

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: P1213732

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

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213732
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

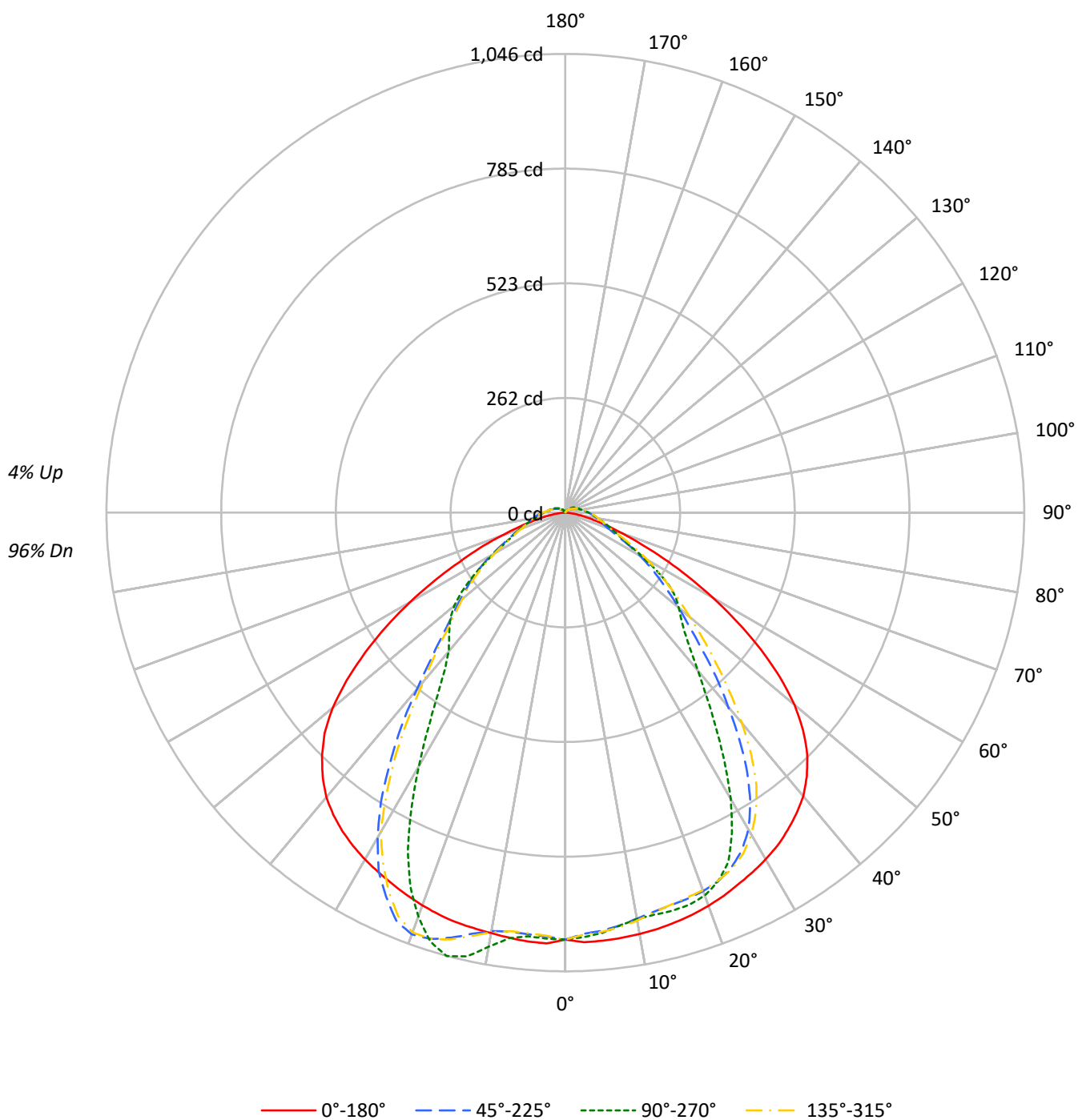
Lumens per Lamp: N/A
Luminaire Lumens: 2321.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	7868	7868	7868	7868
5°	7925	7556	7941	7615
10°	7962	7241	7945	7733
15°	8024	7145	8020	7955
20°	8112	7031	8103	7412
25°	8212	6671	8207	6445
30°	8367	5781	8371	5121
35°	8530	4675	8554	3956
40°	8675	3764	8711	3316
45°	8644	3188	8688	3104
50°	8271	2935	8387	2870
55°	7338	2639	7522	2398
60°	5952	2020	6269	1852
65°	4425	1545	4767	1465
70°	3009	1334	3392	1275
75°	1968	1203	2293	1138
80°	1273	1121	1490	1032
85°	656	1120	861	1022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 8688 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	4.0
10°-20°	275.2	11.9
20°-30°	418.3	18.0
30°-40°	448.8	19.3
40°-50°	389.5	16.8
50°-60°	288.6	12.4
60°-70°	165.4	7.1
70°-80°	91.6	3.9
80°-90°	55.8	2.4
90°-100°	36.3	1.6
100°-110°	24.3	1.0
110°-120°	16.4	0.7
120°-130°	10.1	0.4
130°-140°	5.3	0.2
140°-150°	2.4	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	786.0	33.9
0°-40°	1234.7	53.2
0°-60°	1912.8	82.4
0°-90°	2225.6	95.9
90°-120°	77.0	3.3
90°-150°	94.7	4.1
90°-180°	95.0	4.1
0°-180°	2321.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	974	974	974	974	974	
5°	980	962	982	970	980	93
15°	967	940	967	1046	967	274
25°	934	879	934	849	934	432
35°	884	598	886	506	884	553
45°	780	384	784	374	780	597
55°	544	288	558	262	544	483
65°	247	146	266	138	247	249
75°	70	92	82	88	70	80
85°	10	64	13	58	10	13
90°	0	53	1	49	0	0
95°	0	44	0	42	0	0
105°	0	33	0	31	0	1
115°	0	27	0	24	0	0
125°	0	20	0	17	0	0
135°	0	13	0	11	0	0
145°	0	8	1	6	0	0
155°	1	4	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°	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6
2.5°	980.6	978.1	977.1	975.1	976.6	982.7	978.6	972.1	972.6	961.0	967.1
5°	979.6	976.6	975.1	973.1	974.1	979.6	975.6	969.1	968.6	957.0	962.5
7.5°	978.1	975.1	972.6	971.1	971.6	976.1	971.1	963.5	962.0	949.5	954.5
10°	975.6	973.6	970.1	967.6	967.1	972.1	964.0	956.5	953.0	939.9	944.9
12.5°	972.1	969.1	965.6	961.0	960.5	963.5	957.0	946.4	942.9	932.4	937.9
15°	967.1	963.5	959.5	954.5	952.0	954.0	945.9	936.4	935.9	926.8	934.4
17.5°	961.5	956.5	952.0	944.9	941.4	942.9	936.4	927.8	928.8	923.3	931.9
20°	954.0	948.5	941.4	934.4	929.3	931.9	927.3	920.8	922.3	918.3	925.8
22.5°	945.4	937.9	929.3	921.3	917.3	920.8	917.3	911.7	912.2	909.7	914.3
25°	934.4	925.8	915.8	905.7	903.7	906.2	904.2	899.7	897.7	893.6	895.7
27.5°	924.3	914.8	902.2	891.6	888.1	893.1	888.6	881.1	875.5	870.0	866.0
30°	912.8	901.2	887.1	875.0	872.0	874.0	867.5	855.9	841.3	834.3	823.2
32.5°	900.2	885.1	867.5	853.9	851.9	850.4	838.3	821.7	799.1	785.0	767.9
35°	883.6	867.0	845.9	829.3	826.3	817.7	798.1	776.0	746.8	722.7	693.5
37.5°	865.0	845.4	823.2	801.1	792.6	775.5	747.8	724.7	680.4	651.2	616.0
40°	843.9	820.2	793.1	766.4	752.3	724.7	693.0	658.8	616.0	576.8	547.1
42.5°	814.7	789.5	757.4	727.7	703.5	666.8	629.6	581.3	542.1	508.9	478.8
45°	780.0	749.8	712.6	676.9	646.2	602.5	558.7	510.4	477.7	439.0	418.4
47.5°	735.2	702.5	662.8	623.1	582.9	534.6	488.8	442.5	409.9	382.2	367.1
50°	682.4	652.3	608.5	561.2	517.0	466.7	420.9	386.2	354.5	337.4	325.9
52.5°	617.0	588.9	544.1	492.8	450.1	400.8	359.1	330.9	308.3	295.7	291.7
55°	544.1	519.5	475.2	427.5	383.7	338.4	306.8	282.1	267.5	260.0	260.5
57.5°	466.2	447.1	405.3	362.6	321.3	287.2	258.5	238.9	227.8	227.3	228.8
60°	388.2	374.2	337.9	301.2	265.0	237.4	216.2	202.7	195.6	196.1	195.6
62.5°	313.8	300.7	274.6	244.4	215.7	197.1	178.0	172.5	166.5	166.0	166.0
65°	246.9	236.9	215.7	194.1	172.5	160.4	150.9	144.3	139.8	138.8	139.3
67.5°	185.6	181.5	167.0	152.4	138.8	131.3	123.2	121.7	118.2	118.2	119.2
70°	138.3	135.3	127.2	118.7	113.2	108.1	104.1	104.1	103.6	103.1	105.6
72.5°	100.1	100.6	98.1	91.5	91.0	90.0	89.0	90.5	91.0	92.5	95.5
75°	70.4	71.9	71.9	70.9	72.9	75.4	76.9	79.5	82.5	84.5	88.0
77.5°	49.8	49.8	52.3	55.3	59.3	63.9	67.9	71.4	75.4	77.9	81.0
80°	32.2	33.7	37.7	43.2	48.8	54.8	60.3	64.9	68.9	72.9	74.9
82.5°	19.1	21.6	26.7	33.7	40.7	48.3	53.8	59.3	63.9	67.9	69.4
85°	9.6	13.1	19.1	26.7	34.2	42.2	49.3	54.3	59.3	62.9	64.9
87.5°	3.0	7.0	13.6	20.6	28.7	36.7	44.3	49.8	54.3	57.3	59.3
90°	0.0	3.5	9.6	17.1	24.6	32.7	39.7	45.8	50.3	52.8	54.3
92.5°	0.0	2.0	7.5	14.1	21.1	29.2	36.2	41.7	45.8	48.3	49.3
