

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: P1213381

Luminaire Tested: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213381
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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

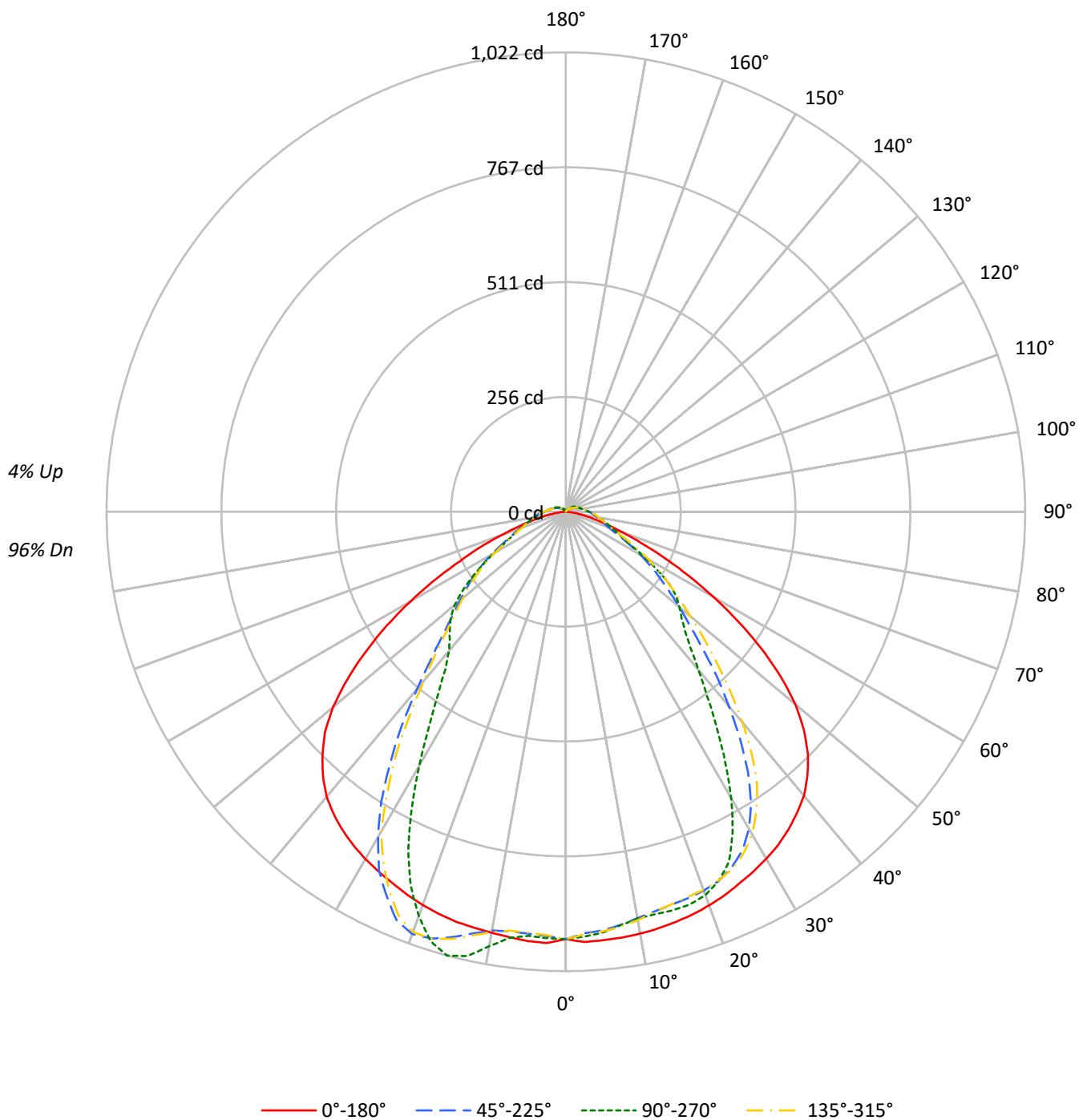
Lumens per Lamp: N/A
Luminaire Lumens: 2267.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7684	7684	7684	7684
5°	7740	7380	7756	7438
10°	7776	7073	7760	7553
15°	7837	6978	7833	7770
20°	7923	6868	7915	7239
25°	8020	6515	8016	6295
30°	8171	5647	8176	5003
35°	8331	4566	8355	3864
40°	8472	3677	8508	3239
45°	8442	3114	8487	3033
50°	8078	2867	8192	2803
55°	7168	2577	7346	2342
60°	5814	1973	6122	1809
65°	4322	1509	4656	1431
70°	2940	1303	3314	1246
75°	1924	1176	2240	1112
80°	1241	1096	1455	1008
85°	635	1094	840	999

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 8487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	4.0
10°-20°	268.8	11.9
20°-30°	408.6	18.0
30°-40°	438.3	19.3
40°-50°	380.4	16.8
50°-60°	281.9	12.4
60°-70°	161.5	7.1
70°-80°	89.4	3.9
80°-90°	54.5	2.4
90°-100°	35.4	1.6
100°-110°	23.7	1.0
110°-120°	16.0	0.7
120°-130°	9.8	0.4
130°-140°	5.2	0.2
140°-150°	2.4	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	767.7	33.9
0°-40°	1206.0	53.2
0°-60°	1868.3	82.4
0°-90°	2173.8	95.9
90°-120°	75.2	3.3
90°-150°	92.5	4.1
90°-180°	93.0	4.1
0°-180°	2267.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	951	951	951	951	951	
5°	957	940	959	947	957	91
15°	945	918	944	1022	945	267
25°	913	859	912	830	913	422
35°	863	584	866	495	863	540
45°	762	375	766	365	762	583
55°	532	281	545	255	532	471
65°	241	142	260	135	241	243
75°	69	90	80	86	69	79
85°	9	62	12	57	9	12
90°	0	52	1	48	0	0
95°	0	43	0	41	0	0
105°	0	32	0	30	0	1
115°	0	26	0	24	0	0
125°	0	20	0	16	0	0
135°	0	12	0	10	0	0
145°	0	7	1	6	0	0
155°	1	3	1	3	1	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°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	957.8	955.4	954.4	952.4	953.9	959.8	955.9	949.5	950.0	938.7	944.6
5°	956.8	953.9	952.4	950.5	951.4	956.8	952.9	946.5	946.0	934.7	940.1
7.5°	955.4	952.4	950.0	948.5	949.0	953.4	948.5	941.1	939.7	927.4	932.3
10°	952.9	950.9	947.5	945.1	944.6	949.5	941.6	934.2	930.8	918.0	923.0
12.5°	949.5	946.5	943.1	938.7	938.2	941.1	934.7	924.4	921.0	910.7	916.1
15°	944.6	941.1	937.2	932.3	929.8	931.8	923.9	914.6	914.1	905.3	912.6
17.5°	939.2	934.2	929.8	923.0	919.5	921.0	914.6	906.3	907.2	901.8	910.2
20°	931.8	926.4	919.5	912.6	907.7	910.2	905.8	899.4	900.8	896.9	904.3
22.5°	923.4	916.1	907.7	899.9	895.9	899.4	895.9	890.5	891.0	888.6	893.0
25°	912.6	904.3	894.5	884.6	882.7	885.1	883.2	878.7	876.8	872.8	874.8
27.5°	902.8	893.5	881.2	870.9	867.4	872.4	867.9	860.6	855.2	849.8	845.8
30°	891.5	880.2	866.5	854.7	851.7	853.7	847.3	836.0	821.8	814.9	804.1
32.5°	879.2	864.5	847.3	834.0	832.1	830.6	818.8	802.6	780.5	766.8	750.1
35°	863.0	846.8	826.2	810.0	807.0	798.7	779.5	757.9	729.4	705.8	677.4
37.5°	844.9	825.7	804.1	782.5	774.1	757.4	730.4	707.8	664.6	636.1	601.7
40°	824.2	801.1	774.6	748.6	734.8	707.8	676.9	643.5	601.7	563.4	534.4
42.5°	795.7	771.2	739.7	710.8	687.2	651.3	615.0	567.8	529.5	497.1	467.6
45°	761.8	732.4	696.0	661.1	631.2	588.4	545.7	498.6	466.6	428.8	408.7
47.5°	718.1	686.2	647.4	608.6	569.3	522.1	477.4	432.2	400.3	373.3	358.6
50°	666.5	637.1	594.3	548.2	504.9	455.8	411.1	377.2	346.3	329.6	318.3
52.5°	602.7	575.2	531.5	481.4	439.6	391.5	350.7	323.2	301.1	288.8	284.9
55°	531.5	507.4	464.2	417.5	374.8	330.6	299.6	275.6	261.3	253.9	254.4
57.5°	455.3	436.7	395.9	354.1	313.9	280.5	252.5	233.3	222.5	222.0	223.5
60°	379.2	365.4	330.1	294.2	258.9	231.8	211.2	198.0	191.1	191.6	191.1
