

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: P571637

Luminaire Tested: **2ST2L2040**

Issue Date: 3/18/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P571637  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P579285)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2ST2L2040  
Description: 2 FOOT ST2 STIPLIGHT WITH 4000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

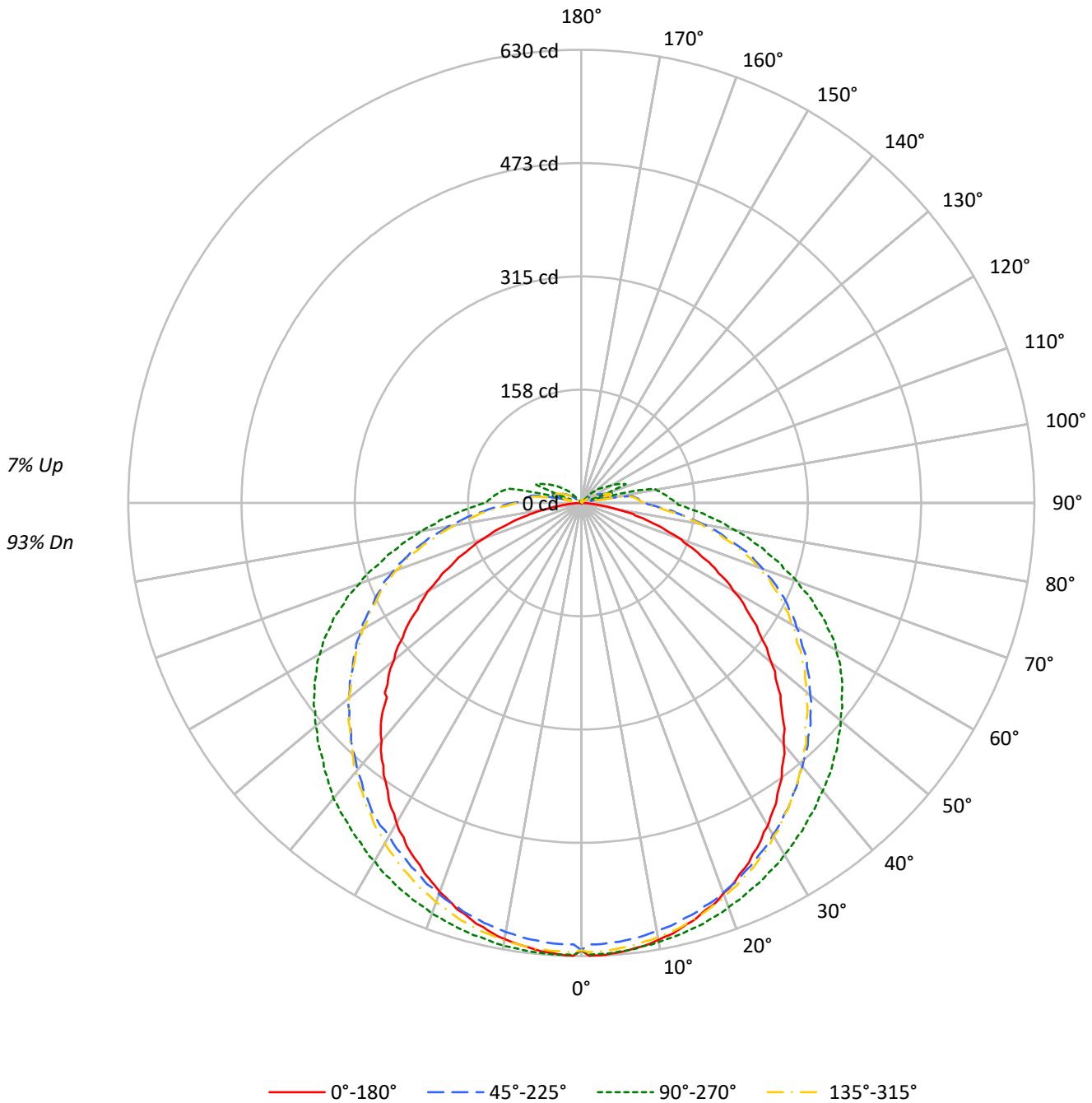
Lumens per Lamp: N/A  
Luminaire Lumens: 2279.0 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 2' x H: 0.11')  
CIE Type: Direct

Input Watts (W): 19.3  
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: P571637  
CATALOG NUMBER: 2ST2L2040

