

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **2SNLED-LD5-22SL-LC-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

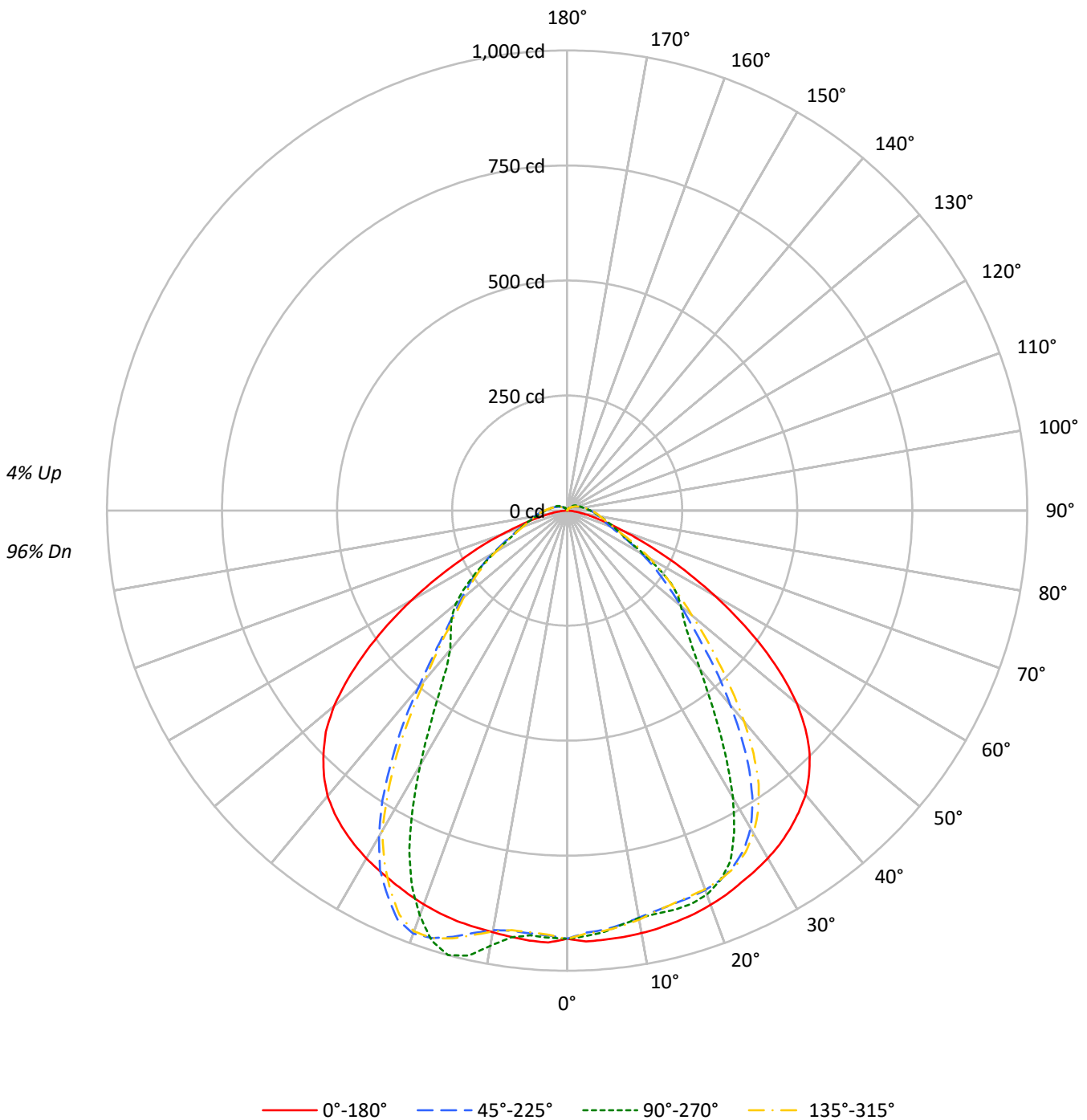
Lumens per Lamp: N/A
Luminaire Lumens: 2218.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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: 25 FT



TEST NUMBER: P#
CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

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	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15037	15037	15037	15037
5°	15106	14440	15137	14555
10°	15134	13841	15103	14780
15°	15208	13655	15201	15205
20°	15332	13439	15315	14166
25°	15472	12748	15463	12319
30°	15710	11050	15719	9789
35°	15962	8935	16007	7560
40°	16166	7194	16234	6338
45°	16035	6094	16117	5934
50°	15260	5609	15475	5484
55°	13452	5043	13788	4584
60°	10821	3859	11395	3540
65°	7959	2953	8572	2801
70°	5332	2550	6009	2438
75°	3408	2299	3965	2174
80°	2116	2145	2474	1972
85°	984	2138	1298	1952



TEST NUMBER: P#

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	4.0
10°-20°	263.0	11.9
20°-30°	399.8	18.0
30°-40°	428.8	19.3
40°-50°	372.2	16.8
50°-60°	275.8	12.4
60°-70°	158.0	7.1
70°-80°	87.5	3.9
80°-90°	53.3	2.4
90°-100°	34.7	1.6
100°-110°	23.2	1.0
110°-120°	15.7	0.7
120°-130°	9.6	0.4
130°-140°	5.1	0.2
140°-150°	2.3	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	751.1	33.9
0°-40°	1179.9	53.2
0°-60°	1827.9	82.4
0°-90°	2126.8	95.9
90°-120°	73.5	3.3
90°-150°	90.5	4.1
90°-180°	91.0	4.1
0°-180°	2218.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	936	919	938	927	936	89
15°	924	898	924	1000	924	261
25°	893	840	892	812	893	413
35°	844	572	847	484	844	529
45°	745	367	749	357	745	571
55°	520	275	533	250	520	461
65°	236	139	254	132	236	238
75°	67	88	78	84	67	77
85°	9	61	12	56	9	12
90°	0	51	1	47	0	0
95°	0	42	0	40	0	0
105°	0	31	0	30	0	1
115°	0	26	0	23	0	0
125°	0	19	0	16	0	0
135°	0	12	0	10	0	0
145°	0	7	1	6	0	0
155°	1	3	1	3	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4
2.5°	937.1	934.7	933.8	931.8	933.3	939.0	935.2	929.0	929.4	918.4	924.1
5°	936.2	933.3	931.8	929.9	930.9	936.2	932.3	926.1	925.6	914.5	919.8
7.5°	934.7	931.8	929.4	928.0	928.5	932.8	928.0	920.8	919.3	907.3	912.1
10°	932.3	930.4	927.0	924.6	924.1	929.0	921.3	914.1	910.7	898.2	903.0
12.5°	929.0	926.1	922.7	918.4	917.9	920.8	914.5	904.4	901.1	891.0	896.3
15°	924.1	920.8	916.9	912.1	909.7	911.7	904.0	894.8	894.4	885.7	892.9
17.5°	918.9	914.1	909.7	903.0	899.6	901.1	894.8	886.7	887.6	882.3	890.5
20°	911.7	906.4	899.6	892.9	888.1	890.5	886.2	879.9	881.4	877.5	884.7
22.5°	903.5	896.3	888.1	880.4	876.6	879.9	876.6	871.3	871.8	869.4	873.7
25°	892.9	884.7	875.1	865.5	863.6	866.0	864.1	859.8	857.8	854.0	855.9
27.5°	883.3	874.2	862.2	852.1	848.7	853.5	849.2	842.0	836.7	831.4	827.6
30°	872.2	861.2	847.7	836.2	833.3	835.2	829.0	817.9	804.0	797.3	786.7
32.5°	860.2	845.8	829.0	816.0	814.1	812.7	801.1	785.3	763.6	750.2	733.8
35°	844.4	828.5	808.3	792.5	789.6	781.4	762.7	741.5	713.7	690.6	662.7
37.5°	826.6	807.8	786.7	765.6	757.4	741.0	714.6	692.5	650.2	622.3	588.7
40°	806.4	783.8	757.9	732.4	718.9	692.5	662.2	629.6	588.7	551.2	522.9
42.5°	778.5	754.5	723.7	695.4	672.3	637.2	601.7	555.5	518.1	486.3	457.5
45°	745.4	716.5	681.0	646.9	617.5	575.7	533.9	487.8	456.5	419.5	399.8
47.5°	702.6	671.4	633.4	595.4	557.0	510.9	467.1	422.9	391.7	365.2	350.8
50°	652.1	623.3	581.5	536.3	494.0	446.0	402.2	369.1	338.8	322.5	311.4
52.5°	589.7	562.8	520.0	471.0	430.1	383.0	343.1	316.2	294.6	282.6	278.7
55°	520.0	496.4	454.1	408.5	366.7	323.4	293.2	269.6	255.7	248.5	248.9
57.5°	445.5	427.2	387.3	346.5	307.1	274.4	247.0	228.3	217.7	217.2	218.7
