

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: P1213031

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

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33519)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-26SL-LN-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

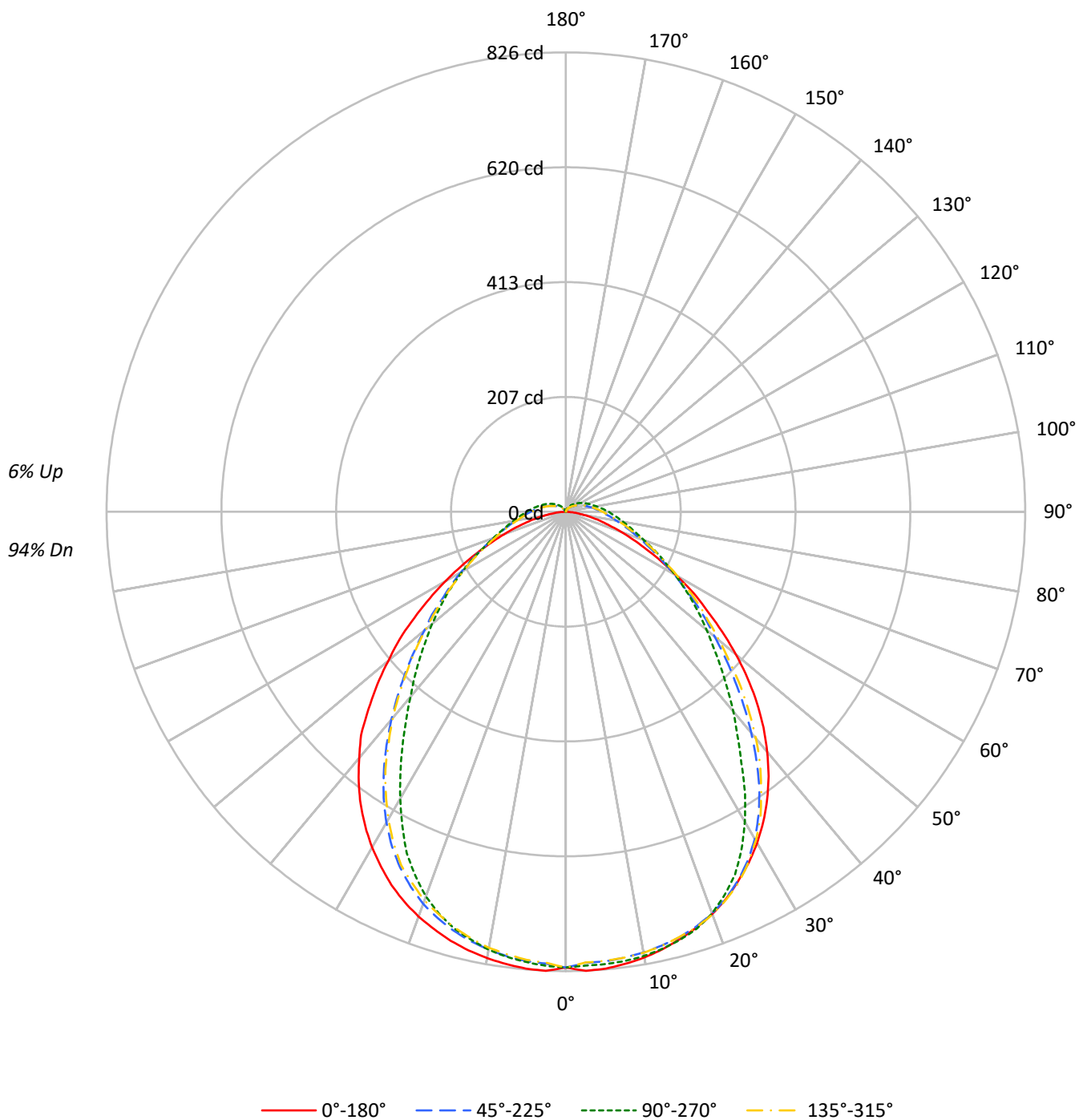
Lumens per Lamp: N/A
Luminaire Lumens: 2074.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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			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	114	114	114	114	108	108	108	102	102	102	96	96	96	94		
1	107	103	98	95	104	100	96	92	94	91	88	89	87	85	85	83	81	79		
2	98	90	84	78	95	88	82	77	83	78	74	79	75	72	75	72	69	67		
3	90	80	72	66	87	78	71	65	74	68	63	71	66	61	67	63	60	57		
4	83	72	63	57	80	70	62	56	67	60	55	64	58	53	61	56	52	50		
5	77	64	56	50	74	63	55	49	60	53	48	58	52	47	55	50	46	44		
6	71	58	50	44	69	57	49	43	55	48	42	52	46	42	50	45	41	39		
7	66	53	45	39	64	52	44	39	50	43	38	48	42	37	46	41	37	35		
8	62	49	41	35	60	48	40	35	46	39	34	44	38	34	43	37	33	31		
9	58	45	37	32	56	44	37	31	42	36	31	41	35	30	40	34	30	28		
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6622	6622	6622	6622
5°	6670	6412	6670	6384
10°	6640	6242	6651	6155
15°	6597	6055	6627	5897
20°	6546	5815	6585	5569
25°	6442	5460	6513	5138
30°	6305	4937	6388	4570
35°	6093	4297	6210	4000
40°	5787	3758	5941	3486
45°	5385	3266	5560	3079
50°	4835	2870	5048	2725
55°	4182	2534	4487	2407
60°	3517	2225	3836	2097
65°	2883	1967	3175	1824
70°	2296	1746	2570	1614
75°	1804	1613	2030	1483
80°	1301	1556	1534	1422
85°	799	1565	1079	1437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 5560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.7
10°-20°	222.8	10.7
20°-30°	330.2	15.9
30°-40°	366.8	17.7
40°-50°	332.5	16.0
50°-60°	257.7	12.4
60°-70°	175.0	8.4
70°-80°	111.3	5.4
80°-90°	71.2	3.4
90°-100°	48.0	2.3
100°-110°	32.9	1.6
110°-120°	21.9	1.1
120°-130°	13.6	0.7
130°-140°	7.5	0.4
140°-150°	3.6	0.2
150°-160°	1.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	630.7	30.4
0°-40°	997.5	48.1
0°-60°	1587.7	76.5
0°-90°	1945.1	93.8
90°-120°	102.8	5.0
90°-150°	127.5	6.1
90°-180°	129.0	6.2
0°-180°	2074.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	820	820	820	820	820	
5°	824	816	824	813	824	78
15°	795	796	799	776	795	224
25°	733	720	741	677	733	338
35°	631	550	643	512	631	394
45°	486	393	502	370	486	373
55°	310	276	333	262	310	279
65°	161	186	177	172	161	161
75°	64	124	73	114	64	69
85°	12	89	16	82	12	14
90°	0	77	1	70	0	1
95°	0	66	0	61	0	0
105°	0	48	0	46	0	1
115°	0	36	0	34	0	0
125°	0	27	0	24	0	0
135°	0	19	0	15	0	0
145°	0	12	0	9	0	0
155°	0	7	0	3	0	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°	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5
2.5°	826.3	825.4	824.5	823.1	824.5	828.1	825.8	820.9	820.0	811.9	815.5
5°	824.5	823.1	822.2	820.9	822.7	827.2	824.9	820.4	819.1	811.4	815.5
7.5°	820.0	819.1	817.7	817.7	819.5	824.0	822.2	817.3	816.4	808.7	813.2
10°	813.7	813.2	812.3	812.3	814.1	819.5	817.3	812.8	811.9	804.6	809.6
12.5°	805.5	806.0	804.6	804.6	807.4	812.8	811.0	806.0	805.1	798.8	803.7
15°	795.2	795.6	794.7	795.2	797.9	804.2	801.9	797.4	796.5	791.6	795.6
17.5°	783.5	783.9	783.9	783.5	786.6	792.9	791.1	787.1	785.7	781.7	786.6
20°	769.9	769.9	769.9	769.9	773.5	779.9	777.6	774.4	771.7	768.6	772.6
22.5°	753.3	752.8	753.3	754.6	758.2	763.2	761.8	758.2	754.2	752.4	755.5
25°	733.0	734.3	734.8	736.1	740.6	744.7	743.3	739.7	733.4	732.1	733.0
27.5°	711.8	712.7	714.0	713.6	719.9	724.0	721.3	718.1	709.1	707.7	706.8
30°	687.9	689.2	690.1	689.7	694.7	699.2	696.5	692.4	680.2	679.3	672.1
32.5°	660.8	662.2	663.1	663.1	670.3	672.1	667.2	661.3	648.2	645.1	638.8
35°	631.1	632.4	632.9	632.9	640.1	639.7	633.4	625.2	610.8	606.8	595.9
37.5°	599.1	600.0	600.4	603.1	606.3	603.6	595.5	585.1	574.3	563.0	551.3
40°	563.0	564.4	565.3	567.1	570.2	567.1	555.4	542.7	531.0	518.4	506.7
42.5°	526.1	530.1	529.2	528.8	530.6	522.0	513.0	498.6	486.8	473.8	462.1
45°	485.9	485.5	487.7	488.6	488.2	481.0	468.4	455.3	443.6	430.0	420.1
47.5°	443.6	443.1	444.9	445.8	443.1	435.5	425.5	410.7	400.7	389.0	381.4
50°	398.9	398.9	401.6	398.9	397.6	389.9	381.8	366.9	359.3	348.9	344.4
52.5°	354.3	358.4	355.7	354.8	353.4	345.8	339.4	327.3	321.0	316.4	311.0
55°	310.1	314.6	312.8	311.5	311.0	304.7	298.9	289.9	285.8	282.6	279.5
57.5°	272.7	272.3	271.4	270.0	270.5	265.5	259.7	254.7	252.9	251.5	252.4
60°	229.4	233.1	231.7	232.2	232.6	231.7	226.7	223.6	224.0	224.5	225.8
62.5°	193.8	197.0	199.2	197.4	198.3	199.7	197.0	196.1	197.9	199.7	201.5
65°	160.9	164.1	166.3	165.9	168.6	171.3	170.8	171.7	175.8	178.1	180.3
67.5°	131.2	134.3	137.5	137.9	142.0	146.1	147.9	151.0	155.5	158.7	161.4
70°	105.5	108.2	111.8	114.0	119.5	124.9	128.0	134.3	137.0	141.5	143.3
72.5°	82.5	84.7	89.7	95.1	99.6	106.4	112.7	118.1	122.2	127.1	129.4
75°	64.5	65.4	70.8	77.1	83.4	91.1	97.8	103.7	109.1	114.0	117.7
77.5°	47.3	48.7	53.6	62.2	69.4	77.5	85.2	91.5	97.4	102.3	107.3
