

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: P1214084

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

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33519)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-26SL-LN-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

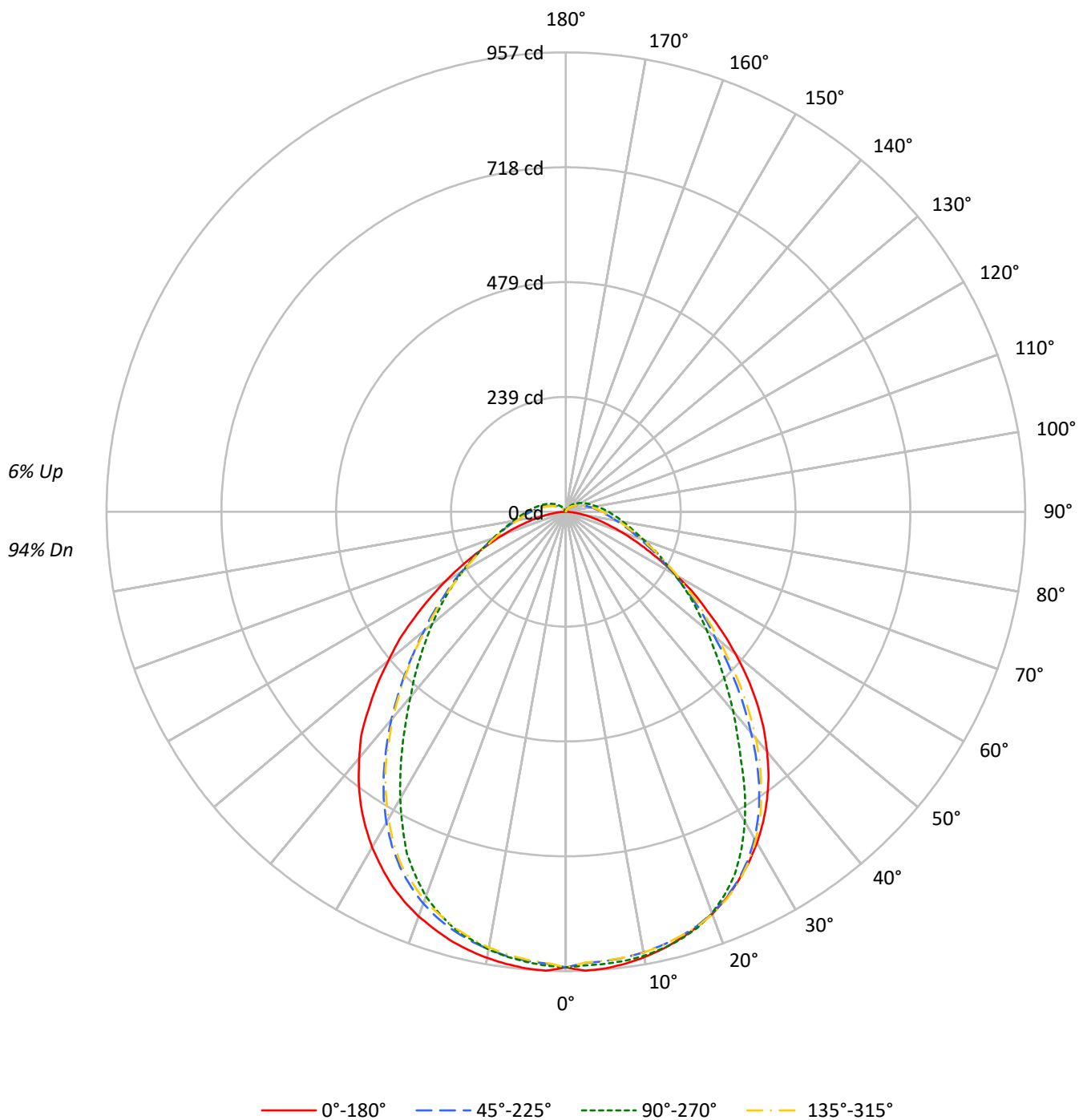
Lumens per Lamp: N/A
Luminaire Lumens: 2402.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96
1	107	103	98	95	104	100	96	92	94	91	88	89	87	85	85	83	81
2	98	90	84	78	95	88	82	77	83	78	74	79	75	72	75	72	69
3	90	80	72	66	87	78	71	65	74	68	63	71	66	61	67	63	60
4	83	72	63	57	80	70	62	56	67	60	55	64	58	53	61	56	52
5	77	64	56	50	74	63	55	49	60	53	48	58	52	47	55	50	46
6	71	58	50	44	69	57	49	43	55	48	42	52	46	42	50	45	41
7	66	53	45	39	64	52	44	39	50	43	38	48	42	37	46	41	37
8	62	49	41	35	60	48	40	35	46	39	34	44	38	34	43	37	33
9	58	45	37	32	56	44	37	31	42	36	31	41	35	30	40	34	30
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7670	7670	7670	7670
5°	7725	7426	7725	7393
10°	7690	7228	7703	7128
15°	7640	7012	7675	6830
20°	7582	6734	7626	6450
25°	7460	6322	7543	5951
30°	7302	5717	7398	5293
35°	7056	4975	7192	4633
40°	6703	4351	6880	4038
45°	6237	3782	6440	3565
50°	5600	3324	5847	3157
55°	4844	2935	5197	2786
60°	4074	2577	4443	2429
65°	3340	2279	3677	2112
70°	2659	2023	2977	1870
75°	2089	1867	2352	1718
80°	1506	1801	1775	1646
85°	929	1812	1250	1665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 6440 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.7
10°-20°	258.0	10.7
20°-30°	382.4	15.9
30°-40°	424.8	17.7
40°-50°	385.1	16.0
50°-60°	298.4	12.4
60°-70°	202.6	8.4
70°-80°	128.9	5.4
80°-90°	82.4	3.4
90°-100°	55.6	2.3
100°-110°	38.1	1.6
110°-120°	25.4	1.1
120°-130°	15.8	0.7
130°-140°	8.7	0.4
140°-150°	4.1	0.2
150°-160°	1.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	730.4	30.4
0°-40°	1155.2	48.1
0°-60°	1838.8	76.6
0°-90°	2252.7	93.8
90°-120°	119.0	5.0
90°-150°	147.6	6.1
90°-180°	149.0	6.2
0°-180°	2402.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	949	949	949	949	949	
5°	955	946	955	941	955	91
15°	921	922	925	898	921	260
25°	849	833	858	784	849	391
35°	731	637	745	593	731	456
45°	563	455	581	429	563	432
55°	359	320	385	304	359	323
65°	186	215	205	199	186	187
75°	75	144	84	132	75	80
85°	14	103	18	95	14	16
90°	0	89	1	81	0	1
95°	0	76	0	71	0	0
105°	0	56	0	53	0	1
115°	0	42	0	39	0	0
125°	0	31	0	28	0	0
135°	0	22	0	18	0	0
145°	0	14	0	10	0	0
155°	0	8	0	4	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1
2.5°	957.0	955.9	954.9	953.3	954.9	959.1	956.4	950.7	949.7	940.3	944.4
5°	954.9	953.3	952.3	950.7	952.8	958.0	955.4	950.2	948.6	939.7	944.4
7.5°	949.7	948.6	947.0	947.0	949.1	954.4	952.3	946.5	945.5	936.6	941.8
10°	942.3	941.8	940.8	940.8	942.9	949.1	946.5	941.3	940.3	931.9	937.6
12.5°	932.9	933.5	931.9	931.9	935.0	941.3	939.2	933.5	932.4	925.1	930.9
15°	920.9	921.5	920.4	920.9	924.1	931.4	928.8	923.5	922.5	916.8	921.5
17.5°	907.4	907.9	907.9	907.4	911.0	918.3	916.2	911.5	910.0	905.3	911.0
20°	891.7	891.7	891.7	891.7	895.9	903.2	900.6	896.9	893.8	890.1	894.8
22.5°	872.4	871.9	872.4	874.0	878.1	883.9	882.3	878.1	873.4	871.3	875.0
25°	848.9	850.5	851.0	852.5	857.8	862.5	860.9	856.7	849.4	847.8	848.9
27.5°	824.4	825.4	827.0	826.4	833.8	838.5	835.3	831.7	821.2	819.7	818.6