95°	0.5	1.5	5.5	11.6	18.6	26.2	32.7	37.7	41.7	44.3	44.8
97.5°	0.5	1.0	4.5	9.6	16.1	23.1	29.7	34.7	37.7	40.2	40.7
100°	0.5	1.0	3.5	8.5	14.1	20.6	26.7	31.2	34.7	36.7	37.2
102.5°	0.5	0.5	3.0	7.0	12.6	18.1	23.6	28.2	31.2	33.2	34.2
105°	0.5	0.5	2.5	6.0	11.1	16.1	21.1	25.6	28.2	30.2	31.2
107.5°	0.5	0.5	2.0	5.0	9.6	14.1	19.1	22.6	25.6	27.7	28.7
110°	0.5	0.5	1.5	4.5	8.0	12.6	16.6	20.1	23.1	25.1	26.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	0.5	1.5	4.0	7.0	11.1	14.6	18.1	20.6	22.6	24.1
115°	0.5	0.5	1.5	3.5	6.5	9.6	13.1	16.1	18.6	20.6	22.1
117.5°	0.5	0.5	1.5	3.0	5.5	8.5	11.6	14.6	16.6	18.6	20.1
120°	0.5	0.5	1.0	2.5	5.0	7.5	10.1	12.6	15.1	17.1	18.6
122.5°	0.5	0.5	1.0	2.5	4.0	6.5	9.1	11.1	13.6	15.1	16.6
125°	0.5	0.5	1.0	2.0	3.5	6.0	8.0	10.1	11.6	13.6	15.1
127.5°	0.5	0.5	1.0	2.0	3.0	5.0	7.0	9.1	10.6	12.1	13.1
130°	0.5	0.5	1.0	1.5	2.5	4.0	6.0	7.5	9.6	10.6	11.6
132.5°	0.5	0.5	0.5	1.5	2.0	3.0	4.5	6.5	8.0	9.6	10.1
135°	0.5	0.5	0.5	1.0	2.0	2.5	3.5	5.0	6.5	8.0	9.1
137.5°	0.5	0.5	0.5	1.0	1.5	2.5	3.0	4.0	5.5	6.5	8.0
140°	0.5	0.5	0.5	1.0	1.5	2.0	2.5	3.5	4.5	5.5	6.5
142.5°	0.5	0.5	0.5	1.0	1.0	1.5	2.0	3.0	3.5	4.5	5.5
145°	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.5	3.0	3.5	4.5
147.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	2.0	2.5	3.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.5
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	2.0	2.0
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°	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6
2.5°	965.1	966.1	972.1	971.6	970.6	969.6	969.6	968.6	969.6	972.1	971.1
5°	960.0	961.5	966.1	965.6	964.5	964.0	963.5	962.0	963.0	966.6	965.6
7.5°	951.0	952.5	956.5	954.5	953.0	954.0	951.5	950.0	952.0	955.5	955.0
10°	941.4	942.4	947.5	946.4	943.9	944.4	941.9	940.9	943.4	945.4	945.9
12.5°	934.9	938.4	942.9	942.4	941.9	942.4	939.9	938.9	940.4	942.4	941.9
15°	933.4	937.9	942.9	942.9	943.4	943.9	941.4	939.9	941.4	942.9	942.4
17.5°	931.9	937.4	941.9	941.4	941.9	942.9	938.9	937.9	939.9	941.9	940.9
20°	926.8	931.9	934.9	933.9	933.9	934.4	929.3	929.3	932.4	933.9	934.4
22.5°	912.8	918.8	918.8	916.3	916.3	914.3	912.8	909.7	913.3	915.8	917.8
25°	891.6	894.1	891.1	885.6	882.6	880.1	873.0	879.1	879.1	886.6	889.1
27.5°	862.0	856.4	847.9	836.3	833.8	825.8	821.2	822.7	825.2	835.8	843.9
30°	813.2	796.6	782.0	777.0	765.9	757.9	749.8	753.8	758.4	764.4	781.0
32.5°	748.8	732.7	709.1	700.5	689.0	678.9	669.4	675.4	683.4	687.5	705.6
35°	674.9	655.8	634.1	619.6	607.5	602.0	589.9	598.4	607.0	610.0	625.6
37.5°	596.4	576.8	557.7	545.1	533.6	530.0	522.0	528.0	534.6	539.1	552.2
40°	522.0	503.9	489.3	480.8	472.7	469.7	466.7	469.2	474.2	477.7	487.8
42.5°	458.1	443.6	433.5	428.5	422.9	418.9	419.4	420.4	422.9	430.5	435.0
45°	402.3	393.8	387.2	386.2	382.7	382.2	381.7	383.7	385.2	389.7	393.3
47.5°	357.6	354.0	352.5	354.5	356.0	354.0	355.0	357.6	360.6	360.6	360.1
50°	322.4	323.4	325.4	329.9	332.9	333.9	334.9	337.9	338.4	339.5	337.9
52.5°	293.7	294.7	300.2	307.3	310.8	312.3	314.3	317.3	317.3	318.3	316.3
55°	264.5	266.0	271.6	278.6	281.6	283.6	285.6	287.7	289.2	291.2	289.7
57.5°	232.3	236.9	240.4	242.4	244.4	245.9	247.4	247.9	250.9	251.4	254.0
60°	198.1	199.1	202.7	202.2	200.7	204.7	202.7	206.2	209.7	214.2	214.7
62.5°	165.5	166.0	168.5	167.5	169.5	169.0	170.5	170.5	173.0	175.0	177.5
65°	139.8	140.3	142.3	142.3	141.8	143.3	144.8	145.8	145.8	147.3	149.4
67.5°	120.7	122.2	124.2	125.2	126.2	126.2	127.7	128.2	129.2	129.7	130.8
70°	107.6	109.6	111.6	112.6	113.2	114.2	114.7	114.7	115.7	116.2	117.2
72.5°	98.1	100.1	101.6	101.6	102.6	103.1	103.1	103.6	104.1	105.1	106.1
75°	90.0	91.5	92.5	92.0	92.0	92.0	92.5	92.5	93.5	94.5	95.5
77.5°	82.5	84.0	84.0	83.0	83.0	83.0	83.0	83.5	84.0	85.0	86.0
80°	76.9	76.9	76.4	76.4	75.4	74.9	74.9	75.4	75.4	76.4	77.9
82.5°	70.9	70.9	70.4	69.9	69.4	68.9	68.9	69.4	69.9	70.4	71.4
85°	65.4	65.4	64.4	64.4	63.9	63.9	63.9	63.9	64.4	64.9	65.9
87.5°	59.8	59.3	58.8	58.3	58.3	58.3	58.3	58.3	58.8	59.8	60.3
90°	54.3	53.8	53.3	53.3	52.8	52.8	53.3	53.3	53.8	54.3	54.8
92.5°	49.3	48.8	48.3	48.3	47.8	47.8	48.3	47.8	48.8	48.8	49.3
95°	44.8	44.3	43.8	43.8	43.8	43.8	43.8	43.8	44.3	44.3	44.8
97.5°	40.7	40.2	39.7	39.7	40.2	39.7	40.2	40.2	40.2	40.7	41.2
100°	37.2	36.7	36.7	37.2	36.7	36.7	37.2	37.2	37.2	37.2	37.7
102.5°	34.2	34.2	34.2	34.2	34.2	34.2	34.7	34.7	34.7	34.7	35.2
105°	31.2	31.7	31.7	31.7	32.2	32.2	32.2	32.7	32.7	32.7	32.7
107.5°	29.2	29.7	29.7	30.2	30.2	30.7	30.7	30.7	30.7	31.2	31.2
110°	27.2	27.7	28.2	28.7	28.7	29.2	29.2	29.2	29.2	29.2	29.2