80°	32.9	35.6	41.0	49.6	57.7	66.7	73.9	81.1	87.5	92.4	97.4
82.5°	21.2	23.4	31.1	39.7	48.2	57.2	64.9	72.1	78.9	84.3	88.8
85°	11.7	14.9	22.5	31.6	40.1	49.1	57.2	64.5	71.2	76.2	80.7
87.5°	4.5	9.0	16.2	24.8	33.4	41.9	50.5	57.2	64.0	69.4	73.5
90°	0.0	5.4	12.2	20.7	29.3	37.9	46.0	53.2	59.5	64.5	69.0
92.5°	0.5	3.6	9.5	16.7	24.8	32.9	40.6	47.8	54.1	59.1	63.1
95°	0.5	2.7	7.7	14.4	21.6	29.3	36.5	43.3	49.1	54.1	58.2
97.5°	0.5	1.8	6.3	12.6	18.9	26.6	33.4	39.7	45.1	50.0	53.2
100°	0.5	1.8	5.4	10.8	17.1	23.9	30.2	36.5	41.5	45.5	49.1
102.5°	0.5	1.4	4.5	9.5	15.3	21.2	27.5	33.4	37.9	41.9	45.5
105°	0.5	1.4	4.1	8.1	13.5	19.4	24.8	30.2	35.2	38.8	41.9
107.5°	0.5	0.9	3.6	6.8	11.7	17.6	23.0	27.5	32.0	35.6	38.8
110°	0.5	0.9	3.2	6.3	10.4	15.8	20.7	25.2	29.3	32.9	35.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	0.9	2.7	5.9	9.5	14.0	18.9	23.0	27.0	30.2	32.9
115°	0.5	0.9	2.7	5.4	8.6	12.2	16.7	21.2	24.3	27.9	30.2
117.5°	0.5	0.9	2.3	4.5	8.1	11.3	15.3	18.9	22.5	25.7	27.9
120°	0.5	0.9	2.3	4.1	7.2	10.4	13.5	17.1	20.7	23.0	25.2
122.5°	0.5	0.9	1.8	4.1	6.3	9.5	12.2	15.3	18.5	21.2	23.4
125°	0.5	0.9	1.8	3.6	5.9	8.6	11.3	13.5	16.7	18.9	21.2
127.5°	0.5	0.9	1.8	3.2	5.4	7.7	10.4	12.6	14.9	17.1	18.9
130°	0.5	0.9	1.4	2.7	5.0	6.8	9.0	11.7	13.5	15.3	17.1
132.5°	0.5	0.9	1.4	2.7	4.1	5.9	8.1	10.4	12.2	14.0	15.3
135°	0.5	0.9	1.4	2.3	3.6	5.4	6.8	9.0	10.8	12.6	14.0
137.5°	0.5	0.9	1.4	2.3	3.2	4.5	5.9	7.7	9.5	10.8	12.6
140°	0.5	0.9	1.4	1.8	2.7	4.1	5.4	6.3	8.1	9.5	10.8
142.5°	0.5	0.9	1.4	1.8	2.7	3.6	4.5	5.4	6.8	8.1	9.5
145°	0.5	0.9	1.4	1.8	2.3	3.2	4.1	5.0	5.4	6.8	7.7
147.5°	0.5	0.9	1.4	1.8	1.8	2.7	3.6	4.1	5.0	5.4	6.3
150°	0.5	0.9	1.4	1.4	1.8	2.3	3.2	3.6	4.1	5.0	5.4
152.5°	0.5	0.9	1.4	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
155°	0.5	0.9	1.4	1.4	1.4	1.8	2.3	2.7	3.2	3.6	4.1
157.5°	0.9	0.9	0.9	1.4	1.4	1.8	1.8	2.3	2.7	2.7	3.2
160°	0.9	0.9	0.9	1.4	1.4	1.4	1.8	1.8	2.3	2.3	2.7
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°	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5
2.5°	814.6	815.9	820.0	820.0	819.1	818.2	818.2	816.8	817.7	819.5	818.6
5°	814.6	815.9	820.0	820.0	819.1	818.2	817.7	816.4	817.7	819.5	818.6
7.5°	811.9	813.7	817.7	817.7	816.8	816.4	815.5	814.6	815.9	817.7	816.8
10°	808.3	810.1	814.1	814.1	813.2	813.2	811.9	811.0	812.8	814.1	813.7
12.5°	802.8	805.1	808.7	808.3	807.4	807.8	806.5	804.6	806.5	807.8	808.3
15°	795.2	797.9	801.5	800.6	799.2	800.1	797.9	796.5	797.9	800.6	800.1
17.5°	785.3	787.1	789.8	789.8	788.4	787.5	786.6	785.3	786.2	788.0	788.4
20°	771.3	773.5	774.9	773.5	773.1	771.7	769.9	768.6	770.4	773.1	773.5
22.5°	752.8	753.3	756.4	753.3	751.0	750.6	748.8	746.0	748.8	751.0	751.5
25°	729.8	732.1	730.7	725.3	725.3	721.7	720.8	719.5	719.9	724.0	725.8
27.5°	700.5	701.4	697.8	693.3	689.2	687.0	683.8	684.3	684.3	689.7	691.5
30°	668.5	663.6	660.4	653.2	650.0	644.6	643.7	643.7	642.8	645.5	653.6
32.5°	630.2	623.4	618.5	611.7	606.3	600.9	598.2	599.5	599.1	605.9	608.6
35°	588.3	584.2	573.8	565.3	562.1	554.0	554.0	550.0	552.7	560.3	563.5
37.5°	544.1	537.8	529.2	519.8	517.5	511.2	508.9	506.7	512.5	513.9	517.0
40°	499.0	493.2	485.0	476.0	476.0	468.4	468.4	468.4	468.8	471.5	477.4
42.5°	456.2	449.9	442.7	436.4	435.5	429.6	429.6	429.1	430.0	432.3	437.7
45°	414.7	409.8	402.1	398.9	399.4	393.1	394.4	393.1	394.9	397.1	398.9
47.5°	376.4	373.2	370.1	365.6	364.2	363.8	361.5	359.7	362.9	362.9	365.6
50°	340.8	339.0	337.2	334.5	334.9	333.1	330.4	330.4	332.7	333.1	334.9
52.5°	309.7	307.4	305.2	305.6	306.1	305.2	303.8	302.5	303.8	304.7	307.0
55°	278.6	276.8	279.0	278.1	279.0	278.1	277.2	276.3	278.6	277.2	279.5
57.5°	250.6	252.4	253.3	251.5	252.9	252.0	252.4	251.1	252.9	253.8	253.3
60°	224.9	227.6	226.3	226.7	228.5	227.6	225.8	227.2	229.0	229.4	229.0
62.5°	201.5	204.7	206.0	205.1	205.6	204.7	206.0	204.2	206.5	207.4	206.0
65°	180.3	183.9	184.8	184.8	184.8	183.9	185.3	185.7	186.6	186.6	185.7
67.5°	162.3	165.4	166.3	167.2	166.3	165.4	165.4	165.9	167.7	168.6	167.7
70°	146.1	149.2	149.7	149.7	150.1	151.0	149.2	150.1	151.5	151.9	151.5
72.5°	132.1	135.2	136.1	135.7	136.1	136.6	136.6	135.7	137.0	137.9	137.9
75°	120.8	122.6	123.5	123.5	124.0	124.4	124.4	124.0	124.9	125.3	125.8
77.5°	110.4	111.8	113.1	113.1	113.6	113.1	114.0	114.0	114.5	114.9	115.4
80°	100.1	101.9	102.8	103.2	104.1	104.6	104.6	104.6	105.0	105.5	105.5
82.5°	92.0	93.3	94.7	96.0	96.0	96.5	96.5	96.5	96.9	96.9	97.4
85°	83.8	85.6	87.0	87.9	88.4	88.8	88.8	89.3	89.3	89.3	89.7
87.5°	76.6	78.9	79.8	80.7	81.1	82.0	82.0	82.0	82.5	82.5	82.5
90°	71.7	73.9	74.8	75.7	76.2	76.6	76.6	77.1	77.1	77.5	77.5
92.5°	65.8	68.1	69.9	69.9	70.3	71.2	70.8	70.8	71.2	71.7	71.7
95°	61.3	63.1	64.5	64.9	65.4	65.4	65.4	65.8	65.4	65.8	65.8
97.5°	55.9	57.7	59.1	60.0	60.4	60.4	60.4	60.9	60.4	60.9	60.9
100°	51.4	53.2	54.5	55.0	55.9	55.9	55.9	55.9	55.9	55.9	56.3
102.5°	47.8	49.6	50.5	50.9	51.4	51.8	51.8	51.8	51.8	52.3	52.3
105°	44.2	46.0	46.9	47.3	47.8	48.2	48.2	48.2	48.7	48.7	48.2
107.5°	41.0	42.4	43.3	44.2	44.6	44.6	45.1	45.1	45.1	45.1	45.1
110°	37.9	39.2	40.6	41.5	41.5	41.9	41.9	42.4	42.4	41.9	42.4