30°	796.7	798.3	799.3	798.8	804.5	809.7	806.6	801.9	787.8	786.8	778.4
32.5°	765.4	766.9	768.0	768.0	776.3	778.4	772.7	765.9	750.7	747.1	739.8
35°	730.9	732.5	733.0	733.0	741.3	740.8	733.5	724.1	707.4	702.7	690.2
37.5°	693.8	694.9	695.4	698.5	702.2	699.1	689.7	677.7	665.1	652.1	638.5
40°	652.1	653.6	654.7	656.8	660.4	656.8	643.2	628.6	615.0	600.4	586.8
42.5°	609.3	614.0	612.9	612.4	614.5	604.6	594.1	577.4	563.8	548.7	535.1
45°	562.8	562.3	564.9	565.9	565.4	557.1	542.4	527.3	513.7	498.1	486.6
47.5°	513.7	513.2	515.3	516.3	513.2	504.3	492.8	475.6	464.1	450.5	441.7
50°	462.0	462.0	465.2	462.0	460.5	451.6	442.2	425.0	416.1	404.1	398.9
52.5°	410.4	415.0	411.9	410.9	409.3	400.4	393.1	379.0	371.7	366.5	360.2
55°	359.2	364.4	362.3	360.8	360.2	352.9	346.1	335.7	331.0	327.3	323.7
57.5°	315.9	315.3	314.3	312.7	313.2	307.5	300.7	295.0	292.9	291.3	292.4
60°	265.7	269.9	268.3	268.9	269.4	268.3	262.6	258.9	259.5	260.0	261.6
62.5°	224.5	228.1	230.8	228.7	229.7	231.3	228.1	227.1	229.2	231.3	233.4
65°	186.4	190.0	192.6	192.1	195.3	198.4	197.9	198.9	203.6	206.2	208.8
67.5°	151.9	155.6	159.2	159.8	164.5	169.2	171.2	174.9	180.1	183.8	186.9
70°	122.2	125.3	129.5	132.1	138.3	144.6	148.3	155.6	158.7	163.9	166.0
72.5°	95.5	98.1	103.9	110.2	115.4	123.2	130.5	136.8	141.5	147.2	149.8
75°	74.7	75.7	82.0	89.3	96.6	105.5	113.3	120.1	126.3	132.1	136.3
77.5°	54.8	56.4	62.1	72.0	80.4	89.8	98.7	106.0	112.8	118.5	124.3
80°	38.1	41.2	47.5	57.4	66.8	77.3	85.6	94.0	101.3	107.0	112.8
82.5°	24.5	27.1	36.0	45.9	55.9	66.3	75.2	83.5	91.4	97.6	102.8
85°	13.6	17.2	26.1	36.5	46.5	56.9	66.3	74.7	82.5	88.2	93.5
87.5°	5.2	10.4	18.8	28.7	38.6	48.6	58.5	66.3	74.1	80.4	85.1
90°	0.0	6.3	14.1	24.0	33.9	43.9	53.3	61.6	68.9	74.7	79.9
92.5°	0.5	4.2	11.0	19.3	28.7	38.1	47.0	55.3	62.6	68.4	73.1
95°	0.5	3.1	8.9	16.7	25.1	33.9	42.3	50.1	56.9	62.6	67.3
97.5°	0.5	2.1	7.3	14.6	21.9	30.8	38.6	45.9	52.2	58.0	61.6
100°	0.5	2.1	6.3	12.5	19.8	27.7	35.0	42.3	48.0	52.7	56.9
102.5°	0.5	1.6	5.2	11.0	17.8	24.5	31.8	38.6	43.9	48.6	52.7
105°	0.5	1.6	4.7	9.4	15.7	22.4	28.7	35.0	40.7	44.9	48.6
107.5°	0.5	1.0	4.2	7.8	13.6	20.4	26.6	31.8	37.1	41.2	44.9
110°	0.5	1.0	3.7	7.3	12.0	18.3	24.0	29.2	33.9	38.1	41.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	1.0	3.1	6.8	11.0	16.2	21.9	26.6	31.3	35.0	38.1
115°	0.5	1.0	3.1	6.3	9.9	14.1	19.3	24.5	28.2	32.4	35.0
117.5°	0.5	1.0	2.6	5.2	9.4	13.1	17.8	21.9	26.1	29.8	32.4
120°	0.5	1.0	2.6	4.7	8.4	12.0	15.7	19.8	24.0	26.6	29.2
122.5°	0.5	1.0	2.1	4.7	7.3	11.0	14.1	17.8	21.4	24.5	27.1
125°	0.5	1.0	2.1	4.2	6.8	9.9	13.1	15.7	19.3	21.9	24.5
127.5°	0.5	1.0	2.1	3.7	6.3	8.9	12.0	14.6	17.2	19.8	21.9
130°	0.5	1.0	1.6	3.1	5.7	7.8	10.4	13.6	15.7	17.8	19.8
132.5°	0.5	1.0	1.6	3.1	4.7	6.8	9.4	12.0	14.1	16.2	17.8
135°	0.5	1.0	1.6	2.6	4.2	6.3	7.8	10.4	12.5	14.6	16.2
137.5°	0.5	1.0	1.6	2.6	3.7	5.2	6.8	8.9	11.0	12.5	14.6
140°	0.5	1.0	1.6	2.1	3.1	4.7	6.3	7.3	9.4	11.0	12.5
142.5°	0.5	1.0	1.6	2.1	3.1	4.2	5.2	6.3	7.8	9.4	11.0
145°	0.5	1.0	1.6	2.1	2.6	3.7	4.7	5.7	6.3	7.8	8.9
147.5°	0.5	1.0	1.6	2.1	2.1	3.1	4.2	4.7	5.7	6.3	7.3
150°	0.5	1.0	1.6	1.6	2.1	2.6	3.7	4.2	4.7	5.7	6.3
152.5°	0.5	1.0	1.6	1.6	2.1	2.6	3.1	3.7	4.2	4.7	5.2
155°	0.5	1.0	1.6	1.6	1.6	2.1	2.6	3.1	3.7	4.2	4.7
157.5°	1.0	1.0	1.0	1.6	1.6	2.1	2.1	2.6	3.1	3.1	3.7
160°	1.0	1.0	1.0	1.6	1.6	1.6	2.1	2.1	2.6	2.6	3.1
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

