

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: P1214027

Luminaire Tested: 2SNLED-LD5-21SL-RW-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214027
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-LD5-21SL-RW-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

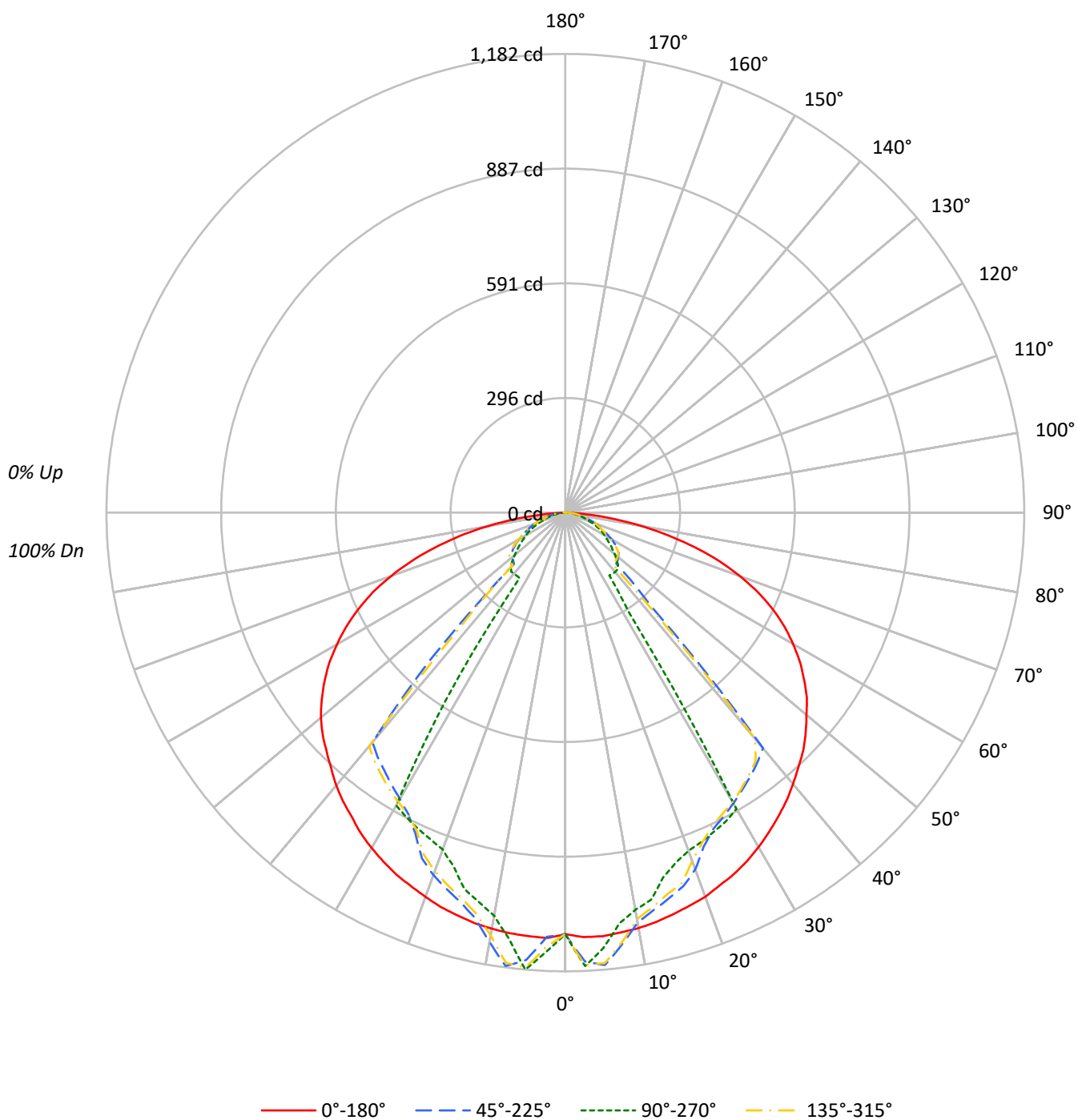
Lumens per Lamp: N/A
Luminaire Lumens: 2175.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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			0
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°	17554	17554	17554	17554
5°	17678	17687	17670	18562
10°	17646	15991	17671	16236
15°	17637	14794	17678	15264
20°	17713	14032	17713	13980
25°	17811	13763	17837	13636
30°	17931	13522	17976	13361
35°	18075	3079	18113	3212
40°	18291	3202	18401	3307
45°	18642	3184	18707	3300
50°	18976	2880	19231	2957
55°	19430	2557	19585	2594
60°	19760	2272	19804	2302
65°	19893	1983	19842	1951
70°	19314	1598	19253	1540
75°	17520	1230	17641	1178
80°	13647	875	14197	800
85°	6728	522	7107	400

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 57.5°

Luminance: 20333 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	4.9
10°-20°	293.8	13.5
20°-30°	435.2	20.0
30°-40°	438.5	20.2
40°-50°	342.5	15.7
50°-60°	264.6	12.2
60°-70°	177.6	8.2
70°-80°	90.6	4.2
80°-90°	25.2	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°	835.9	38.4
0°-40°	1274.4	58.6
0°-60°	1881.5	86.5
0°-90°	2175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2175.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1086	1086	1086	1086	1086	
5°	1096	1126	1095	1182	1096	104
15°	1072	973	1074	1004	1072	303
25°	1028	907	1029	898	1028	474
35°	956	197	958	206	956	599
45°	867	192	870	199	867	668
55°	751	139	757	141	751	671
65°	590	94	588	92	590	580
75°	346	47	348	45	346	362
85°	62	15	66	11	62	86
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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1094.6	1098.6	1101.6	1103.6	1104.6	1104.6	1105.1	1105.6	1112.0	1115.0	1117.0
5°	1095.6	1099.6	1105.6	1113.5	1120.5	1126.5	1131.4	1138.4	1145.4	1152.8	1155.3
7.5°	1091.1	1096.1	1108.0	1122.5	1135.9	1145.4	1151.8	1156.3	1159.8	1160.3	1162.8
10°	1087.1	1096.1	1112.5	1131.4	1148.4	1159.8	1159.8	1157.3	1160.8	1147.4	1133.9
12.5°	1080.2	1090.1	1112.5	1137.4	1153.3	1157.8	1155.8	1145.9	1125.5	1109.0	1101.6
15°	1071.7	1085.1	1113.0	1140.9	1154.3	1155.8	1136.9	1111.5	1096.1	1086.1	1073.7
17.5°	1062.2	1080.2	1113.5	1141.4	1146.4	1139.4	1103.6	1087.6	1071.7	1048.3	1031.4
20°	1053.3	1070.7	1109.5	1134.4	1137.4	1106.0	1078.2	1061.3	1034.4	1014.0	1006.5
22.5°	1039.3	1059.8	1106.0	1125.0	1113.5	1077.2	1050.3	1023.4	999.0	993.1	984.1
25°	1027.9	1049.3	1098.1	1113.5	1083.2	1050.8	1019.4	988.1	976.6	968.2	960.2
27.5°	1012.5	1038.9	1087.6	1092.6	1050.8	1022.4	976.6	962.7	952.2	942.8	939.3
30°	995.5	1027.9	1073.2	1063.7	1023.9	982.1	948.3	935.3	927.8	917.9	913.9
32.5°	976.1	1011.5	1057.3	1030.4	995.0	942.8	920.9	910.9	901.0	893.5	868.6
35°	956.2	997.0	1038.4	998.5	960.2	912.9	893.5	884.5	875.1	847.7	821.8
37.5°	935.8	981.1	1015.5	964.2	913.9	882.1	865.6	855.7	834.3	799.4	786.5
40°	912.4	961.7	986.1	928.8	873.6	850.7	835.3	825.3	777.0	761.6	757.6
42.5°	889.0	942.8	950.2	894.5	840.2	817.3	804.4	771.5	738.7	730.7	732.2
45°	866.6	922.4	910.9	845.7	805.4	786.5	764.6	719.3	701.9	705.8	706.8
47.5°	839.7	898.0	869.6	796.9	769.6	750.6	701.9	674.5	672.0	677.5	680.5
50°	810.9	870.6	825.8	752.6	730.7	708.3	653.1	639.1	642.1	647.6	651.1
52.5°	784.0	839.7	780.5	711.3	692.4	641.1	603.8	606.3	611.3	617.7	619.7
55°	751.1	802.4	732.2	669.5	651.6	584.4	567.5	573.4	578.4	583.9	587.9
57.5°	716.8	759.6	675.0	622.7	593.8	534.1	535.6	539.6	543.1	549.5	227.0
60°	677.5	710.8	612.3	579.4	522.2	494.3	495.8	502.7	506.2	282.7	156.3
62.5°	636.7	654.1	555.5	530.1	456.5	454.5	461.4	464.4	316.1	149.3	146.3
65°	589.9	586.4	499.8	459.4	411.7	413.6	421.1	406.2	139.9	139.9	138.9
67.5°	538.1	517.2	445.5	380.3	368.4	372.8	380.8	132.9	129.4	130.4	126.9
70°	478.9	449.5	389.3	322.1	326.0	330.5	128.4	120.5	119.0	116.5	109.5
72.5°	416.1	375.8	318.6	279.7	282.2	177.2	112.5	108.5	103.5	98.6	91.1
75°	346.0	293.7	234.0	234.0	237.4	101.0	98.1	91.6	86.1	79.6	75.2
77.5°	271.3	226.0	181.7	188.7	92.1	84.6	79.1	72.2	67.7	63.7	61.2
80°	198.6	157.8	136.9	122.5	71.7	64.2	58.7	54.8	52.8	50.3	47.3
82.5°	130.4	95.1	95.1	57.7	50.3	44.3	42.8	39.8	37.8	36.3	34.8
85°	62.2	55.3	41.8	35.3	31.4	28.4	27.4	25.9	25.9	25.4	24.9
