

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: P1213326

Luminaire Tested: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213326
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: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

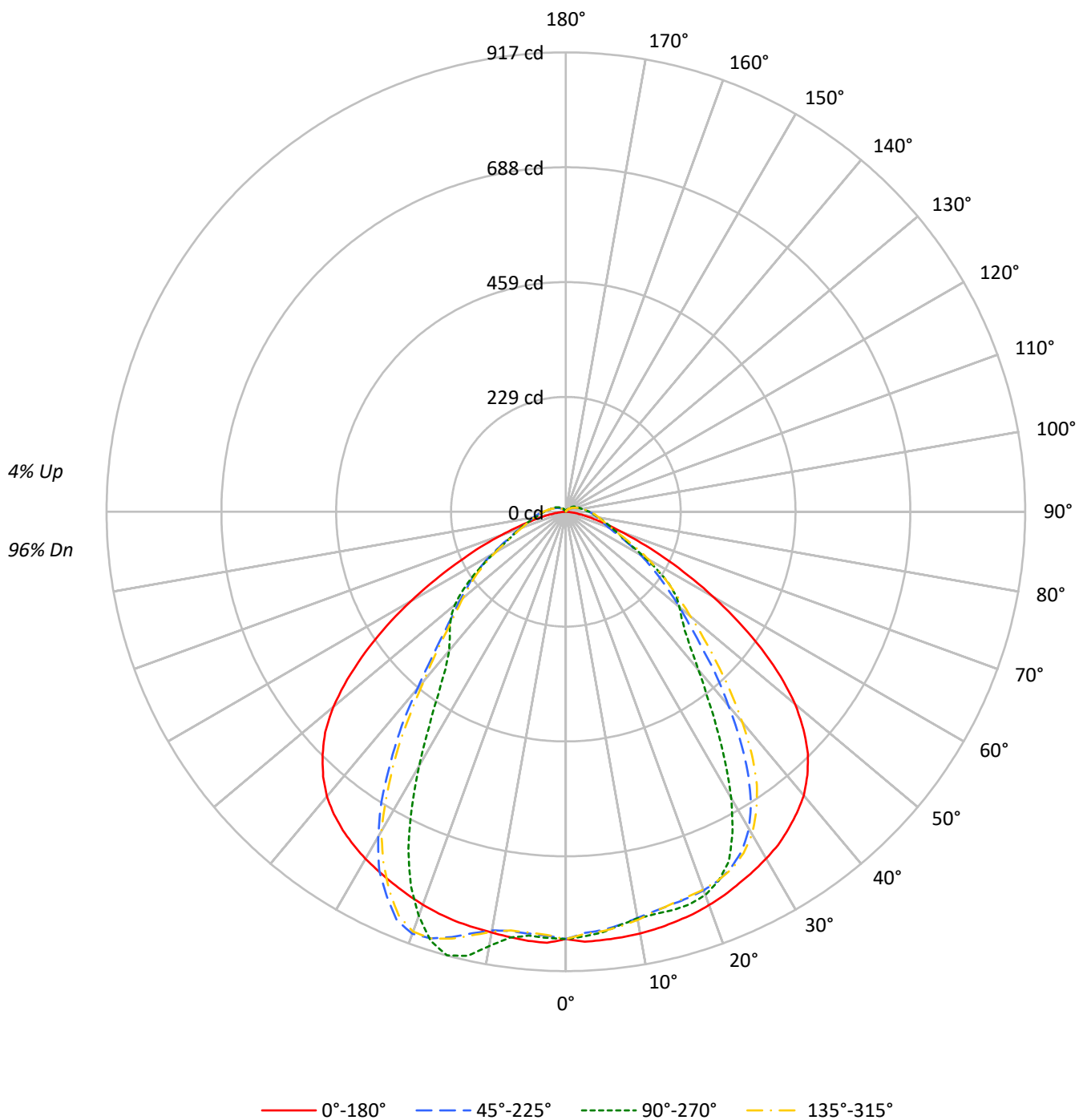
Lumens per Lamp: N/A
Luminaire Lumens: 2033.0 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	96
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	84	84	82
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	73	73	71
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	63	63	61
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	56	56	54
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	49	49	47
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	44	44	42
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	40	40	38
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	36	36	34
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	33	33	31
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	30	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13783	13783	13783	13783
5°	13846	13237	13873	13341
10°	13872	12687	13843	13547
15°	13940	12517	13932	13937
20°	14052	12317	14037	12985
25°	14181	11686	14174	11291
30°	14401	10128	14408	8973
35°	14629	8190	14671	6931
40°	14817	6594	14879	5810
45°	14697	5585	14772	5439
50°	13987	5142	14183	5027
55°	12329	4623	12637	4203
60°	9920	3538	10445	3244
65°	7294	2706	7857	2566
70°	4884	2336	5509	2233
75°	3124	2109	3636	1992
80°	1938	1966	2268	1809
85°	909	1959	1190	1791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 14772 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	4.0
10°-20°	241.0	11.9
20°-30°	366.4	18.0
30°-40°	393.1	19.3
40°-50°	341.1	16.8
50°-60°	252.8	12.4
60°-70°	144.9	7.1
70°-80°	80.2	3.9
80°-90°	48.8	2.4
90°-100°	31.8	1.6
100°-110°	21.3	1.0
110°-120°	14.4	0.7
120°-130°	8.8	0.4
130°-140°	4.6	0.2
140°-150°	2.1	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	688.4	33.9
0°-40°	1081.5	53.2
0°-60°	1675.5	82.4
0°-90°	1949.4	95.9
90°-120°	67.4	3.3
90°-150°	82.9	4.1
90°-180°	84.0	4.1
0°-180°	2033.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	853	853	853	853	853	
5°	858	843	860	849	858	82
15°	847	823	847	917	847	240
25°	818	770	818	744	818	378
35°	774	524	776	444	774	484
45°	683	336	687	327	683	523
55°	477	252	488	229	477	423
65°	216	128	233	121	216	218
75°	62	81	72	77	62	70
85°	8	56	11	51	8	11
90°	0	47	1	43	0	0
95°	0	38	0	37	0	0
105°	0	29	0	27	0	0
115°	0	23	0	21	0	0
125°	0	18	0	14	0	0
135°	0	11	0	9	0	0
145°	0	7	1	5	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°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	859.0	856.8	855.9	854.1	855.4	860.7	857.2	851.5	851.9	841.8	847.1
5°	858.1	855.4	854.1	852.4	853.2	858.1	854.6	848.8	848.4	838.3	843.1
7.5°	856.8	854.1	851.9	850.6	851.0	855.0	850.6	844.0	842.7	831.6	836.1
10°	854.6	852.8	849.7	847.5	847.1	851.5	844.4	837.8	834.7	823.3	827.7
12.5°	851.5	848.8	845.7	841.8	841.3	844.0	838.3	829.0	825.9	816.7	821.5
15°	847.1	844.0	840.5	836.1	833.9	835.6	828.6	820.2	819.8	811.8	818.4
17.5°	842.2	837.8	833.9	827.7	824.6	825.9	820.2	812.7	813.6	808.7	816.2
20°	835.6	830.8	824.6	818.4	814.0	816.2	812.3	806.5	807.9	804.3	810.9
22.5°	828.1	821.5	814.0	807.0	803.5	806.5	803.5	798.6	799.1	796.8	800.8
25°	818.4	810.9	802.1	793.3	791.6	793.8	792.0	788.0	786.3	782.8	784.5
27.5°	809.6	801.3	790.2	781.0	777.9	782.3	778.3	771.7	766.9	762.1	758.5
30°	799.5	789.4	777.0	766.5	763.8	765.6	759.8	749.7	736.9	730.8	721.1
32.5°	788.5	775.3	759.8	748.0	746.2	744.9	734.3	719.8	699.9	687.6	672.6
35°	773.9	759.4	740.9	726.4	723.7	716.2	699.1	679.7	654.1	633.0	607.4
37.5°	757.6	740.5	721.1	701.7	694.2	679.2	655.0	634.7	596.0	570.4	539.6
