

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: P1213341

Luminaire Tested: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33520)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

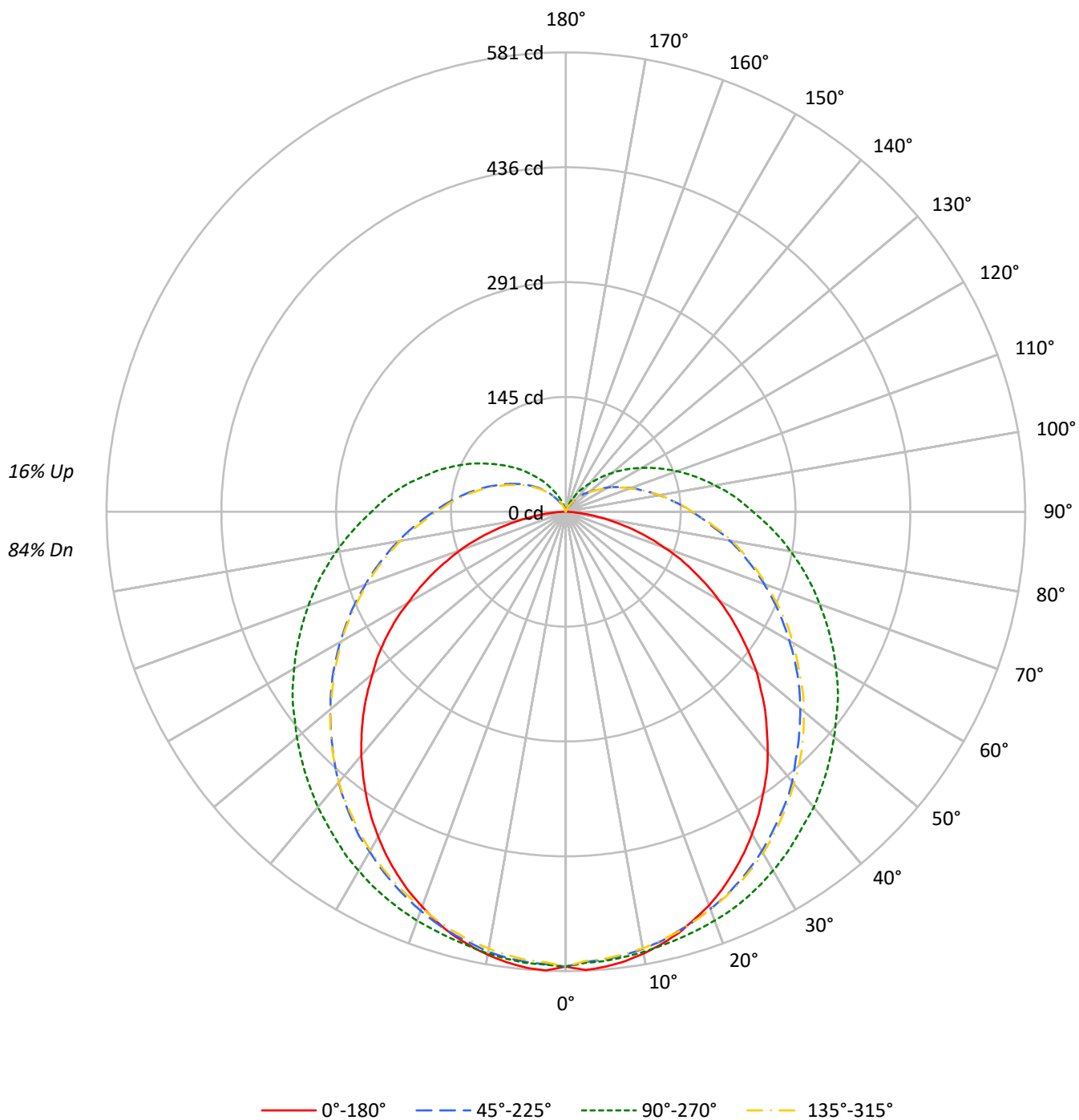
Lumens per Lamp: N/A
Luminaire Lumens: 2499.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 27
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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84		
1	102	96	91	86	98	92	87	83	85	81	77	78	75	72	72	70	67	64		
2	92	82	74	68	87	79	72	66	73	67	62	67	62	58	62	58	54	51		
3	83	71	62	55	79	69	60	54	63	56	51	58	52	48	54	49	45	42		
4	76	63	53	46	72	60	52	45	56	48	42	51	45	40	47	42	38	35		
5	69	56	46	39	66	54	45	38	50	42	36	46	39	34	42	37	33	30		
6	64	50	41	34	61	48	39	33	45	37	31	41	35	30	38	33	28	26		
7	59	45	36	30	56	43	35	29	40	33	28	38	31	26	35	29	25	23		
8	55	41	32	26	52	40	31	26	37	30	24	34	28	23	32	26	22	20		
9	51	37	29	23	49	36	28	23	34	27	22	32	25	21	30	24	20	18		
10	48	34	26	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9296	9296	9296	9296
5°	9320	8958	9339	8997
10°	9209	8704	9238	8732
15°	9076	8486	9117	8495
20°	8908	8327	8938	8327
25°	8705	8186	8757	8177
30°	8480	8040	8547	8040
35°	8223	7906	8315	7915
40°	7967	7826	8065	7826
45°	7676	7744	7792	7754
50°	7369	7694	7467	7715
55°	6953	7703	7173	7736
60°	6513	7726	6726	7773
65°	6016	7803	6283	7879
70°	5336	7947	5751	8061
75°	4547	8206	4977	8364
80°	3374	8591	3834	8790
85°	1839	9208	2293	9464

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 270°

Vertical Angle: 90°

Luminance: 10579 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	2.2
10°-20°	156.6	6.3
20°-30°	240.1	9.6
30°-40°	296.2	11.9
40°-50°	321.4	12.9
50°-60°	316.7	12.7
60°-70°	286.4	11.5
70°-80°	238.6	9.5
80°-90°	184.8	7.4
90°-100°	140.1	5.6
100°-110°	103.7	4.2
110°-120°	72.1	2.9
120°-130°	46.0	1.8
130°-140°	25.8	1.0
140°-150°	11.8	0.5
150°-160°	3.7	0.1
160°-170°	0.5	0.0
170°-180°	0.0	0.0
0°-30°	451.2	18.1
0°-40°	747.4	29.9
0°-60°	1385.5	55.4
0°-90°	2095.2	83.8
90°-120°	316.0	12.6
90°-150°	399.6	16.0
90°-180°	404.0	16.2
0°-180°	2499.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	575	575	575	575	575	
5°	578	570	579	573	578	55
15°	552	558	554	559	552	155
25°	502	539	505	539	502	231
35°	435	506	440	507	435	272
45°	357	466	362	467	357	275
55°	269	420	277	422	269	241
65°	178	368	186	372	178	177
75°	90	316	98	322	90	95
85°	17	263	21	270	17	21
90°	1	237	1	246	1	1
95°	1	215	1	225	1	0
105°	1	170	1	181	1	1
115°	1	130	1	141	1	1
125°	1	93	1	104	1	1
135°	1	61	1	72	1	0
145°	1	35	1	43	1	0
155°	1	15	1	20	1	0
165°	1	2	1	4	1	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°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	580.1	580.1	579.4	578.2	578.8	580.7	579.4	576.4	574.6	569.7	570.9
5°	577.6	577.6	577.0	575.8	576.4	578.8	577.6	575.2	572.8	568.5	570.3
7.5°	573.4	573.4	572.8	571.6	572.8	575.2	574.0	571.6	569.7	565.5	567.3
10°	567.3	567.9	567.3	565.5	567.9	570.3	569.7	566.7	564.9	561.2	563.1
12.5°	560.0	560.6	560.0	559.4	560.6	564.3	563.1	560.6	559.4	556.4	558.2
15°	551.5	552.1	550.9	550.9	552.1	555.8	555.8	553.4	552.1	549.1	552.7
17.5°	540.6	541.2	540.6	540.6	541.8	545.5	546.1	544.9	543.6	542.4	546.1
20°	529.7	529.1	529.1	528.5	530.9	536.4	535.8	535.8	534.5	534.5	538.8
22.5°	516.9	516.9	516.3	516.3	519.4	524.2	524.2	525.4	524.2	526.7	530.3
25°	502.4	503.0	502.4	503.6	506.0	511.5	512.1	513.9	514.5	516.9	521.2
27.5°	487.2	487.8	487.2	488.4	492.7	496.9	500.0	502.4	503.0	506.6	512.1
30°	470.8	470.8	471.4	472.7	477.5	484.2	486.6	489.6	489.6	495.7	501.2
32.5°	453.8	453.8	453.8	456.3	461.7	469.6	472.7	476.3	477.5	483.6	489.6
35°	435.0	435.6	435.6	437.5	444.7	452.6	456.9	461.1	463.6	470.8	476.9
37.5°	417.4	418.7	416.8	419.3	429.6	436.3	441.1	445.4	449.6	459.3	464.2
40°	397.4	398.6	398.0	402.9	411.4	419.9	425.3	429.6	435.6	445.4	450.8
42.5°	376.2	377.4	378.6	384.1	393.2	401.7	408.3	413.8	421.1	429.6	438.7
45°	356.8	356.8	358.6	365.3	375.0	384.1	392.0	398.0	406.5	415.6	424.7
47.5°	334.9	335.5	338.0	345.8	356.2	367.1	374.4	382.3	391.4	401.1	411.4
50°	314.9	314.9	318.5	327.0	336.7	348.9	356.8	365.9	375.6	387.1	397.4