87.5°	22.9	24.9	18.4	17.9	16.9	16.4	16.9	16.9	17.4	16.9	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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1122.0	1126.0	1128.9	1133.9	1140.4	1145.9	1150.8	1157.8	1168.8	1171.8	1174.2
5°	1155.3	1156.8	1160.3	1164.3	1165.3	1167.8	1167.3	1170.3	1171.8	1175.2	1167.8
7.5°	1157.3	1149.4	1139.9	1131.4	1125.5	1120.0	1116.5	1122.0	1125.0	1127.5	1120.0
10°	1115.5	1106.0	1100.6	1095.6	1089.6	1081.2	1069.7	1072.2	1071.2	1071.2	1068.7
12.5°	1089.1	1075.7	1061.7	1049.3	1043.8	1043.3	1043.8	1049.3	1049.3	1048.8	1045.8
15°	1047.8	1034.9	1027.9	1024.9	1024.9	1023.4	1023.4	1029.4	1027.9	1027.9	1026.4
17.5°	1020.4	1011.5	1006.5	1003.0	1001.5	1004.0	1007.0	1009.5	1010.0	1008.0	1000.0
20°	998.0	989.6	983.6	984.6	984.1	985.6	987.1	978.6	968.2	954.2	947.8
22.5°	974.6	968.2	963.7	963.7	957.7	948.3	934.3	931.3	929.8	923.4	917.9
25°	952.2	944.8	938.3	918.4	905.9	907.4	904.9	900.0	899.5	899.0	901.0
27.5°	929.8	910.4	885.5	882.6	877.6	877.1	880.1	882.6	882.6	884.5	887.0
30°	883.5	861.1	856.7	851.2	853.2	860.2	861.6	865.1	866.1	869.6	871.6
32.5°	841.2	831.3	827.3	829.8	836.3	842.2	845.7	847.2	849.7	852.7	855.2
35°	806.9	803.9	807.4	812.9	819.3	824.3	827.3	830.3	832.8	835.3	837.3
37.5°	781.5	783.5	788.5	795.4	801.9	805.9	808.4	811.9	815.4	818.3	806.4
40°	757.6	762.6	768.1	775.5	781.0	785.0	787.5	792.0	762.1	345.0	189.2
42.5°	736.7	742.2	746.2	752.1	758.1	761.1	739.2	330.0	186.7	185.7	188.2
45°	711.3	715.8	722.3	726.7	732.2	480.8	183.7	185.7	182.7	184.7	185.7
47.5°	685.4	692.4	695.9	664.0	197.6	182.7	180.7	182.7	180.7	183.2	181.7
50°	656.1	664.5	472.9	178.7	177.2	176.2	178.2	177.2	178.7	180.7	176.7
52.5°	626.2	387.8	173.2	172.2	173.2	172.2	175.7	173.2	173.7	171.7	166.8
55°	212.1	167.7	166.3	165.8	168.7	168.7	168.7	164.8	162.3	157.3	153.8
57.5°	162.3	162.3	161.8	162.3	161.3	160.3	155.8	152.3	148.8	141.9	139.9
60°	153.8	153.8	153.8	153.8	149.3	147.3	140.4	137.4	131.4	127.9	125.9
62.5°	146.8	145.8	141.4	139.9	134.9	129.4	125.4	122.5	116.5	114.5	113.0
65°	136.9	133.4	127.9	122.0	119.5	113.5	111.5	107.0	104.0	102.5	101.5
67.5°	120.5	115.5	111.0	107.0	102.5	100.5	98.1	94.6	92.6	91.6	90.6
70°	103.0	99.6	95.1	92.6	89.6	88.1	84.6	83.6	82.1	80.6	79.1
72.5°	86.1	84.1	82.1	78.6	77.7	76.7	73.2	71.2	69.2	67.2	66.2
75°	72.2	70.7	69.7	66.7	65.2	62.2	59.7	58.2	56.7	55.3	54.3
77.5°	59.2	58.2	55.3	53.3	52.3	49.8	48.8	49.3	48.3	46.3	45.3
80°	46.3	45.3	42.8	42.8	41.8	40.8	39.8	38.8	37.8	36.3	35.3
82.5°	35.3	34.3	33.4	32.4	31.4	30.9	30.4	29.4	28.4	27.4	26.9
85°	24.9	24.4	23.9	23.4	22.9	22.4	21.9	20.9	19.9	19.4	18.9
87.5°	16.9	16.4	15.9	15.4	14.9	14.4	13.9	13.4	12.4	11.9	11.4
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1174.2	1176.7	1174.2	1168.8	1165.3	1163.8	1166.8	1166.8	1168.8	1171.3	1171.8
5°	1155.8	1149.9	1142.9	1135.9	1132.4	1130.4	1125.0	1126.0	1127.5	1128.4	1129.4
7.5°	1110.0	1102.1	1092.6	1083.7	1080.2	1077.2	1070.7	1070.7	1070.7	1071.2	1074.2
10°	1063.2	1059.8	1055.8	1049.8	1045.3	1043.8	1038.4	1039.8	1038.9	1040.3	1043.8
12.5°	1041.3	1037.4	1033.9	1027.9	1022.9	1020.9	1018.4	1019.9	1019.4	1021.9	1024.9
15°	1021.4	1019.4	1015.5	1011.0	1006.5	1002.5	993.6	990.6	988.6	986.1	989.6
17.5°	988.6	974.6	965.2	958.2	953.2	949.7	947.3	947.3	948.8	950.2	953.2
20°	943.8	939.8	935.3	927.8	922.9	920.9	919.4	919.4	921.9	923.9	929.3
22.5°	912.9	912.4	910.9	907.4	904.9	904.9	905.4	906.4	909.9	912.9	918.4
25°	898.5	900.5	899.5	897.5	896.0	896.5	895.5	896.5	900.0	903.0	907.4
27.5°	887.0	890.0	889.0	886.0	883.5	884.5	886.0	885.0	888.0	891.5	895.0
30°	871.6	872.1	874.1	870.6	869.6	871.1	871.6	872.6	875.6	878.1	881.1
32.5°	854.2	858.2	857.7	854.2	854.2	855.7	856.2	822.8	760.6	655.1	626.2
35°	837.3	841.7	834.3	703.4	486.8	259.8	200.6	193.6	195.1	196.1	197.1
37.5°	619.2	293.7	187.2	188.7	190.1	191.6	193.1	194.6	196.1	197.6	198.1
40°	186.2	185.7	187.2	189.2	190.6	191.6	193.6	195.1	196.6	198.1	198.6
42.5°	184.2	185.2	186.7	188.7	190.6	192.6	194.1	196.1	197.1	198.1	198.6
45°	183.2	185.2	187.2	188.7	190.1	191.1	192.1	192.6	192.1	192.1	193.1
47.5°	181.7	183.7	184.2	183.7	184.2	183.7	183.7	183.7	182.2	181.7	181.7
50°	176.2	176.2	175.2	173.2	172.7	172.2	171.2	170.7	168.7	168.2	168.2
52.5°	164.8	164.3	162.8	160.3	159.3	158.3	157.8	157.3	155.3	154.3	154.8
55°	151.3	150.3	148.8	145.8	145.3	144.4	143.9	143.4	141.4	142.4	140.9
57.5°	138.9	136.9	134.9	134.4	132.4	131.9	131.4	130.9	129.4	129.9	128.9
60°	123.9	123.4	122.5	120.5	120.5	120.0	120.0	119.0	118.0	117.5	117.5
62.5°	113.0	111.5	110.5	110.5	109.0	109.0	109.0	108.0	107.0	107.5	107.0