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1
2.5°	943.4	945.0	949.7	949.7	948.6	947.6	947.6	946.0	947.0	949.1	948.1
5°	943.4	945.0	949.7	949.7	948.6	947.6	947.0	945.5	947.0	949.1	948.1
7.5°	940.3	942.3	947.0	947.0	946.0	945.5	944.4	943.4	945.0	947.0	946.0
10°	936.1	938.2	942.9	942.9	941.8	941.8	940.3	939.2	941.3	942.9	942.3
12.5°	929.8	932.4	936.6	936.1	935.0	935.6	934.0	931.9	934.0	935.6	936.1
15°	920.9	924.1	928.2	927.2	925.6	926.7	924.1	922.5	924.1	927.2	926.7
17.5°	909.5	911.5	914.7	914.7	913.1	912.1	911.0	909.5	910.5	912.6	913.1
20°	893.3	895.9	897.4	895.9	895.4	893.8	891.7	890.1	892.2	895.4	895.9
22.5°	871.9	872.4	876.0	872.4	869.8	869.3	867.2	864.0	867.2	869.8	870.3
25°	845.2	847.8	846.3	840.0	840.0	835.8	834.8	833.2	833.8	838.5	840.5
27.5°	811.3	812.3	808.2	802.9	798.3	795.6	792.0	792.5	792.5	798.8	800.9
30°	774.2	768.5	764.8	756.5	752.8	746.6	745.5	745.5	744.5	747.6	757.0
32.5°	729.9	722.0	716.3	708.5	702.2	695.9	692.8	694.4	693.8	701.7	704.8
35°	681.3	676.6	664.6	654.7	651.0	641.6	641.6	636.9	640.1	648.9	652.6
37.5°	630.1	622.8	612.9	602.0	599.3	592.0	589.4	586.8	593.6	595.2	598.8
40°	577.9	571.1	561.8	551.3	551.3	542.4	542.4	542.4	543.0	546.1	552.9
42.5°	528.3	521.0	512.7	505.4	504.3	497.5	497.5	497.0	498.1	500.7	506.9
45°	480.3	474.6	465.7	462.0	462.6	455.2	456.8	455.2	457.3	459.9	462.0
47.5°	435.9	432.3	428.6	423.4	421.8	421.3	418.7	416.6	420.3	420.3	423.4
50°	394.7	392.6	390.5	387.4	387.9	385.8	382.7	382.7	385.3	385.8	387.9
52.5°	358.7	356.1	353.4	354.0	354.5	353.4	351.9	350.3	351.9	352.9	355.5
55°	322.6	320.6	323.2	322.1	323.2	322.1	321.1	320.0	322.6	321.1	323.7
57.5°	290.3	292.4	293.4	291.3	292.9	291.8	292.4	290.8	292.9	293.9	293.4
60°	260.5	263.6	262.1	262.6	264.7	263.6	261.6	263.1	265.2	265.7	265.2
62.5°	233.4	237.0	238.6	237.5	238.1	237.0	238.6	236.5	239.1	240.2	238.6
65°	208.8	213.0	214.1	214.1	214.1	213.0	214.6	215.1	216.1	216.1	215.1
67.5°	187.9	191.6	192.6	193.7	192.6	191.6	191.6	192.1	194.2	195.3	194.2
70°	169.2	172.8	173.3	173.3	173.9	174.9	172.8	173.9	175.4	175.9	175.4
72.5°	153.0	156.6	157.7	157.1	157.7	158.2	158.2	157.1	158.7	159.8	159.8
75°	139.9	142.0	143.0	143.0	143.6	144.1	144.1	143.6	144.6	145.1	145.7
77.5°	127.9	129.5	131.0	131.0	131.6	131.0	132.1	132.1	132.6	133.1	133.7
80°	115.9	118.0	119.0	119.6	120.6	121.1	121.1	121.1	121.6	122.2	122.2
82.5°	106.5	108.1	109.6	111.2	111.2	111.7	111.7	111.7	112.2	112.2	112.8
85°	97.1	99.2	100.8	101.8	102.3	102.8	102.8	103.4	103.4	103.4	103.9
87.5°	88.8	91.4	92.4	93.5	94.0	95.0	95.0	95.0	95.5	95.5	95.5
90°	83.0	85.6	86.7	87.7	88.2	88.8	88.8	89.3	89.3	89.8	89.8
92.5°	76.2	78.8	80.9	80.9	81.4	82.5	82.0	82.0	82.5	83.0	83.0
95°	71.0	73.1	74.7	75.2	75.7	75.7	75.7	76.2	75.7	76.2	76.2
97.5°	64.7	66.8	68.4	69.4	70.0	70.0	70.0	70.5	70.0	70.5	70.5
100°	59.5	61.6	63.2	63.7	64.7	64.7	64.7	64.7	64.7	64.7	65.3
102.5°	55.3	57.4	58.5	59.0	59.5	60.0	60.0	60.0	60.0	60.6	60.6
105°	51.2	53.3	54.3	54.8	55.3	55.9	55.9	55.9	56.4	56.4	55.9
107.5°	47.5	49.1	50.1	51.2	51.7	51.7	52.2	52.2	52.2	52.2	52.2
110°	43.9	45.4	47.0	48.0	48.0	48.6	48.6	49.1	49.1	48.6	49.1

TEST NUMBER: P1214084

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	40.2	42.3	43.3	44.4	44.9	45.4	45.4	45.4	45.4	45.4	45.4
115°	37.1	39.2	40.2	41.2	41.8	42.3	42.3	42.3	42.3	42.3	42.3
117.5°	34.5	36.5	37.6	38.1	38.6	39.2	39.7	39.7	39.7	39.7	39.2
120°	31.8	33.4	34.5	35.5	36.0	36.5	36.5	36.5	36.5	36.5	36.5
122.5°	29.2	30.8	31.8	32.9	33.4	33.9	33.9	33.9	33.9	33.9	33.9
125°	26.6	28.2	29.2	30.3	30.8	31.3	31.3	31.3	31.3	31.3	31.3
127.5°	24.0	25.6	27.1	27.7	28.2	28.7	28.7	28.7	29.2	28.7	28.7
130°	21.4	23.0	24.5	25.1	25.6	26.1	26.6	26.6	26.6	26.6	26.1
132.5°	19.3	20.9	21.9	22.4	23.5	23.5	24.0	24.0	24.0	24.0	23.5
135°	17.8	18.8	19.8	20.4	21.4	21.4	21.4	21.9	21.9	21.4	20.9
137.5°	15.7	16.7	17.8	18.3	18.8	19.3	19.3	19.8	19.3	19.3	19.3
140°	14.6	15.1	16.2	16.7	17.2	17.2	17.2	17.8	17.8	17.2	17.2
142.5°	12.5	13.6	14.6	15.1	15.7	15.7	15.7	15.7	15.7	15.7	15.7
145°	10.4	12.0	12.5	13.6	13.6	14.1	14.1	14.1	14.1	14.1	13.6
147.5°	8.9	9.9	11.5	12.0	12.0	12.5	12.5	12.5	12.5	12.5	12.0
150°	6.8	7.8	9.4	10.4	10.4	11.0	11.0	11.0	11.0	10.4	10.4
152.5°	5.7	6.8	7.3	8.4	8.9	8.9	8.9	9.4	8.9	8.9	8.9
155°	5.2	5.7	6.3	6.8	7.3	7.8	7.8	7.8	7.8	7.3	7.3
157.5°	4.2	4.7	5.2	5.7	6.3	6.8	6.8	6.8	6.8	6.8	6.3
160°	3.1	3.7	4.2	4.2	4.7	5.2	5.7	5.2	5.2	5.2	5.2
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: P1214084

