

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: P571638

Luminaire Tested: **2ST2L2040R**

Issue Date: 3/18/2022

Test Information

Test Method: LM-79-08
Report Number: P571638
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: 2ST2L2040R
Description: 2 FOOT ST2 STIPLIGHT WITH 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

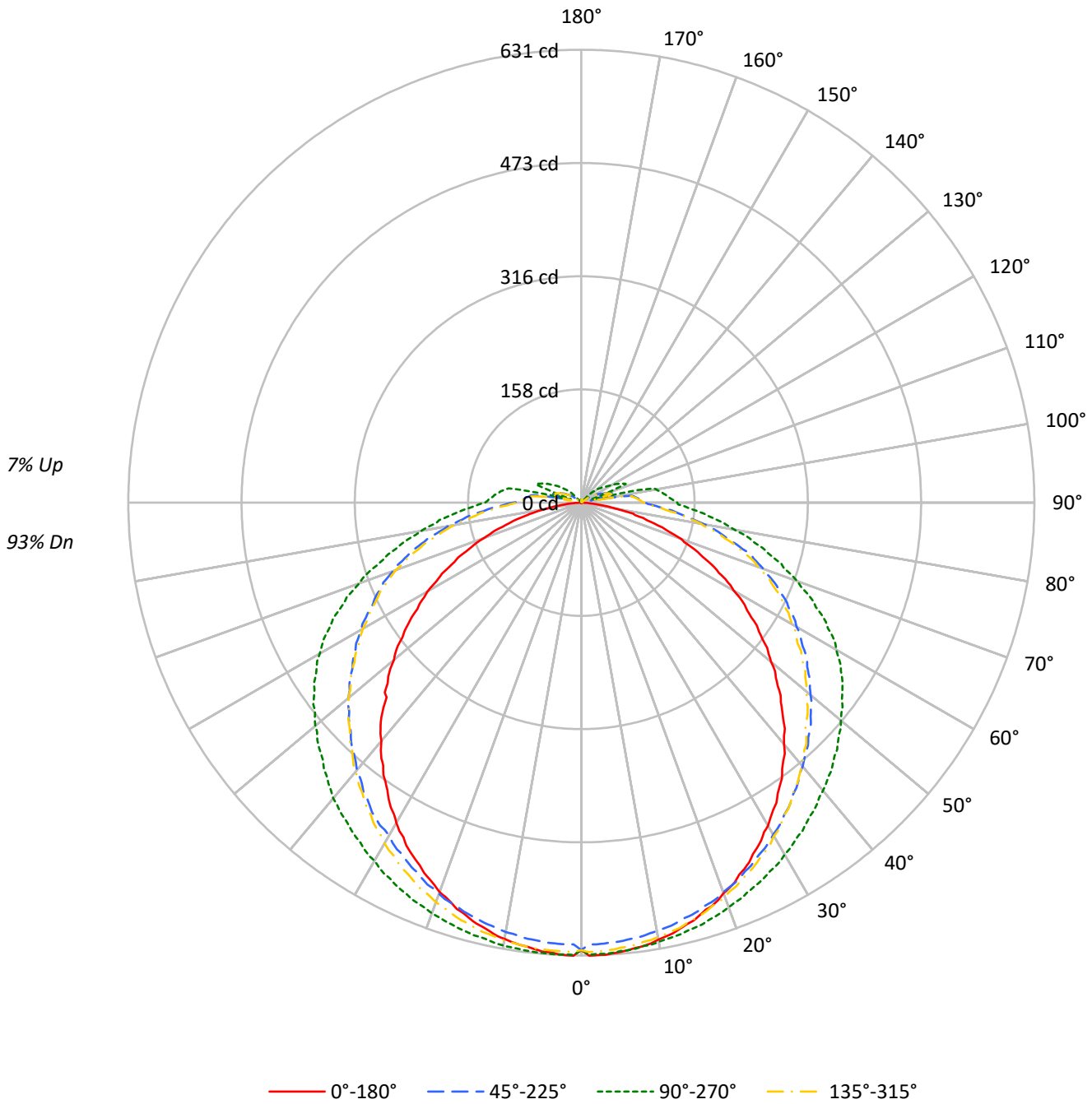
Lumens per Lamp: N/A
Luminaire Lumens: 2285.0 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 2' x H: 0.11')
CIE Type: Direct