65°	101.0	100.5	100.1	99.1	99.1	98.6	98.6	97.6	96.1	96.6	95.6
67.5°	91.1	90.1	89.1	88.6	86.6	85.6	85.1	84.6	82.6	83.1	82.1
70°	78.6	77.2	76.2	75.2	73.7	72.7	72.7	71.7	70.2	70.7	69.7
72.5°	65.7	64.7	63.7	63.2	61.7	61.2	60.7	60.2	58.7	59.2	58.7
75°	54.8	54.8	54.3	53.8	52.3	50.8	49.8	49.3	48.3	48.8	47.8
77.5°	45.3	44.3	43.3	43.3	41.8	40.8	39.8	39.8	39.8	39.3	38.8
80°	35.3	34.3	34.3	33.8	32.9	31.9	31.4	31.4	30.9	30.9	30.4
82.5°	26.9	25.9	25.4	25.4	24.4	23.9	23.4	22.9	22.9	22.9	22.4
85°	18.9	17.9	17.4	17.4	16.4	15.9	15.9	15.4	15.4	14.9	14.9
87.5°	11.4	11.0	10.5	10.5	9.5	9.0	9.0	9.0	8.5	8.5	8.0
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1171.8	1171.8	1168.3	1169.3	1167.8	1169.8	1167.3	1167.3	1170.3	1170.3	1172.3
5°	1129.9	1127.5	1127.0	1126.0	1121.0	1123.0	1120.5	1118.0	1121.5	1121.5	1126.0
7.5°	1072.7	1068.2	1070.2	1067.2	1064.2	1059.8	1061.3	1059.3	1061.7	1065.2	1069.7
10°	1043.3	1039.3	1041.8	1038.9	1040.3	1033.9	1034.4	1034.9	1037.4	1038.4	1042.3
12.5°	1024.4	1023.4	1022.4	1021.4	1022.4	1018.9	1016.9	1017.4	1018.4	1018.9	1021.9
15°	984.6	978.1	980.1	973.1	973.6	974.1	970.2	974.1	973.6	980.1	986.1
17.5°	952.2	952.2	948.8	945.8	943.8	943.3	940.3	942.3	940.3	944.3	945.8
20°	929.8	929.3	928.8	927.3	922.4	922.9	924.4	919.9	919.4	918.9	921.9
22.5°	919.4	919.9	917.9	917.9	913.4	914.4	914.9	909.9	910.4	908.9	910.4
25°	908.4	909.4	906.9	906.9	905.9	905.4	903.0	904.0	901.0	898.5	901.0
27.5°	895.5	897.5	895.5	896.5	894.5	893.5	892.0	891.0	888.0	887.5	889.0
30°	883.5	884.5	884.0	881.6	881.1	878.1	879.6	876.6	873.6	874.1	875.1
32.5°	453.0	432.6	333.5	301.2	298.2	309.1	366.4	446.0	577.9	705.8	797.9
35°	197.6	197.6	197.6	197.1	197.1	196.6	196.1	195.6	195.1	194.6	194.1
37.5°	198.6	198.6	198.6	198.6	198.1	197.6	197.6	196.6	196.1	195.6	195.1
40°	199.1	199.6	199.6	199.6	199.1	199.1	198.6	197.6	197.1	196.1	195.1
42.5°	198.6	199.1	199.1	198.6	198.6	198.1	198.1	197.6	197.1	196.6	196.1
45°	192.1	192.6	191.6	191.6	191.1	191.1	191.1	191.1	191.1	191.6	191.6
47.5°	180.7	180.7	180.2	179.7	179.7	179.2	179.7	179.2	180.2	180.7	181.7
50°	167.3	167.3	166.3	165.8	165.8	165.8	165.8	166.3	166.8	167.7	168.7
52.5°	153.3	153.3	152.8	152.3	151.8	151.8	153.3	152.8	153.3	153.8	155.3
55°	139.9	140.4	139.4	139.4	138.9	138.9	138.9	139.4	139.9	140.4	141.9
57.5°	128.4	128.4	127.4	127.4	127.4	126.9	128.4	127.4	127.9	128.4	129.4
60°	117.0	116.5	116.5	116.0	116.0	116.0	117.0	116.5	116.5	117.0	118.0
62.5°	106.5	106.5	106.0	106.0	105.5	105.5	106.5	106.0	106.0	106.5	107.0
65°	94.6	94.6	94.1	93.6	95.1	93.6	95.1	94.1	95.1	95.6	96.6
67.5°	81.1	81.1	81.1	80.6	80.6	81.6	82.1	81.1	81.6	82.6	83.1
70°	69.2	69.2	68.7	68.7	68.7	69.7	70.2	69.2	69.7	70.2	71.2
72.5°	58.7	57.7	57.7	57.2	58.2	58.2	58.7	58.2	58.7	58.7	59.7
75°	48.3	47.3	47.3	47.3	48.3	47.8	48.3	47.8	48.3	48.3	48.8
77.5°	38.8	38.3	37.8	37.8	38.8	38.8	38.8	38.3	38.8	39.3	39.8
80°	30.4	29.9	29.4	29.4	30.4	30.4	30.4	30.9	30.4	30.9	31.4
82.5°	22.4	21.9	21.4	22.4	22.4	22.4	22.4	22.9	22.4	22.9	23.4
85°	14.9	14.4	13.9	14.9	14.9	14.9	14.9	15.4	14.9	15.4	15.9
87.5°	8.0	7.5	7.5	8.0	8.0	8.0	8.5	8.5	8.5	9.0	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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1175.2	1176.7	1176.2	1173.2	1170.3	1166.8	1164.3	1164.8	1169.8	1171.3	1166.8
5°	1126.0	1135.4	1135.4	1141.9	1138.4	1135.4	1137.4	1148.4	1153.8	1162.3	1165.3
7.5°	1075.2	1079.7	1079.2	1085.6	1084.6	1084.6	1086.1	1100.6	1107.5	1114.5	1116.5
10°	1046.8	1051.3	1050.8	1051.3	1049.8	1046.3	1046.3	1052.8	1058.8	1062.2	1063.2
12.5°	1026.4	1028.9	1028.4	1028.4	1027.4	1024.4	1023.9	1029.4	1035.9	1040.3	1040.8
15°	996.0	1003.0	1004.5	1011.0	1009.5	1005.5	1006.5	1011.0	1015.0	1018.9	1017.4
17.5°	950.7	954.2	954.7	957.2	956.2	956.2	962.2	978.6	989.6	999.0	1000.0
20°	924.9	927.3	926.4	931.8	929.3	928.8	930.3	937.3	942.3	946.8	954.7
22.5°	912.4	914.4	912.9	913.4	908.9	904.9	904.0	909.4	914.9	920.9	920.9
25°	902.0	903.5	903.0	902.0	898.5	893.0	892.0	893.0	895.0	895.5	892.0
27.5°	889.5	890.5	890.5	891.0	886.5	881.6	880.6	879.6	881.6	881.1	875.6
30°	876.6	875.1	875.6	876.1	872.1	867.6	865.6	865.1	867.1	866.6	861.1
32.5°	845.7	857.2	858.2	859.2	855.7	851.7	849.7	848.2	849.2	848.7	843.7
35°	193.6	197.1	241.4	546.6	742.2	821.8	830.3	828.3	828.8	828.8	824.8
37.5°	194.1	193.6	193.1	191.6	190.1	189.2	327.0	697.4	807.9	808.4	804.9
40°	194.1	193.6	193.1	192.1	190.1	188.7	186.2	184.2	188.7	415.1	759.6
42.5°	195.1	194.1	193.1	192.1	190.1	188.2	186.2	183.7	185.2	184.2	181.7
45°	192.1	191.6	191.6	191.1	190.1	188.2	185.7	182.7	181.2	182.7	180.2