TEST NUMBER: P1213732

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	25.1	25.6	26.2	27.2	27.7	27.7	27.7	27.7	28.2	28.2	27.7
115°	23.1	24.1	24.6	25.6	26.2	26.2	26.7	26.7	26.7	26.7	26.2
117.5°	21.1	22.6	23.1	24.1	24.6	24.6	25.1	25.1	25.1	25.1	24.6
120°	19.6	20.6	21.6	22.1	22.6	23.1	23.1	23.6	23.6	23.6	23.1
122.5°	18.1	19.1	20.1	20.6	21.1	21.6	21.6	21.6	21.6	21.6	21.6
125°	16.1	17.1	18.1	18.6	19.1	19.6	19.6	20.1	20.1	20.1	19.6
127.5°	14.6	15.6	16.1	17.1	17.6	17.6	18.1	18.1	18.1	18.1	17.6
130°	12.6	13.6	14.6	15.1	15.6	15.6	16.1	16.1	16.1	16.1	16.1
132.5°	11.1	12.1	12.6	13.6	13.6	14.1	14.1	14.6	14.6	14.6	14.1
135°	10.1	10.6	11.1	12.1	12.1	12.6	12.6	12.6	12.6	12.6	12.6
137.5°	9.1	9.6	10.1	10.6	10.6	11.1	11.1	11.1	11.1	11.6	11.1
140°	7.5	8.5	9.1	9.1	9.6	9.6	9.6	10.1	10.1	10.1	9.6
142.5°	6.5	7.0	7.5	8.0	8.5	8.5	8.5	8.5	9.1	8.5	8.5
145°	5.0	6.0	6.5	7.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5
147.5°	4.0	4.5	5.5	6.0	6.0	6.5	6.5	6.5	6.5	6.5	6.5
150°	3.5	3.5	4.5	5.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5
152.5°	2.5	3.0	3.5	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
155°	2.5	2.5	3.0	3.0	3.5	3.5	3.5	3.5	4.0	3.5	3.5
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: P1213732

