

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: P1213733

Luminaire Tested: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213733
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

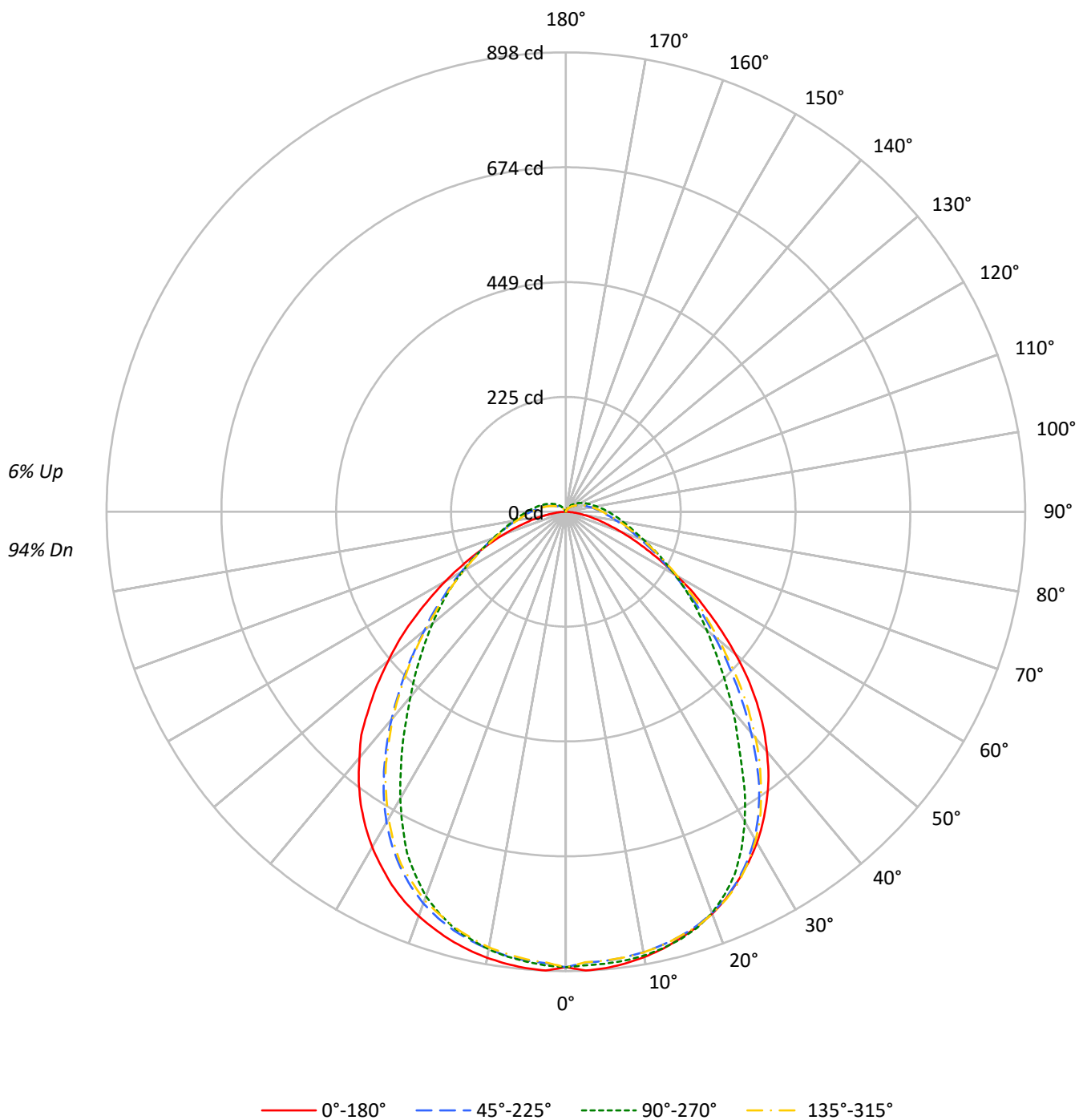
Lumens per Lamp: N/A
Luminaire Lumens: 2253.0 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7195	7195	7195	7195
5°	7245	6965	7245	6934
10°	7213	6780	7225	6686
15°	7167	6578	7199	6407
20°	7112	6317	7154	6050
25°	6997	5930	7075	5581
30°	6850	5363	6939	4965
35°	6619	4667	6746	4346
40°	6287	4082	6453	3787
45°	5850	3548	6040	3344
50°	5253	3117	5484	2960
55°	4544	2753	4874	2614
60°	3822	2417	4167	2278
65°	3132	2138	3448	1982
70°	2494	1897	2792	1754
75°	1957	1752	2203	1611
80°	1411	1690	1664	1544
85°	868	1700	1168	1562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 6040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	3.7
10°-20°	242.0	10.7
20°-30°	358.7	15.9
30°-40°	398.5	17.7
40°-50°	361.2	16.0
50°-60°	279.9	12.4
60°-70°	190.1	8.4
70°-80°	120.9	5.4
80°-90°	77.3	3.4
90°-100°	52.1	2.3
100°-110°	35.7	1.6
110°-120°	23.8	1.1
120°-130°	14.8	0.7
130°-140°	8.2	0.4
140°-150°	3.8	0.2
150°-160°	1.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	685.1	30.4
0°-40°	1083.6	48.1
0°-60°	1724.7	76.6
0°-90°	2113.0	93.8
90°-120°	111.6	5.0
90°-150°	138.5	6.1
90°-180°	140.0	6.2
0°-180°	2253.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	890	890	890	890	890	
5°	896	887	896	883	896	85
15°	864	865	868	843	864	244
25°	796	782	805	736	796	367
35°	686	597	699	556	686	428
45°	528	427	545	402	528	405
55°	337	300	361	285	337	303
65°	175	202	192	187	175	175
75°	70	135	79	124	70	75
85°	13	97	17	89	13	15
90°	0	84	1	76	0	1
95°	0	72	0	67	0	0
105°	0	52	0	50	0	1
115°	0	40	0	37	0	0
125°	0	29	0	26	0	0
135°	0	21	0	17	0	0
145°	0	13	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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3
2.5°	897.6	896.6	895.6	894.2	895.6	899.6	897.1	891.7	890.7	881.9	885.8
5°	895.6	894.2	893.2	891.7	893.7	898.6	896.1	891.2	889.8	881.4	885.8
7.5°	890.7	889.8	888.3	888.3	890.3	895.2	893.2	887.8	886.8	878.5	883.4
10°	883.9	883.4	882.4	882.4	884.4	890.3	887.8	882.9	881.9	874.1	879.5
12.5°	875.1	875.6	874.1	874.1	877.0	882.9	881.0	875.6	874.6	867.7	873.1
15°	863.8	864.3	863.3	863.8	866.7	873.6	871.2	866.3	865.3	859.9	864.3
17.5°	851.1	851.6	851.6	851.1	854.5	861.4	859.4	855.0	853.5	849.1	854.5
20°	836.4	836.4	836.4	836.4	840.3	847.2	844.7	841.3	838.3	834.9	839.3
22.5°	818.3	817.8	818.3	819.7	823.7	829.0	827.6	823.7	819.2	817.3	820.7
25°	796.2	797.7	798.2	799.7	804.6	809.0	807.5	803.6	796.7	795.3	796.2
27.5°	773.2	774.2	775.7	775.2	782.0	786.4	783.5	780.1	770.3	768.8	767.8
30°	747.3	748.7	749.7	749.2	754.6	759.5	756.6	752.2	738.9	738.0	730.1
32.5°	717.9	719.4	720.3	720.3	728.2	730.1	724.7	718.4	704.2	700.7	693.9
35°	685.6	687.0	687.5	687.5	695.4	694.9	688.0	679.2	663.5	659.1	647.4
37.5°	650.8	651.8	652.3	655.2	658.6	655.7	646.9	635.6	623.9	611.6	598.9
40°	611.6	613.1	614.1	616.0	619.5	616.0	603.3	589.6	576.9	563.1	550.4
42.5°	571.5	575.9	574.9	574.4	576.4	567.1	557.3	541.6	528.9	514.7	501.9
45°	527.9	527.4	529.8	530.8	530.3	522.5	508.8	494.6	481.9	467.2	456.4
47.5°	481.9	481.4	483.3	484.3	481.4	473.0	462.3	446.1	435.3	422.6	414.3
50°	433.4	433.4	436.3	433.4	431.9	423.6	414.8	398.6	390.3	379.0	374.1
52.5°	384.9	389.3	386.4	385.4	383.9	375.6	368.7	355.5	348.7	343.8	337.9
55°	336.9	341.8	339.8	338.4	337.9	331.0	324.7	314.9	310.5	307.0	303.6
57.5°	296.3	295.8	294.8	293.3	293.8	288.4	282.1	276.7	274.7	273.2	274.2
60°	249.3	253.2	251.7	252.2	252.7	251.7	246.3	242.9	243.4	243.9	245.3
62.5°	210.6	214.0	216.4	214.5	215.5	216.9	214.0	213.0	215.0	216.9	218.9
65°	174.8	178.2	180.7	180.2	183.1	186.1	185.6	186.6	191.0	193.4	195.9
67.5°	142.5	145.9	149.4	149.8	154.3	158.7	160.6	164.0	168.9	172.4	175.3