60°	371.0	357.5	322.9	287.9	253.3	226.8	206.6	193.7	186.9	187.4	186.9
62.5°	299.9	287.4	262.4	233.6	206.2	188.4	170.1	164.8	159.1	158.6	158.6
65°	236.0	226.4	206.2	185.5	164.8	153.3	144.2	137.9	133.6	132.6	133.1
67.5°	177.3	173.5	159.6	145.6	132.6	125.4	117.7	116.3	112.9	112.9	113.9
70°	132.2	129.3	121.6	113.4	108.1	103.3	99.5	99.5	99.0	98.5	100.9
72.5°	95.6	96.1	93.7	87.5	87.0	86.0	85.1	86.5	87.0	88.4	91.3
75°	67.3	68.7	68.7	67.8	69.7	72.1	73.5	75.9	78.8	80.7	84.1
77.5°	47.6	47.6	50.0	52.9	56.7	61.0	64.9	68.2	72.1	74.5	77.4
80°	30.8	32.2	36.0	41.3	46.6	52.4	57.7	62.0	65.8	69.7	71.6
82.5°	18.3	20.7	25.5	32.2	38.9	46.1	51.4	56.7	61.0	64.9	66.3
85°	9.1	12.5	18.3	25.5	32.7	40.4	47.1	51.9	56.7	60.1	62.0
87.5°	2.9	6.7	13.0	19.7	27.4	35.1	42.3	47.6	51.9	54.8	56.7
90°	0.0	3.4	9.1	16.3	23.5	31.2	38.0	43.7	48.1	50.5	51.9
92.5°	0.0	1.9	7.2	13.5	20.2	27.9	34.6	39.9	43.7	46.1	47.1
95°	0.5	1.4	5.3	11.1	17.8	25.0	31.2	36.0	39.9	42.3	42.8
97.5°	0.5	1.0	4.3	9.1	15.4	22.1	28.4	33.2	36.0	38.4	38.9
100°	0.5	1.0	3.4	8.2	13.5	19.7	25.5	29.8	33.2	35.1	35.6
102.5°	0.5	0.5	2.9	6.7	12.0	17.3	22.6	26.9	29.8	31.7	32.7
105°	0.5	0.5	2.4	5.8	10.6	15.4	20.2	24.5	26.9	28.8	29.8
107.5°	0.5	0.5	1.9	4.8	9.1	13.5	18.3	21.6	24.5	26.4	27.4
110°	0.5	0.5	1.4	4.3	7.7	12.0	15.9	19.2	22.1	24.0	25.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	0.5	1.4	3.8	6.7	10.6	13.9	17.3	19.7	21.6	23.1
115°	0.5	0.5	1.4	3.4	6.2	9.1	12.5	15.4	17.8	19.7	21.1
117.5°	0.5	0.5	1.4	2.9	5.3	8.2	11.1	13.9	15.9	17.8	19.2
120°	0.5	0.5	1.0	2.4	4.8	7.2	9.6	12.0	14.4	16.3	17.8
122.5°	0.5	0.5	1.0	2.4	3.8	6.2	8.7	10.6	13.0	14.4	15.9
125°	0.5	0.5	1.0	1.9	3.4	5.8	7.7	9.6	11.1	13.0	14.4
127.5°	0.5	0.5	1.0	1.9	2.9	4.8	6.7	8.7	10.1	11.5	12.5
130°	0.5	0.5	1.0	1.4	2.4	3.8	5.8	7.2	9.1	10.1	11.1
132.5°	0.5	0.5	0.5	1.4	1.9	2.9	4.3	6.2	7.7	9.1	9.6
135°	0.5	0.5	0.5	1.0	1.9	2.4	3.4	4.8	6.2	7.7	8.7
137.5°	0.5	0.5	0.5	1.0	1.4	2.4	2.9	3.8	5.3	6.2	7.7
140°	0.5	0.5	0.5	1.0	1.4	1.9	2.4	3.4	4.3	5.3	6.2
142.5°	0.5	0.5	0.5	1.0	1.0	1.4	1.9	2.9	3.4	4.3	5.3
145°	0.5	0.5	0.5	1.0	1.0	1.4	1.9	2.4	2.9	3.4	4.3
147.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.4	1.9	2.4	2.9	3.4
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.9	2.4	2.9
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.9	2.4
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.9	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4
2.5°	922.2	923.2	929.0	928.5	927.5	926.6	926.6	925.6	926.6	929.0	928.0
5°	917.4	918.9	923.2	922.7	921.7	921.3	920.8	919.3	920.3	923.7	922.7
7.5°	908.8	910.2	914.1	912.1	910.7	911.7	909.2	907.8	909.7	913.1	912.6
10°	899.6	900.6	905.4	904.4	902.0	902.5	900.1	899.2	901.6	903.5	904.0
12.5°	893.4	896.8	901.1	900.6	900.1	900.6	898.2	897.2	898.7	900.6	900.1
15°	891.9	896.3	901.1	901.1	901.6	902.0	899.6	898.2	899.6	901.1	900.6
17.5°	890.5	895.8	900.1	899.6	900.1	901.1	897.2	896.3	898.2	900.1	899.2
20°	885.7	890.5	893.4	892.4	892.4	892.9	888.1	888.1	891.0	892.4	892.9
22.5°	872.2	878.0	878.0	875.6	875.6	873.7	872.2	869.4	872.7	875.1	877.1
25°	852.1	854.5	851.6	846.3	843.4	841.0	834.3	840.0	840.0	847.3	849.7
27.5°	823.7	818.4	810.3	799.2	796.8	789.1	784.8	786.2	788.6	798.7	806.4
30°	777.1	761.2	747.3	742.5	731.9	724.2	716.5	720.4	724.7	730.5	746.3
32.5°	715.6	700.2	677.6	669.4	658.4	648.8	639.6	645.4	653.1	656.9	674.2
35°	644.9	626.7	606.0	592.1	580.5	575.2	563.7	571.9	580.1	582.9	597.8
37.5°	570.0	551.2	533.0	520.9	509.9	506.5	498.8	504.6	510.9	515.2	527.7
40°	498.8	481.5	467.6	459.4	451.7	448.9	446.0	448.4	453.2	456.5	466.2
42.5°	437.8	423.9	414.3	409.5	404.2	400.3	400.8	401.8	404.2	411.4	415.7
45°	384.5	376.3	370.0	369.1	365.7	365.2	364.8	366.7	368.1	372.4	375.8