TEST NUMBER: P1213031

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	34.7	36.5	37.4	38.3	38.8	39.2	39.2	39.2	39.2	39.2	39.2
115°	32.0	33.8	34.7	35.6	36.1	36.5	36.5	36.5	36.5	36.5	36.5
117.5°	29.8	31.6	32.5	32.9	33.4	33.8	34.3	34.3	34.3	34.3	33.8
120°	27.5	28.9	29.8	30.7	31.1	31.6	31.6	31.6	31.6	31.6	31.6
122.5°	25.2	26.6	27.5	28.4	28.9	29.3	29.3	29.3	29.3	29.3	29.3
125°	23.0	24.3	25.2	26.1	26.6	27.0	27.0	27.0	27.0	27.0	27.0
127.5°	20.7	22.1	23.4	23.9	24.3	24.8	24.8	24.8	25.2	24.8	24.8
130°	18.5	19.8	21.2	21.6	22.1	22.5	23.0	23.0	23.0	23.0	22.5
132.5°	16.7	18.0	18.9	19.4	20.3	20.3	20.7	20.7	20.7	20.7	20.3
135°	15.3	16.2	17.1	17.6	18.5	18.5	18.5	18.9	18.9	18.5	18.0
137.5°	13.5	14.4	15.3	15.8	16.2	16.7	16.7	17.1	16.7	16.7	16.7
140°	12.6	13.1	14.0	14.4	14.9	14.9	14.9	15.3	15.3	14.9	14.9
142.5°	10.8	11.7	12.6	13.1	13.5	13.5	13.5	13.5	13.5	13.5	13.5
145°	9.0	10.4	10.8	11.7	11.7	12.2	12.2	12.2	12.2	12.2	11.7
147.5°	7.7	8.6	9.9	10.4	10.4	10.8	10.8	10.8	10.8	10.8	10.4
150°	5.9	6.8	8.1	9.0	9.0	9.5	9.5	9.5	9.5	9.0	9.0
152.5°	5.0	5.9	6.3	7.2	7.7	7.7	7.7	8.1	7.7	7.7	7.7
155°	4.5	5.0	5.4	5.9	6.3	6.8	6.8	6.8	6.8	6.3	6.3
157.5°	3.6	4.1	4.5	5.0	5.4	5.9	5.9	5.9	5.9	5.9	5.4
160°	2.7	3.2	3.6	3.6	4.1	4.5	5.0	4.5	4.5	4.5	4.5
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: P1213031

