

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: P1214020

Luminaire Tested: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214020
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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

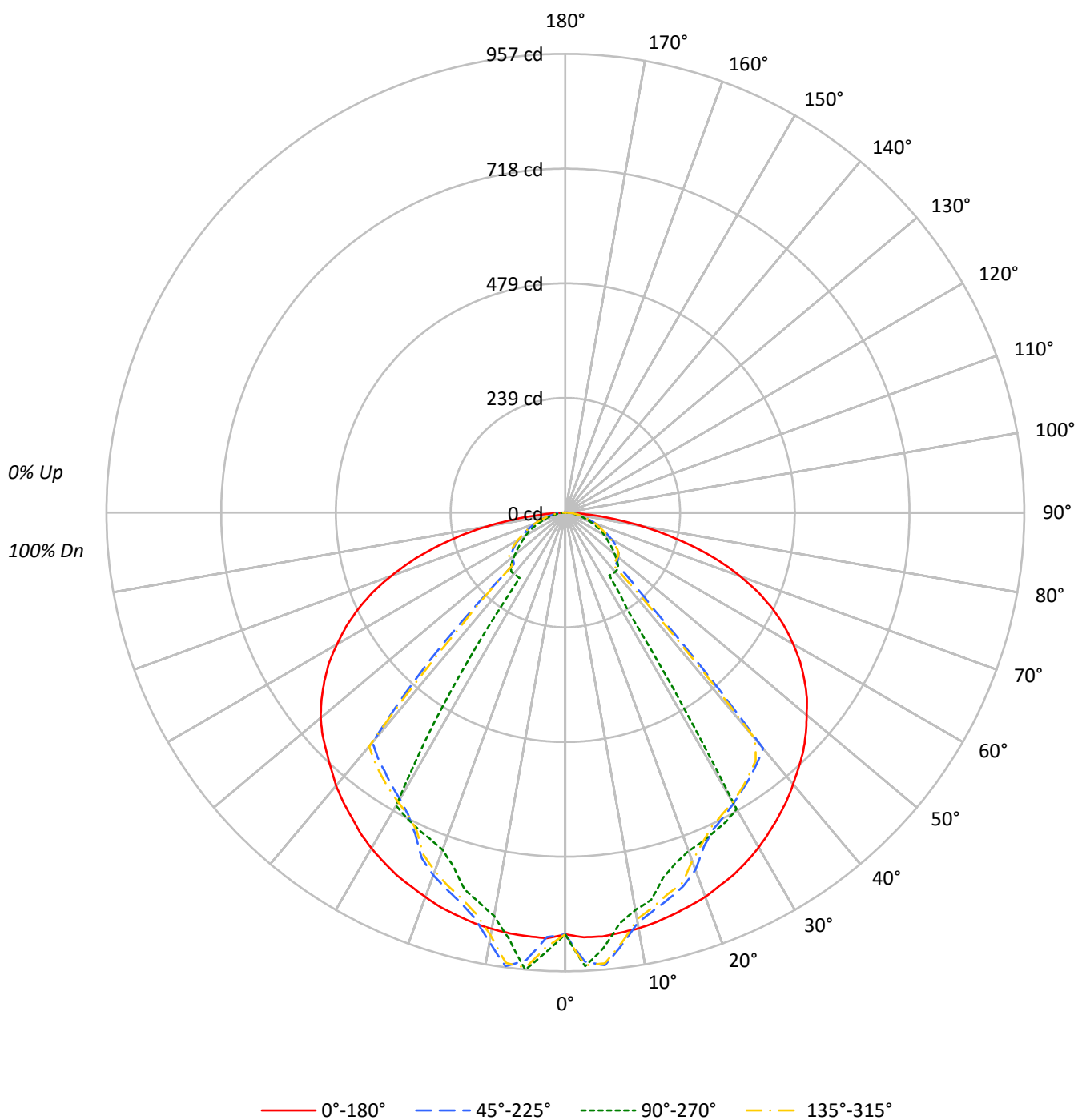
Lumens per Lamp: N/A
Luminaire Lumens: 1762.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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	0
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°	14221	14221	14221	14221
5°	14322	14329	14315	15037
10°	14296	12954	14315	13153
15°	14288	11986	14321	12366
20°	14350	11369	14350	11325
25°	14429	11150	14450	11047
30°	14527	10955	14563	10824
35°	14642	2495	14674	2601
40°	14819	2594	14907	2678
45°	15104	2581	15155	2674
50°	15372	2333	15580	2396
55°	15741	2071	15865	2100
60°	16007	1841	16042	1865
65°	16116	1606	16072	1581
70°	15644	1293	15595	1247
75°	14193	996	14294	955
80°	11056	708	11496	648
85°	5452	424	5754	326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 57.5°

Luminance: 16473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	4.9
10°-20°	238.0	13.5
20°-30°	352.6	20.0
30°-40°	355.2	20.2
40°-50°	277.5	15.7
50°-60°	214.3	12.2
60°-70°	143.9	8.2
70°-80°	73.4	4.2
80°-90°	20.4	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°	677.2	38.4
0°-40°	1032.4	58.6
0°-60°	1524.3	86.5
0°-90°	1762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1762.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	880	880	880	880	880	
5°	888	912	887	957	888	84
15°	868	788	870	813	868	246
25°	833	735	834	728	833	384
35°	775	160	776	166	775	485
45°	702	155	704	161	702	541
55°	608	113	613	114	608	543
65°	478	76	477	75	478	470
75°	280	38	282	37	280	293
85°	50	12	53	9	50	69
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°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	886.8	890.0	892.4	894.0	894.8	894.8	895.2	895.6	900.9	903.3	904.9
5°	887.6	890.8	895.6	902.1	907.7	912.6	916.6	922.2	927.9	933.9	935.9
7.5°	883.9	888.0	897.6	909.3	920.2	927.9	933.1	936.8	939.6	940.0	942.0
10°	880.7	888.0	901.3	916.6	930.3	939.6	939.6	937.6	940.4	929.5	918.6
12.5°	875.1	883.1	901.3	921.4	934.3	938.0	936.4	928.3	911.8	898.4	892.4
15°	868.2	879.1	901.7	924.3	935.1	936.4	921.0	900.5	888.0	879.9	869.8
17.5°	860.5	875.1	902.1	924.7	928.7	923.0	894.0	881.1	868.2	849.3	835.5
20°	853.3	867.4	898.9	919.0	921.4	896.0	873.4	859.7	838.0	821.4	815.4
22.5°	842.0	858.5	896.0	911.4	902.1	872.6	850.9	829.1	809.3	804.5	797.2
25°	832.7	850.1	889.6	902.1	877.5	851.3	825.9	800.5	791.2	784.3	777.9
27.5°	820.2	841.6	881.1	885.1	851.3	828.3	791.2	779.9	771.4	763.8	760.9
30°	806.5	832.7	869.4	861.8	829.5	795.6	768.2	757.7	751.7	743.6	740.4
32.5°	790.8	819.4	856.5	834.7	806.1	763.8	746.0	738.0	729.9	723.8	703.7
35°	774.6	807.7	841.2	808.9	777.9	739.6	723.8	716.6	708.9	686.7	665.8
37.5°	758.1	794.8	822.6	781.1	740.4	714.6	701.3	693.2	675.9	647.6	637.1
40°	739.2	779.1	798.8	752.5	707.7	689.2	676.7	668.6	629.5	617.0	613.8
42.5°	720.2	763.8	769.8	724.6	680.7	662.1	651.7	625.0	598.4	592.0	593.2
45°	702.1	747.2	738.0	685.1	652.5	637.1	619.4	582.7	568.6	571.8	572.6
47.5°	680.3	727.5	704.5	645.6	623.4	608.1	568.6	546.4	544.4	548.8	551.2
50°	656.9	705.3	669.0	609.7	592.0	573.8	529.1	517.8	520.2	524.6	527.5
52.5°	635.1	680.3	632.3	576.2	560.9	519.4	489.1	491.2	495.2	500.4	502.0
55°	608.5	650.0	593.2	542.4	527.9	473.4	459.7	464.5	468.6	473.0	476.2
57.5°	580.7	615.4	546.8	504.5	481.1	432.7	433.9	437.1	439.9	445.2	183.9
60°	548.8	575.8	496.0	469.4	423.0	400.4	401.6	407.3	410.1	229.0	126.6
62.5°	515.8	529.9	450.0	429.5	369.8	368.2	373.8	376.2	256.1	121.0	118.6
65°	477.9	475.0	404.9	372.2	333.5	335.1	341.2	329.1	113.3	113.3	112.5
67.5°	435.9	419.0	360.9	308.1	298.4	302.0	308.5	107.7	104.8	105.7	102.8
70°	387.9	364.1	315.3	260.9	264.1	267.8	104.0	97.6	96.4	94.4	88.7
72.5°	337.1	304.5	258.1	226.6	228.6	143.6	91.1	87.9	83.9	79.8	73.8
75°	280.3	237.9	189.5	189.5	192.4	81.9	79.4	74.2	69.8	64.5	60.9
77.5°	219.8	183.1	147.2	152.8	74.6	68.6	64.1	58.5	54.8	51.6	49.6
80°	160.9	127.8	110.9	99.2	58.1	52.0	47.6	44.4	42.7	40.7	38.3
82.5°	105.7	77.0	77.0	46.8	40.7	35.9	34.7	32.3	30.6	29.4	28.2
85°	50.4	44.8	33.9	28.6	25.4	23.0	22.2	21.0	21.0	20.6	20.2
87.5°	18.5	20.2	14.9	14.5	13.7	13.3	13.7	13.7	14.1	13.7	13.3