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6
2.5°	969.6	969.1	971.1	969.1	959.0	963.0	961.5	967.1	967.6	969.1	974.1
5°	964.5	964.5	967.1	965.1	955.5	959.5	959.0	964.5	965.6	966.6	972.1
7.5°	954.5	955.0	958.5	957.0	946.9	953.0	952.5	959.0	961.0	963.0	968.1
10°	944.9	944.4	948.5	946.9	937.4	944.4	943.9	950.5	953.5	957.0	963.0
12.5°	939.9	938.4	939.9	938.4	927.8	933.4	933.9	941.4	944.9	949.5	956.5
15°	939.9	937.4	937.4	934.4	922.3	925.8	926.3	931.4	935.9	940.4	949.0
17.5°	938.9	936.4	935.9	933.4	920.3	920.3	919.8	923.3	925.8	930.4	939.4
20°	933.4	932.4	931.9	930.4	918.3	916.3	915.3	915.3	916.8	918.3	927.3
22.5°	918.8	919.8	920.8	921.8	912.2	908.7	909.2	908.2	906.7	906.7	914.3
25°	891.6	896.7	900.7	905.2	899.7	897.2	900.2	898.7	896.2	894.1	900.7
27.5°	848.4	858.9	867.5	878.6	879.1	877.0	885.1	884.1	883.6	880.6	885.6
30°	788.5	805.1	816.7	832.8	846.4	848.4	862.0	864.0	866.0	864.5	869.5
32.5°	716.1	738.7	758.4	783.5	796.6	808.1	827.3	835.3	843.4	845.9	851.4
35°	637.2	662.8	685.9	713.6	734.2	759.4	782.5	794.6	812.7	819.7	827.8
37.5°	562.2	586.4	609.0	636.7	669.9	696.0	724.7	751.8	776.5	786.5	798.6
40°	495.9	515.5	537.1	561.2	591.4	625.6	656.8	694.5	723.7	743.8	761.4
42.5°	445.6	455.1	473.7	495.3	519.5	554.2	585.9	628.1	663.3	692.0	721.1
45°	400.8	405.3	418.9	430.5	455.1	485.8	519.5	560.7	597.4	634.1	669.4
47.5°	362.6	368.1	374.7	381.7	399.3	424.9	454.1	491.3	528.0	570.8	611.0
50°	336.9	338.4	339.5	342.5	353.0	370.6	394.3	426.0	461.2	506.9	549.7
52.5°	314.3	314.3	311.3	309.8	313.8	324.9	338.4	361.1	397.3	439.5	484.8
55°	290.2	285.6	284.6	279.6	280.6	285.6	292.2	309.8	339.5	375.7	419.4
57.5°	256.5	254.5	254.5	252.5	248.4	250.9	252.5	265.0	286.1	317.3	355.5
60°	217.8	216.7	219.3	219.8	216.2	217.8	217.2	224.8	239.9	265.0	296.7
62.5°	179.0	183.6	184.1	186.1	184.1	183.6	186.1	192.6	200.2	219.3	243.9
65°	150.4	152.9	153.4	155.9	154.9	154.9	156.9	161.9	166.5	179.5	198.6
67.5°	131.8	130.8	131.3	132.8	131.3	130.8	132.3	135.3	138.8	146.8	160.4
70°	117.2	116.2	116.2	116.2	114.2	112.6	113.2	114.2	115.7	120.2	128.7
72.5°	106.1	106.1	104.6	103.1	101.6	100.6	99.6	98.6	98.1	99.6	104.1
75°	96.1	96.6	96.1	94.5	92.5	90.5	88.5	86.5	84.0	83.0	83.5
77.5°	87.0	87.5	88.0	87.5	85.5	83.0	80.0	76.9	73.4	69.9	67.9
80°	79.0	80.0	80.5	80.0	78.5	76.4	72.9	69.4	64.4	59.8	54.8
82.5°	71.9	73.4	73.9	73.9	72.9	70.9	66.9	62.9	57.3	51.3	44.8
85°	66.4	67.4	68.4	68.4	67.9	65.9	61.9	57.3	51.8	44.8	37.7
87.5°	60.9	61.4	62.4	63.4	62.4	60.3	56.8	51.8	46.3	39.2	31.2
90°	55.3	55.8	56.8	57.8	57.3	55.3	52.3	47.8	41.7	34.2	26.2
92.5°	49.8	50.8	51.3	51.8	52.3	50.8	48.3	43.8	37.7	30.2	22.6
95°	45.8	45.8	46.8	47.3	47.8	46.3	44.3	39.7	34.2	27.2	19.6
97.5°	41.7	41.7	42.7	42.7	43.2	42.2	40.2	36.2	30.7	24.1	16.6
100°	37.7	38.2	38.7	39.2	39.2	38.7	36.7	32.7	27.7	21.6	14.6
102.5°	35.2	35.2	35.7	35.7	36.2	35.2	33.2	29.7	24.6	19.1	12.6
105°	32.7	32.7	33.2	33.2	32.7	31.7	29.7	26.7	22.1	16.6	11.1
107.5°	30.7	30.7	30.7	30.7	30.2	29.2	27.2	23.6	19.6	15.1	10.1
110°	29.2	28.7	28.7	28.2	27.7	26.2	24.1	21.1	17.6	13.1	8.5

TEST NUMBER: P1213732

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	27.7	27.2	26.7	26.2	25.1	23.6	21.6	19.1	15.6	11.6	7.5
115°	26.2	25.6	25.1	24.1	23.1	21.6	19.6	17.1	13.6	10.1	6.5
117.5°	24.6	24.1	23.1	22.1	21.1	19.6	17.6	15.1	12.1	9.1	6.0
120°	22.6	22.1	21.6	20.6	19.6	17.6	15.6	13.6	10.6	8.0	5.0
122.5°	21.1	20.6	19.6	19.1	17.6	16.1	14.1	12.1	9.6	7.0	4.5
125°	19.1	18.6	18.1	17.1	16.1	14.1	12.6	10.6	8.5	6.0	3.5
127.5°	17.6	17.1	16.1	15.1	14.1	12.6	11.1	9.6	7.5	5.0	3.5
130°	15.6	15.1	14.6	13.6	12.6	11.1	10.1	8.0	6.5	4.5	3.0
132.5°	13.6	13.6	13.1	12.1	11.1	10.1	8.5	7.0	5.5	4.0	2.5
135°	12.6	12.1	11.6	10.6	10.1	8.5	7.5	6.0	4.5	3.5	2.0
137.5°	11.1	10.6	10.1	9.6	8.5	7.5	6.5	5.0	4.0	3.0	2.0
140°	9.6	9.1	9.1	8.0	7.5	6.5	5.5	4.5	3.5	2.5	1.5
142.5°	8.5	8.0	7.5	7.0	6.5	5.5	4.5	3.5	3.0	2.0	1.5
145°	7.5	7.0	6.5	6.0	5.5	4.5	4.0	3.0	2.5	2.0	1.5
147.5°	6.0	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.0	1.5	1.0
150°	5.0	5.0	4.5	4.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
152.5°	4.5	4.0	4.0	3.5	3.5	3.0	2.5	2.0	1.5	1.5	1.0
155°	3.5	3.5	3.5	3.0	3.0	2.5	2.0	2.0	1.5	1.0	1.0
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: P1213732

