

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: P1213318

Luminaire Tested: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

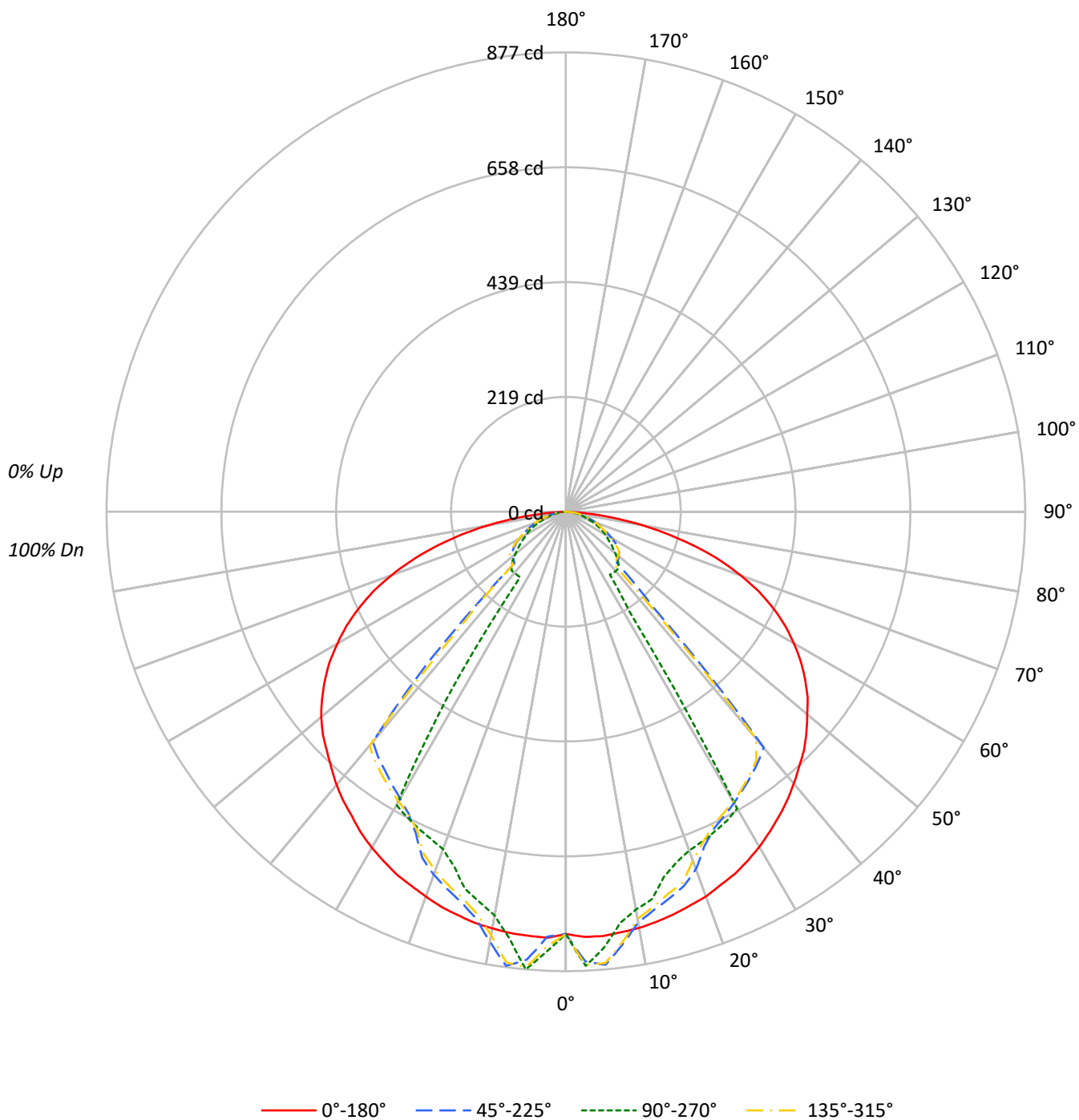
Lumens per Lamp: N/A
Luminaire Lumens: 1614.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87		
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75		
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65		
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41		
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13027	13027	13027	13027
5°	13118	13124	13112	13774
10°	13095	11866	13113	12048
15°	13088	10978	13118	11326
20°	13144	10414	13144	10374
25°	13218	10214	13237	10118
30°	13308	10034	13340	9915
35°	13414	2286	13442	2384
40°	13574	2376	13654	2453
45°	13834	2363	13882	2450
50°	14080	2137	14270	2194
55°	14419	1897	14533	1924
60°	14662	1687	14694	1708
65°	14760	1470	14723	1447
70°	14329	1186	14285	1142
75°	12998	913	13094	874
80°	10129	648	10534	592
85°	4997	389	5279	298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 57.5°

Luminance: 15089 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	4.9
10°-20°	218.0	13.5
20°-30°	323.0	20.0
30°-40°	325.4	20.2
40°-50°	254.2	15.7
50°-60°	196.3	12.2
60°-70°	131.8	8.2
70°-80°	67.2	4.2
80°-90°	18.7	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	620.3	38.4
0°-40°	945.7	58.6
0°-60°	1396.2	86.5
0°-90°	1614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1614.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	806	806	806	806	806	
5°	813	836	813	877	813	77
15°	795	722	797	745	795	225
25°	763	673	764	667	763	352
35°	710	146	711	153	710	445
45°	643	142	645	147	643	496
55°	557	103	562	105	557	498
65°	438	69	437	68	438	430
75°	257	35	259	34	257	268
85°	46	11	49	8	46	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	812.3	815.2	817.4	818.9	819.7	819.7	820.0	820.4	825.2	827.4	828.9
5°	813.0	816.0	820.4	826.3	831.5	835.9	839.6	844.8	849.9	855.5	857.3
7.5°	809.7	813.4	822.2	833.0	842.9	849.9	854.7	858.1	860.7	861.0	862.9
10°	806.7	813.4	825.6	839.6	852.2	860.7	860.7	858.8	861.4	851.4	841.5
12.5°	801.6	808.9	825.6	844.0	855.9	859.2	857.7	850.3	835.2	823.0	817.4
15°	795.3	805.3	825.9	846.6	856.6	857.7	843.7	824.8	813.4	806.0	796.8
17.5°	788.3	801.6	826.3	847.0	850.7	845.5	818.9	807.1	795.3	777.9	765.4
20°	781.6	794.5	823.4	841.8	844.0	820.8	800.1	787.5	767.6	752.4	746.9
22.5°	771.3	786.4	820.8	834.8	826.3	799.3	779.4	759.4	741.3	736.9	730.3
25°	762.8	778.7	814.9	826.3	803.8	779.8	756.5	733.2	724.7	718.4	712.5
27.5°	751.3	770.9	807.1	810.8	779.8	758.7	724.7	714.4	706.6	699.6	697.0
30°	738.8	762.8	796.4	789.4	759.8	728.8	703.7	694.1	688.5	681.1	678.2
32.5°	724.4	750.6	784.6	764.6	738.4	699.6	683.4	676.0	668.6	663.0	644.6
35°	709.6	739.9	770.5	741.0	712.5	677.4	663.0	656.4	649.4	629.1	609.8
37.5°	694.4	728.1	753.5	715.5	678.2	654.5	642.4	635.0	619.1	593.2	583.6
40°	677.1	713.6	731.7	689.3	648.3	631.3	619.8	612.4	576.6	565.2	562.2
42.5°	659.7	699.6	705.1	663.8	623.5	606.5	596.9	572.5	548.2	542.3	543.4
45°	643.1	684.5	676.0	627.6	597.7	583.6	567.4	533.8	520.8	523.8	524.5
47.5°	623.1	666.4	645.3	591.4	571.1	557.0	520.8	500.5	498.7	502.7	504.9
50°	601.7	646.0	612.8	558.5	542.3	525.6	484.6	474.3	476.5	480.6	483.2
52.5°	581.8	623.1	579.2	527.8	513.8	475.8	448.1	449.9	453.6	458.4	459.9
55°	557.4	595.4	543.4	496.8	483.5	433.7	421.1	425.5	429.2	433.3	436.2
57.5°	531.9	563.7	500.9	462.1	440.7	396.3	397.5	400.4	403.0	407.8	168.4
60°	502.7	527.5	454.3	430.0	387.5	366.8	367.9	373.1	375.7	209.8	116.0
62.5°	472.4	485.4	412.2	393.4	338.7	337.2	342.4	344.6	234.6	110.8	108.6
65°	437.7	435.1	370.9	340.9	305.5	307.0	312.5	301.4	103.8	103.8	103.1
67.5°	399.3	383.8	330.6	282.2	273.3	276.7	282.6	98.6	96.0	96.8	94.2
70°	355.3	333.6	288.9	239.0	241.9	245.3	95.3	89.4	88.3	86.4	81.3
72.5°	308.8	278.9	236.4	207.6	209.4	131.5	83.5	80.5	76.8	73.1	67.6
75°	256.7	217.9	173.6	173.6	176.2	75.0	72.8	68.0	63.9	59.1	55.8
77.5°	201.3	167.7	134.8	140.0	68.3	62.8	58.7	53.6	50.2	47.3	45.4
80°	147.4	117.1	101.6	90.9	53.2	47.7	43.6	40.6	39.2	37.3	35.1
82.5°	96.8	70.6	70.6	42.8	37.3	32.9	31.8	29.6	28.1	27.0	25.9
85°	46.2	41.0	31.0	26.2	23.3	21.1	20.3	19.2	19.2	18.8	18.5