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5
2.5°	817.7	817.3	818.6	816.4	809.6	811.4	810.5	814.6	815.5	816.4	820.4
5°	817.7	817.3	818.2	816.4	809.2	810.5	809.6	813.7	814.6	815.0	819.1
7.5°	815.9	815.5	816.8	814.6	806.9	808.7	807.4	811.4	811.9	812.3	815.9
10°	812.3	811.9	812.8	811.0	803.3	805.1	803.3	807.4	807.4	808.3	811.0
12.5°	806.9	806.0	807.8	805.5	797.0	799.2	798.3	801.0	801.5	801.9	804.6
15°	799.2	798.3	799.7	798.3	790.7	791.1	789.8	793.8	794.3	793.4	796.1
17.5°	788.0	787.1	789.8	788.9	781.2	783.0	782.6	783.5	784.8	782.6	786.2
20°	774.0	774.9	775.8	776.2	770.4	770.4	769.9	771.7	773.1	771.3	774.0
22.5°	753.3	755.5	758.2	759.1	755.1	754.6	757.3	756.4	757.8	756.9	758.7
25°	727.1	731.6	734.3	737.0	734.8	735.7	739.7	740.6	740.6	740.2	742.0
27.5°	694.7	700.5	705.5	711.3	709.1	710.9	717.6	718.5	720.4	718.5	722.2
30°	655.9	661.3	670.8	679.3	680.2	682.9	692.4	693.3	698.3	696.5	697.8
32.5°	617.1	619.8	630.6	639.2	644.6	651.4	661.7	663.6	670.3	671.7	671.7
35°	568.4	576.1	586.0	598.2	605.0	612.2	626.1	628.8	638.8	641.9	645.5
37.5°	527.4	534.6	540.9	553.6	565.7	573.8	585.1	591.9	602.2	608.1	612.6
40°	483.7	489.6	496.3	508.9	519.3	531.5	542.7	550.9	563.9	570.7	576.6
42.5°	442.2	446.7	453.9	463.0	473.8	487.3	498.1	507.6	521.6	531.0	537.8
45°	405.3	408.0	414.3	421.0	430.5	444.5	454.8	467.0	478.3	488.2	496.3
47.5°	370.5	374.2	377.3	381.8	390.4	398.9	411.1	422.8	434.1	444.9	453.0
50°	338.5	338.5	343.5	346.7	352.5	360.2	369.6	377.8	391.7	399.4	409.8
52.5°	307.4	309.2	311.9	313.7	318.3	323.2	330.9	337.6	349.4	356.6	366.5
55°	279.9	281.7	283.1	284.0	286.7	292.6	295.3	300.7	308.8	314.6	323.2
57.5°	253.8	254.7	256.0	256.5	256.9	260.6	262.8	264.2	272.3	278.1	285.3
60°	229.9	229.9	231.3	230.8	230.4	232.2	231.7	233.1	238.0	241.6	244.8
62.5°	207.4	207.4	207.8	206.9	206.5	206.5	204.7	206.0	207.4	207.8	210.1
65°	186.6	188.9	187.1	187.5	184.8	183.9	183.0	180.3	179.9	178.1	179.0
67.5°	168.1	169.9	168.1	168.1	165.9	164.1	161.8	157.3	156.0	152.4	151.5
70°	153.3	151.9	152.8	151.5	148.8	146.5	143.3	139.7	135.2	130.7	127.6
72.5°	138.8	138.8	137.9	136.6	135.2	130.7	127.1	123.1	117.7	111.8	107.3
75°	124.9	125.3	125.3	124.0	121.7	117.7	113.6	107.7	101.9	95.1	89.3
77.5°	114.9	114.9	114.9	112.7	110.4	106.8	101.9	95.6	89.3	81.1	74.4
80°	105.5	105.0	105.0	102.3	100.1	96.0	91.1	84.7	78.0	69.4	61.8
82.5°	97.8	97.4	96.5	94.2	91.1	87.0	82.0	75.3	68.1	60.4	50.9
85°	89.7	89.3	88.4	86.1	82.9	79.3	73.9	67.2	60.0	51.4	42.4
87.5°	82.5	82.0	80.7	79.3	75.7	71.7	66.3	60.0	52.3	44.2	35.2
90°	77.5	76.6	75.7	73.9	70.8	66.3	60.9	54.1	46.4	38.3	29.3
92.5°	71.7	71.2	69.9	68.1	65.4	60.9	55.4	49.1	41.5	33.8	25.2
95°	65.8	65.4	64.5	62.7	60.0	55.9	50.9	44.6	37.4	29.8	22.1
97.5°	60.4	60.4	59.1	57.7	54.5	51.4	46.4	40.6	33.8	27.0	19.8
100°	55.9	55.9	54.5	52.7	50.5	47.3	42.4	37.0	30.7	24.3	17.1
102.5°	51.8	51.4	50.5	48.7	46.4	43.3	38.8	33.8	27.9	21.6	15.3
105°	48.2	47.8	46.9	45.1	43.3	39.7	36.1	31.1	25.2	19.4	13.5
107.5°	44.6	44.2	43.7	41.9	39.7	36.5	32.9	27.9	23.0	17.6	12.2
110°	41.5	41.0	40.1	38.3	36.1	33.4	29.8	25.7	20.7	15.8	10.8