62.5°	306.5	293.7	268.2	238.7	210.7	192.5	173.9	168.5	162.6	162.1	162.1
65°	241.2	231.4	210.7	189.6	168.5	156.7	147.4	141.0	136.6	135.6	136.1
67.5°	181.3	177.3	163.1	148.8	135.6	128.2	120.3	118.9	115.4	115.4	116.4
70°	135.1	132.1	124.3	115.9	110.5	105.6	101.7	101.7	101.2	100.7	103.2
72.5°	97.7	98.2	95.8	89.4	88.9	87.9	86.9	88.4	88.9	90.4	93.3
75°	68.8	70.2	70.2	69.3	71.2	73.7	75.2	77.6	80.6	82.5	86.0
77.5°	48.6	48.6	51.1	54.0	58.0	62.4	66.3	69.7	73.7	76.1	79.1
80°	31.4	32.9	36.8	42.2	47.6	53.5	58.9	63.4	67.3	71.2	73.2
82.5°	18.7	21.1	26.0	32.9	39.8	47.2	52.6	58.0	62.4	66.3	67.8
85°	9.3	12.8	18.7	26.0	33.4	41.3	48.1	53.0	58.0	61.4	63.4
87.5°	2.9	6.9	13.3	20.1	28.0	35.9	43.2	48.6	53.0	56.0	58.0
90°	0.0	3.4	9.3	16.7	24.1	31.9	38.8	44.7	49.1	51.6	53.0
92.5°	0.0	2.0	7.4	13.8	20.6	28.5	35.4	40.8	44.7	47.2	48.1
95°	0.5	1.5	5.4	11.3	18.2	25.5	31.9	36.8	40.8	43.2	43.7
97.5°	0.5	1.0	4.4	9.3	15.7	22.6	29.0	33.9	36.8	39.3	39.8
100°	0.5	1.0	3.4	8.4	13.8	20.1	26.0	30.5	33.9	35.9	36.3
102.5°	0.5	0.5	2.9	6.9	12.3	17.7	23.1	27.5	30.5	32.4	33.4
105°	0.5	0.5	2.5	5.9	10.8	15.7	20.6	25.1	27.5	29.5	30.5
107.5°	0.5	0.5	2.0	4.9	9.3	13.8	18.7	22.1	25.1	27.0	28.0
110°	0.5	0.5	1.5	4.4	7.9	12.3	16.2	19.6	22.6	24.6	25.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	0.5	1.5	3.9	6.9	10.8	14.2	17.7	20.1	22.1	23.6
115°	0.5	0.5	1.5	3.4	6.4	9.3	12.8	15.7	18.2	20.1	21.6
117.5°	0.5	0.5	1.5	2.9	5.4	8.4	11.3	14.2	16.2	18.2	19.6
120°	0.5	0.5	1.0	2.5	4.9	7.4	9.8	12.3	14.7	16.7	18.2
122.5°	0.5	0.5	1.0	2.5	3.9	6.4	8.8	10.8	13.3	14.7	16.2
125°	0.5	0.5	1.0	2.0	3.4	5.9	7.9	9.8	11.3	13.3	14.7
127.5°	0.5	0.5	1.0	2.0	2.9	4.9	6.9	8.8	10.3	11.8	12.8
130°	0.5	0.5	1.0	1.5	2.5	3.9	5.9	7.4	9.3	10.3	11.3
132.5°	0.5	0.5	0.5	1.5	2.0	2.9	4.4	6.4	7.9	9.3	9.8
135°	0.5	0.5	0.5	1.0	2.0	2.5	3.4	4.9	6.4	7.9	8.8
137.5°	0.5	0.5	0.5	1.0	1.5	2.5	2.9	3.9	5.4	6.4	7.9
140°	0.5	0.5	0.5	1.0	1.5	2.0	2.5	3.4	4.4	5.4	6.4
142.5°	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.9	3.4	4.4	5.4
145°	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	2.9	3.4	4.4
147.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.5	2.0	2.5	2.9	3.4
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	2.0	2.5	2.9
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.5
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	2.0	2.0
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

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	942.6	943.6	949.5	949.0	948.0	947.0	947.0	946.0	947.0	949.5	948.5
5°	937.7	939.2	943.6	943.1	942.1	941.6	941.1	939.7	940.6	944.1	943.1
7.5°	928.8	930.3	934.2	932.3	930.8	931.8	929.3	927.9	929.8	933.3	932.8
10°	919.5	920.5	925.4	924.4	922.0	922.5	920.0	919.0	921.5	923.4	923.9
12.5°	913.1	916.6	921.0	920.5	920.0	920.5	918.0	917.1	918.5	920.5	920.0
15°	911.7	916.1	921.0	921.0	921.5	922.0	919.5	918.0	919.5	921.0	920.5
17.5°	910.2	915.6	920.0	919.5	920.0	921.0	917.1	916.1	918.0	920.0	919.0
20°	905.3	910.2	913.1	912.1	912.1	912.6	907.7	907.7	910.7	912.1	912.6
22.5°	891.5	897.4	897.4	895.0	895.0	893.0	891.5	888.6	892.0	894.5	896.4
25°	870.9	873.3	870.4	865.0	862.0	859.6	852.7	858.6	858.6	866.0	868.4
27.5°	841.9	836.5	828.2	816.9	814.4	806.5	802.1	803.6	806.0	816.4	824.2
30°	794.3	778.0	763.8	758.9	748.1	740.2	732.4	736.3	740.7	746.6	762.8
32.5°	731.4	715.7	692.6	684.2	672.9	663.1	653.8	659.7	667.5	671.5	689.1
35°	659.2	640.5	619.4	605.1	593.4	588.0	576.2	584.5	592.9	595.8	611.0
37.5°	582.6	563.4	544.7	532.5	521.2	517.7	509.9	515.8	522.1	526.6	539.3
40°	509.9	492.2	477.9	469.6	461.7	458.8	455.8	458.3	463.2	466.6	476.5
42.5°	447.5	433.2	423.4	418.5	413.1	409.2	409.7	410.6	413.1	420.5	424.9
45°	393.0	384.6	378.2	377.2	373.8	373.3	372.8	374.8	376.3	380.7	384.1