52.5°	291.8	293.1	298.5	306.4	319.1	330.1	339.2	348.9	360.4	372.5	384.1
55°	268.8	271.2	275.5	286.4	299.7	310.0	321.0	333.1	344.0	357.4	370.7
57.5°	246.3	248.2	254.8	265.8	279.7	292.5	304.0	315.5	328.9	342.2	356.2
60°	223.3	225.7	233.6	244.5	259.7	273.0	286.4	298.5	312.5	326.4	341.0
62.5°	201.4	203.3	212.4	225.1	240.3	254.8	268.2	282.7	297.9	311.3	325.8
65°	178.4	181.4	191.7	203.3	220.9	235.4	250.6	266.4	282.1	296.7	310.7
67.5°	157.1	159.0	169.9	183.2	200.8	217.2	233.0	250.0	266.4	281.5	295.5
70°	132.3	138.3	149.3	163.2	182.0	199.0	216.0	233.6	251.2	267.0	280.3
72.5°	111.6	116.5	128.6	143.8	162.0	182.0	199.6	218.4	236.0	252.4	266.4
75°	89.8	94.7	108.6	125.6	144.4	165.6	183.8	203.3	221.5	237.8	252.4
77.5°	68.6	74.6	89.8	107.4	128.0	149.9	168.7	188.1	206.9	224.5	239.1
80°	49.1	55.8	72.2	92.2	112.2	134.1	154.7	174.1	192.9	210.5	225.7
82.5°	31.6	38.8	56.4	76.5	97.7	119.5	140.8	160.2	179.0	196.6	212.4
85°	17.0	24.9	43.1	63.1	84.3	106.2	127.4	148.0	166.2	182.6	199.6
87.5°	4.9	14.6	32.2	52.2	74.0	94.0	114.7	135.3	153.5	171.1	186.3
90°	0.6	8.5	24.3	43.1	64.3	83.7	104.4	123.8	142.0	159.6	174.7
92.5°	0.6	5.5	18.8	35.8	55.2	75.2	95.9	114.7	131.7	149.3	164.4
95°	0.6	4.2	15.2	30.3	48.5	67.3	86.8	105.0	122.6	138.9	154.1
97.5°	0.6	3.0	12.1	26.1	42.5	60.1	78.9	97.1	114.1	129.8	143.8
100°	0.6	2.4	9.7	22.4	37.0	54.0	71.0	88.6	105.0	120.1	134.7
102.5°	0.6	1.8	8.5	18.8	32.8	47.9	64.3	80.7	96.5	111.0	125.6
105°	0.6	1.8	7.3	16.4	29.1	43.1	58.2	74.0	88.6	102.5	115.9
107.5°	0.6	1.2	6.1	14.0	25.5	38.8	52.8	68.0	81.3	94.7	107.4
110°	0.6	1.2	4.9	12.7	22.4	34.6	47.9	61.9	74.6	87.4	99.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.6	1.2	4.2	10.9	19.4	30.9	43.1	55.8	68.0	80.7	91.6
115°	0.6	1.2	3.6	9.7	18.2	26.7	38.8	50.4	62.5	74.0	84.3
117.5°	0.6	1.2	3.0	7.9	15.8	24.3	34.0	45.5	56.4	67.3	77.1
120°	0.6	1.2	2.4	7.3	14.0	21.8	30.3	40.7	51.0	61.3	71.6
122.5°	0.6	0.6	2.4	6.1	12.1	19.4	27.9	35.8	45.5	55.2	64.3
125°	0.6	0.6	2.4	5.5	10.3	17.6	24.9	32.2	40.7	49.1	57.0
127.5°	0.6	0.6	1.8	4.2	9.1	15.2	21.8	29.7	35.8	43.7	51.6
130°	0.6	0.6	1.8	3.6	7.9	12.7	19.4	26.1	33.4	38.8	45.5
132.5°	0.6	0.6	1.8	3.0	6.1	10.3	16.4	22.4	29.1	35.2	40.7
135°	0.6	0.6	1.2	2.4	4.9	8.5	13.3	18.8	25.5	31.6	37.0
137.5°	0.6	0.6	1.2	2.4	3.6	7.3	10.3	15.2	21.2	26.7	32.2
140°	0.6	0.6	1.2	1.8	3.0	5.5	8.5	12.1	17.0	21.8	27.9
142.5°	0.6	0.6	0.6	1.8	2.4	4.2	6.7	9.7	13.3	17.6	22.4
145°	0.6	0.6	0.6	1.8	2.4	3.0	5.5	7.9	10.3	13.3	17.6
147.5°	0.6	0.6	0.6	1.2	1.8	2.4	4.2	6.1	7.9	10.3	12.7
150°	0.6	0.6	0.6	1.2	1.8	2.4	3.0	4.2	6.1	8.5	10.3
152.5°	0.6	0.6	0.6	1.2	1.2	1.8	2.4	3.0	4.2	6.1	7.3
155°	0.6	0.6	0.6	0.6	1.2	1.8	2.4	2.4	3.0	4.2	5.5
157.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.8	1.8	2.4	2.4	3.6
160°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.8	1.8	1.8	1.8
162.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.8	1.8
165°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
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°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	570.9	571.6	573.4	573.4	572.2	572.2	571.6	570.9	571.6	572.8	572.8
5°	569.7	570.3	572.2	572.8	571.6	570.9	570.9	570.3	570.9	572.2	572.2
7.5°	567.3	567.9	569.7	570.3	569.1	569.1	568.5	567.9	569.1	569.7	569.7
10°	563.7	564.3	566.7	567.3	566.7	566.1	566.1	565.5	566.1	567.3	567.3
12.5°	558.8	560.0	563.1	563.1	563.1	562.5	562.5	561.8	562.5	563.7	563.1
15°	553.4	555.8	558.2	559.4	559.4	559.4	558.8	558.2	559.4	560.0	559.4
17.5°	547.3	550.3	554.0	555.2	555.2	555.8	555.2	554.6	555.8	555.8	555.2
20°	541.2	544.3	547.9	549.1	550.3	550.9	550.9	550.3	550.9	551.5	550.9
22.5°	533.3	537.0	541.2	543.0	544.3	545.5	545.5	545.5	546.1	546.7	545.5
25°	524.8	529.1	533.9	535.8	538.2	538.8	539.4	539.4	540.0	540.6	538.8
27.5°	515.7	520.6	525.4	528.5	530.3	531.5	531.5	532.1	532.7	533.3	531.5
30°	504.8	512.1	516.3	518.8	521.2	523.0	523.6	524.2	524.8	525.4	523.6
32.5°	495.1	501.2	506.6	509.7	512.7	515.1	515.7	515.7	516.9	516.9	515.1
35°	483.6	490.9	496.3	499.4	503.0	504.8	506.0	506.0	507.2	507.2	505.4
37.5°	472.0	479.3	485.4	489.0	493.3	495.7	496.3	496.3	497.5	497.5	495.1