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°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	908.9	912.2	914.6	918.6	923.9	928.3	932.3	938.0	946.8	949.3	951.3
5°	935.9	937.2	940.0	943.2	944.0	946.0	945.6	948.0	949.3	952.1	946.0
7.5°	937.6	931.1	923.4	916.6	911.8	907.3	904.5	908.9	911.4	913.4	907.3
10°	903.7	896.0	891.6	887.6	882.7	875.9	866.6	868.6	867.8	867.8	865.8
12.5°	882.3	871.4	860.1	850.1	845.6	845.2	845.6	850.1	850.1	849.7	847.2
15°	848.8	838.4	832.7	830.3	830.3	829.1	829.1	833.9	832.7	832.7	831.5
17.5°	826.7	819.4	815.4	812.6	811.3	813.4	815.8	817.8	818.2	816.6	810.1
20°	808.5	801.7	796.8	797.6	797.2	798.4	799.7	792.8	784.3	773.0	767.8
22.5°	789.6	784.3	780.7	780.7	775.9	768.2	756.9	754.5	753.3	748.0	743.6
25°	771.4	765.4	760.1	744.0	733.9	735.1	733.1	729.1	728.7	728.3	729.9
27.5°	753.3	737.5	717.4	715.0	710.9	710.5	713.0	715.0	715.0	716.6	718.6
30°	715.8	697.6	694.0	689.6	691.2	696.8	698.0	700.9	701.7	704.5	706.1
32.5°	681.5	673.4	670.2	672.2	677.5	682.3	685.1	686.3	688.4	690.8	692.8
35°	653.7	651.3	654.1	658.5	663.8	667.8	670.2	672.6	674.6	676.7	678.3
37.5°	633.1	634.7	638.8	644.4	649.6	652.9	654.9	657.7	660.5	662.9	653.3
40°	613.8	617.8	622.2	628.3	632.7	635.9	637.9	641.6	617.4	279.5	153.2
42.5°	596.8	601.2	604.5	609.3	614.2	616.6	598.8	267.4	151.2	150.4	152.4
45°	576.2	579.9	585.1	588.7	593.2	389.5	148.8	150.4	148.0	149.6	150.4
47.5°	555.3	560.9	563.7	537.9	160.1	148.0	146.4	148.0	146.4	148.4	147.2
50°	531.5	538.3	383.1	144.8	143.6	142.8	144.4	143.6	144.8	146.4	143.2
52.5°	507.3	314.1	140.3	139.5	140.3	139.5	142.3	140.3	140.7	139.1	135.1
55°	171.8	135.9	134.7	134.3	136.7	136.7	136.7	133.5	131.5	127.4	124.6
57.5°	131.5	131.5	131.1	131.5	130.7	129.8	126.2	123.4	120.6	114.9	113.3
60°	124.6	124.6	124.6	124.6	121.0	119.4	113.7	111.3	106.5	103.6	102.0
62.5°	119.0	118.2	114.5	113.3	109.3	104.8	101.6	99.2	94.4	92.7	91.5
65°	110.9	108.1	103.6	98.8	96.8	91.9	90.3	86.7	84.3	83.1	82.3
67.5°	97.6	93.6	89.9	86.7	83.1	81.5	79.4	76.6	75.0	74.2	73.4
70°	83.5	80.7	77.0	75.0	72.6	71.4	68.6	67.7	66.5	65.3	64.1
72.5°	69.8	68.1	66.5	63.7	62.9	62.1	59.3	57.7	56.1	54.4	53.6
75°	58.5	57.3	56.5	54.0	52.8	50.4	48.4	47.2	46.0	44.8	44.0
77.5°	48.0	47.2	44.8	43.1	42.3	40.3	39.5	39.9	39.1	37.5	36.7
80°	37.5	36.7	34.7	34.7	33.9	33.1	32.3	31.5	30.6	29.4	28.6
82.5°	28.6	27.8	27.0	26.2	25.4	25.0	24.6	23.8	23.0	22.2	21.8
85°	20.2	19.8	19.4	19.0	18.5	18.1	17.7	16.9	16.1	15.7	15.3
87.5°	13.7	13.3	12.9	12.5	12.1	11.7	11.3	10.9	10.1	9.7	9.3
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°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	951.3	953.3	951.3	946.8	944.0	942.8	945.2	945.2	946.8	948.9	949.3
5°	936.4	931.5	925.9	920.2	917.4	915.8	911.4	912.2	913.4	914.2	915.0
7.5°	899.3	892.8	885.1	877.9	875.1	872.6	867.4	867.4	867.4	867.8	870.2
10°	861.3	858.5	855.3	850.5	846.8	845.6	841.2	842.4	841.6	842.8	845.6
12.5°	843.6	840.4	837.6	832.7	828.7	827.1	825.1	826.3	825.9	827.9	830.3
15°	827.5	825.9	822.6	819.0	815.4	812.2	804.9	802.5	800.9	798.8	801.7
17.5°	800.9	789.6	781.9	776.3	772.2	769.4	767.4	767.4	768.6	769.8	772.2
20°	764.6	761.3	757.7	751.7	747.6	746.0	744.8	744.8	746.8	748.4	752.9
22.5°	739.6	739.2	738.0	735.1	733.1	733.1	733.5	734.3	737.1	739.6	744.0
25°	727.9	729.5	728.7	727.1	725.9	726.3	725.5	726.3	729.1	731.5	735.1
27.5°	718.6	721.0	720.2	717.8	715.8	716.6	717.8	717.0	719.4	722.2	725.0
30°	706.1	706.5	708.1	705.3	704.5	705.7	706.1	706.9	709.3	711.3	713.8
32.5°	692.0	695.2	694.8	692.0	692.0	693.2	693.6	666.6	616.2	530.7	507.3
35°	678.3	681.9	675.9	569.8	394.4	210.5	162.5	156.9	158.1	158.9	159.7
37.5°	501.6	237.9	151.6	152.8	154.0	155.3	156.5	157.7	158.9	160.1	160.5
40°	150.8	150.4	151.6	153.2	154.4	155.3	156.9	158.1	159.3	160.5	160.9
42.5°	149.2	150.0	151.2	152.8	154.4	156.1	157.3	158.9	159.7	160.5	160.9
45°	148.4	150.0	151.6	152.8	154.0	154.8	155.7	156.1	155.7	155.7	156.5
47.5°	147.2	148.8	149.2	148.8	149.2	148.8	148.8	148.8	147.6	147.2	147.2
50°	142.8	142.8	141.9	140.3	139.9	139.5	138.7	138.3	136.7	136.3	136.3
52.5°	133.5	133.1	131.9	129.8	129.0	128.2	127.8	127.4	125.8	125.0	125.4
55°	122.6	121.8	120.6	118.2	117.7	116.9	116.5	116.1	114.5	115.3	114.1
57.5°	112.5	110.9	109.3	108.9	107.3	106.9	106.5	106.1	104.8	105.2	104.4
60°	100.4	100.0	99.2	97.6	97.6	97.2	97.2	96.4	95.6	95.2	95.2
62.5°	91.5	90.3	89.5	89.5	88.3	88.3	88.3	87.5	86.7	87.1	86.7
65°	81.9	81.5	81.1	80.2	80.2	79.8	79.8	79.0	77.8	78.2	77.4