### 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	0
RCR																		
0	117	117	117	117	114	114	114	114	107	107	107	102	102	102	96	96	96	93
1	105	99	94	90	102	96	92	88	91	87	84	86	83	80	81	79	76	74
2	95	85	78	71	91	83	76	70	78	72	67	74	69	65	70	66	62	60
3	86	74	65	58	83	72	64	57	68	61	55	64	58	53	61	56	52	49
4	78	65	56	49	75	63	55	48	60	52	46	57	50	45	54	48	44	41
5	72	58	48	41	69	56	48	41	53	46	40	51	44	39	48	42	38	35
6	66	52	43	36	64	51	42	35	48	40	35	46	39	34	44	38	33	31
7	61	47	38	31	59	46	37	31	44	36	30	42	35	30	40	34	29	27
8	57	43	34	28	55	42	33	28	40	32	27	38	31	26	36	30	26	24
9	53	39	31	25	51	38	30	25	37	29	24	35	28	24	34	28	23	21
10	50	36	28	22	48	35	28	22	34	27	22	32	26	21	31	25	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11474	11474	11474	11474
5°	11555	11221	11541	11268
10°	11446	10899	11425	10989
15°	11324	10619	11266	10723
20°	11123	10349	11086	10507
25°	10950	10123	10853	10298
30°	10713	9906	10618	10083
35°	10428	9732	10294	9950
40°	10092	9594	9956	9851
45°	9709	9468	9466	9651
50°	9284	9366	9166	9597
55°	8890	9312	8773	9512
60°	8246	9181	8334	9423
65°	7667	8953	7605	9243
70°	6941	8523	6772	8772
75°	5652	7983	5788	8315
80°	4081	7385	4105	7741
85°	2131	6886	2236	7156



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.9	2.6
10°-20°	169.4	7.4
20°-30°	259.5	11.4
30°-40°	319.9	14.0
40°-50°	345.3	15.2
50°-60°	336.4	14.8
60°-70°	294.6	12.9
70°-80°	219.0	9.6
80°-90°	127.0	5.6
90°-100°	72.9	3.2
100°-110°	26.8	1.2
110°-120°	27.7	1.2
120°-130°	14.6	0.6
130°-140°	4.0	0.2
140°-150°	0.8	0.0
150°-160°	0.9	0.0
160°-170°	0.8	0.0
170°-180°	0.4	0.0
0°-30°	487.8	21.4
0°-40°	807.6	35.4
0°-60°	1489.4	65.4
0°-90°	2130.0	93.5
90°-120°	127.4	5.6
90°-150°	146.8	6.4
90°-180°	149.0	6.5
0°-180°	2279.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	622	622	622	622	622	
5°	627	626	626	628	627	60
15°	601	611	598	617	601	169
25°	551	583	546	593	551	254
35°	480	544	474	557	480	301
45°	392	498	382	507	392	303
55°	298	443	294	452	298	265
65°	196	368	194	380	196	193
75°	95	267	98	278	95	103
85°	16	171	17	177	16	20
90°	1	133	2	134	1	1
95°	0	119	1	121	0	1
105°	0	18	0	18	0	0
115°	0	63	1	62	0	0
125°	0	38	0	40	0	0
135°	0	18	1	16	0	0
145°	1	1	1	1	1	1
155°	2	2	2	2	2	1
165°	3	3	3	3	3	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