47.5°	349.2	345.8	344.3	346.3	347.8	345.8	346.8	349.2	352.2	352.2	351.7
50°	314.9	315.8	317.8	322.2	325.2	326.2	327.1	330.1	330.6	331.6	330.1
52.5°	286.9	287.8	293.2	300.1	303.6	305.0	307.0	309.9	309.9	310.9	309.0
55°	258.4	259.8	265.2	272.1	275.1	277.0	279.0	281.0	282.4	284.4	282.9
57.5°	226.9	231.4	234.8	236.8	238.7	240.2	241.7	242.2	245.1	245.6	248.1
60°	193.5	194.5	198.0	197.5	196.0	199.9	198.0	201.4	204.8	209.2	209.7
62.5°	161.6	162.1	164.5	163.6	165.5	165.0	166.5	166.5	169.0	170.9	173.4
65°	136.6	137.0	139.0	139.0	138.5	140.0	141.5	142.4	142.4	143.9	145.9
67.5°	117.9	119.4	121.3	122.3	123.3	123.3	124.8	125.3	126.2	126.7	127.7
70°	105.1	107.1	109.0	110.0	110.5	111.5	112.0	112.0	113.0	113.5	114.4
72.5°	95.8	97.7	99.2	99.2	100.2	100.7	100.7	101.2	101.7	102.7	103.6
75°	87.9	89.4	90.4	89.9	89.9	89.9	90.4	90.4	91.4	92.3	93.3
77.5°	80.6	82.0	82.0	81.0	81.0	81.0	81.0	81.5	82.0	83.0	84.0
80°	75.2	75.2	74.7	74.7	73.7	73.2	73.2	73.7	73.7	74.7	76.1
82.5°	69.3	69.3	68.8	68.3	67.8	67.3	67.3	67.8	68.3	68.8	69.7
85°	63.9	63.9	62.9	62.9	62.4	62.4	62.4	62.4	62.9	63.4	64.3
87.5°	58.5	58.0	57.5	57.0	57.0	57.0	57.0	57.0	57.5	58.5	58.9
90°	53.0	52.6	52.1	52.1	51.6	51.6	52.1	52.1	52.6	53.0	53.5
92.5°	48.1	47.6	47.2	47.2	46.7	46.7	47.2	46.7	47.6	47.6	48.1
95°	43.7	43.2	42.7	42.7	42.7	42.7	42.7	42.7	43.2	43.2	43.7
97.5°	39.8	39.3	38.8	38.8	39.3	38.8	39.3	39.3	39.3	39.8	40.3
100°	36.3	35.9	35.9	36.3	35.9	35.9	36.3	36.3	36.3	36.3	36.8
102.5°	33.4	33.4	33.4	33.4	33.4	33.4	33.9	33.9	33.9	33.9	34.4
105°	30.5	30.9	30.9	30.9	31.4	31.4	31.4	31.9	31.9	31.9	31.9
107.5°	28.5	29.0	29.0	29.5	29.5	30.0	30.0	30.0	30.0	30.5	30.5
110°	26.5	27.0	27.5	28.0	28.0	28.5	28.5	28.5	28.5	28.5	28.5

TEST NUMBER: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	24.6	25.1	25.5	26.5	27.0	27.0	27.0	27.0	27.5	27.5	27.0
115°	22.6	23.6	24.1	25.1	25.5	25.5	26.0	26.0	26.0	26.0	25.5
117.5°	20.6	22.1	22.6	23.6	24.1	24.1	24.6	24.6	24.6	24.6	24.1
120°	19.2	20.1	21.1	21.6	22.1	22.6	22.6	23.1	23.1	23.1	22.6
122.5°	17.7	18.7	19.6	20.1	20.6	21.1	21.1	21.1	21.1	21.1	21.1
125°	15.7	16.7	17.7	18.2	18.7	19.2	19.2	19.6	19.6	19.6	19.2
127.5°	14.2	15.2	15.7	16.7	17.2	17.2	17.7	17.7	17.7	17.7	17.2
130°	12.3	13.3	14.2	14.7	15.2	15.2	15.7	15.7	15.7	15.7	15.7
132.5°	10.8	11.8	12.3	13.3	13.3	13.8	13.8	14.2	14.2	14.2	13.8
135°	9.8	10.3	10.8	11.8	11.8	12.3	12.3	12.3	12.3	12.3	12.3
137.5°	8.8	9.3	9.8	10.3	10.3	10.8	10.8	10.8	10.8	11.3	10.8
140°	7.4	8.4	8.8	8.8	9.3	9.3	9.3	9.8	9.8	9.8	9.3
142.5°	6.4	6.9	7.4	7.9	8.4	8.4	8.4	8.4	8.8	8.4	8.4
145°	4.9	5.9	6.4	6.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4
147.5°	3.9	4.4	5.4	5.9	5.9	6.4	6.4	6.4	6.4	6.4	6.4
150°	3.4	3.4	4.4	4.9	5.4	5.4	5.4	5.4	5.4	5.4	5.4
152.5°	2.5	2.9	3.4	3.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4
155°	2.5	2.5	2.9	2.9	3.4	3.4	3.4	3.4	3.9	3.4	3.4
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: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	947.0	946.5	948.5	946.5	936.7	940.6	939.2	944.6	945.1	946.5	951.4
5°	942.1	942.1	944.6	942.6	933.3	937.2	936.7	942.1	943.1	944.1	949.5
7.5°	932.3	932.8	936.2	934.7	924.9	930.8	930.3	936.7	938.7	940.6	945.5
10°	923.0	922.5	926.4	924.9	915.6	922.5	922.0	928.4	931.3	934.7	940.6
12.5°	918.0	916.6	918.0	916.6	906.3	911.7	912.1	919.5	923.0	927.4	934.2
15°	918.0	915.6	915.6	912.6	900.8	904.3	904.8	909.7	914.1	918.5	926.9
17.5°	917.1	914.6	914.1	911.7	898.9	898.9	898.4	901.8	904.3	908.7	917.5
20°	911.7	910.7	910.2	908.7	896.9	895.0	894.0	894.0	895.4	896.9	905.8
22.5°	897.4	898.4	899.4	900.4	891.0	887.6	888.1	887.1	885.6	885.6	893.0
25°	870.9	875.8	879.7	884.1	878.7	876.3	879.2	877.8	875.3	873.3	879.7