47.5°	182.7	183.2	184.7	185.2	185.2	185.7	184.2	182.2	179.7	181.2	178.2
50°	169.7	170.7	171.2	173.7	174.7	176.7	177.2	177.2	176.7	178.7	176.7
52.5°	155.8	156.8	159.3	160.3	161.3	164.3	165.3	166.8	167.7	170.7	172.7
55°	142.4	142.9	143.9	145.8	147.3	149.8	151.3	152.8	155.3	156.8	162.8
57.5°	129.9	130.4	132.4	132.9	133.9	135.9	137.4	139.4	141.4	142.4	149.3
60°	118.0	118.5	120.0	120.5	121.0	122.9	124.4	125.9	127.4	128.4	133.4
62.5°	107.5	107.5	109.0	109.0	109.5	111.0	112.0	113.0	114.5	115.0	117.5
65°	97.1	97.6	98.6	98.6	99.1	100.1	100.5	101.0	102.5	102.5	104.5
67.5°	84.1	84.6	86.1	87.1	87.6	89.6	90.1	90.6	91.6	92.1	93.1
70°	71.7	72.2	73.7	74.2	74.7	76.2	77.2	78.6	80.1	81.6	82.6
72.5°	60.2	60.7	62.2	62.2	63.7	64.2	65.2	65.7	67.2	68.2	69.7
75°	49.3	49.8	51.3	51.3	52.8	53.3	53.8	54.3	55.3	56.2	57.2
77.5°	40.3	40.3	42.3	43.3	44.3	44.3	44.8	44.8	44.8	45.3	46.3
80°	31.9	31.9	33.4	34.3	35.3	35.3	35.8	36.3	36.8	36.8	37.3
82.5°	23.9	23.9	25.4	25.9	26.9	26.9	26.9	27.4	27.9	27.4	28.4
85°	16.4	16.4	17.4	17.9	18.9	18.9	18.9	19.4	19.9	19.4	19.9
87.5°	9.5	10.0	10.5	11.0	11.4	11.9	11.9	11.9	12.4	12.4	12.9
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1161.8	1155.8	1155.3	1148.4	1146.4	1146.9	1141.4	1139.4	1130.4	1128.4	1119.0
5°	1166.3	1169.3	1167.8	1167.3	1168.8	1167.8	1163.8	1161.8	1160.3	1156.3	1148.4
7.5°	1117.0	1119.0	1120.5	1127.0	1132.4	1141.9	1151.8	1158.3	1163.3	1164.3	1157.8
10°	1066.7	1076.2	1082.7	1092.6	1100.6	1106.0	1112.0	1117.5	1131.9	1146.4	1154.8
12.5°	1040.8	1043.3	1042.8	1048.3	1053.8	1068.2	1082.2	1090.1	1101.1	1107.5	1123.0
15°	1018.9	1019.4	1020.9	1024.9	1027.9	1032.9	1039.3	1051.3	1073.2	1083.2	1091.6
17.5°	999.0	999.0	1000.0	1003.5	1007.5	1012.0	1016.0	1020.9	1031.9	1048.3	1069.2
20°	967.2	981.1	982.6	982.1	984.1	992.6	993.6	1002.5	1008.0	1014.5	1034.9
22.5°	919.9	928.3	940.3	958.7	965.7	969.7	972.6	976.6	985.1	992.6	1001.0
25°	894.0	899.5	903.0	908.4	922.9	946.3	950.7	955.2	960.7	966.2	976.6
27.5°	871.1	870.6	873.1	878.1	882.1	894.5	916.4	933.8	934.8	942.8	951.7
30°	854.7	851.7	848.2	847.2	852.7	859.2	865.6	893.0	911.9	915.9	925.4
32.5°	839.2	834.3	829.3	825.3	821.8	827.3	831.3	843.2	867.6	890.5	895.5
35°	820.3	815.4	809.4	804.9	799.4	798.9	798.4	809.9	817.8	845.2	869.1
37.5°	800.9	795.4	790.5	785.5	780.0	776.0	773.5	776.5	784.0	795.9	835.8
40°	780.5	774.0	769.1	765.1	757.6	754.6	749.6	747.7	748.2	758.6	779.5
42.5°	466.4	743.7	746.2	741.7	735.2	731.2	725.8	723.3	718.3	723.3	735.2
45°	179.7	181.7	544.1	718.8	710.8	705.8	700.9	698.4	692.9	688.9	699.9
47.5°	176.2	178.2	174.2	246.9	678.5	680.0	674.0	671.5	666.0	663.0	660.0
50°	173.7	175.2	172.2	173.2	169.7	621.7	646.6	643.6	637.6	634.2	628.2
52.5°	171.2	171.2	169.2	166.8	165.8	166.3	523.2	615.2	608.3	604.8	596.8
55°	163.3	164.3	166.3	162.3	161.3	160.8	159.3	498.3	575.9	571.9	565.0
57.5°	151.3	153.3	158.8	157.8	157.8	153.8	152.8	152.8	462.4	538.6	531.6
60°	137.4	139.4	145.3	147.3	148.8	147.8	146.8	146.3	144.4	487.3	496.3
62.5°	122.9	124.9	126.9	133.4	135.4	137.9	140.9	139.4	137.4	137.4	458.9
65°	107.5	110.5	111.5	117.5	120.0	124.4	126.9	130.4	129.4	128.9	131.4
67.5°	94.1	97.6	98.1	100.5	105.0	107.0	110.0	116.5	119.5	120.5	121.5
70°	82.6	84.6	86.1	87.1	90.1	90.6	96.1	100.5	105.0	110.0	111.5
72.5°	71.2	72.7	75.7	74.7	75.7	77.7	80.6	83.6	88.1	95.1	99.6
75°	58.2	59.2	61.2	62.2	64.2	65.7	67.7	70.2	74.2	77.7	83.6
77.5°	46.8	47.3	48.8	49.3	51.3	52.8	56.2	57.7	60.2	62.7	66.2
80°	37.8	37.8	38.3	38.3	39.8	41.3	43.8	45.3	48.3	50.3	50.3
82.5°	28.9	28.9	30.4	30.4	31.4	31.4	32.9	32.9	34.3	35.3	36.3
85°	20.4	20.9	21.9	21.4	22.4	21.9	22.9	23.9	24.4	23.9	23.4
87.5°	13.4	13.4	14.4	13.9	14.4	14.4	15.4	15.4	15.9	15.9	15.4
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1115.5	1108.0	1103.6	1098.1	1096.6	1095.1	1097.1	1097.1	1094.1	1091.6	1087.1
5°	1141.4	1133.4	1125.0	1116.0	1107.5	1098.6	1095.1	1094.6	1089.1	1086.1	1084.6
7.5°	1154.8	1150.8	1141.4	1128.9	1116.0	1100.1	1093.1	1089.1	1083.7	1082.7	1082.7
10°	1156.3	1151.8	1146.9	1137.9	1123.0	1102.1	1088.6	1080.7	1075.7	1079.2	1085.6
12.5°	1141.9	1150.4	1145.9	1139.9	1128.0	1102.6	1083.2	1071.2	1069.7	1078.7	1095.6
15°	1105.1	1129.9	1142.4	1136.4	1127.0	1101.6	1074.2	1060.3	1060.3	1078.7	1100.6
17.5°	1077.2	1096.6	1127.0	1131.9	1121.0	1099.6	1065.7	1049.3	1053.8	1080.7	1104.1
20°	1054.3	1066.2	1095.6	1123.5	1113.0	1095.1	1053.3	1036.4	1045.3	1077.7	1109.0
22.5°	1018.4	1042.3	1060.3	1101.6	1105.1	1086.6	1040.8	1020.4	1038.4	1077.7	1106.5