TEST NUMBER: P571637  
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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8
1°	629.6	599.8	613.8	631.2	628.1	617.5	624.7	624.2	629.6	599.8	613.8
2°	629.4	599.6	614.1	630.9	627.5	616.7	623.9	623.9	629.4	599.6	614.3
3°	629.1	599.3	613.5	630.6	627.8	615.9	623.7	623.4	628.1	599.1	613.8
4°	627.8	598.5	612.3	630.1	627.0	615.6	622.6	622.4	626.5	598.0	613.5
5°	626.8	597.5	612.3	629.4	625.5	614.8	621.1	620.8	626.0	597.0	612.5
6°	625.2	596.8	610.7	628.1	625.5	613.1	620.3	620.0	623.9	596.5	611.2
7°	623.2	594.9	609.7	627.0	624.2	612.5	618.8	618.2	621.6	594.4	610.7
8°	622.1	593.4	608.4	626.0	622.1	610.7	616.4	615.4	620.3	592.1	608.9
9°	620.0	591.6	606.1	624.2	621.8	608.9	615.4	613.5	618.0	590.8	606.8
10°	616.7	589.0	604.5	623.2	619.8	607.9	612.8	612.0	615.6	588.2	605.8
11°	614.1	587.4	602.5	621.6	618.0	606.1	611.0	608.6	613.3	585.4	603.4
12°	612.0	584.1	600.9	619.2	616.7	603.7	608.6	604.8	609.4	581.4	601.1
13°	607.9	580.4	598.0	618.0	615.4	601.9	606.6	603.2	605.5	579.7	599.3
14°	604.0	578.6	594.7	615.1	612.8	599.8	602.9	599.1	602.9	577.8	596.2
15°	601.4	574.7	593.1	612.0	611.2	597.2	599.8	594.7	598.3	574.0	593.9
16°	596.5	572.4	590.0	610.2	609.7	594.7	597.2	592.1	593.6	569.6	591.6
17°	591.6	569.0	586.1	607.1	606.3	592.6	593.6	587.9	590.8	566.7	587.7
18°	588.7	564.6	584.1	603.4	604.2	589.2	589.5	582.5	584.6	563.3	585.1
19°	584.1	560.5	580.9	602.7	601.7	586.9	586.9	579.4	579.7	558.2	582.5
20°	577.6	557.4	576.3	598.8	598.3	583.8	582.5	575.3	575.7	553.7	578.6
21°	573.7	552.2	572.7	595.7	595.2	580.4	577.8	568.5	569.3	550.6	574.2
22°	568.8	547.3	569.8	593.4	593.1	577.8	574.7	564.6	563.9	546.0	571.9
23°	561.5	543.9	565.1	589.0	589.0	574.0	569.6	559.7	559.0	539.8	567.0
24°	556.9	537.7	560.2	585.4	585.9	570.6	565.1	553.5	551.7	536.4	561.8
25°	551.4	532.2	557.1	582.7	583.3	567.5	561.5	549.9	546.5	530.7	558.7
26°	543.4	528.6	551.7	577.6	579.9	563.1	556.6	542.4	541.1	524.0	553.7
27°	538.2	521.9	547.0	573.4	575.7	561.3	550.6	536.2	535.1	520.1	548.6
28°	531.8	515.9	543.4	570.6	572.9	557.7	547.0	531.5	526.5	514.4	545.5
29°	523.5	511.8	539.0	565.1	569.8	554.3	541.9	523.7	521.6	507.2	540.6
30°	518.5	505.8	532.8	560.7	564.6	548.8	534.9	517.2	513.9	502.5	534.6
31°	510.5	498.6	528.6	555.0	561.5	546.0	531.3	512.1	505.1	496.5	530.5
32°	503.3	493.7	524.0	551.7	557.1	541.3	524.5	503.5	499.6	489.0	528.4
33°	497.6	489.0	517.2	547.6	552.5	536.2	517.8	497.1	491.6	485.9	523.5
34°	487.8	479.4	513.1	543.1	549.6	533.0	513.6	491.1	481.8	477.4	519.6
35°	480.5	474.3	507.4	538.5	544.4	528.1	507.2	482.1	474.3	470.7	512.9
36°	474.0	467.5	500.7	533.8	539.3	522.4	499.4	474.8	467.8	465.8	506.9
37°	463.4	458.7	496.3	529.9	536.4	519.3	495.2	467.0	457.4	457.2	502.8
38°	455.7	453.6	490.1	525.0	531.8	514.7	489.3	461.4	451.0	450.2	495.2
39°	448.9	446.0	482.8	518.8	525.8	510.0	482.6	451.5	443.0	445.0	489.5
40°	438.0	436.7	478.4	515.5	522.4	506.6	477.9	443.7	432.1	435.7	485.1
41°	429.0	431.6	472.0	509.5	518.0	500.4	469.9	437.5	425.3	428.2	477.7
42°	422.5	424.0	466.5	503.0	512.9	495.2	462.9	427.2	416.8	422.8	471.4
43°	411.1	418.1	461.6	499.2	509.5	491.4	458.5	419.4	407.5	413.4	466.8
44°	401.6	410.6	453.8	493.5	503.3	484.4	450.0	412.9	395.9	406.2	460.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	392.2	400.8	448.4	486.5	497.6	478.7	439.8	400.8	382.4	396.1	453.0
46°	385.0	395.1	443.2	482.3	494.0	472.0	434.9	394.8	379.8	389.9	446.3
47°	373.1	386.5	435.4	476.6	487.5	467.8	429.7	388.3	368.2	382.4	441.9
48°	363.7	376.9	429.2	469.6	481.5	462.1	423.0	377.7	361.1	376.4	433.9
49°	356.8	371.0	423.8	463.9	477.7	458.0	414.2	369.1	351.8	366.3	429.2
50°	344.3	362.5	415.8	459.8	470.7	450.7	408.8	363.0	339.9	358.3	422.3
51°	334.7	352.4	408.5	453.3	464.7	445.0	402.3	354.1	332.7	350.5	414.2
52°	327.5	344.3	403.6	446.0	460.6	440.1	394.8	343.5	323.6	344.1	408.8
53°	315.0	337.6	395.3	441.4	453.3	434.9	389.6	337.8	311.2	334.0	401.8
54°	305.0	327.5	387.8	434.9	447.9	427.4	380.8	328.8	303.7	328.0	393.0
55°	297.7	321.0	382.9	427.2	443.0	422.5	373.6	318.4	293.8	319.5	387.8
56°	285.0	313.0	375.9	422.8	437.3	416.8	368.4	312.0	284.0	309.4	381.3
57°	274.7	304.4	366.8	416.0	430.0	409.3	357.8	303.7	271.5	296.7	374.1
58°	267.2	294.1	359.8	408.0	424.8	402.8	352.4	293.1	264.6	294.6	368.9
59°	257.3	287.9	354.7	402.8	416.3	398.2	347.2	286.9	254.8	284.5	360.4
60°	244.4	279.1	345.4	396.1	408.8	389.6	338.4	278.6	247.0	276.5	352.8
61°	236.9	272.9	339.7	390.4	403.6	383.2	331.4	267.9	234.8	270.3	347.7
