

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: P1214083

Luminaire Tested: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

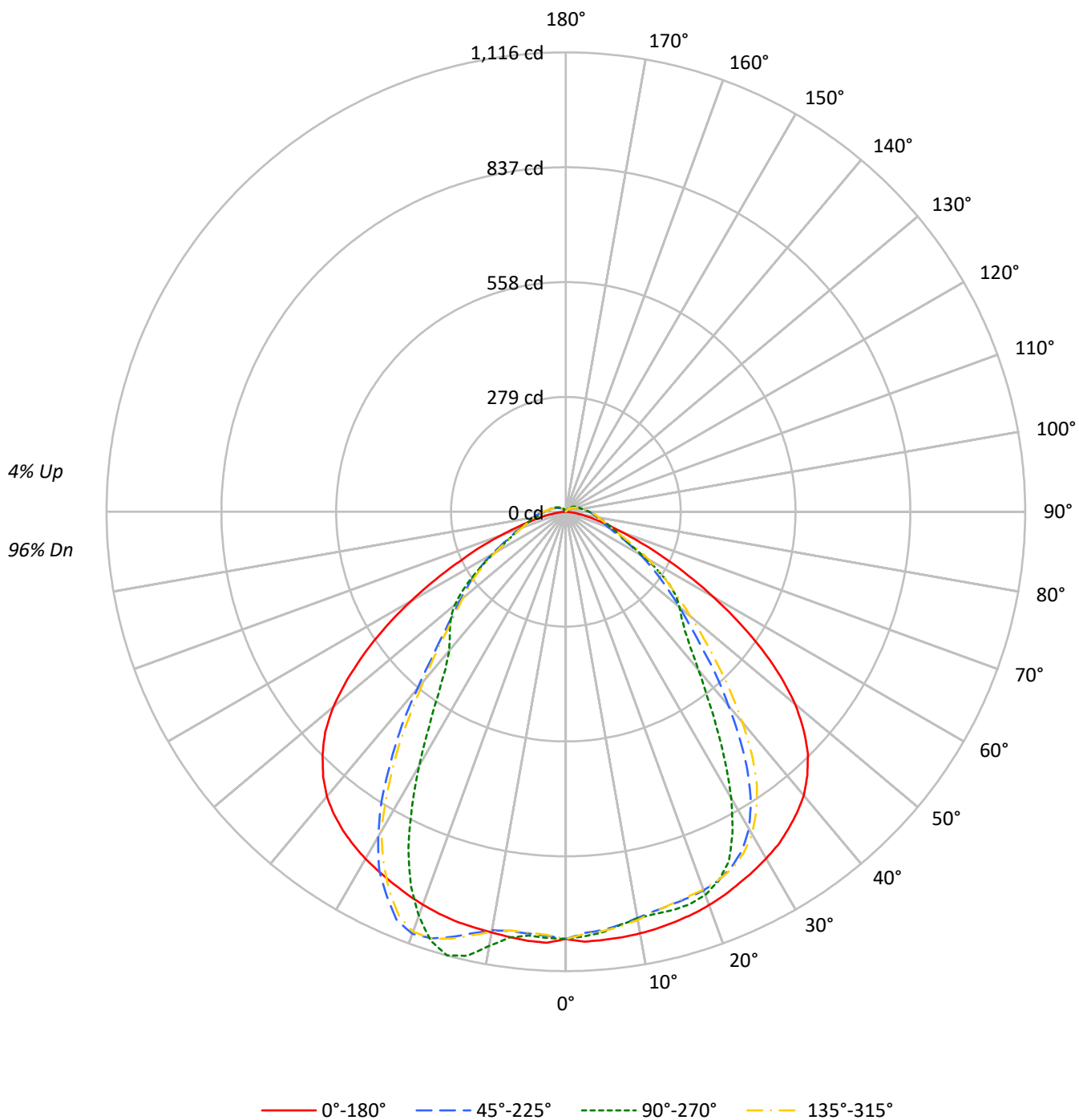
Lumens per Lamp: N/A
Luminaire Lumens: 2474.0 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1214083

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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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	96
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	84	84	82
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	73	73	71
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	63	63	61
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	56	56	54
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	49	49	47
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	44	44	42
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	40	40	38
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	36	36	34
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	33	33	31
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	30	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8386	8386	8386	8386
5°	8447	8054	8465	8117
10°	8486	7719	8469	8243
15°	8552	7616	8548	8479
20°	8647	7495	8637	7900
25°	8753	7110	8748	6870
30°	8917	6162	8923	5460
35°	9092	4983	9118	4217
40°	9246	4012	9284	3535
45°	9214	3398	9261	3310
50°	8816	3129	8940	3059
55°	7822	2812	8018	2556
60°	6344	2153	6682	1975
65°	4717	1647	5082	1561
70°	3207	1421	3616	1360
75°	2097	1282	2444	1213
80°	1356	1196	1589	1101
85°	697	1193	915	1090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 9261 cd/sqm

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	4.0
10°-20°	293.3	11.9
20°-30°	445.9	18.0
30°-40°	478.3	19.3
40°-50°	415.2	16.8
50°-60°	307.7	12.4
60°-70°	176.3	7.1
70°-80°	97.6	3.9
80°-90°	59.4	2.4
90°-100°	38.7	1.6
100°-110°	25.9	1.0
110°-120°	17.5	0.7
120°-130°	10.7	0.4
130°-140°	5.6	0.2
140°-150°	2.6	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	837.8	33.9
0°-40°	1316.1	53.2
0°-60°	2038.9	82.4
0°-90°	2372.3	95.9
90°-120°	82.0	3.3
90°-150°	100.9	4.1
90°-180°	102.0	4.1
0°-180°	2474.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1038	1038	1038	1038	1038	
5°	1044	1026	1046	1034	1044	100
15°	1031	1002	1030	1116	1031	292
25°	996	937	995	905	996	460
35°	942	638	944	540	942	590
45°	831	409	836	398	831	637
55°	580	307	594	279	580	514
65°	263	156	284	147	263	265
75°	75	99	87	93	75	86
85°	10	68	13	62	10	13
90°	0	57	1	52	0	0
95°	0	47	0	44	0	0
105°	0	35	0	33	0	1
115°	0	28	0	26	0	0
125°	0	21	0	18	0	0
135°	0	13	0	11	0	0
145°	0	8	1	6	0	0
155°	1	4	1	3	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8
2.5°	1045.3	1042.6	1041.5	1039.4	1041.0	1047.4	1043.1	1036.2	1036.7	1024.4	1030.8
5°	1044.2	1041.0	1039.4	1037.2	1038.3	1044.2	1039.9	1033.0	1032.4	1020.1	1026.0
7.5°	1042.6	1039.4	1036.7	1035.1	1035.6	1040.5	1035.1	1027.1	1025.5	1012.1	1017.4
10°	1039.9	1037.8	1034.0	1031.3	1030.8	1036.2	1027.6	1019.6	1015.8	1001.9	1007.2
12.5°	1036.2	1033.0	1029.2	1024.4	1023.8	1027.1	1020.1	1008.8	1005.1	993.8	999.7
15°	1030.8	1027.1	1022.8	1017.4	1014.7	1016.9	1008.3	998.1	997.6	987.9	996.0
17.5°	1024.9	1019.6	1014.7	1007.2	1003.5	1005.1	998.1	989.0	990.1	984.2	993.3
20°	1016.9	1011.0	1003.5	996.0	990.6	993.3	988.5	981.5	983.1	978.8	986.9
22.5°	1007.8	999.7	990.6	982.0	977.7	981.5	977.7	971.8	972.4	969.7	974.5
25°	996.0	986.9	976.1	965.4	963.3	966.0	963.8	959.0	956.8	952.5	954.7
27.5°	985.2	975.1	961.7	950.4	946.7	952.0	947.2	939.1	933.3	927.4	923.1
30°	972.9	960.6	945.6	932.7	929.5	931.6	924.7	912.3	896.8	889.3	877.5
32.5°	959.5	943.4	924.7	910.2	908.1	906.4	893.6	875.9	851.8	836.8	818.5
35°	941.8	924.1	901.6	883.9	880.7	871.6	850.7	827.1	796.0	770.3	739.2
37.5°	922.0	901.1	877.5	853.9	844.8	826.6	797.1	772.4	725.3	694.2	656.7