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1
2.5°	947.0	946.5	948.1	945.5	937.6	939.7	938.7	943.4	944.4	945.5	950.2
5°	947.0	946.5	947.6	945.5	937.1	938.7	937.6	942.3	943.4	943.9	948.6
7.5°	945.0	944.4	946.0	943.4	934.5	936.6	935.0	939.7	940.3	940.8	945.0
10°	940.8	940.3	941.3	939.2	930.3	932.4	930.3	935.0	935.0	936.1	939.2
12.5°	934.5	933.5	935.6	932.9	923.0	925.6	924.6	927.7	928.2	928.8	931.9
15°	925.6	924.6	926.2	924.6	915.7	916.2	914.7	919.4	919.9	918.9	922.0
17.5°	912.6	911.5	914.7	913.6	904.8	906.8	906.3	907.4	908.9	906.3	910.5
20°	896.4	897.4	898.5	899.0	892.2	892.2	891.7	893.8	895.4	893.3	896.4
22.5°	872.4	875.0	878.1	879.2	874.5	874.0	877.1	876.0	877.6	876.6	878.7
25°	842.1	847.3	850.5	853.6	851.0	852.0	856.7	857.8	857.8	857.2	859.3
27.5°	804.5	811.3	817.0	823.8	821.2	823.3	831.1	832.2	834.3	832.2	836.4
30°	759.6	765.9	776.8	786.8	787.8	790.9	801.9	802.9	808.7	806.6	808.2
32.5°	714.7	717.9	730.4	740.3	746.6	754.4	766.4	768.5	776.3	777.9	777.9
35°	658.3	667.2	678.7	692.8	700.6	709.0	725.2	728.3	739.8	743.4	747.6
37.5°	610.8	619.2	626.5	641.1	655.2	664.6	677.7	685.5	697.5	704.3	709.5
40°	560.2	567.0	574.8	589.4	601.4	615.5	628.6	638.0	653.1	660.9	667.7
42.5°	512.2	517.4	525.7	536.2	548.7	564.4	576.9	587.9	604.0	615.0	622.8
45°	469.3	472.5	479.8	487.6	498.6	514.8	526.8	540.9	553.9	565.4	574.8
47.5°	429.1	433.3	437.0	442.2	452.1	462.0	476.1	489.7	502.8	515.3	524.7
50°	392.1	392.1	397.8	401.5	408.3	417.1	428.1	437.5	453.7	462.6	474.6
52.5°	356.1	358.1	361.3	363.4	368.6	374.3	383.2	391.0	404.6	413.0	424.4
55°	324.2	326.3	327.9	328.9	332.0	338.8	342.0	348.2	357.6	364.4	374.3
57.5°	293.9	295.0	296.5	297.1	297.6	301.8	304.4	305.9	315.3	322.1	330.5
60°	266.3	266.3	267.8	267.3	266.8	268.9	268.3	269.9	275.7	279.8	283.5
62.5°	240.2	240.2	240.7	239.6	239.1	239.1	237.0	238.6	240.2	240.7	243.3
65°	216.1	218.7	216.7	217.2	214.1	213.0	212.0	208.8	208.3	206.2	207.3
67.5°	194.7	196.8	194.7	194.7	192.1	190.0	187.4	182.2	180.6	176.5	175.4
70°	177.5	175.9	177.0	175.4	172.3	169.7	166.0	161.8	156.6	151.4	147.7
72.5°	160.8	160.8	159.8	158.2	156.6	151.4	147.2	142.5	136.3	129.5	124.3
75°	144.6	145.1	145.1	143.6	141.0	136.3	131.6	124.8	118.0	110.2	103.4
77.5°	133.1	133.1	133.1	130.5	127.9	123.7	118.0	110.7	103.4	94.0	86.1
80°	122.2	121.6	121.6	118.5	115.9	111.2	105.5	98.1	90.3	80.4	71.5
82.5°	113.3	112.8	111.7	109.1	105.5	100.8	95.0	87.2	78.8	70.0	59.0
85°	103.9	103.4	102.3	99.7	96.1	91.9	85.6	77.8	69.4	59.5	49.1
87.5°	95.5	95.0	93.5	91.9	87.7	83.0	76.7	69.4	60.6	51.2	40.7
90°	89.8	88.8	87.7	85.6	82.0	76.7	70.5	62.6	53.8	44.4	33.9
92.5°	83.0	82.5	80.9	78.8	75.7	70.5	64.2	56.9	48.0	39.2	29.2
95°	76.2	75.7	74.7	72.6	69.4	64.7	59.0	51.7	43.3	34.5	25.6
97.5°	70.0	70.0	68.4	66.8	63.2	59.5	53.8	47.0	39.2	31.3	23.0
100°	64.7	64.7	63.2	61.1	58.5	54.8	49.1	42.8	35.5	28.2	19.8
102.5°	60.0	59.5	58.5	56.4	53.8	50.1	44.9	39.2	32.4	25.1	17.8
105°	55.9	55.3	54.3	52.2	50.1	45.9	41.8	36.0	29.2	22.4	15.7
107.5°	51.7	51.2	50.6	48.6	45.9	42.3	38.1	32.4	26.6	20.4	14.1
110°	48.0	47.5	46.5	44.4	41.8	38.6	34.5	29.8	24.0	18.3	12.5