62°	226.8	263.0	332.7	380.5	395.1	377.5	325.7	261.7	224.7	260.2	338.9
63°	214.1	254.5	323.6	372.8	384.7	367.6	316.6	254.0	217.2	251.6	331.6
64°	206.3	248.3	318.2	361.9	378.0	359.8	310.4	243.6	204.5	245.7	322.3
65°	196.0	238.2	310.4	355.4	368.4	353.4	304.7	237.9	194.4	237.1	317.1
66°	183.6	229.9	300.6	346.7	356.8	344.6	294.9	229.1	187.2	227.1	310.1
67°	175.8	223.7	294.6	336.8	349.5	333.4	287.1	221.1	174.2	221.1	300.6
68°	165.7	213.6	286.1	329.6	339.7	326.4	281.4	210.7	164.4	213.1	297.0
69°	153.0	205.8	275.7	317.7	327.0	316.9	270.6	204.5	156.6	202.7	287.1
70°	147.8	199.6	269.2	307.3	319.2	304.7	261.5	196.5	144.2	196.7	278.6
71°	135.2	189.8	260.2	299.8	309.1	297.2	255.2	190.3	134.4	189.0	272.3
72°	125.0	182.0	251.6	286.9	295.9	286.9	245.9	180.4	126.8	179.1	261.5
73°	117.5	176.3	247.0	276.3	290.5	273.4	234.8	172.7	114.4	173.5	252.7
74°	105.1	168.3	232.8	268.5	277.5	265.6	227.6	167.0	104.8	165.7	245.9
75°	95.3	158.9	222.9	255.2	267.2	255.5	217.7	157.9	97.6	156.4	234.8
76°	88.3	151.2	210.0	245.1	259.7	242.6	205.6	150.2	88.5	148.6	225.0
77°	76.3	145.0	202.4	237.4	246.7	235.1	198.0	144.2	76.6	142.9	217.7
78°	74.0	134.4	194.7	223.9	239.2	224.7	188.2	134.4	69.9	135.4	205.6
79°	60.8	125.8	185.1	213.8	228.3	214.9	175.8	125.8	61.3	129.2	195.4
80°	50.2	119.1	173.2	206.6	215.9	207.4	168.8	117.3	50.5	118.8	188.2
81°	42.2	107.7	162.6	196.5	206.1	195.2	158.7	110.8	44.5	110.8	176.0
82°	36.3	98.9	149.9	184.1	199.1	185.6	146.3	99.7	37.0	104.3	166.7
83°	29.0	92.2	142.6	176.8	186.9	178.9	141.3	92.9	27.9	93.4	159.2
84°	20.7	81.1	133.3	169.8	177.3	167.5	129.5	84.1	23.0	84.9	149.6
85°	16.3	74.8	126.6	160.0	170.6	157.6	118.1	73.8	17.1	78.2	137.2
86°	10.1	66.5	115.2	148.6	159.2	150.9	111.8	65.2	10.9	67.8	130.0
87°	6.2	56.7	106.4	139.5	150.2	139.3	102.8	58.8	8.5	60.0	120.6
88°	4.2	51.3	99.9	128.9	143.7	131.2	94.5	49.4	4.4	54.1	109.8
89°	1.8	44.5	92.4	123.8	134.4	125.0	89.8	43.0	2.3	45.3	103.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.0	42.0	88.8	121.1	133.3	118.3	86.5	40.4	1.5	39.9	95.0
91°	0.8	40.1	86.8	119.1	129.5	116.5	84.1	38.8	1.3	38.3	86.2
92°	1.0	37.6	84.9	116.0	126.6	114.1	82.3	37.0	0.8	35.5	83.9
93°	1.0	35.7	81.3	113.4	123.2	112.6	79.7	35.7	1.0	34.2	81.3
94°	0.8	34.4	79.5	110.5	121.1	109.5	77.4	33.4	1.0	32.6	79.5
95°	0.5	23.6	77.4	108.7	118.6	107.7	76.1	22.0	0.8	26.7	78.2
96°	0.8	14.0	74.8	106.1	115.5	105.4	73.3	16.5	0.8	16.3	75.1
97°	0.8	12.4	73.5	103.1	113.4	102.5	70.9	13.7	0.8	14.5	72.5
98°	0.8	13.2	69.4	101.2	111.1	100.7	67.0	15.8	0.8	14.8	71.2
99°	0.5	18.9	48.4	98.1	107.7	98.4	46.6	18.9	0.8	18.4	65.7
100°	0.5	18.6	30.8	95.3	105.6	95.0	22.2	18.1	0.5	17.9	51.3
101°	0.5	17.6	15.3	86.2	103.1	91.9	17.9	17.1	0.5	16.8	37.3
102°	0.5	16.5	14.5	59.3	88.8	76.1	16.1	16.1	0.8	16.1	20.5
103°	0.5	15.3	13.2	33.4	72.5	48.2	15.0	15.0	0.8	15.3	18.6
104°	0.5	14.5	14.0	15.3	41.7	23.3	16.1	14.0	0.8	14.5	17.9
105°	0.5	13.2	25.4	12.7	17.9	15.8	29.5	13.5	0.5	13.2	21.0
106°	0.5	12.7	37.0	12.2	15.8	15.3	43.3	12.4	0.5	12.4	31.6
107°	0.2	11.6	45.0	11.6	15.0	14.2	42.5	11.4	0.5	11.1	40.6
108°	0.5	10.4	43.0	14.2	14.8	13.5	41.2	10.9	0.5	10.4	42.0
109°	0.2	9.6	41.7	24.1	14.5	18.6	39.3	9.9	0.5	9.3	40.1
110°	0.5	8.8	39.1	40.9	24.1	36.8	37.8	8.5	0.5	8.0	38.8
111°	0.5	7.0	36.5	60.6	40.1	49.7	34.7	7.8	0.5	5.2	36.5
112°	0.5	4.9	34.7	60.0	53.6	59.3	32.4	4.7	0.2	3.4	35.2
113°	0.5	2.3	32.1	57.7	67.0	58.0	30.8	2.1	0.5	2.1	33.9
114°	0.5	1.5	30.3	55.6	64.7	55.1	28.7	1.8	0.5	1.8	32.6
115°	0.2	1.5	29.0	53.9	63.2	52.8	27.2	1.5	0.8	1.5	30.6
116°	0.2	1.3	27.7	50.7	60.6	49.7	26.7	1.3	0.5	1.3	29.2
117°	0.2	0.8	25.9	47.9	57.2	47.6	25.4	1.0	0.5	0.8	27.9
118°	0.5	0.8	25.1	45.6	55.4	45.0	24.1	0.8	0.5	0.8	25.6
119°	0.2	0.8	23.6	42.5	52.0	43.0	22.8	0.8	0.5	0.8	24.9
120°	0.2	0.8	21.5	40.6	48.7	40.6	21.7	0.8	0.5	0.8	22.8
121°	0.5	0.8	20.2	38.0	46.3	37.8	19.9	0.8	0.5	0.8	21.2
122°	0.5	0.5	19.2	36.8	43.7	36.3	18.6	0.8	0.5	0.8	19.9
123°	0.2	0.5	17.1	34.9	41.2	34.9	17.3	0.2	0.5	0.8	18.1
124°	0.2	0.5	15.8	32.9	39.9	32.9	15.3	0.8	0.8	0.8	16.3
125°	0.2	0.5	14.8	31.6	38.0	31.3	14.0	0.5	0.5	0.5	15.6
126°	0.5	0.2	10.9	29.8	35.5	30.0	10.6	0.8	0.5	0.5	11.9
127°	0.5	0.8	6.5	27.9	34.4	28.2	5.2	0.5	0.5	0.5	7.8
128°	0.2	0.5	3.6	26.7	32.1	26.4	3.6	0.5	0.5	0.5	4.9
129°	0.5	0.5	2.1	24.3	31.1	25.4	2.3	0.5	0.5	0.8	2.6
130°	0.5	0.5	1.8	22.2	28.7	23.3	1.8	0.5	0.5	0.8	2.6
131°	0.5	0.8	1.8	21.0	26.7	21.2	1.8	0.8	0.8	0.5	2.1
132°	0.5	0.5	1.3	18.6	23.8	19.9	1.5	0.8	0.8	0.8	1.5
133°	0.5	0.5	1.0	16.8	23.3	18.1	1.3	1.0	0.8	0.8	1.3
134°	0.5	0.8	0.8	12.4	20.7	13.2	1.0	0.5	0.5	0.8	1.3