70°	114.6	117.5	121.4	123.9	129.8	135.6	139.1	145.9	148.9	153.8	155.7
72.5°	89.6	92.1	97.4	103.3	108.2	115.6	122.4	128.3	132.7	138.1	140.5
75°	70.0	71.0	76.9	83.7	90.6	98.9	106.3	112.6	118.5	123.9	127.8
77.5°	51.4	52.9	58.3	67.6	75.4	84.2	92.6	99.4	105.8	111.2	116.5
80°	35.7	38.7	44.6	53.9	62.7	72.5	80.3	88.1	95.0	100.4	105.8
82.5°	23.0	25.5	33.8	43.1	52.4	62.2	70.5	78.4	85.7	91.6	96.5
85°	12.7	16.2	24.5	34.3	43.6	53.4	62.2	70.0	77.4	82.8	87.7
87.5°	4.9	9.8	17.6	26.9	36.2	45.5	54.8	62.2	69.5	75.4	79.8
90°	0.0	5.9	13.2	22.5	31.8	41.1	49.9	57.8	64.6	70.0	74.9
92.5°	0.5	3.9	10.3	18.1	26.9	35.7	44.1	51.9	58.8	64.1	68.6
95°	0.5	2.9	8.3	15.7	23.5	31.8	39.7	47.0	53.4	58.8	63.2
97.5°	0.5	2.0	6.9	13.7	20.6	28.9	36.2	43.1	49.0	54.4	57.8
100°	0.5	2.0	5.9	11.8	18.6	26.0	32.8	39.7	45.1	49.5	53.4
102.5°	0.5	1.5	4.9	10.3	16.6	23.0	29.9	36.2	41.1	45.5	49.5
105°	0.5	1.5	4.4	8.8	14.7	21.1	26.9	32.8	38.2	42.1	45.5
107.5°	0.5	1.0	3.9	7.3	12.7	19.1	25.0	29.9	34.8	38.7	42.1
110°	0.5	1.0	3.4	6.9	11.3	17.1	22.5	27.4	31.8	35.7	38.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	1.0	2.9	6.4	10.3	15.2	20.6	25.0	29.4	32.8	35.7
115°	0.5	1.0	2.9	5.9	9.3	13.2	18.1	23.0	26.4	30.4	32.8
117.5°	0.5	1.0	2.4	4.9	8.8	12.2	16.6	20.6	24.5	27.9	30.4
120°	0.5	1.0	2.4	4.4	7.8	11.3	14.7	18.6	22.5	25.0	27.4
122.5°	0.5	1.0	2.0	4.4	6.9	10.3	13.2	16.6	20.1	23.0	25.5
125°	0.5	1.0	2.0	3.9	6.4	9.3	12.2	14.7	18.1	20.6	23.0
127.5°	0.5	1.0	2.0	3.4	5.9	8.3	11.3	13.7	16.2	18.6	20.6
130°	0.5	1.0	1.5	2.9	5.4	7.3	9.8	12.7	14.7	16.6	18.6
132.5°	0.5	1.0	1.5	2.9	4.4	6.4	8.8	11.3	13.2	15.2	16.6
135°	0.5	1.0	1.5	2.4	3.9	5.9	7.3	9.8	11.8	13.7	15.2
137.5°	0.5	1.0	1.5	2.4	3.4	4.9	6.4	8.3	10.3	11.8	13.7
140°	0.5	1.0	1.5	2.0	2.9	4.4	5.9	6.9	8.8	10.3	11.8
142.5°	0.5	1.0	1.5	2.0	2.9	3.9	4.9	5.9	7.3	8.8	10.3
145°	0.5	1.0	1.5	2.0	2.4	3.4	4.4	5.4	5.9	7.3	8.3
147.5°	0.5	1.0	1.5	2.0	2.0	2.9	3.9	4.4	5.4	5.9	6.9
150°	0.5	1.0	1.5	1.5	2.0	2.4	3.4	3.9	4.4	5.4	5.9
152.5°	0.5	1.0	1.5	1.5	2.0	2.4	2.9	3.4	3.9	4.4	4.9
155°	0.5	1.0	1.5	1.5	1.5	2.0	2.4	2.9	3.4	3.9	4.4
157.5°	1.0	1.0	1.0	1.5	1.5	2.0	2.0	2.4	2.9	2.9	3.4
160°	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.4	2.4	2.9
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

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3
2.5°	884.9	886.3	890.7	890.7	889.8	888.8	888.8	887.3	888.3	890.3	889.3
5°	884.9	886.3	890.7	890.7	889.8	888.8	888.3	886.8	888.3	890.3	889.3
7.5°	881.9	883.9	888.3	888.3	887.3	886.8	885.8	884.9	886.3	888.3	887.3
10°	878.0	880.0	884.4	884.4	883.4	883.4	881.9	881.0	882.9	884.4	883.9
12.5°	872.1	874.6	878.5	878.0	877.0	877.5	876.1	874.1	876.1	877.5	878.0
15°	863.8	866.7	870.7	869.7	868.2	869.2	866.7	865.3	866.7	869.7	869.2
17.5°	853.0	855.0	857.9	857.9	856.5	855.5	854.5	853.0	854.0	856.0	856.5
20°	837.9	840.3	841.8	840.3	839.8	838.3	836.4	834.9	836.9	839.8	840.3
22.5°	817.8	818.3	821.7	818.3	815.8	815.3	813.4	810.4	813.4	815.8	816.3
25°	792.8	795.3	793.8	787.9	787.9	784.0	783.0	781.5	782.0	786.4	788.4
27.5°	761.0	762.0	758.0	753.1	748.7	746.3	742.9	743.3	743.3	749.2	751.2
30°	726.2	720.8	717.4	709.6	706.1	700.3	699.3	699.3	698.3	701.2	710.0
32.5°	684.6	677.2	671.9	664.5	658.6	652.8	649.8	651.3	650.8	658.1	661.1
35°	639.0	634.6	623.4	614.1	610.6	601.8	601.8	597.4	600.4	608.7	612.1
37.5°	591.1	584.2	574.9	564.6	562.2	555.3	552.9	550.4	556.8	558.2	561.7
40°	542.1	535.7	526.9	517.1	517.1	508.8	508.8	508.8	509.3	512.2	518.6
42.5°	495.6	488.7	480.9	474.0	473.0	466.7	466.7	466.2	467.2	469.6	475.5
45°	450.5	445.1	436.8	433.4	433.9	427.0	428.5	427.0	429.0	431.4	433.4
47.5°	408.9	405.5	402.0	397.1	395.7	395.2	392.7	390.8	394.2	394.2	397.1
50°	370.2	368.2	366.3	363.3	363.8	361.9	358.9	358.9	361.4	361.9	363.8
52.5°	336.4	334.0	331.5	332.0	332.5	331.5	330.1	328.6	330.1	331.0	333.5