40°	739.1	718.4	694.7	671.3	659.0	634.7	607.0	577.0	539.6	505.2	479.3
42.5°	713.6	691.6	663.4	637.4	616.2	584.1	551.5	509.2	474.9	445.8	419.3
45°	683.2	656.8	624.2	592.9	566.0	527.7	489.4	447.1	418.5	384.5	366.5
47.5°	644.0	615.4	580.6	545.8	510.5	468.2	428.2	387.6	359.0	334.8	321.6
50°	597.7	571.3	533.0	491.6	452.8	408.8	368.7	338.3	310.5	295.6	285.4
52.5°	540.5	515.8	476.6	431.7	394.2	351.1	314.5	289.8	270.0	259.0	255.5
55°	476.6	455.0	416.3	374.4	336.1	296.5	268.7	247.1	234.3	227.7	228.2
57.5°	408.3	391.6	355.0	317.6	281.5	251.5	226.4	209.2	199.5	199.1	200.4
60°	340.1	327.7	296.0	263.9	232.1	207.9	189.4	177.5	171.4	171.8	171.4
62.5°	274.9	263.4	240.5	214.1	189.0	172.7	155.9	151.1	145.8	145.4	145.4
65°	216.3	207.5	189.0	170.0	151.1	140.5	132.1	126.4	122.5	121.6	122.0
67.5°	162.5	159.0	146.2	133.5	121.6	115.0	107.9	106.6	103.5	103.5	104.4
70°	121.1	118.5	111.4	104.0	99.1	94.7	91.2	91.2	90.7	90.3	92.5
72.5°	87.7	88.1	85.9	80.2	79.7	78.8	78.0	79.3	79.7	81.1	83.7
75°	61.7	63.0	63.0	62.1	63.9	66.1	67.4	69.6	72.2	74.0	77.1
77.5°	43.6	43.6	45.8	48.5	52.0	55.9	59.5	62.5	66.1	68.3	70.9
80°	28.2	29.5	33.0	37.9	42.7	48.0	52.9	56.8	60.3	63.9	65.6
82.5°	16.7	18.9	23.3	29.5	35.7	42.3	47.1	52.0	55.9	59.5	60.8
85°	8.4	11.5	16.7	23.3	30.0	37.0	43.2	47.6	52.0	55.1	56.8
87.5°	2.6	6.2	11.9	18.1	25.1	32.2	38.8	43.6	47.6	50.2	52.0
90°	0.0	3.1	8.4	15.0	21.6	28.6	34.8	40.1	44.0	46.3	47.6
92.5°	0.0	1.8	6.6	12.3	18.5	25.5	31.7	36.6	40.1	42.3	43.2
95°	0.4	1.3	4.8	10.1	16.3	22.9	28.6	33.0	36.6	38.8	39.2
97.5°	0.4	0.9	4.0	8.4	14.1	20.3	26.0	30.4	33.0	35.2	35.7
100°	0.4	0.9	3.1	7.5	12.3	18.1	23.3	27.3	30.4	32.2	32.6
102.5°	0.4	0.4	2.6	6.2	11.0	15.9	20.7	24.7	27.3	29.1	30.0
105°	0.4	0.4	2.2	5.3	9.7	14.1	18.5	22.5	24.7	26.4	27.3
107.5°	0.4	0.4	1.8	4.4	8.4	12.3	16.7	19.8	22.5	24.2	25.1
110°	0.4	0.4	1.3	4.0	7.0	11.0	14.5	17.6	20.3	22.0	22.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.4	0.4	1.3	3.5	6.2	9.7	12.8	15.9	18.1	19.8	21.1
115°	0.4	0.4	1.3	3.1	5.7	8.4	11.5	14.1	16.3	18.1	19.4
117.5°	0.4	0.4	1.3	2.6	4.8	7.5	10.1	12.8	14.5	16.3	17.6
120°	0.4	0.4	0.9	2.2	4.4	6.6	8.8	11.0	13.2	15.0	16.3
122.5°	0.4	0.4	0.9	2.2	3.5	5.7	7.9	9.7	11.9	13.2	14.5
125°	0.4	0.4	0.9	1.8	3.1	5.3	7.0	8.8	10.1	11.9	13.2
127.5°	0.4	0.4	0.9	1.8	2.6	4.4	6.2	7.9	9.3	10.6	11.5
130°	0.4	0.4	0.9	1.3	2.2	3.5	5.3	6.6	8.4	9.3	10.1
132.5°	0.4	0.4	0.4	1.3	1.8	2.6	4.0	5.7	7.0	8.4	8.8
135°	0.4	0.4	0.4	0.9	1.8	2.2	3.1	4.4	5.7	7.0	7.9
137.5°	0.4	0.4	0.4	0.9	1.3	2.2	2.6	3.5	4.8	5.7	7.0
140°	0.4	0.4	0.4	0.9	1.3	1.8	2.2	3.1	4.0	4.8	5.7
142.5°	0.4	0.4	0.4	0.9	0.9	1.3	1.8	2.6	3.1	4.0	4.8
145°	0.4	0.4	0.4	0.9	0.9	1.3	1.8	2.2	2.6	3.1	4.0
147.5°	0.4	0.4	0.4	0.9	0.9	0.9	1.3	1.8	2.2	2.6	3.1
150°	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.8	2.2	2.6
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.8	2.2
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.8	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	845.3	846.2	851.5	851.0	850.1	849.3	849.3	848.4	849.3	851.5	850.6
5°	840.9	842.2	846.2	845.7	844.9	844.4	844.0	842.7	843.5	846.6	845.7
7.5°	833.0	834.3	837.8	836.1	834.7	835.6	833.4	832.1	833.9	836.9	836.5
10°	824.6	825.5	829.9	829.0	826.8	827.2	825.0	824.2	826.4	828.1	828.6
12.5°	818.9	822.0	825.9	825.5	825.0	825.5	823.3	822.4	823.7	825.5	825.0
15°	817.6	821.5	825.9	825.9	826.4	826.8	824.6	823.3	824.6	825.9	825.5
17.5°	816.2	821.1	825.0	824.6	825.0	825.9	822.4	821.5	823.3	825.0	824.2
20°	811.8	816.2	818.9	818.0	818.0	818.4	814.0	814.0	816.7	818.0	818.4
22.5°	799.5	804.8	804.8	802.6	802.6	800.8	799.5	796.8	799.9	802.1	803.9
25°	781.0	783.2	780.6	775.7	773.1	770.9	764.7	770.0	770.0	776.6	778.8
27.5°	755.0	750.2	742.7	732.5	730.3	723.3	719.3	720.6	722.8	732.1	739.1