67.5°	73.8	73.0	72.2	71.8	70.2	69.4	69.0	68.6	66.9	67.3	66.5
70°	63.7	62.5	61.7	60.9	59.7	58.9	58.9	58.1	56.9	57.3	56.5
72.5°	53.2	52.4	51.6	51.2	50.0	49.6	49.2	48.8	47.6	48.0	47.6
75°	44.4	44.4	44.0	43.6	42.3	41.1	40.3	39.9	39.1	39.5	38.7
77.5°	36.7	35.9	35.1	35.1	33.9	33.1	32.3	32.3	32.3	31.9	31.5
80°	28.6	27.8	27.8	27.4	26.6	25.8	25.4	25.4	25.0	25.0	24.6
82.5°	21.8	21.0	20.6	20.6	19.8	19.4	19.0	18.5	18.5	18.5	18.1
85°	15.3	14.5	14.1	14.1	13.3	12.9	12.9	12.5	12.5	12.1	12.1
87.5°	9.3	8.9	8.5	8.5	7.7	7.3	7.3	7.3	6.9	6.9	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	949.3	949.3	946.4	947.2	946.0	947.6	945.6	945.6	948.0	948.0	949.7
5°	915.4	913.4	913.0	912.2	908.1	909.7	907.7	905.7	908.5	908.5	912.2
7.5°	869.0	865.4	867.0	864.6	862.2	858.5	859.7	858.1	860.1	863.0	866.6
10°	845.2	842.0	844.0	841.6	842.8	837.6	838.0	838.4	840.4	841.2	844.4
12.5°	829.9	829.1	828.3	827.5	828.3	825.5	823.8	824.2	825.1	825.5	827.9
15°	797.6	792.4	794.0	788.4	788.8	789.2	785.9	789.2	788.8	794.0	798.8
17.5°	771.4	771.4	768.6	766.2	764.6	764.2	761.7	763.4	761.7	765.0	766.2
20°	753.3	752.9	752.5	751.3	747.2	747.6	748.8	745.2	744.8	744.4	746.8
22.5°	744.8	745.2	743.6	743.6	740.0	740.8	741.2	737.1	737.5	736.3	737.5
25°	735.9	736.7	734.7	734.7	733.9	733.5	731.5	732.3	729.9	727.9	729.9
27.5°	725.5	727.1	725.5	726.3	724.6	723.8	722.6	721.8	719.4	719.0	720.2
30°	715.8	716.6	716.2	714.2	713.8	711.3	712.5	710.1	707.7	708.1	708.9
32.5°	367.0	350.4	270.2	244.0	241.5	250.4	296.8	361.3	468.2	571.8	646.4
35°	160.1	160.1	160.1	159.7	159.7	159.3	158.9	158.5	158.1	157.7	157.3
37.5°	160.9	160.9	160.9	160.9	160.5	160.1	160.1	159.3	158.9	158.5	158.1
40°	161.3	161.7	161.7	161.7	161.3	161.3	160.9	160.1	159.7	158.9	158.1
42.5°	160.9	161.3	161.3	160.9	160.9	160.5	160.5	160.1	159.7	159.3	158.9
45°	155.7	156.1	155.3	155.3	154.8	154.8	154.8	154.8	154.8	155.3	155.3
47.5°	146.4	146.4	146.0	145.6	145.6	145.2	145.6	145.2	146.0	146.4	147.2
50°	135.5	135.5	134.7	134.3	134.3	134.3	134.3	134.7	135.1	135.9	136.7
52.5°	124.2	124.2	123.8	123.4	123.0	123.0	124.2	123.8	124.2	124.6	125.8
55°	113.3	113.7	112.9	112.9	112.5	112.5	112.5	112.9	113.3	113.7	114.9
57.5°	104.0	104.0	103.2	103.2	103.2	102.8	104.0	103.2	103.6	104.0	104.8
60°	94.8	94.4	94.4	94.0	94.0	94.0	94.8	94.4	94.4	94.8	95.6
62.5°	86.3	86.3	85.9	85.9	85.5	85.5	86.3	85.9	85.9	86.3	86.7
65°	76.6	76.6	76.2	75.8	77.0	75.8	77.0	76.2	77.0	77.4	78.2
67.5°	65.7	65.7	65.7	65.3	65.3	66.1	66.5	65.7	66.1	66.9	67.3
70°	56.1	56.1	55.6	55.6	55.6	56.5	56.9	56.1	56.5	56.9	57.7
72.5°	47.6	46.8	46.8	46.4	47.2	47.2	47.6	47.2	47.6	47.6	48.4
75°	39.1	38.3	38.3	38.3	39.1	38.7	39.1	38.7	39.1	39.1	39.5
77.5°	31.5	31.1	30.6	30.6	31.5	31.5	31.5	31.1	31.5	31.9	32.3
80°	24.6	24.2	23.8	23.8	24.6	24.6	24.6	25.0	24.6	25.0	25.4
82.5°	18.1	17.7	17.3	18.1	18.1	18.1	18.1	18.5	18.1	18.5	19.0
85°	12.1	11.7	11.3	12.1	12.1	12.1	12.1	12.5	12.1	12.5	12.9
87.5°	6.5	6.0	6.0	6.5	6.5	6.5	6.9	6.9	6.9	7.3	7.3
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: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	952.1	953.3	952.9	950.5	948.0	945.2	943.2	943.6	947.6	948.9	945.2
5°	912.2	919.8	919.8	925.1	922.2	919.8	921.4	930.3	934.7	941.6	944.0
7.5°	871.0	874.7	874.3	879.5	878.7	878.7	879.9	891.6	897.2	902.9	904.5
10°	848.0	851.7	851.3	851.7	850.5	847.6	847.6	852.9	857.7	860.5	861.3
12.5°	831.5	833.5	833.1	833.1	832.3	829.9	829.5	833.9	839.2	842.8	843.2
15°	806.9	812.6	813.8	819.0	817.8	814.6	815.4	819.0	822.2	825.5	824.2
17.5°	770.2	773.0	773.4	775.5	774.6	774.6	779.5	792.8	801.7	809.3	810.1
20°	749.2	751.3	750.5	754.9	752.9	752.5	753.7	759.3	763.4	767.0	773.4
22.5°	739.2	740.8	739.6	740.0	736.3	733.1	732.3	736.7	741.2	746.0	746.0
25°	730.7	731.9	731.5	730.7	727.9	723.4	722.6	723.4	725.0	725.5	722.6
27.5°	720.6	721.4	721.4	721.8	718.2	714.2	713.4	712.5	714.2	713.8	709.3
30°	710.1	708.9	709.3	709.7	706.5	702.9	701.3	700.9	702.5	702.1	697.6
32.5°	685.1	694.4	695.2	696.0	693.2	690.0	688.4	687.1	687.9	687.5	683.5
35°	156.9	159.7	195.6	442.8	601.2	665.8	672.6	671.0	671.4	671.4	668.2
37.5°	157.3	156.9	156.5	155.3	154.0	153.2	264.9	565.0	654.5	654.9	652.1
40°	157.3	156.9	156.5	155.7	154.0	152.8	150.8	149.2	152.8	336.3	615.4
42.5°	158.1	157.3	156.5	155.7	154.0	152.4	150.8	148.8	150.0	149.2	147.2
45°	155.7	155.3	155.3	154.8	154.0	152.4	150.4	148.0	146.8	148.0	146.0
