBER: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1197.6	1197.6	1194.1	1195.1	1193.5	1195.6	1193.0	1193.0	1196.1	1196.1	1198.1
5°	1154.9	1152.3	1151.8	1150.8	1145.7	1147.8	1145.2	1142.7	1146.2	1146.2	1150.8
7.5°	1096.4	1091.8	1093.8	1090.8	1087.7	1083.1	1084.7	1082.6	1085.2	1088.7	1093.3
10°	1066.4	1062.3	1064.8	1061.8	1063.3	1056.7	1057.2	1057.7	1060.3	1061.3	1065.3
12.5°	1047.0	1046.0	1045.0	1044.0	1045.0	1041.4	1039.4	1039.9	1040.9	1041.4	1044.5
15°	1006.3	999.7	1001.7	994.6	995.1	995.6	991.6	995.6	995.1	1001.7	1007.8
17.5°	973.3	973.3	969.7	966.6	964.6	964.1	961.0	963.1	961.0	965.1	966.6
20°	950.4	949.9	949.3	947.8	942.7	943.2	944.8	940.2	939.7	939.2	942.2
22.5°	939.7	940.2	938.1	938.1	933.6	934.6	935.1	930.0	930.5	929.0	930.5
25°	928.5	929.5	927.0	927.0	925.9	925.4	922.9	923.9	920.9	918.3	920.9
27.5°	915.3	917.3	915.3	916.3	914.2	913.2	911.7	910.7	907.6	907.1	908.6
30°	903.0	904.1	903.6	901.0	900.5	897.4	899.0	895.9	892.9	893.4	894.4
32.5°	463.0	442.1	340.9	307.8	304.7	315.9	374.4	455.8	590.7	721.4	815.5
35°	202.0	202.0	202.0	201.5	201.5	201.0	200.5	199.9	199.4	198.9	198.4
37.5°	203.0	203.0	203.0	203.0	202.5	202.0	202.0	201.0	200.5	199.9	199.4
40°	203.5	204.0	204.0	204.0	203.5	203.5	203.0	202.0	201.5	200.5	199.4
42.5°	203.0	203.5	203.5	203.0	203.0	202.5	202.5	202.0	201.5	201.0	200.5
45°	196.4	196.9	195.9	195.9	195.4	195.4	195.4	195.4	195.4	195.9	195.9
47.5°	184.7	184.7	184.2	183.7	183.7	183.2	183.7	183.2	184.2	184.7	185.7
50°	170.9	170.9	169.9	169.4	169.4	169.4	169.4	169.9	170.4	171.5	172.5
52.5°	156.7	156.7	156.2	155.7	155.2	155.2	156.7	156.2	156.7	157.2	158.7
55°	143.0	143.5	142.5	142.5	141.9	141.9	141.9	142.5	143.0	143.5	145.0
57.5°	131.3	131.3	130.2	130.2	130.2	129.7	131.3	130.2	130.8	131.3	132.3
60°	119.6	119.0	119.0	118.5	118.5	118.5	119.6	119.0	119.0	119.6	120.6
62.5°	108.9	108.9	108.4	108.4	107.9	107.9	108.9	108.4	108.4	108.9	109.4
65°	96.7	96.7	96.2	95.6	97.2	95.6	97.2	96.2	97.2	97.7	98.7
67.5°	82.9	82.9	82.9	82.4	82.4	83.4	83.9	82.9	83.4	84.5	85.0
70°	70.7	70.7	70.2	70.2	70.2	71.2	71.7	70.7	71.2	71.7	72.8
72.5°	60.0	59.0	59.0	58.5	59.5	59.5	60.0	59.5	60.0	60.0	61.1
75°	49.3	48.3	48.3	48.3	49.3	48.8	49.3	48.8	49.3	49.3	49.9
77.5°	39.7	39.2	38.7	38.7	39.7	39.7	39.7	39.2	39.7	40.2	40.7
80°	31.0	30.5	30.0	30.0	31.0	31.0	31.0	31.5	31.0	31.5	32.1
82.5°	22.9	22.4	21.9	22.9	22.9	22.9	22.9	23.4	22.9	23.4	23.9
85°	15.3	14.8	14.2	15.3	15.3	15.3	15.3	15.8	15.3	15.8	16.3
87.5°	8.1	7.6	7.6	8.1	8.1	8.1	8.6	8.6	8.6	9.2	9.2
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: P1213380

CATALOG NUMBER: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1201.2	1202.7	1202.2	1199.1	1196.1	1192.5	1190.0	1190.5	1195.6	1197.1	1192.5
5°	1150.8	1160.5	1160.5	1167.1	1163.5	1160.5	1162.5	1173.7	1179.3	1187.9	1191.0
7.5°	1098.9	1103.5	1103.0	1109.6	1108.6	1108.6	1110.1	1124.9	1132.0	1139.1	1141.1
10°	1069.9	1074.5	1074.0	1074.5	1073.0	1069.4	1069.4	1076.0	1082.1	1085.7	1086.7
12.5°	1049.1	1051.6	1051.1	1051.1	1050.1	1047.0	1046.5	1052.1	1058.7	1063.3	1063.8
15°	1018.0	1025.1	1026.7	1033.3	1031.8	1027.7	1028.7	1033.3	1037.4	1041.4	1039.9
17.5°	971.7	975.3	975.8	978.3	977.3	977.3	983.4	1000.2	1011.4	1021.1	1022.1
20°	945.3	947.8	946.8	952.4	949.9	949.3	950.9	958.0	963.1	967.7	975.8
22.5°	932.6	934.6	933.1	933.6	929.0	924.9	923.9	929.5	935.1	941.2	941.2