40°	459.9	467.8	474.5	478.7	482.4	485.4	486.0	487.8	487.8	487.2	484.8
42.5°	447.8	455.1	462.3	467.2	472.0	475.1	476.3	476.9	476.9	476.3	474.5
45°	434.4	442.9	449.6	455.7	460.5	463.6	465.4	466.0	466.0	464.8	462.9
47.5°	421.7	430.2	436.9	443.5	448.4	452.0	453.8	454.5	453.8	453.2	451.4
50°	408.3	418.0	424.7	431.4	436.3	439.3	442.3	442.9	442.3	441.7	438.1
52.5°	394.4	404.7	412.0	418.7	424.1	427.8	430.2	430.8	430.8	429.6	427.2
55°	380.4	389.5	398.6	405.9	412.0	415.6	418.7	419.9	418.7	417.4	414.4
57.5°	367.7	376.2	385.3	393.2	399.2	404.1	406.5	407.7	406.5	404.7	401.7
60°	352.5	361.6	371.9	379.2	385.9	390.7	392.0	394.4	393.2	391.4	388.3
62.5°	338.0	348.9	358.0	367.1	372.5	378.0	380.4	381.6	380.4	378.6	375.6
65°	322.8	334.9	344.0	353.1	359.2	364.7	367.7	368.3	367.1	365.3	362.2
67.5°	308.8	320.4	330.1	339.8	345.2	350.7	353.7	354.9	353.7	351.3	348.3
70°	294.9	306.4	317.9	325.2	331.9	338.0	339.8	341.6	340.4	338.0	334.3
72.5°	280.9	293.1	304.6	311.9	319.1	324.6	327.0	328.9	327.6	325.2	321.0
75°	266.4	279.1	290.6	298.5	305.8	311.3	313.7	315.5	314.3	311.9	307.0
77.5°	253.0	265.8	276.7	285.2	292.5	297.3	301.6	302.2	300.9	298.5	293.7
80°	239.1	251.8	263.3	271.8	279.1	284.0	287.0	288.8	287.6	285.2	280.3
82.5°	226.9	238.5	250.0	258.5	265.8	271.8	274.2	276.1	275.5	271.8	268.2
85°	213.6	226.9	236.0	245.1	252.4	258.5	260.3	262.7	262.1	259.1	254.2
87.5°	200.2	213.6	224.5	233.6	240.3	245.1	248.2	249.4	248.8	245.7	240.3
90°	189.3	201.4	212.4	222.1	227.5	233.0	236.0	236.6	236.6	233.0	228.7
92.5°	179.0	190.5	201.4	210.5	217.2	222.1	224.5	225.7	225.1	222.1	217.2
95°	167.5	180.2	190.5	199.6	206.3	211.1	213.6	214.8	214.2	211.1	206.3
97.5°	157.8	169.3	179.6	188.1	194.8	199.6	202.0	203.3	203.3	200.2	195.4
100°	148.0	159.6	169.3	177.8	183.8	188.7	191.1	191.7	191.1	188.7	183.8
102.5°	138.3	149.3	159.0	166.9	173.5	177.8	180.2	180.8	180.8	177.8	172.9
105°	128.6	139.6	148.7	157.1	162.6	166.9	168.7	170.5	169.9	167.5	162.6
107.5°	119.5	130.5	138.9	146.8	152.3	156.5	158.4	160.2	159.6	157.1	152.3
110°	111.0	121.3	129.2	137.1	142.0	146.2	149.3	149.9	148.7	146.2	142.0

TEST NUMBER: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	103.1	112.2	120.1	127.4	132.9	135.9	138.3	139.6	138.3	135.9	132.9
115°	94.7	103.8	111.6	118.3	123.2	126.8	128.6	129.8	128.6	126.2	123.2
117.5°	86.8	95.3	103.1	109.8	114.1	117.1	118.9	120.1	118.9	117.1	114.1
120°	80.1	87.4	94.7	100.7	105.6	108.0	109.8	111.0	110.4	108.0	105.0
122.5°	72.2	80.1	86.8	92.8	97.1	99.5	100.7	101.9	101.3	99.5	96.5
125°	65.5	72.2	78.9	84.3	88.6	91.0	92.2	93.4	92.8	91.0	87.4
127.5°	58.2	65.5	71.0	76.5	79.5	83.1	83.7	84.9	84.3	82.5	79.5
130°	52.8	58.2	63.7	68.6	72.2	74.6	75.8	76.5	75.2	74.0	71.0
132.5°	46.1	52.2	57.0	61.3	63.7	66.1	67.3	68.0	68.0	66.1	63.7
135°	41.3	45.5	49.8	54.0	56.4	58.9	60.1	60.7	60.1	58.9	56.4
137.5°	37.0	40.7	43.7	47.3	50.4	51.6	52.8	52.8	52.2	51.6	49.8
140°	32.2	36.4	39.4	41.9	44.3	44.9	46.1	46.1	45.5	44.9	43.7
142.5°	27.3	30.9	34.0	37.0	38.8	40.0	40.7	41.3	40.7	40.0	38.2
145°	21.8	26.1	29.1	30.9	33.4	34.0	34.6	35.2	34.6	34.0	32.2
147.5°	17.0	20.6	23.7	26.1	27.9	28.5	29.1	29.7	29.1	27.9	27.3
150°	12.1	15.2	18.8	21.2	22.4	23.7	23.7	23.7	24.3	23.1	21.8
152.5°	9.7	10.9	13.3	15.8	17.6	18.2	18.8	18.8	18.2	18.2	17.0
155°	6.7	7.9	9.7	11.5	13.3	14.0	14.6	14.6	14.0	14.0	13.3
157.5°	4.2	5.5	6.7	7.9	9.7	10.3	10.9	10.9	10.9	10.3	9.7
160°	2.4	3.0	3.6	4.9	6.1	6.7	7.3	7.3	7.3	7.3	6.7
162.5°	1.8	1.8	1.8	2.4	3.0	3.6	4.2	4.2	4.2	4.2	3.6
165°	1.2	1.2	1.2	1.2	1.2	1.8	2.4	2.4	2.4	2.4	2.4
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: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	572.2	572.2	572.8	571.6	567.9	568.5	568.5	570.9	572.2	572.8	575.8
5°	570.9	570.9	572.2	570.3	567.3	567.3	567.3	569.7	570.3	571.6	574.0
7.5°	569.1	569.1	569.7	567.9	564.3	564.3	563.7	566.1	567.3	567.9	570.3
10°	566.1	566.1	566.7	564.9	560.6	560.6	560.0	561.8	562.5	563.7	565.5
12.5°	561.8	561.8	561.8	560.0	555.8	555.2	554.6	556.4	556.4	557.0	558.8
15°	558.2	557.0	557.0	555.2	550.9	549.7	548.5	549.1	550.3	549.7	550.9
17.5°	554.0	552.7	551.5	549.7	544.3	542.4	541.2	541.8	541.2	540.6	541.8
20°	549.1	547.3	546.7	543.6	538.2	535.2	532.7	531.5	532.1	530.3	530.9