47.5°	148.0	148.4	149.6	150.0	150.0	150.4	149.2	147.6	145.6	146.8	144.4
50°	137.5	138.3	138.7	140.7	141.5	143.2	143.6	143.6	143.2	144.8	143.2
52.5°	126.2	127.0	129.0	129.8	130.7	133.1	133.9	135.1	135.9	138.3	139.9
55°	115.3	115.7	116.5	118.2	119.4	121.4	122.6	123.8	125.8	127.0	131.9
57.5°	105.2	105.7	107.3	107.7	108.5	110.1	111.3	112.9	114.5	115.3	121.0
60°	95.6	96.0	97.2	97.6	98.0	99.6	100.8	102.0	103.2	104.0	108.1
62.5°	87.1	87.1	88.3	88.3	88.7	89.9	90.7	91.5	92.7	93.2	95.2
65°	78.6	79.0	79.8	79.8	80.2	81.1	81.5	81.9	83.1	83.1	84.7
67.5°	68.1	68.6	69.8	70.6	71.0	72.6	73.0	73.4	74.2	74.6	75.4
70°	58.1	58.5	59.7	60.1	60.5	61.7	62.5	63.7	64.9	66.1	66.9
72.5°	48.8	49.2	50.4	50.4	51.6	52.0	52.8	53.2	54.4	55.2	56.5
75°	39.9	40.3	41.5	41.5	42.7	43.1	43.6	44.0	44.8	45.6	46.4
77.5°	32.7	32.7	34.3	35.1	35.9	35.9	36.3	36.3	36.3	36.7	37.5
80°	25.8	25.8	27.0	27.8	28.6	28.6	29.0	29.4	29.8	29.8	30.2
82.5°	19.4	19.4	20.6	21.0	21.8	21.8	21.8	22.2	22.6	22.2	23.0
85°	13.3	13.3	14.1	14.5	15.3	15.3	15.3	15.7	16.1	15.7	16.1
87.5°	7.7	8.1	8.5	8.9	9.3	9.7	9.7	9.7	10.1	10.1	10.5
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: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	941.2	936.4	935.9	930.3	928.7	929.1	924.7	923.0	915.8	914.2	906.5
5°	944.8	947.2	946.0	945.6	946.8	946.0	942.8	941.2	940.0	936.8	930.3
7.5°	904.9	906.5	907.7	913.0	917.4	925.1	933.1	938.4	942.4	943.2	938.0
10°	864.2	871.8	877.1	885.1	891.6	896.0	900.9	905.3	917.0	928.7	935.5
12.5°	843.2	845.2	844.8	849.3	853.7	865.4	876.7	883.1	892.0	897.2	909.7
15°	825.5	825.9	827.1	830.3	832.7	836.7	842.0	851.7	869.4	877.5	884.3
17.5°	809.3	809.3	810.1	813.0	816.2	819.8	823.0	827.1	835.9	849.3	866.2
20°	783.5	794.8	796.0	795.6	797.2	804.1	804.9	812.2	816.6	821.8	838.4
22.5°	745.2	752.1	761.7	776.7	782.3	785.5	788.0	791.2	798.0	804.1	810.9
25°	724.2	728.7	731.5	735.9	747.6	766.6	770.2	773.8	778.3	782.7	791.2
27.5°	705.7	705.3	707.3	711.3	714.6	724.6	742.4	756.5	757.3	763.8	771.0
30°	692.4	690.0	687.1	686.3	690.8	696.0	701.3	723.4	738.8	742.0	749.6
32.5°	679.9	675.9	671.8	668.6	665.8	670.2	673.4	683.1	702.9	721.4	725.5
35°	664.6	660.5	655.7	652.1	647.6	647.2	646.8	656.1	662.5	684.7	704.1
37.5°	648.8	644.4	640.4	636.3	631.9	628.7	626.7	629.1	635.1	644.8	677.1
40°	632.3	627.1	623.0	619.8	613.8	611.3	607.3	605.7	606.1	614.6	631.5
42.5°	377.8	602.5	604.5	600.8	595.6	592.4	587.9	585.9	581.9	585.9	595.6
45°	145.6	147.2	440.8	582.3	575.8	571.8	567.8	565.8	561.3	558.1	567.0
47.5°	142.8	144.4	141.1	200.0	549.6	550.8	546.0	544.0	539.6	537.1	534.7
50°	140.7	141.9	139.5	140.3	137.5	503.7	523.8	521.4	516.6	513.7	508.9
52.5°	138.7	138.7	137.1	135.1	134.3	134.7	423.8	498.4	492.8	490.0	483.5
55°	132.3	133.1	134.7	131.5	130.7	130.3	129.0	403.7	466.6	463.3	457.7
57.5°	122.6	124.2	128.6	127.8	127.8	124.6	123.8	123.8	374.6	436.3	430.7
60°	111.3	112.9	117.7	119.4	120.6	119.8	119.0	118.6	116.9	394.8	402.0
62.5°	99.6	101.2	102.8	108.1	109.7	111.7	114.1	112.9	111.3	111.3	371.8
65°	87.1	89.5	90.3	95.2	97.2	100.8	102.8	105.7	104.8	104.4	106.5
67.5°	76.2	79.0	79.4	81.5	85.1	86.7	89.1	94.4	96.8	97.6	98.4
70°	66.9	68.6	69.8	70.6	73.0	73.4	77.8	81.5	85.1	89.1	90.3
72.5°	57.7	58.9	61.3	60.5	61.3	62.9	65.3	67.7	71.4	77.0	80.7
75°	47.2	48.0	49.6	50.4	52.0	53.2	54.8	56.9	60.1	62.9	67.7
77.5°	37.9	38.3	39.5	39.9	41.5	42.7	45.6	46.8	48.8	50.8	53.6
80°	30.6	30.6	31.1	31.1	32.3	33.5	35.5	36.7	39.1	40.7	40.7
82.5°	23.4	23.4	24.6	24.6	25.4	25.4	26.6	26.6	27.8	28.6	29.4
85°	16.5	16.9	17.7	17.3	18.1	17.7	18.5	19.4	19.8	19.4	19.0
87.5°	10.9	10.9	11.7	11.3	11.7	11.7	12.5	12.5	12.9	12.9	12.5
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: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	903.7	897.6	894.0	889.6	888.4	887.2	888.8	888.8	886.3	884.3	880.7
5°	924.7	918.2	911.4	904.1	897.2	890.0	887.2	886.8	882.3	879.9	878.7
7.5°	935.5	932.3	924.7	914.6	904.1	891.2	885.5	882.3	877.9	877.1	877.1
10°	936.8	933.1	929.1	921.8	909.7	892.8	881.9	875.5	871.4	874.3	879.5
12.5°	925.1	931.9	928.3	923.4	913.8	893.2	877.5	867.8	866.6	873.8	887.6
15°	895.2	915.4	925.5	920.6	913.0	892.4	870.2	858.9	858.9	873.8	891.6
17.5°	872.6	888.4	913.0	917.0	908.1	890.8	863.4	850.1	853.7	875.5	894.4
20°	854.1	863.8	887.6	910.1	901.7	887.2	853.3	839.6	846.8	873.0	898.4
22.5°	825.1	844.4	858.9	892.4	895.2	880.3	843.2	826.7	841.2	873.0	896.4