TEST NUMBER: P1213031

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	38.8	38.3	37.4	35.6	33.8	30.7	27.5	23.0	18.9	14.4	9.5
115°	36.1	35.6	34.7	32.9	30.7	27.9	24.8	21.2	16.7	12.6	8.6
117.5°	33.4	32.9	32.0	30.7	28.4	25.7	22.5	18.9	14.9	11.7	7.7
120°	31.1	30.2	29.3	27.9	25.7	23.4	20.3	17.1	13.5	10.4	6.8
122.5°	28.9	27.9	27.0	25.7	23.4	21.2	18.0	15.3	12.6	9.5	6.3
125°	26.1	25.7	24.8	23.4	21.2	18.9	16.7	14.0	11.3	8.6	5.4
127.5°	23.9	23.4	22.5	20.7	18.9	17.1	14.9	12.6	9.9	7.2	5.0
130°	22.1	21.2	20.3	18.9	17.6	15.8	13.5	11.3	9.0	6.3	4.5
132.5°	19.8	18.9	18.0	17.1	15.8	14.0	12.2	9.9	8.1	5.9	4.1
135°	18.0	17.1	16.2	15.3	14.0	12.6	10.8	9.0	7.2	5.4	3.6
137.5°	15.8	15.3	14.9	14.0	12.6	11.3	9.9	7.7	6.3	5.0	3.2
140°	14.4	14.0	13.5	12.2	11.3	9.9	8.6	6.8	5.4	4.1	2.7
142.5°	13.1	12.6	11.7	10.8	9.9	9.0	7.2	6.3	5.0	3.6	2.7
145°	11.3	10.8	10.4	9.5	8.6	7.2	6.3	5.4	4.5	3.2	2.3
147.5°	10.4	9.9	9.0	8.1	7.2	6.3	5.9	5.0	3.6	2.7	1.8
150°	8.6	8.1	7.7	6.8	6.3	5.9	5.0	4.1	3.2	2.3	1.8
152.5°	7.2	6.8	6.3	6.3	5.4	5.0	4.1	3.6	2.7	2.3	1.4
155°	6.3	6.3	5.9	5.4	4.5	4.1	3.6	2.7	2.3	1.8	1.4
157.5°	5.4	5.0	4.5	4.5	4.1	3.6	2.7	2.3	1.8	1.8	1.4
160°	4.5	4.1	4.1	3.6	3.2	2.7	2.3	2.3	1.8	1.4	1.4
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: P1213031

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5
2.5°	820.9	815.9	820.4	826.3	826.3	825.4	824.5	826.3	830.8	829.0	823.6
5°	819.5	814.6	818.6	824.5	824.5	823.1	822.2	823.6	828.5	826.3	821.3
7.5°	816.8	812.3	815.0	820.4	820.4	819.1	818.2	820.0	824.0	821.8	816.4
10°	811.9	806.9	810.1	815.0	814.6	813.7	812.3	814.6	818.2	815.0	808.7
12.5°	805.5	800.6	803.3	807.8	807.4	805.5	804.6	806.0	809.2	807.4	800.6
15°	797.0	792.0	794.3	798.8	797.4	796.1	794.3	794.7	798.8	795.6	788.4
17.5°	786.6	781.2	783.0	787.1	785.7	784.4	782.1	782.6	787.1	782.6	774.9
20°	774.0	768.1	769.5	774.4	772.2	769.9	767.7	767.7	772.2	767.2	758.7
22.5°	760.5	754.6	755.5	759.1	757.3	753.3	751.0	752.4	754.6	748.3	739.3
25°	743.8	736.1	737.5	741.1	739.7	734.3	732.1	733.0	732.1	727.1	717.6
27.5°	724.4	716.3	717.2	719.5	717.6	712.7	710.0	710.4	708.6	702.3	691.5
30°	700.1	696.0	695.6	696.9	694.2	689.2	686.1	685.2	684.7	675.7	662.7
32.5°	675.3	671.7	669.4	671.2	668.1	663.1	657.7	657.7	653.2	644.6	633.4
35°	650.0	644.2	641.9	643.3	639.7	633.4	628.8	626.6	619.8	609.0	596.8
37.5°	617.6	613.5	610.8	612.2	608.1	603.6	595.0	592.8	585.6	570.7	555.4
40°	582.4	579.3	576.6	577.9	573.4	566.6	559.0	555.4	547.3	530.6	518.4
42.5°	544.5	543.2	540.0	545.0	536.0	529.2	521.6	515.7	507.6	489.6	475.6
45°	504.4	507.6	500.4	501.7	495.9	490.0	481.9	473.3	465.2	448.1	432.3
47.5°	462.1	464.3	459.3	460.2	453.9	448.5	441.3	430.5	421.5	406.6	392.6
50°	418.3	417.4	417.4	416.5	411.6	404.8	397.6	387.7	378.7	365.1	353.4
52.5°	371.9	373.7	374.6	376.9	370.5	366.5	355.2	346.7	339.9	325.9	316.0
55°	327.3	333.6	331.8	332.7	325.5	322.3	313.3	306.5	296.6	288.5	282.2
57.5°	286.7	288.1	289.0	290.3	287.1	280.8	273.6	268.2	260.6	253.8	249.3
60°	247.5	247.5	247.9	250.2	247.0	241.6	236.2	232.2	226.7	222.7	220.0
62.5°	210.5	213.7	214.1	212.3	208.3	205.6	202.0	199.7	196.1	194.7	193.8
65°	176.3	176.3	176.3	177.2	174.9	173.1	170.8	170.4	171.7	169.9	170.8
67.5°	147.4	146.1	145.2	145.6	144.7	143.8	143.3	144.7	147.4	147.4	149.7
70°	122.6	119.9	118.1	118.1	118.1	118.6	119.9	122.6	127.1	128.9	132.1
72.5°	102.3	96.5	93.8	93.8	94.2	96.0	100.1	105.0	109.1	112.7	116.8
75°	82.9	77.1	73.0	72.6	73.5	76.2	82.0	86.6	93.3	98.3	103.2
77.5°	67.2	60.0	55.0	54.5	55.9	60.0	67.2	73.0	80.7	86.1	91.5
80°	53.6	45.5	41.5	38.8	41.0	46.0	54.1	61.3	68.5	75.7	82.5
82.5°	42.8	35.2	28.9	26.1	28.9	35.6	43.3	51.8	59.1	66.7	73.5
85°	33.8	25.7	18.5	15.8	18.9	26.1	34.7	43.3	51.4	59.1	65.8
87.5°	26.6	18.5	11.3	7.7	11.7	19.4	27.5	36.1	44.6	52.3	59.1
90°	20.7	13.1	6.3	0.9	6.8	14.0	22.1	30.2	38.8	46.4	53.2
92.5°	17.6	9.9	3.6	0.0	4.1	10.4	18.0	26.1	33.8	41.5	48.2
95°	14.9	8.1	2.7	0.0	2.7	8.1	14.9	22.1	29.8	37.4	44.2
97.5°	12.6	6.3	1.8	0.0	1.8	6.3	12.2	19.4	26.1	33.4	39.7
100°	10.8	5.4	1.4	0.0	1.4	5.0	10.4	16.7	23.4	30.2	36.1
102.5°	9.5	4.5	0.9	0.0	0.9	4.1	8.6	14.4	20.3	26.6	32.5
105°	8.1	3.6	0.9	0.0	0.5	3.2	7.2	12.6	18.0	23.9	29.3
107.5°	7.2	3.2	0.9	0.0	0.5	2.7	6.3	10.8	16.2	21.2	26.1
110°	6.3	2.7	0.9	0.0	0.5	1.8	5.4	9.5	14.0	18.9	23.9