55°	302.6	300.7	303.1	302.1	303.1	302.1	301.2	300.2	302.6	301.2	303.6
57.5°	272.3	274.2	275.2	273.2	274.7	273.7	274.2	272.8	274.7	275.7	275.2
60°	244.4	247.3	245.8	246.3	248.3	247.3	245.3	246.8	248.8	249.3	248.8
62.5°	218.9	222.3	223.8	222.8	223.3	222.3	223.8	221.8	224.3	225.3	223.8
65°	195.9	199.8	200.8	200.8	200.8	199.8	201.3	201.8	202.7	202.7	201.8
67.5°	176.3	179.7	180.7	181.7	180.7	179.7	179.7	180.2	182.2	183.1	182.2
70°	158.7	162.1	162.6	162.6	163.1	164.0	162.1	163.1	164.5	165.0	164.5
72.5°	143.5	146.9	147.9	147.4	147.9	148.4	148.4	147.4	148.9	149.8	149.8
75°	131.2	133.2	134.2	134.2	134.7	135.2	135.2	134.7	135.6	136.1	136.6
77.5°	120.0	121.4	122.9	122.9	123.4	122.9	123.9	123.9	124.4	124.9	125.4
80°	108.7	110.7	111.6	112.1	113.1	113.6	113.6	113.6	114.1	114.6	114.6
82.5°	99.9	101.4	102.8	104.3	104.3	104.8	104.8	104.8	105.3	105.3	105.8
85°	91.1	93.0	94.5	95.5	96.0	96.5	96.5	97.0	97.0	97.0	97.4
87.5°	83.2	85.7	86.7	87.7	88.1	89.1	89.1	89.1	89.6	89.6	89.6
90°	77.9	80.3	81.3	82.3	82.8	83.2	83.2	83.7	83.7	84.2	84.2
92.5°	71.5	73.9	75.9	75.9	76.4	77.4	76.9	76.9	77.4	77.9	77.9
95°	66.6	68.6	70.0	70.5	71.0	71.0	71.0	71.5	71.0	71.5	71.5
97.5°	60.7	62.7	64.1	65.1	65.6	65.6	65.6	66.1	65.6	66.1	66.1
100°	55.8	57.8	59.3	59.7	60.7	60.7	60.7	60.7	60.7	60.7	61.2
102.5°	51.9	53.9	54.8	55.3	55.8	56.3	56.3	56.3	56.3	56.8	56.8
105°	48.0	49.9	50.9	51.4	51.9	52.4	52.4	52.4	52.9	52.9	52.4
107.5°	44.6	46.0	47.0	48.0	48.5	48.5	49.0	49.0	49.0	49.0	49.0
110°	41.1	42.6	44.1	45.1	45.1	45.5	45.5	46.0	46.0	45.5	46.0



TEST NUMBER: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	37.7	39.7	40.6	41.6	42.1	42.6	42.6	42.6	42.6	42.6	42.6
115°	34.8	36.7	37.7	38.7	39.2	39.7	39.7	39.7	39.7	39.7	39.7
117.5°	32.3	34.3	35.3	35.7	36.2	36.7	37.2	37.2	37.2	37.2	36.7
120°	29.9	31.3	32.3	33.3	33.8	34.3	34.3	34.3	34.3	34.3	34.3
122.5°	27.4	28.9	29.9	30.9	31.3	31.8	31.8	31.8	31.8	31.8	31.8
125°	25.0	26.4	27.4	28.4	28.9	29.4	29.4	29.4	29.4	29.4	29.4
127.5°	22.5	24.0	25.5	26.0	26.4	26.9	26.9	26.9	27.4	26.9	26.9
130°	20.1	21.5	23.0	23.5	24.0	24.5	25.0	25.0	25.0	25.0	24.5
132.5°	18.1	19.6	20.6	21.1	22.0	22.0	22.5	22.5	22.5	22.5	22.0
135°	16.6	17.6	18.6	19.1	20.1	20.1	20.1	20.6	20.6	20.1	19.6
137.5°	14.7	15.7	16.6	17.1	17.6	18.1	18.1	18.6	18.1	18.1	18.1
140°	13.7	14.2	15.2	15.7	16.2	16.2	16.2	16.6	16.6	16.2	16.2
142.5°	11.8	12.7	13.7	14.2	14.7	14.7	14.7	14.7	14.7	14.7	14.7
145°	9.8	11.3	11.8	12.7	12.7	13.2	13.2	13.2	13.2	13.2	12.7
147.5°	8.3	9.3	10.8	11.3	11.3	11.8	11.8	11.8	11.8	11.8	11.3
150°	6.4	7.3	8.8	9.8	9.8	10.3	10.3	10.3	10.3	9.8	9.8
152.5°	5.4	6.4	6.9	7.8	8.3	8.3	8.3	8.8	8.3	8.3	8.3
155°	4.9	5.4	5.9	6.4	6.9	7.3	7.3	7.3	7.3	6.9	6.9
157.5°	3.9	4.4	4.9	5.4	5.9	6.4	6.4	6.4	6.4	6.4	5.9
160°	2.9	3.4	3.9	3.9	4.4	4.9	5.4	4.9	4.9	4.9	4.9
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: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3
2.5°	888.3	887.8	889.3	886.8	879.5	881.4	880.5	884.9	885.8	886.8	891.2
5°	888.3	887.8	888.8	886.8	879.0	880.5	879.5	883.9	884.9	885.4	889.8
7.5°	886.3	885.8	887.3	884.9	876.5	878.5	877.0	881.4	881.9	882.4	886.3
10°	882.4	881.9	882.9	881.0	872.6	874.6	872.6	877.0	877.0	878.0	881.0
12.5°	876.5	875.6	877.5	875.1	865.8	868.2	867.2	870.2	870.7	871.2	874.1
15°	868.2	867.2	868.7	867.2	858.9	859.4	857.9	862.3	862.8	861.9	864.8
17.5°	856.0	855.0	857.9	857.0	848.6	850.6	850.1	851.1	852.5	850.1	854.0
20°	840.8	841.8	842.8	843.2	836.9	836.9	836.4	838.3	839.8	837.9	840.8
22.5°	818.3	820.7	823.7	824.6	820.2	819.7	822.7	821.7	823.2	822.2	824.1
25°	789.9	794.8	797.7	800.6	798.2	799.2	803.6	804.6	804.6	804.1	806.0
27.5°	754.6	761.0	766.4	772.7	770.3	772.2	779.6	780.6	782.5	780.6	784.5
30°	712.5	718.4	728.7	738.0	738.9	741.9	752.2	753.1	758.5	756.6	758.0
32.5°	670.4	673.3	685.1	694.4	700.3	707.6	718.9	720.8	728.2	729.6	729.6
35°	617.5	625.8	636.6	649.8	657.2	665.0	680.2	683.1	693.9	697.3	701.2