22.5°	543.6	541.2	540.0	536.4	530.9	527.3	524.2	521.8	521.2	518.8	519.4
25°	537.0	533.9	532.1	529.1	523.0	518.8	515.1	511.5	509.7	506.6	506.0
27.5°	529.1	526.0	523.6	520.6	514.5	509.1	504.8	500.0	497.5	493.9	492.1
30°	521.2	517.6	513.9	511.5	504.8	498.7	492.1	487.8	484.2	479.9	476.9
32.5°	511.5	507.8	504.2	500.6	494.5	487.2	481.8	475.1	470.8	466.0	462.3
35°	501.8	496.9	493.3	488.4	483.0	474.5	467.8	461.1	455.7	450.2	446.0
37.5°	490.9	487.2	481.8	477.5	470.8	462.3	455.1	446.6	441.7	434.4	429.0
40°	480.5	476.3	470.8	465.4	458.7	449.0	441.1	431.4	425.9	417.4	412.0
42.5°	470.2	464.2	458.7	452.6	445.4	436.3	426.5	416.8	409.6	401.7	393.8
45°	458.7	452.0	445.4	438.7	431.4	422.3	412.0	401.7	392.6	385.3	375.6
47.5°	446.6	439.9	432.0	424.7	416.8	407.7	396.8	385.9	376.2	367.7	357.4
50°	434.4	427.8	419.3	411.4	402.3	393.2	381.6	368.9	358.6	347.7	338.6
52.5°	421.7	415.0	407.1	396.8	387.1	378.0	365.9	352.5	341.0	331.9	320.4
55°	408.9	402.3	393.2	382.9	373.1	361.6	350.1	336.7	324.0	313.1	301.6
57.5°	395.6	389.5	379.2	370.7	358.6	346.5	334.3	321.6	307.6	294.9	281.5
60°	382.3	375.6	365.9	355.6	343.4	331.3	318.5	304.6	290.0	276.1	263.9
62.5°	370.1	361.6	352.5	341.6	328.9	317.3	302.8	287.6	273.0	258.5	243.9
65°	356.2	347.1	338.6	327.6	314.3	300.9	286.4	271.2	255.4	239.7	225.1
67.5°	342.2	333.1	324.0	313.1	299.1	285.2	270.0	254.8	237.2	222.1	205.1
70°	328.3	321.0	309.4	297.9	285.2	270.0	254.8	238.5	220.2	203.9	186.3
72.5°	314.3	307.0	295.5	283.4	271.2	255.4	239.1	222.7	205.7	186.9	168.1
75°	300.9	291.8	281.5	270.0	257.3	240.9	224.5	207.5	187.5	169.9	150.5
77.5°	288.2	279.7	269.4	256.7	242.7	226.9	209.9	192.3	172.3	153.5	132.3
80°	274.2	265.8	255.4	242.7	228.7	213.6	195.4	177.2	157.8	137.1	115.3
82.5°	260.9	253.0	241.5	230.0	214.8	199.6	181.4	163.2	142.6	122.6	101.3
85°	246.9	239.1	228.1	216.0	201.4	185.1	168.1	149.9	129.2	108.6	87.4
87.5°	234.8	225.7	214.8	202.7	188.1	172.3	155.9	136.5	116.5	96.5	74.6
90°	222.1	213.6	202.7	190.5	176.0	160.2	143.2	125.0	105.6	84.9	64.3
92.5°	211.1	202.0	191.7	179.6	165.0	149.9	132.9	114.7	95.9	75.8	55.8
95°	200.2	191.1	181.4	169.3	154.7	139.6	122.6	105.0	86.8	67.3	48.5
97.5°	188.1	180.2	170.5	159.0	144.4	129.8	113.5	96.5	78.9	60.1	42.5
100°	178.4	169.3	160.2	148.0	134.7	120.7	104.4	88.0	71.0	53.4	37.0
102.5°	167.5	159.0	149.9	138.3	125.0	111.0	95.9	80.1	64.3	47.9	32.2
105°	157.1	149.3	139.6	128.6	115.9	102.5	88.0	73.4	58.2	42.5	28.5
107.5°	146.8	138.9	129.8	119.5	107.4	94.0	80.7	66.1	52.2	38.2	25.5
110°	136.5	129.2	120.7	110.4	98.9	86.8	74.0	60.7	46.7	34.0	22.4

TEST NUMBER: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	127.4	120.1	111.6	101.9	91.0	79.5	67.3	54.6	41.9	30.3	19.4
115°	118.3	111.6	103.1	94.7	83.7	72.8	61.3	49.1	37.6	27.3	17.0
117.5°	109.2	102.5	94.7	86.2	76.5	66.1	55.2	43.7	34.0	24.3	15.2
120°	100.1	94.0	86.8	78.9	70.4	60.1	49.1	39.4	30.3	21.2	13.3
122.5°	91.6	86.2	79.5	72.2	63.1	53.4	44.3	35.8	27.3	18.8	10.9
125°	83.7	78.3	72.2	64.9	56.4	47.9	40.0	32.2	23.7	16.4	9.1
127.5°	75.8	70.4	64.3	57.6	51.0	43.1	35.8	28.5	21.2	14.6	7.9
130°	68.0	63.1	57.6	52.2	45.5	38.2	32.2	24.9	18.2	11.5	6.7
132.5°	60.1	56.4	51.6	46.1	40.0	34.6	27.9	21.8	15.8	10.3	6.1
135°	53.4	49.8	45.5	40.7	35.8	30.3	24.3	18.8	13.3	8.5	4.9
137.5°	47.3	44.3	40.0	35.8	31.6	26.1	21.2	15.8	10.9	7.3	3.6
140°	41.9	38.8	35.2	30.9	27.3	22.4	17.6	12.7	9.7	6.1	3.0
142.5°	36.4	33.4	30.3	26.7	23.1	18.8	14.6	10.9	7.9	4.9	3.0
145°	30.9	28.5	25.5	22.4	18.8	15.2	12.1	9.1	6.1	3.6	2.4
147.5°	25.5	23.7	20.6	18.2	15.2	12.1	9.7	7.3	4.9	3.0	1.8
150°	20.6	18.8	16.4	14.0	12.1	9.7	7.9	5.5	3.6	3.0	1.8
152.5°	15.8	14.6	12.7	11.5	9.7	7.3	5.5	4.2	3.0	2.4	1.2
155°	12.7	11.5	10.3	8.5	7.3	5.5	4.2	3.0	2.4	1.8	1.2
157.5°	9.1	8.5	7.3	6.1	4.9	3.6	3.0	3.0	1.8	1.2	0.6
160°	6.1	5.5	4.9	3.6	3.0	3.0	2.4	1.8	1.2	1.2	0.6
162.5°	3.6	3.0	3.0	3.0	2.4	2.4	1.8	1.2	1.2	0.6	0.6
165°	2.4	2.4	2.4	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6
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: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	575.8	574.0	576.4	580.7	581.3	580.7	579.4	581.3	583.7	583.1	578.8