25°	921.9	923.4	922.9	921.9	918.3	912.7	911.7	912.7	914.7	915.3	911.7
27.5°	909.1	910.2	910.2	910.7	906.1	901.0	900.0	899.0	901.0	900.5	894.9
30°	895.9	894.4	894.9	895.4	891.3	886.8	884.7	884.2	886.3	885.7	880.2
32.5°	864.4	876.1	877.1	878.1	874.6	870.5	868.4	866.9	867.9	867.4	862.3
35°	197.9	201.5	246.7	558.6	758.6	840.0	848.6	846.6	847.1	847.1	843.0
37.5°	198.4	197.9	197.4	195.9	194.3	193.3	334.3	712.8	825.7	826.2	822.7
40°	198.4	197.9	197.4	196.4	194.3	192.8	190.3	188.2	192.8	424.3	776.4
42.5°	199.4	198.4	197.4	196.4	194.3	192.3	190.3	187.7	189.3	188.2	185.7
45°	196.4	195.9	195.9	195.4	194.3	192.3	189.8	186.7	185.2	186.7	184.2
47.5°	186.7	187.2	188.7	189.3	189.3	189.8	188.2	186.2	183.7	185.2	182.1
50°	173.5	174.5	175.0	177.6	178.6	180.6	181.1	181.1	180.6	182.6	180.6
52.5°	159.2	160.3	162.8	163.8	164.8	167.9	168.9	170.4	171.5	174.5	176.5
55°	145.5	146.0	147.0	149.1	150.6	153.1	154.7	156.2	158.7	160.3	166.4
57.5°	132.8	133.3	135.3	135.8	136.9	138.9	140.4	142.5	144.5	145.5	152.6
60°	120.6	121.1	122.6	123.1	123.6	125.7	127.2	128.7	130.2	131.3	136.3
62.5°	109.9	109.9	111.4	111.4	111.9	113.5	114.5	115.5	117.0	117.5	120.1
65°	99.2	99.7	100.7	100.7	101.2	102.3	102.8	103.3	104.8	104.8	106.8
67.5°	86.0	86.5	88.0	89.0	89.5	91.6	92.1	92.6	93.6	94.1	95.1
70°	73.3	73.8	75.3	75.8	76.3	77.8	78.9	80.4	81.9	83.4	84.5
72.5°	61.6	62.1	63.6	63.6	65.1	65.6	66.6	67.2	68.7	69.7	71.2
75°	50.4	50.9	52.4	52.4	53.9	54.4	54.9	55.5	56.5	57.5	58.5
77.5°	41.2	41.2	43.2	44.3	45.3	45.3	45.8	45.8	45.8	46.3	47.3
80°	32.6	32.6	34.1	35.1	36.1	36.1	36.6	37.1	37.6	37.6	38.2
82.5°	24.4	24.4	25.9	26.5	27.5	27.5	27.5	28.0	28.5	28.0	29.0
85°	16.8	16.8	17.8	18.3	19.3	19.3	19.3	19.8	20.4	19.8	20.4
87.5°	9.7	10.2	10.7	11.2	11.7	12.2	12.2	12.2	12.7	12.7	13.2
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: P1213380

CATALOG NUMBER: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1187.4	1181.3	1180.8	1173.7	1171.7	1172.2	1166.6	1164.5	1155.4	1153.4	1143.7
5°	1192.0	1195.1	1193.5	1193.0	1194.6	1193.5	1189.5	1187.4	1185.9	1181.8	1173.7
7.5°	1141.7	1143.7	1145.2	1151.8	1157.4	1167.1	1177.3	1183.9	1189.0	1190.0	1183.4
10°	1090.3	1099.9	1106.5	1116.7	1124.9	1130.5	1136.6	1142.2	1156.9	1171.7	1180.3
12.5°	1063.8	1066.4	1065.8	1071.4	1077.0	1091.8	1106.0	1114.2	1125.4	1132.0	1147.8
15°	1041.4	1041.9	1043.5	1047.5	1050.6	1055.7	1062.3	1074.5	1096.9	1107.1	1115.7
17.5°	1021.1	1021.1	1022.1	1025.7	1029.7	1034.3	1038.4	1043.5	1054.7	1071.4	1092.8
20°	988.5	1002.8	1004.3	1003.8	1005.8	1014.5	1015.5	1024.6	1030.2	1036.8	1057.7
22.5°	940.2	948.8	961.0	979.9	987.0	991.1	994.1	998.2	1006.8	1014.5	1023.1
25°	913.7	919.3	922.9	928.5	943.2	967.1	971.7	976.3	981.9	987.5	998.2
27.5°	890.3	889.8	892.4	897.4	901.5	914.2	936.6	954.4	955.4	963.6	972.7
30°	873.5	870.5	866.9	865.9	871.5	878.1	884.7	912.7	932.0	936.1	945.8
32.5°	857.8	852.7	847.6	843.5	840.0	845.6	849.6	861.8	886.8	910.2	915.3
35°	838.4	833.3	827.2	822.7	817.1	816.6	816.0	827.7	835.9	863.9	888.3
37.5°	818.6	813.0	807.9	802.8	797.2	793.2	790.6	793.7	801.3	813.5	854.2
40°	797.7	791.1	786.0	782.0	774.3	771.3	766.2	764.2	764.7	775.3	796.7
42.5°	476.7	760.1	762.6	758.0	751.4	747.4	741.8	739.2	734.1	739.2	751.4
45°	183.7	185.7	556.1	734.6	726.5	721.4	716.3	713.8	708.2	704.1	715.3
47.5°	180.1	182.1	178.1	252.3	693.4	695.0	688.9	686.3	680.7	677.7	674.6
50°	177.6	179.1	176.0	177.0	173.5	635.4	660.9	657.8	651.7	648.2	642.1