27.5°	828.6	839.0	847.3	858.1	858.6	856.6	864.5	863.5	863.0	860.1	865.0
30°	770.2	786.4	797.7	813.4	826.7	828.6	841.9	843.9	845.8	844.4	849.3
32.5°	699.5	721.6	740.7	765.3	778.0	789.3	808.0	815.9	823.7	826.2	831.6
35°	622.3	647.4	670.0	697.0	717.1	741.7	764.3	776.1	793.8	800.6	808.5
37.5°	549.2	572.7	594.8	621.8	654.3	679.8	707.8	734.3	758.4	768.2	780.0
40°	484.3	503.5	524.6	548.2	577.6	611.0	641.5	678.3	706.8	726.5	743.7
42.5°	435.2	444.5	462.7	483.8	507.4	541.3	572.2	613.5	647.9	675.9	704.4
45°	391.5	395.9	409.2	420.5	444.5	474.5	507.4	547.7	583.5	619.4	653.8
47.5°	354.1	359.6	365.9	372.8	390.0	415.1	443.5	479.9	515.8	557.5	596.8
50°	329.1	330.6	331.6	334.5	344.8	362.0	385.1	416.0	450.4	495.1	536.9
52.5°	307.0	307.0	304.0	302.6	306.5	317.3	330.6	352.7	388.0	429.3	473.5
55°	283.4	279.0	278.0	273.1	274.1	279.0	285.4	302.6	331.6	366.9	409.7
57.5°	250.5	248.5	248.5	246.6	242.6	245.1	246.6	258.9	279.5	309.9	347.3
60°	212.7	211.7	214.2	214.7	211.2	212.7	212.2	219.6	234.3	258.9	289.8
62.5°	174.9	179.3	179.8	181.7	179.8	179.3	181.7	188.1	195.5	214.2	238.2
65°	146.9	149.3	149.8	152.3	151.3	151.3	153.3	158.2	162.6	175.4	194.0
67.5°	128.7	127.7	128.2	129.7	128.2	127.7	129.2	132.1	135.6	143.4	156.7
70°	114.4	113.5	113.5	113.5	111.5	110.0	110.5	111.5	113.0	117.4	125.7
72.5°	103.6	103.6	102.2	100.7	99.2	98.2	97.3	96.3	95.8	97.3	101.7
75°	93.8	94.3	93.8	92.3	90.4	88.4	86.4	84.5	82.0	81.0	81.5
77.5°	85.0	85.5	86.0	85.5	83.5	81.0	78.1	75.2	71.7	68.3	66.3
80°	77.1	78.1	78.6	78.1	76.6	74.7	71.2	67.8	62.9	58.5	53.5
82.5°	70.2	71.7	72.2	72.2	71.2	69.3	65.3	61.4	56.0	50.1	43.7
85°	64.8	65.8	66.8	66.8	66.3	64.3	60.4	56.0	50.6	43.7	36.8
87.5°	59.4	59.9	60.9	61.9	60.9	58.9	55.5	50.6	45.2	38.3	30.5
90°	54.0	54.5	55.5	56.5	56.0	54.0	51.1	46.7	40.8	33.4	25.5
92.5°	48.6	49.6	50.1	50.6	51.1	49.6	47.2	42.7	36.8	29.5	22.1
95°	44.7	44.7	45.7	46.2	46.7	45.2	43.2	38.8	33.4	26.5	19.2
97.5°	40.8	40.8	41.8	41.8	42.2	41.3	39.3	35.4	30.0	23.6	16.2
100°	36.8	37.3	37.8	38.3	38.3	37.8	35.9	31.9	27.0	21.1	14.2
102.5°	34.4	34.4	34.9	34.9	35.4	34.4	32.4	29.0	24.1	18.7	12.3
105°	31.9	31.9	32.4	32.4	31.9	30.9	29.0	26.0	21.6	16.2	10.8
107.5°	30.0	30.0	30.0	30.0	29.5	28.5	26.5	23.1	19.2	14.7	9.8
110°	28.5	28.0	28.0	27.5	27.0	25.5	23.6	20.6	17.2	12.8	8.4

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CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	27.0	26.5	26.0	25.5	24.6	23.1	21.1	18.7	15.2	11.3	7.4
115°	25.5	25.1	24.6	23.6	22.6	21.1	19.2	16.7	13.3	9.8	6.4
117.5°	24.1	23.6	22.6	21.6	20.6	19.2	17.2	14.7	11.8	8.8	5.9
120°	22.1	21.6	21.1	20.1	19.2	17.2	15.2	13.3	10.3	7.9	4.9
122.5°	20.6	20.1	19.2	18.7	17.2	15.7	13.8	11.8	9.3	6.9	4.4
125°	18.7	18.2	17.7	16.7	15.7	13.8	12.3	10.3	8.4	5.9	3.4
127.5°	17.2	16.7	15.7	14.7	13.8	12.3	10.8	9.3	7.4	4.9	3.4
130°	15.2	14.7	14.2	13.3	12.3	10.8	9.8	7.9	6.4	4.4	2.9
132.5°	13.3	13.3	12.8	11.8	10.8	9.8	8.4	6.9	5.4	3.9	2.5
135°	12.3	11.8	11.3	10.3	9.8	8.4	7.4	5.9	4.4	3.4	2.0
137.5°	10.8	10.3	9.8	9.3	8.4	7.4	6.4	4.9	3.9	2.9	2.0
140°	9.3	8.8	8.8	7.9	7.4	6.4	5.4	4.4	3.4	2.5	1.5
142.5°	8.4	7.9	7.4	6.9	6.4	5.4	4.4	3.4	2.9	2.0	1.5
145°	7.4	6.9	6.4	5.9	5.4	4.4	3.9	2.9	2.5	2.0	1.5
147.5°	5.9	5.9	5.4	4.9	4.4	3.9	3.4	2.9	2.0	1.5	1.0
150°	4.9	4.9	4.4	3.9	3.9	3.4	2.9	2.5	2.0	1.5	1.0
152.5°	4.4	3.9	3.9	3.4	3.4	2.9	2.5	2.0	1.5	1.5	1.0
155°	3.4	3.4	3.4	2.9	2.9	2.5	2.0	2.0	1.5	1.0	1.0
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: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	952.4	946.5	951.4	960.3	959.3	958.3	957.3	959.3	965.7	962.2	956.8
5°	950.9	945.1	950.5	958.8	958.3	956.8	955.9	957.8	964.2	960.8	954.9
7.5°	948.0	942.6	946.5	954.9	954.9	953.9	952.9	954.9	960.8	957.8	951.9
