

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: P1213030

Luminaire Tested: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

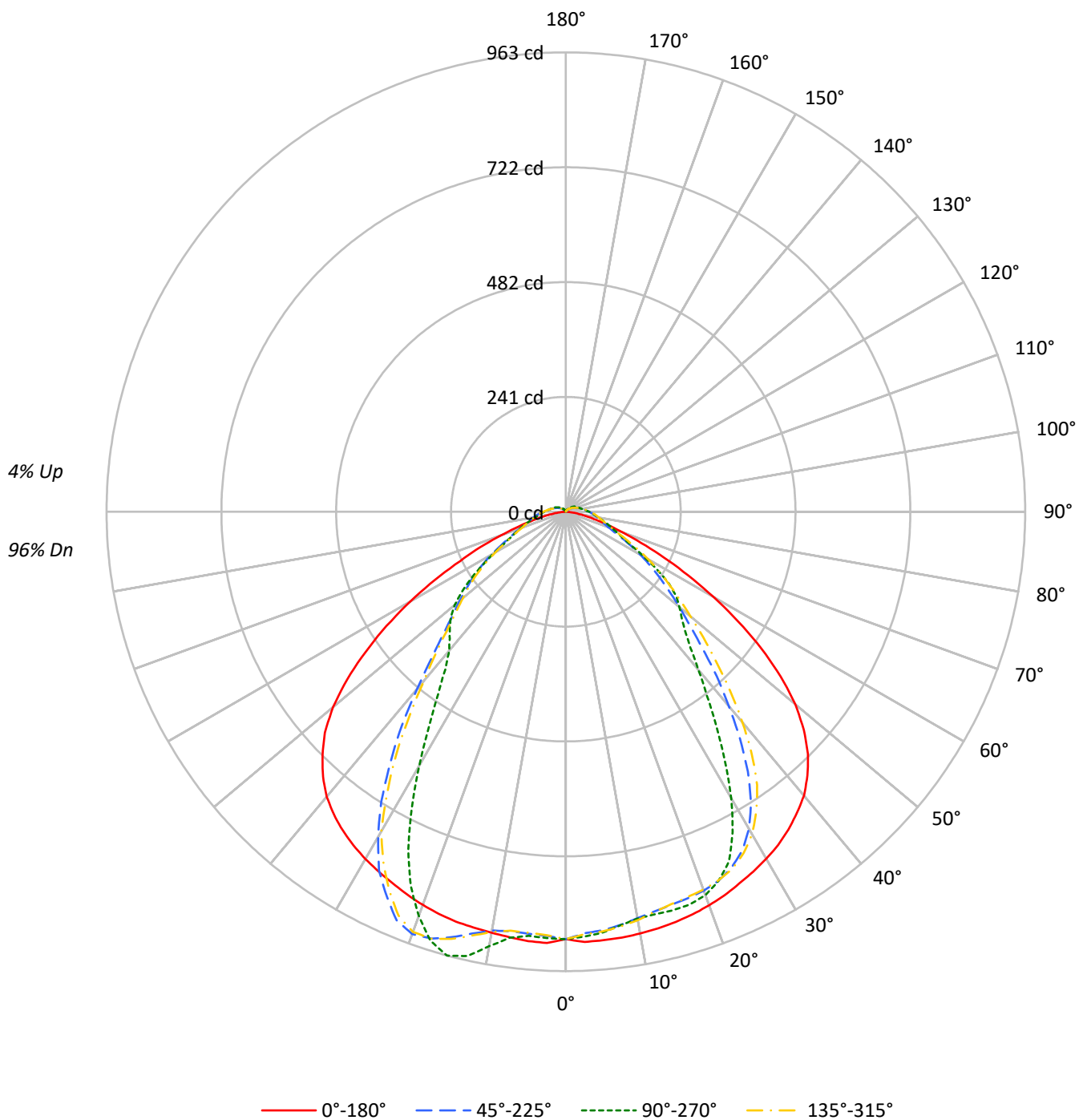
Lumens per Lamp: N/A
Luminaire Lumens: 2136.0 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7241	7241	7241	7241
5°	7294	6954	7308	7008
10°	7327	6664	7312	7117
15°	7384	6575	7380	7321
20°	7465	6471	7457	6821
25°	7557	6139	7553	5932
30°	7699	5321	7704	4713
35°	7851	4302	7873	3640
40°	7983	3464	8016	3052
45°	7955	2934	7996	2858
50°	7612	2701	7718	2641
55°	6754	2428	6923	2208
60°	5478	1859	5769	1704
65°	4072	1422	4387	1349
70°	2770	1227	3122	1174
75°	1812	1108	2108	1047
80°	1170	1032	1372	950
85°	601	1030	792	941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 7996 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	4.0
10°-20°	253.2	11.9
20°-30°	385.0	18.0
30°-40°	413.0	19.3
40°-50°	358.4	16.8
50°-60°	265.6	12.4
60°-70°	152.2	7.1
70°-80°	84.3	3.9
80°-90°	51.3	2.4
90°-100°	33.4	1.6
100°-110°	22.4	1.0
110°-120°	15.1	0.7
120°-130°	9.3	0.4
130°-140°	4.9	0.2
140°-150°	2.2	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	723.3	33.9
0°-40°	1136.3	53.2
0°-60°	1760.4	82.4
0°-90°	2048.2	95.9
90°-120°	70.8	3.3
90°-150°	87.2	4.1
90°-180°	88.0	4.1
0°-180°	2136.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	896	896	896	896	896	
5°	902	885	903	892	902	86
15°	890	865	890	963	890	252
25°	860	809	859	782	860	397
35°	813	551	816	466	813	509
45°	718	353	722	344	718	550
55°	501	265	513	241	501	444
65°	227	134	245	127	227	229
75°	65	85	75	80	65	74
85°	9	59	12	54	9	12
90°	0	49	1	45	0	0
95°	0	40	0	38	0	0
105°	0	30	0	29	0	1
115°	0	24	0	22	0	0
125°	0	18	0	15	0	0
135°	0	12	0	10	0	0
145°	0	7	1	6	0	0
155°	1	3	1	3	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	902.5	900.2	899.2	897.4	898.8	904.3	900.6	894.6	895.1	884.4	890.0
5°	901.6	898.8	897.4	895.5	896.5	901.6	897.8	891.8	891.4	880.7	885.8
7.5°	900.2	897.4	895.1	893.7	894.1	898.3	893.7	886.7	885.4	873.8	878.4
10°	897.8	896.0	892.8	890.4	890.0	894.6	887.2	880.3	877.0	865.0	869.6
12.5°	894.6	891.8	888.6	884.4	884.0	886.7	880.7	871.0	867.8	858.0	863.1
15°	890.0	886.7	883.0	878.4	876.1	877.9	870.5	861.7	861.3	853.0	859.9
17.5°	884.9	880.3	876.1	869.6	866.4	867.8	861.7	853.9	854.8	849.7	857.6
20°	877.9	872.9	866.4	859.9	855.3	857.6	853.4	847.4	848.8	845.1	852.0
22.5°	870.1	863.1	855.3	847.9	844.2	847.4	844.2	839.1	839.5	837.2	841.4
25°	859.9	852.0	842.8	833.5	831.7	834.0	832.1	828.0	826.1	822.4	824.3
27.5°	850.6	841.8	830.3	820.6	817.3	821.9	817.8	810.8	805.8	800.7	797.0
30°	840.0	829.4	816.4	805.3	802.5	804.4	798.3	787.7	774.3	767.8	757.6
32.5°	828.4	814.5	798.3	785.8	784.0	782.6	771.5	756.2	735.4	722.4	706.7
35°	813.2	797.9	778.4	763.2	760.4	752.5	734.5	714.1	687.3	665.1	638.2
37.5°	796.0	778.0	757.6	737.3	729.4	713.7	688.2	666.9	626.2	599.3	566.9
40°	776.6	754.8	729.8	705.3	692.4	666.9	637.8	606.3	566.9	530.8	503.5
42.5°	749.8	726.6	697.0	669.7	647.5	613.7	579.4	535.0	498.9	468.4	440.6
45°	717.8	690.0	655.8	622.9	594.7	554.4	514.2	469.8	439.7	404.0	385.1
47.5°	676.6	646.5	610.0	573.4	536.4	492.0	449.9	407.3	377.2	351.7	337.9
50°	628.0	600.3	560.0	516.5	475.8	429.5	387.4	355.4	326.3	310.5	299.9
52.5°	567.9	541.9	500.8	453.6	414.2	368.9	330.4	304.5	283.7	272.1	268.4
55°	500.8	478.1	437.4	393.4	353.1	311.5	282.3	259.6	246.2	239.3	239.7
57.5°	429.0	411.4	373.0	333.7	295.7	264.3	237.9	219.8	209.7	209.2	210.6
60°	357.3	344.3	311.0	277.2	243.9	218.4	199.0	186.5	180.0	180.5	180.0
62.5°	288.8	276.8	252.7	224.9	198.5	181.4	163.8	158.7	153.2	152.7	152.7
65°	227.2	218.0	198.5	178.6	158.7	147.6	138.8	132.8	128.7	127.7	128.2