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	44.9	44.4	43.3	41.2	39.2	35.5	31.8	26.6	21.9	16.7	11.0
115°	41.8	41.2	40.2	38.1	35.5	32.4	28.7	24.5	19.3	14.6	9.9
117.5°	38.6	38.1	37.1	35.5	32.9	29.8	26.1	21.9	17.2	13.6	8.9
120°	36.0	35.0	33.9	32.4	29.8	27.1	23.5	19.8	15.7	12.0	7.8
122.5°	33.4	32.4	31.3	29.8	27.1	24.5	20.9	17.8	14.6	11.0	7.3
125°	30.3	29.8	28.7	27.1	24.5	21.9	19.3	16.2	13.1	9.9	6.3
127.5°	27.7	27.1	26.1	24.0	21.9	19.8	17.2	14.6	11.5	8.4	5.7
130°	25.6	24.5	23.5	21.9	20.4	18.3	15.7	13.1	10.4	7.3	5.2
132.5°	23.0	21.9	20.9	19.8	18.3	16.2	14.1	11.5	9.4	6.8	4.7
135°	20.9	19.8	18.8	17.8	16.2	14.6	12.5	10.4	8.4	6.3	4.2
137.5°	18.3	17.8	17.2	16.2	14.6	13.1	11.5	8.9	7.3	5.7	3.7
140°	16.7	16.2	15.7	14.1	13.1	11.5	9.9	7.8	6.3	4.7	3.1
142.5°	15.1	14.6	13.6	12.5	11.5	10.4	8.4	7.3	5.7	4.2	3.1
145°	13.1	12.5	12.0	11.0	9.9	8.4	7.3	6.3	5.2	3.7	2.6
147.5°	12.0	11.5	10.4	9.4	8.4	7.3	6.8	5.7	4.2	3.1	2.1
150°	9.9	9.4	8.9	7.8	7.3	6.8	5.7	4.7	3.7	2.6	2.1
152.5°	8.4	7.8	7.3	7.3	6.3	5.7	4.7	4.2	3.1	2.6	1.6
155°	7.3	7.3	6.8	6.3	5.2	4.7	4.2	3.1	2.6	2.1	1.6
157.5°	6.3	5.7	5.2	5.2	4.7	4.2	3.1	2.6	2.1	2.1	1.6
160°	5.2	4.7	4.7	4.2	3.7	3.1	2.6	2.6	2.1	1.6	1.6
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: P1214084

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1
2.5°	950.7	945.0	950.2	957.0	957.0	955.9	954.9	957.0	962.2	960.1	953.8
5°	949.1	943.4	948.1	954.9	954.9	953.3	952.3	953.8	959.6	957.0	951.2
7.5°	946.0	940.8	943.9	950.2	950.2	948.6	947.6	949.7	954.4	951.7	945.5
10°	940.3	934.5	938.2	943.9	943.4	942.3	940.8	943.4	947.6	943.9	936.6
12.5°	932.9	927.2	930.3	935.6	935.0	932.9	931.9	933.5	937.1	935.0	927.2
15°	923.0	917.3	919.9	925.1	923.5	922.0	919.9	920.4	925.1	921.5	913.1
17.5°	911.0	904.8	906.8	911.5	910.0	908.4	905.8	906.3	911.5	906.3	897.4
20°	896.4	889.6	891.2	896.9	894.3	891.7	889.1	889.1	894.3	888.6	878.7
22.5°	880.7	874.0	875.0	879.2	877.1	872.4	869.8	871.3	874.0	866.6	856.2
25°	861.4	852.5	854.1	858.3	856.7	850.5	847.8	848.9	847.8	842.1	831.1
27.5°	839.0	829.6	830.6	833.2	831.1	825.4	822.3	822.8	820.7	813.4	800.9
30°	810.8	806.1	805.6	807.1	804.0	798.3	794.6	793.6	793.0	782.6	767.4
32.5°	782.1	777.9	775.3	777.4	773.7	768.0	761.7	761.7	756.5	746.6	733.5
35°	752.8	746.0	743.4	745.0	740.8	733.5	728.3	725.7	717.9	705.3	691.2
37.5°	715.2	710.5	707.4	709.0	704.3	699.1	689.1	686.5	678.2	660.9	643.2
40°	674.5	670.9	667.7	669.3	664.1	656.2	647.4	643.2	633.8	614.5	600.4
42.5°	630.7	629.1	625.4	631.2	620.7	612.9	604.0	597.3	587.9	567.0	550.8
45°	584.2	587.9	579.5	581.1	574.3	567.5	558.1	548.2	538.8	518.9	500.7
47.5°	535.1	537.7	532.0	533.0	525.7	519.5	511.1	498.6	488.1	470.9	454.7
50°	484.5	483.4	483.4	482.4	476.7	468.8	460.5	449.0	438.5	422.9	409.3
52.5°	430.7	432.8	433.8	436.5	429.1	424.4	411.4	401.5	393.6	377.5	366.0
55°	379.0	386.3	384.2	385.3	376.9	373.3	362.8	355.0	343.5	334.1	326.8
57.5°	332.0	333.6	334.6	336.2	332.6	325.3	316.9	310.6	301.8	293.9	288.7
60°	286.6	286.6	287.1	289.8	286.1	279.8	273.6	268.9	262.6	257.9	254.8
62.5°	243.8	247.5	248.0	245.9	241.2	238.1	233.9	231.3	227.1	225.5	224.5
65°	204.1	204.1	204.1	205.2	202.6	200.5	197.9	197.3	198.9	196.8	197.9
67.5°	170.7	169.2	168.1	168.6	167.6	166.5	166.0	167.6	170.7	170.7	173.3
70°	142.0	138.9	136.8	136.8	136.8	137.3	138.9	142.0	147.2	149.3	153.0
72.5°	118.5	111.7	108.6	108.6	109.1	111.2	115.9	121.6	126.3	130.5	135.2
75°	96.1	89.3	84.6	84.1	85.1	88.2	95.0	100.2	108.1	113.8	119.6
77.5°	77.8	69.4	63.7	63.2	64.7	69.4	77.8	84.6	93.5	99.7	106.0
80°	62.1	52.7	48.0	44.9	47.5	53.3	62.6	71.0	79.4	87.7	95.5
82.5°	49.6	40.7	33.4	30.3	33.4	41.2	50.1	60.0	68.4	77.3	85.1
85°	39.2	29.8	21.4	18.3	21.9	30.3	40.2	50.1	59.5	68.4	76.2
87.5°	30.8	21.4	13.1	8.9	13.6	22.4	31.8	41.8	51.7	60.6	68.4
90°	24.0	15.1	7.3	1.0	7.8	16.2	25.6	35.0	44.9	53.8	61.6
92.5°	20.4	11.5	4.2	0.0	4.7	12.0	20.9	30.3	39.2	48.0	55.9
95°	17.2	9.4	3.1	0.0	3.1	9.4	17.2	25.6	34.5	43.3	51.2
97.5°	14.6	7.3	2.1	0.0	2.1	7.3	14.1	22.4	30.3	38.6	45.9
100°	12.5	6.3	1.6	0.0	1.6	5.7	12.0	19.3	27.1	35.0	41.8
102.5°	11.0	5.2	1.0	0.0	1.0	4.7	9.9	16.7	23.5	30.8	37.6
105°	9.4	4.2	1.0	0.0	0.5	3.7	8.4	14.6	20.9	27.7	33.9
107.5°	8.4	3.7	1.0	0.0	0.5	3.1	7.3	12.5	18.8	24.5	30.3
110°	7.3	3.1	1.0	0.0	0.5	2.1	6.3	11.0	16.2	21.9	27.7