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6
2.5°	975.1	969.1	974.1	983.2	982.1	981.1	980.1	982.1	988.7	985.2	979.6
5°	973.6	967.6	973.1	981.6	981.1	979.6	978.6	980.6	987.2	983.7	977.6
7.5°	970.6	965.1	969.1	977.6	977.6	976.6	975.6	977.6	983.7	980.6	974.6
10°	965.6	961.5	965.6	973.6	974.1	972.1	971.1	973.6	979.6	978.1	973.1
12.5°	961.5	957.5	962.0	970.1	970.6	968.6	967.1	970.1	978.1	979.1	977.6
15°	956.0	952.5	958.0	966.6	966.6	965.1	965.1	969.1	980.1	984.7	987.2
17.5°	948.0	945.4	952.0	960.5	961.0	960.0	960.5	968.6	983.2	994.2	1001.3
20°	937.9	936.9	943.9	953.0	954.5	955.0	957.5	969.6	989.7	1004.8	1011.8
22.5°	925.8	926.3	934.4	943.9	945.9	947.5	952.5	969.6	994.7	1010.8	1013.8
25°	912.2	913.8	922.3	933.9	936.4	939.4	948.0	970.1	996.2	1006.8	1001.8
27.5°	897.7	900.7	911.7	923.8	926.8	931.9	942.9	967.1	989.2	989.7	971.1
30°	882.6	886.1	899.2	913.3	918.3	923.3	936.9	960.0	972.1	956.0	923.3
32.5°	865.5	870.5	883.6	900.7	906.7	913.3	926.8	946.4	941.9	907.2	860.4
35°	843.9	850.9	866.0	886.1	891.6	900.2	909.7	914.3	894.1	844.9	792.1
37.5°	817.2	827.8	845.4	868.5	874.5	880.1	882.6	870.0	829.8	776.5	721.7
40°	786.5	802.6	821.7	847.4	853.4	853.4	844.4	817.7	766.9	697.0	636.2
42.5°	749.3	768.9	793.1	818.7	824.7	817.7	796.1	749.3	691.5	613.5	549.2
45°	704.1	730.2	757.4	784.0	787.0	771.4	732.7	673.4	602.0	529.5	468.2
47.5°	650.2	684.4	714.1	744.3	740.3	714.1	662.3	594.9	519.5	451.1	401.8
50°	589.9	630.1	663.3	692.0	683.4	647.2	586.4	516.0	441.0	382.7	342.0
52.5°	525.5	571.8	605.0	628.1	616.5	573.3	506.4	439.0	377.7	324.4	297.2
55°	458.6	505.4	539.6	557.7	542.6	495.9	430.0	368.6	310.8	276.1	260.0
57.5°	393.8	437.5	469.7	484.3	465.2	418.4	357.6	305.8	264.0	234.9	226.8
60°	331.4	367.1	397.8	408.9	388.2	345.0	292.7	251.4	220.8	200.7	196.6
62.5°	273.6	302.7	326.9	335.4	315.3	281.6	236.4	205.7	184.1	174.0	169.0
65°	225.8	242.9	267.5	266.0	254.0	222.8	189.6	168.0	153.9	147.3	144.3
67.5°	177.5	193.1	208.7	210.7	195.6	174.0	152.4	136.8	129.2	125.7	124.2
70°	137.3	148.9	158.4	155.9	147.9	134.3	120.7	112.1	109.1	107.6	107.6
72.5°	106.6	112.6	117.2	114.2	109.1	102.1	95.5	92.0	92.5	93.5	94.5
75°	82.5	84.0	85.0	82.0	81.0	76.4	75.9	76.4	79.5	82.5	84.0
77.5°	63.4	61.4	59.8	56.8	57.3	56.8	59.3	63.4	67.9	72.4	76.4
80°	48.8	44.3	40.7	37.7	39.2	41.7	46.8	52.8	58.8	63.9	68.9
82.5°	37.7	31.2	26.2	23.1	26.2	30.2	36.7	44.3	51.3	56.8	62.4
85°	29.2	21.6	15.6	12.6	15.6	21.6	28.7	37.2	44.8	50.8	56.3
87.5°	22.6	15.6	8.5	5.0	8.5	15.1	23.1	31.2	38.7	45.8	51.3
90°	18.1	10.6	4.0	1.0	4.5	10.6	18.1	26.2	33.7	41.2	46.8
92.5°	14.6	7.5	2.0	0.0	2.5	8.0	15.1	22.6	30.2	37.2	42.7
95°	12.1	6.0	1.5	0.0	2.0	6.0	12.1	19.6	26.7	33.7	38.2
97.5°	10.1	4.5	1.0	0.0	1.0	5.0	10.1	16.6	23.6	30.2	34.7
100°	8.5	4.0	1.0	0.0	1.0	4.0	8.5	14.6	20.6	26.7	31.2
102.5°	7.0	3.0	0.5	0.5	0.5	3.0	7.5	12.6	18.1	23.6	28.2
105°	6.5	2.5	0.5	0.5	0.5	2.5	6.5	11.1	16.1	21.1	25.1
107.5°	5.5	2.0	0.5	0.5	0.5	2.0	5.5	9.6	14.6	19.1	22.6
110°	4.5	2.0	0.5	0.5	0.5	2.0	4.5	8.5	12.6	16.6	20.1



TEST NUMBER: P1213732

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	4.0	1.5	0.5	0.5	0.5	1.5	4.0	7.5	11.1	15.1	18.1
115°	3.5	1.5	0.5	0.5	0.5	1.5	3.5	6.5	9.6	13.1	16.1
117.5°	3.0	1.5	0.5	0.5	0.5	1.0	3.0	5.5	8.5	11.6	14.6
120°	2.5	1.0	0.5	0.5	0.5	1.0	2.5	5.0	7.5	10.1	12.6
122.5°	2.5	1.0	0.5	0.5	0.5	1.0	2.0	4.0	6.5	8.5	11.1
125°	2.0	1.0	0.5	0.5	0.5	0.5	2.0	3.5	5.5	7.5	9.6
127.5°	2.0	1.0	0.5	0.5	0.5	0.5	1.5	3.0	4.5	6.5	8.5
130°	1.5	1.0	0.5	0.5	0.5	0.5	1.0	2.5	4.0	5.5	7.0
132.5°	1.5	1.0	0.5	0.5	0.5	0.5	1.0	2.0	3.0	4.5	6.0
135°	1.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.5	3.5	4.5
137.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.0	2.5	4.0
140°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0	3.0
142.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.5
145°	1.0	0.5	0.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	2.0
147.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.5
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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: P1213732