52.5°	175.0	175.0	173.0	170.4	169.4	169.9	534.7	628.8	621.7	618.1	610.0
55°	166.9	167.9	169.9	165.9	164.8	164.3	162.8	509.3	588.6	584.6	577.4
57.5°	154.7	156.7	162.3	161.3	161.3	157.2	156.2	156.2	472.6	550.5	543.4
60°	140.4	142.5	148.6	150.6	152.1	151.1	150.1	149.6	147.5	498.1	507.2
62.5°	125.7	127.7	129.7	136.3	138.4	140.9	144.0	142.5	140.4	140.4	469.1
65°	109.9	112.9	114.0	120.1	122.6	127.2	129.7	133.3	132.3	131.8	134.3
67.5°	96.2	99.7	100.2	102.8	107.3	109.4	112.4	119.0	122.1	123.1	124.1
70°	84.5	86.5	88.0	89.0	92.1	92.6	98.2	102.8	107.3	112.4	114.0
72.5°	72.8	74.3	77.3	76.3	77.3	79.4	82.4	85.5	90.1	97.2	101.8
75°	59.5	60.5	62.6	63.6	65.6	67.2	69.2	71.7	75.8	79.4	85.5
77.5°	47.8	48.3	49.9	50.4	52.4	53.9	57.5	59.0	61.6	64.1	67.7
80°	38.7	38.7	39.2	39.2	40.7	42.2	44.8	46.3	49.3	51.4	51.4
82.5°	29.5	29.5	31.0	31.0	32.1	32.1	33.6	33.6	35.1	36.1	37.1
85°	20.9	21.4	22.4	21.9	22.9	22.4	23.4	24.4	24.9	24.4	23.9
87.5°	13.7	13.7	14.8	14.2	14.8	14.8	15.8	15.8	16.3	16.3	15.8
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: P1213380

CATALOG NUMBER: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1140.1	1132.5	1127.9	1122.3	1120.8	1119.3	1121.3	1121.3	1118.2	1115.7	1111.1
5°	1166.6	1158.4	1149.8	1140.6	1132.0	1122.8	1119.3	1118.8	1113.2	1110.1	1108.6
7.5°	1180.3	1176.2	1166.6	1153.9	1140.6	1124.4	1117.2	1113.2	1107.6	1106.5	1106.5
10°	1181.8	1177.3	1172.2	1163.0	1147.8	1126.4	1112.7	1104.5	1099.4	1103.0	1109.6
12.5°	1167.1	1175.7	1171.2	1165.1	1152.8	1126.9	1107.1	1094.8	1093.3	1102.5	1119.8
15°	1129.4	1154.9	1167.6	1161.5	1151.8	1125.9	1097.9	1083.7	1083.7	1102.5	1124.9
17.5°	1101.0	1120.8	1151.8	1156.9	1145.7	1123.8	1089.2	1072.5	1077.0	1104.5	1128.4
20°	1077.5	1089.8	1119.8	1148.3	1137.6	1119.3	1076.5	1059.2	1068.4	1101.5	1133.5
22.5°	1040.9	1065.3	1083.7	1125.9	1129.4	1110.6	1063.8	1043.0	1061.3	1101.5	1131.0
25°	1005.3	1034.8	1054.1	1095.4	1117.2	1099.9	1052.1	1025.7	1053.6	1099.9	1128.9
27.5°	980.4	994.1	1029.2	1058.7	1098.9	1085.7	1036.3	1006.8	1044.0	1091.8	1117.2
30°	953.9	963.1	997.7	1025.7	1074.5	1069.4	1020.1	986.0	1031.8	1084.2	1086.7
32.5°	924.9	935.1	952.9	993.6	1040.4	1054.1	1001.7	965.1	1018.5	1072.5	1051.1
35°	895.4	903.0	917.3	961.0	1000.7	1031.3	979.4	941.2	1009.4	1054.7	1017.0
37.5°	865.9	874.0	886.3	922.9	959.0	1009.9	960.0	917.3	992.6	1023.1	981.4
40°	837.9	842.5	855.2	878.1	924.4	988.0	938.1	892.4	975.3	982.9	933.1
42.5°	786.5	809.4	821.1	839.4	885.2	958.0	912.7	865.9	956.0	942.7	884.7
45°	731.1	780.9	786.0	804.3	850.6	925.9	888.8	840.0	937.6	908.1	838.9
47.5°	685.8	721.9	751.4	766.7	809.4	888.3	866.4	818.1	910.2	864.4	794.2
50°	645.6	664.9	718.4	729.6	760.1	843.0	840.0	792.6	872.0	809.4	750.4
52.5°	606.4	620.2	668.5	692.4	717.3	794.2	808.4	767.7	830.3	754.5	706.2
55°	572.4	576.9	603.4	653.8	676.1	744.8	773.8	738.7	777.4	702.1	663.4
57.5°	537.2	533.2	552.5	617.1	633.4	694.5	737.2	709.2	734.6	648.7	619.2
60°	500.6	495.0	503.2	545.9	588.1	644.6	693.9	676.6	682.8	595.8	569.8
62.5°	462.5	456.9	454.3	481.3	543.9	593.2	650.2	640.5	619.2	547.4	508.8
65°	422.8	417.2	413.1	423.8	495.0	526.6	601.4	598.8	549.5	496.5	428.4
67.5°	128.7	379.5	370.9	370.4	417.2	466.0	548.4	544.4	479.2	442.1	368.8
70°	116.0	307.8	327.1	322.6	342.9	404.5	487.9	484.8	411.1	354.6	326.1
72.5°	106.3	108.9	289.0	283.9	288.5	343.9	424.8	416.7	348.5	279.8	281.9