47.5°	341.7	338.3	336.9	338.8	340.2	338.3	339.3	341.7	344.6	344.6	344.1
50°	308.0	309.0	310.9	315.3	318.1	319.1	320.1	322.9	323.4	324.4	322.9
52.5°	280.7	281.6	286.9	293.6	297.0	298.4	300.4	303.2	303.2	304.2	302.3
55°	252.8	254.2	259.5	266.2	269.1	271.0	273.0	274.9	276.3	278.3	276.8
57.5°	222.0	226.4	229.7	231.6	233.6	235.0	236.4	236.9	239.8	240.3	242.7
60°	189.3	190.3	193.7	193.2	191.7	195.6	193.7	197.0	200.4	204.7	205.2
62.5°	158.1	158.6	161.0	160.0	162.0	161.5	162.9	162.9	165.3	167.2	169.6
65°	133.6	134.1	136.0	136.0	135.5	137.0	138.4	139.4	139.4	140.8	142.7
67.5°	115.3	116.8	118.7	119.7	120.6	120.6	122.1	122.5	123.5	124.0	124.9
70°	102.8	104.8	106.7	107.6	108.1	109.1	109.6	109.6	110.5	111.0	112.0
72.5°	93.7	95.6	97.1	97.1	98.0	98.5	98.5	99.0	99.5	100.4	101.4
75°	86.0	87.5	88.4	87.9	87.9	87.9	88.4	88.4	89.4	90.3	91.3
77.5°	78.8	80.3	80.3	79.3	79.3	79.3	79.3	79.8	80.3	81.2	82.2
80°	73.5	73.5	73.0	73.0	72.1	71.6	71.6	72.1	72.1	73.0	74.5
82.5°	67.8	67.8	67.3	66.8	66.3	65.8	65.8	66.3	66.8	67.3	68.2
85°	62.5	62.5	61.5	61.5	61.0	61.0	61.0	61.0	61.5	62.0	63.0
87.5°	57.2	56.7	56.2	55.7	55.7	55.7	55.7	55.7	56.2	57.2	57.7
90°	51.9	51.4	50.9	50.9	50.5	50.5	50.9	50.9	51.4	51.9	52.4
92.5°	47.1	46.6	46.1	46.1	45.7	45.7	46.1	45.7	46.6	46.6	47.1
95°	42.8	42.3	41.8	41.8	41.8	41.8	41.8	41.8	42.3	42.3	42.8
97.5°	38.9	38.4	38.0	38.0	38.4	38.0	38.4	38.4	38.4	38.9	39.4
100°	35.6	35.1	35.1	35.6	35.1	35.1	35.6	35.6	35.6	35.6	36.0
102.5°	32.7	32.7	32.7	32.7	32.7	32.7	33.2	33.2	33.2	33.2	33.6
105°	29.8	30.3	30.3	30.3	30.8	30.8	30.8	31.2	31.2	31.2	31.2
107.5°	27.9	28.4	28.4	28.8	28.8	29.3	29.3	29.3	29.3	29.8	29.8
110°	26.0	26.4	26.9	27.4	27.4	27.9	27.9	27.9	27.9	27.9	27.9



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	24.0	24.5	25.0	26.0	26.4	26.4	26.4	26.4	26.9	26.9	26.4
115°	22.1	23.1	23.5	24.5	25.0	25.0	25.5	25.5	25.5	25.5	25.0
117.5°	20.2	21.6	22.1	23.1	23.5	23.5	24.0	24.0	24.0	24.0	23.5
120°	18.7	19.7	20.7	21.1	21.6	22.1	22.1	22.6	22.6	22.6	22.1
122.5°	17.3	18.3	19.2	19.7	20.2	20.7	20.7	20.7	20.7	20.7	20.7
125°	15.4	16.3	17.3	17.8	18.3	18.7	18.7	19.2	19.2	19.2	18.7
127.5°	13.9	14.9	15.4	16.3	16.8	16.8	17.3	17.3	17.3	17.3	16.8
130°	12.0	13.0	13.9	14.4	14.9	14.9	15.4	15.4	15.4	15.4	15.4
132.5°	10.6	11.5	12.0	13.0	13.0	13.5	13.5	13.9	13.9	13.9	13.5
135°	9.6	10.1	10.6	11.5	11.5	12.0	12.0	12.0	12.0	12.0	12.0
137.5°	8.7	9.1	9.6	10.1	10.1	10.6	10.6	10.6	10.6	11.1	10.6
140°	7.2	8.2	8.7	8.7	9.1	9.1	9.1	9.6	9.6	9.6	9.1
142.5°	6.2	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.7	8.2	8.2
145°	4.8	5.8	6.2	6.7	7.2	7.2	7.2	7.2	7.2	7.2	7.2
147.5°	3.8	4.3	5.3	5.8	5.8	6.2	6.2	6.2	6.2	6.2	6.2
150°	3.4	3.4	4.3	4.8	5.3	5.3	5.3	5.3	5.3	5.3	5.3
152.5°	2.4	2.9	3.4	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3
155°	2.4	2.4	2.9	2.9	3.4	3.4	3.4	3.4	3.8	3.4	3.4
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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4
2.5°	926.6	926.1	928.0	926.1	916.5	920.3	918.9	924.1	924.6	926.1	930.9
5°	921.7	921.7	924.1	922.2	913.1	916.9	916.5	921.7	922.7	923.7	929.0
7.5°	912.1	912.6	916.0	914.5	904.9	910.7	910.2	916.5	918.4	920.3	925.1
10°	903.0	902.5	906.4	904.9	895.8	902.5	902.0	908.3	911.2	914.5	920.3
12.5°	898.2	896.8	898.2	896.8	886.7	891.9	892.4	899.6	903.0	907.3	914.1
15°	898.2	895.8	895.8	892.9	881.4	884.7	885.2	890.0	894.4	898.7	906.8
17.5°	897.2	894.8	894.4	891.9	879.5	879.5	879.0	882.3	884.7	889.1	897.7
20°	891.9	891.0	890.5	889.1	877.5	875.6	874.6	874.6	876.1	877.5	886.2
22.5°	878.0	879.0	879.9	880.9	871.8	868.4	868.9	867.9	866.5	866.5	873.7
25°	852.1	856.9	860.7	865.0	859.8	857.3	860.2	858.8	856.4	854.5	860.7