87.5°	17.0	18.5	13.7	13.3	12.6	12.2	12.6	12.6	12.9	12.6	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	832.6	835.5	837.8	841.5	846.3	850.3	854.0	859.2	867.3	869.5	871.4
5°	857.3	858.4	861.0	864.0	864.7	866.6	866.2	868.4	869.5	872.1	866.6
7.5°	858.8	852.9	845.9	839.6	835.2	831.1	828.5	832.6	834.8	836.6	831.1
10°	827.8	820.8	816.7	813.0	808.6	802.3	793.8	795.6	794.9	794.9	793.1
12.5°	808.2	798.2	787.9	778.7	774.6	774.2	774.6	778.7	778.7	778.3	776.1
15°	777.5	767.9	762.8	760.6	760.6	759.4	759.4	763.9	762.8	762.8	761.7
17.5°	757.2	750.6	746.9	744.3	743.2	745.0	747.3	749.1	749.5	748.0	742.1
20°	740.6	734.3	729.9	730.6	730.3	731.4	732.5	726.2	718.4	708.1	703.3
22.5°	723.2	718.4	715.1	715.1	710.7	703.7	693.3	691.1	690.0	685.2	681.1
25°	706.6	701.1	696.3	681.5	672.3	673.4	671.5	667.8	667.5	667.1	668.6
27.5°	690.0	675.6	657.1	654.9	651.2	650.8	653.1	654.9	654.9	656.4	658.2
30°	655.7	639.0	635.7	631.6	633.1	638.3	639.4	642.0	642.7	645.3	646.8
32.5°	624.3	616.9	613.9	615.8	620.6	625.0	627.6	628.7	630.5	632.8	634.6
35°	598.8	596.6	599.1	603.2	608.0	611.7	613.9	616.1	618.0	619.8	621.3
37.5°	579.9	581.4	585.1	590.3	595.1	598.0	599.9	602.5	605.0	607.3	598.4
40°	562.2	565.9	570.0	575.5	579.6	582.5	584.4	587.7	565.5	256.0	140.4
42.5°	546.7	550.7	553.7	558.1	562.6	564.8	548.5	244.9	138.5	137.8	139.6
45°	527.8	531.2	536.0	539.3	543.4	356.8	136.3	137.8	135.6	137.0	137.8
47.5°	508.6	513.8	516.4	492.8	146.6	135.6	134.1	135.6	134.1	135.9	134.8
50°	486.8	493.1	350.9	132.6	131.5	130.8	132.2	131.5	132.6	134.1	131.1
52.5°	464.7	287.7	128.5	127.8	128.5	127.8	130.4	128.5	128.9	127.4	123.7
55°	157.4	124.5	123.4	123.0	125.2	125.2	125.2	122.3	120.4	116.7	114.1
57.5°	120.4	120.4	120.0	120.4	119.7	118.9	115.6	113.0	110.4	105.3	103.8
60°	114.1	114.1	114.1	114.1	110.8	109.3	104.2	101.9	97.5	94.9	93.5
62.5°	109.0	108.2	104.9	103.8	100.1	96.0	93.1	90.9	86.4	85.0	83.8
65°	101.6	99.0	94.9	90.5	88.7	84.2	82.7	79.4	77.2	76.1	75.4
67.5°	89.4	85.7	82.4	79.4	76.1	74.6	72.8	70.2	68.7	68.0	67.2
70°	76.5	73.9	70.6	68.7	66.5	65.4	62.8	62.1	60.9	59.8	58.7
72.5°	63.9	62.4	60.9	58.4	57.6	56.9	54.3	52.8	51.3	49.9	49.1
75°	53.6	52.5	51.7	49.5	48.4	46.2	44.3	43.2	42.1	41.0	40.3
77.5°	44.0	43.2	41.0	39.5	38.8	36.9	36.2	36.6	35.8	34.4	33.6
80°	34.4	33.6	31.8	31.8	31.0	30.3	29.6	28.8	28.1	27.0	26.2
82.5°	26.2	25.5	24.7	24.0	23.3	22.9	22.5	21.8	21.1	20.3	19.9
85°	18.5	18.1	17.7	17.4	17.0	16.6	16.3	15.5	14.8	14.4	14.0
87.5°	12.6	12.2	11.8	11.5	11.1	10.7	10.3	10.0	9.2	8.9	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	871.4	873.2	871.4	867.3	864.7	863.6	865.8	865.8	867.3	869.2	869.5
5°	857.7	853.3	848.1	842.9	840.3	838.9	834.8	835.5	836.6	837.4	838.1
7.5°	823.7	817.8	810.8	804.1	801.6	799.3	794.5	794.5	794.5	794.9	797.1
10°	789.0	786.4	783.5	779.0	775.7	774.6	770.5	771.6	770.9	772.0	774.6
12.5°	772.7	769.8	767.2	762.8	759.1	757.6	755.8	756.9	756.5	758.3	760.6
15°	758.0	756.5	753.5	750.2	746.9	743.9	737.3	735.1	733.6	731.7	734.3
17.5°	733.6	723.2	716.2	711.1	707.4	704.8	702.9	702.9	704.0	705.1	707.4
20°	700.3	697.4	694.1	688.5	684.8	683.4	682.2	682.2	684.1	685.6	689.6
22.5°	677.4	677.1	676.0	673.4	671.5	671.5	671.9	672.6	675.2	677.4	681.5
25°	666.7	668.2	667.5	666.0	664.9	665.3	664.5	665.3	667.8	670.1	673.4
27.5°	658.2	660.5	659.7	657.5	655.7	656.4	657.5	656.8	659.0	661.6	664.1
30°	646.8	647.2	648.6	646.0	645.3	646.4	646.8	647.5	649.7	651.6	653.8
32.5°	633.9	636.8	636.4	633.9	633.9	635.0	635.3	610.6	564.4	486.1	464.7
35°	621.3	624.6	619.1	521.9	361.3	192.8	148.9	143.7	144.8	145.5	146.3
37.5°	459.5	217.9	138.9	140.0	141.1	142.2	143.3	144.4	145.5	146.6	147.0
40°	138.1	137.8	138.9	140.4	141.5	142.2	143.7	144.8	145.9	147.0	147.4
42.5°	136.7	137.4	138.5	140.0	141.5	143.0	144.1	145.5	146.3	147.0	147.4
45°	135.9	137.4	138.9	140.0	141.1	141.8	142.6	143.0	142.6	142.6	143.3
47.5°	134.8	136.3	136.7	136.3	136.7	136.3	136.3	136.3	135.2	134.8	134.8
50°	130.8	130.8	130.0	128.5	128.2	127.8	127.1	126.7	125.2	124.9	124.9
52.5°	122.3	121.9	120.8	118.9	118.2	117.5	117.1	116.7	115.2	114.5	114.9
55°	112.3	111.6	110.4	108.2	107.9	107.1	106.8	106.4	104.9	105.6	104.5
57.5°	103.1	101.6	100.1	99.7	98.3	97.9	97.5	97.1	96.0	96.4	95.7
60°	92.0	91.6	90.9	89.4	89.4	89.0	89.0	88.3	87.5	87.2	87.2
62.5°	83.8	82.7	82.0	82.0	80.9	80.9	80.9	80.2	79.4	79.8	79.4
65°	75.0	74.6	74.2	73.5	73.5	73.1	73.1	72.4	71.3	71.7	70.9