30°	712.3	697.7	685.0	680.6	670.9	663.8	656.8	660.3	664.3	669.5	684.1
32.5°	655.9	641.8	621.1	613.6	603.5	594.7	586.3	591.6	598.6	602.2	618.0
35°	591.1	574.4	555.5	542.7	532.1	527.3	516.7	524.2	531.7	534.3	548.0
37.5°	522.4	505.2	488.5	477.5	467.4	464.3	457.2	462.5	468.2	472.2	483.7
40°	457.2	441.4	428.6	421.1	414.1	411.4	408.8	411.0	415.4	418.5	427.3
42.5°	401.3	388.5	379.7	375.3	370.5	366.9	367.4	368.3	370.5	377.1	381.0
45°	352.4	344.9	339.2	338.3	335.2	334.8	334.3	336.1	337.4	341.4	344.5
47.5°	313.2	310.1	308.8	310.5	311.9	310.1	311.0	313.2	315.8	315.8	315.4
50°	282.4	283.2	285.0	289.0	291.6	292.5	293.4	296.0	296.5	297.3	296.0
52.5°	257.2	258.1	263.0	269.1	272.2	273.5	275.3	278.0	278.0	278.8	277.1
55°	231.7	233.0	237.9	244.0	246.7	248.4	250.2	252.0	253.3	255.0	253.7
57.5°	203.5	207.5	210.6	212.3	214.1	215.4	216.7	217.2	219.8	220.2	222.4
60°	173.6	174.4	177.5	177.1	175.8	179.3	177.5	180.6	183.7	187.6	188.1
62.5°	144.9	145.4	147.6	146.7	148.4	148.0	149.3	149.3	151.5	153.3	155.5
65°	122.5	122.9	124.7	124.7	124.2	125.5	126.9	127.7	127.7	129.1	130.8
67.5°	105.7	107.0	108.8	109.7	110.6	110.6	111.9	112.3	113.2	113.6	114.5
70°	94.3	96.0	97.8	98.7	99.1	100.0	100.4	100.4	101.3	101.8	102.6
72.5°	85.9	87.7	89.0	89.0	89.9	90.3	90.3	90.7	91.2	92.1	92.9
75°	78.8	80.2	81.1	80.6	80.6	80.6	81.1	81.1	81.9	82.8	83.7
77.5°	72.2	73.6	73.6	72.7	72.7	72.7	72.7	73.1	73.6	74.4	75.3
80°	67.4	67.4	67.0	67.0	66.1	65.6	65.6	66.1	66.1	67.0	68.3
82.5°	62.1	62.1	61.7	61.2	60.8	60.3	60.3	60.8	61.2	61.7	62.5
85°	57.3	57.3	56.4	56.4	55.9	55.9	55.9	55.9	56.4	56.8	57.7
87.5°	52.4	52.0	51.5	51.1	51.1	51.1	51.1	51.1	51.5	52.4	52.9
90°	47.6	47.1	46.7	46.7	46.3	46.3	46.7	46.7	47.1	47.6	48.0
92.5°	43.2	42.7	42.3	42.3	41.8	41.8	42.3	41.8	42.7	42.7	43.2
95°	39.2	38.8	38.3	38.3	38.3	38.3	38.3	38.3	38.8	38.8	39.2
97.5°	35.7	35.2	34.8	34.8	35.2	34.8	35.2	35.2	35.2	35.7	36.1
100°	32.6	32.2	32.2	32.6	32.2	32.2	32.6	32.6	32.6	32.6	33.0
102.5°	30.0	30.0	30.0	30.0	30.0	30.0	30.4	30.4	30.4	30.4	30.8
105°	27.3	27.8	27.8	27.8	28.2	28.2	28.2	28.6	28.6	28.6	28.6
107.5°	25.5	26.0	26.0	26.4	26.4	26.9	26.9	26.9	26.9	27.3	27.3
110°	23.8	24.2	24.7	25.1	25.1	25.5	25.5	25.5	25.5	25.5	25.5

TEST NUMBER: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	22.0	22.5	22.9	23.8	24.2	24.2	24.2	24.2	24.7	24.7	24.2
115°	20.3	21.1	21.6	22.5	22.9	22.9	23.3	23.3	23.3	23.3	22.9
117.5°	18.5	19.8	20.3	21.1	21.6	21.6	22.0	22.0	22.0	22.0	21.6
120°	17.2	18.1	18.9	19.4	19.8	20.3	20.3	20.7	20.7	20.7	20.3
122.5°	15.9	16.7	17.6	18.1	18.5	18.9	18.9	18.9	18.9	18.9	18.9
125°	14.1	15.0	15.9	16.3	16.7	17.2	17.2	17.6	17.6	17.6	17.2
127.5°	12.8	13.7	14.1	15.0	15.4	15.4	15.9	15.9	15.9	15.9	15.4
130°	11.0	11.9	12.8	13.2	13.7	13.7	14.1	14.1	14.1	14.1	14.1
132.5°	9.7	10.6	11.0	11.9	11.9	12.3	12.3	12.8	12.8	12.8	12.3
135°	8.8	9.3	9.7	10.6	10.6	11.0	11.0	11.0	11.0	11.0	11.0
137.5°	7.9	8.4	8.8	9.3	9.3	9.7	9.7	9.7	9.7	10.1	9.7
140°	6.6	7.5	7.9	7.9	8.4	8.4	8.4	8.8	8.8	8.8	8.4
142.5°	5.7	6.2	6.6	7.0	7.5	7.5	7.5	7.5	7.9	7.5	7.5
145°	4.4	5.3	5.7	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6
147.5°	3.5	4.0	4.8	5.3	5.3	5.7	5.7	5.7	5.7	5.7	5.7
150°	3.1	3.1	4.0	4.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8
152.5°	2.2	2.6	3.1	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
155°	2.2	2.2	2.6	2.6	3.1	3.1	3.1	3.1	3.5	3.1	3.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	849.3	848.8	850.6	848.8	840.0	843.5	842.2	847.1	847.5	848.8	853.2
5°	844.9	844.9	847.1	845.3	836.9	840.5	840.0	844.9	845.7	846.6	851.5
7.5°	836.1	836.5	839.6	838.3	829.4	834.7	834.3	840.0	841.8	843.5	847.9
10°	827.7	827.2	830.8	829.4	821.1	827.2	826.8	832.5	835.2	838.3	843.5