27.5°	810.7	820.8	829.0	839.6	840.0	838.1	845.8	844.9	844.4	841.5	846.3
30°	753.5	769.4	780.5	795.8	808.8	810.7	823.7	825.6	827.6	826.1	830.9
32.5°	684.3	706.0	724.7	748.7	761.2	772.3	790.5	798.2	805.9	808.3	813.6
35°	608.9	633.4	655.5	681.9	701.6	725.7	747.8	759.3	776.6	783.3	791.0
37.5°	537.3	560.4	582.0	608.4	640.1	665.1	692.5	718.5	742.0	751.6	763.2
40°	473.8	492.6	513.3	536.3	565.2	597.8	627.6	663.7	691.5	710.8	727.6
42.5°	425.8	434.9	452.7	473.4	496.4	529.6	559.9	600.2	633.9	661.3	689.1
45°	383.0	387.3	400.3	411.4	434.9	464.2	496.4	535.8	570.9	606.0	639.6
47.5°	346.5	351.8	358.0	364.8	381.6	406.1	434.0	469.5	504.6	545.5	583.9
50°	322.0	323.4	324.4	327.3	337.4	354.2	376.8	407.0	440.7	484.4	525.3
52.5°	300.4	300.4	297.5	296.0	299.9	310.5	323.4	345.1	379.7	420.0	463.3
55°	277.3	273.0	272.0	267.2	268.2	273.0	279.2	296.0	324.4	359.0	400.8
57.5°	245.1	243.2	243.2	241.2	237.4	239.8	241.2	253.3	273.4	303.2	339.8
60°	208.1	207.1	209.5	210.0	206.6	208.1	207.6	214.8	229.2	253.3	283.5
62.5°	171.1	175.4	175.9	177.8	175.9	175.4	177.8	184.1	191.3	209.5	233.1
65°	143.7	146.1	146.6	149.0	148.0	148.0	149.9	154.7	159.1	171.6	189.8
67.5°	125.9	124.9	125.4	126.9	125.4	124.9	126.4	129.3	132.6	140.3	153.3
70°	112.0	111.0	111.0	111.0	109.1	107.6	108.1	109.1	110.5	114.9	123.0
72.5°	101.4	101.4	100.0	98.5	97.1	96.1	95.2	94.2	93.7	95.2	99.5
75°	91.8	92.3	91.8	90.3	88.4	86.5	84.6	82.7	80.3	79.3	79.8
77.5°	83.1	83.6	84.1	83.6	81.7	79.3	76.4	73.5	70.2	66.8	64.9
80°	75.5	76.4	76.9	76.4	75.0	73.0	69.7	66.3	61.5	57.2	52.4
82.5°	68.7	70.2	70.6	70.6	69.7	67.8	63.9	60.1	54.8	49.0	42.8
85°	63.4	64.4	65.4	65.4	64.9	63.0	59.1	54.8	49.5	42.8	36.0
87.5°	58.1	58.6	59.6	60.6	59.6	57.7	54.3	49.5	44.2	37.5	29.8
90°	52.9	53.3	54.3	55.3	54.8	52.9	50.0	45.7	39.9	32.7	25.0
92.5°	47.6	48.5	49.0	49.5	50.0	48.5	46.1	41.8	36.0	28.8	21.6
95°	43.7	43.7	44.7	45.2	45.7	44.2	42.3	38.0	32.7	26.0	18.7
97.5°	39.9	39.9	40.8	40.8	41.3	40.4	38.4	34.6	29.3	23.1	15.9
100°	36.0	36.5	37.0	37.5	37.5	37.0	35.1	31.2	26.4	20.7	13.9
102.5°	33.6	33.6	34.1	34.1	34.6	33.6	31.7	28.4	23.5	18.3	12.0
105°	31.2	31.2	31.7	31.7	31.2	30.3	28.4	25.5	21.1	15.9	10.6
107.5°	29.3	29.3	29.3	29.3	28.8	27.9	26.0	22.6	18.7	14.4	9.6
110°	27.9	27.4	27.4	26.9	26.4	25.0	23.1	20.2	16.8	12.5	8.2



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	26.4	26.0	25.5	25.0	24.0	22.6	20.7	18.3	14.9	11.1	7.2
115°	25.0	24.5	24.0	23.1	22.1	20.7	18.7	16.3	13.0	9.6	6.2
117.5°	23.5	23.1	22.1	21.1	20.2	18.7	16.8	14.4	11.5	8.7	5.8
120°	21.6	21.1	20.7	19.7	18.7	16.8	14.9	13.0	10.1	7.7	4.8
122.5°	20.2	19.7	18.7	18.3	16.8	15.4	13.5	11.5	9.1	6.7	4.3
125°	18.3	17.8	17.3	16.3	15.4	13.5	12.0	10.1	8.2	5.8	3.4
127.5°	16.8	16.3	15.4	14.4	13.5	12.0	10.6	9.1	7.2	4.8	3.4
130°	14.9	14.4	13.9	13.0	12.0	10.6	9.6	7.7	6.2	4.3	2.9
132.5°	13.0	13.0	12.5	11.5	10.6	9.6	8.2	6.7	5.3	3.8	2.4
135°	12.0	11.5	11.1	10.1	9.6	8.2	7.2	5.8	4.3	3.4	1.9
137.5°	10.6	10.1	9.6	9.1	8.2	7.2	6.2	4.8	3.8	2.9	1.9
140°	9.1	8.7	8.7	7.7	7.2	6.2	5.3	4.3	3.4	2.4	1.4
142.5°	8.2	7.7	7.2	6.7	6.2	5.3	4.3	3.4	2.9	1.9	1.4
145°	7.2	6.7	6.2	5.8	5.3	4.3	3.8	2.9	2.4	1.9	1.4
147.5°	5.8	5.8	5.3	4.8	4.3	3.8	3.4	2.9	1.9	1.4	1.0
150°	4.8	4.8	4.3	3.8	3.8	3.4	2.9	2.4	1.9	1.4	1.0
152.5°	4.3	3.8	3.8	3.4	3.4	2.9	2.4	1.9	1.4	1.4	1.0
155°	3.4	3.4	3.4	2.9	2.9	2.4	1.9	1.9	1.4	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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4
2.5°	931.8	926.1	930.9	939.5	938.6	937.6	936.6	938.6	944.8	941.4	936.2
5°	930.4	924.6	929.9	938.1	937.6	936.2	935.2	937.1	943.4	940.0	934.2
7.5°	927.5	922.2	926.1	934.2	934.2	933.3	932.3	934.2	940.0	937.1	931.4