67.5°	67.6	66.9	66.1	65.7	64.3	63.5	63.2	62.8	61.3	61.7	60.9
70°	58.4	57.3	56.5	55.8	54.7	53.9	53.9	53.2	52.1	52.5	51.7
72.5°	48.8	48.0	47.3	46.9	45.8	45.4	45.1	44.7	43.6	44.0	43.6
75°	40.6	40.6	40.3	39.9	38.8	37.7	36.9	36.6	35.8	36.2	35.5
77.5°	33.6	32.9	32.1	32.1	31.0	30.3	29.6	29.6	29.6	29.2	28.8
80°	26.2	25.5	25.5	25.1	24.4	23.6	23.3	23.3	22.9	22.9	22.5
82.5°	19.9	19.2	18.8	18.8	18.1	17.7	17.4	17.0	17.0	17.0	16.6
85°	14.0	13.3	12.9	12.9	12.2	11.8	11.8	11.5	11.5	11.1	11.1
87.5°	8.5	8.1	7.8	7.8	7.0	6.6	6.6	6.6	6.3	6.3	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	869.5	869.5	866.9	867.7	866.6	868.0	866.2	866.2	868.4	868.4	869.9
5°	838.5	836.6	836.3	835.5	831.8	833.3	831.5	829.6	832.2	832.2	835.5
7.5°	796.0	792.7	794.2	792.0	789.7	786.4	787.5	786.0	787.9	790.5	793.8
10°	774.2	771.3	773.1	770.9	772.0	767.2	767.6	767.9	769.8	770.5	773.5
12.5°	760.2	759.4	758.7	758.0	758.7	756.1	754.6	755.0	755.8	756.1	758.3
15°	730.6	725.8	727.3	722.1	722.5	722.9	719.9	722.9	722.5	727.3	731.7
17.5°	706.6	706.6	704.0	701.8	700.3	700.0	697.8	699.2	697.8	700.7	701.8
20°	690.0	689.6	689.3	688.2	684.5	684.8	685.9	682.6	682.2	681.9	684.1
22.5°	682.2	682.6	681.1	681.1	677.8	678.6	678.9	675.2	675.6	674.5	675.6
25°	674.1	674.9	673.0	673.0	672.3	671.9	670.1	670.8	668.6	666.7	668.6
27.5°	664.5	666.0	664.5	665.3	663.8	663.0	661.9	661.2	659.0	658.6	659.7
30°	655.7	656.4	656.0	654.2	653.8	651.6	652.7	650.5	648.3	648.6	649.4
32.5°	336.1	321.0	247.5	223.5	221.3	229.4	271.9	331.0	428.9	523.8	592.1
35°	146.6	146.6	146.6	146.3	146.3	145.9	145.5	145.2	144.8	144.4	144.1
37.5°	147.4	147.4	147.4	147.4	147.0	146.6	146.6	145.9	145.5	145.2	144.8
40°	147.8	148.1	148.1	148.1	147.8	147.8	147.4	146.6	146.3	145.5	144.8
42.5°	147.4	147.8	147.8	147.4	147.4	147.0	147.0	146.6	146.3	145.9	145.5
45°	142.6	143.0	142.2	142.2	141.8	141.8	141.8	141.8	141.8	142.2	142.2
47.5°	134.1	134.1	133.7	133.3	133.3	133.0	133.3	133.0	133.7	134.1	134.8
50°	124.1	124.1	123.4	123.0	123.0	123.0	123.0	123.4	123.7	124.5	125.2
52.5°	113.8	113.8	113.4	113.0	112.7	112.7	113.8	113.4	113.8	114.1	115.2
55°	103.8	104.2	103.4	103.4	103.1	103.1	103.1	103.4	103.8	104.2	105.3
57.5°	95.3	95.3	94.6	94.6	94.6	94.2	95.3	94.6	94.9	95.3	96.0
60°	86.8	86.4	86.4	86.1	86.1	86.1	86.8	86.4	86.4	86.8	87.5
62.5°	79.0	79.0	78.7	78.7	78.3	78.3	79.0	78.7	78.7	79.0	79.4
65°	70.2	70.2	69.8	69.4	70.6	69.4	70.6	69.8	70.6	70.9	71.7
67.5°	60.2	60.2	60.2	59.8	59.8	60.6	60.9	60.2	60.6	61.3	61.7
70°	51.3	51.3	51.0	51.0	51.0	51.7	52.1	51.3	51.7	52.1	52.8
72.5°	43.6	42.8	42.8	42.5	43.2	43.2	43.6	43.2	43.6	43.6	44.3
75°	35.8	35.1	35.1	35.1	35.8	35.5	35.8	35.5	35.8	35.8	36.2
77.5°	28.8	28.4	28.1	28.1	28.8	28.8	28.8	28.4	28.8	29.2	29.6
80°	22.5	22.2	21.8	21.8	22.5	22.5	22.5	22.9	22.5	22.9	23.3
82.5°	16.6	16.3	15.9	16.6	16.6	16.6	16.6	17.0	16.6	17.0	17.4
85°	11.1	10.7	10.3	11.1	11.1	11.1	11.1	11.5	11.1	11.5	11.8
87.5°	5.9	5.5	5.5	5.9	5.9	5.9	6.3	6.3	6.3	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	872.1	873.2	872.8	870.6	868.4	865.8	864.0	864.4	868.0	869.2	865.8
5°	835.5	842.6	842.6	847.4	844.8	842.6	844.0	852.2	856.2	862.5	864.7
7.5°	797.9	801.2	800.8	805.6	804.9	804.9	806.0	816.7	821.9	827.0	828.5
10°	776.8	780.1	779.8	780.1	779.0	776.4	776.4	781.2	785.7	788.3	789.0
12.5°	761.7	763.5	763.1	763.1	762.4	760.2	759.8	763.9	768.7	772.0	772.4
15°	739.1	744.3	745.4	750.2	749.1	746.2	746.9	750.2	753.2	756.1	755.0
17.5°	705.5	708.1	708.5	710.3	709.6	709.6	714.0	726.2	734.3	741.3	742.1
20°	686.3	688.2	687.4	691.5	689.6	689.3	690.4	695.5	699.2	702.6	708.5
22.5°	677.1	678.6	677.4	677.8	674.5	671.5	670.8	674.9	678.9	683.4	683.4
25°	669.3	670.4	670.1	669.3	666.7	662.7	661.9	662.7	664.1	664.5	661.9
27.5°	660.1	660.8	660.8	661.2	657.9	654.2	653.4	652.7	654.2	653.8	649.7
30°	650.5	649.4	649.7	650.1	647.2	643.8	642.4	642.0	643.5	643.1	639.0
32.5°	627.6	636.1	636.8	637.6	635.0	632.0	630.5	629.4	630.2	629.8	626.1
35°	143.7	146.3	179.1	405.6	550.7	609.8	616.1	614.7	615.0	615.0	612.1
37.5°	144.1	143.7	143.3	142.2	141.1	140.4	242.7	517.5	599.5	599.9	597.3
40°	144.1	143.7	143.3	142.6	141.1	140.0	138.1	136.7	140.0	308.1	563.7
42.5°	144.8	144.1	143.3	142.6	141.1	139.6	138.1	136.3	137.4	136.7	134.8
45°	142.6	142.2	142.2	141.8	141.1	139.6	137.8	135.6	134.5	135.6	133.7