40°	899.5	874.3	845.3	816.9	801.9	772.4	738.7	702.2	656.7	614.8	583.2
42.5°	868.4	841.6	807.3	775.7	749.9	710.8	671.1	619.7	577.9	542.5	510.3
45°	831.4	799.2	759.6	721.5	688.8	642.2	595.5	544.1	509.2	468.0	446.0
47.5°	783.7	748.9	706.5	664.2	621.3	569.8	521.0	471.7	436.9	407.4	391.3
50°	727.4	695.2	648.6	598.2	551.1	497.4	448.7	411.7	377.9	359.7	347.4
52.5°	657.7	627.7	580.0	525.3	479.8	427.2	382.7	352.7	328.6	315.2	310.9
55°	580.0	553.7	506.6	455.6	409.0	360.8	327.0	300.7	285.2	277.1	277.7
57.5°	496.9	476.5	432.1	386.5	342.5	306.1	275.5	254.6	242.8	242.3	243.9
60°	413.8	398.8	360.2	321.1	282.5	253.0	230.5	216.0	208.5	209.1	208.5
62.5°	334.5	320.6	292.7	260.5	230.0	210.1	189.8	183.9	177.4	176.9	176.9
65°	263.2	252.5	230.0	206.9	183.9	171.0	160.8	153.8	149.0	147.9	148.5
67.5°	197.8	193.5	178.0	162.4	147.9	139.9	131.3	129.7	126.0	126.0	127.0
70°	147.4	144.2	135.6	126.5	120.6	115.2	111.0	111.0	110.4	109.9	112.6
72.5°	106.7	107.2	104.5	97.6	97.0	96.0	94.9	96.5	97.0	98.6	101.8
75°	75.0	76.7	76.7	75.6	77.7	80.4	82.0	84.7	87.9	90.1	93.8
77.5°	53.1	53.1	55.7	59.0	63.3	68.1	72.4	76.1	80.4	83.1	86.3
80°	34.3	35.9	40.2	46.1	52.0	58.4	64.3	69.1	73.4	77.7	79.9
82.5°	20.4	23.0	28.4	35.9	43.4	51.5	57.4	63.3	68.1	72.4	74.0
85°	10.2	13.9	20.4	28.4	36.5	45.0	52.5	57.9	63.3	67.0	69.1
87.5°	3.2	7.5	14.5	22.0	30.6	39.1	47.2	53.1	57.9	61.1	63.3
90°	0.0	3.8	10.2	18.2	26.3	34.8	42.3	48.8	53.6	56.3	57.9
92.5°	0.0	2.1	8.0	15.0	22.5	31.1	38.6	44.5	48.8	51.5	52.5
95°	0.5	1.6	5.9	12.3	19.8	27.9	34.8	40.2	44.5	47.2	47.7
97.5°	0.5	1.1	4.8	10.2	17.2	24.7	31.6	37.0	40.2	42.9	43.4
100°	0.5	1.1	3.8	9.1	15.0	22.0	28.4	33.2	37.0	39.1	39.7
102.5°	0.5	0.5	3.2	7.5	13.4	19.3	25.2	30.0	33.2	35.4	36.5
105°	0.5	0.5	2.7	6.4	11.8	17.2	22.5	27.3	30.0	32.2	33.2
107.5°	0.5	0.5	2.1	5.4	10.2	15.0	20.4	24.1	27.3	29.5	30.6
110°	0.5	0.5	1.6	4.8	8.6	13.4	17.7	21.4	24.7	26.8	27.9

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	0.5	1.6	4.3	7.5	11.8	15.5	19.3	22.0	24.1	25.7
115°	0.5	0.5	1.6	3.8	7.0	10.2	13.9	17.2	19.8	22.0	23.6
117.5°	0.5	0.5	1.6	3.2	5.9	9.1	12.3	15.5	17.7	19.8	21.4
120°	0.5	0.5	1.1	2.7	5.4	8.0	10.7	13.4	16.1	18.2	19.8
122.5°	0.5	0.5	1.1	2.7	4.3	7.0	9.6	11.8	14.5	16.1	17.7
125°	0.5	0.5	1.1	2.1	3.8	6.4	8.6	10.7	12.3	14.5	16.1
127.5°	0.5	0.5	1.1	2.1	3.2	5.4	7.5	9.6	11.3	12.9	13.9
130°	0.5	0.5	1.1	1.6	2.7	4.3	6.4	8.0	10.2	11.3	12.3
132.5°	0.5	0.5	0.5	1.6	2.1	3.2	4.8	7.0	8.6	10.2	10.7
135°	0.5	0.5	0.5	1.1	2.1	2.7	3.8	5.4	7.0	8.6	9.6
137.5°	0.5	0.5	0.5	1.1	1.6	2.7	3.2	4.3	5.9	7.0	8.6
140°	0.5	0.5	0.5	1.1	1.6	2.1	2.7	3.8	4.8	5.9	7.0
142.5°	0.5	0.5	0.5	1.1	1.1	1.6	2.1	3.2	3.8	4.8	5.9
145°	0.5	0.5	0.5	1.1	1.1	1.6	2.1	2.7	3.2	3.8	4.8
147.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.6	2.1	2.7	3.2	3.8
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	2.1	2.7	3.2
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	2.1	2.7
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	2.1	2.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8
2.5°	1028.7	1029.7	1036.2	1035.6	1034.6	1033.5	1033.5	1032.4	1033.5	1036.2	1035.1
5°	1023.3	1024.9	1029.7	1029.2	1028.1	1027.6	1027.1	1025.5	1026.5	1030.3	1029.2
7.5°	1013.7	1015.3	1019.6	1017.4	1015.8	1016.9	1014.2	1012.6	1014.7	1018.5	1017.9
10°	1003.5	1004.5	1009.9	1008.8	1006.2	1006.7	1004.0	1002.9	1005.6	1007.8	1008.3
12.5°	996.5	1000.3	1005.1	1004.5	1004.0	1004.5	1001.9	1000.8	1002.4	1004.5	1004.0
15°	994.9	999.7	1005.1	1005.1	1005.6	1006.2	1003.5	1001.9	1003.5	1005.1	1004.5
17.5°	993.3	999.2	1004.0	1003.5	1004.0	1005.1	1000.8	999.7	1001.9	1004.0	1002.9
20°	987.9	993.3	996.5	995.4	995.4	996.0	990.6	990.6	993.8	995.4	996.0
22.5°	972.9	979.4	979.4	976.7	976.7	974.5	972.9	969.7	973.5	976.1	978.3
25°	950.4	953.1	949.9	944.0	940.8	938.1	930.6	937.0	937.0	945.0	947.7