10°	922.7	918.9	922.7	930.4	930.9	929.0	928.0	930.4	936.2	934.7	929.9
12.5°	918.9	915.0	919.3	927.0	927.5	925.6	924.1	927.0	934.7	935.7	934.2
15°	913.6	910.2	915.5	923.7	923.7	922.2	922.2	926.1	936.6	941.0	943.4
17.5°	905.9	903.5	909.7	917.9	918.4	917.4	917.9	925.6	939.5	950.1	956.8
20°	896.3	895.3	902.0	910.7	912.1	912.6	915.0	926.6	945.8	960.2	966.9
22.5°	884.7	885.2	892.9	902.0	904.0	905.4	910.2	926.6	950.6	966.0	968.8
25°	871.8	873.2	881.4	892.4	894.8	897.7	905.9	927.0	952.0	962.1	957.3
27.5°	857.8	860.7	871.3	882.8	885.7	890.5	901.1	924.1	945.3	945.8	928.0
30°	843.4	846.8	859.3	872.7	877.5	882.3	895.3	917.4	929.0	913.6	882.3
32.5°	827.1	831.9	844.4	860.7	866.5	872.7	885.7	904.4	900.1	867.0	822.3
35°	806.4	813.1	827.6	846.8	852.1	860.2	869.4	873.7	854.5	807.4	756.9
37.5°	780.9	791.0	807.8	830.0	835.7	841.0	843.4	831.4	793.0	742.0	689.6
40°	751.6	767.0	785.3	809.8	815.5	815.5	806.9	781.4	732.9	666.1	607.9
42.5°	716.1	734.8	757.9	782.4	788.1	781.4	760.8	716.1	660.8	586.3	524.8
45°	672.8	697.8	723.7	749.2	752.1	737.2	700.2	643.5	575.2	506.0	447.4
47.5°	621.4	654.1	682.4	711.3	707.4	682.4	632.9	568.5	496.4	431.1	384.0
50°	563.7	602.2	633.9	661.3	653.1	618.5	560.4	493.1	421.5	365.7	326.8
52.5°	502.2	546.4	578.1	600.2	589.2	547.9	483.9	419.5	360.9	310.0	284.0
55°	438.3	483.0	515.7	533.0	518.5	473.8	410.9	352.3	297.0	263.8	248.5
57.5°	376.3	418.1	448.9	462.8	444.5	399.8	341.7	292.2	252.3	224.4	216.7
60°	316.7	350.8	380.1	390.7	371.0	329.7	279.7	240.3	211.0	191.7	187.9
62.5°	261.4	289.3	312.4	320.5	301.3	269.1	225.9	196.6	175.9	166.3	161.5
65°	215.8	232.1	255.7	254.2	242.7	212.9	181.2	160.5	147.1	140.8	137.9
67.5°	169.6	184.5	199.4	201.4	186.9	166.3	145.6	130.7	123.5	120.1	118.7
70°	131.2	142.3	151.4	149.0	141.3	128.3	115.3	107.2	104.3	102.8	102.8
72.5°	101.9	107.6	112.0	109.1	104.3	97.6	91.3	87.9	88.4	89.4	90.3
75°	78.8	80.3	81.2	78.3	77.4	73.0	72.6	73.0	75.9	78.8	80.3
77.5°	60.6	58.6	57.2	54.3	54.8	54.3	56.7	60.6	64.9	69.2	73.0
80°	46.6	42.3	38.9	36.0	37.5	39.9	44.7	50.5	56.2	61.0	65.8
82.5°	36.0	29.8	25.0	22.1	25.0	28.8	35.1	42.3	49.0	54.3	59.6
85°	27.9	20.7	14.9	12.0	14.9	20.7	27.4	35.6	42.8	48.5	53.8
87.5°	21.6	14.9	8.2	4.8	8.2	14.4	22.1	29.8	37.0	43.7	49.0
90°	17.3	10.1	3.8	1.0	4.3	10.1	17.3	25.0	32.2	39.4	44.7
92.5°	13.9	7.2	1.9	0.0	2.4	7.7	14.4	21.6	28.8	35.6	40.8
95°	11.5	5.8	1.4	0.0	1.9	5.8	11.5	18.7	25.5	32.2	36.5
97.5°	9.6	4.3	1.0	0.0	1.0	4.8	9.6	15.9	22.6	28.8	33.2
100°	8.2	3.8	1.0	0.0	1.0	3.8	8.2	13.9	19.7	25.5	29.8
102.5°	6.7	2.9	0.5	0.5	0.5	2.9	7.2	12.0	17.3	22.6	26.9
105°	6.2	2.4	0.5	0.5	0.5	2.4	6.2	10.6	15.4	20.2	24.0
107.5°	5.3	1.9	0.5	0.5	0.5	1.9	5.3	9.1	13.9	18.3	21.6
110°	4.3	1.9	0.5	0.5	0.5	1.9	4.3	8.2	12.0	15.9	19.2



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	3.8	1.4	0.5	0.5	0.5	1.4	3.8	7.2	10.6	14.4	17.3
115°	3.4	1.4	0.5	0.5	0.5	1.4	3.4	6.2	9.1	12.5	15.4
117.5°	2.9	1.4	0.5	0.5	0.5	1.0	2.9	5.3	8.2	11.1	13.9
120°	2.4	1.0	0.5	0.5	0.5	1.0	2.4	4.8	7.2	9.6	12.0
122.5°	2.4	1.0	0.5	0.5	0.5	1.0	1.9	3.8	6.2	8.2	10.6
125°	1.9	1.0	0.5	0.5	0.5	0.5	1.9	3.4	5.3	7.2	9.1
127.5°	1.9	1.0	0.5	0.5	0.5	0.5	1.4	2.9	4.3	6.2	8.2
130°	1.4	1.0	0.5	0.5	0.5	0.5	1.0	2.4	3.8	5.3	6.7
132.5°	1.4	1.0	0.5	0.5	0.5	0.5	1.0	1.9	2.9	4.3	5.8
135°	1.4	0.5	0.5	0.5	0.5	0.5	0.5	1.4	2.4	3.4	4.3
137.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.9	2.4	3.8
140°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	1.9	2.9
142.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	2.4
145°	1.0	0.5	0.5	1.0	1.0	0.5	0.5	1.0	1.0	1.4	1.9
147.5°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.4
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4