47.5°	135.6	135.9	137.0	137.4	137.4	137.8	136.7	135.2	133.3	134.5	132.2
50°	126.0	126.7	127.1	128.9	129.7	131.1	131.5	131.5	131.1	132.6	131.1
52.5°	115.6	116.4	118.2	118.9	119.7	121.9	122.6	123.7	124.5	126.7	128.2
55°	105.6	106.0	106.8	108.2	109.3	111.2	112.3	113.4	115.2	116.4	120.8
57.5°	96.4	96.8	98.3	98.6	99.4	100.8	101.9	103.4	104.9	105.6	110.8
60°	87.5	87.9	89.0	89.4	89.8	91.2	92.3	93.5	94.6	95.3	99.0
62.5°	79.8	79.8	80.9	80.9	81.3	82.4	83.1	83.8	85.0	85.3	87.2
65°	72.0	72.4	73.1	73.1	73.5	74.2	74.6	75.0	76.1	76.1	77.6
67.5°	62.4	62.8	63.9	64.6	65.0	66.5	66.9	67.2	68.0	68.3	69.1
70°	53.2	53.6	54.7	55.0	55.4	56.5	57.3	58.4	59.5	60.6	61.3
72.5°	44.7	45.1	46.2	46.2	47.3	47.7	48.4	48.8	49.9	50.6	51.7
75°	36.6	36.9	38.0	38.0	39.2	39.5	39.9	40.3	41.0	41.7	42.5
77.5°	29.9	29.9	31.4	32.1	32.9	32.9	33.2	33.2	33.2	33.6	34.4
80°	23.6	23.6	24.7	25.5	26.2	26.2	26.6	27.0	27.3	27.3	27.7
82.5°	17.7	17.7	18.8	19.2	19.9	19.9	19.9	20.3	20.7	20.3	21.1
85°	12.2	12.2	12.9	13.3	14.0	14.0	14.0	14.4	14.8	14.4	14.8
87.5°	7.0	7.4	7.8	8.1	8.5	8.9	8.9	8.9	9.2	9.2	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	862.1	857.7	857.3	852.2	850.7	851.1	847.0	845.5	838.9	837.4	830.4
5°	865.5	867.7	866.6	866.2	867.3	866.6	863.6	862.1	861.0	858.1	852.2
7.5°	828.9	830.4	831.5	836.3	840.3	847.4	854.7	859.6	863.2	864.0	859.2
10°	791.6	798.6	803.4	810.8	816.7	820.8	825.2	829.3	840.0	850.7	857.0
12.5°	772.4	774.2	773.9	777.9	782.0	792.7	803.0	808.9	817.1	821.9	833.3
15°	756.1	756.5	757.6	760.6	762.8	766.5	771.3	780.1	796.4	803.8	810.1
17.5°	741.3	741.3	742.1	744.7	747.6	751.0	753.9	757.6	765.7	777.9	793.4
20°	717.7	728.1	729.2	728.8	730.3	736.5	737.3	743.9	748.0	752.8	767.9
22.5°	682.6	688.9	697.8	711.4	716.6	719.6	721.8	724.7	731.0	736.5	742.8
25°	663.4	667.5	670.1	674.1	684.8	702.2	705.5	708.8	712.9	717.0	724.7
27.5°	646.4	646.0	647.9	651.6	654.5	663.8	680.0	693.0	693.7	699.6	706.3
30°	634.2	632.0	629.4	628.7	632.8	637.6	642.4	662.7	676.7	679.7	686.7
32.5°	622.8	619.1	615.4	612.4	609.8	613.9	616.9	625.7	643.8	660.8	664.5
35°	608.7	605.0	600.6	597.3	593.2	592.9	592.5	601.0	606.9	627.2	644.9
37.5°	594.3	590.3	586.6	582.9	578.8	575.9	574.0	576.2	581.8	590.6	620.2
40°	579.2	574.4	570.7	567.7	562.2	560.0	556.3	554.8	555.2	562.9	578.5
42.5°	346.1	551.9	553.7	550.4	545.6	542.6	538.6	536.7	533.0	536.7	545.6
45°	133.3	134.8	403.7	533.4	527.5	523.8	520.1	518.2	514.2	511.2	519.4
47.5°	130.8	132.2	129.3	183.2	503.5	504.6	500.1	498.3	494.2	492.0	489.8
50°	128.9	130.0	127.8	128.5	126.0	461.4	479.8	477.6	473.2	470.6	466.2
52.5°	127.1	127.1	125.6	123.7	123.0	123.4	388.2	456.6	451.4	448.8	442.9
55°	121.2	121.9	123.4	120.4	119.7	119.3	118.2	369.8	427.4	424.4	419.2
57.5°	112.3	113.8	117.8	117.1	117.1	114.1	113.4	113.4	343.2	399.7	394.5
60°	101.9	103.4	107.9	109.3	110.4	109.7	109.0	108.6	107.1	361.6	368.3
62.5°	91.2	92.7	94.2	99.0	100.5	102.3	104.5	103.4	101.9	101.9	340.6
65°	79.8	82.0	82.7	87.2	89.0	92.3	94.2	96.8	96.0	95.7	97.5
67.5°	69.8	72.4	72.8	74.6	77.9	79.4	81.6	86.4	88.7	89.4	90.1
70°	61.3	62.8	63.9	64.6	66.9	67.2	71.3	74.6	77.9	81.6	82.7
72.5°	52.8	53.9	56.1	55.4	56.1	57.6	59.8	62.1	65.4	70.6	73.9
75°	43.2	44.0	45.4	46.2	47.7	48.8	50.2	52.1	55.0	57.6	62.1
77.5°	34.7	35.1	36.2	36.6	38.0	39.2	41.7	42.8	44.7	46.5	49.1
80°	28.1	28.1	28.4	28.4	29.6	30.7	32.5	33.6	35.8	37.3	37.3
82.5°	21.4	21.4	22.5	22.5	23.3	23.3	24.4	24.4	25.5	26.2	27.0
85°	15.1	15.5	16.3	15.9	16.6	16.3	17.0	17.7	18.1	17.7	17.4
87.5°	10.0	10.0	10.7	10.3	10.7	10.7	11.5	11.5	11.8	11.8	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	827.8	822.2	818.9	814.9	813.7	812.6	814.1	814.1	811.9	810.1	806.7
5°	847.0	841.1	834.8	828.2	821.9	815.2	812.6	812.3	808.2	806.0	804.9
7.5°	857.0	854.0	847.0	837.8	828.2	816.3	811.2	808.2	804.1	803.4	803.4
10°	858.1	854.7	851.1	844.4	833.3	817.8	807.8	801.9	798.2	800.8	805.6
12.5°	847.4	853.6	850.3	845.9	837.0	818.2	803.8	794.9	793.8	800.4	813.0
15°	820.0	838.5	847.7	843.3	836.3	817.4	797.1	786.8	786.8	800.4	816.7
17.5°	799.3	813.7	836.3	840.0	831.8	816.0	790.8	778.7	782.0	801.9	819.3
20°	782.3	791.2	813.0	833.7	825.9	812.6	781.6	769.1	775.7	799.7	823.0
22.5°	755.8	773.5	786.8	817.4	820.0	806.4	772.4	757.2	770.5	799.7	821.1
25°	729.9	751.3	765.4	795.3	811.2	798.6	763.9	744.7	765.0	798.6	819.7