67.5°	170.8	167.1	153.7	140.2	127.7	120.8	113.4	112.0	108.8	108.8	109.7
70°	127.3	124.5	117.1	109.2	104.1	99.5	95.8	95.8	95.3	94.9	97.2
72.5°	92.1	92.6	90.2	84.2	83.8	82.8	81.9	83.3	83.8	85.2	87.9
75°	64.8	66.2	66.2	65.3	67.1	69.4	70.8	73.1	75.9	77.8	81.0
77.5°	45.8	45.8	48.1	50.9	54.6	58.8	62.5	65.7	69.4	71.7	74.5
80°	29.6	31.0	34.7	39.8	44.9	50.4	55.5	59.7	63.4	67.1	69.0
82.5°	17.6	19.9	24.5	31.0	37.5	44.4	49.5	54.6	58.8	62.5	63.9
85°	8.8	12.0	17.6	24.5	31.5	38.9	45.4	50.0	54.6	57.9	59.7
87.5°	2.8	6.5	12.5	19.0	26.4	33.8	40.7	45.8	50.0	52.8	54.6
90°	0.0	3.2	8.8	15.7	22.7	30.1	36.6	42.1	46.3	48.6	50.0
92.5°	0.0	1.9	6.9	13.0	19.4	26.8	33.3	38.4	42.1	44.4	45.4
95°	0.5	1.4	5.1	10.6	17.1	24.1	30.1	34.7	38.4	40.7	41.2
97.5°	0.5	0.9	4.2	8.8	14.8	21.3	27.3	31.9	34.7	37.0	37.5
100°	0.5	0.9	3.2	7.9	13.0	19.0	24.5	28.7	31.9	33.8	34.2
102.5°	0.5	0.5	2.8	6.5	11.6	16.7	21.8	25.9	28.7	30.5	31.5
105°	0.5	0.5	2.3	5.6	10.2	14.8	19.4	23.6	25.9	27.8	28.7
107.5°	0.5	0.5	1.9	4.6	8.8	13.0	17.6	20.8	23.6	25.5	26.4
110°	0.5	0.5	1.4	4.2	7.4	11.6	15.3	18.5	21.3	23.1	24.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	0.5	1.4	3.7	6.5	10.2	13.4	16.7	19.0	20.8	22.2
115°	0.5	0.5	1.4	3.2	6.0	8.8	12.0	14.8	17.1	19.0	20.4
117.5°	0.5	0.5	1.4	2.8	5.1	7.9	10.6	13.4	15.3	17.1	18.5
120°	0.5	0.5	0.9	2.3	4.6	6.9	9.3	11.6	13.9	15.7	17.1
122.5°	0.5	0.5	0.9	2.3	3.7	6.0	8.3	10.2	12.5	13.9	15.3
125°	0.5	0.5	0.9	1.9	3.2	5.6	7.4	9.3	10.6	12.5	13.9
127.5°	0.5	0.5	0.9	1.9	2.8	4.6	6.5	8.3	9.7	11.1	12.0
130°	0.5	0.5	0.9	1.4	2.3	3.7	5.6	6.9	8.8	9.7	10.6
132.5°	0.5	0.5	0.5	1.4	1.9	2.8	4.2	6.0	7.4	8.8	9.3
135°	0.5	0.5	0.5	0.9	1.9	2.3	3.2	4.6	6.0	7.4	8.3
137.5°	0.5	0.5	0.5	0.9	1.4	2.3	2.8	3.7	5.1	6.0	7.4
140°	0.5	0.5	0.5	0.9	1.4	1.9	2.3	3.2	4.2	5.1	6.0
142.5°	0.5	0.5	0.5	0.9	0.9	1.4	1.9	2.8	3.2	4.2	5.1
145°	0.5	0.5	0.5	0.9	0.9	1.4	1.9	2.3	2.8	3.2	4.2
147.5°	0.5	0.5	0.5	0.9	0.9	0.9	1.4	1.9	2.3	2.8	3.2
150°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.9	2.3	2.8
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.9	2.3
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.9	1.9
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

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	888.1	889.1	894.6	894.1	893.2	892.3	892.3	891.4	892.3	894.6	893.7
5°	883.5	884.9	889.1	888.6	887.7	887.2	886.7	885.4	886.3	889.5	888.6
7.5°	875.2	876.6	880.3	878.4	877.0	877.9	875.6	874.2	876.1	879.3	878.9
10°	866.4	867.3	871.9	871.0	868.7	869.2	866.8	865.9	868.2	870.1	870.5
12.5°	860.4	863.6	867.8	867.3	866.8	867.3	865.0	864.1	865.5	867.3	866.8
15°	859.0	863.1	867.8	867.8	868.2	868.7	866.4	865.0	866.4	867.8	867.3
17.5°	857.6	862.7	866.8	866.4	866.8	867.8	864.1	863.1	865.0	866.8	865.9
20°	853.0	857.6	860.4	859.4	859.4	859.9	855.3	855.3	858.0	859.4	859.9
22.5°	840.0	845.6	845.6	843.2	843.2	841.4	840.0	837.2	840.5	842.8	844.6
25°	820.6	822.9	820.1	815.0	812.2	809.9	803.4	809.0	809.0	815.9	818.2
27.5°	793.3	788.2	780.3	769.7	767.3	759.9	755.8	757.2	759.5	769.2	776.6
30°	748.4	733.1	719.7	715.0	704.9	697.5	690.0	693.8	697.9	703.5	718.7
32.5°	689.1	674.3	652.6	644.7	634.0	624.8	616.0	621.6	629.0	632.7	649.3
35°	621.1	603.5	583.6	570.2	559.1	554.0	542.9	550.7	558.6	561.4	575.7
37.5°	548.9	530.8	513.3	501.7	491.0	487.8	480.4	485.9	492.0	496.1	508.2
40°	480.4	463.7	450.3	442.4	435.0	432.3	429.5	431.8	436.4	439.7	448.9
42.5°	421.6	408.2	398.9	394.3	389.2	385.5	386.0	386.9	389.2	396.2	400.3
45°	370.2	362.4	356.4	355.4	352.2	351.7	351.3	353.1	354.5	358.7	361.9
47.5°	329.1	325.8	324.4	326.3	327.7	325.8	326.7	329.1	331.8	331.8	331.4
50°	296.7	297.6	299.4	303.6	306.4	307.3	308.2	311.0	311.5	312.4	311.0