TEST NUMBER: P571637  
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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.5	0.5	0.8	9.6	18.1	9.6	0.8	0.8	0.8	0.8	1.0
136°	0.8	0.5	1.0	3.4	14.5	4.7	0.8	0.8	0.5	0.8	1.0
137°	0.5	0.5	0.8	2.3	7.2	2.8	0.8	0.8	0.8	0.8	1.0
138°	0.8	0.8	0.8	2.1	3.9	2.6	0.8	0.8	0.8	0.8	1.0
139°	0.8	0.8	0.8	2.1	2.8	2.1	1.0	0.8	0.8	1.0	0.8
140°	0.8	0.8	1.0	1.5	2.3	1.8	1.3	1.0	1.0	0.8	1.0
141°	0.8	1.0	1.0	1.3	2.1	1.5	1.0	1.0	1.0	1.3	1.3
142°	1.0	1.0	1.0	1.3	2.1	1.5	1.0	1.0	0.8	1.3	1.3
143°	1.0	1.0	1.0	1.0	1.5	1.3	1.0	1.0	1.0	1.0	1.3
144°	1.0	1.3	1.3	1.3	1.3	1.3	1.0	1.0	1.3	1.3	1.3
145°	1.3	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
146°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3
147°	1.3	1.3	1.3	1.3	1.5	1.3	1.5	1.3	1.3	1.3	1.3
148°	1.5	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.5	1.3	1.3
149°	1.5	1.5	1.8	1.8	1.8	1.5	1.3	1.3	1.5	1.5	1.5
150°	1.8	1.8	1.5	1.5	1.5	1.5	1.5	1.8	1.5	1.5	1.5
151°	1.8	1.8	1.5	1.8	1.8	1.5	1.8	1.8	1.8	1.5	1.5
152°	1.5	1.8	1.8	1.8	1.8	1.5	1.8	1.8	1.8	1.8	1.8
153°	2.1	2.1	1.8	1.8	2.1	1.8	1.8	1.5	1.8	1.8	1.8
154°	2.1	2.1	2.1	1.8	2.1	1.8	1.5	1.8	1.8	1.8	2.1
155°	2.1	2.3	2.3	1.8	2.1	1.8	1.8	2.1	2.1	2.1	1.8
156°	2.1	2.1	2.3	2.3	2.1	2.1	1.8	2.1	2.1	2.1	1.8
157°	2.3	2.3	2.3	2.3	2.3	1.8	2.1	2.3	2.1	2.1	2.1
158°	2.3	2.6	2.3	2.3	2.6	2.1	2.3	2.1	2.3	2.3	2.1
159°	2.6	2.6	2.3	2.6	2.6	2.3	2.3	2.3	2.3	2.3	2.3
160°	2.6	2.6	2.8	2.3	2.6	2.1	2.3	2.3	2.6	2.3	2.3
161°	2.6	2.8	2.6	2.8	2.6	2.3	2.6	2.3	2.6	2.6	2.3
162°	2.8	2.8	2.8	2.8	2.8	2.3	2.6	2.3	2.6	2.3	2.3
163°	2.8	2.8	3.1	2.8	2.8	2.6	2.6	2.8	2.6	2.6	2.6
164°	3.1	3.1	3.4	3.1	3.1	2.8	2.8	2.6	2.8	2.8	2.3
165°	3.4	3.1	3.4	3.4	2.8	2.6	2.8	2.8	2.8	2.8	2.8
166°	3.1	3.4	3.4	3.4	3.1	2.8	2.8	3.1	2.8	2.8	2.6
167°	3.4	3.4	3.6	3.4	3.4	2.8	3.4	3.1	2.8	3.1	3.1
168°	3.4	3.4	3.6	3.6	3.4	2.8	3.4	3.1	3.1	3.1	3.1
169°	3.6	3.9	3.9	3.9	3.6	3.1	3.1	3.4	3.4	3.1	3.1
170°	3.6	3.6	4.2	3.9	3.6	3.4	3.6	3.4	3.6	3.4	3.1
171°	3.9	3.9	4.2	3.9	3.9	3.6	3.4	3.4	3.4	3.6	3.4
172°	3.9	3.6	3.9	3.9	3.6	3.9	3.6	3.6	3.4	3.4	3.4
173°	4.2	4.2	4.2	4.2	3.6	3.9	3.6	3.9	3.6	3.6	3.6
174°	3.9	4.2	4.2	4.2	3.9	3.9	3.9	3.6	3.6	3.6	3.6
175°	4.2	4.2	4.2	4.2	4.2	3.9	3.9	3.9	3.6	3.9	3.9
176°	3.9	4.2	3.9	3.9	3.9	3.9	3.9	3.9	3.6	3.9	3.6
177°	4.2	4.2	4.2	4.2	4.2	3.9	3.6	3.6	3.9	3.9	3.6
178°	3.9	3.9	4.2	4.2	4.2	3.6	3.9	3.9	3.9	3.9	3.6
179°	4.2	4.2	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