TEST NUMBER: P1213031

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	5.4	2.3	0.5	0.0	0.0	1.4	4.5	8.1	12.2	17.1	21.2
115°	5.0	2.3	0.5	0.0	0.0	0.9	3.6	7.2	10.8	15.3	18.9
117.5°	4.5	1.8	0.5	0.0	0.5	0.9	3.2	6.3	9.5	13.1	17.1
120°	4.1	1.8	0.5	0.0	0.5	0.5	2.3	5.4	8.1	11.7	14.9
122.5°	3.6	1.8	0.5	0.0	0.5	0.5	1.8	4.5	7.2	10.4	13.1
125°	3.2	1.4	0.9	0.5	0.5	0.5	1.4	3.6	6.3	8.6	11.7
127.5°	3.2	1.4	0.9	0.5	0.5	0.5	0.9	3.2	5.0	7.7	10.4
130°	2.7	1.4	0.9	0.5	0.5	0.5	0.5	2.3	4.5	6.3	8.6
132.5°	2.3	1.4	0.9	0.5	0.5	0.5	0.5	1.4	3.2	5.4	7.2
135°	2.3	1.4	0.9	0.5	0.5	0.5	0.5	0.9	2.3	4.1	5.9
137.5°	1.8	0.9	0.9	0.5	0.5	0.5	0.5	0.5	1.8	3.2	4.5
140°	1.8	0.9	0.9	0.5	0.5	0.5	0.5	0.5	1.4	2.3	3.6
142.5°	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9	1.8	2.7
145°	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.8
147.5°	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4
150°	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
152.5°	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
155°	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
157.5°	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
160°	1.4	0.9	0.9	0.5	0.9	0.5	0.9	0.9	0.9	0.9	0.9
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: P1213031

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5
2.5°	821.8	813.2	817.7	816.4	818.2	821.8	821.3	820.4	820.4	819.1	817.3
5°	819.1	811.0	815.0	812.8	815.0	818.2	817.7	816.4	817.3	815.0	812.8
7.5°	813.7	806.5	810.1	808.3	810.1	813.2	811.9	811.4	812.3	808.7	807.4
10°	807.4	799.2	803.3	801.0	803.3	805.5	804.6	802.8	804.6	801.0	799.7
12.5°	797.4	790.7	793.4	792.5	793.8	796.1	794.3	792.9	793.8	790.7	788.0
15°	786.6	779.9	782.1	780.8	781.7	784.4	781.2	780.8	779.9	776.7	775.8
17.5°	772.6	766.3	768.6	766.3	767.7	766.8	766.3	764.1	764.1	760.5	757.8
20°	755.5	750.1	748.8	746.9	748.8	746.9	744.2	742.4	742.0	738.4	736.1
22.5°	735.7	729.4	730.3	725.3	725.8	723.1	718.5	716.7	714.9	710.9	707.7
25°	711.8	705.5	701.0	697.8	693.8	693.3	687.4	682.9	682.5	677.5	677.1
27.5°	684.7	677.5	673.9	666.3	661.3	657.2	652.3	647.8	645.5	640.1	636.5
30°	653.6	645.5	636.5	631.1	623.4	620.3	611.7	606.3	604.5	598.6	595.9
32.5°	618.5	609.9	602.7	592.3	583.8	579.3	570.7	565.3	563.0	556.7	553.1
35°	580.2	570.7	562.1	552.2	545.4	537.8	527.4	522.0	517.0	514.8	512.1
37.5°	540.0	529.7	519.8	509.8	504.0	495.0	485.9	482.3	476.5	474.2	471.5
40°	498.6	488.2	478.7	469.3	462.5	454.4	446.3	444.9	438.6	436.4	434.6
42.5°	457.5	446.7	435.9	429.1	424.2	416.1	410.7	409.3	403.9	402.5	402.5
45°	420.6	407.1	398.0	392.2	388.1	381.4	376.9	376.0	371.4	370.5	370.5
47.5°	380.9	368.3	361.5	357.9	354.3	349.4	346.7	346.7	342.1	341.2	340.8
50°	343.9	332.2	327.3	323.7	323.2	319.6	317.4	316.4	316.4	313.3	313.7
52.5°	308.8	302.9	298.9	296.6	293.9	291.7	289.9	289.9	288.5	286.2	287.1
55°	276.3	269.6	270.0	268.2	266.9	265.5	266.0	263.3	262.8	261.0	262.4
57.5°	243.9	243.9	243.0	241.6	239.4	240.3	240.3	240.3	238.0	236.7	238.0
60°	216.4	217.7	215.5	216.8	215.9	216.4	215.5	215.5	214.1	213.7	214.1
62.5°	192.0	194.3	193.4	195.2	194.3	194.7	195.6	193.8	192.9	192.0	192.9
65°	170.4	173.1	172.7	174.0	174.5	174.9	175.4	174.5	173.6	172.7	172.2
67.5°	151.5	154.2	156.0	156.4	156.9	158.2	157.8	156.9	156.0	154.6	154.2
70°	134.3	137.9	140.2	141.1	142.9	142.0	142.0	141.5	140.6	139.3	138.8
72.5°	119.9	124.0	126.2	127.1	128.9	128.9	128.5	128.0	127.1	125.8	125.3
75°	107.3	110.9	114.0	115.9	117.2	117.2	116.8	116.3	115.4	114.5	114.0
77.5°	97.4	100.5	103.2	105.5	106.4	106.8	106.4	105.5	105.5	105.0	104.6
80°	87.5	91.1	93.8	96.0	97.4	97.4	96.9	97.4	96.5	96.0	95.6
82.5°	78.9	82.9	86.1	88.4	89.3	89.7	89.3	89.7	88.8	88.8	88.8
85°	71.2	75.3	78.9	80.7	82.0	82.5	82.5	82.5	82.0	82.0	82.0
87.5°	64.9	69.0	72.6	74.4	75.7	76.2	76.2	76.6	75.7	75.7	75.7
90°	59.1	63.1	66.7	68.5	69.9	70.8	70.8	71.2	70.8	70.3	70.3
92.5°	53.6	58.2	61.8	63.6	64.9	66.3	66.3	66.7	65.8	65.8	65.8
95°	49.1	53.6	56.8	59.1	60.4	61.3	61.8	61.8	61.3	61.3	61.3
97.5°	45.1	49.1	52.3	54.5	55.9	56.3	56.8	57.2	56.8	56.8	56.8
100°	41.0	45.1	48.2	50.0	51.8	52.3	52.7	53.2	53.2	52.7	52.7
102.5°	37.4	41.5	44.2	46.4	47.8	48.7	49.1	49.1	49.1	49.1	49.1
105°	33.8	37.9	40.6	42.8	44.2	45.1	45.5	46.0	46.0	45.5	45.5
107.5°	30.7	34.3	37.4	39.2	41.0	41.9	42.4	42.4	42.8	42.4	42.4
110°	27.5	31.6	34.3	36.1	37.9	38.8	39.2	39.7	39.7	39.7	39.7