52.5°	270.3	271.2	276.3	282.8	286.0	287.4	289.3	292.0	292.0	293.0	291.1
55°	243.4	244.8	249.9	256.4	259.2	261.0	262.9	264.7	266.1	268.0	266.6
57.5°	213.8	218.0	221.2	223.1	224.9	226.3	227.7	228.2	230.9	231.4	233.7
60°	182.3	183.3	186.5	186.0	184.7	188.4	186.5	189.8	193.0	197.2	197.6
62.5°	152.3	152.7	155.0	154.1	156.0	155.5	156.9	156.9	159.2	161.1	163.4
65°	128.7	129.1	131.0	131.0	130.5	131.9	133.3	134.2	134.2	135.6	137.5
67.5°	111.1	112.5	114.3	115.2	116.2	116.2	117.6	118.0	118.9	119.4	120.3
70°	99.0	100.9	102.7	103.7	104.1	105.1	105.5	105.5	106.4	106.9	107.8
72.5°	90.2	92.1	93.5	93.5	94.4	94.9	94.9	95.3	95.8	96.7	97.7
75°	82.8	84.2	85.2	84.7	84.7	84.7	85.2	85.2	86.1	87.0	87.9
77.5°	75.9	77.3	77.3	76.4	76.4	76.4	76.4	76.8	77.3	78.2	79.1
80°	70.8	70.8	70.3	70.3	69.4	69.0	69.0	69.4	69.4	70.3	71.7
82.5°	65.3	65.3	64.8	64.3	63.9	63.4	63.4	63.9	64.3	64.8	65.7
85°	60.2	60.2	59.2	59.2	58.8	58.8	58.8	58.8	59.2	59.7	60.6
87.5°	55.1	54.6	54.1	53.7	53.7	53.7	53.7	53.7	54.1	55.1	55.5
90°	50.0	49.5	49.1	49.1	48.6	48.6	49.1	49.1	49.5	50.0	50.4
92.5°	45.4	44.9	44.4	44.4	44.0	44.0	44.4	44.0	44.9	44.9	45.4
95°	41.2	40.7	40.3	40.3	40.3	40.3	40.3	40.3	40.7	40.7	41.2
97.5°	37.5	37.0	36.6	36.6	37.0	36.6	37.0	37.0	37.0	37.5	38.0
100°	34.2	33.8	33.8	34.2	33.8	33.8	34.2	34.2	34.2	34.2	34.7
102.5°	31.5	31.5	31.5	31.5	31.5	31.5	31.9	31.9	31.9	31.9	32.4
105°	28.7	29.2	29.2	29.2	29.6	29.6	29.6	30.1	30.1	30.1	30.1
107.5°	26.8	27.3	27.3	27.8	27.8	28.2	28.2	28.2	28.2	28.7	28.7
110°	25.0	25.5	25.9	26.4	26.4	26.8	26.8	26.8	26.8	26.8	26.8

TEST NUMBER: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	23.1	23.6	24.1	25.0	25.5	25.5	25.5	25.5	25.9	25.9	25.5
115°	21.3	22.2	22.7	23.6	24.1	24.1	24.5	24.5	24.5	24.5	24.1
117.5°	19.4	20.8	21.3	22.2	22.7	22.7	23.1	23.1	23.1	23.1	22.7
120°	18.0	19.0	19.9	20.4	20.8	21.3	21.3	21.8	21.8	21.8	21.3
122.5°	16.7	17.6	18.5	19.0	19.4	19.9	19.9	19.9	19.9	19.9	19.9
125°	14.8	15.7	16.7	17.1	17.6	18.0	18.0	18.5	18.5	18.5	18.0
127.5°	13.4	14.3	14.8	15.7	16.2	16.2	16.7	16.7	16.7	16.7	16.2
130°	11.6	12.5	13.4	13.9	14.3	14.3	14.8	14.8	14.8	14.8	14.8
132.5°	10.2	11.1	11.6	12.5	12.5	13.0	13.0	13.4	13.4	13.4	13.0
135°	9.3	9.7	10.2	11.1	11.1	11.6	11.6	11.6	11.6	11.6	11.6
137.5°	8.3	8.8	9.3	9.7	9.7	10.2	10.2	10.2	10.2	10.6	10.2
140°	6.9	7.9	8.3	8.3	8.8	8.8	8.8	9.3	9.3	9.3	8.8
142.5°	6.0	6.5	6.9	7.4	7.9	7.9	7.9	7.9	8.3	7.9	7.9
145°	4.6	5.6	6.0	6.5	6.9	6.9	6.9	6.9	6.9	6.9	6.9
147.5°	3.7	4.2	5.1	5.6	5.6	6.0	6.0	6.0	6.0	6.0	6.0
150°	3.2	3.2	4.2	4.6	5.1	5.1	5.1	5.1	5.1	5.1	5.1
152.5°	2.3	2.8	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2
155°	2.3	2.3	2.8	2.8	3.2	3.2	3.2	3.2	3.7	3.2	3.2
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: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	892.3	891.8	893.7	891.8	882.6	886.3	884.9	890.0	890.4	891.8	896.5
5°	887.7	887.7	890.0	888.1	879.3	883.0	882.6	887.7	888.6	889.5	894.6
7.5°	878.4	878.9	882.1	880.7	871.5	877.0	876.6	882.6	884.4	886.3	890.9
10°	869.6	869.2	872.9	871.5	862.7	869.2	868.7	874.7	877.5	880.7	886.3
12.5°	865.0	863.6	865.0	863.6	853.9	859.0	859.4	866.4	869.6	873.8	880.3
15°	865.0	862.7	862.7	859.9	848.8	852.0	852.5	857.1	861.3	865.5	873.3
17.5°	864.1	861.7	861.3	859.0	846.9	846.9	846.5	849.7	852.0	856.2	864.5
20°	859.0	858.0	857.6	856.2	845.1	843.2	842.3	842.3	843.7	845.1	853.4
22.5°	845.6	846.5	847.4	848.3	839.5	836.3	836.8	835.8	834.4	834.4	841.4
25°	820.6	825.2	828.9	833.1	828.0	825.7	828.4	827.0	824.7	822.9	828.9
27.5°	780.8	790.5	798.3	808.5	809.0	807.1	814.5	813.6	813.2	810.4	815.0
30°	725.7	741.0	751.6	766.4	778.9	780.8	793.3	795.1	797.0	795.6	800.2