27.5°	711.8	721.8	747.3	768.7	797.9	788.3	752.4	731.0	758.0	792.7	811.2
30°	692.6	699.2	724.4	744.7	780.1	776.4	740.6	715.9	749.1	787.2	789.0
32.5°	671.5	678.9	691.9	721.4	755.4	765.4	727.3	700.7	739.5	778.7	763.1
35°	650.1	655.7	666.0	697.8	726.6	748.7	711.1	683.4	732.9	765.7	738.4
37.5°	628.7	634.6	643.5	670.1	696.3	733.2	697.0	666.0	720.7	742.8	712.5
40°	608.4	611.7	620.9	637.6	671.2	717.3	681.1	647.9	708.1	713.6	677.4
42.5°	571.1	587.7	596.2	609.5	642.7	695.5	662.7	628.7	694.1	684.5	642.4
45°	530.8	567.0	570.7	584.0	617.6	672.3	645.3	609.8	680.8	659.3	609.1
47.5°	497.9	524.2	545.6	556.7	587.7	644.9	629.1	594.0	660.8	627.6	576.6
50°	468.7	482.8	521.6	529.7	551.9	612.1	609.8	575.5	633.1	587.7	544.8
52.5°	440.3	450.3	485.4	502.7	520.8	576.6	586.9	557.4	602.8	547.8	512.7
55°	415.6	418.9	438.1	474.7	490.9	540.8	561.8	536.3	564.4	509.7	481.7
57.5°	390.1	387.1	401.1	448.1	459.9	504.2	535.2	514.9	533.4	471.0	449.5
60°	363.5	359.4	365.3	396.3	427.0	468.0	503.8	491.3	495.7	432.5	413.7
62.5°	335.8	331.7	329.9	349.4	394.9	430.7	472.1	465.1	449.5	397.5	369.4
65°	307.0	302.9	299.9	307.7	359.4	382.3	436.6	434.8	398.9	360.5	311.0
67.5°	93.5	275.6	269.3	268.9	302.9	338.4	398.2	395.2	348.0	321.0	267.8
70°	84.2	223.5	237.5	234.2	249.0	293.7	354.2	352.0	298.5	257.5	236.8
72.5°	77.2	79.0	209.8	206.1	209.4	249.7	308.4	302.5	253.0	203.2	204.6
75°	66.1	69.4	72.4	174.0	169.5	206.9	258.6	249.3	208.7	167.7	171.0
77.5°	53.9	58.0	60.2	126.7	137.0	147.4	206.5	194.3	143.7	134.1	63.9
80°	40.3	43.6	47.3	50.6	104.2	103.1	153.3	141.1	100.1	83.5	49.9
82.5°	29.6	30.7	32.9	36.6	41.4	69.1	98.6	86.8	69.4	38.0	34.4
85°	18.5	19.9	21.1	22.2	25.1	41.4	48.8	38.8	29.2	23.3	21.8
87.5°	11.8	11.8	11.5	11.8	12.2	14.8	16.6	15.9	12.6	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	803.0	797.9	797.9	796.4	797.5	797.5	797.1	797.5	800.1	801.6	804.1
5°	802.7	801.2	804.5	808.6	813.4	819.3	820.8	825.9	830.7	837.0	843.7
7.5°	807.5	812.6	818.9	825.6	835.2	842.2	848.5	854.7	859.2	865.1	868.8
10°	814.5	824.8	835.5	844.0	854.4	860.3	864.4	865.1	858.8	848.8	840.7
12.5°	824.5	836.6	846.6	854.7	859.6	857.3	845.5	833.3	826.3	816.0	801.6
15°	833.0	844.0	854.4	851.1	838.1	825.9	816.7	802.3	788.3	778.7	772.4
17.5°	836.6	847.4	843.7	826.3	814.1	800.1	781.2	770.2	760.9	753.5	749.8
20°	838.9	837.0	817.1	804.5	780.9	767.9	755.8	745.4	738.4	734.7	734.0
22.5°	833.0	810.4	793.4	770.9	753.5	742.8	733.2	724.7	719.9	717.0	715.1
25°	813.4	787.2	762.0	744.3	729.5	720.3	712.9	705.9	700.0	698.5	694.8
27.5°	786.0	764.6	731.4	717.7	704.8	700.3	692.2	685.2	680.0	675.6	663.8
30°	763.5	729.5	705.5	693.0	685.2	680.0	670.8	663.4	654.5	638.3	631.6
32.5°	735.8	702.2	679.3	672.3	662.7	658.2	647.9	631.6	618.0	611.3	611.0
35°	700.0	672.3	655.7	649.4	641.6	634.2	612.8	598.0	591.4	592.1	597.7
37.5°	670.1	645.3	634.6	625.7	616.9	598.0	579.9	572.9	574.8	578.5	581.0
40°	639.8	620.9	608.7	601.7	581.8	563.3	553.7	556.3	559.6	562.2	565.5
42.5°	610.2	596.9	584.7	571.1	543.7	533.8	536.0	539.3	542.3	545.9	549.3
45°	582.1	570.3	556.3	525.3	511.6	514.2	517.5	520.1	524.5	527.1	530.4
47.5°	555.5	543.0	518.2	490.9	489.4	494.6	497.6	500.9	504.2	497.6	274.5
50°	525.6	512.7	475.0	464.7	468.0	472.8	476.5	479.8	427.4	169.9	130.8
52.5°	496.1	463.2	439.2	442.1	445.5	451.0	453.6	336.9	134.1	127.8	128.2
55°	463.2	421.1	414.1	417.8	420.7	426.3	282.6	123.7	123.0	122.6	125.6
57.5°	411.5	386.0	389.0	392.7	395.6	279.3	120.4	119.7	120.0	120.4	120.8
60°	365.3	359.8	363.1	366.4	259.3	116.4	114.1	114.5	116.0	114.9	111.9
62.5°	328.7	333.2	336.5	294.8	110.4	109.3	110.4	109.3	106.8	104.9	101.2
65°	300.7	305.1	307.7	103.8	103.4	104.9	103.8	100.1	96.0	90.9	89.8
67.5°	271.1	275.6	98.6	96.0	97.5	95.7	91.2	86.8	83.8	79.4	77.6
70°	240.5	103.1	89.4	89.0	86.4	83.5	78.7	74.2	70.6	68.7	66.9
72.5°	173.6	81.6	80.5	77.6	73.1	69.1	65.0	62.4	60.6	59.5	58.4
75°	72.4	70.9	67.6	62.4	58.0	56.1	53.2	51.3	50.6	48.4	47.7
77.5°	60.6	57.6	52.8	49.1	46.5	45.4	43.2	41.0	39.9	39.5	38.0
80°	46.5	42.5	40.3	38.4	37.7	35.1	32.5	31.4	30.7	30.3	29.2
82.5°	31.8	30.3	28.8	26.2	26.2	25.1	24.0	23.3	22.5	22.5	21.8
85°	20.7	19.6	19.2	18.1	18.1	17.4	17.0	16.6	16.3	15.9	15.5
87.5°	11.8	11.8	12.2	11.8	11.8	11.5	11.1	10.7	10.3	10.3	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	807.5	811.2	811.9	824.5	831.5	831.1	828.9	835.5	831.5	829.3	831.5