25°	983.6	1012.5	1031.4	1071.7	1093.1	1076.2	1029.4	1003.5	1030.9	1076.2	1104.6
27.5°	959.2	972.6	1007.0	1035.9	1075.2	1062.2	1014.0	985.1	1021.4	1068.2	1093.1
30°	933.3	942.3	976.1	1003.5	1051.3	1046.3	998.0	964.7	1009.5	1060.8	1063.2
32.5°	904.9	914.9	932.3	972.1	1017.9	1031.4	980.1	944.3	996.5	1049.3	1028.4
35°	876.1	883.5	897.5	940.3	979.1	1009.0	958.2	920.9	987.6	1031.9	995.0
37.5°	847.2	855.2	867.1	903.0	938.3	988.1	939.3	897.5	971.2	1001.0	960.2
40°	819.8	824.3	836.8	859.2	904.5	966.7	917.9	873.1	954.2	961.7	912.9
42.5°	769.6	792.0	803.4	821.3	866.1	937.3	893.0	847.2	935.3	922.4	865.6
45°	715.3	764.1	769.1	787.0	832.3	905.9	869.6	821.8	917.4	888.5	820.8
47.5°	671.0	706.3	735.2	750.1	792.0	869.1	847.7	800.4	890.5	845.7	777.0
50°	631.7	650.6	702.9	713.8	743.7	824.8	821.8	775.5	853.2	792.0	734.2
52.5°	593.3	606.8	654.1	677.5	701.9	777.0	791.0	751.1	812.4	738.2	690.9
55°	560.0	564.5	590.4	639.6	661.5	728.7	757.1	722.8	760.6	686.9	649.1
57.5°	525.6	521.7	540.6	603.8	619.7	679.5	721.3	693.9	718.8	634.7	605.8
60°	489.8	484.3	492.3	534.1	575.4	630.7	679.0	662.0	668.0	582.9	557.5
62.5°	452.5	447.0	444.5	470.9	532.1	580.4	636.2	626.7	605.8	535.6	497.8
65°	413.6	408.2	404.2	414.6	484.3	515.2	588.4	585.9	537.6	485.8	419.1
67.5°	125.9	371.3	362.9	362.4	408.2	456.0	536.6	532.6	468.9	432.6	360.9
70°	113.5	301.2	320.1	315.6	335.5	395.7	477.4	474.4	402.2	346.9	319.1
72.5°	104.0	106.5	282.7	277.8	282.2	336.5	415.6	407.7	341.0	273.8	275.8
75°	89.1	93.6	97.6	234.5	228.5	278.8	348.4	336.0	281.2	226.0	230.5
77.5°	72.7	78.2	81.1	170.7	184.7	198.6	278.3	261.8	193.6	180.7	86.1
80°	54.3	58.7	63.7	68.2	140.4	138.9	206.6	190.1	134.9	112.5	67.2
82.5°	39.8	41.3	44.3	49.3	55.8	93.1	132.9	117.0	93.6	51.3	46.3
85°	24.9	26.9	28.4	29.9	33.8	55.8	65.7	52.3	39.3	31.4	29.4
87.5°	15.9	15.9	15.4	15.9	16.4	19.9	22.4	21.4	16.9	15.9	15.9
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1082.2	1075.2	1075.2	1073.2	1074.7	1074.7	1074.2	1074.7	1078.2	1080.2	1083.7
5°	1081.7	1079.7	1084.1	1089.6	1096.1	1104.1	1106.0	1113.0	1119.5	1128.0	1136.9
7.5°	1088.1	1095.1	1103.6	1112.5	1125.5	1134.9	1143.4	1151.8	1157.8	1165.8	1170.8
10°	1097.6	1111.5	1126.0	1137.4	1151.3	1159.3	1164.8	1165.8	1157.3	1143.9	1132.9
12.5°	1111.0	1127.5	1140.9	1151.8	1158.3	1155.3	1139.4	1123.0	1113.5	1099.6	1080.2
15°	1122.5	1137.4	1151.3	1146.9	1129.4	1113.0	1100.6	1081.2	1062.2	1049.3	1040.8
17.5°	1127.5	1141.9	1136.9	1113.5	1097.1	1078.2	1052.8	1037.9	1025.4	1015.5	1010.5
20°	1130.4	1128.0	1101.1	1084.1	1052.3	1034.9	1018.4	1004.5	995.0	990.1	989.1
22.5°	1122.5	1092.1	1069.2	1038.9	1015.5	1001.0	988.1	976.6	970.2	966.2	963.7
25°	1096.1	1060.8	1026.9	1003.0	983.1	970.7	960.7	951.2	943.3	941.3	936.3
27.5°	1059.3	1030.4	985.6	967.2	949.7	943.8	932.8	923.4	916.4	910.4	894.5
30°	1028.9	983.1	950.7	933.8	923.4	916.4	904.0	894.0	882.1	860.2	851.2
32.5°	991.6	946.3	915.4	905.9	893.0	887.0	873.1	851.2	832.8	823.8	823.3
35°	943.3	905.9	883.5	875.1	864.6	854.7	825.8	805.9	796.9	797.9	805.4
37.5°	903.0	869.6	855.2	843.2	831.3	805.9	781.5	772.0	774.5	779.5	783.0
40°	862.1	836.8	820.3	810.9	784.0	759.1	746.2	749.6	754.1	757.6	762.1
42.5°	822.3	804.4	788.0	769.6	732.7	719.3	722.3	726.7	730.7	735.7	740.2
45°	784.5	768.6	749.6	707.8	689.4	692.9	697.4	700.9	706.8	710.3	714.8
47.5°	748.6	731.7	698.4	661.5	659.5	666.5	670.5	675.0	679.5	670.5	369.8
50°	708.3	690.9	640.1	626.2	630.7	637.1	642.1	646.6	575.9	229.0	176.2
52.5°	668.5	624.2	591.9	595.8	600.3	607.8	611.3	454.0	180.7	172.2	172.7
55°	624.2	567.5	558.0	563.0	567.0	574.4	380.8	166.8	165.8	165.3	169.2
57.5°	554.5	520.2	524.2	529.1	533.1	376.3	162.3	161.3	161.8	162.3	162.8
60°	492.3	484.8	489.3	493.8	349.4	156.8	153.8	154.3	156.3	154.8	150.8
62.5°	443.0	449.0	453.5	397.2	148.8	147.3	148.8	147.3	143.9	141.4	136.4
65°	405.2	411.2	414.6	139.9	139.4	141.4	139.9	134.9	129.4	122.5	121.0
67.5°	365.4	371.3	132.9	129.4	131.4	128.9	122.9	117.0	113.0	107.0	104.5
70°	324.0	138.9	120.5	120.0	116.5	112.5	106.0	100.1	95.1	92.6	90.1
72.5°	234.0	110.0	108.5	104.5	98.6	93.1	87.6	84.1	81.6	80.1	78.6
75°	97.6	95.6	91.1	84.1	78.2	75.7	71.7	69.2	68.2	65.2	64.2
77.5°	81.6	77.7	71.2	66.2	62.7	61.2	58.2	55.3	53.8	53.3	51.3
80°	62.7	57.2	54.3	51.8	50.8	47.3	43.8	42.3	41.3	40.8	39.3
82.5°	42.8	40.8	38.8	35.3	35.3	33.8	32.4	31.4	30.4	30.4	29.4
85°	27.9	26.4	25.9	24.4	24.4	23.4	22.9	22.4	21.9	21.4	20.9
87.5°	15.9	15.9	16.4	15.9	15.9	15.4	14.9	14.4	13.9	13.9	12.9
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1088.1	1093.1	1094.1	1111.0	1120.5	1120.0	1117.0	1126.0	1120.5	1117.5	1120.5