75°	91.1	95.6	99.7	239.6	233.5	284.9	356.1	343.4	287.4	231.0	235.6
77.5°	74.3	79.9	82.9	174.5	188.7	203.0	284.4	267.6	197.9	184.7	88.0
80°	55.5	60.0	65.1	69.7	143.5	141.9	211.1	194.3	137.9	115.0	68.7
82.5°	40.7	42.2	45.3	50.4	57.0	95.1	135.8	119.6	95.6	52.4	47.3
85°	25.4	27.5	29.0	30.5	34.6	57.0	67.2	53.4	40.2	32.1	30.0
87.5°	16.3	16.3	15.8	16.3	16.8	20.4	22.9	21.9	17.3	16.3	16.3
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: P1213380

CATALOG NUMBER: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1106.0	1098.9	1098.9	1096.9	1098.4	1098.4	1097.9	1098.4	1102.0	1104.0	1107.6
5°	1105.5	1103.5	1108.1	1113.7	1120.3	1128.4	1130.5	1137.6	1144.2	1152.8	1162.0
7.5°	1112.1	1119.3	1127.9	1137.1	1150.3	1160.0	1168.6	1177.3	1183.4	1191.5	1196.6
10°	1121.8	1136.1	1150.8	1162.5	1176.8	1184.9	1190.5	1191.5	1182.9	1169.1	1157.9
12.5°	1135.5	1152.3	1166.1	1177.3	1183.9	1180.8	1164.5	1147.8	1138.1	1123.8	1104.0
15°	1147.2	1162.5	1176.8	1172.2	1154.4	1137.6	1124.9	1105.0	1085.7	1072.5	1063.8
17.5°	1152.3	1167.1	1162.0	1138.1	1121.3	1102.0	1076.0	1060.8	1048.0	1037.9	1032.8
20°	1155.4	1152.8	1125.4	1108.1	1075.5	1057.7	1040.9	1026.7	1017.0	1011.9	1010.9
22.5°	1147.2	1116.2	1092.8	1061.8	1037.9	1023.1	1009.9	998.2	991.6	987.5	985.0
25°	1120.3	1084.2	1049.6	1025.1	1004.8	992.1	981.9	972.2	964.1	962.1	957.0
27.5°	1082.6	1053.1	1007.3	988.5	970.7	964.6	953.4	943.7	936.6	930.5	914.2
30°	1051.6	1004.8	971.7	954.4	943.7	936.6	923.9	913.7	901.5	879.1	870.0
32.5°	1013.4	967.1	935.6	925.9	912.7	906.6	892.4	870.0	851.2	842.0	841.5
35°	964.1	925.9	903.0	894.4	883.7	873.5	844.0	823.7	814.5	815.5	823.2
37.5°	922.9	888.8	874.0	861.8	849.6	823.7	798.7	789.1	791.6	796.7	800.3
40°	881.2	855.2	838.4	828.8	801.3	775.9	762.6	766.2	770.8	774.3	778.9
42.5°	840.5	822.2	805.4	786.5	748.9	735.2	738.2	742.8	746.9	751.9	756.5
45°	801.8	785.5	766.2	723.5	704.6	708.2	712.8	716.3	722.4	726.0	730.6
47.5°	765.2	747.9	713.8	676.1	674.1	681.2	685.3	689.9	694.5	685.3	378.0
50°	724.0	706.2	654.3	640.0	644.6	651.2	656.3	660.9	588.6	234.0	180.1
52.5°	683.3	638.0	604.9	609.0	613.6	621.2	624.8	464.0	184.7	176.0	176.5
55°	638.0	580.0	570.3	575.4	579.5	587.1	389.2	170.4	169.4	168.9	173.0
57.5°	566.8	531.7	535.7	540.8	544.9	384.6	165.9	164.8	165.3	165.9	166.4
60°	503.2	495.5	500.1	504.7	357.1	160.3	157.2	157.7	159.7	158.2	154.2
62.5°	452.8	458.9	463.5	406.0	152.1	150.6	152.1	150.6	147.0	144.5	139.4
65°	414.1	420.2	423.8	143.0	142.5	144.5	143.0	137.9	132.3	125.2	123.6
67.5°	373.4	379.5	135.8	132.3	134.3	131.8	125.7	119.6	115.5	109.4	106.8
70°	331.2	141.9	123.1	122.6	119.0	115.0	108.4	102.3	97.2	94.6	92.1
72.5°	239.1	112.4	110.9	106.8	100.7	95.1	89.5	86.0	83.4	81.9	80.4
75°	99.7	97.7	93.1	86.0	79.9	77.3	73.3	70.7	69.7	66.6	65.6
77.5°	83.4	79.4	72.8	67.7	64.1	62.6	59.5	56.5	54.9	54.4	52.4
80°	64.1	58.5	55.5	52.9	51.9	48.3	44.8	43.2	42.2	41.7	40.2
82.5°	43.8	41.7	39.7	36.1	36.1	34.6	33.1	32.1	31.0	31.0	30.0
85°	28.5	27.0	26.5	24.9	24.9	23.9	23.4	22.9	22.4	21.9	21.4
87.5°	16.3	16.3	16.8	16.3	16.3	15.8	15.3	14.8	14.2	14.2	13.2
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: P1213380

CATALOG NUMBER: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1112.1	1117.2	1118.2	1135.5	1145.2	1144.7	1141.7	1150.8	1145.2	1142.2	1145.2
5°	1171.2	1177.3	1182.4	1201.2	1207.8	1210.8	1210.3	1215.4	1211.4	1207.8	1207.8
7.5°	1200.2	1202.2	1204.2	1199.7	1196.6	1191.5	1183.9	1172.7	1167.1	1161.0	1153.4