32.5°	659.0	679.9	697.9	721.1	733.1	743.7	761.3	768.7	776.1	778.4	783.5
35°	586.4	610.0	631.3	656.7	675.7	698.8	720.1	731.2	747.9	754.4	761.8
37.5°	517.4	539.6	560.5	585.9	616.5	640.5	666.9	691.9	714.6	723.8	734.9
40°	456.3	474.4	494.3	516.5	544.3	575.7	604.4	639.1	666.0	684.5	700.7
42.5°	410.0	418.8	436.0	455.9	478.1	510.0	539.2	578.0	610.4	636.8	663.7
45°	368.9	373.0	385.5	396.2	418.8	447.1	478.1	516.0	549.8	583.6	616.0
47.5°	333.7	338.8	344.8	351.3	367.5	391.1	417.9	452.2	485.9	525.3	562.3
50°	310.1	311.5	312.4	315.2	324.9	341.1	362.8	392.0	424.4	466.5	505.9
52.5°	289.3	289.3	286.5	285.1	288.8	299.0	311.5	332.3	365.6	404.5	446.1
55°	267.0	262.9	261.9	257.3	258.2	262.9	268.9	285.1	312.4	345.7	386.0
57.5°	236.0	234.2	234.2	232.3	228.6	230.9	232.3	243.9	263.3	292.0	327.2
60°	200.4	199.5	201.8	202.2	199.0	200.4	199.9	206.9	220.8	243.9	273.1
62.5°	164.8	168.9	169.4	171.2	169.4	168.9	171.2	177.3	184.2	201.8	224.5
65°	138.4	140.7	141.2	143.5	142.5	142.5	144.4	149.0	153.2	165.2	182.8
67.5°	121.3	120.3	120.8	122.2	120.8	120.3	121.7	124.5	127.7	135.1	147.6
70°	107.8	106.9	106.9	106.9	105.1	103.7	104.1	105.1	106.4	110.6	118.5
72.5°	97.7	97.7	96.3	94.9	93.5	92.6	91.6	90.7	90.2	91.6	95.8
75°	88.4	88.9	88.4	87.0	85.2	83.3	81.5	79.6	77.3	76.4	76.8
77.5°	80.1	80.5	81.0	80.5	78.7	76.4	73.6	70.8	67.6	64.3	62.5
80°	72.7	73.6	74.0	73.6	72.2	70.3	67.1	63.9	59.2	55.1	50.4
82.5°	66.2	67.6	68.0	68.0	67.1	65.3	61.6	57.9	52.8	47.2	41.2
85°	61.1	62.0	62.9	62.9	62.5	60.6	56.9	52.8	47.7	41.2	34.7
87.5°	56.0	56.5	57.4	58.3	57.4	55.5	52.3	47.7	42.6	36.1	28.7
90°	50.9	51.4	52.3	53.2	52.8	50.9	48.1	44.0	38.4	31.5	24.1
92.5°	45.8	46.7	47.2	47.7	48.1	46.7	44.4	40.3	34.7	27.8	20.8
95°	42.1	42.1	43.0	43.5	44.0	42.6	40.7	36.6	31.5	25.0	18.0
97.5°	38.4	38.4	39.3	39.3	39.8	38.9	37.0	33.3	28.2	22.2	15.3
100°	34.7	35.2	35.6	36.1	36.1	35.6	33.8	30.1	25.5	19.9	13.4
102.5°	32.4	32.4	32.9	32.9	33.3	32.4	30.5	27.3	22.7	17.6	11.6
105°	30.1	30.1	30.5	30.5	30.1	29.2	27.3	24.5	20.4	15.3	10.2
107.5°	28.2	28.2	28.2	28.2	27.8	26.8	25.0	21.8	18.0	13.9	9.3
110°	26.8	26.4	26.4	25.9	25.5	24.1	22.2	19.4	16.2	12.0	7.9

TEST NUMBER: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	25.5	25.0	24.5	24.1	23.1	21.8	19.9	17.6	14.3	10.6	6.9
115°	24.1	23.6	23.1	22.2	21.3	19.9	18.0	15.7	12.5	9.3	6.0
117.5°	22.7	22.2	21.3	20.4	19.4	18.0	16.2	13.9	11.1	8.3	5.6
120°	20.8	20.4	19.9	19.0	18.0	16.2	14.3	12.5	9.7	7.4	4.6
122.5°	19.4	19.0	18.0	17.6	16.2	14.8	13.0	11.1	8.8	6.5	4.2
125°	17.6	17.1	16.7	15.7	14.8	13.0	11.6	9.7	7.9	5.6	3.2
127.5°	16.2	15.7	14.8	13.9	13.0	11.6	10.2	8.8	6.9	4.6	3.2
130°	14.3	13.9	13.4	12.5	11.6	10.2	9.3	7.4	6.0	4.2	2.8
132.5°	12.5	12.5	12.0	11.1	10.2	9.3	7.9	6.5	5.1	3.7	2.3
135°	11.6	11.1	10.6	9.7	9.3	7.9	6.9	5.6	4.2	3.2	1.9
137.5°	10.2	9.7	9.3	8.8	7.9	6.9	6.0	4.6	3.7	2.8	1.9
140°	8.8	8.3	8.3	7.4	6.9	6.0	5.1	4.2	3.2	2.3	1.4
142.5°	7.9	7.4	6.9	6.5	6.0	5.1	4.2	3.2	2.8	1.9	1.4
145°	6.9	6.5	6.0	5.6	5.1	4.2	3.7	2.8	2.3	1.9	1.4
147.5°	5.6	5.6	5.1	4.6	4.2	3.7	3.2	2.8	1.9	1.4	0.9
150°	4.6	4.6	4.2	3.7	3.7	3.2	2.8	2.3	1.9	1.4	0.9
152.5°	4.2	3.7	3.7	3.2	3.2	2.8	2.3	1.9	1.4	1.4	0.9
155°	3.2	3.2	3.2	2.8	2.8	2.3	1.9	1.9	1.4	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: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	897.4	891.8	896.5	904.8	903.9	902.9	902.0	903.9	909.9	906.6	901.6
5°	896.0	890.4	895.5	903.4	902.9	901.6	900.6	902.5	908.5	905.3	899.7
7.5°	893.2	888.1	891.8	899.7	899.7	898.8	897.8	899.7	905.3	902.5	896.9
10°	888.6	884.9	888.6	896.0	896.5	894.6	893.7	896.0	901.6	900.2	895.5
12.5°	884.9	881.2	885.4	892.8	893.2	891.4	890.0	892.8	900.2	901.1	899.7