5°	850.3	854.7	858.4	872.1	876.9	879.1	878.8	882.5	879.5	876.9	876.9
7.5°	871.4	872.8	874.3	871.0	868.8	865.1	859.6	851.4	847.4	842.9	837.4
10°	836.6	831.8	833.7	827.0	821.5	817.4	812.3	805.6	800.1	796.0	789.7
12.5°	794.2	793.8	794.5	795.6	790.1	786.8	782.7	777.9	773.9	769.4	764.2
15°	768.3	768.7	771.6	770.5	768.7	766.8	762.4	760.9	757.2	752.4	749.5
17.5°	749.8	751.7	754.6	753.2	750.2	748.4	745.0	741.7	738.4	734.7	730.3
20°	733.6	735.4	737.3	735.4	729.9	727.3	722.9	712.5	705.1	697.8	691.1
22.5°	715.9	717.0	715.5	709.6	695.5	688.9	683.7	680.8	674.5	670.4	666.4
25°	693.7	687.4	677.8	671.2	665.6	662.7	660.5	660.1	659.3	658.6	656.8
27.5°	657.5	655.3	650.1	647.5	647.9	649.0	649.4	650.5	649.4	647.9	646.4
30°	630.5	631.6	632.0	632.8	634.6	635.7	636.1	637.6	636.8	635.7	635.0
32.5°	613.5	616.1	617.6	619.8	620.9	622.8	622.8	625.0	622.8	622.4	621.7
35°	599.5	601.7	602.5	605.8	606.9	608.7	608.7	610.6	608.7	589.9	465.8
37.5°	585.5	587.7	589.2	592.1	592.5	593.6	547.8	400.8	258.6	200.2	152.9
40°	568.8	571.4	572.9	574.0	403.4	256.0	176.2	143.3	143.3	144.4	145.5
42.5°	551.1	553.0	385.3	224.2	139.6	139.3	140.4	141.5	142.6	144.1	145.5
45°	433.3	218.7	138.9	135.6	136.7	138.1	139.6	141.1	143.0	144.4	145.2
47.5°	142.2	133.3	135.2	133.7	135.6	137.4	138.9	140.4	140.7	141.1	140.7
50°	131.5	131.5	132.6	132.6	134.1	134.8	134.8	134.8	133.3	133.0	131.9
52.5°	127.1	130.0	128.5	129.3	128.5	127.4	126.3	125.2	123.0	122.3	120.8
55°	124.9	126.0	122.3	121.2	119.7	116.7	115.2	113.8	111.9	111.2	109.3
57.5°	119.7	117.1	113.0	111.2	108.6	105.6	104.2	103.1	101.2	100.5	99.4
60°	110.1	104.9	102.3	100.1	97.1	94.6	93.5	92.7	91.2	90.9	89.8
62.5°	98.3	93.8	91.6	88.7	86.4	85.0	83.8	83.5	82.0	82.0	81.3
65°	85.3	83.1	81.3	78.3	77.2	75.7	75.4	75.0	74.2	73.9	73.1
67.5°	75.0	73.5	70.9	69.4	68.7	67.6	66.9	66.1	64.6	63.9	62.8
70°	65.7	64.6	62.1	60.9	59.5	57.6	56.5	55.8	54.7	53.9	52.8
72.5°	56.9	53.6	51.7	50.6	49.5	47.7	47.3	46.5	45.4	45.1	44.0
75°	45.8	43.2	42.1	41.4	40.3	39.2	39.2	39.2	38.0	37.7	37.3
77.5°	36.6	35.1	34.4	33.6	33.2	32.5	31.4	31.0	29.9	29.9	29.6
80°	28.1	27.3	26.6	26.2	25.9	25.1	24.4	24.0	22.9	22.9	22.5
82.5°	20.7	20.3	19.9	19.6	19.2	18.8	17.7	17.4	16.6	16.6	16.3
85°	14.8	14.4	13.7	13.3	13.3	12.9	11.8	11.5	10.7	10.7	10.7
87.5°	9.2	8.9	8.5	8.1	7.8	7.4	6.6	6.3	6.3	5.5	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	827.0	833.3	832.6	837.0	838.1	840.3	841.1	841.5	835.9	840.3	840.7
5°	875.8	876.9	877.7	879.5	881.3	881.7	879.9	877.7	878.4	876.9	873.2
7.5°	836.6	831.1	830.0	828.5	827.8	827.0	823.7	826.7	823.4	821.9	816.7
10°	788.6	783.5	783.1	783.1	784.2	783.8	783.1	781.6	784.6	782.7	781.6
12.5°	763.5	761.7	762.8	762.0	765.0	765.7	765.0	765.0	764.2	762.8	763.5
15°	748.4	746.9	748.0	746.9	749.1	749.5	747.6	748.7	746.9	745.0	744.3
17.5°	728.4	725.1	722.5	718.8	719.2	718.4	716.2	716.2	714.4	709.6	710.0
20°	690.0	686.7	685.2	685.2	687.0	687.8	687.4	688.2	686.3	685.6	682.6
22.5°	666.0	665.6	666.4	668.2	671.2	675.2	675.6	675.6	675.6	675.2	671.5
25°	657.5	657.5	658.2	660.8	663.0	666.0	666.7	667.5	666.7	666.7	663.4
27.5°	647.9	647.2	648.6	651.2	653.8	656.0	657.9	658.2	657.1	657.1	658.2
30°	636.1	635.7	637.6	640.1	642.4	644.6	646.4	647.9	646.4	646.4	645.3
32.5°	623.9	623.9	624.6	609.1	564.8	508.6	509.7	477.2	454.7	426.3	463.9
35°	389.3	283.3	243.4	206.1	179.9	162.9	162.5	157.0	154.4	152.6	152.2
37.5°	147.0	147.8	149.2	150.0	151.1	151.8	152.2	152.2	152.2	152.2	151.8
40°	146.6	148.1	149.2	150.3	151.4	152.2	152.2	152.6	152.9	152.9	152.9
42.5°	147.0	148.5	150.0	151.1	151.8	152.2	152.6	152.9	152.9	152.9	152.9
45°	146.6	147.4	147.4	147.8	147.8	147.8	148.1	148.1	147.8	147.4	148.1
47.5°	141.1	141.1	140.0	139.6	139.3	138.5	138.9	138.5	138.1	137.8	138.5
50°	131.5	130.0	129.3	128.5	128.2	127.4	127.8	127.4	127.1	126.3	127.4
52.5°	120.0	119.7	118.2	117.5	117.1	117.5	116.7	116.4	116.0	115.6	116.0
55°	109.0	107.5	107.1	106.4	106.0	106.4	106.0	105.6	105.3	104.9	105.3
57.5°	99.0	97.9	97.5	96.8	96.8	96.8	96.8	96.4	96.0	95.7	96.0
60°	89.4	88.7	88.3	88.3	87.9	87.9	87.9	87.5	87.2	87.2	87.5
62.5°	81.3	81.3	80.2	79.8	79.8	80.2	79.8	79.4	79.0	78.7	79.4
65°	72.8	71.3	70.9	70.2	69.4	69.8	69.4	69.1	68.7	68.3	69.1
67.5°	62.4	62.1	60.6	59.8	59.5	59.8	59.5	59.1	58.7	58.4	59.1