10°	1152.3	1145.7	1148.3	1139.1	1131.5	1125.9	1118.8	1109.6	1102.0	1096.4	1087.7
12.5°	1093.8	1093.3	1094.3	1095.9	1088.2	1083.7	1078.1	1071.4	1065.8	1059.7	1052.6
15°	1058.2	1058.7	1062.8	1061.3	1058.7	1056.2	1050.1	1048.0	1043.0	1036.3	1032.3
17.5°	1032.8	1035.3	1039.4	1037.4	1033.3	1030.7	1026.2	1021.6	1017.0	1011.9	1005.8
20°	1010.4	1012.9	1015.5	1012.9	1005.3	1001.7	995.6	981.4	971.2	961.0	951.9
22.5°	986.0	987.5	985.5	977.3	958.0	948.8	941.7	937.6	929.0	923.4	917.8
25°	955.4	946.8	933.6	924.4	916.8	912.7	909.7	909.1	908.1	907.1	904.6
27.5°	905.6	902.5	895.4	891.9	892.4	893.9	894.4	895.9	894.4	892.4	890.3
30°	868.4	870.0	870.5	871.5	874.0	875.6	876.1	878.1	877.1	875.6	874.6
32.5°	845.0	848.6	850.6	853.7	855.2	857.8	857.8	860.8	857.8	857.3	856.2
35°	825.7	828.8	829.8	834.4	835.9	838.4	838.4	841.0	838.4	812.5	641.5
37.5°	806.4	809.4	811.5	815.5	816.0	817.6	754.5	552.0	356.1	275.7	210.6
40°	783.5	787.0	789.1	790.6	555.6	352.6	242.7	197.4	197.4	198.9	200.5
42.5°	759.1	761.6	530.6	308.8	192.3	191.8	193.3	194.9	196.4	198.4	200.5
45°	596.8	301.2	191.3	186.7	188.2	190.3	192.3	194.3	196.9	198.9	199.9
47.5°	195.9	183.7	186.2	184.2	186.7	189.3	191.3	193.3	193.8	194.3	193.8
50°	181.1	181.1	182.6	182.6	184.7	185.7	185.7	185.7	183.7	183.2	181.6
52.5°	175.0	179.1	177.0	178.1	177.0	175.5	174.0	172.5	169.4	168.4	166.4
55°	172.0	173.5	168.4	166.9	164.8	160.8	158.7	156.7	154.2	153.1	150.6
57.5°	164.8	161.3	155.7	153.1	149.6	145.5	143.5	141.9	139.4	138.4	136.9
60°	151.6	144.5	140.9	137.9	133.8	130.2	128.7	127.7	125.7	125.2	123.6
62.5°	135.3	129.2	126.2	122.1	119.0	117.0	115.5	115.0	112.9	112.9	111.9
65°	117.5	114.5	111.9	107.9	106.3	104.3	103.8	103.3	102.3	101.8	100.7
67.5°	103.3	101.2	97.7	95.6	94.6	93.1	92.1	91.1	89.0	88.0	86.5
70°	90.6	89.0	85.5	83.9	81.9	79.4	77.8	76.8	75.3	74.3	72.8
72.5°	78.3	73.8	71.2	69.7	68.2	65.6	65.1	64.1	62.6	62.1	60.5
75°	63.1	59.5	58.0	57.0	55.5	53.9	53.9	53.9	52.4	51.9	51.4
77.5°	50.4	48.3	47.3	46.3	45.8	44.8	43.2	42.7	41.2	41.2	40.7
80°	38.7	37.6	36.6	36.1	35.6	34.6	33.6	33.1	31.5	31.5	31.0
82.5°	28.5	28.0	27.5	27.0	26.5	25.9	24.4	23.9	22.9	22.9	22.4
85°	20.4	19.8	18.8	18.3	18.3	17.8	16.3	15.8	14.8	14.8	14.8
87.5°	12.7	12.2	11.7	11.2	10.7	10.2	9.2	8.6	8.6	7.6	7.1
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: P1213380

CATALOG NUMBER: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1139.1	1147.8	1146.7	1152.8	1154.4	1157.4	1158.4	1158.9	1151.3	1157.4	1157.9
5°	1206.3	1207.8	1208.8	1211.4	1213.9	1214.4	1211.9	1208.8	1209.8	1207.8	1202.7
7.5°	1152.3	1144.7	1143.2	1141.1	1140.1	1139.1	1134.5	1138.6	1134.0	1132.0	1124.9
10°	1086.2	1079.1	1078.6	1078.6	1080.1	1079.6	1078.6	1076.5	1080.6	1078.1	1076.5
12.5°	1051.6	1049.1	1050.6	1049.6	1053.6	1054.7	1053.6	1053.6	1052.6	1050.6	1051.6
15°	1030.7	1028.7	1030.2	1028.7	1031.8	1032.3	1029.7	1031.3	1028.7	1026.2	1025.1
17.5°	1003.3	998.7	995.1	990.0	990.6	989.5	986.5	986.5	983.9	977.3	977.8
20°	950.4	945.8	943.7	943.7	946.3	947.3	946.8	947.8	945.3	944.3	940.2
22.5°	917.3	916.8	917.8	920.3	924.4	930.0	930.5	930.5	930.5	930.0	924.9
25°	905.6	905.6	906.6	910.2	913.2	917.3	918.3	919.3	918.3	918.3	913.7
27.5°	892.4	891.3	893.4	896.9	900.5	903.6	906.1	906.6	905.1	905.1	906.6
30°	876.1	875.6	878.1	881.7	884.7	887.8	890.3	892.4	890.3	890.3	888.8