15°	879.8	876.6	881.7	889.5	889.5	888.1	888.1	891.8	902.0	906.2	908.5
17.5°	872.4	870.1	876.1	884.0	884.4	883.5	884.0	891.4	904.8	915.0	921.5
20°	863.1	862.2	868.7	877.0	878.4	878.9	881.2	892.3	910.8	924.7	931.2
22.5°	852.0	852.5	859.9	868.7	870.5	871.9	876.6	892.3	915.4	930.2	933.0
25°	839.5	840.9	848.8	859.4	861.7	864.5	872.4	892.8	916.8	926.5	921.9
27.5°	826.1	828.9	839.1	850.2	853.0	857.6	867.8	890.0	910.3	910.8	893.7
30°	812.2	815.5	827.5	840.5	845.1	849.7	862.2	883.5	894.6	879.8	849.7
32.5°	796.5	801.1	813.2	828.9	834.4	840.5	853.0	871.0	866.8	834.9	791.9
35°	776.6	783.1	797.0	815.5	820.6	828.4	837.2	841.4	822.9	777.5	728.9
37.5°	752.1	761.8	778.0	799.3	804.8	809.9	812.2	800.7	763.6	714.6	664.1
40°	723.8	738.6	756.2	779.8	785.4	785.4	777.1	752.5	705.8	641.5	585.5
42.5°	689.6	707.6	729.8	753.5	759.0	752.5	732.6	689.6	636.4	564.6	505.4
45°	647.9	672.0	697.0	721.5	724.3	709.9	674.3	619.7	554.0	487.3	430.9
47.5°	598.4	629.9	657.2	685.0	681.3	657.2	609.5	547.5	478.1	415.1	369.8
50°	542.9	579.9	610.4	636.8	629.0	595.6	539.6	474.8	405.9	352.2	314.7
52.5°	483.6	526.2	556.8	578.0	567.4	527.6	466.0	404.0	347.6	298.5	273.5
55°	422.1	465.1	496.6	513.3	499.4	456.3	395.7	339.2	286.0	254.1	239.3
57.5°	362.4	402.6	432.3	445.7	428.1	385.1	329.1	281.4	243.0	216.1	208.7
60°	305.0	337.9	366.1	376.3	357.3	317.5	269.4	231.4	203.2	184.7	181.0
62.5°	251.8	278.6	300.8	308.7	290.2	259.2	217.5	189.3	169.4	160.1	155.5
65°	207.8	223.5	246.2	244.8	233.7	205.0	174.5	154.6	141.6	135.6	132.8
67.5°	163.4	177.7	192.1	193.9	180.0	160.1	140.2	125.9	118.9	115.7	114.3
70°	126.3	137.0	145.8	143.5	136.1	123.6	111.1	103.2	100.4	99.0	99.0
72.5°	98.1	103.7	107.8	105.1	100.4	94.0	87.9	84.7	85.2	86.1	87.0
75°	75.9	77.3	78.2	75.4	74.5	70.3	69.9	70.3	73.1	75.9	77.3
77.5°	58.3	56.5	55.1	52.3	52.8	52.3	54.6	58.3	62.5	66.6	70.3
80°	44.9	40.7	37.5	34.7	36.1	38.4	43.0	48.6	54.1	58.8	63.4
82.5°	34.7	28.7	24.1	21.3	24.1	27.8	33.8	40.7	47.2	52.3	57.4
85°	26.8	19.9	14.3	11.6	14.3	19.9	26.4	34.2	41.2	46.7	51.8
87.5°	20.8	14.3	7.9	4.6	7.9	13.9	21.3	28.7	35.6	42.1	47.2
90°	16.7	9.7	3.7	0.9	4.2	9.7	16.7	24.1	31.0	38.0	43.0
92.5°	13.4	6.9	1.9	0.0	2.3	7.4	13.9	20.8	27.8	34.2	39.3
95°	11.1	5.6	1.4	0.0	1.9	5.6	11.1	18.0	24.5	31.0	35.2
97.5°	9.3	4.2	0.9	0.0	0.9	4.6	9.3	15.3	21.8	27.8	31.9
100°	7.9	3.7	0.9	0.0	0.9	3.7	7.9	13.4	19.0	24.5	28.7
102.5°	6.5	2.8	0.5	0.5	0.5	2.8	6.9	11.6	16.7	21.8	25.9
105°	6.0	2.3	0.5	0.5	0.5	2.3	6.0	10.2	14.8	19.4	23.1
107.5°	5.1	1.9	0.5	0.5	0.5	1.9	5.1	8.8	13.4	17.6	20.8
110°	4.2	1.9	0.5	0.5	0.5	1.9	4.2	7.9	11.6	15.3	18.5

TEST NUMBER: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	3.7	1.4	0.5	0.5	0.5	1.4	3.7	6.9	10.2	13.9	16.7
115°	3.2	1.4	0.5	0.5	0.5	1.4	3.2	6.0	8.8	12.0	14.8
117.5°	2.8	1.4	0.5	0.5	0.5	0.9	2.8	5.1	7.9	10.6	13.4
120°	2.3	0.9	0.5	0.5	0.5	0.9	2.3	4.6	6.9	9.3	11.6
122.5°	2.3	0.9	0.5	0.5	0.5	0.9	1.9	3.7	6.0	7.9	10.2
125°	1.9	0.9	0.5	0.5	0.5	0.5	1.9	3.2	5.1	6.9	8.8
127.5°	1.9	0.9	0.5	0.5	0.5	0.5	1.4	2.8	4.2	6.0	7.9
130°	1.4	0.9	0.5	0.5	0.5	0.5	0.9	2.3	3.7	5.1	6.5
132.5°	1.4	0.9	0.5	0.5	0.5	0.5	0.9	1.9	2.8	4.2	5.6
135°	1.4	0.5	0.5	0.5	0.5	0.5	0.5	1.4	2.3	3.2	4.2
137.5°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.9	2.3	3.7
140°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4	1.9	2.8
142.5°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4	2.3
145°	0.9	0.5	0.5	0.9	0.9	0.5	0.5	0.9	0.9	1.4	1.9
147.5°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	1.4
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
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: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	900.6	890.0	895.5	893.7	895.5	900.2	899.7	898.3	899.2	896.9	894.6