TEST NUMBER: P571637  
 CATALOG NUMBER: 2ST2L2040

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	621.8	621.8	621.8	621.8	621.8	621.8
1°	631.4	628.6	617.5	624.4	624.7	629.6
2°	631.9	628.1	617.5	624.4	624.7	629.4
3°	631.4	628.9	617.7	623.9	624.4	629.1
4°	631.4	628.6	617.2	623.9	624.2	627.8
5°	631.2	628.1	616.7	622.9	622.9	626.8
6°	630.1	627.8	616.7	622.9	621.6	625.2
7°	629.1	627.3	615.6	621.6	620.5	623.2
8°	627.8	626.2	614.8	620.0	618.5	622.1
9°	627.3	625.5	613.5	619.0	616.1	620.0
10°	625.5	624.9	613.1	617.7	615.1	616.7
11°	623.7	623.7	611.5	615.4	612.5	614.1
12°	622.6	621.6	609.4	613.3	609.1	612.0
13°	620.8	619.8	608.6	612.0	606.8	607.9
14°	618.5	619.2	606.3	609.1	604.2	604.0
15°	616.9	617.2	604.0	605.8	600.4	601.4
16°	614.8	615.6	602.7	604.0	597.2	596.5
17°	612.8	613.3	600.6	600.6	593.9	591.6
18°	610.5	611.5	597.5	596.8	589.7	588.7
19°	607.4	609.1	596.8	593.6	586.9	584.1
20°	604.2	607.4	593.4	590.8	581.4	577.6
21°	600.9	603.7	590.5	586.1	576.5	573.7
22°	599.1	601.7	588.7	582.7	572.9	568.8
23°	594.9	599.6	584.6	579.7	566.7	561.5
24°	590.5	596.0	580.9	574.5	561.8	556.9
25°	587.9	593.4	579.1	569.6	557.4	551.4
26°	584.3	590.3	574.7	566.2	549.9	543.4
27°	579.4	586.1	570.6	561.3	544.7	538.2
28°	576.8	583.8	567.7	555.6	540.0	531.8
29°	573.2	579.7	563.6	552.0	532.2	523.5
30°	568.5	574.7	559.2	546.5	526.1	518.5
31°	565.9	572.7	554.3	540.0	520.9	510.5
32°	560.5	568.3	550.9	535.6	513.9	503.3
33°	555.8	563.3	547.3	530.5	509.2	497.6
34°	552.5	560.5	542.4	522.9	499.9	487.8
35°	546.5	556.6	539.5	518.5	492.4	480.5
36°	541.6	551.4	533.6	512.9	483.1	474.0
37°	537.9	548.1	528.6	505.3	477.4	463.4
38°	532.0	544.4	525.8	500.4	469.4	455.7
39°	527.1	539.5	522.4	494.2	459.3	448.9
40°	522.9	536.4	514.9	487.2	453.3	438.0
41°	516.7	530.2	511.3	482.6	445.3	429.0
42°	511.8	525.0	504.8	474.5	435.2	422.5
43°	507.7	518.8	500.4	467.5	428.7	411.1
44°	500.4	514.9	495.5	462.9	421.0	401.6