27.5°	918.8	912.9	903.8	891.4	888.8	880.2	875.4	877.0	879.6	890.9	899.5
30°	866.8	849.1	833.5	828.2	816.4	807.8	799.2	803.5	808.4	814.8	832.5
32.5°	798.2	781.0	755.8	746.7	734.4	723.7	713.5	719.9	728.5	732.8	752.1
35°	719.4	699.0	676.0	660.4	647.5	641.6	628.8	637.9	647.0	650.2	666.8
37.5°	635.7	614.8	594.5	581.1	568.7	565.0	556.4	562.8	569.8	574.6	588.6
40°	556.4	537.1	521.6	512.5	503.9	500.7	497.4	500.1	505.5	509.2	520.0
42.5°	488.3	472.8	462.1	456.7	450.8	446.5	447.1	448.1	450.8	458.9	463.7
45°	428.8	419.7	412.8	411.7	407.9	407.4	406.9	409.0	410.6	415.4	419.2
47.5°	381.1	377.4	375.8	377.9	379.5	377.4	378.4	381.1	384.3	384.3	383.8
50°	343.6	344.7	346.8	351.6	354.9	355.9	357.0	360.2	360.8	361.8	360.2
52.5°	313.0	314.1	320.0	327.5	331.3	332.9	335.0	338.2	338.2	339.3	337.2
55°	282.0	283.6	289.5	297.0	300.2	302.3	304.5	306.6	308.2	310.4	308.8
57.5°	247.7	252.5	256.2	258.4	260.5	262.1	263.7	264.3	267.5	268.0	270.7
60°	211.2	212.3	216.0	215.5	213.9	218.2	216.0	219.8	223.5	228.4	228.9
62.5°	176.4	176.9	179.6	178.5	180.6	180.1	181.7	181.7	184.4	186.5	189.2
65°	149.0	149.6	151.7	151.7	151.2	152.8	154.4	155.5	155.5	157.1	159.2
67.5°	128.7	130.3	132.4	133.5	134.5	134.5	136.2	136.7	137.8	138.3	139.4
70°	114.7	116.9	119.0	120.1	120.6	121.7	122.2	122.2	123.3	123.8	124.9
72.5°	104.5	106.7	108.3	108.3	109.4	109.9	109.9	110.4	111.0	112.0	113.1
75°	96.0	97.6	98.6	98.1	98.1	98.1	98.6	98.6	99.7	100.8	101.8
77.5°	87.9	89.5	89.5	88.4	88.4	88.4	88.4	89.0	89.5	90.6	91.7
80°	82.0	82.0	81.5	81.5	80.4	79.9	79.9	80.4	80.4	81.5	83.1
82.5°	75.6	75.6	75.0	74.5	74.0	73.4	73.4	74.0	74.5	75.0	76.1
85°	69.7	69.7	68.6	68.6	68.1	68.1	68.1	68.1	68.6	69.1	70.2
87.5°	63.8	63.3	62.7	62.2	62.2	62.2	62.2	62.2	62.7	63.8	64.3
90°	57.9	57.4	56.8	56.8	56.3	56.3	56.8	56.8	57.4	57.9	58.4
92.5°	52.5	52.0	51.5	51.5	50.9	50.9	51.5	50.9	52.0	52.0	52.5
95°	47.7	47.2	46.6	46.6	46.6	46.6	46.6	46.6	47.2	47.2	47.7
97.5°	43.4	42.9	42.3	42.3	42.9	42.3	42.9	42.9	42.9	43.4	44.0
100°	39.7	39.1	39.1	39.7	39.1	39.1	39.7	39.7	39.7	39.7	40.2
102.5°	36.5	36.5	36.5	36.5	36.5	36.5	37.0	37.0	37.0	37.0	37.5
105°	33.2	33.8	33.8	33.8	34.3	34.3	34.3	34.8	34.8	34.8	34.8
107.5°	31.1	31.6	31.6	32.2	32.2	32.7	32.7	32.7	32.7	33.2	33.2
110°	28.9	29.5	30.0	30.6	30.6	31.1	31.1	31.1	31.1	31.1	31.1

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	26.8	27.3	27.9	28.9	29.5	29.5	29.5	29.5	30.0	30.0	29.5
115°	24.7	25.7	26.3	27.3	27.9	27.9	28.4	28.4	28.4	28.4	27.9
117.5°	22.5	24.1	24.7	25.7	26.3	26.3	26.8	26.8	26.8	26.8	26.3
120°	20.9	22.0	23.0	23.6	24.1	24.7	24.7	25.2	25.2	25.2	24.7
122.5°	19.3	20.4	21.4	22.0	22.5	23.0	23.0	23.0	23.0	23.0	23.0
125°	17.2	18.2	19.3	19.8	20.4	20.9	20.9	21.4	21.4	21.4	20.9
127.5°	15.5	16.6	17.2	18.2	18.8	18.8	19.3	19.3	19.3	19.3	18.8
130°	13.4	14.5	15.5	16.1	16.6	16.6	17.2	17.2	17.2	17.2	17.2
132.5°	11.8	12.9	13.4	14.5	14.5	15.0	15.0	15.5	15.5	15.5	15.0
135°	10.7	11.3	11.8	12.9	12.9	13.4	13.4	13.4	13.4	13.4	13.4
137.5°	9.6	10.2	10.7	11.3	11.3	11.8	11.8	11.8	11.8	12.3	11.8
140°	8.0	9.1	9.6	9.6	10.2	10.2	10.2	10.7	10.7	10.7	10.2
142.5°	7.0	7.5	8.0	8.6	9.1	9.1	9.1	9.1	9.6	9.1	9.1
145°	5.4	6.4	7.0	7.5	8.0	8.0	8.0	8.0	8.0	8.0	8.0
147.5°	4.3	4.8	5.9	6.4	6.4	7.0	7.0	7.0	7.0	7.0	7.0
150°	3.8	3.8	4.8	5.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9
152.5°	2.7	3.2	3.8	4.3	4.8	4.8	4.8	4.8	4.8	4.8	4.8
155°	2.7	2.7	3.2	3.2	3.8	3.8	3.8	3.8	4.3	3.8	3.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8
2.5°	1033.5	1033.0	1035.1	1033.0	1022.2	1026.5	1024.9	1030.8	1031.3	1033.0	1038.3
5°	1028.1	1028.1	1030.8	1028.7	1018.5	1022.8	1022.2	1028.1	1029.2	1030.3	1036.2
7.5°	1017.4	1017.9	1021.7	1020.1	1009.4	1015.8	1015.3	1022.2	1024.4	1026.5	1031.9
10°	1007.2	1006.7	1011.0	1009.4	999.2	1006.7	1006.2	1013.1	1016.3	1020.1	1026.5