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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4
2.5°	935.2	924.1	929.9	928.0	929.9	934.7	934.2	932.8	933.8	931.4	929.0
5°	933.3	922.2	928.0	925.6	928.0	932.8	931.8	930.4	931.8	929.0	926.6
7.5°	930.9	920.8	927.5	927.0	931.4	937.6	938.1	938.1	941.4	937.1	935.2
10°	930.9	925.6	934.7	938.1	949.1	957.3	958.3	960.2	966.0	965.0	960.2
12.5°	941.0	940.0	953.5	961.6	971.7	983.3	989.5	991.4	995.3	992.4	990.5
15°	953.9	958.7	973.6	982.8	993.8	1002.5	1003.9	1004.9	1007.8	1003.4	1000.1
17.5°	971.2	974.1	986.1	990.0	997.2	998.6	996.7	991.9	991.9	982.3	979.4
20°	979.4	978.0	982.8	976.5	973.6	965.0	956.8	947.7	947.2	937.1	936.2
22.5°	972.2	962.6	952.5	937.1	930.4	917.9	906.8	901.6	898.2	885.2	881.9
25°	946.7	923.2	908.3	890.0	873.7	859.3	848.7	837.6	827.1	816.5	811.7
27.5°	902.5	880.4	856.4	830.9	808.3	786.2	768.4	757.4	747.3	733.4	726.2
30°	848.2	817.5	791.0	766.5	729.5	702.6	687.7	665.6	657.9	651.7	638.2
32.5°	784.3	747.3	711.3	678.1	640.1	615.1	595.4	579.1	574.3	557.9	554.1
35°	713.7	665.1	624.3	591.6	564.2	533.9	517.6	506.5	496.9	485.9	483.9
37.5°	630.5	586.8	540.6	511.8	490.2	464.2	451.7	444.1	439.7	431.6	430.1
40°	546.9	503.2	471.4	442.6	429.2	415.2	406.1	402.7	400.8	397.9	395.0
42.5°	471.0	432.5	409.9	390.7	384.9	378.2	375.8	377.7	375.8	374.8	374.4
45°	406.6	377.3	361.4	355.6	354.2	352.3	354.2	357.5	358.0	357.1	357.1
47.5°	347.9	334.0	327.3	328.2	330.6	332.1	335.4	339.8	340.7	338.3	339.3
50°	309.5	301.3	299.9	303.7	309.0	310.9	314.8	318.1	317.7	316.7	315.7
52.5°	273.4	271.0	274.9	278.7	284.5	285.5	286.9	288.3	287.9	285.9	285.0
55°	243.2	245.1	248.5	249.9	254.2	253.7	254.2	254.2	252.3	251.3	249.9
57.5°	215.8	216.3	218.2	218.7	221.1	220.1	219.6	218.7	215.8	215.3	213.9
60°	187.9	186.9	191.3	187.9	189.8	187.9	187.4	185.0	182.1	181.7	180.7
62.5°	161.5	159.6	162.4	161.0	162.0	160.0	159.1	156.2	153.8	153.3	152.8
65°	137.9	137.0	139.8	139.4	140.3	137.9	137.0	135.0	133.1	132.6	132.2
67.5°	118.2	120.6	122.1	122.1	123.0	122.5	120.1	119.7	119.2	117.3	117.3
70°	103.8	105.2	108.1	108.6	108.1	109.1	107.2	106.7	106.2	105.2	104.8
72.5°	92.3	94.2	97.1	97.6	97.1	97.1	96.1	95.6	95.6	94.2	94.2
75°	83.1	85.5	87.9	87.9	87.9	87.0	86.0	86.0	85.1	84.6	83.6
77.5°	75.5	78.3	80.3	79.8	79.3	78.3	78.3	76.9	75.5	75.5	74.5
80°	69.7	71.6	73.0	72.6	72.1	70.6	70.2	68.7	67.8	66.3	66.3
82.5°	63.4	65.8	66.8	66.3	65.4	63.9	63.4	62.5	61.5	61.0	60.1
85°	58.1	60.6	61.0	60.1	59.1	58.1	57.7	57.2	56.7	55.7	55.7
87.5°	52.9	55.3	55.3	54.8	53.8	53.3	52.9	52.4	51.9	51.4	50.9
90°	48.5	50.5	50.5	50.0	49.5	49.0	48.5	48.1	47.6	47.1	47.1
92.5°	44.2	46.1	46.1	45.7	45.2	44.7	44.7	44.2	43.7	43.3	42.8
95°	40.4	42.3	42.3	42.3	41.8	41.3	41.3	40.8	40.4	40.4	39.9
97.5°	36.5	38.4	38.4	38.4	38.0	37.5	37.5	37.0	37.0	37.0	36.5
100°	33.2	34.6	35.1	35.1	34.6	34.6	34.6	34.1	34.1	34.1	33.6
102.5°	29.8	31.2	32.2	32.2	32.2	31.7	31.7	31.7	31.7	31.7	31.2
105°	26.9	28.4	29.3	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
107.5°	24.5	26.0	26.9	27.4	27.9	27.9	28.4	28.4	28.4	28.4	28.4
110°	22.1	23.5	25.0	25.5	26.0	26.4	26.4	26.9	26.4	26.4	26.4



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	19.7	21.6	22.6	23.5	24.0	24.5	25.0	25.0	25.0	25.0	25.0
115°	17.8	19.7	20.7	21.6	22.6	23.1	23.1	23.5	23.5	23.5	23.1
117.5°	15.9	17.8	18.7	19.7	20.2	21.1	21.6	21.6	21.6	21.6	21.1
120°	14.4	15.9	16.8	17.8	18.7	19.2	19.7	19.7	19.7	19.7	19.7
122.5°	12.5	13.9	15.4	16.3	16.8	17.3	17.8	17.8	17.8	17.8	17.8
125°	11.1	12.5	13.5	14.4	14.9	15.9	15.9	15.9	15.9	15.9	15.9
127.5°	9.6	11.1	12.0	13.0	13.5	13.9	14.4	14.4	14.4	14.4	14.4
130°	8.2	9.6	10.6	11.5	12.0	12.5	12.5	13.0	13.0	13.0	13.0