25°	796.8	820.2	835.5	868.2	885.5	871.8	833.9	813.0	835.1	871.8	894.8
27.5°	777.1	788.0	815.8	839.2	871.0	860.5	821.4	798.0	827.5	865.4	885.5
30°	756.1	763.4	790.8	813.0	851.7	847.6	808.5	781.5	817.8	859.3	861.3
32.5°	733.1	741.2	755.3	787.6	824.7	835.5	794.0	765.0	807.3	850.1	833.1
35°	709.7	715.8	727.1	761.7	793.2	817.4	776.3	746.0	800.1	835.9	806.1
37.5°	686.3	692.8	702.5	731.5	760.1	800.5	760.9	727.1	786.7	810.9	777.9
40°	664.2	667.8	677.9	696.0	732.7	783.1	743.6	707.3	773.0	779.1	739.6
42.5°	623.4	641.6	650.8	665.4	701.7	759.3	723.4	686.3	757.7	747.2	701.3
45°	579.5	619.0	623.0	637.5	674.2	733.9	704.5	665.8	743.2	719.8	665.0
47.5°	543.6	572.2	595.6	607.7	641.6	704.1	686.7	648.4	721.4	685.1	629.5
50°	511.7	527.1	569.4	578.3	602.5	668.2	665.8	628.3	691.2	641.6	594.8
52.5°	480.7	491.6	529.9	548.8	568.6	629.5	640.8	608.5	658.1	598.0	559.7
55°	453.7	457.3	478.3	518.2	535.9	590.4	613.3	585.5	616.2	556.5	525.8
57.5°	425.8	422.6	437.9	489.1	502.0	550.4	584.3	562.1	582.3	514.1	490.8
60°	396.8	392.4	398.8	432.7	466.2	510.9	550.0	536.3	541.2	472.2	451.6
62.5°	366.6	362.1	360.1	381.5	431.1	470.2	515.4	507.7	490.8	433.9	403.3
65°	335.1	330.7	327.4	335.9	392.4	417.4	476.6	474.6	435.5	393.6	339.5
67.5°	102.0	300.8	294.0	293.6	330.7	369.4	434.7	431.5	379.9	350.4	292.4
70°	91.9	244.0	259.3	255.7	271.8	320.6	386.7	384.3	325.8	281.1	258.5
72.5°	84.3	86.3	229.0	225.0	228.6	272.6	336.7	330.3	276.2	221.8	223.4
75°	72.2	75.8	79.0	189.9	185.1	225.8	282.3	272.2	227.8	183.1	186.7
77.5°	58.9	63.3	65.7	138.3	149.6	160.9	225.4	212.1	156.9	146.4	69.8
80°	44.0	47.6	51.6	55.2	113.7	112.5	167.3	154.0	109.3	91.1	54.4
82.5°	32.3	33.5	35.9	39.9	45.2	75.4	107.7	94.8	75.8	41.5	37.5
85°	20.2	21.8	23.0	24.2	27.4	45.2	53.2	42.3	31.9	25.4	23.8
87.5°	12.9	12.9	12.5	12.9	13.3	16.1	18.1	17.3	13.7	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	876.7	871.0	871.0	869.4	870.6	870.6	870.2	870.6	873.4	875.1	877.9
5°	876.3	874.7	878.3	882.7	888.0	894.4	896.0	901.7	906.9	913.8	921.0
7.5°	881.5	887.2	894.0	901.3	911.8	919.4	926.3	933.1	938.0	944.4	948.5
10°	889.2	900.5	912.2	921.4	932.7	939.2	943.6	944.4	937.6	926.7	917.8
12.5°	900.1	913.4	924.3	933.1	938.4	935.9	923.0	909.7	902.1	890.8	875.1
15°	909.3	921.4	932.7	929.1	915.0	901.7	891.6	875.9	860.5	850.1	843.2
17.5°	913.4	925.1	921.0	902.1	888.8	873.4	852.9	840.8	830.7	822.6	818.6
20°	915.8	913.8	892.0	878.3	852.5	838.4	825.1	813.8	806.1	802.1	801.3
22.5°	909.3	884.7	866.2	841.6	822.6	810.9	800.5	791.2	785.9	782.7	780.7
25°	888.0	859.3	831.9	812.6	796.4	786.3	778.3	770.6	764.2	762.6	758.5
27.5°	858.1	834.7	798.4	783.5	769.4	764.6	755.7	748.0	742.4	737.5	724.6
30°	833.5	796.4	770.2	756.5	748.0	742.4	732.3	724.2	714.6	696.8	689.6
32.5°	803.3	766.6	741.6	733.9	723.4	718.6	707.3	689.6	674.6	667.4	667.0
35°	764.2	733.9	715.8	708.9	700.4	692.4	669.0	652.9	645.6	646.4	652.5
37.5°	731.5	704.5	692.8	683.1	673.4	652.9	633.1	625.4	627.5	631.5	634.3
40°	698.4	677.9	664.6	656.9	635.1	615.0	604.5	607.3	610.9	613.8	617.4
42.5°	666.2	651.7	638.3	623.4	593.6	582.7	585.1	588.7	592.0	596.0	599.6
45°	635.5	622.6	607.3	573.4	558.5	561.3	565.0	567.8	572.6	575.4	579.1
47.5°	606.5	592.8	565.8	535.9	534.3	540.0	543.2	546.8	550.4	543.2	299.6
50°	573.8	559.7	518.6	507.3	510.9	516.2	520.2	523.8	466.6	185.5	142.8
52.5°	541.6	505.7	479.5	482.7	486.3	492.4	495.2	367.8	146.4	139.5	139.9
55°	505.7	459.7	452.0	456.1	459.3	465.4	308.5	135.1	134.3	133.9	137.1
57.5°	449.2	421.4	424.6	428.7	431.9	304.9	131.5	130.7	131.1	131.5	131.9
60°	398.8	392.8	396.4	400.0	283.1	127.0	124.6	125.0	126.6	125.4	122.2
62.5°	358.9	363.7	367.4	321.8	120.6	119.4	120.6	119.4	116.5	114.5	110.5
65°	328.2	333.1	335.9	113.3	112.9	114.5	113.3	109.3	104.8	99.2	98.0
67.5°	296.0	300.8	107.7	104.8	106.5	104.4	99.6	94.8	91.5	86.7	84.7
70°	262.5	112.5	97.6	97.2	94.4	91.1	85.9	81.1	77.0	75.0	73.0
72.5°	189.5	89.1	87.9	84.7	79.8	75.4	71.0	68.1	66.1	64.9	63.7
75°	79.0	77.4	73.8	68.1	63.3	61.3	58.1	56.1	55.2	52.8	52.0
77.5°	66.1	62.9	57.7	53.6	50.8	49.6	47.2	44.8	43.6	43.1	41.5
80°	50.8	46.4	44.0	41.9	41.1	38.3	35.5	34.3	33.5	33.1	31.9
82.5°	34.7	33.1	31.5	28.6	28.6	27.4	26.2	25.4	24.6	24.6	23.8
85°	22.6	21.4	21.0	19.8	19.8	19.0	18.5	18.1	17.7	17.3	16.9
87.5°	12.9	12.9	13.3	12.9	12.9	12.5	12.1	11.7	11.3	11.3	10.5
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: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	881.5	885.5	886.3	900.1	907.7	907.3	904.9	912.2	907.7	905.3	907.7