10°	943.1	939.2	943.1	950.9	951.4	949.5	948.5	950.9	956.8	955.4	950.5
12.5°	939.2	935.2	939.7	947.5	948.0	946.0	944.6	947.5	955.4	956.4	954.9
15°	933.8	930.3	935.7	944.1	944.1	942.6	942.6	946.5	957.3	961.8	964.2
17.5°	925.9	923.4	929.8	938.2	938.7	937.7	938.2	946.0	960.3	971.1	978.0
20°	916.1	915.1	922.0	930.8	932.3	932.8	935.2	947.0	966.7	981.4	988.3
22.5°	904.3	904.8	912.6	922.0	923.9	925.4	930.3	947.0	971.6	987.3	990.2
25°	891.0	892.5	900.8	912.1	914.6	917.5	925.9	947.5	973.1	983.4	978.5
27.5°	876.8	879.7	890.5	902.3	905.3	910.2	921.0	944.6	966.2	966.7	948.5
30°	862.0	865.5	878.3	892.0	896.9	901.8	915.1	937.7	949.5	933.8	901.8
32.5°	845.3	850.3	863.0	879.7	885.6	892.0	905.3	924.4	920.0	886.1	840.4
35°	824.2	831.1	845.8	865.5	870.9	879.2	888.6	893.0	873.3	825.2	773.6
37.5°	798.2	808.5	825.7	848.3	854.2	859.6	862.0	849.8	810.5	758.4	704.9
40°	768.2	783.9	802.6	827.7	833.6	833.6	824.7	798.7	749.1	680.8	621.4
42.5°	731.9	751.0	774.6	799.7	805.6	798.7	777.6	731.9	675.4	599.3	536.4
45°	687.7	713.2	739.7	765.8	768.7	753.5	715.7	657.7	588.0	517.2	457.3
47.5°	635.1	668.5	697.5	727.0	723.0	697.5	646.9	581.1	507.4	440.6	392.5
50°	576.2	615.5	647.9	675.9	667.5	632.2	572.7	504.0	430.8	373.8	334.0
52.5°	513.3	558.5	590.9	613.5	602.2	560.0	494.6	428.8	368.9	316.8	290.3
55°	448.0	493.6	527.0	544.7	530.0	484.3	420.0	360.0	303.6	269.7	253.9
57.5°	384.6	427.3	458.8	473.0	454.4	408.7	349.2	298.6	257.9	229.4	221.5
60°	323.7	358.6	388.5	399.3	379.2	337.0	285.9	245.6	215.6	196.0	192.1
62.5°	267.2	295.7	319.3	327.6	308.0	275.1	230.9	200.9	179.8	170.0	165.0
65°	220.5	237.2	261.3	259.8	248.1	217.6	185.2	164.1	150.3	143.9	141.0
67.5°	173.4	188.6	203.8	205.8	191.1	170.0	148.8	133.6	126.2	122.8	121.3
70°	134.1	145.4	154.7	152.3	144.4	131.1	117.9	109.5	106.6	105.1	105.1
72.5°	104.1	110.0	114.4	111.5	106.6	99.7	93.3	89.9	90.4	91.4	92.3
75°	80.6	82.0	83.0	80.1	79.1	74.7	74.2	74.7	77.6	80.6	82.0
77.5°	61.9	59.9	58.5	55.5	56.0	55.5	58.0	61.9	66.3	70.7	74.7
80°	47.6	43.2	39.8	36.8	38.3	40.8	45.7	51.6	57.5	62.4	67.3
82.5°	36.8	30.5	25.5	22.6	25.5	29.5	35.9	43.2	50.1	55.5	60.9
85°	28.5	21.1	15.2	12.3	15.2	21.1	28.0	36.3	43.7	49.6	55.0
87.5°	22.1	15.2	8.4	4.9	8.4	14.7	22.6	30.5	37.8	44.7	50.1
90°	17.7	10.3	3.9	1.0	4.4	10.3	17.7	25.5	32.9	40.3	45.7
92.5°	14.2	7.4	2.0	0.0	2.5	7.9	14.7	22.1	29.5	36.3	41.8
95°	11.8	5.9	1.5	0.0	2.0	5.9	11.8	19.2	26.0	32.9	37.3
97.5°	9.8	4.4	1.0	0.0	1.0	4.9	9.8	16.2	23.1	29.5	33.9
100°	8.4	3.9	1.0	0.0	1.0	3.9	8.4	14.2	20.1	26.0	30.5
102.5°	6.9	2.9	0.5	0.5	0.5	2.9	7.4	12.3	17.7	23.1	27.5
105°	6.4	2.5	0.5	0.5	0.5	2.5	6.4	10.8	15.7	20.6	24.6
107.5°	5.4	2.0	0.5	0.5	0.5	2.0	5.4	9.3	14.2	18.7	22.1
110°	4.4	2.0	0.5	0.5	0.5	2.0	4.4	8.4	12.3	16.2	19.6

TEST NUMBER: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	3.9	1.5	0.5	0.5	0.5	1.5	3.9	7.4	10.8	14.7	17.7
115°	3.4	1.5	0.5	0.5	0.5	1.5	3.4	6.4	9.3	12.8	15.7
117.5°	2.9	1.5	0.5	0.5	0.5	1.0	2.9	5.4	8.4	11.3	14.2
120°	2.5	1.0	0.5	0.5	0.5	1.0	2.5	4.9	7.4	9.8	12.3
122.5°	2.5	1.0	0.5	0.5	0.5	1.0	2.0	3.9	6.4	8.4	10.8
125°	2.0	1.0	0.5	0.5	0.5	0.5	2.0	3.4	5.4	7.4	9.3
127.5°	2.0	1.0	0.5	0.5	0.5	0.5	1.5	2.9	4.4	6.4	8.4
130°	1.5	1.0	0.5	0.5	0.5	0.5	1.0	2.5	3.9	5.4	6.9
132.5°	1.5	1.0	0.5	0.5	0.5	0.5	1.0	2.0	2.9	4.4	5.9
135°	1.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.5	3.4	4.4
137.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.0	2.5	3.9
140°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0	2.9
142.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.5
145°	1.0	0.5	0.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	2.0
147.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.5