132.5°	7.2	8.2	9.1	10.1	10.6	11.1	11.1	11.5	11.5	11.5	11.5
135°	5.8	7.2	7.7	8.7	9.1	9.6	9.6	10.1	10.1	10.1	10.1
137.5°	4.8	5.8	6.7	7.7	8.2	8.2	8.7	8.7	9.1	9.1	9.1
140°	3.8	4.3	5.8	6.2	6.7	7.2	7.7	7.7	7.7	7.7	7.7
142.5°	2.9	3.8	4.3	5.3	5.8	6.2	6.7	6.7	6.7	6.7	6.7
145°	2.4	2.9	3.4	4.3	4.8	5.3	5.8	5.8	5.8	5.8	5.8
147.5°	1.9	2.4	2.9	3.4	3.8	4.3	4.8	4.8	4.8	4.8	4.8
150°	1.4	1.9	2.4	2.4	2.9	3.4	3.8	4.3	4.3	4.3	4.3
152.5°	1.4	1.4	1.9	1.9	2.4	2.9	3.4	3.4	3.4	3.4	3.4
155°	1.0	1.4	1.4	1.4	1.9	1.9	2.4	2.9	2.9	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4	930.4
2.5°	930.4	932.3	931.4	929.9	929.4	931.8	929.4	918.4	922.7	923.2	926.6
5°	929.0	930.4	929.4	928.5	927.0	929.9	927.0	915.5	919.8	920.3	923.7
7.5°	938.6	939.0	939.0	936.6	932.8	934.2	930.4	917.4	919.8	919.8	922.2
10°	962.6	963.6	965.0	958.7	953.9	950.1	944.8	929.0	928.5	924.6	924.6
12.5°	993.8	991.4	989.0	986.1	982.3	977.5	969.8	951.1	944.8	938.6	932.3
15°	1003.0	1002.0	1001.5	1000.1	997.7	996.2	990.5	971.7	962.6	954.9	943.9
17.5°	978.9	980.9	987.1	987.6	990.5	996.2	995.3	982.3	974.1	970.8	957.3
20°	935.7	936.2	943.9	947.2	959.7	969.3	976.5	975.1	973.2	977.0	966.9
22.5°	883.8	887.1	895.3	900.6	912.6	923.7	935.2	941.4	951.5	967.4	965.5
25°	813.1	817.5	829.0	837.6	854.5	871.3	886.7	897.7	909.7	940.0	950.1
27.5°	728.6	735.3	750.2	758.8	782.4	799.7	821.8	843.4	860.2	894.8	915.5
30°	639.6	645.4	661.3	673.3	693.5	717.0	744.9	775.6	803.5	838.6	864.6
32.5°	556.5	562.8	575.7	586.3	608.9	628.6	659.3	697.3	723.3	771.8	806.4
35°	483.9	489.7	498.8	508.0	526.7	546.9	573.3	610.3	643.5	694.0	737.7
37.5°	433.0	434.0	439.2	444.5	458.5	473.8	494.5	527.2	557.9	612.3	660.3
40°	396.5	396.5	399.4	400.8	407.0	416.2	429.2	454.6	480.1	521.4	580.1
42.5°	373.9	372.9	372.9	373.4	372.9	377.3	384.9	397.0	419.5	453.7	499.3
45°	357.1	355.1	353.7	350.3	348.4	348.4	348.9	353.2	366.2	388.3	425.3
47.5°	338.3	337.8	335.4	331.6	328.2	325.8	322.0	320.5	324.4	336.9	361.9
50°	316.7	314.3	311.9	309.0	305.2	302.8	295.6	296.0	292.7	298.4	311.4
52.5°	285.0	283.1	282.1	279.7	278.3	277.3	271.5	265.8	264.3	265.3	270.1
55°	249.9	250.9	247.0	248.9	248.5	244.1	241.7	237.4	236.0	235.5	237.9
57.5°	213.4	214.3	211.9	213.9	213.9	211.5	210.0	210.0	206.6	203.8	207.1
60°	180.2	178.3	179.7	182.1	182.1	180.7	179.7	179.7	177.3	176.4	178.8
62.5°	153.3	151.4	152.8	155.2	155.7	154.7	153.8	153.8	150.9	150.9	152.8
65°	132.6	133.1	132.6	134.6	134.6	135.0	134.1	133.1	129.8	131.2	130.7
67.5°	117.7	117.3	117.3	119.2	118.7	119.7	118.7	117.3	114.9	112.9	112.5
70°	105.2	104.8	104.8	105.7	106.2	106.2	105.7	104.8	101.4	99.5	98.0
72.5°	94.2	93.7	94.2	94.7	95.2	95.6	95.2	94.2	91.3	88.9	86.5
75°	84.1	83.6	85.1	85.1	85.5	85.5	86.0	85.5	83.1	80.3	77.4
77.5°	74.0	74.5	75.9	76.4	77.4	77.9	78.3	78.3	75.9	73.5	69.7
80°	65.8	66.8	67.8	68.2	69.2	70.6	71.1	71.6	69.7	67.3	63.0
82.5°	60.1	60.6	61.5	62.0	63.4	63.9	64.4	65.4	64.4	62.0	57.2
85°	55.3	55.7	56.7	56.7	57.7	58.6	59.1	59.6	59.1	56.7	51.9
87.5°	50.9	51.4	51.9	52.4	52.9	53.3	53.8	54.3	53.8	51.4	47.1
90°	47.1	47.1	47.6	47.6	48.1	48.5	49.5	49.5	49.0	47.1	42.8
92.5°	42.8	43.3	43.3	43.7	44.2	44.7	45.2	45.2	44.7	42.8	38.9
95°	39.9	39.9	40.4	40.4	40.8	40.8	41.3	41.3	40.8	38.9	35.1
97.5°	36.5	36.5	36.5	36.5	37.0	37.0	37.5	37.5	37.0	35.1	31.7
100°	33.6	33.6	33.6	33.6	33.6	34.1	34.1	34.1	33.6	31.7	28.4
102.5°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	30.3	28.8	25.5
105°	29.8	29.8	29.8	29.3	29.3	29.3	28.8	28.8	27.4	26.0	23.1
107.5°	27.9	27.9	27.9	27.4	27.4	26.9	26.4	26.4	25.0	23.5	20.7
110°	26.4	26.4	26.4	26.0	25.5	25.0	24.5	24.0	22.6	20.7	18.3



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	25.0	25.0	24.5	24.5	24.0	23.5	22.6	22.1	20.7	18.7	16.3