32.5°	859.3	859.3	860.3	838.9	777.9	700.6	702.1	657.3	626.3	587.1	639.0
35°	536.2	390.2	335.3	283.9	247.8	224.4	223.9	216.2	212.7	210.1	209.6
37.5°	202.5	203.5	205.5	206.6	208.1	209.1	209.6	209.6	209.6	209.6	209.1
40°	202.0	204.0	205.5	207.1	208.6	209.6	209.6	210.1	210.6	210.6	210.6
42.5°	202.5	204.5	206.6	208.1	209.1	209.6	210.1	210.6	210.6	210.6	210.6
45°	202.0	203.0	203.0	203.5	203.5	203.5	204.0	204.0	203.5	203.0	204.0
47.5°	194.3	194.3	192.8	192.3	191.8	190.8	191.3	190.8	190.3	189.8	190.8
50°	181.1	179.1	178.1	177.0	176.5	175.5	176.0	175.5	175.0	174.0	175.5
52.5°	165.3	164.8	162.8	161.8	161.3	161.8	160.8	160.3	159.7	159.2	159.7
55°	150.1	148.0	147.5	146.5	146.0	146.5	146.0	145.5	145.0	144.5	145.0
57.5°	136.3	134.8	134.3	133.3	133.3	133.3	133.3	132.8	132.3	131.8	132.3
60°	123.1	122.1	121.6	121.6	121.1	121.1	121.1	120.6	120.1	120.1	120.6
62.5°	111.9	111.9	110.4	109.9	109.9	110.4	109.9	109.4	108.9	108.4	109.4
65°	100.2	98.2	97.7	96.7	95.6	96.2	95.6	95.1	94.6	94.1	95.1
67.5°	86.0	85.5	83.4	82.4	81.9	82.4	81.9	81.4	80.9	80.4	81.4
70°	72.2	72.2	70.2	69.7	69.2	69.2	68.7	68.7	68.2	67.7	68.7
72.5°	60.0	60.0	59.5	58.5	58.0	57.5	57.0	56.5	56.5	57.0	57.0
75°	49.9	48.8	46.8	47.3	46.8	46.3	46.3	45.8	45.3	46.3	45.8
77.5°	39.2	38.7	37.1	37.6	37.1	36.6	36.6	36.1	35.6	36.1	36.1
80°	29.5	29.5	29.0	28.5	28.5	28.0	27.5	27.5	27.0	27.5	27.5
82.5°	21.4	21.4	20.9	20.4	19.8	19.8	19.3	19.3	19.3	19.3	19.3
85°	13.7	13.2	13.2	12.2	12.2	12.2	11.7	11.7	11.7	11.7	11.7
87.5°	6.6	6.6	6.1	6.1	5.6	5.1	5.1	4.6	4.6	5.1	5.1
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: P1213380

CATALOG NUMBER: 4SNLED-LD5-25SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1148.8	1155.4	1149.8	1152.3	1152.8	1161.5	1161.0	1163.0	1159.5	1155.4	1149.8
5°	1207.3	1204.2	1200.2	1209.8	1204.7	1210.8	1212.9	1216.9	1216.9	1216.4	1211.9
7.5°	1132.5	1125.9	1131.0	1134.5	1136.1	1132.0	1140.1	1149.3	1156.9	1161.5	1162.0
10°	1074.0	1076.0	1075.5	1077.0	1080.6	1080.1	1085.2	1090.3	1092.3	1095.4	1096.4
12.5°	1046.5	1046.0	1047.0	1050.6	1052.6	1052.1	1057.2	1060.3	1061.3	1061.8	1061.3
15°	1024.6	1021.1	1023.6	1024.1	1025.7	1025.7	1031.8	1036.3	1038.4	1039.4	1038.4
17.5°	983.4	974.8	982.9	982.9	988.5	987.5	997.2	1004.8	1008.9	1011.9	1011.9
20°	942.7	938.7	941.7	940.7	944.8	944.3	950.4	955.4	959.0	961.6	964.6
22.5°	926.4	927.5	922.9	923.4	923.4	922.9	925.9	928.5	929.5	931.0	930.0
25°	915.8	916.8	915.3	912.7	911.7	912.7	914.2	917.3	917.8	916.8	913.2
27.5°	905.1	902.0	904.6	900.0	899.0	901.0	903.0	903.6	904.1	904.1	901.0
30°	888.8	886.3	888.8	886.8	884.7	886.8	888.3	888.3	889.3	889.8	886.3
32.5°	621.2	626.3	708.7	758.6	828.8	864.4	871.0	871.0	872.0	872.0	869.0
35°	211.6	212.2	229.4	248.8	290.0	340.9	407.5	442.1	559.1	699.0	834.4
37.5°	209.1	208.6	208.1	207.6	207.1	206.6	205.5	205.0	208.1	246.7	334.8
40°	210.1	209.6	208.6	208.1	207.6	206.6	206.0	205.0	204.0	203.0	202.0
42.5°	210.1	209.6	209.1	208.6	208.1	207.6	206.6	205.5	204.5	203.0	201.5
45°	203.0	203.0	203.5	203.5	204.0	204.0	204.0	203.5	203.5	203.0	201.0
47.5°	189.8	189.8	191.3	191.3	192.3	193.3	193.3	194.3	195.9	196.9	197.4
50°	174.5	174.5	176.0	176.5	177.6	179.1	180.6	181.1	182.6	184.7	186.7
52.5°	159.2	159.2	160.8	160.8	161.8	163.3	164.8	165.3	167.4	169.4	172.0
55°	145.0	145.0	146.0	146.5	147.0	148.0	149.6	149.6	151.6	153.1	155.7
57.5°	132.3	133.3	133.3	133.3	133.8	134.8	135.8	135.8	137.4	138.9	140.9