TEST NUMBER: P571637  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	495.2	507.2	488.8	454.4	410.9	392.2
46°	491.1	502.8	483.6	447.9	404.1	385.0
47°	484.9	498.6	479.2	442.7	395.9	373.1
48°	477.7	493.5	473.5	434.2	386.5	363.7
49°	473.5	486.5	466.0	427.7	375.9	356.8
50°	466.5	482.3	461.8	422.3	369.7	344.3
51°	459.8	476.6	455.7	413.2	360.9	334.7
52°	455.4	469.4	448.1	406.2	350.0	327.5
53°	448.4	466.3	444.0	400.8	343.0	315.0
54°	440.9	459.0	437.5	393.2	334.7	305.0
55°	436.0	452.5	429.7	384.5	323.9	297.7
56°	430.0	447.9	425.3	379.0	317.1	285.0
57°	421.7	439.8	419.1	371.8	308.6	274.7
58°	416.6	433.7	411.1	362.7	298.0	267.2
59°	410.6	428.2	408.0	357.3	291.3	257.3
60°	403.3	419.6	400.0	350.3	282.7	244.4
61°	398.7	412.4	392.7	341.2	276.5	236.9
62°	388.6	405.9	387.8	334.0	266.1	226.8
63°	380.5	395.9	378.5	328.8	256.8	214.1
64°	370.5	387.0	370.5	319.5	248.8	206.3
65°	363.7	380.3	364.2	312.2	242.3	196.0
66°	354.9	369.1	353.9	306.5	232.0	183.6
67°	343.5	358.5	344.8	298.7	223.9	175.8
68°	336.3	351.8	338.1	288.6	217.4	165.7
69°	327.0	339.4	325.9	282.4	207.1	153.0
70°	314.3	328.5	316.1	274.2	199.1	147.8
71°	306.3	320.5	308.6	263.0	192.6	135.2
72°	296.2	309.6	298.7	256.3	182.8	125.0
73°	285.6	296.4	285.3	247.5	174.2	117.5
74°	277.8	286.1	277.2	235.6	168.5	105.1
75°	264.6	278.3	266.9	228.3	158.7	95.3
76°	254.5	265.1	253.7	218.7	150.7	88.3
77°	246.7	257.1	245.9	206.1	145.0	76.3
78°	233.5	246.7	235.6	198.6	137.2	74.0
79°	222.9	234.3	222.9	188.5	127.1	60.8
80°	215.1	226.3	215.4	178.4	120.4	50.2
81°	202.4	216.2	205.3	170.9	112.1	42.2
82°	192.3	203.7	192.6	158.2	101.0	36.3
83°	185.1	198.8	185.3	148.3	93.7	29.0
84°	173.0	186.7	176.0	141.1	85.2	20.7
85°	163.6	177.3	167.0	128.7	78.4	16.3
86°	156.6	168.0	155.6	121.7	67.8	10.1
87°	147.5	158.9	149.1	112.9	59.6	6.2
88°	136.4	149.6	140.3	102.8	50.2	4.2
89°	130.0	142.9	133.6	96.8	45.3	1.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	121.7	133.9	122.7	88.8	40.1	1.0
91°	117.0	130.7	118.1	84.7	38.6	0.8
92°	115.2	128.9	114.9	82.3	36.0	1.0
93°	111.3	125.3	113.2	80.8	34.4	1.0
94°	109.2	123.0	110.3	77.9	30.6	0.8
95°	107.7	121.1	107.2	75.6	22.2	0.5
96°	105.6	118.1	105.4	74.0	13.5	0.8
97°	103.3	115.2	103.1	72.0	12.2	0.8
98°	101.5	113.2	99.7	63.7	14.8	0.8
99°	98.4	109.8	98.1	51.0	17.9	0.5
100°	93.7	106.9	95.3	29.2	16.8	0.5
101°	84.1	103.1	84.1	16.3	16.5	0.5
102°	52.6	86.8	69.1	15.3	15.8	0.5
103°	34.4	57.0	38.8	14.2	14.8	0.5
104°	20.7	37.6	16.5	21.0	14.0	0.5
105°	17.1	17.9	14.5	30.6	12.9	0.5
106°	17.1	16.3	13.5	43.7	12.9	0.5
107°	16.3	15.8	12.7	43.0	11.4	0.2
108°	15.8	15.3	14.5	42.5	9.9	0.5
109°	20.7	20.5	29.5	39.3	9.1	0.2
110°	33.9	31.3	46.3	37.6	7.8	0.5
111°	49.9	48.7	57.7	36.5	4.4	0.5
112°	59.6	67.8	58.3	34.7	2.8	0.5
113°	57.7	67.8	55.9	32.9	2.1	0.5
114°	55.9	65.2	54.1	31.6	1.3	0.5
115°	53.6	62.1	52.3	29.5	1.3	0.2
116°	52.0	60.6	49.7	27.9	1.0	0.2
117°	49.4	57.7	48.2	26.7	1.0	0.2
118°	47.6	55.6	46.3	24.3	0.8	0.5
119°	45.8	54.1	44.0	23.0	0.8	0.2
120°	43.7	51.3	42.2	22.0	0.8	0.2
121°	41.7	48.7	40.4	19.9	0.8	0.5
122°	39.9	46.6	37.8	18.4	0.8	0.5
123°	37.8	44.0	36.3	17.1	0.5	0.2
124°	35.2	41.7	34.2	15.6	0.5	0.2
125°	33.9	40.1	32.6	11.9	0.8	0.2
126°	31.3	37.6	31.1	9.1	0.5	0.5
127°	29.2	34.9	28.5	4.7	0.5	0.5
128°	27.7	33.6	26.4	2.6	0.5	0.2
129°	25.9	30.3	24.9	2.1	0.5	0.5
130°	23.6	28.5	22.5	1.8	0.5	0.5
131°	22.0	26.9	20.5	1.5	0.2	0.5
132°	19.9	24.6	18.9	1.3	0.8	0.5
133°	16.3	22.0	14.0	1.3	0.8	0.5
134°	13.2	20.5	9.1	1.0	0.5	0.5