70°	52.5	52.5	51.0	50.6	50.2	50.2	49.9	49.9	49.5	49.1	49.9
72.5°	43.6	43.6	43.2	42.5	42.1	41.7	41.4	41.0	41.0	41.4	41.4
75°	36.2	35.5	34.0	34.4	34.0	33.6	33.6	33.2	32.9	33.6	33.2
77.5°	28.4	28.1	27.0	27.3	27.0	26.6	26.6	26.2	25.9	26.2	26.2
80°	21.4	21.4	21.1	20.7	20.7	20.3	19.9	19.9	19.6	19.9	19.9
82.5°	15.5	15.5	15.1	14.8	14.4	14.4	14.0	14.0	14.0	14.0	14.0
85°	10.0	9.6	9.6	8.9	8.9	8.9	8.5	8.5	8.5	8.5	8.5
87.5°	4.8	4.8	4.4	4.4	4.1	3.7	3.7	3.3	3.3	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	834.1	838.9	834.8	836.6	837.0	843.3	842.9	844.4	841.8	838.9	834.8
5°	876.5	874.3	871.4	878.4	874.7	879.1	880.6	883.6	883.6	883.2	879.9
7.5°	822.2	817.4	821.1	823.7	824.8	821.9	827.8	834.4	840.0	843.3	843.7
10°	779.8	781.2	780.9	782.0	784.6	784.2	787.9	791.6	793.1	795.3	796.0
12.5°	759.8	759.4	760.2	762.8	764.2	763.9	767.6	769.8	770.5	770.9	770.5
15°	743.9	741.3	743.2	743.6	744.7	744.7	749.1	752.4	753.9	754.6	753.9
17.5°	714.0	707.7	713.6	713.6	717.7	717.0	724.0	729.5	732.5	734.7	734.7
20°	684.5	681.5	683.7	683.0	685.9	685.6	690.0	693.7	696.3	698.1	700.3
22.5°	672.6	673.4	670.1	670.4	670.4	670.1	672.3	674.1	674.9	676.0	675.2
25°	664.9	665.6	664.5	662.7	661.9	662.7	663.8	666.0	666.4	665.6	663.0
27.5°	657.1	654.9	656.8	653.4	652.7	654.2	655.7	656.0	656.4	656.4	654.2
30°	645.3	643.5	645.3	643.8	642.4	643.8	644.9	644.9	645.7	646.0	643.5
32.5°	451.0	454.7	514.5	550.7	601.7	627.6	632.4	632.4	633.1	633.1	630.9
35°	153.7	154.0	166.6	180.6	210.5	247.5	295.9	321.0	406.0	507.5	605.8
37.5°	151.8	151.4	151.1	150.7	150.3	150.0	149.2	148.9	151.1	179.1	243.1
40°	152.6	152.2	151.4	151.1	150.7	150.0	149.6	148.9	148.1	147.4	146.6
42.5°	152.6	152.2	151.8	151.4	151.1	150.7	150.0	149.2	148.5	147.4	146.3
45°	147.4	147.4	147.8	147.8	148.1	148.1	148.1	147.8	147.8	147.4	145.9
47.5°	137.8	137.8	138.9	138.9	139.6	140.4	140.4	141.1	142.2	143.0	143.3
50°	126.7	126.7	127.8	128.2	128.9	130.0	131.1	131.5	132.6	134.1	135.6
52.5°	115.6	115.6	116.7	116.7	117.5	118.6	119.7	120.0	121.5	123.0	124.9
55°	105.3	105.3	106.0	106.4	106.8	107.5	108.6	108.6	110.1	111.2	113.0
57.5°	96.0	96.8	96.8	96.8	97.1	97.9	98.6	98.6	99.7	100.8	102.3
60°	87.2	87.9	87.9	87.9	88.3	88.7	89.4	89.4	90.1	90.9	92.3
62.5°	79.0	79.8	79.8	80.2	80.2	80.5	81.3	80.9	81.6	82.0	83.1
65°	68.7	69.4	69.8	70.2	70.6	71.3	72.4	72.0	73.1	73.9	75.0
67.5°	58.7	59.5	59.5	59.8	60.2	60.9	61.7	61.7	62.8	63.5	65.0
70°	49.5	50.2	50.2	50.6	51.0	51.7	52.5	52.1	53.2	53.9	55.0
72.5°	41.0	41.7	41.7	42.1	42.1	42.8	43.6	44.3	44.3	45.1	45.8
75°	33.2	33.6	34.0	34.0	34.4	34.7	35.5	36.2	36.6	36.9	37.7
77.5°	26.2	26.6	27.0	27.0	27.3	27.7	28.1	29.6	30.3	30.7	30.7
80°	19.9	20.3	20.3	20.3	20.7	21.1	21.8	21.8	23.3	23.3	23.6
82.5°	14.0	14.4	14.4	14.4	14.8	15.5	15.9	16.3	17.0	17.4	17.4
85°	8.5	8.9	8.9	8.9	9.2	9.6	10.3	10.7	11.1	11.1	11.5
87.5°	3.3	3.7	4.1	4.1	4.4	4.8	5.2	5.5	5.9	5.9	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213318

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	830.4	833.0	830.4	831.8	833.7	830.4	822.6	819.7	818.5	814.1	811.2
5°	876.5	876.5	875.4	878.4	878.0	872.8	864.7	861.0	857.3	852.5	848.8
7.5°	843.7	846.6	848.5	859.9	867.3	868.0	873.2	874.3	875.8	874.3	872.1
10°	796.4	795.3	800.4	811.2	817.4	820.8	830.7	835.5	839.6	847.7	856.2
12.5°	769.8	771.3	773.5	781.2	787.2	785.7	789.7	793.1	797.9	806.0	818.2
15°	752.1	753.5	755.8	761.7	765.4	763.5	765.7	767.9	771.3	775.3	782.7
17.5°	732.9	735.4	738.0	744.3	747.6	747.3	749.1	749.8	751.0	753.5	758.7
20°	702.9	711.1	716.2	724.7	729.5	728.8	732.1	733.2	734.7	737.3	739.5
22.5°	675.6	677.8	680.4	689.6	697.8	707.7	710.0	712.9	716.6	719.2	721.4
25°	660.1	658.6	659.7	666.0	670.4	671.2	674.5	684.1	694.1	698.5	703.7
27.5°	650.8	649.4	649.0	652.0	652.7	650.8	650.1	653.1	660.5	667.8	683.4
30°	640.9	639.0	637.6	640.1	641.2	638.7	633.9	631.3	635.7	637.6	643.8
32.5°	629.1	627.2	626.5	627.9	628.7	626.5	621.3	618.3	617.6	616.1	617.6
35°	615.8	613.9	612.8	613.2	614.7	612.8	608.4	604.7	602.8	598.8	595.8
37.5°	317.3	449.5	583.6	597.7	599.1	598.8	594.3	590.3	588.4	583.6	582.1
40°	145.2	162.2	243.4	318.0	458.8	582.9	578.8	574.8	571.4	570.0	564.4
42.5°	144.8	145.2	145.5	143.7	178.0	303.3	447.7	558.9	556.7	553.0	548.9
45°	144.8	143.0	144.4	142.2	143.0	142.6	177.7	286.6	510.1	533.0	531.2