12.5°	1001.9	1000.3	1001.9	1000.3	989.0	994.9	995.4	1003.5	1007.2	1012.1	1019.6
15°	1001.9	999.2	999.2	996.0	983.1	986.9	987.4	992.8	997.6	1002.4	1011.5
17.5°	1000.8	998.1	997.6	994.9	981.0	981.0	980.4	984.2	986.9	991.7	1001.3
20°	994.9	993.8	993.3	991.7	978.8	976.7	975.6	975.6	977.2	978.8	988.5
22.5°	979.4	980.4	981.5	982.6	972.4	968.6	969.2	968.1	966.5	966.5	974.5
25°	950.4	955.8	960.1	964.9	959.0	956.3	959.5	957.9	955.2	953.1	960.1
27.5°	904.3	915.6	924.7	936.5	937.0	934.9	943.4	942.4	941.8	938.6	944.0
30°	840.5	858.2	870.5	887.7	902.2	904.3	918.8	920.9	923.1	921.5	926.8
32.5°	763.3	787.4	808.4	835.2	849.1	861.4	881.8	890.4	898.9	901.6	907.5
35°	679.2	706.5	731.2	760.6	782.6	809.4	834.1	846.9	866.2	873.8	882.3
37.5°	599.3	625.0	649.1	678.6	714.0	741.9	772.4	801.4	827.7	838.4	851.2
40°	528.5	549.4	572.5	598.2	630.4	666.8	700.1	740.3	771.4	792.8	811.6
42.5°	474.9	485.1	505.0	528.0	553.7	590.7	624.5	669.5	707.0	737.6	768.7
45°	427.2	432.1	446.5	458.9	485.1	517.8	553.7	597.7	636.8	676.0	713.5
47.5°	386.5	392.4	399.4	406.9	425.6	453.0	484.0	523.7	562.8	608.4	651.3
50°	359.1	360.8	361.8	365.0	376.3	395.1	420.3	454.0	491.6	540.3	585.9
52.5°	335.0	335.0	331.8	330.2	334.5	346.3	360.8	384.9	423.5	468.5	516.7
55°	309.3	304.5	303.4	298.0	299.1	304.5	311.4	330.2	361.8	400.4	447.1
57.5°	273.4	271.2	271.2	269.1	264.8	267.5	269.1	282.5	305.0	338.2	379.0
60°	232.1	231.0	233.7	234.3	230.5	232.1	231.6	239.6	255.7	282.5	316.3
62.5°	190.8	195.7	196.2	198.3	196.2	195.7	198.3	205.3	213.3	233.7	260.0
65°	160.3	163.0	163.5	166.2	165.1	165.1	167.2	172.6	177.4	191.4	211.7
67.5°	140.4	139.4	139.9	141.5	139.9	139.4	141.0	144.2	147.9	156.5	171.0
70°	124.9	123.8	123.8	123.8	121.7	120.1	120.6	121.7	123.3	128.1	137.2
72.5°	113.1	113.1	111.5	109.9	108.3	107.2	106.1	105.1	104.5	106.1	111.0
75°	102.4	102.9	102.4	100.8	98.6	96.5	94.3	92.2	89.5	88.4	89.0
77.5°	92.7	93.3	93.8	93.3	91.1	88.4	85.2	82.0	78.3	74.5	72.4
80°	84.2	85.2	85.8	85.2	83.6	81.5	77.7	74.0	68.6	63.8	58.4
82.5°	76.7	78.3	78.8	78.8	77.7	75.6	71.3	67.0	61.1	54.7	47.7
85°	70.8	71.8	72.9	72.9	72.4	70.2	65.9	61.1	55.2	47.7	40.2
87.5°	64.9	65.4	66.5	67.5	66.5	64.3	60.6	55.2	49.3	41.8	33.2
90°	59.0	59.5	60.6	61.6	61.1	59.0	55.7	50.9	44.5	36.5	27.9
92.5°	53.1	54.1	54.7	55.2	55.7	54.1	51.5	46.6	40.2	32.2	24.1
95°	48.8	48.8	49.9	50.4	50.9	49.3	47.2	42.3	36.5	28.9	20.9
97.5°	44.5	44.5	45.6	45.6	46.1	45.0	42.9	38.6	32.7	25.7	17.7
100°	40.2	40.7	41.3	41.8	41.8	41.3	39.1	34.8	29.5	23.0	15.5
102.5°	37.5	37.5	38.1	38.1	38.6	37.5	35.4	31.6	26.3	20.4	13.4
105°	34.8	34.8	35.4	35.4	34.8	33.8	31.6	28.4	23.6	17.7	11.8
107.5°	32.7	32.7	32.7	32.7	32.2	31.1	28.9	25.2	20.9	16.1	10.7
110°	31.1	30.6	30.6	30.0	29.5	27.9	25.7	22.5	18.8	13.9	9.1

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	29.5	28.9	28.4	27.9	26.8	25.2	23.0	20.4	16.6	12.3	8.0
115°	27.9	27.3	26.8	25.7	24.7	23.0	20.9	18.2	14.5	10.7	7.0
117.5°	26.3	25.7	24.7	23.6	22.5	20.9	18.8	16.1	12.9	9.6	6.4
120°	24.1	23.6	23.0	22.0	20.9	18.8	16.6	14.5	11.3	8.6	5.4
122.5°	22.5	22.0	20.9	20.4	18.8	17.2	15.0	12.9	10.2	7.5	4.8
125°	20.4	19.8	19.3	18.2	17.2	15.0	13.4	11.3	9.1	6.4	3.8
127.5°	18.8	18.2	17.2	16.1	15.0	13.4	11.8	10.2	8.0	5.4	3.8
130°	16.6	16.1	15.5	14.5	13.4	11.8	10.7	8.6	7.0	4.8	3.2
132.5°	14.5	14.5	13.9	12.9	11.8	10.7	9.1	7.5	5.9	4.3	2.7
135°	13.4	12.9	12.3	11.3	10.7	9.1	8.0	6.4	4.8	3.8	2.1
137.5°	11.8	11.3	10.7	10.2	9.1	8.0	7.0	5.4	4.3	3.2	2.1
140°	10.2	9.6	9.6	8.6	8.0	7.0	5.9	4.8	3.8	2.7	1.6
142.5°	9.1	8.6	8.0	7.5	7.0	5.9	4.8	3.8	3.2	2.1	1.6
145°	8.0	7.5	7.0	6.4	5.9	4.8	4.3	3.2	2.7	2.1	1.6
147.5°	6.4	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.1	1.6	1.1
150°	5.4	5.4	4.8	4.3	4.3	3.8	3.2	2.7	2.1	1.6	1.1
152.5°	4.8	4.3	4.3	3.8	3.8	3.2	2.7	2.1	1.6	1.6	1.1