TEST NUMBER: P1213031

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	25.2	28.4	31.1	32.9	34.7	35.6	36.1	36.5	37.0	36.5	36.5
115°	22.5	25.7	28.4	30.2	31.6	32.5	33.4	33.8	33.8	34.3	33.8
117.5°	20.3	23.0	25.7	27.5	28.9	30.2	30.7	31.1	31.6	31.1	31.1
120°	18.0	20.7	23.0	24.8	26.1	27.5	27.9	28.4	28.9	28.4	28.4
122.5°	16.2	18.5	20.7	22.5	23.9	24.8	25.7	25.7	26.1	26.1	26.1
125°	14.4	16.7	18.5	20.3	21.6	22.5	23.0	23.4	23.4	23.9	23.9
127.5°	12.6	14.4	16.7	18.0	19.4	20.3	20.7	21.2	21.2	21.6	21.6
130°	10.8	12.6	14.4	15.8	17.1	18.0	18.5	18.9	19.4	19.4	19.4
132.5°	9.5	11.3	12.6	14.0	14.9	15.8	16.7	17.1	17.1	17.1	17.1
135°	7.7	9.5	10.8	12.2	13.1	14.0	14.4	15.3	15.3	15.3	15.3
137.5°	6.3	8.1	9.5	10.4	11.3	12.2	12.6	13.1	13.5	13.5	13.5
140°	5.0	6.3	7.7	9.0	9.9	10.4	11.3	11.3	11.7	11.7	11.7
142.5°	3.6	5.0	5.9	7.2	8.1	9.0	9.5	9.9	9.9	9.9	9.9
145°	2.7	3.6	4.5	5.4	6.8	7.2	7.7	8.1	8.6	8.6	8.6
147.5°	1.8	2.7	3.2	4.1	5.0	5.9	6.3	6.8	7.2	7.2	7.2
150°	1.4	1.8	2.7	3.2	3.6	4.5	5.4	5.4	5.9	5.9	5.4
152.5°	0.9	1.4	1.8	2.3	2.7	3.2	4.1	4.1	4.5	4.5	4.5
155°	0.9	0.9	0.9	1.4	1.8	2.3	2.7	3.2	3.2	3.2	3.2
157.5°	0.9	0.9	0.9	0.9	0.9	1.4	1.8	2.3	2.3	2.3	2.3
160°	0.9	0.9	0.5	0.5	0.9	0.9	0.9	0.9	1.4	1.4	1.4
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: P1213031

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5	819.5
2.5°	818.6	819.5	819.5	818.6	818.2	820.0	817.7	809.2	811.9	812.8	815.5
5°	814.6	815.5	815.5	815.5	814.6	816.4	814.1	805.5	808.7	810.1	811.9
7.5°	808.7	809.2	810.1	809.6	808.7	811.4	809.2	800.6	802.8	805.1	807.4
10°	801.0	801.0	801.5	802.4	801.5	803.7	801.5	793.8	796.1	797.4	800.1
12.5°	790.7	791.6	792.0	791.6	791.1	792.9	792.0	784.8	785.7	788.4	791.1
15°	776.7	776.7	779.0	778.1	778.1	779.9	780.8	772.6	774.0	778.1	780.8
17.5°	759.6	760.0	761.8	762.7	762.3	765.4	765.9	759.6	759.1	764.1	766.8
20°	737.5	738.4	740.6	742.4	742.4	746.0	747.4	743.3	743.8	749.2	750.1
22.5°	710.4	710.4	714.5	717.2	719.5	721.7	725.8	722.2	722.2	729.4	733.4
25°	677.1	680.2	681.6	687.0	690.1	696.5	700.1	700.5	701.0	707.7	710.4
27.5°	640.1	641.0	645.1	651.4	655.0	660.8	667.6	669.0	671.2	680.2	684.3
30°	598.2	600.9	602.7	611.7	616.7	624.3	632.9	636.1	637.9	650.0	655.0
32.5°	555.4	556.3	563.9	568.9	574.7	582.9	592.8	598.6	602.2	614.9	622.1
35°	512.5	514.3	520.7	527.0	532.8	540.9	551.3	559.4	565.7	577.0	586.5
37.5°	473.3	477.8	479.2	485.5	490.0	498.1	505.3	517.0	523.4	535.1	547.3
40°	438.2	439.5	440.4	446.7	449.9	457.5	467.9	475.6	484.1	492.7	507.1
42.5°	403.5	404.4	405.7	409.3	412.9	418.3	426.0	433.7	442.7	455.3	464.8
45°	371.4	372.3	373.2	375.5	378.7	383.6	388.6	394.0	403.0	413.8	423.7
47.5°	341.7	343.5	343.5	343.9	346.2	350.3	353.9	360.6	365.6	371.4	382.7
50°	313.3	314.6	315.1	315.1	316.4	319.2	320.1	324.6	329.1	334.5	342.6
52.5°	286.7	286.7	286.2	288.1	288.1	289.9	290.3	293.0	296.2	302.0	305.6
55°	261.5	261.5	262.8	261.9	261.9	262.8	262.4	262.8	265.5	269.1	272.3
57.5°	237.1	236.7	238.0	237.1	236.7	237.6	238.5	236.7	237.1	240.7	240.7
60°	212.8	213.2	214.6	213.7	213.7	213.7	212.8	211.9	211.0	213.2	214.1
62.5°	193.4	192.0	193.4	192.0	192.9	192.5	191.6	189.8	190.2	189.3	188.4
65°	173.1	173.1	173.6	172.2	173.1	173.1	171.7	171.3	168.6	167.7	165.4
67.5°	155.5	155.5	156.0	155.1	155.1	155.5	154.2	152.8	150.1	148.8	145.6
70°	140.2	140.2	140.2	139.7	139.7	139.7	138.8	137.0	134.3	132.1	128.0
72.5°	126.2	126.7	126.2	126.2	127.6	126.2	124.9	123.1	120.8	116.3	112.7
75°	114.9	115.4	114.9	114.9	114.9	114.5	114.0	111.3	108.6	105.0	99.6
77.5°	105.0	105.0	105.5	105.0	105.0	104.6	103.2	101.0	97.8	94.7	88.4
80°	95.6	96.0	96.5	96.9	96.0	95.6	94.2	92.4	88.4	84.7	78.4
82.5°	88.8	88.4	88.8	89.3	88.4	87.9	86.6	84.3	81.1	76.2	69.9
85°	82.0	81.6	81.6	82.0	81.6	80.7	79.3	77.1	73.9	69.0	62.7
87.5°	75.3	75.7	76.2	75.7	75.3	74.4	73.0	70.8	67.2	63.1	56.3
90°	70.3	70.3	70.3	70.3	69.9	69.0	67.6	64.9	61.8	56.8	50.9
92.5°	65.8	65.8	65.8	65.8	65.4	64.0	62.7	60.4	56.8	51.8	46.4
95°	61.3	61.8	61.3	61.3	60.4	60.0	57.7	55.4	52.3	47.3	41.5
97.5°	56.3	56.8	56.3	56.3	55.9	55.0	53.6	50.9	47.8	43.3	37.9
100°	52.7	52.7	52.3	52.3	51.8	50.9	49.1	46.9	43.7	39.2	33.8
102.5°	48.7	49.1	48.7	48.7	47.8	46.9	45.5	43.3	40.1	35.6	30.7
105°	45.5	45.5	45.1	45.1	44.2	43.3	41.9	39.2	36.5	32.5	27.5
107.5°	42.4	42.4	41.9	41.9	41.0	40.1	38.3	36.1	33.4	29.3	24.8
110°	39.2	39.2	39.2	38.8	37.9	36.5	35.2	32.9	30.2	26.6	22.1