5°	574.6	572.2	574.6	578.8	578.8	578.2	577.6	579.4	581.9	581.3	577.6
7.5°	570.9	568.5	570.9	574.6	575.2	574.0	574.0	575.8	578.2	577.6	574.6
10°	566.1	563.7	564.9	569.1	570.3	569.1	569.1	570.9	574.0	573.4	569.7
12.5°	558.8	557.0	558.2	561.8	563.1	562.5	561.8	564.3	567.3	567.3	563.7
15°	550.9	548.5	549.7	554.0	554.6	553.4	554.0	555.8	559.4	559.4	556.4
17.5°	541.8	538.8	540.6	543.6	544.3	544.3	544.3	546.7	550.9	550.3	547.9
20°	531.5	527.3	528.5	531.5	532.7	532.7	532.7	537.0	540.0	540.0	537.6
22.5°	519.4	516.3	516.3	519.4	521.2	520.6	520.6	524.2	528.5	527.9	527.9
25°	505.4	503.0	501.8	505.4	506.0	506.6	507.8	511.5	516.3	516.3	516.9
27.5°	490.9	488.4	487.8	490.9	491.5	492.1	493.3	497.5	502.4	503.0	504.2
30°	476.9	473.3	472.0	474.5	475.7	476.3	476.3	483.0	487.2	489.0	491.5
32.5°	460.5	456.9	453.8	458.1	458.7	459.9	460.5	467.2	472.0	475.1	478.7
35°	444.1	438.1	436.9	439.9	441.1	441.7	442.9	450.2	456.9	459.3	464.2
37.5°	425.9	421.7	418.0	421.1	422.3	422.9	426.5	433.2	439.9	443.5	448.4
40°	408.9	403.5	400.5	402.3	403.5	404.1	408.3	415.6	423.5	427.8	433.8
42.5°	390.1	382.9	380.4	382.3	382.9	384.7	388.3	398.0	405.9	412.0	416.8
45°	371.3	365.9	360.4	362.2	362.8	364.0	369.5	379.8	388.3	395.6	401.1
47.5°	351.9	345.2	339.8	341.0	343.4	344.0	350.1	362.2	370.1	378.0	385.3
50°	332.5	323.4	319.1	319.1	320.4	323.4	331.3	343.4	351.9	361.0	368.9
52.5°	312.5	304.0	299.1	299.7	300.9	304.6	311.9	324.0	333.7	343.4	353.1
55°	292.5	283.4	278.5	277.3	278.5	283.4	291.8	304.6	314.3	325.8	336.1
57.5°	272.4	261.5	257.3	255.4	256.7	262.7	271.2	284.6	296.7	307.6	319.8
60°	250.6	242.1	234.8	230.6	233.6	241.5	250.6	264.5	277.3	289.4	302.8
62.5°	231.8	220.9	213.0	208.7	211.8	218.4	231.2	244.5	258.5	272.4	285.8
65°	210.5	199.6	190.5	186.3	189.3	197.2	209.9	224.5	239.7	253.6	269.4
67.5°	189.9	178.4	167.5	163.2	166.9	175.3	189.3	205.7	222.1	236.6	253.6
70°	169.9	157.1	145.6	142.6	145.0	156.5	169.9	186.3	203.3	220.2	237.8
72.5°	151.7	135.9	123.8	120.1	123.2	135.9	151.1	168.1	186.3	204.5	223.3
75°	130.5	115.9	102.5	98.3	101.9	113.5	132.3	150.5	169.9	189.3	206.9
77.5°	113.5	96.5	82.5	75.8	81.9	96.5	114.7	134.1	154.1	174.1	194.2
80°	95.9	78.3	63.1	55.8	62.5	78.3	96.5	117.7	140.2	160.2	178.4
82.5°	80.1	61.3	45.5	37.6	44.9	62.5	82.5	103.8	125.6	145.6	166.9
85°	65.5	46.1	29.7	21.2	31.6	47.3	68.6	90.4	112.9	133.5	154.1
87.5°	53.4	34.6	18.2	9.1	19.4	37.0	57.0	78.9	101.3	122.0	141.4
90°	43.7	24.9	9.7	1.2	11.5	27.9	47.3	68.6	89.8	111.0	130.5
92.5°	35.8	18.8	5.5	0.6	7.3	22.4	40.7	60.7	81.3	101.9	120.7
95°	29.7	14.6	3.6	0.6	5.5	17.6	34.6	54.0	73.4	93.4	112.2
97.5°	25.5	12.1	3.0	0.6	4.2	15.2	29.7	47.9	66.7	85.6	103.8
100°	21.8	9.7	2.4	0.6	3.6	12.7	26.1	42.5	60.1	78.3	95.9
102.5°	18.8	7.9	1.8	0.6	3.0	10.9	23.1	38.2	54.0	71.6	88.6
105°	16.4	6.7	1.8	0.6	2.4	9.7	20.6	34.0	49.8	65.5	81.9
107.5°	14.0	5.5	1.2	0.6	1.8	7.9	18.2	30.9	44.9	60.1	75.2
110°	12.1	4.9	1.2	0.6	1.8	7.3	15.8	27.9	40.7	54.6	69.2

TEST NUMBER: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	10.3	3.6	1.2	0.6	1.2	6.1	14.0	24.9	37.0	49.8	63.7
115°	9.1	3.0	0.6	0.6	1.2	5.5	12.7	22.4	33.4	45.5	58.2
117.5°	7.3	2.4	0.6	0.6	0.6	4.2	10.9	20.0	30.3	41.9	53.4
120°	6.1	2.4	0.6	0.6	0.6	3.6	9.7	17.6	27.3	37.6	48.5
122.5°	5.5	1.8	0.6	0.6	0.6	3.0	8.5	15.8	24.3	34.0	44.3
125°	4.9	1.8	0.6	0.6	0.6	2.4	7.3	14.0	21.8	30.3	40.0
127.5°	3.6	1.8	0.6	0.6	0.6	1.8	6.7	12.1	19.4	27.3	35.8
130°	3.0	1.2	0.6	0.6	0.6	1.8	5.5	10.9	17.0	24.3	32.2
132.5°	2.4	1.2	0.6	0.6	0.6	1.2	4.2	8.5	14.6	21.2	28.5
135°	2.4	1.2	0.6	0.6	0.6	1.2	3.0	7.3	12.1	18.2	24.3
137.5°	2.4	0.6	0.6	0.6	0.6	1.2	2.4	5.5	9.7	14.6	20.0
140°	1.8	0.6	0.6	0.6	0.6	0.6	1.8	4.2	7.9	12.1	17.0
142.5°	1.8	0.6	0.6	0.6	0.6	0.6	1.8	3.0	6.1	9.7	13.3
145°	1.2	0.6	0.6	0.6	0.6	0.6	1.2	2.4	4.9	7.3	10.9
147.5°	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.8	3.6	6.1	8.5
150°	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.8	2.4	4.2	6.7
152.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.8	3.0	4.2
155°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8	2.4	3.0
157.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.8	2.4
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.8