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6
2.5°	978.6	967.1	973.1	971.1	973.1	978.1	977.6	976.1	977.1	974.6	972.1
5°	976.6	965.1	971.1	968.6	971.1	976.1	975.1	973.6	975.1	972.1	969.6
7.5°	974.1	963.5	970.6	970.1	974.6	981.1	981.6	981.6	985.2	980.6	978.6
10°	974.1	968.6	978.1	981.6	993.2	1001.8	1002.8	1004.8	1010.8	1009.8	1004.8
12.5°	984.7	983.7	997.7	1006.3	1016.8	1028.9	1035.5	1037.5	1041.5	1038.5	1036.5
15°	998.2	1003.3	1018.9	1028.4	1040.0	1049.0	1050.5	1051.5	1054.6	1050.0	1046.5
17.5°	1016.3	1019.4	1031.9	1036.0	1043.5	1045.0	1043.0	1038.0	1038.0	1027.9	1024.9
20°	1024.9	1023.4	1028.4	1021.9	1018.9	1009.8	1001.3	991.7	991.2	980.6	979.6
22.5°	1017.4	1007.3	996.7	980.6	973.6	960.5	949.0	943.4	939.9	926.3	922.8
25°	990.7	966.1	950.5	931.4	914.3	899.2	888.1	876.5	865.5	854.4	849.4
27.5°	944.4	921.3	896.2	869.5	845.9	822.7	804.1	792.6	782.0	767.4	759.9
30°	887.6	855.4	827.8	802.1	763.4	735.2	719.6	696.5	688.5	681.9	667.8
32.5°	820.7	782.0	744.3	709.6	669.9	643.7	623.1	606.0	601.0	583.9	579.8
35°	746.8	696.0	653.3	619.1	590.4	558.7	541.6	530.0	520.0	508.4	506.4
37.5°	659.8	614.0	565.8	535.6	513.0	485.8	472.7	464.7	460.1	451.6	450.1
40°	572.3	526.5	493.3	463.2	449.1	434.5	424.9	421.4	419.4	416.4	413.4
42.5°	492.8	452.6	429.0	408.9	402.8	395.8	393.3	395.3	393.3	392.3	391.8
45°	425.4	394.8	378.2	372.1	370.6	368.6	370.6	374.2	374.7	373.6	373.6
47.5°	364.1	349.5	342.5	343.5	346.0	347.5	351.0	355.5	356.6	354.0	355.0
50°	323.9	315.3	313.8	317.8	323.4	325.4	329.4	332.9	332.4	331.4	330.4
52.5°	286.1	283.6	287.7	291.7	297.7	298.7	300.2	301.7	301.2	299.2	298.2
55°	254.5	256.5	260.0	261.5	266.0	265.5	266.0	266.0	264.0	263.0	261.5
57.5°	225.8	226.3	228.3	228.8	231.3	230.3	229.8	228.8	225.8	225.3	223.8
60°	196.6	195.6	200.2	196.6	198.6	196.6	196.1	193.6	190.6	190.1	189.1
62.5°	169.0	167.0	170.0	168.5	169.5	167.5	166.5	163.4	160.9	160.4	159.9
65°	144.3	143.3	146.3	145.8	146.8	144.3	143.3	141.3	139.3	138.8	138.3
67.5°	123.7	126.2	127.7	127.7	128.7	128.2	125.7	125.2	124.7	122.7	122.7
70°	108.6	110.1	113.2	113.7	113.2	114.2	112.1	111.6	111.1	110.1	109.6
72.5°	96.6	98.6	101.6	102.1	101.6	101.6	100.6	100.1	100.1	98.6	98.6
75°	87.0	89.5	92.0	92.0	92.0	91.0	90.0	90.0	89.0	88.5	87.5
77.5°	79.0	82.0	84.0	83.5	83.0	82.0	82.0	80.5	79.0	79.0	77.9
80°	72.9	74.9	76.4	75.9	75.4	73.9	73.4	71.9	70.9	69.4	69.4
82.5°	66.4	68.9	69.9	69.4	68.4	66.9	66.4	65.4	64.4	63.9	62.9
85°	60.9	63.4	63.9	62.9	61.9	60.9	60.3	59.8	59.3	58.3	58.3
87.5°	55.3	57.8	57.8	57.3	56.3	55.8	55.3	54.8	54.3	53.8	53.3
90°	50.8	52.8	52.8	52.3	51.8	51.3	50.8	50.3	49.8	49.3	49.3
92.5°	46.3	48.3	48.3	47.8	47.3	46.8	46.8	46.3	45.8	45.3	44.8
95°	42.2	44.3	44.3	44.3	43.8	43.2	43.2	42.7	42.2	42.2	41.7
97.5°	38.2	40.2	40.2	40.2	39.7	39.2	39.2	38.7	38.7	38.7	38.2
100°	34.7	36.2	36.7	36.7	36.2	36.2	36.2	35.7	35.7	35.7	35.2
102.5°	31.2	32.7	33.7	33.7	33.7	33.2	33.2	33.2	33.2	33.2	32.7
105°	28.2	29.7	30.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
107.5°	25.6	27.2	28.2	28.7	29.2	29.2	29.7	29.7	29.7	29.7	29.7
110°	23.1	24.6	26.2	26.7	27.2	27.7	27.7	28.2	27.7	27.7	27.7