5°	1145.9	1151.8	1156.8	1175.2	1181.7	1184.7	1184.2	1189.2	1185.2	1181.7	1181.7
7.5°	1174.2	1176.2	1178.2	1173.7	1170.8	1165.8	1158.3	1147.4	1141.9	1135.9	1128.4
10°	1127.5	1121.0	1123.5	1114.5	1107.0	1101.6	1094.6	1085.6	1078.2	1072.7	1064.2
12.5°	1070.2	1069.7	1070.7	1072.2	1064.7	1060.3	1054.8	1048.3	1042.8	1036.9	1029.9
15°	1035.4	1035.9	1039.8	1038.4	1035.9	1033.4	1027.4	1025.4	1020.4	1014.0	1010.0
17.5°	1010.5	1013.0	1016.9	1015.0	1011.0	1008.5	1004.0	999.5	995.0	990.1	984.1
20°	988.6	991.1	993.6	991.1	983.6	980.1	974.1	960.2	950.2	940.3	931.3
22.5°	964.7	966.2	964.2	956.2	937.3	928.3	921.4	917.4	908.9	903.5	898.0
25°	934.8	926.4	913.4	904.5	897.0	893.0	890.0	889.5	888.5	887.5	885.0
27.5°	886.0	883.0	876.1	872.6	873.1	874.6	875.1	876.6	875.1	873.1	871.1
30°	849.7	851.2	851.7	852.7	855.2	856.7	857.2	859.2	858.2	856.7	855.7
32.5°	826.8	830.3	832.3	835.3	836.8	839.2	839.2	842.2	839.2	838.7	837.8
35°	807.9	810.9	811.9	816.3	817.8	820.3	820.3	822.8	820.3	794.9	627.7
37.5°	789.0	792.0	793.9	797.9	798.4	799.9	738.2	540.1	348.4	269.8	206.1
40°	766.6	770.1	772.0	773.5	543.6	345.0	237.4	193.1	193.1	194.6	196.1
42.5°	742.7	745.2	519.2	302.1	188.2	187.7	189.2	190.6	192.1	194.1	196.1
45°	583.9	294.7	187.2	182.7	184.2	186.2	188.2	190.1	192.6	194.6	195.6
47.5°	191.6	179.7	182.2	180.2	182.7	185.2	187.2	189.2	189.7	190.1	189.7
50°	177.2	177.2	178.7	178.7	180.7	181.7	181.7	181.7	179.7	179.2	177.7
52.5°	171.2	175.2	173.2	174.2	173.2	171.7	170.2	168.7	165.8	164.8	162.8
55°	168.2	169.7	164.8	163.3	161.3	157.3	155.3	153.3	150.8	149.8	147.3
57.5°	161.3	157.8	152.3	149.8	146.3	142.4	140.4	138.9	136.4	135.4	133.9
60°	148.3	141.4	137.9	134.9	130.9	127.4	125.9	124.9	122.9	122.5	121.0
62.5°	132.4	126.4	123.4	119.5	116.5	114.5	113.0	112.5	110.5	110.5	109.5
65°	115.0	112.0	109.5	105.5	104.0	102.0	101.5	101.0	100.1	99.6	98.6
67.5°	101.0	99.1	95.6	93.6	92.6	91.1	90.1	89.1	87.1	86.1	84.6
70°	88.6	87.1	83.6	82.1	80.1	77.7	76.2	75.2	73.7	72.7	71.2
72.5°	76.7	72.2	69.7	68.2	66.7	64.2	63.7	62.7	61.2	60.7	59.2
75°	61.7	58.2	56.7	55.8	54.3	52.8	52.8	52.8	51.3	50.8	50.3
77.5°	49.3	47.3	46.3	45.3	44.8	43.8	42.3	41.8	40.3	40.3	39.8
80°	37.8	36.8	35.8	35.3	34.8	33.8	32.9	32.4	30.9	30.9	30.4
82.5°	27.9	27.4	26.9	26.4	25.9	25.4	23.9	23.4	22.4	22.4	21.9
85°	19.9	19.4	18.4	17.9	17.9	17.4	15.9	15.4	14.4	14.4	14.4
87.5°	12.4	11.9	11.4	11.0	10.5	10.0	9.0	8.5	8.5	7.5	7.0
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1114.5	1123.0	1122.0	1128.0	1129.4	1132.4	1133.4	1133.9	1126.5	1132.4	1132.9
5°	1180.2	1181.7	1182.7	1185.2	1187.7	1188.2	1185.7	1182.7	1183.7	1181.7	1176.7
7.5°	1127.5	1120.0	1118.5	1116.5	1115.5	1114.5	1110.0	1114.0	1109.5	1107.5	1100.6
10°	1062.7	1055.8	1055.3	1055.3	1056.8	1056.3	1055.3	1053.3	1057.3	1054.8	1053.3
12.5°	1028.9	1026.4	1027.9	1026.9	1030.9	1031.9	1030.9	1030.9	1029.9	1027.9	1028.9
15°	1008.5	1006.5	1008.0	1006.5	1009.5	1010.0	1007.5	1009.0	1006.5	1004.0	1003.0
17.5°	981.6	977.1	973.6	968.7	969.2	968.2	965.2	965.2	962.7	956.2	956.7
20°	929.8	925.4	923.4	923.4	925.9	926.9	926.4	927.3	924.9	923.9	919.9
22.5°	897.5	897.0	898.0	900.5	904.5	909.9	910.4	910.4	910.4	909.9	904.9
25°	886.0	886.0	887.0	890.5	893.5	897.5	898.5	899.5	898.5	898.5	894.0
27.5°	873.1	872.1	874.1	877.6	881.1	884.0	886.5	887.0	885.5	885.5	887.0
30°	857.2	856.7	859.2	862.6	865.6	868.6	871.1	873.1	871.1	871.1	869.6
32.5°	840.7	840.7	841.7	820.8	761.1	685.4	686.9	643.1	612.8	574.4	625.2
35°	524.7	381.8	328.0	277.8	242.4	219.5	219.0	211.6	208.1	205.6	205.1
37.5°	198.1	199.1	201.1	202.1	203.6	204.6	205.1	205.1	205.1	205.1	204.6
40°	197.6	199.6	201.1	202.6	204.1	205.1	205.1	205.6	206.1	206.1	206.1
42.5°	198.1	200.1	202.1	203.6	204.6	205.1	205.6	206.1	206.1	206.1	206.1
45°	197.6	198.6	198.6	199.1	199.1	199.1	199.6	199.6	199.1	198.6	199.6
47.5°	190.1	190.1	188.7	188.2	187.7	186.7	187.2	186.7	186.2	185.7	186.7
50°	177.2	175.2	174.2	173.2	172.7	171.7	172.2	171.7	171.2	170.2	171.7
52.5°	161.8	161.3	159.3	158.3	157.8	158.3	157.3	156.8	156.3	155.8	156.3
55°	146.8	144.9	144.4	143.4	142.9	143.4	142.9	142.4	141.9	141.4	141.9
57.5°	133.4	131.9	131.4	130.4	130.4	130.4	130.4	129.9	129.4	128.9	129.4
60°	120.5	119.5	119.0	119.0	118.5	118.5	118.5	118.0	117.5	117.5	118.0
62.5°	109.5	109.5	108.0	107.5	107.5	108.0	107.5	107.0	106.5	106.0	107.0
65°	98.1	96.1	95.6	94.6	93.6	94.1	93.6	93.1	92.6	92.1	93.1
67.5°	84.1	83.6	81.6	80.6	80.1	80.6	80.1	79.6	79.1	78.6	79.6