12.5°	823.3	822.0	823.3	822.0	812.7	817.6	818.0	824.6	827.7	831.6	837.8
15°	823.3	821.1	821.1	818.4	807.9	810.9	811.4	815.8	819.8	823.7	831.2
17.5°	822.4	820.2	819.8	817.6	806.1	806.1	805.7	808.7	810.9	814.9	822.8
20°	817.6	816.7	816.2	814.9	804.3	802.6	801.7	801.7	803.0	804.3	812.3
22.5°	804.8	805.7	806.5	807.4	799.1	796.0	796.4	795.5	794.2	794.2	800.8
25°	781.0	785.4	788.9	792.9	788.0	785.8	788.5	787.2	785.0	783.2	788.9
27.5°	743.1	752.4	759.8	769.5	770.0	768.2	775.3	774.4	773.9	771.3	775.7
30°	690.7	705.2	715.4	729.5	741.3	743.1	755.0	756.8	758.5	757.2	761.6
32.5°	627.3	647.1	664.3	686.3	697.7	707.9	724.6	731.7	738.7	740.9	745.8
35°	558.1	580.6	600.8	625.1	643.1	665.1	685.4	696.0	711.8	718.0	725.0
37.5°	492.5	513.6	533.4	557.7	586.7	609.6	634.7	658.5	680.1	688.9	699.5
40°	434.3	451.5	470.4	491.6	518.0	548.0	575.3	608.3	633.9	651.5	666.9
42.5°	390.3	398.6	414.9	433.9	455.0	485.4	513.2	550.2	581.0	606.1	631.7
45°	351.1	355.0	366.9	377.1	398.6	425.5	455.0	491.1	523.3	555.5	586.3
47.5°	317.6	322.4	328.2	334.3	349.8	372.2	397.8	430.4	462.5	500.0	535.2
50°	295.1	296.5	297.3	300.0	309.2	324.6	345.3	373.1	403.9	444.0	481.5
52.5°	275.3	275.3	272.7	271.3	274.9	284.6	296.5	316.3	348.0	385.0	424.6
55°	254.2	250.2	249.3	244.9	245.8	250.2	255.9	271.3	297.3	329.0	367.4
57.5°	224.7	222.9	222.9	221.1	217.6	219.8	221.1	232.1	250.6	278.0	311.4
60°	190.7	189.9	192.1	192.5	189.4	190.7	190.3	196.9	210.1	232.1	259.9
62.5°	156.8	160.8	161.2	163.0	161.2	160.8	163.0	168.7	175.3	192.1	213.6
65°	131.7	133.9	134.3	136.6	135.7	135.7	137.4	141.8	145.8	157.3	174.0
67.5°	115.4	114.5	115.0	116.3	115.0	114.5	115.8	118.5	121.6	128.6	140.5
70°	102.6	101.8	101.8	101.8	100.0	98.7	99.1	100.0	101.3	105.3	112.8
72.5°	92.9	92.9	91.6	90.3	89.0	88.1	87.2	86.3	85.9	87.2	91.2
75°	84.1	84.6	84.1	82.8	81.1	79.3	77.5	75.8	73.6	72.7	73.1
77.5°	76.2	76.6	77.1	76.6	74.9	72.7	70.0	67.4	64.3	61.2	59.5
80°	69.2	70.0	70.5	70.0	68.7	67.0	63.9	60.8	56.4	52.4	48.0
82.5°	63.0	64.3	64.8	64.8	63.9	62.1	58.6	55.1	50.2	44.9	39.2
85°	58.1	59.0	59.9	59.9	59.5	57.7	54.2	50.2	45.4	39.2	33.0
87.5°	53.3	53.7	54.6	55.5	54.6	52.9	49.8	45.4	40.5	34.4	27.3
90°	48.5	48.9	49.8	50.7	50.2	48.5	45.8	41.8	36.6	30.0	22.9
92.5°	43.6	44.5	44.9	45.4	45.8	44.5	42.3	38.3	33.0	26.4	19.8
95°	40.1	40.1	41.0	41.4	41.8	40.5	38.8	34.8	30.0	23.8	17.2
97.5°	36.6	36.6	37.4	37.4	37.9	37.0	35.2	31.7	26.9	21.1	14.5
100°	33.0	33.5	33.9	34.4	34.4	33.9	32.2	28.6	24.2	18.9	12.8
102.5°	30.8	30.8	31.3	31.3	31.7	30.8	29.1	26.0	21.6	16.7	11.0
105°	28.6	28.6	29.1	29.1	28.6	27.8	26.0	23.3	19.4	14.5	9.7
107.5°	26.9	26.9	26.9	26.9	26.4	25.5	23.8	20.7	17.2	13.2	8.8
110°	25.5	25.1	25.1	24.7	24.2	22.9	21.1	18.5	15.4	11.5	7.5

TEST NUMBER: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	24.2	23.8	23.3	22.9	22.0	20.7	18.9	16.7	13.7	10.1	6.6
115°	22.9	22.5	22.0	21.1	20.3	18.9	17.2	15.0	11.9	8.8	5.7
117.5°	21.6	21.1	20.3	19.4	18.5	17.2	15.4	13.2	10.6	7.9	5.3
120°	19.8	19.4	18.9	18.1	17.2	15.4	13.7	11.9	9.3	7.0	4.4
122.5°	18.5	18.1	17.2	16.7	15.4	14.1	12.3	10.6	8.4	6.2	4.0
125°	16.7	16.3	15.9	15.0	14.1	12.3	11.0	9.3	7.5	5.3	3.1
127.5°	15.4	15.0	14.1	13.2	12.3	11.0	9.7	8.4	6.6	4.4	3.1
130°	13.7	13.2	12.8	11.9	11.0	9.7	8.8	7.0	5.7	4.0	2.6
132.5°	11.9	11.9	11.5	10.6	9.7	8.8	7.5	6.2	4.8	3.5	2.2
135°	11.0	10.6	10.1	9.3	8.8	7.5	6.6	5.3	4.0	3.1	1.8
137.5°	9.7	9.3	8.8	8.4	7.5	6.6	5.7	4.4	3.5	2.6	1.8
140°	8.4	7.9	7.9	7.0	6.6	5.7	4.8	4.0	3.1	2.2	1.3
142.5°	7.5	7.0	6.6	6.2	5.7	4.8	4.0	3.1	2.6	1.8	1.3
145°	6.6	6.2	5.7	5.3	4.8	4.0	3.5	2.6	2.2	1.8	1.3
147.5°	5.3	5.3	4.8	4.4	4.0	3.5	3.1	2.6	1.8	1.3	0.9
150°	4.4	4.4	4.0	3.5	3.5	3.1	2.6	2.2	1.8	1.3	0.9
152.5°	4.0	3.5	3.5	3.1	3.1	2.6	2.2	1.8	1.3	1.3	0.9
155°	3.1	3.1	3.1	2.6	2.6	2.2	1.8	1.8	1.3	0.9	0.9