TEST NUMBER: P1213732

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	20.6	22.6	23.6	24.6	25.1	25.6	26.2	26.2	26.2	26.2	26.2
115°	18.6	20.6	21.6	22.6	23.6	24.1	24.1	24.6	24.6	24.6	24.1
117.5°	16.6	18.6	19.6	20.6	21.1	22.1	22.6	22.6	22.6	22.6	22.1
120°	15.1	16.6	17.6	18.6	19.6	20.1	20.6	20.6	20.6	20.6	20.6
122.5°	13.1	14.6	16.1	17.1	17.6	18.1	18.6	18.6	18.6	18.6	18.6
125°	11.6	13.1	14.1	15.1	15.6	16.6	16.6	16.6	16.6	16.6	16.6
127.5°	10.1	11.6	12.6	13.6	14.1	14.6	15.1	15.1	15.1	15.1	15.1
130°	8.5	10.1	11.1	12.1	12.6	13.1	13.1	13.6	13.6	13.6	13.6
132.5°	7.5	8.5	9.6	10.6	11.1	11.6	11.6	12.1	12.1	12.1	12.1
135°	6.0	7.5	8.0	9.1	9.6	10.1	10.1	10.6	10.6	10.6	10.6
137.5°	5.0	6.0	7.0	8.0	8.5	8.5	9.1	9.1	9.6	9.6	9.6
140°	4.0	4.5	6.0	6.5	7.0	7.5	8.0	8.0	8.0	8.0	8.0
142.5°	3.0	4.0	4.5	5.5	6.0	6.5	7.0	7.0	7.0	7.0	7.0
145°	2.5	3.0	3.5	4.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0
147.5°	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.0	5.0	5.0	5.0
150°	1.5	2.0	2.5	2.5	3.0	3.5	4.0	4.5	4.5	4.5	4.5
152.5°	1.5	1.5	2.0	2.0	2.5	3.0	3.5	3.5	3.5	3.5	3.5
155°	1.0	1.5	1.5	1.5	2.0	2.0	2.5	3.0	3.0	3.0	3.0
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: P1213732

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6	973.6
2.5°	973.6	975.6	974.6	973.1	972.6	975.1	972.6	961.0	965.6	966.1	969.6
5°	972.1	973.6	972.6	971.6	970.1	973.1	970.1	958.0	962.5	963.0	966.6
7.5°	982.1	982.7	982.7	980.1	976.1	977.6	973.6	960.0	962.5	962.5	965.1
10°	1007.3	1008.3	1009.8	1003.3	998.2	994.2	988.7	972.1	971.6	967.6	967.6
12.5°	1040.0	1037.5	1035.0	1031.9	1027.9	1022.9	1014.8	995.2	988.7	982.1	975.6
15°	1049.5	1048.5	1048.0	1046.5	1044.0	1042.5	1036.5	1016.8	1007.3	999.2	987.7
17.5°	1024.4	1026.4	1032.9	1033.4	1036.5	1042.5	1041.5	1027.9	1019.4	1015.8	1001.8
20°	979.1	979.6	987.7	991.2	1004.3	1014.3	1021.9	1020.4	1018.4	1022.4	1011.8
22.5°	924.8	928.3	936.9	942.4	955.0	966.6	978.6	985.2	995.7	1012.3	1010.3
25°	850.9	855.4	867.5	876.5	894.1	911.7	927.8	939.4	952.0	983.7	994.2
27.5°	762.4	769.4	785.0	794.1	818.7	836.8	859.9	882.6	900.2	936.4	958.0
30°	669.4	675.4	692.0	704.6	725.7	750.3	779.5	811.7	840.8	877.5	904.7
32.5°	582.3	588.9	602.5	613.5	637.2	657.8	690.0	729.7	756.9	807.6	843.9
35°	506.4	512.4	522.0	531.6	551.2	572.3	600.0	638.7	673.4	726.2	771.9
37.5°	453.1	454.1	459.6	465.2	479.8	495.9	517.5	551.7	583.9	640.7	691.0
40°	414.9	414.9	417.9	419.4	426.0	435.5	449.1	475.7	502.4	545.6	607.0
42.5°	391.3	390.2	390.2	390.7	390.2	394.8	402.8	415.4	439.0	474.7	522.5
45°	373.6	371.6	370.1	366.6	364.6	364.6	365.1	369.6	383.2	406.3	445.1
47.5°	354.0	353.5	351.0	347.0	343.5	341.0	336.9	335.4	339.5	352.5	378.7
50°	331.4	328.9	326.4	323.4	319.3	316.8	309.3	309.8	306.3	312.3	325.9
52.5°	298.2	296.2	295.2	292.7	291.2	290.2	284.1	278.1	276.6	277.6	282.6
55°	261.5	262.5	258.5	260.5	260.0	255.5	253.0	248.4	246.9	246.4	248.9
57.5°	223.3	224.3	221.8	223.8	223.8	221.3	219.8	219.8	216.2	213.2	216.7
60°	188.6	186.6	188.1	190.6	190.6	189.1	188.1	188.1	185.6	184.6	187.1
62.5°	160.4	158.4	159.9	162.4	162.9	161.9	160.9	160.9	157.9	157.9	159.9
65°	138.8	139.3	138.8	140.8	140.8	141.3	140.3	139.3	135.8	137.3	136.8
67.5°	123.2	122.7	122.7	124.7	124.2	125.2	124.2	122.7	120.2	118.2	117.7
70°	110.1	109.6	109.6	110.6	111.1	111.1	110.6	109.6	106.1	104.1	102.6
72.5°	98.6	98.1	98.6	99.1	99.6	100.1	99.6	98.6	95.5	93.0	90.5
75°	88.0	87.5	89.0	89.0	89.5	89.5	90.0	89.5	87.0	84.0	81.0
77.5°	77.4	77.9	79.5	80.0	81.0	81.5	82.0	82.0	79.5	76.9	72.9
80°	68.9	69.9	70.9	71.4	72.4	73.9	74.4	74.9	72.9	70.4	65.9
82.5°	62.9	63.4	64.4	64.9	66.4	66.9	67.4	68.4	67.4	64.9	59.8
85°	57.8	58.3	59.3	59.3	60.3	61.4	61.9	62.4	61.9	59.3	54.3
87.5°	53.3	53.8	54.3	54.8	55.3	55.8	56.3	56.8	56.3	53.8	49.3
90°	49.3	49.3	49.8	49.8	50.3	50.8	51.8	51.8	51.3	49.3	44.8
92.5°	44.8	45.3	45.3	45.8	46.3	46.8	47.3	47.3	46.8	44.8	40.7
95°	41.7	41.7	42.2	42.2	42.7	42.7	43.2	43.2	42.7	40.7	36.7
97.5°	38.2	38.2	38.2	38.2	38.7	38.7	39.2	39.2	38.7	36.7	33.2
100°	35.2	35.2	35.2	35.2	35.2	35.7	35.7	35.7	35.2	33.2	29.7
102.5°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	31.7	30.2	26.7
105°	31.2	31.2	31.2	30.7	30.7	30.7	30.2	30.2	28.7	27.2	24.1
107.5°	29.2	29.2	29.2	28.7	28.7	28.2	27.7	27.7	26.2	24.6	21.6
110°	27.7	27.7	27.7	27.2	26.7	26.2	25.6	25.1	23.6	21.6	19.1