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	955.9	944.6	950.5	948.5	950.5	955.4	954.9	953.4	954.4	951.9	949.5
5°	953.9	942.6	948.5	946.0	948.5	953.4	952.4	950.9	952.4	949.5	947.0
7.5°	951.4	941.1	948.0	947.5	951.9	958.3	958.8	958.8	962.2	957.8	955.9
10°	951.4	946.0	955.4	958.8	970.1	978.5	979.4	981.4	987.3	986.3	981.4
12.5°	961.8	960.8	974.5	982.9	993.2	1005.0	1011.4	1013.3	1017.3	1014.3	1012.3
15°	975.0	979.9	995.2	1004.5	1015.8	1024.6	1026.1	1027.1	1030.0	1025.6	1022.2
17.5°	992.7	995.6	1007.9	1011.9	1019.2	1020.7	1018.7	1013.8	1013.8	1004.0	1001.1
20°	1001.1	999.6	1004.5	998.1	995.2	986.3	978.0	968.6	968.1	957.8	956.8
22.5°	993.7	983.9	973.5	957.8	950.9	938.2	926.9	921.5	918.0	904.8	901.3
25°	967.6	943.6	928.4	909.7	893.0	878.3	867.4	856.1	845.3	834.5	829.6
27.5°	922.5	899.9	875.3	849.3	826.2	803.6	785.4	774.1	763.8	749.6	742.2
30°	867.0	835.5	808.5	783.5	745.6	718.1	702.9	680.3	672.4	666.1	652.3
32.5°	801.6	763.8	727.0	693.1	654.3	628.7	608.6	591.9	587.0	570.3	566.3
35°	729.4	679.8	638.1	604.7	576.7	545.7	529.0	517.7	507.9	496.6	494.6
37.5°	644.4	599.7	552.6	523.1	501.0	474.5	461.7	453.9	449.4	441.1	439.6
40°	559.0	514.3	481.9	452.4	438.6	424.4	415.1	411.6	409.7	406.7	403.8
42.5°	481.4	442.1	419.0	399.3	393.4	386.6	384.1	386.1	384.1	383.1	382.6
45°	415.5	385.6	369.4	363.5	362.0	360.0	362.0	365.4	365.9	365.0	365.0
47.5°	355.6	341.4	334.5	335.5	337.9	339.4	342.9	347.3	348.3	345.8	346.8
50°	316.3	308.0	306.5	310.4	315.8	317.8	321.7	325.2	324.7	323.7	322.7
52.5°	279.5	277.0	281.0	284.9	290.8	291.8	293.2	294.7	294.2	292.3	291.3
55°	248.5	250.5	253.9	255.4	259.8	259.3	259.8	259.8	257.9	256.9	255.4
57.5°	220.5	221.0	223.0	223.5	225.9	225.0	224.5	223.5	220.5	220.1	218.6
60°	192.1	191.1	195.5	192.1	194.0	192.1	191.6	189.1	186.2	185.7	184.7
62.5°	165.0	163.1	166.0	164.5	165.5	163.6	162.6	159.6	157.2	156.7	156.2
65°	141.0	140.0	142.9	142.4	143.4	141.0	140.0	138.0	136.1	135.6	135.1
67.5°	120.8	123.3	124.8	124.8	125.7	125.3	122.8	122.3	121.8	119.9	119.9
70°	106.1	107.6	110.5	111.0	110.5	111.5	109.5	109.0	108.6	107.6	107.1
72.5°	94.3	96.3	99.2	99.7	99.2	99.2	98.2	97.7	97.7	96.3	96.3
75°	85.0	87.4	89.9	89.9	89.9	88.9	87.9	87.9	86.9	86.4	85.5
77.5°	77.1	80.1	82.0	81.5	81.0	80.1	80.1	78.6	77.1	77.1	76.1
80°	71.2	73.2	74.7	74.2	73.7	72.2	71.7	70.2	69.3	67.8	67.8
82.5°	64.8	67.3	68.3	67.8	66.8	65.3	64.8	63.9	62.9	62.4	61.4
85°	59.4	61.9	62.4	61.4	60.4	59.4	58.9	58.5	58.0	57.0	57.0
87.5°	54.0	56.5	56.5	56.0	55.0	54.5	54.0	53.5	53.0	52.6	52.1
90°	49.6	51.6	51.6	51.1	50.6	50.1	49.6	49.1	48.6	48.1	48.1
92.5°	45.2	47.2	47.2	46.7	46.2	45.7	45.7	45.2	44.7	44.2	43.7
95°	41.3	43.2	43.2	43.2	42.7	42.2	42.2	41.8	41.3	41.3	40.8
97.5°	37.3	39.3	39.3	39.3	38.8	38.3	38.3	37.8	37.8	37.8	37.3
100°	33.9	35.4	35.9	35.9	35.4	35.4	35.4	34.9	34.9	34.9	34.4
102.5°	30.5	31.9	32.9	32.9	32.9	32.4	32.4	32.4	32.4	32.4	31.9
105°	27.5	29.0	30.0	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
107.5°	25.1	26.5	27.5	28.0	28.5	28.5	29.0	29.0	29.0	29.0	29.0
110°	22.6	24.1	25.5	26.0	26.5	27.0	27.0	27.5	27.0	27.0	27.0

TEST NUMBER: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	20.1	22.1	23.1	24.1	24.6	25.1	25.5	25.5	25.5	25.5	25.5
115°	18.2	20.1	21.1	22.1	23.1	23.6	23.6	24.1	24.1	24.1	23.6
117.5°	16.2	18.2	19.2	20.1	20.6	21.6	22.1	22.1	22.1	22.1	21.6
120°	14.7	16.2	17.2	18.2	19.2	19.6	20.1	20.1	20.1	20.1	20.1
122.5°	12.8	14.2	15.7	16.7	17.2	17.7	18.2	18.2	18.2	18.2	18.2
125°	11.3	12.8	13.8	14.7	15.2	16.2	16.2	16.2	16.2	16.2	16.2
127.5°	9.8	11.3	12.3	13.3	13.8	14.2	14.7	14.7	14.7	14.7	14.7
130°	8.4	9.8	10.8	11.8	12.3	12.8	12.8	13.3	13.3	13.3	13.3
132.5°	7.4	8.4	9.3	10.3	10.8	11.3	11.3	11.8	11.8	11.8	11.8