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: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	854.1	848.8	853.2	861.2	860.3	859.4	858.5	860.3	866.0	862.9	858.1
5°	852.8	847.5	852.4	859.8	859.4	858.1	857.2	859.0	864.7	861.6	856.3
7.5°	850.1	845.3	848.8	856.3	856.3	855.4	854.6	856.3	861.6	859.0	853.7
10°	845.7	842.2	845.7	852.8	853.2	851.5	850.6	852.8	858.1	856.8	852.4
12.5°	842.2	838.7	842.7	849.7	850.1	848.4	847.1	849.7	856.8	857.6	856.3
15°	837.4	834.3	839.1	846.6	846.6	845.3	845.3	848.8	858.5	862.5	864.7
17.5°	830.3	828.1	833.9	841.3	841.8	840.9	841.3	848.4	861.2	870.9	877.0
20°	821.5	820.6	826.8	834.7	836.1	836.5	838.7	849.3	866.9	880.1	886.3
22.5°	810.9	811.4	818.4	826.8	828.6	829.9	834.3	849.3	871.3	885.4	888.0
25°	799.1	800.4	807.9	818.0	820.2	822.8	830.3	849.7	872.6	881.9	877.5
27.5°	786.3	788.9	798.6	809.2	811.8	816.2	825.9	847.1	866.4	866.9	850.6
30°	773.1	776.1	787.6	799.9	804.3	808.7	820.6	840.9	851.5	837.4	808.7
32.5°	758.1	762.5	773.9	788.9	794.2	799.9	811.8	829.0	825.0	794.6	753.7
35°	739.1	745.3	758.5	776.1	781.0	788.5	796.8	800.8	783.2	740.0	693.8
37.5°	715.8	725.0	740.5	760.7	766.0	770.9	773.1	762.1	726.8	680.1	632.1
40°	688.9	703.0	719.8	742.2	747.5	747.5	739.6	716.2	671.7	610.5	557.2
42.5°	656.3	673.5	694.7	717.1	722.4	716.2	697.3	656.3	605.7	537.4	481.0
45°	616.7	639.6	663.4	686.7	689.4	675.7	641.8	589.8	527.3	463.8	410.1
47.5°	569.6	599.5	625.5	651.9	648.4	625.5	580.1	521.1	455.0	395.1	352.0
50°	516.7	551.9	581.0	606.1	598.6	566.9	513.6	451.9	386.3	335.2	299.5
52.5°	460.3	500.8	529.9	550.2	540.0	502.2	443.6	384.5	330.8	284.1	260.3
55°	401.7	442.7	472.6	488.5	475.3	434.3	376.6	322.9	272.2	241.8	227.7
57.5°	344.9	383.2	411.4	424.2	407.5	366.5	313.2	267.8	231.3	205.7	198.7
60°	290.3	321.6	348.4	358.1	340.1	302.2	256.4	220.2	193.4	175.8	172.2
62.5°	239.6	265.2	286.3	293.8	276.2	246.7	207.0	180.2	161.2	152.4	148.0
65°	197.8	212.8	234.3	233.0	222.4	195.1	166.1	147.1	134.8	129.1	126.4
67.5°	155.5	169.1	182.8	184.6	171.4	152.4	133.5	119.8	113.2	110.1	108.8
70°	120.3	130.4	138.8	136.6	129.5	117.6	105.7	98.2	95.6	94.3	94.3
72.5°	93.4	98.7	102.6	100.0	95.6	89.4	83.7	80.6	81.1	81.9	82.8
75°	72.2	73.6	74.4	71.8	70.9	67.0	66.5	67.0	69.6	72.2	73.6
77.5°	55.5	53.7	52.4	49.8	50.2	49.8	52.0	55.5	59.5	63.4	67.0
80°	42.7	38.8	35.7	33.0	34.4	36.6	41.0	46.3	51.5	55.9	60.3
82.5°	33.0	27.3	22.9	20.3	22.9	26.4	32.2	38.8	44.9	49.8	54.6
85°	25.5	18.9	13.7	11.0	13.7	18.9	25.1	32.6	39.2	44.5	49.3
87.5°	19.8	13.7	7.5	4.4	7.5	13.2	20.3	27.3	33.9	40.1	44.9
90°	15.9	9.3	3.5	0.9	4.0	9.3	15.9	22.9	29.5	36.1	41.0
92.5°	12.8	6.6	1.8	0.0	2.2	7.0	13.2	19.8	26.4	32.6	37.4
95°	10.6	5.3	1.3	0.0	1.8	5.3	10.6	17.2	23.3	29.5	33.5
97.5°	8.8	4.0	0.9	0.0	0.9	4.4	8.8	14.5	20.7	26.4	30.4
100°	7.5	3.5	0.9	0.0	0.9	3.5	7.5	12.8	18.1	23.3	27.3
102.5°	6.2	2.6	0.4	0.4	0.4	2.6	6.6	11.0	15.9	20.7	24.7
105°	5.7	2.2	0.4	0.4	0.4	2.2	5.7	9.7	14.1	18.5	22.0
107.5°	4.8	1.8	0.4	0.4	0.4	1.8	4.8	8.4	12.8	16.7	19.8
110°	4.0	1.8	0.4	0.4	0.4	1.8	4.0	7.5	11.0	14.5	17.6



TEST NUMBER: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	3.5	1.3	0.4	0.4	0.4	1.3	3.5	6.6	9.7	13.2	15.9
115°	3.1	1.3	0.4	0.4	0.4	1.3	3.1	5.7	8.4	11.5	14.1
117.5°	2.6	1.3	0.4	0.4	0.4	0.9	2.6	4.8	7.5	10.1	12.8
120°	2.2	0.9	0.4	0.4	0.4	0.9	2.2	4.4	6.6	8.8	11.0
122.5°	2.2	0.9	0.4	0.4	0.4	0.9	1.8	3.5	5.7	7.5	9.7
125°	1.8	0.9	0.4	0.4	0.4	0.4	1.8	3.1	4.8	6.6	8.4
127.5°	1.8	0.9	0.4	0.4	0.4	0.4	1.3	2.6	4.0	5.7	7.5
130°	1.3	0.9	0.4	0.4	0.4	0.4	0.9	2.2	3.5	4.8	6.2
132.5°	1.3	0.9	0.4	0.4	0.4	0.4	0.9	1.8	2.6	4.0	5.3
135°	1.3	0.4	0.4	0.4	0.4	0.4	0.4	1.3	2.2	3.1	4.0
137.5°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.8	2.2	3.5
140°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	1.8	2.6