162.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
165°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	577.0	572.8	574.0	573.4	574.6	576.4	576.4	575.8	575.8	574.6	573.4
5°	575.8	571.6	573.4	572.8	574.0	575.8	575.8	575.2	575.2	573.4	572.8
7.5°	572.2	569.1	570.3	570.3	571.6	573.4	573.4	572.8	572.8	570.9	570.3
10°	568.5	564.9	566.7	566.7	567.9	570.3	570.3	569.7	569.7	567.9	567.3
12.5°	562.5	558.8	561.8	562.5	563.7	566.1	565.5	565.5	565.5	563.7	563.1
15°	555.2	552.7	555.8	556.4	558.2	561.2	561.2	561.2	561.2	559.4	558.8
17.5°	547.3	545.5	548.5	549.7	552.1	555.2	555.2	555.8	556.4	555.2	554.6
20°	538.2	537.0	540.0	542.4	546.1	549.1	550.3	550.9	552.1	550.9	550.3
22.5°	527.9	527.9	532.1	534.5	538.8	541.8	543.6	545.5	546.7	545.5	544.9
25°	516.3	518.2	522.4	526.7	531.5	534.5	536.4	538.8	540.0	539.4	538.8
27.5°	505.4	507.8	513.3	517.6	521.8	526.7	528.5	531.5	532.7	532.7	532.1
30°	492.7	496.3	502.4	507.2	512.7	517.6	520.0	523.0	524.8	523.6	524.2
32.5°	480.5	486.6	491.5	496.9	503.0	507.8	510.9	514.5	516.3	515.7	516.3
35°	467.2	473.3	479.9	485.4	492.7	497.5	501.8	504.8	507.2	506.6	506.6
37.5°	452.6	460.5	467.2	474.5	481.2	486.6	490.9	494.5	496.9	496.9	496.9
40°	438.7	447.2	453.8	462.3	470.8	475.7	480.5	484.2	486.6	487.2	487.8
42.5°	423.5	432.6	440.5	449.6	458.1	464.2	469.6	473.9	476.3	477.5	476.9
45°	409.6	418.0	427.2	437.5	445.4	451.4	458.1	462.9	465.4	466.0	466.6
47.5°	393.8	403.5	413.8	424.1	432.0	439.9	446.0	450.8	453.2	455.1	455.1
50°	378.6	388.9	400.5	411.4	419.9	427.8	433.8	439.3	442.3	443.5	444.1
52.5°	364.7	374.4	386.5	397.4	405.9	413.8	421.7	427.8	430.8	432.0	432.0
55°	347.7	359.8	373.1	383.5	392.6	401.7	409.6	415.6	418.7	420.5	421.7
57.5°	331.9	344.6	358.6	369.5	380.4	388.9	396.2	404.1	406.5	408.9	409.6
60°	316.7	329.5	342.8	354.9	365.9	375.0	383.5	390.1	394.4	395.6	396.8
62.5°	300.9	314.3	328.3	340.4	351.9	362.8	370.7	376.8	381.6	383.5	384.7
65°	285.8	299.7	313.7	326.4	338.6	349.5	357.4	363.4	368.3	371.3	371.9
67.5°	269.4	284.6	299.1	312.5	324.6	336.1	344.0	350.1	354.9	358.6	359.2
70°	254.2	270.0	284.6	299.1	311.3	322.8	331.3	337.4	342.8	345.2	346.5
72.5°	239.7	256.0	271.2	285.8	297.9	309.4	318.5	324.6	330.1	333.1	333.7
75°	225.7	242.1	258.5	272.4	285.2	296.7	305.8	312.5	317.3	320.4	321.6
77.5°	211.8	228.7	245.1	259.1	272.4	284.0	291.8	299.7	304.6	308.2	308.2
80°	197.8	215.4	232.4	246.3	259.7	270.0	279.1	287.0	291.8	295.5	295.5
82.5°	185.7	202.7	219.0	233.0	246.3	257.9	267.0	274.2	279.7	282.1	282.7
85°	171.7	190.5	205.7	220.9	233.6	244.5	253.6	261.5	266.4	268.8	270.0
87.5°	160.2	178.4	194.8	208.1	220.9	231.8	242.1	248.8	253.6	256.7	257.9
90°	149.3	166.9	183.2	196.6	209.9	220.2	230.0	236.6	242.1	244.5	245.7
92.5°	139.6	157.1	172.9	186.3	199.0	210.5	219.6	226.3	231.2	233.6	235.4
95°	130.5	147.4	162.6	177.2	189.3	199.6	209.3	216.0	221.5	223.3	225.1
97.5°	121.3	137.7	152.9	166.9	179.6	189.3	198.4	205.1	209.3	212.4	214.2
100°	113.5	129.2	143.8	157.1	169.3	178.4	188.1	194.2	198.4	200.8	203.3
102.5°	105.0	120.7	134.7	147.4	160.2	168.7	177.8	183.8	187.5	191.7	191.7
105°	97.7	112.2	126.2	138.3	149.3	159.6	167.5	173.5	177.8	180.8	180.8
107.5°	89.8	104.4	117.7	130.5	140.8	150.5	157.8	163.2	168.1	169.9	171.7
110°	83.7	96.5	109.8	122.0	131.7	140.8	148.0	154.1	158.4	160.2	161.4

TEST NUMBER: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	76.5	89.8	101.9	113.5	123.2	131.7	138.9	143.8	148.0	150.5	151.1
115°	70.4	83.1	94.0	105.0	115.3	122.6	129.2	134.1	138.3	140.2	141.4
117.5°	64.9	76.5	87.4	96.5	106.2	114.1	120.7	125.0	128.6	131.1	132.3
120°	59.5	70.4	80.1	89.2	98.3	105.6	111.6	115.9	120.1	122.0	122.0
122.5°	54.0	64.3	73.4	81.9	90.4	97.1	103.8	107.4	111.0	112.9	112.9
125°	49.1	58.9	67.3	75.2	83.1	89.2	94.7	98.9	102.5	103.8	103.8
127.5°	44.3	53.4	61.3	68.6	75.2	81.3	86.8	91.0	94.0	95.3	95.3
130°	40.0	47.9	55.2	62.5	69.2	74.0	79.5	83.1	84.9	86.8	87.4
132.5°	35.8	43.1	49.8	55.8	62.5	67.3	71.6	75.2	77.1	78.9	79.5
135°	31.6	38.2	44.3	50.4	55.8	60.7	64.3	67.3	69.8	71.0	71.6
137.5°	26.7	34.0	39.4	44.3	50.4	54.0	58.2	60.1	62.5	63.7	63.7
140°	22.4	27.9	34.0	38.8	43.7	47.3	51.0	54.0	55.8	56.4	56.4
142.5°	18.2	23.1	27.9	34.0	38.2	41.3	44.9	47.3	48.5	49.1	49.8