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



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CATALOG NUMBER: 2ST2L2040R

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°	11503	11503	11503	11503
5°	11585	11250	11570	11297
10°	11476	10928	11457	11019
15°	11355	10647	11296	10751
20°	11152	10377	11117	10535
25°	10980	10149	10882	10324
30°	10742	9932	10644	10109
35°	10454	9759	10320	9977
40°	10119	9619	9981	9876
45°	9734	9493	9491	9676
50°	9309	9390	9190	9623
55°	8913	9335	8797	9537
60°	8266	9205	8354	9448
65°	7687	8978	7624	9267
70°	6960	8547	6791	8796
75°	5664	8004	5806	8336
80°	4097	7406	4113	7762
85°	2131	6906	2236	7176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	2.6
10°-20°	169.8	7.4
20°-30°	260.2	11.4
30°-40°	320.7	14.0
40°-50°	346.2	15.2
50°-60°	337.3	14.8
60°-70°	295.4	12.9
70°-80°	219.6	9.6
80°-90°	127.4	5.6
90°-100°	73.1	3.2
100°-110°	26.9	1.2
110°-120°	27.7	1.2
120°-130°	14.7	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
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0°-30°	489.1	21.4
0°-40°	809.8	35.4
0°-60°	1493.3	65.4
0°-90°	2135.7	93.5
90°-120°	127.8	5.6
90°-150°	147.2	6.4
90°-180°	149.0	6.5
0°-180°	2285.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	623	623	623	623	623	
5°	628	627	628	630	628	60
15°	603	613	600	619	603	170
25°	553	585	548	595	553	254
35°	482	546	476	558	482	301
45°	393	499	383	508	393	304
55°	298	444	295	454	298	265
65°	196	369	195	381	196	194
75°	96	268	98	279	96	103
85°	16	171	17	178	16	20
90°	1	134	2	134	1	1
95°	0	119	1	122	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: P571638
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4
1°	631.3	601.4	615.4	632.8	629.7	619.1	626.3	625.8	631.3	601.4	615.4
2°	631.0	601.2	615.7	632.5	629.2	618.3	625.5	625.5	631.0	601.2	616.0
3°	630.8	600.9	615.2	632.3	629.5	617.5	625.3	625.0	629.7	600.7	615.4
4°	629.5	600.1	613.9	631.8	628.7	617.3	624.3	624.0	628.1	599.6	615.2
5°	628.4	599.1	613.9	631.0	627.1	616.5	622.7	622.5	627.6	598.6	614.1
6°	626.8	598.3	612.3	629.7	627.1	614.7	621.9	621.7	625.5	598.0	612.8
7°	624.8	596.5	611.3	628.7	625.8	614.1	620.4	619.8	623.2	596.0	612.3
8°	623.8	594.9	610.0	627.6	623.8	612.3	618.0	617.0	621.9	593.7	610.5
9°	621.7	593.1	607.7	625.8	623.5	610.5	617.0	615.2	619.6	592.3	608.4
10°	618.3	590.5	606.1	624.8	621.4	609.5	614.4	613.6	617.3	589.7	607.4
11°	615.7	588.9	604.0	623.2	619.6	607.7	612.6	610.2	614.9	586.9	605.0
12°	613.6	585.6	602.4	620.9	618.3	605.3	610.2	606.4	611.0	583.0	602.7
13°	609.5	581.9	599.6	619.6	617.0	603.5	608.2	604.8	607.1	581.2	600.9
14°	605.6	580.1	596.2	616.8	614.4	601.4	604.5	600.7	604.5	579.3	597.8