155°	3.8	3.8	3.8	3.2	3.2	2.7	2.1	2.1	1.6	1.1	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8
2.5°	1039.4	1033.0	1038.3	1048.0	1046.9	1045.8	1044.7	1046.9	1053.9	1050.1	1044.2
5°	1037.8	1031.3	1037.2	1046.4	1045.8	1044.2	1043.1	1045.3	1052.3	1048.5	1042.1
7.5°	1034.6	1028.7	1033.0	1042.1	1042.1	1041.0	1039.9	1042.1	1048.5	1045.3	1038.9
10°	1029.2	1024.9	1029.2	1037.8	1038.3	1036.2	1035.1	1037.8	1044.2	1042.6	1037.2
12.5°	1024.9	1020.6	1025.5	1034.0	1034.6	1032.4	1030.8	1034.0	1042.6	1043.7	1042.1
15°	1019.0	1015.3	1021.2	1030.3	1030.3	1028.7	1028.7	1033.0	1044.7	1049.6	1052.3
17.5°	1010.4	1007.8	1014.7	1023.8	1024.4	1023.3	1023.8	1032.4	1048.0	1059.8	1067.3
20°	999.7	998.6	1006.2	1015.8	1017.4	1017.9	1020.6	1033.5	1054.9	1071.0	1078.5
22.5°	986.9	987.4	996.0	1006.2	1008.3	1009.9	1015.3	1033.5	1060.3	1077.4	1080.7
25°	972.4	974.0	983.1	995.4	998.1	1001.3	1010.4	1034.0	1061.9	1073.2	1067.8
27.5°	956.8	960.1	971.8	984.7	987.9	993.3	1005.1	1030.8	1054.4	1054.9	1035.1
30°	940.8	944.5	958.4	973.5	978.8	984.2	998.6	1023.3	1036.2	1019.0	984.2
32.5°	922.5	927.9	941.8	960.1	966.5	973.5	987.9	1008.8	1004.0	967.0	917.2
35°	899.5	907.0	923.1	944.5	950.4	959.5	969.7	974.5	953.1	900.6	844.3
37.5°	871.1	882.3	901.1	925.7	932.2	938.1	940.8	927.4	884.5	827.7	769.2
40°	838.4	855.5	875.9	903.2	909.7	909.7	900.0	871.6	817.5	743.0	678.1
42.5°	798.7	819.6	845.3	872.7	879.1	871.6	848.6	798.7	737.1	654.0	585.4
45°	750.5	778.3	807.3	835.7	838.9	822.3	781.0	717.8	641.6	564.5	499.1
47.5°	693.1	729.6	761.2	793.3	789.1	761.2	706.0	634.1	553.7	480.8	428.3
50°	628.8	671.7	707.0	737.6	728.5	689.9	625.0	550.0	470.1	407.9	364.5
52.5°	560.2	609.5	644.9	669.5	657.2	611.1	539.8	468.0	402.6	345.7	316.8
55°	488.9	538.7	575.2	594.5	578.4	528.5	458.3	392.9	331.3	294.3	277.1
57.5°	419.7	466.4	500.7	516.2	495.8	446.0	381.1	325.9	281.4	250.3	241.8
60°	353.3	391.3	424.0	435.8	413.8	367.7	312.0	268.0	235.3	213.9	209.6
62.5°	291.6	322.7	348.4	357.5	336.1	300.2	251.9	219.2	196.2	185.5	180.1
65°	240.7	258.9	285.2	283.6	270.7	237.5	202.1	179.0	164.0	157.1	153.8
67.5°	189.2	205.8	222.5	224.6	208.5	185.5	162.4	145.8	137.8	134.0	132.4
70°	146.3	158.7	168.9	166.2	157.6	143.1	128.7	119.5	116.3	114.7	114.7
72.5°	113.6	120.1	124.9	121.7	116.3	108.8	101.8	98.1	98.6	99.7	100.8
75°	87.9	89.5	90.6	87.4	86.3	81.5	80.9	81.5	84.7	87.9	89.5
77.5°	67.5	65.4	63.8	60.6	61.1	60.6	63.3	67.5	72.4	77.2	81.5
80°	52.0	47.2	43.4	40.2	41.8	44.5	49.9	56.3	62.7	68.1	73.4
82.5°	40.2	33.2	27.9	24.7	27.9	32.2	39.1	47.2	54.7	60.6	66.5
85°	31.1	23.0	16.6	13.4	16.6	23.0	30.6	39.7	47.7	54.1	60.0
87.5°	24.1	16.6	9.1	5.4	9.1	16.1	24.7	33.2	41.3	48.8	54.7
90°	19.3	11.3	4.3	1.1	4.8	11.3	19.3	27.9	35.9	44.0	49.9
92.5°	15.5	8.0	2.1	0.0	2.7	8.6	16.1	24.1	32.2	39.7	45.6
95°	12.9	6.4	1.6	0.0	2.1	6.4	12.9	20.9	28.4	35.9	40.7
97.5°	10.7	4.8	1.1	0.0	1.1	5.4	10.7	17.7	25.2	32.2	37.0
100°	9.1	4.3	1.1	0.0	1.1	4.3	9.1	15.5	22.0	28.4	33.2
102.5°	7.5	3.2	0.5	0.5	0.5	3.2	8.0	13.4	19.3	25.2	30.0
105°	7.0	2.7	0.5	0.5	0.5	2.7	7.0	11.8	17.2	22.5	26.8
107.5°	5.9	2.1	0.5	0.5	0.5	2.1	5.9	10.2	15.5	20.4	24.1
110°	4.8	2.1	0.5	0.5	0.5	2.1	4.8	9.1	13.4	17.7	21.4

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	4.3	1.6	0.5	0.5	0.5	1.6	4.3	8.0	11.8	16.1	19.3
115°	3.8	1.6	0.5	0.5	0.5	1.6	3.8	7.0	10.2	13.9	17.2
117.5°	3.2	1.6	0.5	0.5	0.5	1.1	3.2	5.9	9.1	12.3	15.5
120°	2.7	1.1	0.5	0.5	0.5	1.1	2.7	5.4	8.0	10.7	13.4
122.5°	2.7	1.1	0.5	0.5	0.5	1.1	2.1	4.3	7.0	9.1	11.8
125°	2.1	1.1	0.5	0.5	0.5	0.5	2.1	3.8	5.9	8.0	10.2
127.5°	2.1	1.1	0.5	0.5	0.5	0.5	1.6	3.2	4.8	7.0	9.1
130°	1.6	1.1	0.5	0.5	0.5	0.5	1.1	2.7	4.3	5.9	7.5
132.5°	1.6	1.1	0.5	0.5	0.5	0.5	1.1	2.1	3.2	4.8	6.4
135°	1.6	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.7	3.8	4.8
137.5°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	2.1	2.7	4.3