37.5°	572.9	580.8	587.6	601.3	614.6	623.4	635.6	643.0	654.2	660.6	665.5
40°	525.4	531.8	539.1	552.9	564.1	577.3	589.6	598.4	612.6	619.9	626.3
42.5°	480.4	485.3	493.1	502.9	514.7	529.4	541.1	551.4	566.6	576.9	584.2
45°	440.2	443.2	450.0	457.4	467.7	482.8	494.1	507.3	519.6	530.3	539.1
47.5°	402.5	406.4	409.9	414.8	424.1	433.4	446.6	459.3	471.6	483.3	492.1
50°	367.8	367.8	373.1	376.6	382.9	391.3	401.5	410.4	425.5	433.9	445.1
52.5°	334.0	335.9	338.9	340.8	345.7	351.1	359.4	366.8	379.5	387.3	398.1
55°	304.1	306.1	307.5	308.5	311.4	317.8	320.7	326.6	335.4	341.8	351.1
57.5°	275.7	276.7	278.1	278.6	279.1	283.0	285.5	287.0	295.8	302.1	310.0
60°	249.7	249.7	251.2	250.7	250.2	252.2	251.7	253.2	258.6	262.5	265.9
62.5°	225.3	225.3	225.7	224.8	224.3	224.3	222.3	223.8	225.3	225.7	228.2
65°	202.7	205.2	203.2	203.7	200.8	199.8	198.8	195.9	195.4	193.4	194.4
67.5°	182.7	184.6	182.7	182.7	180.2	178.2	175.8	170.9	169.4	165.5	164.5
70°	166.5	165.0	166.0	164.5	161.6	159.1	155.7	151.8	146.9	142.0	138.6
72.5°	150.8	150.8	149.8	148.4	146.9	142.0	138.1	133.7	127.8	121.4	116.5
75°	135.6	136.1	136.1	134.7	132.2	127.8	123.4	117.0	110.7	103.3	97.0
77.5°	124.9	124.9	124.9	122.4	120.0	116.1	110.7	103.8	97.0	88.1	80.8
80°	114.6	114.1	114.1	111.2	108.7	104.3	98.9	92.1	84.7	75.4	67.1
82.5°	106.3	105.8	104.8	102.3	98.9	94.5	89.1	81.8	73.9	65.6	55.3
85°	97.4	97.0	96.0	93.5	90.1	86.2	80.3	73.0	65.1	55.8	46.0
87.5°	89.6	89.1	87.7	86.2	82.3	77.9	72.0	65.1	56.8	48.0	38.2
90°	84.2	83.2	82.3	80.3	76.9	72.0	66.1	58.8	50.4	41.6	31.8
92.5°	77.9	77.4	75.9	73.9	71.0	66.1	60.2	53.4	45.1	36.7	27.4
95°	71.5	71.0	70.0	68.1	65.1	60.7	55.3	48.5	40.6	32.3	24.0
97.5°	65.6	65.6	64.1	62.7	59.3	55.8	50.4	44.1	36.7	29.4	21.5
100°	60.7	60.7	59.3	57.3	54.8	51.4	46.0	40.2	33.3	26.4	18.6
102.5°	56.3	55.8	54.8	52.9	50.4	47.0	42.1	36.7	30.4	23.5	16.6
105°	52.4	51.9	50.9	49.0	47.0	43.1	39.2	33.8	27.4	21.1	14.7
107.5°	48.5	48.0	47.5	45.5	43.1	39.7	35.7	30.4	25.0	19.1	13.2
110°	45.1	44.6	43.6	41.6	39.2	36.2	32.3	27.9	22.5	17.1	11.8

TEST NUMBER: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	42.1	41.6	40.6	38.7	36.7	33.3	29.9	25.0	20.6	15.7	10.3
115°	39.2	38.7	37.7	35.7	33.3	30.4	26.9	23.0	18.1	13.7	9.3
117.5°	36.2	35.7	34.8	33.3	30.9	27.9	24.5	20.6	16.2	12.7	8.3
120°	33.8	32.8	31.8	30.4	27.9	25.5	22.0	18.6	14.7	11.3	7.3
122.5°	31.3	30.4	29.4	27.9	25.5	23.0	19.6	16.6	13.7	10.3	6.9
125°	28.4	27.9	26.9	25.5	23.0	20.6	18.1	15.2	12.2	9.3	5.9
127.5°	26.0	25.5	24.5	22.5	20.6	18.6	16.2	13.7	10.8	7.8	5.4
130°	24.0	23.0	22.0	20.6	19.1	17.1	14.7	12.2	9.8	6.9	4.9
132.5°	21.5	20.6	19.6	18.6	17.1	15.2	13.2	10.8	8.8	6.4	4.4
135°	19.6	18.6	17.6	16.6	15.2	13.7	11.8	9.8	7.8	5.9	3.9
137.5°	17.1	16.6	16.2	15.2	13.7	12.2	10.8	8.3	6.9	5.4	3.4
140°	15.7	15.2	14.7	13.2	12.2	10.8	9.3	7.3	5.9	4.4	2.9
142.5°	14.2	13.7	12.7	11.8	10.8	9.8	7.8	6.9	5.4	3.9	2.9
145°	12.2	11.8	11.3	10.3	9.3	7.8	6.9	5.9	4.9	3.4	2.4
147.5°	11.3	10.8	9.8	8.8	7.8	6.9	6.4	5.4	3.9	2.9	2.0
150°	9.3	8.8	8.3	7.3	6.9	6.4	5.4	4.4	3.4	2.4	2.0
152.5°	7.8	7.3	6.9	6.9	5.9	5.4	4.4	3.9	2.9	2.4	1.5
155°	6.9	6.9	6.4	5.9	4.9	4.4	3.9	2.9	2.4	2.0	1.5
157.5°	5.9	5.4	4.9	4.9	4.4	3.9	2.9	2.4	2.0	2.0	1.5
160°	4.9	4.4	4.4	3.9	3.4	2.9	2.4	2.4	2.0	1.5	1.5
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: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3
2.5°	891.7	886.3	891.2	897.6	897.6	896.6	895.6	897.6	902.5	900.5	894.7
5°	890.3	884.9	889.3	895.6	895.6	894.2	893.2	894.7	900.0	897.6	892.2
7.5°	887.3	882.4	885.4	891.2	891.2	889.8	888.8	890.7	895.2	892.7	886.8
10°	881.9	876.5	880.0	885.4	884.9	883.9	882.4	884.9	888.8	885.4	878.5
12.5°	875.1	869.7	872.6	877.5	877.0	875.1	874.1	875.6	879.0	877.0	869.7
15°	865.8	860.4	862.8	867.7	866.3	864.8	862.8	863.3	867.7	864.3	856.5
17.5°	854.5	848.6	850.6	855.0	853.5	852.1	849.6	850.1	855.0	850.1	841.8