15°	603.0	576.2	594.6	613.6	612.8	598.8	601.4	596.2	599.9	575.5	595.4
16°	598.0	573.9	591.6	611.8	611.3	596.2	598.8	593.7	595.2	571.1	593.1
17°	593.1	570.5	587.6	608.7	607.9	594.2	595.2	589.5	592.3	568.2	589.2
18°	590.3	566.1	585.6	605.0	605.8	590.8	591.0	584.0	586.1	564.8	586.6
19°	585.6	562.0	582.5	604.3	603.2	588.4	588.4	580.9	581.2	559.6	584.0
20°	579.1	558.8	577.8	600.4	599.9	585.3	584.0	576.8	577.3	555.2	580.1
21°	575.2	553.7	574.2	597.3	596.7	581.9	579.3	570.0	570.8	552.1	575.7
22°	570.3	548.7	571.3	594.9	594.6	579.3	576.2	566.1	565.3	547.4	573.4
23°	563.0	545.4	566.6	590.5	590.5	575.5	571.1	561.2	560.4	541.2	568.5
24°	558.3	539.1	561.7	586.9	587.4	572.1	566.6	555.0	553.1	537.8	563.3
25°	552.9	533.6	558.6	584.3	584.8	569.0	563.0	551.3	548.0	532.1	560.1
26°	544.8	530.0	553.1	579.1	581.4	564.5	558.1	543.8	542.5	525.4	555.2
27°	539.7	523.3	548.5	574.9	577.3	562.8	552.1	537.6	536.5	521.5	550.0
28°	533.2	517.3	544.8	572.1	574.4	559.1	548.5	532.9	527.9	515.8	546.9
29°	524.9	513.2	540.4	566.6	571.3	555.8	543.3	525.1	523.0	508.5	542.0
30°	519.9	507.2	534.2	562.2	566.1	550.3	536.3	518.6	515.2	503.8	536.0
31°	511.9	499.9	530.0	556.5	563.0	547.4	532.7	513.4	506.4	497.8	531.9
32°	504.6	495.0	525.4	553.1	558.6	542.7	525.9	504.8	501.0	490.3	529.8
33°	498.9	490.3	518.6	549.0	553.9	537.6	519.1	498.4	492.9	487.2	524.9
34°	489.0	480.7	514.5	544.6	551.1	534.4	515.0	492.4	483.0	478.7	520.9
35°	481.7	475.5	508.8	539.9	545.9	529.5	508.5	483.3	475.5	471.9	514.2
36°	475.3	468.8	502.0	535.2	540.7	523.8	500.7	476.0	469.0	467.0	508.2
37°	464.6	459.9	497.6	531.3	537.8	520.7	496.5	468.3	458.6	458.4	504.1
38°	456.9	454.8	491.4	526.4	533.2	516.0	490.6	462.6	452.2	451.4	496.5
39°	450.1	447.2	484.1	520.2	527.2	511.3	483.8	452.7	444.1	446.2	490.8
40°	439.2	437.9	479.7	516.8	523.8	508.0	479.2	444.9	433.2	436.8	486.4
41°	430.1	432.7	473.2	510.8	519.4	501.8	471.1	438.7	426.5	429.3	478.9
42°	423.6	425.2	467.7	504.3	514.2	496.5	464.1	428.3	417.9	423.9	472.6
43°	412.2	419.2	462.8	500.5	510.8	492.7	459.7	420.5	408.6	414.5	468.0
44°	402.6	411.7	455.0	494.8	504.6	485.7	451.1	414.0	396.9	407.3	462.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	393.2	401.8	449.6	487.7	498.9	480.0	441.0	401.8	383.4	397.1	454.2
46°	386.0	396.1	444.4	483.6	495.3	473.2	436.1	395.9	380.8	390.9	447.5
47°	374.0	387.6	436.6	477.9	488.7	469.0	430.9	389.3	369.1	383.4	443.1
48°	364.7	377.9	430.4	470.9	482.8	463.3	424.1	378.7	362.1	377.4	435.0
49°	357.7	372.0	424.9	465.1	478.9	459.2	415.3	370.1	352.7	367.3	430.4
50°	345.2	363.4	416.9	461.0	471.9	451.9	409.9	363.9	340.8	359.2	423.4
51°	335.6	353.3	409.6	454.5	465.9	446.2	403.4	355.1	333.6	351.4	415.3