5°	898.8	888.1	893.7	891.4	893.7	898.3	897.4	896.0	897.4	894.6	892.3
7.5°	896.5	886.7	893.2	892.8	896.9	902.9	903.4	903.4	906.6	902.5	900.6
10°	896.5	891.4	900.2	903.4	914.0	921.9	922.8	924.7	930.2	929.3	924.7
12.5°	906.2	905.3	918.2	926.1	935.8	946.9	952.9	954.8	958.5	955.7	953.8
15°	918.7	923.3	937.7	946.4	957.1	965.4	966.8	967.7	970.5	966.3	963.1
17.5°	935.3	938.1	949.7	953.4	960.3	961.7	959.9	955.2	955.2	946.0	943.2
20°	943.2	941.8	946.4	940.4	937.7	929.3	921.5	912.7	912.2	902.5	901.6
22.5°	936.3	927.0	917.3	902.5	896.0	884.0	873.3	868.2	865.0	852.5	849.3
25°	911.7	889.1	874.7	857.1	841.4	827.5	817.3	806.7	796.5	786.3	781.7
27.5°	869.2	847.9	824.7	800.2	778.4	757.2	740.0	729.4	719.7	706.2	699.3
30°	816.9	787.2	761.8	738.2	702.5	676.6	662.3	641.0	633.6	627.6	614.6
32.5°	755.3	719.7	685.0	653.0	616.5	592.4	573.4	557.7	553.1	537.3	533.6
35°	687.3	640.5	601.2	569.7	543.3	514.2	498.4	487.8	478.5	467.9	466.0
37.5°	607.2	565.1	520.7	492.9	472.1	447.1	435.0	427.6	423.5	415.6	414.2
40°	526.7	484.6	454.0	426.2	413.3	399.9	391.1	387.8	386.0	383.2	380.4
42.5°	453.6	416.5	394.8	376.3	370.7	364.2	361.9	363.8	361.9	361.0	360.5
45°	391.5	363.3	348.0	342.5	341.1	339.2	341.1	344.3	344.8	343.9	343.9
47.5°	335.1	321.7	315.2	316.1	318.4	319.8	323.0	327.2	328.1	325.8	326.7
50°	298.0	290.2	288.8	292.5	297.6	299.4	303.1	306.4	305.9	305.0	304.1
52.5°	263.3	261.0	264.7	268.4	274.0	274.9	276.3	277.7	277.2	275.4	274.4
55°	234.2	236.0	239.3	240.7	244.8	244.4	244.8	244.8	243.0	242.0	240.7
57.5°	207.8	208.3	210.1	210.6	212.9	212.0	211.5	210.6	207.8	207.3	205.9
60°	181.0	180.0	184.2	181.0	182.8	181.0	180.5	178.2	175.4	174.9	174.0
62.5°	155.5	153.7	156.4	155.0	156.0	154.1	153.2	150.4	148.1	147.6	147.2
65°	132.8	131.9	134.7	134.2	135.1	132.8	131.9	130.0	128.2	127.7	127.3
67.5°	113.9	116.2	117.6	117.6	118.5	118.0	115.7	115.2	114.8	112.9	112.9
70°	100.0	101.4	104.1	104.6	104.1	105.1	103.2	102.7	102.3	101.4	100.9
72.5°	88.9	90.7	93.5	94.0	93.5	93.5	92.6	92.1	92.1	90.7	90.7
75°	80.1	82.4	84.7	84.7	84.7	83.8	82.8	82.8	81.9	81.5	80.5
77.5°	72.7	75.4	77.3	76.8	76.4	75.4	75.4	74.0	72.7	72.7	71.7
80°	67.1	69.0	70.3	69.9	69.4	68.0	67.6	66.2	65.3	63.9	63.9
82.5°	61.1	63.4	64.3	63.9	62.9	61.6	61.1	60.2	59.2	58.8	57.9
85°	56.0	58.3	58.8	57.9	56.9	56.0	55.5	55.1	54.6	53.7	53.7
87.5°	50.9	53.2	53.2	52.8	51.8	51.4	50.9	50.4	50.0	49.5	49.1
90°	46.7	48.6	48.6	48.1	47.7	47.2	46.7	46.3	45.8	45.4	45.4
92.5°	42.6	44.4	44.4	44.0	43.5	43.0	43.0	42.6	42.1	41.7	41.2
95°	38.9	40.7	40.7	40.7	40.3	39.8	39.8	39.3	38.9	38.9	38.4
97.5°	35.2	37.0	37.0	37.0	36.6	36.1	36.1	35.6	35.6	35.6	35.2
100°	31.9	33.3	33.8	33.8	33.3	33.3	33.3	32.9	32.9	32.9	32.4
102.5°	28.7	30.1	31.0	31.0	31.0	30.5	30.5	30.5	30.5	30.5	30.1
105°	25.9	27.3	28.2	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
107.5°	23.6	25.0	25.9	26.4	26.8	26.8	27.3	27.3	27.3	27.3	27.3
110°	21.3	22.7	24.1	24.5	25.0	25.5	25.5	25.5	25.5	25.5	25.5

TEST NUMBER: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	19.0	20.8	21.8	22.7	23.1	23.6	24.1	24.1	24.1	24.1	24.1
115°	17.1	19.0	19.9	20.8	21.8	22.2	22.2	22.7	22.7	22.7	22.2
117.5°	15.3	17.1	18.0	19.0	19.4	20.4	20.8	20.8	20.8	20.8	20.4
120°	13.9	15.3	16.2	17.1	18.0	18.5	19.0	19.0	19.0	19.0	19.0
122.5°	12.0	13.4	14.8	15.7	16.2	16.7	17.1	17.1	17.1	17.1	17.1
125°	10.6	12.0	13.0	13.9	14.3	15.3	15.3	15.3	15.3	15.3	15.3
127.5°	9.3	10.6	11.6	12.5	13.0	13.4	13.9	13.9	13.9	13.9	13.9
130°	7.9	9.3	10.2	11.1	11.6	12.0	12.0	12.5	12.5	12.5	12.5
132.5°	6.9	7.9	8.8	9.7	10.2	10.6	10.6	11.1	11.1	11.1	11.1
135°	5.6	6.9	7.4	8.3	8.8	9.3	9.3	9.7	9.7	9.7	9.7