47.5°	143.3	142.2	143.7	141.8	139.6	140.7	139.3	141.1	220.2	373.4	511.6
50°	136.7	137.4	140.0	139.6	137.8	139.3	136.7	138.9	137.0	150.3	289.6
52.5°	126.7	128.2	130.8	133.0	133.7	135.6	134.8	135.6	134.1	134.5	134.8
55°	114.9	116.7	118.9	122.3	123.7	126.7	128.9	130.0	131.9	131.5	128.5
57.5°	103.8	105.6	107.5	110.8	114.1	115.6	119.7	121.9	126.7	125.6	124.9
60°	93.5	94.9	96.8	97.5	101.6	104.2	107.9	110.1	116.4	117.8	120.0
62.5°	84.2	85.0	86.4	87.5	90.1	92.7	94.6	98.3	101.6	106.4	109.7
65°	75.7	76.5	77.6	78.3	78.7	82.4	83.5	87.5	88.7	93.8	96.8
67.5°	66.1	67.6	69.1	69.8	70.6	72.8	73.5	75.4	77.9	80.2	83.8
70°	56.1	57.3	58.7	59.8	61.3	62.8	65.0	66.1	68.0	69.4	72.4
72.5°	46.9	48.0	48.8	49.9	51.0	52.1	53.9	56.5	58.0	60.6	61.3
75°	38.0	39.2	39.9	40.6	41.7	42.5	43.2	45.8	47.3	49.5	51.7
77.5°	31.4	31.4	32.1	34.4	34.0	34.0	34.7	36.2	37.3	38.8	41.0
80°	24.4	24.7	25.1	27.0	27.3	27.7	27.3	28.4	29.6	29.9	31.4
82.5°	18.1	18.5	18.5	19.6	20.7	20.7	20.7	21.1	22.2	22.5	23.3
85°	12.2	12.6	12.9	13.3	14.0	14.4	14.8	14.8	15.5	15.9	16.3
87.5°	6.6	7.4	7.8	8.1	8.5	8.9	9.2	9.6	10.0	10.3	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	810.1	808.2	807.1	804.1	803.4	798.6	799.3	798.6	798.6	799.7	803.4
5°	844.8	835.9	833.7	827.4	822.2	813.4	807.8	804.9	800.4	798.6	801.2
7.5°	868.4	861.8	856.2	850.7	843.3	833.0	825.2	816.3	808.9	801.9	800.1
10°	864.4	871.7	871.7	868.4	861.4	851.1	841.8	830.7	817.8	806.7	800.1
12.5°	830.0	842.9	853.3	861.0	868.0	861.0	851.8	842.9	828.5	812.3	800.1
15°	792.3	805.6	818.5	834.8	851.8	858.8	858.4	848.1	835.2	818.2	801.2
17.5°	765.7	775.0	782.0	799.7	820.4	838.5	850.7	851.4	838.9	823.7	801.6
20°	745.8	752.4	758.3	768.3	786.4	808.6	831.1	843.7	841.5	824.8	802.7
22.5°	727.7	732.5	737.3	744.7	759.1	773.5	799.7	825.6	836.6	823.0	801.6
25°	709.6	714.8	718.4	723.6	735.1	746.9	765.4	797.5	822.2	821.5	799.3
27.5°	688.2	695.2	699.6	706.6	714.4	723.2	735.8	766.1	801.6	814.1	793.4
30°	662.3	672.6	679.3	687.0	693.7	701.5	711.4	729.9	773.9	799.7	787.2
32.5°	625.0	643.5	658.2	665.6	673.0	679.7	688.5	704.0	739.9	780.1	780.1
35°	598.4	606.9	620.2	641.6	650.8	657.5	665.6	677.8	700.7	756.9	768.7
37.5°	577.7	581.0	587.7	608.7	626.1	636.8	644.9	652.7	675.2	725.1	753.9
40°	562.2	561.1	560.4	570.3	595.1	612.1	621.3	629.1	646.4	687.0	734.3
42.5°	544.1	543.0	539.3	541.9	554.1	582.5	596.6	605.0	619.5	647.2	712.9
45°	525.3	523.4	521.9	519.4	523.8	539.7	568.5	581.0	589.2	613.9	685.9
47.5°	506.1	503.5	501.6	499.4	496.8	504.2	531.5	554.1	568.1	583.6	653.4
50°	478.7	482.0	479.8	477.2	475.0	473.5	485.0	521.9	539.3	551.9	613.9
52.5°	225.7	438.8	457.3	454.7	451.8	449.2	451.8	479.8	511.2	521.2	566.3
55°	128.5	195.4	406.7	430.0	427.4	423.7	421.5	431.1	478.0	491.3	522.7
57.5°	123.7	124.1	179.5	387.5	401.9	398.6	396.0	398.2	438.1	460.6	484.6
60°	119.7	119.7	119.7	171.4	370.5	371.6	368.3	364.6	381.9	426.3	446.2
62.5°	110.8	113.0	114.1	114.1	169.2	343.2	339.8	338.7	339.5	384.9	407.8
65°	99.4	104.5	106.8	108.2	108.2	177.7	310.6	308.8	306.2	323.6	369.0
67.5°	86.8	92.0	96.8	99.7	100.1	103.4	185.4	278.1	274.5	274.8	327.6
70°	73.9	78.3	83.5	87.9	92.0	93.8	96.8	230.9	243.1	237.9	280.7
72.5°	63.9	65.7	69.4	73.9	78.7	83.1	85.7	92.0	210.9	205.4	213.5
75°	53.2	54.7	57.3	60.2	63.9	69.1	73.5	77.9	111.9	172.1	171.0
77.5°	41.4	44.0	46.9	48.8	50.6	54.3	60.2	64.6	69.1	116.4	137.0
80°	31.8	33.6	35.1	36.9	39.2	41.7	44.0	49.1	54.3	58.4	104.9
82.5°	23.6	24.7	25.9	26.6	27.3	28.8	32.9	34.7	38.0	41.7	49.5
85°	16.6	17.4	18.1	18.5	18.8	19.2	20.7	21.1	24.4	25.1	29.9
87.5°	10.7	11.1	11.8	12.2	12.2	12.6	12.9	12.9	12.9	12.2	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	806.0	806.0
2.5°	806.4	812.3
5°	805.3	813.0
7.5°	802.3	809.7
10°	797.9	806.7
12.5°	793.1	801.6
15°	789.0	795.3
17.5°	784.6	788.3
20°	778.7	781.6
22.5°	772.7	771.3
25°	766.1	762.8
27.5°	757.6	751.3
30°	749.8	738.8
32.5°	742.5	724.4
35°	732.5	709.6
37.5°	722.1	694.4
40°	710.0	677.1
42.5°	697.0	659.7
45°	680.8	643.1
47.5°	666.4	623.1
50°	646.4	601.7
52.5°	622.0	581.8
55°	593.2	557.4
57.5°	562.2	531.9
60°	529.0	502.7
62.5°	488.7	472.4
65°	441.4	437.7
67.5°	379.7	399.3
70°	311.4	355.3
72.5°	260.4	308.8
75°	213.5	256.7
77.5°	169.2	201.3
80°	105.6	147.4
82.5°	70.9	96.8
85°	42.8	46.2
87.5°	16.6	17.0
90°	0.0	0.0

(END OF REPORT)