TEST NUMBER: P1214084

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	6.3	2.6	0.5	0.0	0.0	1.6	5.2	9.4	14.1	19.8	24.5
115°	5.7	2.6	0.5	0.0	0.0	1.0	4.2	8.4	12.5	17.8	21.9
117.5°	5.2	2.1	0.5	0.0	0.5	1.0	3.7	7.3	11.0	15.1	19.8
120°	4.7	2.1	0.5	0.0	0.5	0.5	2.6	6.3	9.4	13.6	17.2
122.5°	4.2	2.1	0.5	0.0	0.5	0.5	2.1	5.2	8.4	12.0	15.1
125°	3.7	1.6	1.0	0.5	0.5	0.5	1.6	4.2	7.3	9.9	13.6
127.5°	3.7	1.6	1.0	0.5	0.5	0.5	1.0	3.7	5.7	8.9	12.0
130°	3.1	1.6	1.0	0.5	0.5	0.5	0.5	2.6	5.2	7.3	9.9
132.5°	2.6	1.6	1.0	0.5	0.5	0.5	0.5	1.6	3.7	6.3	8.4
135°	2.6	1.6	1.0	0.5	0.5	0.5	0.5	1.0	2.6	4.7	6.8
137.5°	2.1	1.0	1.0	0.5	0.5	0.5	0.5	0.5	2.1	3.7	5.2
140°	2.1	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.6	2.6	4.2
142.5°	1.6	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	2.1	3.1
145°	1.6	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.1
147.5°	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.6
150°	1.6	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
152.5°	1.6	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
155°	1.6	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
157.5°	1.6	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
160°	1.6	1.0	1.0	0.5	1.0	0.5	1.0	1.0	1.0	1.0	1.0
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: P1214084

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1
2.5°	951.7	941.8	947.0	945.5	947.6	951.7	951.2	950.2	950.2	948.6	946.5
5°	948.6	939.2	943.9	941.3	943.9	947.6	947.0	945.5	946.5	943.9	941.3
7.5°	942.3	934.0	938.2	936.1	938.2	941.8	940.3	939.7	940.8	936.6	935.0
10°	935.0	925.6	930.3	927.7	930.3	932.9	931.9	929.8	931.9	927.7	926.2
12.5°	923.5	915.7	918.9	917.8	919.4	922.0	919.9	918.3	919.4	915.7	912.6
15°	911.0	903.2	905.8	904.2	905.3	908.4	904.8	904.2	903.2	899.5	898.5
17.5°	894.8	887.5	890.1	887.5	889.1	888.0	887.5	884.9	884.9	880.7	877.6
20°	875.0	868.7	867.2	865.1	867.2	865.1	861.9	859.9	859.3	855.2	852.5
22.5°	852.0	844.7	845.8	840.0	840.5	837.4	832.2	830.1	828.0	823.3	819.7
25°	824.4	817.0	811.8	808.2	803.5	802.9	796.2	790.9	790.4	784.7	784.2
27.5°	793.0	784.7	780.5	771.6	765.9	761.2	755.4	750.2	747.6	741.3	737.2
30°	757.0	747.6	737.2	730.9	722.0	718.4	708.5	702.2	700.1	693.3	690.2
32.5°	716.3	706.4	698.0	686.0	676.1	670.9	660.9	654.7	652.1	644.8	640.6
35°	671.9	660.9	651.0	639.5	631.7	622.8	610.8	604.6	598.8	596.2	593.1
37.5°	625.4	613.4	602.0	590.5	583.7	573.2	562.8	558.6	551.8	549.2	546.1
40°	577.4	565.4	554.4	543.5	535.6	526.3	516.9	515.3	508.0	505.4	503.3
42.5°	529.9	517.4	504.8	497.0	491.3	481.9	475.6	474.0	467.8	466.2	466.2
45°	487.1	471.4	461.0	454.2	449.5	441.7	436.5	435.4	430.2	429.1	429.1
47.5°	441.2	426.5	418.7	414.5	410.4	404.6	401.5	401.5	396.3	395.2	394.7
50°	398.3	384.8	379.0	374.8	374.3	370.2	367.5	366.5	366.5	362.8	363.4
52.5°	357.6	350.8	346.1	343.5	340.4	337.8	335.7	335.7	334.1	331.5	332.6
55°	320.0	312.2	312.7	310.6	309.1	307.5	308.0	304.9	304.4	302.3	303.8
57.5°	282.4	282.4	281.4	279.8	277.2	278.3	278.3	278.3	275.7	274.1	275.7
60°	250.6	252.2	249.6	251.1	250.1	250.6	249.6	249.6	248.0	247.5	248.0
62.5°	222.4	225.0	224.0	226.1	225.0	225.5	226.6	224.5	223.4	222.4	223.4
65°	197.3	200.5	200.0	201.5	202.0	202.6	203.1	202.0	201.0	200.0	199.4
67.5°	175.4	178.5	180.6	181.2	181.7	183.2	182.7	181.7	180.6	179.1	178.5
70°	155.6	159.8	162.4	163.4	165.5	164.5	164.5	163.9	162.9	161.3	160.8
72.5°	138.9	143.6	146.2	147.2	149.3	149.3	148.8	148.3	147.2	145.7	145.1
75°	124.3	128.4	132.1	134.2	135.7	135.7	135.2	134.7	133.7	132.6	132.1
77.5°	112.8	116.4	119.6	122.2	123.2	123.7	123.2	122.2	122.2	121.6	121.1
80°	101.3	105.5	108.6	111.2	112.8	112.8	112.2	112.8	111.7	111.2	110.7
82.5°	91.4	96.1	99.7	102.3	103.4	103.9	103.4	103.9	102.8	102.8	102.8
85°	82.5	87.2	91.4	93.5	95.0	95.5	95.5	95.5	95.0	95.0	95.0
87.5°	75.2	79.9	84.1	86.1	87.7	88.2	88.2	88.8	87.7	87.7	87.7
90°	68.4	73.1	77.3	79.4	80.9	82.0	82.0	82.5	82.0	81.4	81.4
92.5°	62.1	67.3	71.5	73.6	75.2	76.7	76.7	77.3	76.2	76.2	76.2
95°	56.9	62.1	65.8	68.4	70.0	71.0	71.5	71.5	71.0	71.0	71.0
97.5°	52.2	56.9	60.6	63.2	64.7	65.3	65.8	66.3	65.8	65.8	65.8
100°	47.5	52.2	55.9	58.0	60.0	60.6	61.1	61.6	61.6	61.1	61.1
102.5°	43.3	48.0	51.2	53.8	55.3	56.4	56.9	56.9	56.9	56.9	56.9
105°	39.2	43.9	47.0	49.6	51.2	52.2	52.7	53.3	53.3	52.7	52.7
107.5°	35.5	39.7	43.3	45.4	47.5	48.6	49.1	49.1	49.6	49.1	49.1
110°	31.8	36.5	39.7	41.8	43.9	44.9	45.4	45.9	45.9	45.9	45.9