140°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6	2.1	3.2
142.5°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6	2.7
145°	1.1	0.5	0.5	1.1	1.1	0.5	0.5	1.1	1.1	1.6	2.1
147.5°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.6
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8
2.5°	1043.1	1030.8	1037.2	1035.1	1037.2	1042.6	1042.1	1040.5	1041.5	1038.9	1036.2
5°	1041.0	1028.7	1035.1	1032.4	1035.1	1040.5	1039.4	1037.8	1039.4	1036.2	1033.5
7.5°	1038.3	1027.1	1034.6	1034.0	1038.9	1045.8	1046.4	1046.4	1050.1	1045.3	1043.1
10°	1038.3	1032.4	1042.6	1046.4	1058.7	1067.8	1068.9	1071.0	1077.4	1076.4	1071.0
12.5°	1049.6	1048.5	1063.5	1072.6	1083.9	1096.7	1103.7	1105.9	1110.1	1106.9	1104.8
15°	1064.0	1069.4	1086.0	1096.2	1108.5	1118.2	1119.8	1120.9	1124.1	1119.3	1115.5
17.5°	1083.3	1086.6	1100.0	1104.2	1112.3	1113.9	1111.8	1106.4	1106.4	1095.7	1092.5
20°	1092.5	1090.8	1096.2	1089.2	1086.0	1076.4	1067.3	1057.1	1056.5	1045.3	1044.2
22.5°	1084.4	1073.7	1062.4	1045.3	1037.8	1023.8	1011.5	1005.6	1001.9	987.4	983.6
25°	1056.0	1029.7	1013.1	992.8	974.5	958.4	946.7	934.3	922.5	910.7	905.4
27.5°	1006.7	982.0	955.2	926.8	901.6	877.0	857.1	844.8	833.5	818.0	810.0
30°	946.1	911.8	882.3	855.0	813.7	783.7	767.1	742.4	733.8	726.9	711.9
32.5°	874.8	833.5	793.3	756.4	714.0	686.1	664.2	645.9	640.6	622.3	618.1
35°	796.0	741.9	696.3	659.9	629.3	595.5	577.3	565.0	554.3	541.9	539.8
37.5°	703.3	654.5	603.0	570.9	546.8	517.8	503.9	495.3	490.5	481.4	479.8
40°	610.0	561.2	525.9	493.7	478.7	463.1	453.0	449.2	447.1	443.8	440.6
42.5°	525.3	482.4	457.2	435.8	429.4	421.9	419.2	421.3	419.2	418.1	417.6
45°	453.5	420.8	403.1	396.7	395.1	392.9	395.1	398.8	399.4	398.3	398.3
47.5°	388.1	372.6	365.0	366.1	368.8	370.4	374.2	379.0	380.1	377.4	378.4
50°	345.2	336.1	334.5	338.8	344.7	346.8	351.1	354.9	354.3	353.3	352.2
52.5°	305.0	302.3	306.6	310.9	317.3	318.4	320.0	321.6	321.1	318.9	317.9
55°	271.2	273.4	277.1	278.7	283.6	283.0	283.6	283.6	281.4	280.4	278.7
57.5°	240.7	241.2	243.4	243.9	246.6	245.5	245.0	243.9	240.7	240.1	238.5
60°	209.6	208.5	213.3	209.6	211.7	209.6	209.1	206.4	203.2	202.6	201.6
62.5°	180.1	178.0	181.2	179.6	180.6	178.5	177.4	174.2	171.5	171.0	170.5
65°	153.8	152.8	156.0	155.5	156.5	153.8	152.8	150.6	148.5	147.9	147.4
67.5°	131.9	134.5	136.2	136.2	137.2	136.7	134.0	133.5	132.9	130.8	130.8
70°	115.8	117.4	120.6	121.1	120.6	121.7	119.5	119.0	118.5	117.4	116.9
72.5°	102.9	105.1	108.3	108.8	108.3	108.3	107.2	106.7	106.7	105.1	105.1
75°	92.7	95.4	98.1	98.1	98.1	97.0	96.0	96.0	94.9	94.3	93.3
77.5°	84.2	87.4	89.5	89.0	88.4	87.4	87.4	85.8	84.2	84.2	83.1
80°	77.7	79.9	81.5	80.9	80.4	78.8	78.3	76.7	75.6	74.0	74.0
82.5°	70.8	73.4	74.5	74.0	72.9	71.3	70.8	69.7	68.6	68.1	67.0
85°	64.9	67.5	68.1	67.0	65.9	64.9	64.3	63.8	63.3	62.2	62.2
87.5°	59.0	61.6	61.6	61.1	60.0	59.5	59.0	58.4	57.9	57.4	56.8
90°	54.1	56.3	56.3	55.7	55.2	54.7	54.1	53.6	53.1	52.5	52.5
92.5°	49.3	51.5	51.5	50.9	50.4	49.9	49.9	49.3	48.8	48.2	47.7
95°	45.0	47.2	47.2	47.2	46.6	46.1	46.1	45.6	45.0	45.0	44.5
97.5°	40.7	42.9	42.9	42.9	42.3	41.8	41.8	41.3	41.3	41.3	40.7
100°	37.0	38.6	39.1	39.1	38.6	38.6	38.6	38.1	38.1	38.1	37.5
102.5°	33.2	34.8	35.9	35.9	35.9	35.4	35.4	35.4	35.4	35.4	34.8
105°	30.0	31.6	32.7	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
107.5°	27.3	28.9	30.0	30.6	31.1	31.1	31.6	31.6	31.6	31.6	31.6
110°	24.7	26.3	27.9	28.4	28.9	29.5	29.5	30.0	29.5	29.5	29.5

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	22.0	24.1	25.2	26.3	26.8	27.3	27.9	27.9	27.9	27.9	27.9
115°	19.8	22.0	23.0	24.1	25.2	25.7	25.7	26.3	26.3	26.3	25.7
117.5°	17.7	19.8	20.9	22.0	22.5	23.6	24.1	24.1	24.1	24.1	23.6
120°	16.1	17.7	18.8	19.8	20.9	21.4	22.0	22.0	22.0	22.0	22.0
122.5°	13.9	15.5	17.2	18.2	18.8	19.3	19.8	19.8	19.8	19.8	19.8
125°	12.3	13.9	15.0	16.1	16.6	17.7	17.7	17.7	17.7	17.7	17.7