145°	14.6	18.2	22.4	27.9	32.8	36.4	38.2	40.7	41.9	42.5	43.1
147.5°	10.9	14.6	18.2	21.8	26.7	30.3	32.2	34.6	35.8	36.4	36.4
150°	8.5	10.9	13.3	17.0	20.6	24.9	27.3	29.1	29.7	30.3	30.3
152.5°	6.1	8.5	10.3	12.7	15.2	18.8	22.4	23.7	24.3	24.9	24.9
155°	4.2	6.1	7.3	9.1	10.9	14.0	17.0	18.8	19.4	20.0	20.0
157.5°	3.0	4.2	4.9	6.7	7.9	9.1	11.5	14.6	15.2	15.2	15.2
160°	1.8	2.4	3.0	4.2	4.9	6.1	7.3	9.1	10.9	10.9	10.9
162.5°	1.2	1.8	1.8	2.4	2.4	3.6	4.2	4.9	6.7	7.3	7.3
165°	0.6	1.2	1.2	1.2	1.2	1.2	1.8	1.8	3.0	3.6	3.6
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: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	574.0	575.2	574.6	574.6	574.6	575.8	574.6	569.1	570.3	571.6	572.8
5°	573.4	574.0	574.0	573.4	573.4	574.6	573.4	567.9	569.1	570.3	570.9
7.5°	570.9	571.6	571.6	571.6	570.9	572.2	570.3	565.5	565.5	566.7	567.3
10°	567.9	569.1	568.5	567.9	567.9	567.9	566.7	561.2	561.2	561.8	562.5
12.5°	564.3	564.3	564.3	563.7	563.1	563.1	561.8	556.4	555.8	557.0	556.4
15°	559.4	560.6	559.4	558.8	557.6	557.6	555.8	550.3	549.1	549.7	549.1
17.5°	555.2	555.8	554.6	553.4	552.1	551.5	549.7	543.6	541.8	542.4	541.2
20°	550.9	550.9	549.7	548.5	546.7	544.9	542.4	536.4	533.3	533.3	530.9
22.5°	545.5	545.5	544.3	542.4	540.6	538.2	535.8	529.7	524.8	523.6	521.8
25°	539.4	538.8	538.2	536.4	532.7	530.3	527.9	521.2	515.7	513.3	510.3
27.5°	532.1	532.1	530.3	528.5	524.8	521.8	518.8	512.7	505.4	502.4	498.1
30°	524.2	524.2	522.4	520.0	516.3	512.7	509.1	501.8	494.5	490.3	485.4
32.5°	516.3	515.7	513.9	511.5	507.8	502.4	499.4	492.1	483.6	478.7	472.0
35°	506.6	506.0	504.2	501.2	496.3	492.1	487.2	480.5	470.8	464.8	457.5
37.5°	496.9	496.3	495.1	490.9	486.0	481.2	475.1	468.4	459.3	451.4	444.1
40°	487.2	486.6	484.2	481.2	475.1	469.0	462.9	456.3	446.6	437.5	429.6
42.5°	476.9	476.3	473.3	469.6	462.9	456.9	449.6	442.3	432.6	421.7	413.8
45°	466.6	465.4	462.3	458.1	450.8	444.1	436.9	428.4	418.7	408.3	398.0
47.5°	455.7	453.8	450.8	444.7	438.7	431.4	422.9	413.8	404.1	392.6	381.6
50°	443.5	442.3	438.7	433.2	425.9	418.7	408.9	399.8	388.3	377.4	364.0
52.5°	432.0	429.6	426.5	420.5	413.2	405.3	395.0	384.1	372.5	362.2	348.3
55°	419.9	418.7	414.4	409.6	400.5	391.4	381.6	370.1	357.4	345.2	331.9
57.5°	408.3	405.9	402.3	395.6	387.7	378.6	368.3	356.2	342.2	329.5	314.9
60°	396.8	393.2	388.9	382.9	374.4	364.7	353.7	341.0	327.0	313.1	297.9
62.5°	384.1	381.0	376.2	370.1	361.6	351.3	339.8	326.4	313.1	298.5	282.1
65°	371.3	368.3	363.4	357.4	348.9	337.4	325.2	311.9	296.7	282.7	265.1
67.5°	358.6	355.6	350.1	343.4	334.9	324.0	311.3	297.3	282.1	267.0	248.8
70°	345.8	342.2	337.4	330.1	321.6	310.0	297.3	282.7	267.6	251.2	233.0
72.5°	333.1	330.1	324.0	317.3	308.2	296.7	284.0	269.4	253.6	236.6	218.4
75°	320.4	316.7	312.5	304.6	294.9	284.0	270.6	256.0	239.1	222.7	203.9
77.5°	307.6	304.6	299.1	291.2	282.1	270.6	257.3	242.7	225.7	208.7	188.7
80°	294.9	291.2	287.0	279.7	269.4	257.9	243.9	229.4	212.4	194.8	174.7
82.5°	282.1	278.5	273.6	266.4	256.7	245.1	231.8	216.0	199.0	180.8	162.0
85°	269.4	266.4	260.9	253.6	243.3	231.8	218.4	204.5	186.3	168.1	149.3
87.5°	256.7	253.6	248.2	240.9	231.2	219.6	206.3	191.7	174.1	157.1	136.5
90°	244.5	242.1	236.6	229.4	219.6	208.1	196.0	180.2	163.2	146.2	126.8
92.5°	233.6	231.2	226.3	219.0	210.5	197.8	185.7	170.5	153.5	135.9	117.1
95°	223.9	220.9	216.0	209.3	199.0	188.1	176.0	160.8	144.4	126.8	108.6
97.5°	213.0	209.9	205.1	197.8	189.3	177.8	165.6	151.1	134.7	118.3	100.1
100°	202.0	199.0	193.6	187.5	179.0	167.5	155.9	141.4	126.2	110.4	92.8
102.5°	191.1	188.1	183.2	177.2	168.7	158.4	146.8	132.9	117.7	101.9	85.6
105°	180.8	177.8	172.9	166.9	159.0	148.7	136.5	124.4	109.8	94.7	78.9
107.5°	170.5	167.5	163.2	157.1	149.3	139.6	128.0	115.3	101.9	87.4	72.2
110°	160.2	157.8	152.9	147.4	139.6	129.8	119.5	107.4	94.0	80.7	66.1

TEST NUMBER: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	150.5	148.0	143.2	137.1	130.5	121.3	111.0	99.5	86.8	74.0	60.1
115°	140.8	137.7	133.5	128.0	121.3	112.9	103.1	92.8	80.1	68.0	55.2
117.5°	131.1	128.6	124.4	118.9	112.9	104.4	95.3	85.6	73.4	61.9	50.4
120°	121.3	119.5	115.3	110.4	104.4	96.5	88.0	78.3	67.3	56.4	45.5