TEST NUMBER: P1213732

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	26.2	26.2	25.6	25.6	25.1	24.6	23.6	23.1	21.6	19.6	17.1
115°	24.1	24.1	24.1	23.6	23.1	22.6	22.1	21.1	19.6	17.6	15.1
117.5°	22.1	22.1	22.1	21.6	21.1	20.6	20.1	19.1	17.6	15.6	13.6
120°	20.1	20.1	20.1	19.6	19.1	18.6	18.1	17.1	15.6	14.1	11.6
122.5°	18.6	18.6	18.1	17.6	17.1	16.6	16.1	15.1	14.1	12.1	10.1
125°	16.6	16.6	16.1	16.1	15.6	15.1	14.6	13.6	12.1	10.6	9.1
127.5°	15.1	14.6	14.6	14.6	14.1	13.6	12.6	12.1	10.6	9.1	7.5
130°	13.1	13.1	13.1	12.6	12.6	12.1	11.1	10.1	9.1	8.0	6.5
132.5°	11.6	11.6	11.6	11.6	11.1	10.6	9.6	9.1	8.0	6.5	5.5
135°	10.6	10.6	10.1	10.1	9.6	9.1	8.5	7.5	6.5	5.5	4.5
137.5°	9.1	9.1	9.1	8.5	8.5	8.0	7.0	6.5	6.0	5.0	4.0
140°	8.0	8.0	7.5	7.5	7.0	7.0	6.5	5.5	5.0	4.0	3.5
142.5°	7.0	7.0	6.5	6.5	6.0	6.0	5.5	5.0	4.0	3.5	2.5
145°	6.0	6.0	5.5	5.5	5.5	5.0	4.5	4.0	3.5	3.0	2.5
147.5°	5.0	5.0	5.0	4.5	4.5	4.0	4.0	3.5	3.0	2.5	2.0
150°	4.5	4.5	4.0	4.0	4.0	3.5	3.0	3.0	2.5	2.0	1.5
152.5°	3.5	3.5	3.5	3.5	3.0	3.0	2.5	2.5	2.0	1.5	1.5
155°	3.0	3.0	3.0	2.5	2.5	2.5	2.0	2.0	1.5	1.5	1.0
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: P1213732

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	973.6	973.6	973.6	973.6	973.6	973.6	973.6
2.5°	968.1	967.6	972.1	971.6	965.6	974.6	980.6
5°	965.6	965.1	969.1	970.1	963.5	973.1	979.6
7.5°	963.5	963.0	967.6	969.1	962.5	971.1	978.1
10°	964.0	961.5	965.6	966.6	960.5	969.6	975.6
12.5°	967.6	961.5	963.0	963.0	957.5	965.6	972.1
15°	976.1	963.5	961.5	960.0	953.0	960.5	967.1
17.5°	985.7	968.6	961.5	956.5	948.0	954.5	961.5
20°	995.2	974.1	962.5	954.5	942.9	949.0	954.0
22.5°	999.8	979.1	963.5	951.5	936.9	939.9	945.4
25°	993.7	977.1	961.5	946.9	929.3	929.8	934.4
27.5°	971.6	967.1	957.0	942.4	923.3	920.8	924.3
30°	933.9	946.4	946.9	936.4	916.3	911.2	912.8
32.5°	881.1	909.2	925.8	923.8	906.2	899.2	900.2
35°	820.2	855.4	891.6	903.7	891.1	885.6	883.6
37.5°	747.3	794.6	842.8	872.5	870.5	867.0	865.0
40°	666.8	723.7	781.0	828.3	842.8	842.8	843.9
42.5°	580.8	647.2	710.1	769.9	804.1	811.7	814.7
45°	497.9	564.7	633.1	702.0	747.8	771.4	780.0
47.5°	422.4	489.8	554.7	630.1	691.0	721.7	735.2
50°	358.1	408.3	476.7	551.7	618.1	655.8	682.4
52.5°	304.8	344.0	403.8	473.7	540.6	592.4	617.0
55°	260.0	286.6	337.4	397.8	461.7	515.5	544.1
57.5°	222.3	243.4	278.1	328.4	382.2	435.5	466.2
60°	189.1	203.7	227.3	267.0	312.8	358.6	388.2
62.5°	160.4	170.0	185.6	214.7	250.4	286.1	313.8
65°	138.3	142.3	150.9	169.0	196.1	223.3	246.9
67.5°	116.7	119.2	125.7	136.8	150.4	170.0	185.6
70°	100.6	100.6	101.1	107.6	114.7	127.2	138.3
72.5°	87.5	86.0	83.0	84.5	86.0	93.0	100.1
75°	76.9	73.4	68.4	66.4	65.4	66.4	70.4
77.5°	67.9	62.9	56.8	51.8	47.8	46.3	49.8
80°	60.3	54.3	47.3	40.7	34.2	30.7	32.2
82.5°	54.3	46.8	39.2	31.7	24.1	19.1	19.1
85°	47.8	40.7	32.7	24.6	17.1	10.6	9.6
87.5°	43.2	35.7	27.2	19.6	12.1	5.5	3.0
90°	38.7	31.2	23.1	15.6	8.5	2.5	0.0
92.5°	34.7	27.7	20.1	12.6	6.0	1.5	0.0
95°	31.2	24.6	17.1	10.6	5.0	1.0	0.5
97.5°	27.7	21.6	15.1	8.5	3.5	1.0	0.5
100°	25.1	19.1	13.1	7.0	3.0	0.5	0.5
102.5°	22.1	17.1	11.1	6.0	2.5	0.5	0.5
105°	19.6	15.1	9.6	5.0	2.0	0.5	0.5
107.5°	17.6	13.1	8.5	4.5	2.0	0.5	0.5
110°	15.6	11.6	7.5	4.0	1.5	0.5	0.5

TEST NUMBER: P1213732

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	14.1	10.1	6.5	3.5	1.0	0.5	0.5
115°	12.1	9.1	5.5	3.0	1.0	0.5	0.5
117.5°	10.6	7.5	5.0	2.5	1.0	0.5	0.5
120°	9.1	6.5	4.0	2.0	0.5	0.5	0.5
122.5°	8.0	5.5	3.5	2.0	0.5	0.5	0.5
125°	7.0	5.0	3.0	1.5	0.5	0.5	0.5
127.5°	6.0	4.0	2.5	1.0	0.5	0.5	0.5
130°	5.0	3.5	2.0	1.0	0.5	0.5	0.5
132.5°	4.0	3.0	2.0	1.0	0.5	0.5	0.5
135°	3.5	2.5	1.5	1.0	0.5	0.5	0.5
137.5°	3.0	2.0	1.0	1.0	1.0	0.5	0.5
140°	2.5	1.5	1.0	1.0	1.0	1.0	0.5
142.5°	2.0	1.5	1.0	1.0	1.0	1.0	0.5
145°	1.5	1.0	1.0	1.0	1.0	1.0	0.5
147.5°	1.5	1.0	1.0	1.0	1.0	1.0	0.5
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)