127.5°	10.7	12.3	13.4	14.5	15.0	15.5	16.1	16.1	16.1	16.1	16.1
130°	9.1	10.7	11.8	12.9	13.4	13.9	13.9	14.5	14.5	14.5	14.5
132.5°	8.0	9.1	10.2	11.3	11.8	12.3	12.3	12.9	12.9	12.9	12.9
135°	6.4	8.0	8.6	9.6	10.2	10.7	10.7	11.3	11.3	11.3	11.3
137.5°	5.4	6.4	7.5	8.6	9.1	9.1	9.6	9.6	10.2	10.2	10.2
140°	4.3	4.8	6.4	7.0	7.5	8.0	8.6	8.6	8.6	8.6	8.6
142.5°	3.2	4.3	4.8	5.9	6.4	7.0	7.5	7.5	7.5	7.5	7.5
145°	2.7	3.2	3.8	4.8	5.4	5.9	6.4	6.4	6.4	6.4	6.4
147.5°	2.1	2.7	3.2	3.8	4.3	4.8	5.4	5.4	5.4	5.4	5.4
150°	1.6	2.1	2.7	2.7	3.2	3.8	4.3	4.8	4.8	4.8	4.8
152.5°	1.6	1.6	2.1	2.1	2.7	3.2	3.8	3.8	3.8	3.8	3.8
155°	1.1	1.6	1.6	1.6	2.1	2.1	2.7	3.2	3.2	3.2	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8
2.5°	1037.8	1039.9	1038.9	1037.2	1036.7	1039.4	1036.7	1024.4	1029.2	1029.7	1033.5
5°	1036.2	1037.8	1036.7	1035.6	1034.0	1037.2	1034.0	1021.2	1026.0	1026.5	1030.3
7.5°	1046.9	1047.4	1047.4	1044.7	1040.5	1042.1	1037.8	1023.3	1026.0	1026.0	1028.7
10°	1073.7	1074.8	1076.4	1069.4	1064.0	1059.8	1053.9	1036.2	1035.6	1031.3	1031.3
12.5°	1108.5	1105.9	1103.2	1100.0	1095.7	1090.3	1081.7	1060.8	1053.9	1046.9	1039.9
15°	1118.7	1117.7	1117.1	1115.5	1112.8	1111.2	1104.8	1083.9	1073.7	1065.1	1052.8
17.5°	1091.9	1094.1	1101.0	1101.6	1104.8	1111.2	1110.1	1095.7	1086.6	1082.8	1067.8
20°	1043.7	1044.2	1052.8	1056.5	1070.5	1081.2	1089.2	1087.6	1085.5	1089.8	1078.5
22.5°	985.8	989.5	998.6	1004.5	1017.9	1030.3	1043.1	1050.1	1061.4	1079.1	1076.9
25°	907.0	911.8	924.7	934.3	953.1	971.8	989.0	1001.3	1014.7	1048.5	1059.8
27.5°	812.6	820.1	836.8	846.4	872.7	892.0	916.6	940.8	959.5	998.1	1021.2
30°	713.5	719.9	737.6	751.0	773.5	799.8	830.9	865.2	896.3	935.4	964.3
32.5°	620.7	627.7	642.2	654.0	679.2	701.1	735.5	777.8	806.7	860.9	899.5
35°	539.8	546.2	556.4	566.6	587.5	610.0	639.5	680.8	717.8	774.0	822.8
37.5°	483.0	484.0	489.9	495.8	511.4	528.5	551.6	588.0	622.3	682.9	736.5
40°	442.2	442.2	445.5	447.1	454.0	464.2	478.7	507.1	535.5	581.6	647.0
42.5°	417.0	416.0	416.0	416.5	416.0	420.8	429.4	442.8	468.0	506.0	556.9
45°	398.3	396.1	394.5	390.8	388.6	388.6	389.2	394.0	408.5	433.1	474.4
47.5°	377.4	376.8	374.2	369.9	366.1	363.4	359.1	357.5	361.8	375.8	403.6
50°	353.3	350.6	347.9	344.7	340.4	337.7	329.7	330.2	326.5	332.9	347.4
52.5°	317.9	315.7	314.7	312.0	310.4	309.3	302.9	296.4	294.8	295.9	301.3
55°	278.7	279.8	275.5	277.7	277.1	272.3	269.6	264.8	263.2	262.7	265.3
57.5°	238.0	239.1	236.4	238.5	238.5	235.9	234.3	234.3	230.5	227.3	231.0
60°	201.0	198.9	200.5	203.2	203.2	201.6	200.5	200.5	197.8	196.7	199.4
62.5°	171.0	168.9	170.5	173.1	173.7	172.6	171.5	171.5	168.3	168.3	170.5
65°	147.9	148.5	147.9	150.1	150.1	150.6	149.6	148.5	144.7	146.3	145.8
67.5°	131.3	130.8	130.8	132.9	132.4	133.5	132.4	130.8	128.1	126.0	125.4
70°	117.4	116.9	116.9	117.9	118.5	118.5	117.9	116.9	113.1	111.0	109.4
72.5°	105.1	104.5	105.1	105.6	106.1	106.7	106.1	105.1	101.8	99.2	96.5
75°	93.8	93.3	94.9	94.9	95.4	95.4	96.0	95.4	92.7	89.5	86.3
77.5°	82.6	83.1	84.7	85.2	86.3	86.8	87.4	87.4	84.7	82.0	77.7
80°	73.4	74.5	75.6	76.1	77.2	78.8	79.3	79.9	77.7	75.0	70.2
82.5°	67.0	67.5	68.6	69.1	70.8	71.3	71.8	72.9	71.8	69.1	63.8
85°	61.6	62.2	63.3	63.3	64.3	65.4	65.9	66.5	65.9	63.3	57.9
87.5°	56.8	57.4	57.9	58.4	59.0	59.5	60.0	60.6	60.0	57.4	52.5
90°	52.5	52.5	53.1	53.1	53.6	54.1	55.2	55.2	54.7	52.5	47.7
92.5°	47.7	48.2	48.2	48.8	49.3	49.9	50.4	50.4	49.9	47.7	43.4
95°	44.5	44.5	45.0	45.0	45.6	45.6	46.1	46.1	45.6	43.4	39.1
97.5°	40.7	40.7	40.7	40.7	41.3	41.3	41.8	41.8	41.3	39.1	35.4
100°	37.5	37.5	37.5	37.5	37.5	38.1	38.1	38.1	37.5	35.4	31.6
102.5°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	33.8	32.2	28.4
105°	33.2	33.2	33.2	32.7	32.7	32.7	32.2	32.2	30.6	28.9	25.7
107.5°	31.1	31.1	31.1	30.6	30.6	30.0	29.5	29.5	27.9	26.3	23.0
110°	29.5	29.5	29.5	28.9	28.4	27.9	27.3	26.8	25.2	23.0	20.4