20°	840.8	834.4	835.9	841.3	838.8	836.4	833.9	833.9	838.8	833.5	824.1
22.5°	826.1	819.7	820.7	824.6	822.7	818.3	815.8	817.3	819.7	812.9	803.1
25°	808.0	799.7	801.1	805.0	803.6	797.7	795.3	796.2	795.3	789.9	779.6
27.5°	786.9	778.1	779.1	781.5	779.6	774.2	771.3	771.7	769.8	762.9	751.2
30°	760.5	756.1	755.6	757.1	754.1	748.7	745.3	744.3	743.8	734.0	719.8
32.5°	733.6	729.6	727.2	729.1	725.7	720.3	714.5	714.5	709.6	700.3	688.0
35°	706.1	699.8	697.3	698.8	694.9	688.0	683.1	680.7	673.3	661.6	648.3
37.5°	670.9	666.5	663.5	665.0	660.6	655.7	646.4	643.9	636.1	619.9	603.3
40°	632.7	629.3	626.3	627.8	622.9	615.5	607.2	603.3	594.5	576.4	563.1
42.5°	591.5	590.1	586.6	592.0	582.2	574.9	566.6	560.2	551.4	531.8	516.6
45°	548.0	551.4	543.6	545.0	538.7	532.3	523.5	514.2	505.4	486.8	469.6
47.5°	501.9	504.4	499.0	500.0	493.1	487.2	479.4	467.7	457.9	441.7	426.5
50°	454.4	453.5	453.5	452.5	447.1	439.7	431.9	421.1	411.3	396.6	383.9
52.5°	404.0	406.0	406.9	409.4	402.5	398.1	385.9	376.6	369.2	354.0	343.3
55°	355.5	362.4	360.4	361.4	353.6	350.1	340.3	333.0	322.2	313.4	306.5
57.5°	311.4	312.9	313.9	315.4	311.9	305.1	297.2	291.4	283.0	275.7	270.8
60°	268.8	268.8	269.3	271.8	268.3	262.5	256.6	252.2	246.3	241.9	239.0
62.5°	228.7	232.1	232.6	230.6	226.2	223.3	219.4	216.9	213.0	211.5	210.6
65°	191.5	191.5	191.5	192.4	190.0	188.0	185.6	185.1	186.6	184.6	185.6
67.5°	160.1	158.7	157.7	158.2	157.2	156.2	155.7	157.2	160.1	160.1	162.6
70°	133.2	130.3	128.3	128.3	128.3	128.8	130.3	133.2	138.1	140.1	143.5
72.5°	111.2	104.8	101.9	101.9	102.3	104.3	108.7	114.1	118.5	122.4	126.8
75°	90.1	83.7	79.3	78.8	79.8	82.8	89.1	94.0	101.4	106.8	112.1
77.5°	73.0	65.1	59.7	59.3	60.7	65.1	73.0	79.3	87.7	93.5	99.4
80°	58.3	49.5	45.1	42.1	44.6	49.9	58.8	66.6	74.4	82.3	89.6
82.5°	46.5	38.2	31.3	28.4	31.3	38.7	47.0	56.3	64.1	72.5	79.8
85°	36.7	27.9	20.1	17.1	20.6	28.4	37.7	47.0	55.8	64.1	71.5
87.5°	28.9	20.1	12.2	8.3	12.7	21.1	29.9	39.2	48.5	56.8	64.1
90°	22.5	14.2	6.9	1.0	7.3	15.2	24.0	32.8	42.1	50.4	57.8
92.5°	19.1	10.8	3.9	0.0	4.4	11.3	19.6	28.4	36.7	45.1	52.4
95°	16.2	8.8	2.9	0.0	2.9	8.8	16.2	24.0	32.3	40.6	48.0
97.5°	13.7	6.9	2.0	0.0	2.0	6.9	13.2	21.1	28.4	36.2	43.1
100°	11.8	5.9	1.5	0.0	1.5	5.4	11.3	18.1	25.5	32.8	39.2
102.5°	10.3	4.9	1.0	0.0	1.0	4.4	9.3	15.7	22.0	28.9	35.3
105°	8.8	3.9	1.0	0.0	0.5	3.4	7.8	13.7	19.6	26.0	31.8
107.5°	7.8	3.4	1.0	0.0	0.5	2.9	6.9	11.8	17.6	23.0	28.4
110°	6.9	2.9	1.0	0.0	0.5	2.0	5.9	10.3	15.2	20.6	26.0

TEST NUMBER: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	5.9	2.4	0.5	0.0	0.0	1.5	4.9	8.8	13.2	18.6	23.0
115°	5.4	2.4	0.5	0.0	0.0	1.0	3.9	7.8	11.8	16.6	20.6
117.5°	4.9	2.0	0.5	0.0	0.5	1.0	3.4	6.9	10.3	14.2	18.6
120°	4.4	2.0	0.5	0.0	0.5	0.5	2.4	5.9	8.8	12.7	16.2
122.5°	3.9	2.0	0.5	0.0	0.5	0.5	2.0	4.9	7.8	11.3	14.2
125°	3.4	1.5	1.0	0.5	0.5	0.5	1.5	3.9	6.9	9.3	12.7
127.5°	3.4	1.5	1.0	0.5	0.5	0.5	1.0	3.4	5.4	8.3	11.3
130°	2.9	1.5	1.0	0.5	0.5	0.5	0.5	2.4	4.9	6.9	9.3
132.5°	2.4	1.5	1.0	0.5	0.5	0.5	0.5	1.5	3.4	5.9	7.8
135°	2.4	1.5	1.0	0.5	0.5	0.5	0.5	1.0	2.4	4.4	6.4
137.5°	2.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	2.0	3.4	4.9
140°	2.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.5	2.4	3.9
142.5°	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	2.0	2.9
145°	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.0
147.5°	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5
150°	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
152.5°	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
155°	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
157.5°	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
160°	1.5	1.0	1.0	0.5	1.0	0.5	1.0	1.0	1.0	1.0	1.0
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: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3
2.5°	892.7	883.4	888.3	886.8	888.8	892.7	892.2	891.2	891.2	889.8	887.8