135°	5.9	7.4	7.9	8.8	9.3	9.8	9.8	10.3	10.3	10.3	10.3
137.5°	4.9	5.9	6.9	7.9	8.4	8.4	8.8	8.8	9.3	9.3	9.3
140°	3.9	4.4	5.9	6.4	6.9	7.4	7.9	7.9	7.9	7.9	7.9
142.5°	2.9	3.9	4.4	5.4	5.9	6.4	6.9	6.9	6.9	6.9	6.9
145°	2.5	2.9	3.4	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9
147.5°	2.0	2.5	2.9	3.4	3.9	4.4	4.9	4.9	4.9	4.9	4.9
150°	1.5	2.0	2.5	2.5	2.9	3.4	3.9	4.4	4.4	4.4	4.4
152.5°	1.5	1.5	2.0	2.0	2.5	2.9	3.4	3.4	3.4	3.4	3.4
155°	1.0	1.5	1.5	1.5	2.0	2.0	2.5	2.9	2.9	2.9	2.9
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: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	950.9	952.9	951.9	950.5	950.0	952.4	950.0	938.7	943.1	943.6	947.0
5°	949.5	950.9	950.0	949.0	947.5	950.5	947.5	935.7	940.1	940.6	944.1
7.5°	959.3	959.8	959.8	957.3	953.4	954.9	950.9	937.7	940.1	940.1	942.6
10°	983.9	984.8	986.3	979.9	975.0	971.1	965.7	949.5	949.0	945.1	945.1
12.5°	1015.8	1013.3	1010.9	1007.9	1004.0	999.1	991.2	972.1	965.7	959.3	952.9
15°	1025.1	1024.1	1023.6	1022.2	1019.7	1018.2	1012.3	993.2	983.9	976.0	964.7
17.5°	1000.6	1002.5	1008.9	1009.4	1012.3	1018.2	1017.3	1004.0	995.6	992.2	978.5
20°	956.4	956.8	964.7	968.1	980.9	990.7	998.1	996.6	994.7	998.6	988.3
22.5°	903.3	906.7	915.1	920.5	932.8	944.1	955.9	962.2	972.6	988.8	986.8
25°	831.1	835.5	847.3	856.1	873.3	890.5	906.3	917.5	929.8	960.8	971.1
27.5°	744.6	751.5	766.8	775.6	799.7	817.3	839.9	862.0	879.2	914.6	935.7
30°	653.8	659.7	675.9	688.2	708.8	732.9	761.3	792.8	821.3	857.1	883.7
32.5°	568.8	575.2	588.4	599.3	622.3	642.5	673.9	712.7	739.2	788.9	824.2
35°	494.6	500.5	509.9	519.2	538.3	559.0	586.0	623.8	657.7	709.3	754.0
37.5°	442.6	443.5	449.0	454.4	468.6	484.3	505.4	538.8	570.3	625.8	674.9
40°	405.2	405.2	408.2	409.7	416.0	425.4	438.6	464.7	490.7	532.9	592.9
42.5°	382.1	381.2	381.2	381.7	381.2	385.6	393.4	405.7	428.8	463.7	510.3
45°	365.0	363.0	361.5	358.1	356.1	356.1	356.6	361.0	374.3	396.9	434.7
47.5°	345.8	345.3	342.9	338.9	335.5	333.0	329.1	327.6	331.6	344.3	369.9
50°	323.7	321.2	318.8	315.8	311.9	309.5	302.1	302.6	299.1	305.0	318.3
52.5°	291.3	289.3	288.3	285.9	284.4	283.4	277.5	271.6	270.2	271.1	276.1
55°	255.4	256.4	252.5	254.4	253.9	249.5	247.1	242.6	241.2	240.7	243.1
57.5°	218.1	219.1	216.6	218.6	218.6	216.1	214.7	214.7	211.2	208.3	211.7
60°	184.2	182.2	183.7	186.2	186.2	184.7	183.7	183.7	181.3	180.3	182.7
62.5°	156.7	154.7	156.2	158.7	159.1	158.2	157.2	157.2	154.2	154.2	156.2
65°	135.6	136.1	135.6	137.5	137.5	138.0	137.0	136.1	132.6	134.1	133.6
67.5°	120.3	119.9	119.9	121.8	121.3	122.3	121.3	119.9	117.4	115.4	114.9
70°	107.6	107.1	107.1	108.1	108.6	108.6	108.1	107.1	103.6	101.7	100.2
72.5°	96.3	95.8	96.3	96.8	97.3	97.7	97.3	96.3	93.3	90.9	88.4
75°	86.0	85.5	86.9	86.9	87.4	87.4	87.9	87.4	85.0	82.0	79.1
77.5°	75.6	76.1	77.6	78.1	79.1	79.6	80.1	80.1	77.6	75.2	71.2
80°	67.3	68.3	69.3	69.7	70.7	72.2	72.7	73.2	71.2	68.8	64.3
82.5°	61.4	61.9	62.9	63.4	64.8	65.3	65.8	66.8	65.8	63.4	58.5
85°	56.5	57.0	58.0	58.0	58.9	59.9	60.4	60.9	60.4	58.0	53.0
87.5°	52.1	52.6	53.0	53.5	54.0	54.5	55.0	55.5	55.0	52.6	48.1
90°	48.1	48.1	48.6	48.6	49.1	49.6	50.6	50.6	50.1	48.1	43.7
92.5°	43.7	44.2	44.2	44.7	45.2	45.7	46.2	46.2	45.7	43.7	39.8
95°	40.8	40.8	41.3	41.3	41.8	41.8	42.2	42.2	41.8	39.8	35.9
97.5°	37.3	37.3	37.3	37.3	37.8	37.8	38.3	38.3	37.8	35.9	32.4
100°	34.4	34.4	34.4	34.4	34.4	34.9	34.9	34.9	34.4	32.4	29.0
102.5°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	30.9	29.5	26.0
105°	30.5	30.5	30.5	30.0	30.0	30.0	29.5	29.5	28.0	26.5	23.6
107.5°	28.5	28.5	28.5	28.0	28.0	27.5	27.0	27.0	25.5	24.1	21.1
110°	27.0	27.0	27.0	26.5	26.0	25.5	25.1	24.6	23.1	21.1	18.7

TEST NUMBER: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	25.5	25.5	25.1	25.1	24.6	24.1	23.1	22.6	21.1	19.2	16.7