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	27.9	27.9	27.3	27.3	26.8	26.3	25.2	24.7	23.0	20.9	18.2
115°	25.7	25.7	25.7	25.2	24.7	24.1	23.6	22.5	20.9	18.8	16.1
117.5°	23.6	23.6	23.6	23.0	22.5	22.0	21.4	20.4	18.8	16.6	14.5
120°	21.4	21.4	21.4	20.9	20.4	19.8	19.3	18.2	16.6	15.0	12.3
122.5°	19.8	19.8	19.3	18.8	18.2	17.7	17.2	16.1	15.0	12.9	10.7
125°	17.7	17.7	17.2	17.2	16.6	16.1	15.5	14.5	12.9	11.3	9.6
127.5°	16.1	15.5	15.5	15.5	15.0	14.5	13.4	12.9	11.3	9.6	8.0
130°	13.9	13.9	13.9	13.4	13.4	12.9	11.8	10.7	9.6	8.6	7.0
132.5°	12.3	12.3	12.3	12.3	11.8	11.3	10.2	9.6	8.6	7.0	5.9
135°	11.3	11.3	10.7	10.7	10.2	9.6	9.1	8.0	7.0	5.9	4.8
137.5°	9.6	9.6	9.6	9.1	9.1	8.6	7.5	7.0	6.4	5.4	4.3
140°	8.6	8.6	8.0	8.0	7.5	7.5	7.0	5.9	5.4	4.3	3.8
142.5°	7.5	7.5	7.0	7.0	6.4	6.4	5.9	5.4	4.3	3.8	2.7
145°	6.4	6.4	5.9	5.9	5.9	5.4	4.8	4.3	3.8	3.2	2.7
147.5°	5.4	5.4	5.4	4.8	4.8	4.3	4.3	3.8	3.2	2.7	2.1
150°	4.8	4.8	4.3	4.3	4.3	3.8	3.2	3.2	2.7	2.1	1.6
152.5°	3.8	3.8	3.8	3.8	3.2	3.2	2.7	2.7	2.1	1.6	1.6
155°	3.2	3.2	3.2	2.7	2.7	2.7	2.1	2.1	1.6	1.6	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8	1037.8
2.5°	1031.9	1031.3	1036.2	1035.6	1029.2	1038.9	1045.3
5°	1029.2	1028.7	1033.0	1034.0	1027.1	1037.2	1044.2
7.5°	1027.1	1026.5	1031.3	1033.0	1026.0	1035.1	1042.6
10°	1027.6	1024.9	1029.2	1030.3	1023.8	1033.5	1039.9
12.5°	1031.3	1024.9	1026.5	1026.5	1020.6	1029.2	1036.2
15°	1040.5	1027.1	1024.9	1023.3	1015.8	1023.8	1030.8
17.5°	1050.6	1032.4	1024.9	1019.6	1010.4	1017.4	1024.9
20°	1060.8	1038.3	1026.0	1017.4	1005.1	1011.5	1016.9
22.5°	1065.7	1043.7	1027.1	1014.2	998.6	1001.9	1007.8
25°	1059.2	1041.5	1024.9	1009.4	990.6	991.1	996.0
27.5°	1035.6	1030.8	1020.1	1004.5	984.2	981.5	985.2
30°	995.4	1008.8	1009.4	998.1	976.7	971.3	972.9
32.5°	939.1	969.2	986.9	984.7	966.0	958.4	959.5
35°	874.3	911.8	950.4	963.3	949.9	944.0	941.8
37.5°	796.6	846.9	898.4	930.0	927.9	924.1	922.0
40°	710.8	771.4	832.5	882.9	898.4	898.4	899.5
42.5°	619.1	689.9	756.9	820.7	857.1	865.2	868.4
45°	530.7	602.0	674.9	748.3	797.1	822.3	831.4
47.5°	450.3	522.1	591.3	671.7	736.5	769.2	783.7
50°	381.7	435.3	508.2	588.0	658.8	699.0	727.4
52.5°	324.8	366.7	430.4	505.0	576.2	631.5	657.7
55°	277.1	305.5	359.7	424.0	492.1	549.4	580.0
57.5°	236.9	259.4	296.4	350.0	407.4	464.2	496.9
60°	201.6	217.1	242.3	284.6	333.4	382.2	413.8
62.5°	171.0	181.2	197.8	228.9	266.9	305.0	334.5
65°	147.4	151.7	160.8	180.1	209.1	238.0	263.2
67.5°	124.4	127.0	134.0	145.8	160.3	181.2	197.8
70°	107.2	107.2	107.7	114.7	122.2	135.6	147.4
72.5°	93.3	91.7	88.4	90.1	91.7	99.2	106.7
75°	82.0	78.3	72.9	70.8	69.7	70.8	75.0
77.5°	72.4	67.0	60.6	55.2	50.9	49.3	53.1
80°	64.3	57.9	50.4	43.4	36.5	32.7	34.3
82.5°	57.9	49.9	41.8	33.8	25.7	20.4	20.4
85°	50.9	43.4	34.8	26.3	18.2	11.3	10.2
87.5°	46.1	38.1	28.9	20.9	12.9	5.9	3.2
90°	41.3	33.2	24.7	16.6	9.1	2.7	0.0
92.5°	37.0	29.5	21.4	13.4	6.4	1.6	0.0
95°	33.2	26.3	18.2	11.3	5.4	1.1	0.5
97.5°	29.5	23.0	16.1	9.1	3.8	1.1	0.5
100°	26.8	20.4	13.9	7.5	3.2	0.5	0.5
102.5°	23.6	18.2	11.8	6.4	2.7	0.5	0.5
105°	20.9	16.1	10.2	5.4	2.1	0.5	0.5
107.5°	18.8	13.9	9.1	4.8	2.1	0.5	0.5
110°	16.6	12.3	8.0	4.3	1.6	0.5	0.5

TEST NUMBER: P1214083

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	15.0	10.7	7.0	3.8	1.1	0.5	0.5
115°	12.9	9.6	5.9	3.2	1.1	0.5	0.5
117.5°	11.3	8.0	5.4	2.7	1.1	0.5	0.5
120°	9.6	7.0	4.3	2.1	0.5	0.5	0.5
122.5°	8.6	5.9	3.8	2.1	0.5	0.5	0.5
125°	7.5	5.4	3.2	1.6	0.5	0.5	0.5
127.5°	6.4	4.3	2.7	1.1	0.5	0.5	0.5
130°	5.4	3.8	2.1	1.1	0.5	0.5	0.5
132.5°	4.3	3.2	2.1	1.1	0.5	0.5	0.5
135°	3.8	2.7	1.6	1.1	0.5	0.5	0.5
137.5°	3.2	2.1	1.1	1.1	1.1	0.5	0.5
140°	2.7	1.6	1.1	1.1	1.1	1.1	0.5
142.5°	2.1	1.6	1.1	1.1	1.1	1.1	0.5
145°	1.6	1.1	1.1	1.1	1.1	1.1	0.5
147.5°	1.6	1.1	1.1	1.1	1.1	1.1	0.5
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)