5°	889.8	881.0	885.4	882.9	885.4	888.8	888.3	886.8	887.8	885.4	882.9
7.5°	883.9	876.1	880.0	878.0	880.0	883.4	881.9	881.4	882.4	878.5	877.0
10°	877.0	868.2	872.6	870.2	872.6	875.1	874.1	872.1	874.1	870.2	868.7
12.5°	866.3	858.9	861.9	860.9	862.3	864.8	862.8	861.4	862.3	858.9	856.0
15°	854.5	847.2	849.6	848.1	849.1	852.1	848.6	848.1	847.2	843.7	842.8
17.5°	839.3	832.5	834.9	832.5	833.9	833.0	832.5	830.0	830.0	826.1	823.2
20°	820.7	814.8	813.4	811.4	813.4	811.4	808.5	806.5	806.0	802.1	799.7
22.5°	799.2	792.3	793.3	787.9	788.4	785.5	780.6	778.6	776.6	772.2	768.8
25°	773.2	766.4	761.5	758.0	753.6	753.1	746.8	741.9	741.4	736.0	735.5
27.5°	743.8	736.0	732.1	723.8	718.4	714.0	708.6	703.7	701.2	695.4	691.4
30°	710.0	701.2	691.4	685.6	677.2	673.8	664.5	658.6	656.7	650.3	647.4
32.5°	671.9	662.5	654.7	643.5	634.1	629.3	619.9	614.1	611.6	604.8	600.8
35°	630.2	619.9	610.6	599.9	592.5	584.2	572.9	567.1	561.7	559.2	556.3
37.5°	586.6	575.4	564.6	553.8	547.5	537.7	527.9	524.0	517.6	515.2	512.2
40°	541.6	530.3	520.0	509.8	502.4	493.6	484.8	483.3	476.5	474.0	472.1
42.5°	497.0	485.3	473.5	466.2	460.8	452.0	446.1	444.6	438.8	437.3	437.3
45°	456.9	442.2	432.4	426.0	421.6	414.3	409.4	408.4	403.5	402.5	402.5
47.5°	413.8	400.1	392.7	388.8	384.9	379.5	376.6	376.6	371.7	370.7	370.2
50°	373.6	360.9	355.5	351.6	351.1	347.2	344.7	343.8	343.8	340.3	340.8
52.5°	335.4	329.1	324.7	322.2	319.3	316.8	314.9	314.9	313.4	311.0	311.9
55°	300.2	292.8	293.3	291.4	289.9	288.4	288.9	286.0	285.5	283.5	285.0
57.5°	264.9	264.9	263.9	262.5	260.0	261.0	261.0	261.0	258.6	257.1	258.6
60°	235.1	236.5	234.1	235.5	234.6	235.1	234.1	234.1	232.6	232.1	232.6
62.5°	208.6	211.1	210.1	212.0	211.1	211.5	212.5	210.6	209.6	208.6	209.6
65°	185.1	188.0	187.6	189.0	189.5	190.0	190.5	189.5	188.5	187.6	187.1
67.5°	164.5	167.5	169.4	169.9	170.4	171.9	171.4	170.4	169.4	168.0	167.5
70°	145.9	149.8	152.3	153.3	155.2	154.3	154.3	153.8	152.8	151.3	150.8
72.5°	130.3	134.7	137.1	138.1	140.1	140.1	139.6	139.1	138.1	136.6	136.1
75°	116.5	120.5	123.9	125.9	127.3	127.3	126.8	126.3	125.4	124.4	123.9
77.5°	105.8	109.2	112.1	114.6	115.6	116.1	115.6	114.6	114.6	114.1	113.6
80°	95.0	98.9	101.9	104.3	105.8	105.8	105.3	105.8	104.8	104.3	103.8
82.5°	85.7	90.1	93.5	96.0	97.0	97.4	97.0	97.4	96.5	96.5	96.5
85°	77.4	81.8	85.7	87.7	89.1	89.6	89.6	89.6	89.1	89.1	89.1
87.5°	70.5	74.9	78.8	80.8	82.3	82.8	82.8	83.2	82.3	82.3	82.3
90°	64.1	68.6	72.5	74.4	75.9	76.9	76.9	77.4	76.9	76.4	76.4
92.5°	58.3	63.2	67.1	69.0	70.5	72.0	72.0	72.5	71.5	71.5	71.5
95°	53.4	58.3	61.7	64.1	65.6	66.6	67.1	67.1	66.6	66.6	66.6
97.5°	49.0	53.4	56.8	59.3	60.7	61.2	61.7	62.2	61.7	61.7	61.7
100°	44.6	49.0	52.4	54.4	56.3	56.8	57.3	57.8	57.8	57.3	57.3
102.5°	40.6	45.1	48.0	50.4	51.9	52.9	53.4	53.4	53.4	53.4	53.4
105°	36.7	41.1	44.1	46.5	48.0	49.0	49.5	49.9	49.9	49.5	49.5
107.5°	33.3	37.2	40.6	42.6	44.6	45.5	46.0	46.0	46.5	46.0	46.0
110°	29.9	34.3	37.2	39.2	41.1	42.1	42.6	43.1	43.1	43.1	43.1



TEST NUMBER: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	27.4	30.9	33.8	35.7	37.7	38.7	39.2	39.7	40.2	39.7	39.7
115°	24.5	27.9	30.9	32.8	34.3	35.3	36.2	36.7	36.7	37.2	36.7
117.5°	22.0	25.0	27.9	29.9	31.3	32.8	33.3	33.8	34.3	33.8	33.8
120°	19.6	22.5	25.0	26.9	28.4	29.9	30.4	30.9	31.3	30.9	30.9
122.5°	17.6	20.1	22.5	24.5	26.0	26.9	27.9	27.9	28.4	28.4	28.4
125°	15.7	18.1	20.1	22.0	23.5	24.5	25.0	25.5	25.5	26.0	26.0
127.5°	13.7	15.7	18.1	19.6	21.1	22.0	22.5	23.0	23.0	23.5	23.5
130°	11.8	13.7	15.7	17.1	18.6	19.6	20.1	20.6	21.1	21.1	21.1
132.5°	10.3	12.2	13.7	15.2	16.2	17.1	18.1	18.6	18.6	18.6	18.6
135°	8.3	10.3	11.8	13.2	14.2	15.2	15.7	16.6	16.6	16.6	16.6
137.5°	6.9	8.8	10.3	11.3	12.2	13.2	13.7	14.2	14.7	14.7	14.7
140°	5.4	6.9	8.3	9.8	10.8	11.3	12.2	12.2	12.7	12.7	12.7
142.5°	3.9	5.4	6.4	7.8	8.8	9.8	10.3	10.8	10.8	10.8	10.8