137.5°	4.6	5.6	6.5	7.4	7.9	7.9	8.3	8.3	8.8	8.8	8.8
140°	3.7	4.2	5.6	6.0	6.5	6.9	7.4	7.4	7.4	7.4	7.4
142.5°	2.8	3.7	4.2	5.1	5.6	6.0	6.5	6.5	6.5	6.5	6.5
145°	2.3	2.8	3.2	4.2	4.6	5.1	5.6	5.6	5.6	5.6	5.6
147.5°	1.9	2.3	2.8	3.2	3.7	4.2	4.6	4.6	4.6	4.6	4.6
150°	1.4	1.9	2.3	2.3	2.8	3.2	3.7	4.2	4.2	4.2	4.2
152.5°	1.4	1.4	1.9	1.9	2.3	2.8	3.2	3.2	3.2	3.2	3.2
155°	0.9	1.4	1.4	1.4	1.9	1.9	2.3	2.8	2.8	2.8	2.8
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

TEST NUMBER: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	896.0	897.8	896.9	895.5	895.1	897.4	895.1	884.4	888.6	889.1	892.3
5°	894.6	896.0	895.1	894.1	892.8	895.5	892.8	881.7	885.8	886.3	889.5
7.5°	903.9	904.3	904.3	902.0	898.3	899.7	896.0	883.5	885.8	885.8	888.1
10°	927.0	927.9	929.3	923.3	918.7	915.0	909.9	894.6	894.1	890.4	890.4
12.5°	957.1	954.8	952.5	949.7	946.0	941.4	933.9	915.9	909.9	903.9	897.8
15°	965.9	965.0	964.5	963.1	960.8	959.4	953.8	935.8	927.0	919.6	909.0
17.5°	942.7	944.6	950.6	951.1	953.8	959.4	958.5	946.0	938.1	934.9	921.9
20°	901.1	901.6	909.0	912.2	924.2	933.5	940.4	939.0	937.2	940.9	931.2
22.5°	851.1	854.3	862.2	867.3	878.9	889.5	900.6	906.6	916.4	931.6	929.8
25°	783.1	787.2	798.3	806.7	822.9	839.1	853.9	864.5	876.1	905.3	915.0
27.5°	701.6	708.1	722.4	730.8	753.5	770.1	791.4	812.2	828.4	861.7	881.7
30°	616.0	621.6	636.8	648.4	667.8	690.5	717.4	747.0	773.8	807.6	832.6
32.5°	535.9	541.9	554.4	564.6	586.4	605.4	635.0	671.5	696.5	743.3	776.6
35°	466.0	471.6	480.4	489.2	507.2	526.7	552.1	587.8	619.7	668.3	710.4
37.5°	417.0	417.9	423.0	428.1	441.5	456.3	476.2	507.7	537.3	589.6	635.9
40°	381.8	381.8	384.6	386.0	392.0	400.8	413.3	437.8	462.3	502.1	558.6
42.5°	360.1	359.1	359.1	359.6	359.1	363.3	370.7	382.3	404.0	436.9	480.9
45°	343.9	342.0	340.6	337.4	335.5	335.5	336.0	340.2	352.7	373.9	409.6
47.5°	325.8	325.4	323.0	319.3	316.1	313.8	310.1	308.7	312.4	324.4	348.5
50°	305.0	302.7	300.4	297.6	293.9	291.6	284.6	285.1	281.9	287.4	299.9
52.5°	274.4	272.6	271.7	269.4	268.0	267.0	261.5	255.9	254.5	255.5	260.1
55°	240.7	241.6	237.9	239.7	239.3	235.1	232.8	228.6	227.2	226.8	229.1
57.5°	205.5	206.4	204.1	205.9	205.9	203.6	202.2	202.2	199.0	196.2	199.5
60°	173.6	171.7	173.1	175.4	175.4	174.0	173.1	173.1	170.8	169.9	172.2
62.5°	147.6	145.8	147.2	149.5	150.0	149.0	148.1	148.1	145.3	145.3	147.2
65°	127.7	128.2	127.7	129.6	129.6	130.0	129.1	128.2	125.0	126.3	125.9
67.5°	113.4	112.9	112.9	114.8	114.3	115.2	114.3	112.9	110.6	108.8	108.3
70°	101.4	100.9	100.9	101.8	102.3	102.3	101.8	100.9	97.7	95.8	94.4
72.5°	90.7	90.2	90.7	91.2	91.6	92.1	91.6	90.7	87.9	85.6	83.3
75°	81.0	80.5	81.9	81.9	82.4	82.4	82.8	82.4	80.1	77.3	74.5
77.5°	71.3	71.7	73.1	73.6	74.5	75.0	75.4	75.4	73.1	70.8	67.1
80°	63.4	64.3	65.3	65.7	66.6	68.0	68.5	69.0	67.1	64.8	60.6
82.5°	57.9	58.3	59.2	59.7	61.1	61.6	62.0	62.9	62.0	59.7	55.1
85°	53.2	53.7	54.6	54.6	55.5	56.5	56.9	57.4	56.9	54.6	50.0
87.5°	49.1	49.5	50.0	50.4	50.9	51.4	51.8	52.3	51.8	49.5	45.4
90°	45.4	45.4	45.8	45.8	46.3	46.7	47.7	47.7	47.2	45.4	41.2
92.5°	41.2	41.7	41.7	42.1	42.6	43.0	43.5	43.5	43.0	41.2	37.5
95°	38.4	38.4	38.9	38.9	39.3	39.3	39.8	39.8	39.3	37.5	33.8
97.5°	35.2	35.2	35.2	35.2	35.6	35.6	36.1	36.1	35.6	33.8	30.5
100°	32.4	32.4	32.4	32.4	32.4	32.9	32.9	32.9	32.4	30.5	27.3
102.5°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	29.2	27.8	24.5
105°	28.7	28.7	28.7	28.2	28.2	28.2	27.8	27.8	26.4	25.0	22.2
107.5°	26.8	26.8	26.8	26.4	26.4	25.9	25.5	25.5	24.1	22.7	19.9
110°	25.5	25.5	25.5	25.0	24.5	24.1	23.6	23.1	21.8	19.9	17.6

TEST NUMBER: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	24.1	24.1	23.6	23.6	23.1	22.7	21.8	21.3	19.9	18.0	15.7