115°	23.6	23.6	23.6	23.1	22.6	22.1	21.6	20.6	19.2	17.2	14.7
117.5°	21.6	21.6	21.6	21.1	20.6	20.1	19.6	18.7	17.2	15.2	13.3
120°	19.6	19.6	19.6	19.2	18.7	18.2	17.7	16.7	15.2	13.8	11.3
122.5°	18.2	18.2	17.7	17.2	16.7	16.2	15.7	14.7	13.8	11.8	9.8
125°	16.2	16.2	15.7	15.7	15.2	14.7	14.2	13.3	11.8	10.3	8.8
127.5°	14.7	14.2	14.2	14.2	13.8	13.3	12.3	11.8	10.3	8.8	7.4
130°	12.8	12.8	12.8	12.3	12.3	11.8	10.8	9.8	8.8	7.9	6.4
132.5°	11.3	11.3	11.3	11.3	10.8	10.3	9.3	8.8	7.9	6.4	5.4
135°	10.3	10.3	9.8	9.8	9.3	8.8	8.4	7.4	6.4	5.4	4.4
137.5°	8.8	8.8	8.8	8.4	8.4	7.9	6.9	6.4	5.9	4.9	3.9
140°	7.9	7.9	7.4	7.4	6.9	6.9	6.4	5.4	4.9	3.9	3.4
142.5°	6.9	6.9	6.4	6.4	5.9	5.9	5.4	4.9	3.9	3.4	2.5
145°	5.9	5.9	5.4	5.4	5.4	4.9	4.4	3.9	3.4	2.9	2.5
147.5°	4.9	4.9	4.9	4.4	4.4	3.9	3.9	3.4	2.9	2.5	2.0
150°	4.4	4.4	3.9	3.9	3.9	3.4	2.9	2.9	2.5	2.0	1.5
152.5°	3.4	3.4	3.4	3.4	2.9	2.9	2.5	2.5	2.0	1.5	1.5
155°	2.9	2.9	2.9	2.5	2.5	2.5	2.0	2.0	1.5	1.5	1.0
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: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	945.5	945.1	949.5	949.0	943.1	951.9	957.8
5°	943.1	942.6	946.5	947.5	941.1	950.5	956.8
7.5°	941.1	940.6	945.1	946.5	940.1	948.5	955.4
10°	941.6	939.2	943.1	944.1	938.2	947.0	952.9
12.5°	945.1	939.2	940.6	940.6	935.2	943.1	949.5
15°	953.4	941.1	939.2	937.7	930.8	938.2	944.6
17.5°	962.7	946.0	939.2	934.2	925.9	932.3	939.2
20°	972.1	951.4	940.1	932.3	921.0	926.9	931.8
22.5°	976.5	956.4	941.1	929.3	915.1	918.0	923.4
25°	970.6	954.4	939.2	924.9	907.7	908.2	912.6
27.5°	949.0	944.6	934.7	920.5	901.8	899.4	902.8
30°	912.1	924.4	924.9	914.6	895.0	890.0	891.5
32.5°	860.6	888.1	904.3	902.3	885.1	878.3	879.2
35°	801.1	835.5	870.9	882.7	870.4	865.0	863.0
37.5°	729.9	776.1	823.2	852.2	850.3	846.8	844.9
40°	651.3	706.8	762.8	809.0	823.2	823.2	824.2
42.5°	567.3	632.2	693.6	752.0	785.4	792.8	795.7
45°	486.3	551.6	618.4	685.7	730.4	753.5	761.8
47.5°	412.6	478.4	541.8	615.5	674.9	704.9	718.1
50°	349.7	398.8	465.7	538.8	603.7	640.5	666.5
52.5°	297.7	336.0	394.4	462.7	528.0	578.6	602.7
55°	253.9	280.0	329.6	388.5	450.9	503.5	531.5
57.5°	217.1	237.7	271.6	320.7	373.3	425.4	455.3
60°	184.7	198.9	222.0	260.8	305.5	350.2	379.2
62.5°	156.7	166.0	181.3	209.7	244.6	279.5	306.5
65°	135.1	139.0	147.4	165.0	191.6	218.1	241.2
67.5°	114.0	116.4	122.8	133.6	146.9	166.0	181.3
70°	98.2	98.2	98.7	105.1	112.0	124.3	135.1
72.5°	85.5	84.0	81.0	82.5	84.0	90.9	97.7
75°	75.2	71.7	66.8	64.8	63.9	64.8	68.8
77.5°	66.3	61.4	55.5	50.6	46.7	45.2	48.6
80°	58.9	53.0	46.2	39.8	33.4	30.0	31.4
82.5°	53.0	45.7	38.3	30.9	23.6	18.7	18.7
85°	46.7	39.8	31.9	24.1	16.7	10.3	9.3
87.5°	42.2	34.9	26.5	19.2	11.8	5.4	2.9
90°	37.8	30.5	22.6	15.2	8.4	2.5	0.0
92.5°	33.9	27.0	19.6	12.3	5.9	1.5	0.0
95°	30.5	24.1	16.7	10.3	4.9	1.0	0.5
97.5°	27.0	21.1	14.7	8.4	3.4	1.0	0.5
100°	24.6	18.7	12.8	6.9	2.9	0.5	0.5
102.5°	21.6	16.7	10.8	5.9	2.5	0.5	0.5
105°	19.2	14.7	9.3	4.9	2.0	0.5	0.5
107.5°	17.2	12.8	8.4	4.4	2.0	0.5	0.5
110°	15.2	11.3	7.4	3.9	1.5	0.5	0.5

TEST NUMBER: P1213381

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	13.8	9.8	6.4	3.4	1.0	0.5	0.5
115°	11.8	8.8	5.4	2.9	1.0	0.5	0.5
117.5°	10.3	7.4	4.9	2.5	1.0	0.5	0.5
120°	8.8	6.4	3.9	2.0	0.5	0.5	0.5
122.5°	7.9	5.4	3.4	2.0	0.5	0.5	0.5
125°	6.9	4.9	2.9	1.5	0.5	0.5	0.5
127.5°	5.9	3.9	2.5	1.0	0.5	0.5	0.5
130°	4.9	3.4	2.0	1.0	0.5	0.5	0.5
132.5°	3.9	2.9	2.0	1.0	0.5	0.5	0.5
135°	3.4	2.5	1.5	1.0	0.5	0.5	0.5
137.5°	2.9	2.0	1.0	1.0	1.0	0.5	0.5
140°	2.5	1.5	1.0	1.0	1.0	1.0	0.5
142.5°	2.0	1.5	1.0	1.0	1.0	1.0	0.5
145°	1.5	1.0	1.0	1.0	1.0	1.0	0.5
147.5°	1.5	1.0	1.0	1.0	1.0	1.0	0.5
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)