142.5°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	2.2
145°	0.9	0.4	0.4	0.9	0.9	0.4	0.4	0.9	0.9	1.3	1.8
147.5°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	1.3
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	857.2	847.1	852.4	850.6	852.4	856.8	856.3	855.0	855.9	853.7	851.5
5°	855.4	845.3	850.6	848.4	850.6	855.0	854.1	852.8	854.1	851.5	849.3
7.5°	853.2	844.0	850.1	849.7	853.7	859.4	859.8	859.8	862.9	859.0	857.2
10°	853.2	848.4	856.8	859.8	870.0	877.5	878.3	880.1	885.4	884.5	880.1
12.5°	862.5	861.6	873.9	881.4	890.7	901.2	907.0	908.7	912.3	909.6	907.9
15°	874.4	878.8	892.4	900.8	910.9	918.9	920.2	921.1	923.7	919.7	916.7
17.5°	890.2	892.9	903.9	907.4	914.0	915.3	913.6	909.2	909.2	900.4	897.7
20°	897.7	896.4	900.8	895.1	892.4	884.5	877.0	868.6	868.2	859.0	858.1
22.5°	891.1	882.3	873.1	859.0	852.8	841.3	831.2	826.4	823.3	811.4	808.3
25°	867.8	846.2	832.5	815.8	800.8	787.6	777.9	767.8	758.1	748.4	744.0
27.5°	827.2	807.0	785.0	761.6	740.9	720.6	704.3	694.2	685.0	672.2	665.6
30°	777.5	749.3	725.0	702.6	668.7	644.0	630.3	610.1	603.0	597.3	585.0
32.5°	718.9	685.0	651.9	621.5	586.7	563.8	545.8	530.8	526.4	511.4	507.9
35°	654.1	609.6	572.2	542.2	517.1	489.4	474.4	464.3	455.5	445.3	443.6
37.5°	577.9	537.8	495.6	469.1	449.3	425.5	414.1	407.0	403.0	395.6	394.2
40°	501.3	461.2	432.1	405.7	393.4	380.6	372.2	369.1	367.4	364.7	362.1
42.5°	431.7	396.4	375.7	358.1	352.8	346.7	344.5	346.2	344.5	343.6	343.1
45°	372.7	345.8	331.2	326.0	324.6	322.9	324.6	327.7	328.2	327.3	327.3
47.5°	318.9	306.1	300.0	300.9	303.1	304.4	307.5	311.4	312.3	310.1	311.0
50°	283.7	276.2	274.9	278.4	283.2	285.0	288.5	291.6	291.2	290.3	289.4
52.5°	250.6	248.4	252.0	255.5	260.8	261.7	263.0	264.3	263.9	262.1	261.2
55°	222.9	224.7	227.7	229.1	233.0	232.6	233.0	233.0	231.3	230.4	229.1
57.5°	197.8	198.2	200.0	200.4	202.6	201.7	201.3	200.4	197.8	197.3	196.0
60°	172.2	171.4	175.3	172.2	174.0	172.2	171.8	169.6	166.9	166.5	165.6
62.5°	148.0	146.2	148.9	147.6	148.4	146.7	145.8	143.2	141.0	140.5	140.1
65°	126.4	125.5	128.2	127.7	128.6	126.4	125.5	123.8	122.0	121.6	121.1
67.5°	108.4	110.6	111.9	111.9	112.8	112.3	110.1	109.7	109.2	107.5	107.5
70°	95.1	96.5	99.1	99.6	99.1	100.0	98.2	97.8	97.3	96.5	96.0
72.5°	84.6	86.3	89.0	89.4	89.0	89.0	88.1	87.7	87.7	86.3	86.3
75°	76.2	78.4	80.6	80.6	80.6	79.7	78.8	78.8	78.0	77.5	76.6
77.5°	69.2	71.8	73.6	73.1	72.7	71.8	71.8	70.5	69.2	69.2	68.3
80°	63.9	65.6	67.0	66.5	66.1	64.8	64.3	63.0	62.1	60.8	60.8
82.5°	58.1	60.3	61.2	60.8	59.9	58.6	58.1	57.3	56.4	55.9	55.1
85°	53.3	55.5	55.9	55.1	54.2	53.3	52.9	52.4	52.0	51.1	51.1
87.5°	48.5	50.7	50.7	50.2	49.3	48.9	48.5	48.0	47.6	47.1	46.7
90°	44.5	46.3	46.3	45.8	45.4	44.9	44.5	44.0	43.6	43.2	43.2
92.5°	40.5	42.3	42.3	41.8	41.4	41.0	41.0	40.5	40.1	39.6	39.2
95°	37.0	38.8	38.8	38.8	38.3	37.9	37.9	37.4	37.0	37.0	36.6
97.5°	33.5	35.2	35.2	35.2	34.8	34.4	34.4	33.9	33.9	33.9	33.5
100°	30.4	31.7	32.2	32.2	31.7	31.7	31.7	31.3	31.3	31.3	30.8
102.5°	27.3	28.6	29.5	29.5	29.5	29.1	29.1	29.1	29.1	29.1	28.6
105°	24.7	26.0	26.9	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
107.5°	22.5	23.8	24.7	25.1	25.5	25.5	26.0	26.0	26.0	26.0	26.0
110°	20.3	21.6	22.9	23.3	23.8	24.2	24.2	24.7	24.2	24.2	24.2

TEST NUMBER: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	18.1	19.8	20.7	21.6	22.0	22.5	22.9	22.9	22.9	22.9	22.9
115°	16.3	18.1	18.9	19.8	20.7	21.1	21.1	21.6	21.6	21.6	21.1
117.5°	14.5	16.3	17.2	18.1	18.5	19.4	19.8	19.8	19.8	19.8	19.4
120°	13.2	14.5	15.4	16.3	17.2	17.6	18.1	18.1	18.1	18.1	18.1
122.5°	11.5	12.8	14.1	15.0	15.4	15.9	16.3	16.3	16.3	16.3	16.3
125°	10.1	11.5	12.3	13.2	13.7	14.5	14.5	14.5	14.5	14.5	14.5
127.5°	8.8	10.1	11.0	11.9	12.3	12.8	13.2	13.2	13.2	13.2	13.2