TEST NUMBER: P1214084

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	29.2	32.9	36.0	38.1	40.2	41.2	41.8	42.3	42.8	42.3	42.3
115°	26.1	29.8	32.9	35.0	36.5	37.6	38.6	39.2	39.2	39.7	39.2
117.5°	23.5	26.6	29.8	31.8	33.4	35.0	35.5	36.0	36.5	36.0	36.0
120°	20.9	24.0	26.6	28.7	30.3	31.8	32.4	32.9	33.4	32.9	32.9
122.5°	18.8	21.4	24.0	26.1	27.7	28.7	29.8	29.8	30.3	30.3	30.3
125°	16.7	19.3	21.4	23.5	25.1	26.1	26.6	27.1	27.1	27.7	27.7
127.5°	14.6	16.7	19.3	20.9	22.4	23.5	24.0	24.5	24.5	25.1	25.1
130°	12.5	14.6	16.7	18.3	19.8	20.9	21.4	21.9	22.4	22.4	22.4
132.5°	11.0	13.1	14.6	16.2	17.2	18.3	19.3	19.8	19.8	19.8	19.8
135°	8.9	11.0	12.5	14.1	15.1	16.2	16.7	17.8	17.8	17.8	17.8
137.5°	7.3	9.4	11.0	12.0	13.1	14.1	14.6	15.1	15.7	15.7	15.7
140°	5.7	7.3	8.9	10.4	11.5	12.0	13.1	13.1	13.6	13.6	13.6
142.5°	4.2	5.7	6.8	8.4	9.4	10.4	11.0	11.5	11.5	11.5	11.5
145°	3.1	4.2	5.2	6.3	7.8	8.4	8.9	9.4	9.9	9.9	9.9
147.5°	2.1	3.1	3.7	4.7	5.7	6.8	7.3	7.8	8.4	8.4	8.4
150°	1.6	2.1	3.1	3.7	4.2	5.2	6.3	6.3	6.8	6.8	6.3
152.5°	1.0	1.6	2.1	2.6	3.1	3.7	4.7	4.7	5.2	5.2	5.2
155°	1.0	1.0	1.0	1.6	2.1	2.6	3.1	3.7	3.7	3.7	3.7
157.5°	1.0	1.0	1.0	1.0	1.0	1.6	2.1	2.6	2.6	2.6	2.6
160°	1.0	1.0	0.5	0.5	1.0	1.0	1.0	1.0	1.6	1.6	1.6
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: P1214084

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1	949.1
2.5°	948.1	949.1	949.1	948.1	947.6	949.7	947.0	937.1	940.3	941.3	944.4
5°	943.4	944.4	944.4	944.4	943.4	945.5	942.9	932.9	936.6	938.2	940.3
7.5°	936.6	937.1	938.2	937.6	936.6	939.7	937.1	927.2	929.8	932.4	935.0
10°	927.7	927.7	928.2	929.3	928.2	930.9	928.2	919.4	922.0	923.5	926.7
12.5°	915.7	916.8	917.3	916.8	916.2	918.3	917.3	908.9	910.0	913.1	916.2
15°	899.5	899.5	902.1	901.1	901.1	903.2	904.2	894.8	896.4	901.1	904.2
17.5°	879.7	880.2	882.3	883.3	882.8	886.5	887.0	879.7	879.2	884.9	888.0
20°	854.1	855.2	857.8	859.9	859.9	864.0	865.6	860.9	861.4	867.7	868.7
22.5°	822.8	822.8	827.5	830.6	833.2	835.8	840.5	836.4	836.4	844.7	849.4
25°	784.2	787.8	789.4	795.6	799.3	806.6	810.8	811.3	811.8	819.7	822.8
27.5°	741.3	742.4	747.1	754.4	758.6	765.4	773.2	774.8	777.4	787.8	792.5
30°	692.8	695.9	698.0	708.5	714.2	723.1	733.0	736.6	738.7	752.8	758.6
32.5°	643.2	644.2	653.1	658.9	665.6	675.0	686.5	693.3	697.5	712.1	720.5
35°	593.6	595.7	603.0	610.3	617.1	626.5	638.5	647.9	655.2	668.3	679.2
37.5°	548.2	553.4	555.0	562.3	567.5	576.9	585.2	598.8	606.1	619.7	633.8
40°	507.5	509.0	510.1	517.4	521.0	529.9	541.9	550.8	560.7	570.6	587.3
42.5°	467.3	468.3	469.9	474.0	478.2	484.5	493.4	502.2	512.7	527.3	538.3
45°	430.2	431.2	432.3	434.9	438.5	444.3	450.0	456.3	466.7	479.3	490.7
47.5°	395.7	397.8	397.8	398.3	401.0	405.7	409.8	417.7	423.4	430.2	443.2
50°	362.8	364.4	364.9	364.9	366.5	369.6	370.7	375.9	381.1	387.4	396.8
52.5°	332.0	332.0	331.5	333.6	333.6	335.7	336.2	339.3	343.0	349.8	354.0
55°	302.8	302.8	304.4	303.3	303.3	304.4	303.8	304.4	307.5	311.7	315.3
57.5°	274.6	274.1	275.7	274.6	274.1	275.1	276.2	274.1	274.6	278.8	278.8
60°	246.4	246.9	248.5	247.5	247.5	247.5	246.4	245.4	244.3	246.9	248.0
62.5°	224.0	222.4	224.0	222.4	223.4	222.9	221.9	219.8	220.3	219.3	218.2
65°	200.5	200.5	201.0	199.4	200.5	200.5	198.9	198.4	195.3	194.2	191.6
67.5°	180.1	180.1	180.6	179.6	179.6	180.1	178.5	177.0	173.9	172.3	168.6
70°	162.4	162.4	162.4	161.8	161.8	161.8	160.8	158.7	155.6	153.0	148.3
72.5°	146.2	146.7	146.2	146.2	147.7	146.2	144.6	142.5	139.9	134.7	130.5
75°	133.1	133.7	133.1	133.1	133.1	132.6	132.1	129.0	125.8	121.6	115.4
77.5°	121.6	121.6	122.2	121.6	121.6	121.1	119.6	116.9	113.3	109.6	102.3
80°	110.7	111.2	111.7	112.2	111.2	110.7	109.1	107.0	102.3	98.1	90.8
82.5°	102.8	102.3	102.8	103.4	102.3	101.8	100.2	97.6	94.0	88.2	80.9
85°	95.0	94.5	94.5	95.0	94.5	93.5	91.9	89.3	85.6	79.9	72.6
87.5°	87.2	87.7	88.2	87.7	87.2	86.1	84.6	82.0	77.8	73.1	65.3
90°	81.4	81.4	81.4	81.4	80.9	79.9	78.3	75.2	71.5	65.8	59.0
92.5°	76.2	76.2	76.2	76.2	75.7	74.1	72.6	70.0	65.8	60.0	53.8
95°	71.0	71.5	71.0	71.0	70.0	69.4	66.8	64.2	60.6	54.8	48.0
97.5°	65.3	65.8	65.3	65.3	64.7	63.7	62.1	59.0	55.3	50.1	43.9
100°	61.1	61.1	60.6	60.6	60.0	59.0	56.9	54.3	50.6	45.4	39.2
102.5°	56.4	56.9	56.4	56.4	55.3	54.3	52.7	50.1	46.5	41.2	35.5
105°	52.7	52.7	52.2	52.2	51.2	50.1	48.6	45.4	42.3	37.6	31.8
107.5°	49.1	49.1	48.6	48.6	47.5	46.5	44.4	41.8	38.6	33.9	28.7
110°	45.4	45.4	45.4	44.9	43.9	42.3	40.7	38.1	35.0	30.8	25.6