TEST NUMBER: P571637  
 CATALOG NUMBER: 2ST2L2040

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	7.8	16.3	5.9	0.8	0.5	0.5
136°	3.9	9.6	2.8	0.8	0.8	0.8
137°	2.8	5.9	2.3	0.8	0.8	0.5
138°	2.6	3.6	2.6	0.8	1.0	0.8
139°	2.1	2.8	2.3	0.8	1.0	0.8
140°	1.8	2.3	1.5	1.0	0.8	0.8
141°	1.5	2.1	1.3	0.8	1.0	0.8
142°	1.3	1.8	1.3	1.0	1.0	1.0
143°	1.0	1.5	1.3	1.0	1.0	1.0
144°	1.3	1.3	1.3	1.3	1.3	1.0
145°	1.3	1.0	1.0	1.3	1.0	1.3
146°	1.3	1.5	1.3	1.3	1.5	1.3
147°	1.3	1.3	1.5	1.5	1.5	1.3
148°	1.3	1.5	1.8	1.5	1.3	1.5
149°	1.3	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.8	1.5	1.8	1.8	1.8
151°	1.8	1.5	1.8	1.8	1.8	1.8
152°	1.8	1.8	1.8	2.1	1.8	1.5
153°	1.8	1.5	1.8	2.1	2.1	2.1
154°	1.8	2.1	2.1	1.8	1.8	2.1
155°	1.8	2.1	2.1	2.1	2.1	2.1
156°	1.8	2.3	2.1	2.3	2.3	2.1
157°	2.1	2.3	2.6	2.3	2.3	2.3
158°	2.3	2.1	2.1	2.3	2.6	2.3
159°	2.3	2.3	2.1	2.3	2.6	2.6
160°	2.1	2.3	2.6	2.6	2.6	2.6
161°	2.6	2.6	2.6	2.6	2.6	2.6
162°	2.3	2.3	2.6	2.8	2.8	2.8
163°	2.6	2.8	2.8	2.8	2.8	2.8
164°	2.6	2.6	2.8	2.8	3.1	3.1
165°	2.3	2.8	3.1	3.1	3.1	3.4
166°	2.8	2.8	3.1	3.1	3.4	3.1
167°	2.8	3.1	3.1	3.4	3.4	3.4
168°	3.1	3.1	3.4	3.4	3.6	3.4
169°	3.4	3.4	3.6	3.6	3.6	3.6
170°	3.4	3.4	3.4	3.4	3.6	3.6
171°	3.4	3.6	3.6	3.4	3.6	3.9
172°	3.4	3.9	3.6	3.6	3.6	3.9
173°	3.6	3.9	3.6	3.9	3.6	4.2
174°	3.6	3.9	3.9	3.9	3.9	3.9
175°	3.9	3.9	3.9	3.9	3.9	4.2
176°	3.9	3.9	3.6	3.9	4.2	3.9
177°	3.6	3.9	4.2	3.9	3.9	4.2
178°	3.9	4.2	4.2	4.2	3.9	3.9
179°	4.2	4.2	3.9	3.9	4.2	4.2



TEST NUMBER: P571637  
CATALOG NUMBER: 2ST2L2040

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	4.1	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)