122.5°	112.2	110.4	106.2	101.9	95.9	88.6	80.7	71.6	61.9	51.6	41.9
125°	103.8	101.3	97.7	93.4	88.0	81.3	73.4	64.9	55.8	46.7	37.6
127.5°	94.7	92.8	90.4	85.6	80.1	74.0	66.7	59.5	51.0	42.5	34.0
130°	87.4	84.9	81.9	78.3	73.4	67.3	60.7	53.4	46.1	38.2	29.7
132.5°	78.9	76.5	74.0	70.4	66.1	60.7	54.6	47.9	41.3	34.0	26.7
135°	71.0	69.2	66.7	63.1	58.9	54.6	48.5	42.5	36.4	29.7	23.7
137.5°	63.7	61.9	59.5	57.0	52.8	48.5	43.1	37.6	32.2	26.1	20.6
140°	56.4	55.2	52.8	50.4	46.7	42.5	37.6	32.8	27.9	22.4	17.6
142.5°	49.1	47.9	46.1	43.7	40.7	37.0	32.8	28.5	23.7	19.4	15.2
145°	42.5	41.9	40.0	37.6	35.2	31.6	27.9	24.3	20.0	16.4	12.1
147.5°	35.8	35.2	34.0	32.2	29.7	26.7	23.7	20.0	17.0	13.3	9.7
150°	29.7	29.1	28.5	26.1	24.9	21.8	19.4	16.4	14.0	10.3	7.9
152.5°	24.3	24.3	23.1	21.2	20.0	17.6	15.8	13.3	10.9	8.5	6.1
155°	19.4	18.8	18.2	17.0	15.8	14.0	12.1	10.3	8.5	6.1	4.2
157.5°	15.2	14.6	14.0	12.7	11.5	10.9	9.1	7.3	5.5	4.2	3.0
160°	10.9	10.3	9.7	9.1	8.5	7.3	6.1	4.9	3.6	2.4	1.8
162.5°	7.3	6.7	6.7	6.1	5.5	4.2	3.6	3.0	2.4	1.8	1.2
165°	3.6	3.6	3.0	3.0	2.4	1.8	1.8	1.8	1.2	1.2	0.6
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: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	572.2	572.2	574.6	574.0	572.2	575.8	580.1
5°	570.3	570.3	572.2	572.2	570.3	574.0	577.6
7.5°	567.3	566.7	568.5	568.5	566.1	569.1	573.4
10°	561.8	561.2	563.1	563.1	560.6	563.7	567.3
12.5°	555.8	554.6	556.4	555.8	553.4	556.4	560.0
15°	547.9	547.3	548.5	547.3	544.9	547.9	551.5
17.5°	540.0	538.2	538.8	538.8	534.5	537.6	540.6
20°	529.7	527.3	527.9	527.3	524.2	526.0	529.7
22.5°	519.4	515.7	515.7	515.1	511.5	513.9	516.9
25°	506.6	502.4	502.4	501.8	497.5	499.4	502.4
27.5°	493.9	489.6	487.8	487.2	483.0	483.0	487.2
30°	480.5	474.5	473.3	471.4	467.2	467.2	470.8
32.5°	467.8	459.3	456.9	454.5	450.2	449.6	453.8
35°	450.8	444.1	439.9	437.5	432.6	431.4	435.0
37.5°	436.9	428.4	422.3	419.3	414.4	412.6	417.4
40°	421.7	412.6	404.7	402.9	395.6	393.2	397.4
42.5°	404.7	395.0	387.1	383.5	378.0	375.6	376.2
45°	387.7	377.4	368.9	364.0	358.6	354.3	356.8
47.5°	370.1	361.0	350.7	343.4	336.7	333.7	334.9
50°	352.5	341.6	331.9	324.0	316.1	312.5	314.9
52.5°	334.9	323.4	312.5	304.0	294.9	291.2	291.8
55°	317.9	305.8	293.1	284.0	275.5	270.0	268.8
57.5°	300.9	287.6	274.2	263.9	253.0	248.2	246.3
60°	282.7	268.8	254.8	242.7	231.2	225.7	223.3
62.5°	265.8	250.6	234.8	222.1	210.5	203.3	201.4
65°	249.4	231.8	216.0	201.4	188.7	180.8	178.4
67.5°	231.8	213.6	196.6	180.8	168.7	158.4	157.1
70°	215.4	196.0	177.2	160.8	147.4	137.1	132.3
72.5°	199.0	179.0	159.6	142.0	125.0	115.3	111.6
75°	183.2	162.6	142.0	123.8	105.0	93.4	89.8
77.5°	168.7	147.4	125.6	105.6	88.0	73.4	68.6
80°	154.7	132.9	109.8	89.2	70.4	54.6	49.1
82.5°	140.2	119.5	95.9	74.0	54.6	38.2	31.6
85°	127.4	106.8	83.1	61.3	41.9	24.3	17.0
87.5°	117.1	94.7	73.4	51.6	31.6	14.0	4.9
90°	106.8	84.9	63.7	42.5	23.7	7.9	0.6
92.5°	97.7	77.1	55.8	36.4	18.2	5.5	0.6
95°	89.2	69.2	49.1	30.3	14.6	3.6	0.6
97.5°	81.3	62.5	43.7	26.1	12.1	3.0	0.6
100°	74.6	56.4	38.8	23.1	10.3	2.4	0.6
102.5°	68.0	51.0	34.6	20.0	9.1	1.8	0.6
105°	62.5	46.1	30.9	18.2	7.9	1.8	0.6
107.5°	57.0	41.9	27.9	15.8	6.7	1.2	0.6
110°	51.6	38.2	24.9	14.0	6.1	1.2	0.6



TEST NUMBER: P1213341

CATALOG NUMBER: 2SNLED-LD5-30HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	47.3	34.6	22.4	12.7	4.9	1.2	0.6
115°	43.1	30.9	20.0	10.9	4.2	0.6	0.6
117.5°	38.8	27.9	17.6	9.7	3.6	0.6	0.6
120°	35.2	24.9	15.8	8.5	3.0	0.6	0.6
122.5°	31.6	22.4	14.0	7.3	2.4	0.6	0.6
125°	28.5	20.0	12.1	6.1	1.8	0.6	0.6
127.5°	25.5	17.6	10.9	5.5	1.8	0.6	0.6
130°	22.4	15.8	9.1	4.2	1.2	0.6	0.6
132.5°	20.0	13.3	7.9	3.6	1.2	0.6	0.6
135°	17.6	11.5	6.7	2.4	1.2	0.6	0.6
137.5°	15.2	9.7	5.5	1.8	0.6	0.6	0.6
140°	12.7	8.5	4.2	1.8	0.6	0.6	0.6
142.5°	10.9	6.7	3.0	1.2	0.6	0.6	0.6
145°	8.5	5.5	2.4	1.2	0.6	0.6	0.6
147.5°	6.7	4.2	1.8	1.2	0.6	0.6	0.6
150°	4.9	3.0	1.8	0.6	0.6	0.6	0.6
152.5°	3.6	2.4	1.2	0.6	0.6	0.6	0.6
155°	2.4	1.8	1.2	0.6	0.6	0.6	0.6
157.5°	1.8	1.2	0.6	0.6	0.6	0.6	0.6
160°	1.2	0.6	0.6	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6
165°	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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)