52°	328.3	345.2	404.6	447.2	461.8	441.3	395.9	344.4	324.5	345.0	409.9
53°	315.9	338.5	396.3	442.5	454.5	436.1	390.6	338.7	312.0	334.9	402.9
54°	305.8	328.3	388.8	436.1	449.1	428.5	381.8	329.6	304.5	328.9	394.0
55°	298.5	321.9	383.9	428.3	444.1	423.6	374.5	319.3	294.6	320.3	388.8
56°	285.8	313.8	376.9	423.9	438.4	417.9	369.4	312.8	284.7	310.2	382.3
57°	275.4	305.2	367.8	417.1	431.1	410.4	358.7	304.5	272.3	297.4	375.1
58°	267.9	294.9	360.8	409.1	426.0	403.9	353.3	293.8	265.3	295.4	369.9
59°	258.0	288.7	355.6	403.9	417.4	399.2	348.1	287.6	255.4	285.3	361.3
60°	245.0	279.8	346.3	397.1	409.9	390.6	339.3	279.3	247.6	277.2	353.8
61°	237.5	273.6	340.6	391.4	404.6	384.2	332.3	268.6	235.4	271.0	348.6
62°	227.4	263.7	333.6	381.5	396.1	378.5	326.6	262.4	225.3	260.9	339.8
63°	214.6	255.2	324.5	373.8	385.7	368.6	317.5	254.6	217.8	252.3	332.5
64°	206.9	248.9	319.0	362.9	379.0	360.8	311.2	244.2	205.1	246.3	323.2
65°	196.5	238.8	311.2	356.4	369.4	354.3	305.5	238.5	194.9	237.7	318.0
66°	184.0	230.5	301.4	347.6	357.7	345.5	295.7	229.7	187.7	227.7	311.0
67°	176.2	224.3	295.4	337.7	350.4	334.3	287.9	221.7	174.7	221.7	301.4
68°	166.1	214.1	286.8	330.4	340.6	327.3	282.1	211.3	164.8	213.6	297.7
69°	153.4	206.3	276.4	318.5	327.8	317.7	271.3	205.1	157.0	203.2	287.9
70°	148.2	200.1	269.9	308.1	320.1	305.5	262.2	197.0	144.6	197.3	279.3
71°	135.5	190.3	260.9	300.6	309.9	298.0	255.9	190.8	134.7	189.5	273.1
72°	125.4	182.5	252.3	287.6	296.7	287.6	246.6	180.9	127.2	179.6	262.2
73°	117.8	176.8	247.6	277.0	291.2	274.1	235.4	173.1	114.7	173.9	253.3
74°	105.4	168.7	233.4	269.2	278.3	266.3	228.2	167.4	105.1	166.1	246.6
75°	95.5	159.4	223.5	255.9	267.9	256.2	218.3	158.3	97.9	156.8	235.4
76°	88.5	151.6	210.5	245.8	260.3	243.2	206.1	150.6	88.8	149.0	225.6
77°	76.5	145.3	203.0	238.0	247.4	235.7	198.5	144.6	76.8	143.3	218.3
78°	74.2	134.7	195.2	224.5	239.8	225.3	188.7	134.7	70.1	135.8	206.1
79°	61.0	126.2	185.6	214.4	228.9	215.4	176.2	126.2	61.5	129.5	196.0
80°	50.4	119.4	173.7	207.1	216.5	207.9	169.2	117.6	50.6	119.1	188.7
81°	42.3	108.0	163.0	197.0	206.6	195.7	159.1	111.1	44.7	111.1	176.5
82°	36.4	99.1	150.3	184.5	199.6	186.1	146.6	99.9	37.1	104.6	167.2
83°	29.1	92.4	143.0	177.3	187.4	179.4	141.7	93.2	28.0	93.7	159.7
84°	20.8	81.3	133.7	170.3	177.8	167.9	129.8	84.3	23.1	85.1	150.0
85°	16.3	75.0	126.9	160.4	171.1	158.1	118.4	74.0	17.1	78.4	137.5
86°	10.1	66.7	115.5	149.0	159.7	151.3	112.1	65.4	10.9	68.0	130.3
87°	6.2	56.8	106.7	139.9	150.6	139.6	103.0	58.9	8.5	60.2	121.0
88°	4.2	51.4	100.2	129.3	144.1	131.6	94.7	49.6	4.4	54.2	110.1
89°	1.8	44.7	92.6	124.1	134.7	125.4	90.1	43.1	2.3	45.4	103.8