115°	23.1	23.1	23.1	22.6	22.1	21.6	21.1	20.2	18.7	16.8	14.4
117.5°	21.1	21.1	21.1	20.7	20.2	19.7	19.2	18.3	16.8	14.9	13.0
120°	19.2	19.2	19.2	18.7	18.3	17.8	17.3	16.3	14.9	13.5	11.1
122.5°	17.8	17.8	17.3	16.8	16.3	15.9	15.4	14.4	13.5	11.5	9.6
125°	15.9	15.9	15.4	15.4	14.9	14.4	13.9	13.0	11.5	10.1	8.7
127.5°	14.4	13.9	13.9	13.9	13.5	13.0	12.0	11.5	10.1	8.7	7.2
130°	12.5	12.5	12.5	12.0	12.0	11.5	10.6	9.6	8.7	7.7	6.2
132.5°	11.1	11.1	11.1	11.1	10.6	10.1	9.1	8.7	7.7	6.2	5.3
135°	10.1	10.1	9.6	9.6	9.1	8.7	8.2	7.2	6.2	5.3	4.3
137.5°	8.7	8.7	8.7	8.2	8.2	7.7	6.7	6.2	5.8	4.8	3.8
140°	7.7	7.7	7.2	7.2	6.7	6.7	6.2	5.3	4.8	3.8	3.4
142.5°	6.7	6.7	6.2	6.2	5.8	5.8	5.3	4.8	3.8	3.4	2.4
145°	5.8	5.8	5.3	5.3	5.3	4.8	4.3	3.8	3.4	2.9	2.4
147.5°	4.8	4.8	4.8	4.3	4.3	3.8	3.8	3.4	2.9	2.4	1.9
150°	4.3	4.3	3.8	3.8	3.8	3.4	2.9	2.9	2.4	1.9	1.4
152.5°	3.4	3.4	3.4	3.4	2.9	2.9	2.4	2.4	1.9	1.4	1.4
155°	2.9	2.9	2.9	2.4	2.4	2.4	1.9	1.9	1.4	1.4	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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	930.4	930.4	930.4	930.4	930.4	930.4	930.4
2.5°	925.1	924.6	929.0	928.5	922.7	931.4	937.1
5°	922.7	922.2	926.1	927.0	920.8	929.9	936.2
7.5°	920.8	920.3	924.6	926.1	919.8	928.0	934.7
10°	921.3	918.9	922.7	923.7	917.9	926.6	932.3
12.5°	924.6	918.9	920.3	920.3	915.0	922.7	929.0
15°	932.8	920.8	918.9	917.4	910.7	917.9	924.1
17.5°	941.9	925.6	918.9	914.1	905.9	912.1	918.9
20°	951.1	930.9	919.8	912.1	901.1	906.8	911.7
22.5°	955.4	935.7	920.8	909.2	895.3	898.2	903.5
25°	949.6	933.8	918.9	904.9	888.1	888.6	892.9
27.5°	928.5	924.1	914.5	900.6	882.3	879.9	883.3
30°	892.4	904.4	904.9	894.8	875.6	870.8	872.2
32.5°	842.0	868.9	884.7	882.8	866.0	859.3	860.2
35°	783.8	817.5	852.1	863.6	851.6	846.3	844.4
37.5°	714.1	759.3	805.4	833.8	831.9	828.5	826.6
40°	637.2	691.5	746.3	791.5	805.4	805.4	806.4
42.5°	555.1	618.5	678.6	735.8	768.4	775.6	778.5
45°	475.8	539.7	605.0	670.9	714.6	737.2	745.4
47.5°	403.7	468.1	530.1	602.2	660.3	689.6	702.6
50°	342.2	390.2	455.6	527.2	590.6	626.7	652.1
52.5°	291.2	328.7	385.9	452.7	516.6	566.1	589.7
55°	248.5	273.9	322.5	380.1	441.2	492.6	520.0
57.5°	212.4	232.6	265.8	313.8	365.2	416.2	445.5
60°	180.7	194.6	217.2	255.2	298.9	342.7	371.0
62.5°	153.3	162.4	177.3	205.2	239.3	273.4	299.9
65°	132.2	136.0	144.2	161.5	187.4	213.4	236.0
67.5°	111.5	113.9	120.1	130.7	143.7	162.4	177.3
70°	96.1	96.1	96.6	102.8	109.6	121.6	132.2
72.5°	83.6	82.2	79.3	80.7	82.2	88.9	95.6
75°	73.5	70.2	65.4	63.4	62.5	63.4	67.3
77.5°	64.9	60.1	54.3	49.5	45.7	44.2	47.6
80°	57.7	51.9	45.2	38.9	32.7	29.3	30.8
82.5°	51.9	44.7	37.5	30.3	23.1	18.3	18.3
85°	45.7	38.9	31.2	23.5	16.3	10.1	9.1
87.5°	41.3	34.1	26.0	18.7	11.5	5.3	2.9
90°	37.0	29.8	22.1	14.9	8.2	2.4	0.0
92.5°	33.2	26.4	19.2	12.0	5.8	1.4	0.0
95°	29.8	23.5	16.3	10.1	4.8	1.0	0.5
97.5°	26.4	20.7	14.4	8.2	3.4	1.0	0.5
100°	24.0	18.3	12.5	6.7	2.9	0.5	0.5
102.5°	21.1	16.3	10.6	5.8	2.4	0.5	0.5
105°	18.7	14.4	9.1	4.8	1.9	0.5	0.5
107.5°	16.8	12.5	8.2	4.3	1.9	0.5	0.5
110°	14.9	11.1	7.2	3.8	1.4	0.5	0.5



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	13.5	9.6	6.2	3.4	1.0	0.5	0.5
115°	11.5	8.7	5.3	2.9	1.0	0.5	0.5
117.5°	10.1	7.2	4.8	2.4	1.0	0.5	0.5
120°	8.7	6.2	3.8	1.9	0.5	0.5	0.5
122.5°	7.7	5.3	3.4	1.9	0.5	0.5	0.5
125°	6.7	4.8	2.9	1.4	0.5	0.5	0.5
127.5°	5.8	3.8	2.4	1.0	0.5	0.5	0.5
130°	4.8	3.4	1.9	1.0	0.5	0.5	0.5
132.5°	3.8	2.9	1.9	1.0	0.5	0.5	0.5
135°	3.4	2.4	1.4	1.0	0.5	0.5	0.5
137.5°	2.9	1.9	1.0	1.0	1.0	0.5	0.5
140°	2.4	1.4	1.0	1.0	1.0	1.0	0.5
142.5°	1.9	1.4	1.0	1.0	1.0	1.0	0.5
145°	1.4	1.0	1.0	1.0	1.0	1.0	0.5
147.5°	1.4	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)