115°	22.2	22.2	22.2	21.8	21.3	20.8	20.4	19.4	18.0	16.2	13.9
117.5°	20.4	20.4	20.4	19.9	19.4	19.0	18.5	17.6	16.2	14.3	12.5
120°	18.5	18.5	18.5	18.0	17.6	17.1	16.7	15.7	14.3	13.0	10.6
122.5°	17.1	17.1	16.7	16.2	15.7	15.3	14.8	13.9	13.0	11.1	9.3
125°	15.3	15.3	14.8	14.8	14.3	13.9	13.4	12.5	11.1	9.7	8.3
127.5°	13.9	13.4	13.4	13.4	13.0	12.5	11.6	11.1	9.7	8.3	6.9
130°	12.0	12.0	12.0	11.6	11.6	11.1	10.2	9.3	8.3	7.4	6.0
132.5°	10.6	10.6	10.6	10.6	10.2	9.7	8.8	8.3	7.4	6.0	5.1
135°	9.7	9.7	9.3	9.3	8.8	8.3	7.9	6.9	6.0	5.1	4.2
137.5°	8.3	8.3	8.3	7.9	7.9	7.4	6.5	6.0	5.6	4.6	3.7
140°	7.4	7.4	6.9	6.9	6.5	6.5	6.0	5.1	4.6	3.7	3.2
142.5°	6.5	6.5	6.0	6.0	5.6	5.6	5.1	4.6	3.7	3.2	2.3
145°	5.6	5.6	5.1	5.1	5.1	4.6	4.2	3.7	3.2	2.8	2.3
147.5°	4.6	4.6	4.6	4.2	4.2	3.7	3.7	3.2	2.8	2.3	1.9
150°	4.2	4.2	3.7	3.7	3.7	3.2	2.8	2.8	2.3	1.9	1.4
152.5°	3.2	3.2	3.2	3.2	2.8	2.8	2.3	2.3	1.9	1.4	1.4
155°	2.8	2.8	2.8	2.3	2.3	2.3	1.9	1.9	1.4	1.4	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: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	890.9	890.4	894.6	894.1	888.6	896.9	902.5
5°	888.6	888.1	891.8	892.8	886.7	895.5	901.6
7.5°	886.7	886.3	890.4	891.8	885.8	893.7	900.2
10°	887.2	884.9	888.6	889.5	884.0	892.3	897.8
12.5°	890.4	884.9	886.3	886.3	881.2	888.6	894.6
15°	898.3	886.7	884.9	883.5	877.0	884.0	890.0
17.5°	907.1	891.4	884.9	880.3	872.4	878.4	884.9
20°	915.9	896.5	885.8	878.4	867.8	873.3	877.9
22.5°	920.1	901.1	886.7	875.6	862.2	865.0	870.1
25°	914.5	899.2	884.9	871.5	855.3	855.7	859.9
27.5°	894.1	890.0	880.7	867.3	849.7	847.4	850.6
30°	859.4	871.0	871.5	861.7	843.2	838.6	840.0
32.5°	810.8	836.8	852.0	850.2	834.0	827.5	828.4
35°	754.8	787.2	820.6	831.7	820.1	815.0	813.2
37.5°	687.7	731.2	775.7	803.0	801.1	797.9	796.0
40°	613.7	666.0	718.7	762.2	775.7	775.7	776.6
42.5°	534.5	595.6	653.5	708.6	740.0	747.0	749.8
45°	458.2	519.7	582.7	646.1	688.2	709.9	717.8
47.5°	388.8	450.8	510.5	579.9	635.9	664.1	676.6
50°	329.5	375.8	438.7	507.7	568.8	603.5	628.0
52.5°	280.5	316.6	371.6	436.0	497.5	545.2	567.9
55°	239.3	263.8	310.5	366.1	424.9	474.4	500.8
57.5°	204.6	224.0	255.9	302.2	351.7	400.8	429.0
60°	174.0	187.4	209.2	245.8	287.9	330.0	357.3
62.5°	147.6	156.4	170.8	197.6	230.5	263.3	288.8
65°	127.3	131.0	138.8	155.5	180.5	205.5	227.2
67.5°	107.4	109.7	115.7	125.9	138.4	156.4	170.8
70°	92.6	92.6	93.0	99.0	105.5	117.1	127.3
72.5°	80.5	79.1	76.4	77.8	79.1	85.6	92.1
75°	70.8	67.6	62.9	61.1	60.2	61.1	64.8
77.5°	62.5	57.9	52.3	47.7	44.0	42.6	45.8
80°	55.5	50.0	43.5	37.5	31.5	28.2	29.6
82.5°	50.0	43.0	36.1	29.2	22.2	17.6	17.6
85°	44.0	37.5	30.1	22.7	15.7	9.7	8.8
87.5°	39.8	32.9	25.0	18.0	11.1	5.1	2.8
90°	35.6	28.7	21.3	14.3	7.9	2.3	0.0
92.5°	31.9	25.5	18.5	11.6	5.6	1.4	0.0
95°	28.7	22.7	15.7	9.7	4.6	0.9	0.5
97.5°	25.5	19.9	13.9	7.9	3.2	0.9	0.5
100°	23.1	17.6	12.0	6.5	2.8	0.5	0.5
102.5°	20.4	15.7	10.2	5.6	2.3	0.5	0.5
105°	18.0	13.9	8.8	4.6	1.9	0.5	0.5
107.5°	16.2	12.0	7.9	4.2	1.9	0.5	0.5
110°	14.3	10.6	6.9	3.7	1.4	0.5	0.5



TEST NUMBER: P1213030

CATALOG NUMBER: 4SNLED-LD5-26SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	13.0	9.3	6.0	3.2	0.9	0.5	0.5
115°	11.1	8.3	5.1	2.8	0.9	0.5	0.5
117.5°	9.7	6.9	4.6	2.3	0.9	0.5	0.5
120°	8.3	6.0	3.7	1.9	0.5	0.5	0.5
122.5°	7.4	5.1	3.2	1.9	0.5	0.5	0.5
125°	6.5	4.6	2.8	1.4	0.5	0.5	0.5
127.5°	5.6	3.7	2.3	0.9	0.5	0.5	0.5
130°	4.6	3.2	1.9	0.9	0.5	0.5	0.5
132.5°	3.7	2.8	1.9	0.9	0.5	0.5	0.5
135°	3.2	2.3	1.4	0.9	0.5	0.5	0.5
137.5°	2.8	1.9	0.9	0.9	0.9	0.5	0.5
140°	2.3	1.4	0.9	0.9	0.9	0.9	0.5
142.5°	1.9	1.4	0.9	0.9	0.9	0.9	0.5
145°	1.4	0.9	0.9	0.9	0.9	0.9	0.5
147.5°	1.4	0.9	0.9	0.9	0.9	0.9	0.5
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)