5°	928.3	933.1	937.2	952.1	957.3	959.7	959.3	963.4	960.1	957.3	957.3
7.5°	951.3	952.9	954.5	950.9	948.5	944.4	938.4	929.5	925.1	920.2	914.2
10°	913.4	908.1	910.1	902.9	896.8	892.4	886.8	879.5	873.4	869.0	862.2
12.5°	867.0	866.6	867.4	868.6	862.6	858.9	854.5	849.3	844.8	840.0	834.3
15°	838.8	839.2	842.4	841.2	839.2	837.2	832.3	830.7	826.7	821.4	818.2
17.5°	818.6	820.6	823.8	822.2	819.0	817.0	813.4	809.7	806.1	802.1	797.2
20°	800.9	802.9	804.9	802.9	796.8	794.0	789.2	777.9	769.8	761.7	754.5
22.5°	781.5	782.7	781.1	774.6	759.3	752.1	746.4	743.2	736.3	731.9	727.5
25°	757.3	750.5	740.0	732.7	726.7	723.4	721.0	720.6	719.8	719.0	717.0
27.5°	717.8	715.4	709.7	706.9	707.3	708.5	708.9	710.1	708.9	707.3	705.7
30°	688.4	689.6	690.0	690.8	692.8	694.0	694.4	696.0	695.2	694.0	693.2
32.5°	669.8	672.6	674.2	676.7	677.9	679.9	679.9	682.3	679.9	679.5	678.7
35°	654.5	656.9	657.7	661.3	662.5	664.6	664.6	666.6	664.6	644.0	508.5
37.5°	639.2	641.6	643.2	646.4	646.8	648.0	598.0	437.5	282.3	218.6	166.9
40°	621.0	623.8	625.4	626.7	440.4	279.5	192.4	156.5	156.5	157.7	158.9
42.5°	601.7	603.7	420.6	244.8	152.4	152.0	153.2	154.4	155.7	157.3	158.9
45°	473.0	238.7	151.6	148.0	149.2	150.8	152.4	154.0	156.1	157.7	158.5
47.5°	155.3	145.6	147.6	146.0	148.0	150.0	151.6	153.2	153.6	154.0	153.6
50°	143.6	143.6	144.8	144.8	146.4	147.2	147.2	147.2	145.6	145.2	144.0
52.5°	138.7	141.9	140.3	141.1	140.3	139.1	137.9	136.7	134.3	133.5	131.9
55°	136.3	137.5	133.5	132.3	130.7	127.4	125.8	124.2	122.2	121.4	119.4
57.5°	130.7	127.8	123.4	121.4	118.6	115.3	113.7	112.5	110.5	109.7	108.5
60°	120.2	114.5	111.7	109.3	106.1	103.2	102.0	101.2	99.6	99.2	98.0
62.5°	107.3	102.4	100.0	96.8	94.4	92.7	91.5	91.1	89.5	89.5	88.7
65°	93.2	90.7	88.7	85.5	84.3	82.7	82.3	81.9	81.1	80.7	79.8
67.5°	81.9	80.2	77.4	75.8	75.0	73.8	73.0	72.2	70.6	69.8	68.6
70°	71.8	70.6	67.7	66.5	64.9	62.9	61.7	60.9	59.7	58.9	57.7
72.5°	62.1	58.5	56.5	55.2	54.0	52.0	51.6	50.8	49.6	49.2	48.0
75°	50.0	47.2	46.0	45.2	44.0	42.7	42.7	42.7	41.5	41.1	40.7
77.5°	39.9	38.3	37.5	36.7	36.3	35.5	34.3	33.9	32.7	32.7	32.3
80°	30.6	29.8	29.0	28.6	28.2	27.4	26.6	26.2	25.0	25.0	24.6
82.5°	22.6	22.2	21.8	21.4	21.0	20.6	19.4	19.0	18.1	18.1	17.7
85°	16.1	15.7	14.9	14.5	14.5	14.1	12.9	12.5	11.7	11.7	11.7
87.5°	10.1	9.7	9.3	8.9	8.5	8.1	7.3	6.9	6.9	6.0	5.6
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: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	902.9	909.7	908.9	913.8	915.0	917.4	918.2	918.6	912.6	917.4	917.8
5°	956.1	957.3	958.1	960.1	962.2	962.6	960.5	958.1	958.9	957.3	953.3
7.5°	913.4	907.3	906.1	904.5	903.7	902.9	899.3	902.5	898.9	897.2	891.6
10°	860.9	855.3	854.9	854.9	856.1	855.7	854.9	853.3	856.5	854.5	853.3
12.5°	833.5	831.5	832.7	831.9	835.1	835.9	835.1	835.1	834.3	832.7	833.5
15°	817.0	815.4	816.6	815.4	817.8	818.2	816.2	817.4	815.4	813.4	812.6
17.5°	795.2	791.6	788.8	784.7	785.1	784.3	781.9	781.9	779.9	774.6	775.1
20°	753.3	749.6	748.0	748.0	750.1	750.9	750.5	751.3	749.2	748.4	745.2
22.5°	727.1	726.7	727.5	729.5	732.7	737.1	737.5	737.5	737.5	737.1	733.1
25°	717.8	717.8	718.6	721.4	723.8	727.1	727.9	728.7	727.9	727.9	724.2
27.5°	707.3	706.5	708.1	710.9	713.8	716.2	718.2	718.6	717.4	717.4	718.6
30°	694.4	694.0	696.0	698.8	701.3	703.7	705.7	707.3	705.7	705.7	704.5
32.5°	681.1	681.1	681.9	665.0	616.6	555.3	556.5	521.0	496.4	465.4	506.5
35°	425.0	309.3	265.7	225.0	196.4	177.8	177.4	171.4	168.6	166.5	166.1
37.5°	160.5	161.3	162.9	163.7	164.9	165.7	166.1	166.1	166.1	166.1	165.7
40°	160.1	161.7	162.9	164.1	165.3	166.1	166.1	166.5	166.9	166.9	166.9
42.5°	160.5	162.1	163.7	164.9	165.7	166.1	166.5	166.9	166.9	166.9	166.9
45°	160.1	160.9	160.9	161.3	161.3	161.3	161.7	161.7	161.3	160.9	161.7
47.5°	154.0	154.0	152.8	152.4	152.0	151.2	151.6	151.2	150.8	150.4	151.2
50°	143.6	141.9	141.1	140.3	139.9	139.1	139.5	139.1	138.7	137.9	139.1
52.5°	131.1	130.7	129.0	128.2	127.8	128.2	127.4	127.0	126.6	126.2	126.6
55°	119.0	117.3	116.9	116.1	115.7	116.1	115.7	115.3	114.9	114.5	114.9
57.5°	108.1	106.9	106.5	105.7	105.7	105.7	105.7	105.2	104.8	104.4	104.8
60°	97.6	96.8	96.4	96.4	96.0	96.0	96.0	95.6	95.2	95.2	95.6
62.5°	88.7	88.7	87.5	87.1	87.1	87.5	87.1	86.7	86.3	85.9	86.7
65°	79.4	77.8	77.4	76.6	75.8	76.2	75.8	75.4	75.0	74.6	75.4
67.5°	68.1	67.7	66.1	65.3	64.9	65.3	64.9	64.5	64.1	63.7	64.5