130°	7.5	8.8	9.7	10.6	11.0	11.5	11.5	11.9	11.9	11.9	11.9
132.5°	6.6	7.5	8.4	9.3	9.7	10.1	10.1	10.6	10.6	10.6	10.6
135°	5.3	6.6	7.0	7.9	8.4	8.8	8.8	9.3	9.3	9.3	9.3
137.5°	4.4	5.3	6.2	7.0	7.5	7.5	7.9	7.9	8.4	8.4	8.4
140°	3.5	4.0	5.3	5.7	6.2	6.6	7.0	7.0	7.0	7.0	7.0
142.5°	2.6	3.5	4.0	4.8	5.3	5.7	6.2	6.2	6.2	6.2	6.2
145°	2.2	2.6	3.1	4.0	4.4	4.8	5.3	5.3	5.3	5.3	5.3
147.5°	1.8	2.2	2.6	3.1	3.5	4.0	4.4	4.4	4.4	4.4	4.4
150°	1.3	1.8	2.2	2.2	2.6	3.1	3.5	4.0	4.0	4.0	4.0
152.5°	1.3	1.3	1.8	1.8	2.2	2.6	3.1	3.1	3.1	3.1	3.1
155°	0.9	1.3	1.3	1.3	1.8	1.8	2.2	2.6	2.6	2.6	2.6
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: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	852.8	854.6	853.7	852.4	851.9	854.1	851.9	841.8	845.7	846.2	849.3
5°	851.5	852.8	851.9	851.0	849.7	852.4	849.7	839.1	843.1	843.5	846.6
7.5°	860.3	860.7	860.7	858.5	855.0	856.3	852.8	840.9	843.1	843.1	845.3
10°	882.3	883.2	884.5	878.8	874.4	870.9	866.0	851.5	851.0	847.5	847.5
12.5°	910.9	908.7	906.5	903.9	900.4	896.0	888.9	871.7	866.0	860.3	854.6
15°	919.3	918.4	918.0	916.7	914.5	913.1	907.9	890.7	882.3	875.3	865.1
17.5°	897.3	899.0	904.8	905.2	907.9	913.1	912.3	900.4	892.9	889.8	877.5
20°	857.6	858.1	865.1	868.2	879.7	888.5	895.1	893.8	892.0	895.5	886.3
22.5°	810.1	813.1	820.6	825.5	836.5	846.6	857.2	862.9	872.2	886.7	884.9
25°	745.3	749.3	759.8	767.8	783.2	798.6	812.7	822.8	833.9	861.6	870.9
27.5°	667.8	674.0	687.6	695.5	717.1	733.0	753.2	773.1	788.5	820.2	839.1
30°	586.3	591.6	606.1	617.1	635.6	657.2	682.8	711.0	736.5	768.7	792.4
32.5°	510.1	515.8	527.7	537.4	558.1	576.2	604.4	639.2	662.9	707.4	739.1
35°	443.6	448.9	457.2	465.6	482.8	501.3	525.5	559.4	589.8	636.1	676.2
37.5°	396.9	397.8	402.6	407.5	420.2	434.3	453.3	483.2	511.4	561.2	605.2
40°	363.4	363.4	366.0	367.4	373.1	381.5	393.4	416.7	440.1	477.9	531.7
42.5°	342.7	341.8	341.8	342.3	341.8	345.8	352.8	363.8	384.5	415.8	457.7
45°	327.3	325.5	324.2	321.1	319.4	319.4	319.8	323.8	335.7	355.9	389.8
47.5°	310.1	309.7	307.5	303.9	300.9	298.7	295.1	293.8	297.3	308.8	331.7
50°	290.3	288.1	285.9	283.2	279.7	277.5	270.9	271.3	268.3	273.5	285.4
52.5°	261.2	259.4	258.6	256.4	255.0	254.2	248.9	243.6	242.3	243.2	247.6
55°	229.1	229.9	226.4	228.2	227.7	223.8	221.6	217.6	216.3	215.8	218.0
57.5°	195.6	196.5	194.3	196.0	196.0	193.8	192.5	192.5	189.4	186.8	189.9
60°	165.2	163.4	164.7	166.9	166.9	165.6	164.7	164.7	162.5	161.7	163.9
62.5°	140.5	138.8	140.1	142.3	142.7	141.8	141.0	141.0	138.3	138.3	140.1
65°	121.6	122.0	121.6	123.3	123.3	123.8	122.9	122.0	118.9	120.3	119.8
67.5°	107.9	107.5	107.5	109.2	108.8	109.7	108.8	107.5	105.3	103.5	103.1
70°	96.5	96.0	96.0	96.9	97.3	97.3	96.9	96.0	92.9	91.2	89.9
72.5°	86.3	85.9	86.3	86.8	87.2	87.7	87.2	86.3	83.7	81.5	79.3
75°	77.1	76.6	78.0	78.0	78.4	78.4	78.8	78.4	76.2	73.6	70.9
77.5°	67.8	68.3	69.6	70.0	70.9	71.4	71.8	71.8	69.6	67.4	63.9
80°	60.3	61.2	62.1	62.5	63.4	64.8	65.2	65.6	63.9	61.7	57.7
82.5°	55.1	55.5	56.4	56.8	58.1	58.6	59.0	59.9	59.0	56.8	52.4
85°	50.7	51.1	52.0	52.0	52.9	53.7	54.2	54.6	54.2	52.0	47.6
87.5°	46.7	47.1	47.6	48.0	48.5	48.9	49.3	49.8	49.3	47.1	43.2
90°	43.2	43.2	43.6	43.6	44.0	44.5	45.4	45.4	44.9	43.2	39.2
92.5°	39.2	39.6	39.6	40.1	40.5	41.0	41.4	41.4	41.0	39.2	35.7
95°	36.6	36.6	37.0	37.0	37.4	37.4	37.9	37.9	37.4	35.7	32.2
97.5°	33.5	33.5	33.5	33.5	33.9	33.9	34.4	34.4	33.9	32.2	29.1
100°	30.8	30.8	30.8	30.8	30.8	31.3	31.3	31.3	30.8	29.1	26.0
102.5°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	27.8	26.4	23.3
105°	27.3	27.3	27.3	26.9	26.9	26.9	26.4	26.4	25.1	23.8	21.1
107.5°	25.5	25.5	25.5	25.1	25.1	24.7	24.2	24.2	22.9	21.6	18.9
110°	24.2	24.2	24.2	23.8	23.3	22.9	22.5	22.0	20.7	18.9	16.7



TEST NUMBER: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	22.9	22.9	22.5	22.5	22.0	21.6	20.7	20.3	18.9	17.2	15.0