145°	2.9	3.9	4.9	5.9	7.3	7.8	8.3	8.8	9.3	9.3	9.3
147.5°	2.0	2.9	3.4	4.4	5.4	6.4	6.9	7.3	7.8	7.8	7.8
150°	1.5	2.0	2.9	3.4	3.9	4.9	5.9	5.9	6.4	6.4	5.9
152.5°	1.0	1.5	2.0	2.4	2.9	3.4	4.4	4.4	4.9	4.9	4.9
155°	1.0	1.0	1.0	1.5	2.0	2.4	2.9	3.4	3.4	3.4	3.4
157.5°	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.4	2.4	2.4	2.4
160°	1.0	1.0	0.5	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5
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: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3	890.3
2.5°	889.3	890.3	890.3	889.3	888.8	890.7	888.3	879.0	881.9	882.9	885.8
5°	884.9	885.8	885.8	885.8	884.9	886.8	884.4	875.1	878.5	880.0	881.9
7.5°	878.5	879.0	880.0	879.5	878.5	881.4	879.0	869.7	872.1	874.6	877.0
10°	870.2	870.2	870.7	871.6	870.7	873.1	870.7	862.3	864.8	866.3	869.2
12.5°	858.9	859.9	860.4	859.9	859.4	861.4	860.4	852.5	853.5	856.5	859.4
15°	843.7	843.7	846.2	845.2	845.2	847.2	848.1	839.3	840.8	845.2	848.1
17.5°	825.1	825.6	827.6	828.6	828.1	831.5	832.0	825.1	824.6	830.0	833.0
20°	801.1	802.1	804.6	806.5	806.5	810.4	811.9	807.5	808.0	813.9	814.8
22.5°	771.7	771.7	776.2	779.1	781.5	784.0	788.4	784.5	784.5	792.3	796.7
25°	735.5	738.9	740.4	746.3	749.7	756.6	760.5	761.0	761.5	768.8	771.7
27.5°	695.4	696.3	700.7	707.6	711.5	717.9	725.2	726.7	729.1	738.9	743.3
30°	649.8	652.8	654.7	664.5	669.9	678.2	687.5	691.0	692.9	706.1	711.5
32.5°	603.3	604.3	612.6	618.0	624.4	633.2	643.9	650.3	654.2	667.9	675.8
35°	556.8	558.7	565.6	572.4	578.8	587.6	598.9	607.7	614.6	626.8	637.1
37.5°	514.2	519.1	520.5	527.4	532.3	541.1	548.9	561.7	568.5	581.3	594.5
40°	476.0	477.4	478.4	485.3	488.7	497.0	508.3	516.6	525.9	535.2	550.9
42.5°	438.3	439.3	440.7	444.6	448.6	454.4	462.8	471.1	480.9	494.6	504.9
45°	403.5	404.5	405.5	407.9	411.3	416.7	422.1	428.0	437.8	449.5	460.3
47.5°	371.2	373.1	373.1	373.6	376.1	380.5	384.4	391.8	397.1	403.5	415.7
50°	340.3	341.8	342.3	342.3	343.8	346.7	347.7	352.6	357.5	363.3	372.2
52.5°	311.4	311.4	311.0	312.9	312.9	314.9	315.4	318.3	321.7	328.1	332.0
55°	284.0	284.0	285.5	284.5	284.5	285.5	285.0	285.5	288.4	292.3	295.8
57.5°	257.6	257.1	258.6	257.6	257.1	258.1	259.0	257.1	257.6	261.5	261.5
60°	231.1	231.6	233.1	232.1	232.1	232.1	231.1	230.2	229.2	231.6	232.6
62.5°	210.1	208.6	210.1	208.6	209.6	209.1	208.1	206.2	206.6	205.7	204.7
65°	188.0	188.0	188.5	187.1	188.0	188.0	186.6	186.1	183.1	182.2	179.7
67.5°	168.9	168.9	169.4	168.5	168.5	168.9	167.5	166.0	163.1	161.6	158.2
70°	152.3	152.3	152.3	151.8	151.8	151.8	150.8	148.9	145.9	143.5	139.1
72.5°	137.1	137.6	137.1	137.1	138.6	137.1	135.6	133.7	131.2	126.3	122.4
75°	124.9	125.4	124.9	124.9	124.9	124.4	123.9	121.0	118.0	114.1	108.2
77.5°	114.1	114.1	114.6	114.1	114.1	113.6	112.1	109.7	106.3	102.8	96.0
80°	103.8	104.3	104.8	105.3	104.3	103.8	102.3	100.4	96.0	92.1	85.2
82.5°	96.5	96.0	96.5	97.0	96.0	95.5	94.0	91.6	88.1	82.8	75.9
85°	89.1	88.6	88.6	89.1	88.6	87.7	86.2	83.7	80.3	74.9	68.1
87.5°	81.8	82.3	82.8	82.3	81.8	80.8	79.3	76.9	73.0	68.6	61.2
90°	76.4	76.4	76.4	76.4	75.9	74.9	73.5	70.5	67.1	61.7	55.3
92.5°	71.5	71.5	71.5	71.5	71.0	69.5	68.1	65.6	61.7	56.3	50.4
95°	66.6	67.1	66.6	66.6	65.6	65.1	62.7	60.2	56.8	51.4	45.1
97.5°	61.2	61.7	61.2	61.2	60.7	59.7	58.3	55.3	51.9	47.0	41.1
100°	57.3	57.3	56.8	56.8	56.3	55.3	53.4	50.9	47.5	42.6	36.7
102.5°	52.9	53.4	52.9	52.9	51.9	50.9	49.5	47.0	43.6	38.7	33.3
105°	49.5	49.5	49.0	49.0	48.0	47.0	45.5	42.6	39.7	35.3	29.9
107.5°	46.0	46.0	45.5	45.5	44.6	43.6	41.6	39.2	36.2	31.8	26.9
110°	42.6	42.6	42.6	42.1	41.1	39.7	38.2	35.7	32.8	28.9	24.0

TEST NUMBER: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	40.2	39.7	39.2	38.7	37.7	36.7	34.8	32.3	29.4	26.0	21.5
115°	36.7	36.7	36.2	35.7	34.8	33.3	31.8	29.9	26.9	23.0	19.1
117.5°	33.8	33.8	33.3	32.8	31.8	30.4	28.9	26.9	24.0	20.6	17.1
120°	30.9	30.9	30.4	29.9	28.9	27.4	26.4	24.0	21.5	18.1	15.2