70°	57.3	57.3	55.6	55.2	54.8	54.8	54.4	54.4	54.0	53.6	54.4
72.5°	47.6	47.6	47.2	46.4	46.0	45.6	45.2	44.8	44.8	45.2	45.2
75°	39.5	38.7	37.1	37.5	37.1	36.7	36.7	36.3	35.9	36.7	36.3
77.5°	31.1	30.6	29.4	29.8	29.4	29.0	29.0	28.6	28.2	28.6	28.6
80°	23.4	23.4	23.0	22.6	22.6	22.2	21.8	21.8	21.4	21.8	21.8
82.5°	16.9	16.9	16.5	16.1	15.7	15.7	15.3	15.3	15.3	15.3	15.3
85°	10.9	10.5	10.5	9.7	9.7	9.7	9.3	9.3	9.3	9.3	9.3
87.5°	5.2	5.2	4.8	4.8	4.4	4.0	4.0	3.6	3.6	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	910.5	915.8	911.4	913.4	913.8	920.6	920.2	921.8	919.0	915.8	911.4
5°	956.9	954.5	951.3	958.9	954.9	959.7	961.4	964.6	964.6	964.2	960.5
7.5°	897.6	892.4	896.4	899.3	900.5	897.2	903.7	910.9	917.0	920.6	921.0
10°	851.3	852.9	852.5	853.7	856.5	856.1	860.1	864.2	865.8	868.2	869.0
12.5°	829.5	829.1	829.9	832.7	834.3	833.9	838.0	840.4	841.2	841.6	841.2
15°	812.2	809.3	811.3	811.7	813.0	813.0	817.8	821.4	823.0	823.8	823.0
17.5°	779.5	772.6	779.1	779.1	783.5	782.7	790.4	796.4	799.7	802.1	802.1
20°	747.2	744.0	746.4	745.6	748.8	748.4	753.3	757.3	760.1	762.1	764.6
22.5°	734.3	735.1	731.5	731.9	731.9	731.5	733.9	735.9	736.7	738.0	737.1
25°	725.9	726.7	725.5	723.4	722.6	723.4	724.6	727.1	727.5	726.7	723.8
27.5°	717.4	715.0	717.0	713.4	712.5	714.2	715.8	716.2	716.6	716.6	714.2
30°	704.5	702.5	704.5	702.9	701.3	702.9	704.1	704.1	704.9	705.3	702.5
32.5°	492.4	496.4	561.7	601.2	656.9	685.1	690.4	690.4	691.2	691.2	688.8
35°	167.8	168.2	181.9	197.2	229.9	270.2	323.0	350.4	443.2	554.1	661.3
37.5°	165.7	165.3	164.9	164.5	164.1	163.7	162.9	162.5	164.9	195.6	265.3
40°	166.5	166.1	165.3	164.9	164.5	163.7	163.3	162.5	161.7	160.9	160.1
42.5°	166.5	166.1	165.7	165.3	164.9	164.5	163.7	162.9	162.1	160.9	159.7
45°	160.9	160.9	161.3	161.3	161.7	161.7	161.7	161.3	161.3	160.9	159.3
47.5°	150.4	150.4	151.6	151.6	152.4	153.2	153.2	154.0	155.3	156.1	156.5
50°	138.3	138.3	139.5	139.9	140.7	141.9	143.2	143.6	144.8	146.4	148.0
52.5°	126.2	126.2	127.4	127.4	128.2	129.4	130.7	131.1	132.7	134.3	136.3
55°	114.9	114.9	115.7	116.1	116.5	117.3	118.6	118.6	120.2	121.4	123.4
57.5°	104.8	105.7	105.7	105.7	106.1	106.9	107.7	107.7	108.9	110.1	111.7
60°	95.2	96.0	96.0	96.0	96.4	96.8	97.6	97.6	98.4	99.2	100.8
62.5°	86.3	87.1	87.1	87.5	87.5	87.9	88.7	88.3	89.1	89.5	90.7
65°	75.0	75.8	76.2	76.6	77.0	77.8	79.0	78.6	79.8	80.7	81.9
67.5°	64.1	64.9	64.9	65.3	65.7	66.5	67.3	67.3	68.6	69.4	71.0
70°	54.0	54.8	54.8	55.2	55.6	56.5	57.3	56.9	58.1	58.9	60.1
72.5°	44.8	45.6	45.6	46.0	46.0	46.8	47.6	48.4	48.4	49.2	50.0
75°	36.3	36.7	37.1	37.1	37.5	37.9	38.7	39.5	39.9	40.3	41.1
77.5°	28.6	29.0	29.4	29.4	29.8	30.2	30.6	32.3	33.1	33.5	33.5
80°	21.8	22.2	22.2	22.2	22.6	23.0	23.8	23.8	25.4	25.4	25.8
82.5°	15.3	15.7	15.7	15.7	16.1	16.9	17.3	17.7	18.5	19.0	19.0
85°	9.3	9.7	9.7	9.7	10.1	10.5	11.3	11.7	12.1	12.1	12.5
87.5°	3.6	4.0	4.4	4.4	4.8	5.2	5.6	6.0	6.5	6.5	6.9
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: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	906.5	909.3	906.5	908.1	910.1	906.5	898.0	894.8	893.6	888.8	885.5
5°	956.9	956.9	955.7	958.9	958.5	952.9	944.0	940.0	935.9	930.7	926.7
7.5°	921.0	924.3	926.3	938.8	946.8	947.6	953.3	954.5	956.1	954.5	952.1
10°	869.4	868.2	873.8	885.5	892.4	896.0	906.9	912.2	916.6	925.5	934.7
12.5°	840.4	842.0	844.4	852.9	859.3	857.7	862.2	865.8	871.0	879.9	893.2
15°	821.0	822.6	825.1	831.5	835.5	833.5	835.9	838.4	842.0	846.4	854.5
17.5°	800.1	802.9	805.7	812.6	816.2	815.8	817.8	818.6	819.8	822.6	828.3
20°	767.4	776.3	781.9	791.2	796.4	795.6	799.2	800.5	802.1	804.9	807.3
22.5°	737.5	740.0	742.8	752.9	761.7	772.6	775.1	778.3	782.3	785.1	787.6
25°	720.6	719.0	720.2	727.1	731.9	732.7	736.3	746.8	757.7	762.6	768.2
27.5°	710.5	708.9	708.5	711.7	712.5	710.5	709.7	713.0	721.0	729.1	746.0
30°	699.6	697.6	696.0	698.8	700.0	697.2	692.0	689.2	694.0	696.0	702.9
32.5°	686.7	684.7	683.9	685.5	686.3	683.9	678.3	675.0	674.2	672.6	674.2
35°	672.2	670.2	669.0	669.4	671.0	669.0	664.2	660.1	658.1	653.7	650.4
37.5°	346.4	490.8	637.1	652.5	654.1	653.7	648.8	644.4	642.4	637.1	635.5
40°	158.5	177.0	265.7	347.2	500.8	636.3	631.9	627.5	623.8	622.2	616.2
42.5°	158.1	158.5	158.9	156.9	194.4	331.1	488.7	610.1	607.7	603.7	599.2
45°	158.1	156.1	157.7	155.3	156.1	155.7	194.0	312.9	556.9	581.9	579.9
47.5°	156.5	155.3	156.9	154.8	152.4	153.6	152.0	154.0	240.3	407.7	558.5