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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	42.1	89.0	121.5	133.7	118.6	86.7	40.5	1.5	40.0	95.3
91°	0.8	40.2	87.0	119.4	129.8	116.8	84.3	38.9	1.3	38.4	86.4
92°	1.0	37.7	85.1	116.3	126.9	114.4	82.6	37.1	0.8	35.6	84.1
93°	1.0	35.8	81.5	113.7	123.5	112.9	79.9	35.8	1.0	34.3	81.5
94°	0.8	34.5	79.7	110.8	121.5	109.8	77.6	33.5	1.0	32.7	79.7
95°	0.5	23.6	77.6	109.0	118.9	108.0	76.3	22.1	0.8	26.7	78.4
96°	0.8	14.0	75.0	106.4	115.8	105.7	73.5	16.6	0.8	16.3	75.3
97°	0.8	12.5	73.7	103.3	113.7	102.8	71.1	13.8	0.8	14.6	72.7
98°	0.8	13.2	69.5	101.5	111.4	101.0	67.2	15.8	0.8	14.8	71.4
99°	0.5	18.9	48.5	98.4	108.0	98.7	46.7	18.9	0.8	18.4	65.9
100°	0.5	18.7	30.9	95.5	105.9	95.3	22.3	18.2	0.5	17.9	51.4
101°	0.5	17.6	15.3	86.4	103.3	92.1	17.9	17.1	0.5	16.9	37.4
102°	0.5	16.6	14.6	59.5	89.0	76.3	16.1	16.1	0.8	16.1	20.5
103°	0.5	15.3	13.2	33.5	72.7	48.3	15.1	15.1	0.8	15.3	18.7
104°	0.5	14.6	14.0	15.3	41.8	23.3	16.1	14.0	0.8	14.6	17.9
105°	0.5	13.2	25.4	12.7	17.9	15.8	29.6	13.5	0.5	13.2	21.0
106°	0.5	12.7	37.1	12.2	15.8	15.3	43.4	12.5	0.5	12.5	31.7
107°	0.2	11.7	45.2	11.7	15.1	14.3	42.6	11.4	0.5	11.2	40.7
108°	0.5	10.4	43.1	14.3	14.8	13.5	41.3	10.9	0.5	10.4	42.1
109°	0.2	9.6	41.8	24.1	14.6	18.7	39.4	9.9	0.5	9.3	40.2
110°	0.5	8.8	39.2	41.0	24.1	36.9	37.9	8.5	0.5	8.0	38.9
111°	0.5	7.0	36.6	60.8	40.2	49.8	34.8	7.8	0.5	5.2	36.6
112°	0.5	4.9	34.8	60.2	53.7	59.5	32.4	4.7	0.2	3.4	35.3
113°	0.5	2.3	32.2	57.9	67.2	58.1	30.9	2.1	0.5	2.1	34.0
114°	0.5	1.5	30.4	55.8	64.9	55.3	28.8	1.8	0.5	1.8	32.7
115°	0.2	1.5	29.1	54.0	63.3	53.0	27.3	1.5	0.8	1.5	30.6
116°	0.2	1.3	27.8	50.9	60.8	49.8	26.7	1.3	0.5	1.3	29.3
117°	0.2	0.8	26.0	48.0	57.4	47.7	25.4	1.0	0.5	0.8	28.0
118°	0.5	0.8	25.2	45.7	55.5	45.2	24.1	0.8	0.5	0.8	25.7
119°	0.2	0.8	23.6	42.6	52.2	43.1	22.9	0.8	0.5	0.8	24.9
120°	0.2	0.8	21.6	40.7	48.8	40.7	21.8	0.8	0.5	0.8	22.9
121°	0.5	0.8	20.3	38.1	46.4	37.9	20.0	0.8	0.5	0.8	21.3
122°	0.5	0.5	19.2	36.9	43.9	36.4	18.7	0.8	0.5	0.8	20.0
123°	0.2	0.5	17.1	35.0	41.3	35.0	17.4	0.2	0.5	0.8	18.2
124°	0.2	0.5	15.8	33.0	40.0	33.0	15.3	0.8	0.8	0.8	16.3
125°	0.2	0.5	14.8	31.7	38.1	31.4	14.0	0.5	0.5	0.5	15.6
126°	0.5	0.2	10.9	29.9	35.6	30.1	10.6	0.8	0.5	0.5	11.9
127°	0.5	0.8	6.5	28.0	34.5	28.3	5.2	0.5	0.5	0.5	7.8
128°	0.2	0.5	3.6	26.7	32.2	26.5	3.6	0.5	0.5	0.5	4.9
129°	0.5	0.5	2.1	24.4	31.1	25.4	2.3	0.5	0.5	0.8	2.6
130°	0.5	0.5	1.8	22.3	28.8	23.3	1.8	0.5	0.5	0.8	2.6
131°	0.5	0.8	1.8	21.0	26.7	21.3	1.8	0.8	0.8	0.5	2.1
132°	0.5	0.5	1.3	18.7	23.9	20.0	1.5	0.8	0.8	0.8	1.5
133°	0.5	0.5	1.0	16.9	23.3	18.2	1.3	1.0	0.8	0.8	1.3
134°	0.5	0.8	0.8	12.5	20.8	13.2	1.0	0.5	0.5	0.8	1.3