TEST NUMBER: P1213031

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	37.0	36.5	36.1	35.6	34.7	33.8	32.0	29.8	27.0	23.9	19.8
115°	33.8	33.8	33.4	32.9	32.0	30.7	29.3	27.5	24.8	21.2	17.6
117.5°	31.1	31.1	30.7	30.2	29.3	27.9	26.6	24.8	22.1	18.9	15.8
120°	28.4	28.4	27.9	27.5	26.6	25.2	24.3	22.1	19.8	16.7	14.0
122.5°	26.1	25.7	25.7	24.8	24.3	23.0	21.6	19.8	17.6	14.9	12.2
125°	23.4	23.4	23.0	22.5	22.1	20.7	19.4	17.6	15.3	13.1	10.8
127.5°	21.2	21.2	20.7	20.3	19.8	18.5	17.1	15.8	13.5	11.3	9.0
130°	18.9	18.9	18.5	18.0	17.6	16.2	15.3	13.5	11.7	9.9	7.7
132.5°	17.1	17.1	16.7	16.2	15.3	14.4	13.5	11.7	10.4	8.6	6.8
135°	15.3	14.9	14.9	14.4	13.5	12.6	11.7	10.4	8.6	7.2	5.4
137.5°	13.5	13.1	12.6	12.2	11.7	10.8	9.9	9.0	7.7	5.9	4.5
140°	11.7	11.3	11.3	10.8	9.9	9.5	8.6	7.2	6.3	5.0	3.6
142.5°	9.9	9.9	9.5	9.0	8.6	8.1	7.2	6.3	5.0	4.1	2.7
145°	8.6	8.1	8.1	7.7	7.2	6.3	5.9	5.0	4.1	3.2	2.3
147.5°	6.8	6.8	6.8	6.3	5.9	5.4	5.0	4.1	3.2	2.3	1.4
150°	5.4	5.4	5.4	5.0	4.5	4.1	3.6	3.2	2.3	1.4	0.9
152.5°	4.5	4.5	4.1	4.1	3.6	3.2	2.7	2.3	1.4	0.9	0.9
155°	3.2	3.2	3.2	2.7	2.7	2.3	1.8	1.4	0.9	0.9	0.9
157.5°	2.3	2.3	2.3	1.8	1.8	1.4	1.4	0.9	0.9	0.9	0.9
160°	1.4	1.4	1.4	1.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P1213031

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	819.5	819.5	819.5	819.5	819.5	819.5	819.5
2.5°	814.1	813.7	817.3	817.3	813.2	819.5	826.3
5°	811.4	811.0	814.6	814.6	811.0	817.3	824.5
7.5°	806.0	806.5	810.1	811.0	806.5	812.3	820.0
10°	800.1	799.7	803.7	804.6	801.0	806.5	813.7
12.5°	790.7	790.7	794.7	796.1	792.5	798.8	805.5
15°	780.8	780.8	783.5	785.7	782.6	788.4	795.2
17.5°	768.1	767.7	770.4	773.1	769.9	776.2	783.5
20°	751.9	751.9	755.1	758.2	756.0	761.8	769.9
22.5°	734.8	733.0	738.4	740.6	739.3	745.1	753.3
25°	713.1	712.7	718.1	721.3	719.5	725.8	733.0
27.5°	689.7	689.2	694.7	698.7	697.8	703.7	711.8
30°	661.3	663.6	668.5	675.3	673.0	679.3	687.9
32.5°	631.5	633.8	639.7	646.9	647.3	652.3	660.8
35°	595.9	601.8	605.9	615.3	617.1	622.1	631.1
37.5°	558.5	565.3	573.8	581.1	584.7	588.7	599.1
40°	516.6	526.5	536.0	544.5	549.1	553.1	563.0
42.5°	478.7	486.4	495.4	504.0	512.1	515.7	526.1
45°	435.9	444.9	453.0	463.4	471.5	475.6	485.9
47.5°	394.0	403.0	413.8	421.0	429.6	433.7	443.6
50°	353.9	362.0	371.0	379.6	386.8	390.4	398.9
52.5°	314.2	322.8	331.3	336.7	344.4	347.1	354.3
55°	279.0	284.9	292.6	295.7	303.4	305.2	310.1
57.5°	245.2	249.3	252.0	257.4	262.8	266.9	272.7
60°	214.6	216.4	218.2	221.3	225.8	227.2	229.4
62.5°	187.1	186.6	190.2	191.1	191.6	196.1	193.8
65°	162.7	163.2	160.0	158.7	160.5	161.8	160.9
67.5°	142.4	139.7	137.0	133.9	131.2	132.5	131.2
70°	122.6	120.4	115.9	111.3	109.5	106.8	105.5
72.5°	106.8	101.4	96.9	91.1	87.9	84.7	82.5
75°	94.7	87.0	80.7	74.4	69.9	65.4	64.5
77.5°	82.0	74.8	67.6	60.9	54.1	49.1	47.3
80°	72.1	65.4	56.8	48.7	41.5	35.2	32.9
82.5°	63.1	55.9	47.3	38.8	30.7	23.9	21.2
85°	55.4	47.8	39.2	30.7	22.5	15.3	11.7
87.5°	49.6	41.0	32.5	24.3	15.8	8.6	4.5
90°	44.2	36.1	27.9	19.4	11.3	4.5	0.0
92.5°	39.2	31.6	23.4	15.8	8.6	2.7	0.5
95°	34.7	27.9	19.8	12.6	6.3	1.8	0.5
97.5°	31.1	24.3	17.1	10.4	5.0	1.4	0.5
100°	27.9	21.2	14.9	8.6	4.1	0.9	0.5
102.5°	24.8	18.9	12.6	7.2	3.2	0.5	0.5
105°	22.1	16.7	10.8	6.3	2.7	0.5	0.5
107.5°	19.8	14.9	9.5	5.4	1.8	0.5	0.5
110°	17.6	12.6	8.1	4.5	1.4	0.5	0.5

TEST NUMBER: P1213031

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	15.8	11.3	7.2	3.6	0.9	0.5	0.5
115°	14.0	9.9	6.3	3.2	0.9	0.5	0.5
117.5°	12.2	8.6	5.4	2.3	0.5	0.5	0.5
120°	10.8	7.7	4.5	1.8	0.5	0.5	0.5
122.5°	9.5	6.3	3.6	1.4	0.5	0.5	0.5
125°	8.1	5.4	3.2	0.9	0.5	0.5	0.5
127.5°	6.8	4.5	2.3	0.9	0.5	0.5	0.5
130°	5.9	3.6	1.8	0.5	0.5	0.5	0.5
132.5°	5.0	2.7	1.4	0.5	0.5	0.5	0.5
135°	4.1	2.3	0.9	0.5	0.5	0.5	0.5
137.5°	3.2	1.8	0.9	0.5	0.5	0.5	0.5
140°	2.3	1.4	0.5	0.5	0.5	0.5	0.5
142.5°	1.8	0.9	0.5	0.5	0.5	0.5	0.5
145°	1.4	0.9	0.5	0.5	0.5	0.5	0.5
147.5°	0.9	0.9	0.9	0.9	0.5	0.5	0.5
150°	0.9	0.9	0.5	0.5	0.9	0.5	0.5
152.5°	0.9	0.5	0.5	0.5	0.9	0.5	0.5
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.5
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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)