TEST NUMBER: P1214084

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	42.8	42.3	41.8	41.2	40.2	39.2	37.1	34.5	31.3	27.7	23.0
115°	39.2	39.2	38.6	38.1	37.1	35.5	33.9	31.8	28.7	24.5	20.4
117.5°	36.0	36.0	35.5	35.0	33.9	32.4	30.8	28.7	25.6	21.9	18.3
120°	32.9	32.9	32.4	31.8	30.8	29.2	28.2	25.6	23.0	19.3	16.2
122.5°	30.3	29.8	29.8	28.7	28.2	26.6	25.1	23.0	20.4	17.2	14.1
125°	27.1	27.1	26.6	26.1	25.6	24.0	22.4	20.4	17.8	15.1	12.5
127.5°	24.5	24.5	24.0	23.5	23.0	21.4	19.8	18.3	15.7	13.1	10.4
130°	21.9	21.9	21.4	20.9	20.4	18.8	17.8	15.7	13.6	11.5	8.9
132.5°	19.8	19.8	19.3	18.8	17.8	16.7	15.7	13.6	12.0	9.9	7.8
135°	17.8	17.2	17.2	16.7	15.7	14.6	13.6	12.0	9.9	8.4	6.3
137.5°	15.7	15.1	14.6	14.1	13.6	12.5	11.5	10.4	8.9	6.8	5.2
140°	13.6	13.1	13.1	12.5	11.5	11.0	9.9	8.4	7.3	5.7	4.2
142.5°	11.5	11.5	11.0	10.4	9.9	9.4	8.4	7.3	5.7	4.7	3.1
145°	9.9	9.4	9.4	8.9	8.4	7.3	6.8	5.7	4.7	3.7	2.6
147.5°	7.8	7.8	7.8	7.3	6.8	6.3	5.7	4.7	3.7	2.6	1.6
150°	6.3	6.3	6.3	5.7	5.2	4.7	4.2	3.7	2.6	1.6	1.0
152.5°	5.2	5.2	4.7	4.7	4.2	3.7	3.1	2.6	1.6	1.0	1.0
155°	3.7	3.7	3.7	3.1	3.1	2.6	2.1	1.6	1.0	1.0	1.0
157.5°	2.6	2.6	2.6	2.1	2.1	1.6	1.6	1.0	1.0	1.0	1.0
160°	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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: P1214084

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	949.1	949.1	949.1	949.1	949.1	949.1	949.1
2.5°	942.9	942.3	946.5	946.5	941.8	949.1	957.0
5°	939.7	939.2	943.4	943.4	939.2	946.5	954.9
7.5°	933.5	934.0	938.2	939.2	934.0	940.8	949.7
10°	926.7	926.2	930.9	931.9	927.7	934.0	942.3
12.5°	915.7	915.7	920.4	922.0	917.8	925.1	932.9
15°	904.2	904.2	907.4	910.0	906.3	913.1	920.9
17.5°	889.6	889.1	892.2	895.4	891.7	899.0	907.4
20°	870.8	870.8	874.5	878.1	875.5	882.3	891.7
22.5°	851.0	848.9	855.2	857.8	856.2	863.0	872.4
25°	825.9	825.4	831.7	835.3	833.2	840.5	848.9
27.5°	798.8	798.3	804.5	809.2	808.2	815.0	824.4
30°	765.9	768.5	774.2	782.1	779.5	786.8	796.7
32.5°	731.4	734.0	740.8	749.2	749.7	755.4	765.4
35°	690.2	697.0	701.7	712.6	714.7	720.5	730.9
37.5°	646.8	654.7	664.6	673.0	677.1	681.8	693.8
40°	598.3	609.8	620.7	630.7	635.9	640.6	652.1
42.5°	554.4	563.3	573.8	583.7	593.1	597.3	609.3
45°	504.8	515.3	524.7	536.7	546.1	550.8	562.8
47.5°	456.3	466.7	479.3	487.6	497.5	502.2	513.7
50°	409.8	419.2	429.7	439.6	447.9	452.1	462.0
52.5°	363.9	373.8	383.7	390.0	398.9	402.0	410.4
55°	323.2	330.0	338.8	342.5	351.4	353.4	359.2
57.5°	284.0	288.7	291.8	298.1	304.4	309.1	315.9
60°	248.5	250.6	252.7	256.3	261.6	263.1	265.7
62.5°	216.7	216.1	220.3	221.4	221.9	227.1	224.5
65°	188.5	189.0	185.3	183.8	185.9	187.4	186.4
67.5°	165.0	161.8	158.7	155.1	151.9	153.5	151.9
70°	142.0	139.4	134.2	129.0	126.9	123.7	122.2
72.5°	123.7	117.5	112.2	105.5	101.8	98.1	95.5
75°	109.6	100.8	93.5	86.1	80.9	75.7	74.7
77.5°	95.0	86.7	78.3	70.5	62.6	56.9	54.8
80°	83.5	75.7	65.8	56.4	48.0	40.7	38.1
82.5°	73.1	64.7	54.8	44.9	35.5	27.7	24.5
85°	64.2	55.3	45.4	35.5	26.1	17.8	13.6
87.5°	57.4	47.5	37.6	28.2	18.3	9.9	5.2
90°	51.2	41.8	32.4	22.4	13.1	5.2	0.0
92.5°	45.4	36.5	27.1	18.3	9.9	3.1	0.5
95°	40.2	32.4	23.0	14.6	7.3	2.1	0.5
97.5°	36.0	28.2	19.8	12.0	5.7	1.6	0.5
100°	32.4	24.5	17.2	9.9	4.7	1.0	0.5
102.5°	28.7	21.9	14.6	8.4	3.7	0.5	0.5
105°	25.6	19.3	12.5	7.3	3.1	0.5	0.5
107.5°	23.0	17.2	11.0	6.3	2.1	0.5	0.5
110°	20.4	14.6	9.4	5.2	1.6	0.5	0.5



TEST NUMBER: P1214084

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	18.3	13.1	8.4	4.2	1.0	0.5	0.5
115°	16.2	11.5	7.3	3.7	1.0	0.5	0.5
117.5°	14.1	9.9	6.3	2.6	0.5	0.5	0.5
120°	12.5	8.9	5.2	2.1	0.5	0.5	0.5
122.5°	11.0	7.3	4.2	1.6	0.5	0.5	0.5
125°	9.4	6.3	3.7	1.0	0.5	0.5	0.5
127.5°	7.8	5.2	2.6	1.0	0.5	0.5	0.5
130°	6.8	4.2	2.1	0.5	0.5	0.5	0.5
132.5°	5.7	3.1	1.6	0.5	0.5	0.5	0.5
135°	4.7	2.6	1.0	0.5	0.5	0.5	0.5
137.5°	3.7	2.1	1.0	0.5	0.5	0.5	0.5
140°	2.6	1.6	0.5	0.5	0.5	0.5	0.5
142.5°	2.1	1.0	0.5	0.5	0.5	0.5	0.5
145°	1.6	1.0	0.5	0.5	0.5	0.5	0.5
147.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5
150°	1.0	1.0	0.5	0.5	1.0	0.5	0.5
152.5°	1.0	0.5	0.5	0.5	1.0	0.5	0.5
155°	1.0	1.0	1.0	1.0	1.0	1.0	0.5
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)