70°	70.7	70.7	68.7	68.2	67.7	67.7	67.2	67.2	66.7	66.2	67.2
72.5°	58.7	58.7	58.2	57.2	56.7	56.2	55.8	55.3	55.3	55.8	55.8
75°	48.8	47.8	45.8	46.3	45.8	45.3	45.3	44.8	44.3	45.3	44.8
77.5°	38.3	37.8	36.3	36.8	36.3	35.8	35.8	35.3	34.8	35.3	35.3
80°	28.9	28.9	28.4	27.9	27.9	27.4	26.9	26.9	26.4	26.9	26.9
82.5°	20.9	20.9	20.4	19.9	19.4	19.4	18.9	18.9	18.9	18.9	18.9
85°	13.4	12.9	12.9	11.9	11.9	11.9	11.4	11.4	11.4	11.4	11.4
87.5°	6.5	6.5	6.0	6.0	5.5	5.0	5.0	4.5	4.5	5.0	5.0
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1124.0	1130.4	1125.0	1127.5	1128.0	1136.4	1135.9	1137.9	1134.4	1130.4	1125.0
5°	1181.2	1178.2	1174.2	1183.7	1178.7	1184.7	1186.7	1190.7	1190.7	1190.2	1185.7
7.5°	1108.0	1101.6	1106.5	1110.0	1111.5	1107.5	1115.5	1124.5	1131.9	1136.4	1136.9
10°	1050.8	1052.8	1052.3	1053.8	1057.3	1056.8	1061.7	1066.7	1068.7	1071.7	1072.7
12.5°	1023.9	1023.4	1024.4	1027.9	1029.9	1029.4	1034.4	1037.4	1038.4	1038.9	1038.4
15°	1002.5	999.0	1001.5	1002.0	1003.5	1003.5	1009.5	1014.0	1016.0	1016.9	1016.0
17.5°	962.2	953.7	961.7	961.7	967.2	966.2	975.6	983.1	987.1	990.1	990.1
20°	922.4	918.4	921.4	920.4	924.4	923.9	929.8	934.8	938.3	940.8	943.8
22.5°	906.4	907.4	903.0	903.5	903.5	903.0	905.9	908.4	909.4	910.9	909.9
25°	896.0	897.0	895.5	893.0	892.0	893.0	894.5	897.5	898.0	897.0	893.5
27.5°	885.5	882.6	885.0	880.6	879.6	881.6	883.5	884.0	884.5	884.5	881.6
30°	869.6	867.1	869.6	867.6	865.6	867.6	869.1	869.1	870.1	870.6	867.1
32.5°	607.8	612.8	693.4	742.2	810.9	845.7	852.2	852.2	853.2	853.2	850.2
35°	207.1	207.6	224.5	243.4	283.7	333.5	398.7	432.6	547.1	683.9	816.3
37.5°	204.6	204.1	203.6	203.1	202.6	202.1	201.1	200.6	203.6	241.4	327.5
40°	205.6	205.1	204.1	203.6	203.1	202.1	201.6	200.6	199.6	198.6	197.6
42.5°	205.6	205.1	204.6	204.1	203.6	203.1	202.1	201.1	200.1	198.6	197.1
45°	198.6	198.6	199.1	199.1	199.6	199.6	199.6	199.1	199.1	198.6	196.6
47.5°	185.7	185.7	187.2	187.2	188.2	189.2	189.2	190.1	191.6	192.6	193.1
50°	170.7	170.7	172.2	172.7	173.7	175.2	176.7	177.2	178.7	180.7	182.7
52.5°	155.8	155.8	157.3	157.3	158.3	159.8	161.3	161.8	163.8	165.8	168.2
55°	141.9	141.9	142.9	143.4	143.9	144.9	146.3	146.3	148.3	149.8	152.3
57.5°	129.4	130.4	130.4	130.4	130.9	131.9	132.9	132.9	134.4	135.9	137.9
60°	117.5	118.5	118.5	118.5	119.0	119.5	120.5	120.5	121.5	122.5	124.4
62.5°	106.5	107.5	107.5	108.0	108.0	108.5	109.5	109.0	110.0	110.5	112.0
65°	92.6	93.6	94.1	94.6	95.1	96.1	97.6	97.1	98.6	99.6	101.0
67.5°	79.1	80.1	80.1	80.6	81.1	82.1	83.1	83.1	84.6	85.6	87.6
70°	66.7	67.7	67.7	68.2	68.7	69.7	70.7	70.2	71.7	72.7	74.2
72.5°	55.3	56.2	56.2	56.7	56.7	57.7	58.7	59.7	59.7	60.7	61.7
75°	44.8	45.3	45.8	45.8	46.3	46.8	47.8	48.8	49.3	49.8	50.8
77.5°	35.3	35.8	36.3	36.3	36.8	37.3	37.8	39.8	40.8	41.3	41.3
80°	26.9	27.4	27.4	27.4	27.9	28.4	29.4	29.4	31.4	31.4	31.9
82.5°	18.9	19.4	19.4	19.4	19.9	20.9	21.4	21.9	22.9	23.4	23.4
85°	11.4	11.9	11.9	11.9	12.4	12.9	13.9	14.4	14.9	14.9	15.4
87.5°	4.5	5.0	5.5	5.5	6.0	6.5	7.0	7.5	8.0	8.0	8.5
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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CATALOG NUMBER: 2SNLED-LD5-21SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1119.0	1122.5	1119.0	1121.0	1123.5	1119.0	1108.5	1104.6	1103.1	1097.1	1093.1
5°	1181.2	1181.2	1179.7	1183.7	1183.2	1176.2	1165.3	1160.3	1155.3	1148.9	1143.9
7.5°	1136.9	1140.9	1143.4	1158.8	1168.8	1169.8	1176.7	1178.2	1180.2	1178.2	1175.2
10°	1073.2	1071.7	1078.7	1093.1	1101.6	1106.0	1119.5	1126.0	1131.4	1142.4	1153.8
12.5°	1037.4	1039.3	1042.3	1052.8	1060.8	1058.8	1064.2	1068.7	1075.2	1086.1	1102.6
15°	1013.5	1015.5	1018.4	1026.4	1031.4	1028.9	1031.9	1034.9	1039.3	1044.8	1054.8
17.5°	987.6	991.1	994.5	1003.0	1007.5	1007.0	1009.5	1010.5	1012.0	1015.5	1022.4
20°	947.3	958.2	965.2	976.6	983.1	982.1	986.6	988.1	990.1	993.6	996.5
22.5°	910.4	913.4	916.9	929.3	940.3	953.7	956.7	960.7	965.7	969.2	972.1
25°	889.5	887.5	889.0	897.5	903.5	904.5	908.9	921.9	935.3	941.3	948.3
27.5°	877.1	875.1	874.6	878.6	879.6	877.1	876.1	880.1	890.0	900.0	920.9
30°	863.6	861.1	859.2	862.6	864.1	860.6	854.2	850.7	856.7	859.2	867.6
32.5°	847.7	845.2	844.2	846.2	847.2	844.2	837.3	833.3	832.3	830.3	832.3
35°	829.8	827.3	825.8	826.3	828.3	825.8	819.8	814.9	812.4	806.9	802.9
37.5°	427.6	605.8	786.5	805.4	807.4	806.9	800.9	795.4	793.0	786.5	784.5
40°	195.6	218.5	328.0	428.6	618.2	785.5	780.0	774.5	770.1	768.1	760.6
42.5°	195.1	195.6	196.1	193.6	239.9	408.7	603.3	753.1	750.1	745.2	739.7
45°	195.1	192.6	194.6	191.6	192.6	192.1	239.4	386.3	687.4	718.3	715.8