115°	21.1	21.1	21.1	20.7	20.3	19.8	19.4	18.5	17.2	15.4	13.2
117.5°	19.4	19.4	19.4	18.9	18.5	18.1	17.6	16.7	15.4	13.7	11.9
120°	17.6	17.6	17.6	17.2	16.7	16.3	15.9	15.0	13.7	12.3	10.1
122.5°	16.3	16.3	15.9	15.4	15.0	14.5	14.1	13.2	12.3	10.6	8.8
125°	14.5	14.5	14.1	14.1	13.7	13.2	12.8	11.9	10.6	9.3	7.9
127.5°	13.2	12.8	12.8	12.8	12.3	11.9	11.0	10.6	9.3	7.9	6.6
130°	11.5	11.5	11.5	11.0	11.0	10.6	9.7	8.8	7.9	7.0	5.7
132.5°	10.1	10.1	10.1	10.1	9.7	9.3	8.4	7.9	7.0	5.7	4.8
135°	9.3	9.3	8.8	8.8	8.4	7.9	7.5	6.6	5.7	4.8	4.0
137.5°	7.9	7.9	7.9	7.5	7.5	7.0	6.2	5.7	5.3	4.4	3.5
140°	7.0	7.0	6.6	6.6	6.2	6.2	5.7	4.8	4.4	3.5	3.1
142.5°	6.2	6.2	5.7	5.7	5.3	5.3	4.8	4.4	3.5	3.1	2.2
145°	5.3	5.3	4.8	4.8	4.8	4.4	4.0	3.5	3.1	2.6	2.2
147.5°	4.4	4.4	4.4	4.0	4.0	3.5	3.5	3.1	2.6	2.2	1.8
150°	4.0	4.0	3.5	3.5	3.5	3.1	2.6	2.6	2.2	1.8	1.3
152.5°	3.1	3.1	3.1	3.1	2.6	2.6	2.2	2.2	1.8	1.3	1.3
155°	2.6	2.6	2.6	2.2	2.2	2.2	1.8	1.8	1.3	1.3	0.9
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: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	847.9	847.5	851.5	851.0	845.7	853.7	859.0
5°	845.7	845.3	848.8	849.7	844.0	852.4	858.1
7.5°	844.0	843.5	847.5	848.8	843.1	850.6	856.8
10°	844.4	842.2	845.7	846.6	841.3	849.3	854.6
12.5°	847.5	842.2	843.5	843.5	838.7	845.7	851.5
15°	855.0	844.0	842.2	840.9	834.7	841.3	847.1
17.5°	863.4	848.4	842.2	837.8	830.3	836.1	842.2
20°	871.7	853.2	843.1	836.1	825.9	831.2	835.6
22.5°	875.7	857.6	844.0	833.4	820.6	823.3	828.1
25°	870.4	855.9	842.2	829.4	814.0	814.5	818.4
27.5°	851.0	847.1	838.3	825.5	808.7	806.5	809.6
30°	818.0	829.0	829.4	820.2	802.6	798.2	799.5
32.5°	771.7	796.4	810.9	809.2	793.8	787.6	788.5
35°	718.4	749.3	781.0	791.6	780.6	775.7	773.9
37.5°	654.6	696.0	738.3	764.3	762.5	759.4	757.6
40°	584.1	633.9	684.1	725.5	738.3	738.3	739.1
42.5°	508.8	566.9	622.0	674.4	704.3	711.0	713.6
45°	436.1	494.7	554.6	614.9	655.0	675.7	683.2
47.5°	370.0	429.0	485.9	551.9	605.2	632.1	644.0
50°	313.6	357.7	417.6	483.2	541.4	574.4	597.7
52.5°	266.9	301.3	353.7	414.9	473.5	518.9	540.5
55°	227.7	251.1	295.6	348.4	404.4	451.5	476.6
57.5°	194.7	213.2	243.6	287.6	334.8	381.5	408.3
60°	165.6	178.4	199.1	233.9	274.0	314.1	340.1
62.5°	140.5	148.9	162.5	188.1	219.4	250.6	274.9
65°	121.1	124.7	132.1	148.0	171.8	195.6	216.3
67.5°	102.2	104.4	110.1	119.8	131.7	148.9	162.5
70°	88.1	88.1	88.5	94.3	100.4	111.4	121.1
72.5°	76.6	75.3	72.7	74.0	75.3	81.5	87.7
75°	67.4	64.3	59.9	58.1	57.3	58.1	61.7
77.5°	59.5	55.1	49.8	45.4	41.8	40.5	43.6
80°	52.9	47.6	41.4	35.7	30.0	26.9	28.2
82.5°	47.6	41.0	34.4	27.8	21.1	16.7	16.7
85°	41.8	35.7	28.6	21.6	15.0	9.3	8.4
87.5°	37.9	31.3	23.8	17.2	10.6	4.8	2.6
90°	33.9	27.3	20.3	13.7	7.5	2.2	0.0
92.5°	30.4	24.2	17.6	11.0	5.3	1.3	0.0
95°	27.3	21.6	15.0	9.3	4.4	0.9	0.4
97.5°	24.2	18.9	13.2	7.5	3.1	0.9	0.4
100°	22.0	16.7	11.5	6.2	2.6	0.4	0.4
102.5°	19.4	15.0	9.7	5.3	2.2	0.4	0.4
105°	17.2	13.2	8.4	4.4	1.8	0.4	0.4
107.5°	15.4	11.5	7.5	4.0	1.8	0.4	0.4
110°	13.7	10.1	6.6	3.5	1.3	0.4	0.4



TEST NUMBER: P1213326

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	12.3	8.8	5.7	3.1	0.9	0.4	0.4
115°	10.6	7.9	4.8	2.6	0.9	0.4	0.4
117.5°	9.3	6.6	4.4	2.2	0.9	0.4	0.4
120°	7.9	5.7	3.5	1.8	0.4	0.4	0.4
122.5°	7.0	4.8	3.1	1.8	0.4	0.4	0.4
125°	6.2	4.4	2.6	1.3	0.4	0.4	0.4
127.5°	5.3	3.5	2.2	0.9	0.4	0.4	0.4
130°	4.4	3.1	1.8	0.9	0.4	0.4	0.4
132.5°	3.5	2.6	1.8	0.9	0.4	0.4	0.4
135°	3.1	2.2	1.3	0.9	0.4	0.4	0.4
137.5°	2.6	1.8	0.9	0.9	0.9	0.4	0.4
140°	2.2	1.3	0.9	0.9	0.9	0.9	0.4
142.5°	1.8	1.3	0.9	0.9	0.9	0.9	0.4
145°	1.3	0.9	0.9	0.9	0.9	0.9	0.4
147.5°	1.3	0.9	0.9	0.9	0.9	0.9	0.4
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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)