50°	149.2	150.0	152.8	152.4	150.4	152.0	149.2	151.6	149.6	164.1	316.2
52.5°	138.3	139.9	142.8	145.2	146.0	148.0	147.2	148.0	146.4	146.8	147.2
55°	125.4	127.4	129.8	133.5	135.1	138.3	140.7	141.9	144.0	143.6	140.3
57.5°	113.3	115.3	117.3	121.0	124.6	126.2	130.7	133.1	138.3	137.1	136.3
60°	102.0	103.6	105.7	106.5	110.9	113.7	117.7	120.2	127.0	128.6	131.1
62.5°	91.9	92.7	94.4	95.6	98.4	101.2	103.2	107.3	110.9	116.1	119.8
65°	82.7	83.5	84.7	85.5	85.9	89.9	91.1	95.6	96.8	102.4	105.7
67.5°	72.2	73.8	75.4	76.2	77.0	79.4	80.2	82.3	85.1	87.5	91.5
70°	61.3	62.5	64.1	65.3	66.9	68.6	71.0	72.2	74.2	75.8	79.0
72.5°	51.2	52.4	53.2	54.4	55.6	56.9	58.9	61.7	63.3	66.1	66.9
75°	41.5	42.7	43.6	44.4	45.6	46.4	47.2	50.0	51.6	54.0	56.5
77.5°	34.3	34.3	35.1	37.5	37.1	37.1	37.9	39.5	40.7	42.3	44.8
80°	26.6	27.0	27.4	29.4	29.8	30.2	29.8	31.1	32.3	32.7	34.3
82.5°	19.8	20.2	20.2	21.4	22.6	22.6	22.6	23.0	24.2	24.6	25.4
85°	13.3	13.7	14.1	14.5	15.3	15.7	16.1	16.1	16.9	17.3	17.7
87.5°	7.3	8.1	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7
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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CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	884.3	882.3	881.1	877.9	877.1	871.8	872.6	871.8	871.8	873.0	877.1
5°	922.2	912.6	910.1	903.3	897.6	888.0	881.9	878.7	873.8	871.8	874.7
7.5°	948.0	940.8	934.7	928.7	920.6	909.3	900.9	891.2	883.1	875.5	873.4
10°	943.6	951.7	951.7	948.0	940.4	929.1	919.0	906.9	892.8	880.7	873.4
12.5°	906.1	920.2	931.5	940.0	947.6	940.0	929.9	920.2	904.5	886.8	873.4
15°	865.0	879.5	893.6	911.4	929.9	937.6	937.2	925.9	911.8	893.2	874.7
17.5°	835.9	846.0	853.7	873.0	895.6	915.4	928.7	929.5	915.8	899.3	875.1
20°	814.2	821.4	827.9	838.8	858.5	882.7	907.3	921.0	918.6	900.5	876.3
22.5°	794.4	799.7	804.9	813.0	828.7	844.4	873.0	901.3	913.4	898.4	875.1
25°	774.6	780.3	784.3	790.0	802.5	815.4	835.5	870.6	897.6	896.8	872.6
27.5°	751.3	758.9	763.8	771.4	779.9	789.6	803.3	836.3	875.1	888.8	866.2
30°	723.0	734.3	741.6	750.1	757.3	765.8	776.7	796.8	844.8	873.0	859.3
32.5°	682.3	702.5	718.6	726.7	734.7	742.0	751.7	768.6	807.7	851.7	851.7
35°	653.3	662.5	677.1	700.4	710.5	717.8	726.7	740.0	765.0	826.3	839.2
37.5°	630.7	634.3	641.6	664.6	683.5	695.2	704.1	712.5	737.1	791.6	823.0
40°	613.8	612.5	611.7	622.6	649.6	668.2	678.3	686.7	705.7	750.1	801.7
42.5°	594.0	592.8	588.7	591.6	604.9	635.9	651.3	660.5	676.3	706.5	778.3
45°	573.4	571.4	569.8	567.0	571.8	589.2	620.6	634.3	643.2	670.2	748.8
47.5°	552.5	549.6	547.6	545.2	542.4	550.4	580.3	604.9	620.2	637.1	713.4
50°	522.6	526.2	523.8	521.0	518.6	517.0	529.5	569.8	588.7	602.5	670.2
52.5°	246.4	479.1	499.2	496.4	493.2	490.4	493.2	523.8	558.1	569.0	618.2
55°	140.3	213.3	444.0	469.4	466.6	462.5	460.1	470.6	521.8	536.3	570.6
57.5°	135.1	135.5	196.0	423.0	438.7	435.1	432.3	434.7	478.3	502.9	529.1
60°	130.7	130.7	130.7	187.1	404.5	405.7	402.0	398.0	417.0	465.4	487.1
62.5°	121.0	123.4	124.6	124.6	184.7	374.6	371.0	369.8	370.6	420.2	445.2
65°	108.5	114.1	116.5	118.2	118.2	194.0	339.1	337.1	334.3	353.2	402.8
67.5°	94.8	100.4	105.7	108.9	109.3	112.9	202.4	303.6	299.6	300.0	357.7
70°	80.7	85.5	91.1	96.0	100.4	102.4	105.7	252.0	265.3	259.7	306.5
72.5°	69.8	71.8	75.8	80.7	85.9	90.7	93.6	100.4	230.3	224.2	233.1
75°	58.1	59.7	62.5	65.7	69.8	75.4	80.2	85.1	122.2	187.9	186.7
77.5°	45.2	48.0	51.2	53.2	55.2	59.3	65.7	70.6	75.4	127.0	149.6
80°	34.7	36.7	38.3	40.3	42.7	45.6	48.0	53.6	59.3	63.7	114.5
82.5°	25.8	27.0	28.2	29.0	29.8	31.5	35.9	37.9	41.5	45.6	54.0
85°	18.1	19.0	19.8	20.2	20.6	21.0	22.6	23.0	26.6	27.4	32.7
87.5°	11.7	12.1	12.9	13.3	13.3	13.7	14.1	14.1	14.1	13.3	16.1
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: P1214020

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	879.9	879.9
2.5°	880.3	886.8
5°	879.1	887.6
7.5°	875.9	883.9
10°	871.0	880.7
12.5°	865.8	875.1
15°	861.3	868.2
17.5°	856.5	860.5
20°	850.1	853.3
22.5°	843.6	842.0
25°	836.3	832.7
27.5°	827.1	820.2
30°	818.6	806.5
32.5°	810.5	790.8
35°	799.7	774.6
37.5°	788.4	758.1
40°	775.1	739.2
42.5°	760.9	720.2
45°	743.2	702.1
47.5°	727.5	680.3
50°	705.7	656.9
52.5°	679.1	635.1
55°	647.6	608.5
57.5°	613.8	580.7
60°	577.5	548.8
62.5°	533.5	515.8
65°	481.9	477.9
67.5°	414.5	435.9
70°	339.9	387.9
72.5°	284.3	337.1
75°	233.1	280.3
77.5°	184.7	219.8
80°	115.3	160.9
82.5°	77.4	105.7
85°	46.8	50.4
87.5°	18.1	18.5
90°	0.0	0.0

(END OF REPORT)