47.5°	193.1	191.6	193.6	191.1	188.2	189.7	187.7	190.1	296.7	503.2	689.4
50°	184.2	185.2	188.7	188.2	185.7	187.7	184.2	187.2	184.7	202.6	390.3
52.5°	170.7	172.7	176.2	179.2	180.2	182.7	181.7	182.7	180.7	181.2	181.7
55°	154.8	157.3	160.3	164.8	166.8	170.7	173.7	175.2	177.7	177.2	173.2
57.5°	139.9	142.4	144.9	149.3	153.8	155.8	161.3	164.3	170.7	169.2	168.2
60°	125.9	127.9	130.4	131.4	136.9	140.4	145.3	148.3	156.8	158.8	161.8
62.5°	113.5	114.5	116.5	118.0	121.5	124.9	127.4	132.4	136.9	143.4	147.8
65°	102.0	103.0	104.5	105.5	106.0	111.0	112.5	118.0	119.5	126.4	130.4
67.5°	89.1	91.1	93.1	94.1	95.1	98.1	99.1	101.5	105.0	108.0	113.0
70°	75.7	77.2	79.1	80.6	82.6	84.6	87.6	89.1	91.6	93.6	97.6
72.5°	63.2	64.7	65.7	67.2	68.7	70.2	72.7	76.2	78.2	81.6	82.6
75°	51.3	52.8	53.8	54.8	56.2	57.2	58.2	61.7	63.7	66.7	69.7
77.5°	42.3	42.3	43.3	46.3	45.8	45.8	46.8	48.8	50.3	52.3	55.3
80°	32.9	33.4	33.8	36.3	36.8	37.3	36.8	38.3	39.8	40.3	42.3
82.5°	24.4	24.9	24.9	26.4	27.9	27.9	27.9	28.4	29.9	30.4	31.4
85°	16.4	16.9	17.4	17.9	18.9	19.4	19.9	19.9	20.9	21.4	21.9
87.5°	9.0	10.0	10.5	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1091.6	1089.1	1087.6	1083.7	1082.7	1076.2	1077.2	1076.2	1076.2	1077.7	1082.7
5°	1138.4	1126.5	1123.5	1115.0	1108.0	1096.1	1088.6	1084.6	1078.7	1076.2	1079.7
7.5°	1170.3	1161.3	1153.8	1146.4	1136.4	1122.5	1112.0	1100.1	1090.1	1080.7	1078.2
10°	1164.8	1174.7	1174.7	1170.3	1160.8	1146.9	1134.4	1119.5	1102.1	1087.1	1078.2
12.5°	1118.5	1135.9	1149.9	1160.3	1169.8	1160.3	1147.9	1135.9	1116.5	1094.6	1078.2
15°	1067.7	1085.6	1103.1	1125.0	1147.9	1157.3	1156.8	1142.9	1125.5	1102.6	1079.7
17.5°	1031.9	1044.3	1053.8	1077.7	1105.6	1129.9	1146.4	1147.4	1130.4	1110.0	1080.2
20°	1005.0	1014.0	1021.9	1035.4	1059.8	1089.6	1120.0	1136.9	1133.9	1111.5	1081.7
22.5°	980.6	987.1	993.6	1003.5	1022.9	1042.3	1077.7	1112.5	1127.5	1109.0	1080.2
25°	956.2	963.2	968.2	975.1	990.6	1006.5	1031.4	1074.7	1108.0	1107.0	1077.2
27.5°	927.3	936.8	942.8	952.2	962.7	974.6	991.6	1032.4	1080.2	1097.1	1069.2
30°	892.5	906.4	915.4	925.9	934.8	945.3	958.7	983.6	1042.8	1077.7	1060.8
32.5°	842.2	867.1	887.0	897.0	906.9	915.9	927.8	948.8	997.0	1051.3	1051.3
35°	806.4	817.8	835.8	864.6	877.1	886.0	897.0	913.4	944.3	1019.9	1035.9
37.5°	778.5	783.0	792.0	820.3	843.7	858.2	869.1	879.6	909.9	977.1	1016.0
40°	757.6	756.1	755.1	768.6	801.9	824.8	837.3	847.7	871.1	925.9	989.6
42.5°	733.2	731.7	726.7	730.2	746.7	785.0	803.9	815.4	834.8	872.1	960.7
45°	707.8	705.3	703.4	699.9	705.8	727.2	766.1	783.0	793.9	827.3	924.4
47.5°	681.9	678.5	676.0	673.0	669.5	679.5	716.3	746.7	765.6	786.5	880.6
50°	645.1	649.6	646.6	643.1	640.1	638.1	653.6	703.4	726.7	743.7	827.3
52.5°	304.1	591.4	616.2	612.8	608.8	605.3	608.8	646.6	688.9	702.4	763.1
55°	173.2	263.3	548.0	579.4	575.9	570.9	568.0	580.9	644.1	662.0	704.3
57.5°	166.8	167.3	241.9	522.2	541.6	537.1	533.6	536.6	590.4	620.7	653.1
60°	161.3	161.3	161.3	231.0	499.3	500.8	496.3	491.3	514.7	574.4	601.3
62.5°	149.3	152.3	153.8	153.8	228.0	462.4	458.0	456.5	457.5	518.7	549.5
65°	133.9	140.9	143.9	145.8	145.8	239.4	418.6	416.1	412.7	436.0	497.3
67.5°	117.0	123.9	130.4	134.4	134.9	139.4	249.9	374.8	369.8	370.3	441.5
70°	99.6	105.5	112.5	118.5	123.9	126.4	130.4	311.1	327.5	320.6	378.3
72.5°	86.1	88.6	93.6	99.6	106.0	112.0	115.5	123.9	284.2	276.8	287.7
75°	71.7	73.7	77.2	81.1	86.1	93.1	99.1	105.0	150.8	232.0	230.5
77.5°	55.8	59.2	63.2	65.7	68.2	73.2	81.1	87.1	93.1	156.8	184.7
80°	42.8	45.3	47.3	49.8	52.8	56.2	59.2	66.2	73.2	78.6	141.4
82.5°	31.9	33.4	34.8	35.8	36.8	38.8	44.3	46.8	51.3	56.2	66.7
85°	22.4	23.4	24.4	24.9	25.4	25.9	27.9	28.4	32.9	33.8	40.3
87.5°	14.4	14.9	15.9	16.4	16.4	16.9	17.4	17.4	17.4	16.4	19.9
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: P1214027

CATALOG NUMBER: 2SNLED-LD5-21SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1086.1	1086.1
2.5°	1086.6	1094.6
5°	1085.1	1095.6
7.5°	1081.2	1091.1
10°	1075.2	1087.1
12.5°	1068.7	1080.2
15°	1063.2	1071.7
17.5°	1057.3	1062.2
20°	1049.3	1053.3
22.5°	1041.3	1039.3
25°	1032.4	1027.9
27.5°	1020.9	1012.5
30°	1010.5	995.5
32.5°	1000.5	976.1
35°	987.1	956.2
37.5°	973.1	935.8
40°	956.7	912.4
42.5°	939.3	889.0
45°	917.4	866.6
47.5°	898.0	839.7
50°	871.1	810.9
52.5°	838.2	784.0
55°	799.4	751.1
57.5°	757.6	716.8
60°	712.8	677.5
62.5°	658.6	636.7
65°	594.8	589.9
67.5°	511.7	538.1
70°	419.6	478.9
72.5°	350.9	416.1
75°	287.7	346.0
77.5°	228.0	271.3
80°	142.4	198.6
82.5°	95.6	130.4
85°	57.7	62.2
87.5°	22.4	22.9
90°	0.0	0.0

(END OF REPORT)