60°	120.1	121.1	121.1	121.1	121.6	122.1	123.1	123.1	124.1	125.2	127.2
62.5°	108.9	109.9	109.9	110.4	110.4	110.9	111.9	111.4	112.4	112.9	114.5
65°	94.6	95.6	96.2	96.7	97.2	98.2	99.7	99.2	100.7	101.8	103.3
67.5°	80.9	81.9	81.9	82.4	82.9	83.9	85.0	85.0	86.5	87.5	89.5
70°	68.2	69.2	69.2	69.7	70.2	71.2	72.2	71.7	73.3	74.3	75.8
72.5°	56.5	57.5	57.5	58.0	58.0	59.0	60.0	61.1	61.1	62.1	63.1
75°	45.8	46.3	46.8	46.8	47.3	47.8	48.8	49.9	50.4	50.9	51.9
77.5°	36.1	36.6	37.1	37.1	37.6	38.2	38.7	40.7	41.7	42.2	42.2
80°	27.5	28.0	28.0	28.0	28.5	29.0	30.0	30.0	32.1	32.1	32.6
82.5°	19.3	19.8	19.8	19.8	20.4	21.4	21.9	22.4	23.4	23.9	23.9
85°	11.7	12.2	12.2	12.2	12.7	13.2	14.2	14.8	15.3	15.3	15.8
87.5°	4.6	5.1	5.6	5.6	6.1	6.6	7.1	7.6	8.1	8.1	8.6
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°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1143.7	1147.2	1143.7	1145.7	1148.3	1143.7	1133.0	1128.9	1127.4	1121.3	1117.2
5°	1207.3	1207.3	1205.8	1209.8	1209.3	1202.2	1191.0	1185.9	1180.8	1174.2	1169.1
7.5°	1162.0	1166.1	1168.6	1184.4	1194.6	1195.6	1202.7	1204.2	1206.3	1204.2	1201.2
10°	1096.9	1095.4	1102.5	1117.2	1125.9	1130.5	1144.2	1150.8	1156.4	1167.6	1179.3
12.5°	1060.3	1062.3	1065.3	1076.0	1084.2	1082.1	1087.7	1092.3	1098.9	1110.1	1126.9
15°	1035.8	1037.9	1040.9	1049.1	1054.1	1051.6	1054.7	1057.7	1062.3	1067.9	1078.1
17.5°	1009.4	1012.9	1016.5	1025.1	1029.7	1029.2	1031.8	1032.8	1034.3	1037.9	1045.0
20°	968.2	979.4	986.5	998.2	1004.8	1003.8	1008.4	1009.9	1011.9	1015.5	1018.5
22.5°	930.5	933.6	937.1	949.9	961.0	974.8	977.8	981.9	987.0	990.6	993.6
25°	909.1	907.1	908.6	917.3	923.4	924.4	929.0	942.2	956.0	962.1	969.2
27.5°	896.4	894.4	893.9	898.0	899.0	896.4	895.4	899.5	909.7	919.8	941.2
30°	882.7	880.2	878.1	881.7	883.2	879.6	873.0	869.5	875.6	878.1	886.8
32.5°	866.4	863.9	862.9	864.9	865.9	862.9	855.7	851.7	850.6	848.6	850.6
35°	848.1	845.6	844.0	844.5	846.6	844.0	837.9	832.8	830.3	824.7	820.6
37.5°	437.0	619.2	803.8	823.2	825.2	824.7	818.6	813.0	810.5	803.8	801.8
40°	199.9	223.3	335.3	438.0	631.9	802.8	797.2	791.6	787.0	785.0	777.4
42.5°	199.4	199.9	200.5	197.9	245.2	417.7	616.6	769.8	766.7	761.6	756.0
45°	199.4	196.9	198.9	195.9	196.9	196.4	244.7	394.8	702.6	734.1	731.6
47.5°	197.4	195.9	197.9	195.4	192.3	193.8	191.8	194.3	303.2	514.4	704.6
50°	188.2	189.3	192.8	192.3	189.8	191.8	188.2	191.3	188.7	207.1	398.9
52.5°	174.5	176.5	180.1	183.2	184.2	186.7	185.7	186.7	184.7	185.2	185.7
55°	158.2	160.8	163.8	168.4	170.4	174.5	177.6	179.1	181.6	181.1	177.0
57.5°	143.0	145.5	148.0	152.6	157.2	159.2	164.8	167.9	174.5	173.0	172.0
60°	128.7	130.8	133.3	134.3	139.9	143.5	148.6	151.6	160.3	162.3	165.3
62.5°	116.0	117.0	119.0	120.6	124.1	127.7	130.2	135.3	139.9	146.5	151.1
65°	104.3	105.3	106.8	107.9	108.4	113.5	115.0	120.6	122.1	129.2	133.3
67.5°	91.1	93.1	95.1	96.2	97.2	100.2	101.2	103.8	107.3	110.4	115.5
70°	77.3	78.9	80.9	82.4	84.5	86.5	89.5	91.1	93.6	95.6	99.7
72.5°	64.6	66.1	67.2	68.7	70.2	71.7	74.3	77.8	79.9	83.4	84.5
75°	52.4	53.9	54.9	56.0	57.5	58.5	59.5	63.1	65.1	68.2	71.2
77.5°	43.2	43.2	44.3	47.3	46.8	46.8	47.8	49.9	51.4	53.4	56.5
80°	33.6	34.1	34.6	37.1	37.6	38.2	37.6	39.2	40.7	41.2	43.2
82.5°	24.9	25.4	25.4	27.0	28.5	28.5	28.5	29.0	30.5	31.0	32.1
85°	16.8	17.3	17.8	18.3	19.3	19.8	20.4	20.4	21.4	21.9	22.4
87.5°	9.2	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.8