122.5°	28.4	27.9	27.9	26.9	26.4	25.0	23.5	21.5	19.1	16.2	13.2
125°	25.5	25.5	25.0	24.5	24.0	22.5	21.1	19.1	16.6	14.2	11.8
127.5°	23.0	23.0	22.5	22.0	21.5	20.1	18.6	17.1	14.7	12.2	9.8
130°	20.6	20.6	20.1	19.6	19.1	17.6	16.6	14.7	12.7	10.8	8.3
132.5°	18.6	18.6	18.1	17.6	16.6	15.7	14.7	12.7	11.3	9.3	7.3
135°	16.6	16.2	16.2	15.7	14.7	13.7	12.7	11.3	9.3	7.8	5.9
137.5°	14.7	14.2	13.7	13.2	12.7	11.8	10.8	9.8	8.3	6.4	4.9
140°	12.7	12.2	12.2	11.8	10.8	10.3	9.3	7.8	6.9	5.4	3.9
142.5°	10.8	10.8	10.3	9.8	9.3	8.8	7.8	6.9	5.4	4.4	2.9
145°	9.3	8.8	8.8	8.3	7.8	6.9	6.4	5.4	4.4	3.4	2.4
147.5°	7.3	7.3	7.3	6.9	6.4	5.9	5.4	4.4	3.4	2.4	1.5
150°	5.9	5.9	5.9	5.4	4.9	4.4	3.9	3.4	2.4	1.5	1.0
152.5°	4.9	4.9	4.4	4.4	3.9	3.4	2.9	2.4	1.5	1.0	1.0
155°	3.4	3.4	3.4	2.9	2.9	2.4	2.0	1.5	1.0	1.0	1.0
157.5°	2.4	2.4	2.4	2.0	2.0	1.5	1.5	1.0	1.0	1.0	1.0
160°	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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: P1213733

CATALOG NUMBER: 4SNLED-LD5-26SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	890.3	890.3	890.3	890.3	890.3	890.3	890.3
2.5°	884.4	883.9	887.8	887.8	883.4	890.3	897.6
5°	881.4	881.0	884.9	884.9	881.0	887.8	895.6
7.5°	875.6	876.1	880.0	881.0	876.1	882.4	890.7
10°	869.2	868.7	873.1	874.1	870.2	876.1	883.9
12.5°	858.9	858.9	863.3	864.8	860.9	867.7	875.1
15°	848.1	848.1	851.1	853.5	850.1	856.5	863.8
17.5°	834.4	833.9	836.9	839.8	836.4	843.2	851.1
20°	816.8	816.8	820.2	823.7	821.2	827.6	836.4
22.5°	798.2	796.2	802.1	804.6	803.1	809.5	818.3
25°	774.7	774.2	780.1	783.5	781.5	788.4	796.2
27.5°	749.2	748.7	754.6	759.0	758.0	764.4	773.2
30°	718.4	720.8	726.2	733.6	731.1	738.0	747.3
32.5°	686.1	688.5	694.9	702.7	703.2	708.6	717.9
35°	647.4	653.7	658.1	668.4	670.4	675.8	685.6
37.5°	606.7	614.1	623.4	631.2	635.1	639.5	650.8
40°	561.2	572.0	582.2	591.5	596.4	600.8	611.6
42.5°	520.0	528.4	538.2	547.5	556.3	560.2	571.5
45°	473.5	483.3	492.1	503.4	512.2	516.6	527.9
47.5°	428.0	437.8	449.5	457.4	466.7	471.1	481.9
50°	384.4	393.2	403.0	412.3	420.2	424.1	433.4
52.5°	341.3	350.6	359.9	365.8	374.1	377.1	384.9
55°	303.1	309.5	317.8	321.2	329.6	331.5	336.9
57.5°	266.4	270.8	273.7	279.6	285.5	289.9	296.3
60°	233.1	235.1	237.0	240.4	245.3	246.8	249.3
62.5°	203.2	202.7	206.6	207.6	208.1	213.0	210.6
65°	176.8	177.3	173.8	172.4	174.3	175.8	174.8
67.5°	154.7	151.8	148.9	145.4	142.5	144.0	142.5
70°	133.2	130.7	125.9	121.0	119.0	116.1	114.6
72.5°	116.1	110.2	105.3	98.9	95.5	92.1	89.6
75°	102.8	94.5	87.7	80.8	75.9	71.0	70.0
77.5°	89.1	81.3	73.5	66.1	58.8	53.4	51.4
80°	78.4	71.0	61.7	52.9	45.1	38.2	35.7
82.5°	68.6	60.7	51.4	42.1	33.3	26.0	23.0
85°	60.2	51.9	42.6	33.3	24.5	16.6	12.7
87.5°	53.9	44.6	35.3	26.4	17.1	9.3	4.9
90°	48.0	39.2	30.4	21.1	12.2	4.9	0.0
92.5°	42.6	34.3	25.5	17.1	9.3	2.9	0.5
95°	37.7	30.4	21.5	13.7	6.9	2.0	0.5
97.5°	33.8	26.4	18.6	11.3	5.4	1.5	0.5
100°	30.4	23.0	16.2	9.3	4.4	1.0	0.5
102.5°	26.9	20.6	13.7	7.8	3.4	0.5	0.5
105°	24.0	18.1	11.8	6.9	2.9	0.5	0.5
107.5°	21.5	16.2	10.3	5.9	2.0	0.5	0.5
110°	19.1	13.7	8.8	4.9	1.5	0.5	0.5



TEST NUMBER: P1213733

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	17.1	12.2	7.8	3.9	1.0	0.5	0.5
115°	15.2	10.8	6.9	3.4	1.0	0.5	0.5
117.5°	13.2	9.3	5.9	2.4	0.5	0.5	0.5
120°	11.8	8.3	4.9	2.0	0.5	0.5	0.5
122.5°	10.3	6.9	3.9	1.5	0.5	0.5	0.5
125°	8.8	5.9	3.4	1.0	0.5	0.5	0.5
127.5°	7.3	4.9	2.4	1.0	0.5	0.5	0.5
130°	6.4	3.9	2.0	0.5	0.5	0.5	0.5
132.5°	5.4	2.9	1.5	0.5	0.5	0.5	0.5
135°	4.4	2.4	1.0	0.5	0.5	0.5	0.5
137.5°	3.4	2.0	1.0	0.5	0.5	0.5	0.5
140°	2.4	1.5	0.5	0.5	0.5	0.5	0.5
142.5°	2.0	1.0	0.5	0.5	0.5	0.5	0.5
145°	1.5	1.0	0.5	0.5	0.5	0.5	0.5
147.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5
150°	1.0	1.0	0.5	0.5	1.0	0.5	0.5
152.5°	1.0	0.5	0.5	0.5	1.0	0.5	0.5
155°	1.0	1.0	1.0	1.0	1.0	1.0	0.5
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)