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°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1115.7	1113.2	1111.6	1107.6	1106.5	1099.9	1101.0	1099.9	1099.9	1101.5	1106.5
5°	1163.5	1151.3	1148.3	1139.6	1132.5	1120.3	1112.7	1108.6	1102.5	1099.9	1103.5
7.5°	1196.1	1186.9	1179.3	1171.7	1161.5	1147.2	1136.6	1124.4	1114.2	1104.5	1102.0
10°	1190.5	1200.7	1200.7	1196.1	1186.4	1172.2	1159.5	1144.2	1126.4	1111.1	1102.0
12.5°	1143.2	1161.0	1175.2	1185.9	1195.6	1185.9	1173.2	1161.0	1141.1	1118.8	1102.0
15°	1091.3	1109.6	1127.4	1149.8	1173.2	1182.9	1182.4	1168.1	1150.3	1126.9	1103.5
17.5°	1054.7	1067.4	1077.0	1101.5	1130.0	1154.9	1171.7	1172.7	1155.4	1134.5	1104.0
20°	1027.2	1036.3	1044.5	1058.2	1083.1	1113.7	1144.7	1162.0	1158.9	1136.1	1105.5
22.5°	1002.3	1008.9	1015.5	1025.7	1045.5	1065.3	1101.5	1137.1	1152.3	1133.5	1104.0
25°	977.3	984.4	989.5	996.7	1012.4	1028.7	1054.1	1098.4	1132.5	1131.5	1101.0
27.5°	947.8	957.5	963.6	973.3	983.9	996.1	1013.4	1055.2	1104.0	1121.3	1092.8
30°	912.2	926.4	935.6	946.3	955.4	966.1	979.9	1005.3	1065.8	1101.5	1084.2
32.5°	860.8	886.3	906.6	916.8	927.0	936.1	948.3	969.7	1019.0	1074.5	1074.5
35°	824.2	835.9	854.2	883.7	896.4	905.6	916.8	933.6	965.1	1042.4	1058.7
37.5°	795.7	800.3	809.4	838.4	862.3	877.1	888.3	899.0	930.0	998.7	1038.4
40°	774.3	772.8	771.8	785.5	819.6	843.0	855.7	866.4	890.3	946.3	1011.4
42.5°	749.4	747.9	742.8	746.3	763.1	802.3	821.6	833.3	853.2	891.3	981.9
45°	723.5	720.9	718.9	715.3	721.4	743.3	783.0	800.3	811.5	845.6	944.8
47.5°	697.0	693.4	690.9	687.8	684.3	694.5	732.1	763.1	782.5	803.8	900.0
50°	659.3	663.9	660.9	657.3	654.3	652.2	668.0	718.9	742.8	760.1	845.6
52.5°	310.9	604.4	629.8	626.3	622.2	618.6	622.2	660.9	704.1	717.9	779.9
55°	177.0	269.1	560.1	592.2	588.6	583.5	580.5	593.7	658.3	676.6	719.9
57.5°	170.4	170.9	247.3	533.7	553.5	548.9	545.4	548.4	603.4	634.4	667.5
60°	164.8	164.8	164.8	236.1	510.3	511.8	507.2	502.1	526.1	587.1	614.6
62.5°	152.6	155.7	157.2	157.2	233.0	472.6	468.1	466.5	467.5	530.1	561.7
65°	136.9	144.0	147.0	149.1	149.1	244.7	427.9	425.3	421.8	445.7	508.2
67.5°	119.6	126.7	133.3	137.4	137.9	142.5	255.4	383.1	378.0	378.5	451.3
70°	101.8	107.9	115.0	121.1	126.7	129.2	133.3	318.0	334.8	327.6	386.7
72.5°	88.0	90.6	95.6	101.8	108.4	114.5	118.0	126.7	290.5	282.9	294.1
75°	73.3	75.3	78.9	82.9	88.0	95.1	101.2	107.3	154.2	237.1	235.6
77.5°	57.0	60.5	64.6	67.2	69.7	74.8	82.9	89.0	95.1	160.3	188.7
80°	43.8	46.3	48.3	50.9	53.9	57.5	60.5	67.7	74.8	80.4	144.5
82.5°	32.6	34.1	35.6	36.6	37.6	39.7	45.3	47.8	52.4	57.5	68.2
85°	22.9	23.9	24.9	25.4	25.9	26.5	28.5	29.0	33.6	34.6	41.2
87.5°	14.8	15.3	16.3	16.8	16.8	17.3	17.8	17.8	17.8	16.8	20.4
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):

	357.5°	360°
0°	1110.1	1110.1
2.5°	1110.6	1118.8
5°	1109.1	1119.8
7.5°	1105.0	1115.2
10°	1098.9	1111.1
12.5°	1092.3	1104.0
15°	1086.7	1095.4
17.5°	1080.6	1085.7
20°	1072.5	1076.5
22.5°	1064.3	1062.3
25°	1055.2	1050.6
27.5°	1043.5	1034.8
30°	1032.8	1017.5
32.5°	1022.6	997.7
35°	1008.9	977.3
37.5°	994.6	956.5
40°	977.8	932.6
42.5°	960.0	908.6
45°	937.6	885.7
47.5°	917.8	858.3
50°	890.3	828.8
52.5°	856.7	801.3
55°	817.1	767.7
57.5°	774.3	732.6
60°	728.5	692.4
62.5°	673.1	650.7
65°	608.0	602.9
67.5°	523.0	550.0
70°	428.9	489.4
72.5°	358.7	425.3
75°	294.1	353.6
77.5°	233.0	277.3
80°	145.5	203.0
82.5°	97.7	133.3
85°	59.0	63.6
87.5°	22.9	23.4
90°	0.0	0.0

(END OF REPORT)