TEST NUMBER: P571638
 CATALOG NUMBER: 2ST2L2040R

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	18.2	9.6	0.8	0.8	0.8	0.8	1.0
136°	0.8	0.5	1.0	3.4	14.6	4.7	0.8	0.8	0.5	0.8	1.0
137°	0.5	0.5	0.8	2.3	7.3	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: P571638
 CATALOG NUMBER: 2ST2L2040R

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	623.4	623.4	623.4	623.4	623.4	623.4
1°	633.1	630.2	619.1	626.1	626.3	631.3
2°	633.6	629.7	619.1	626.1	626.3	631.0
3°	633.1	630.5	619.3	625.5	626.1	630.8
4°	633.1	630.2	618.8	625.5	625.8	629.5
5°	632.8	629.7	618.3	624.5	624.5	628.4
6°	631.8	629.5	618.3	624.5	623.2	626.8
7°	630.8	628.9	617.3	623.2	622.2	624.8
8°	629.5	627.9	616.5	621.7	620.1	623.8
9°	628.9	627.1	615.2	620.6	617.7	621.7
10°	627.1	626.6	614.7	619.3	616.8	618.3
11°	625.3	625.3	613.1	617.0	614.1	615.7
12°	624.3	623.2	611.0	614.9	610.7	613.6
13°	622.5	621.4	610.2	613.6	608.4	609.5
14°	620.1	620.9	607.9	610.7	605.8	605.6
15°	618.5	618.8	605.6	607.4	602.0	603.0
16°	616.5	617.3	604.3	605.6	598.8	598.0
17°	614.4	614.9	602.2	602.2	595.4	593.1
18°	612.1	613.1	599.1	598.3	591.3	590.3
19°	609.0	610.7	598.3	595.2	588.4	585.6
20°	605.8	609.0	594.9	592.3	583.0	579.1
21°	602.4	605.3	592.1	587.6	578.1	575.2
22°	600.7	603.2	590.3	584.3	574.4	570.3
23°	596.5	601.2	586.1	581.2	568.2	563.0
24°	592.1	597.5	582.5	576.0	563.3	558.3
25°	589.5	594.9	580.6	571.1	558.8	552.9
26°	585.9	591.8	576.2	567.7	551.3	544.8
27°	580.9	587.6	572.1	562.8	546.1	539.7
28°	578.3	585.3	569.2	557.0	541.4	533.2
29°	574.7	581.2	565.1	553.4	533.6	524.9
30°	570.0	576.2	560.7	548.0	527.4	519.9
31°	567.4	574.2	555.8	541.4	522.3	511.9
32°	562.0	569.8	552.4	537.0	515.2	504.6
33°	557.3	564.8	548.7	531.9	510.6	498.9
34°	553.9	562.0	543.8	524.3	501.2	489.0
35°	548.0	558.1	541.0	519.9	493.7	481.7
36°	543.0	552.9	535.0	514.2	484.4	475.3
37°	539.4	549.5	530.0	506.7	478.7	464.6
38°	533.4	545.9	527.2	501.8	470.6	456.9
39°	528.5	541.0	523.8	495.5	460.5	450.1
40°	524.3	537.8	516.3	488.5	454.5	439.2
41°	518.1	531.6	512.6	483.8	446.5	430.1
42°	513.2	526.4	506.2	475.8	436.3	423.6
43°	509.0	520.2	501.8	468.8	429.8	412.2
44°	501.8	516.3	496.8	464.1	422.1	402.6



TEST NUMBER: P571638
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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	496.5	508.5	490.1	455.6	411.9	393.2
46°	492.4	504.1	484.9	449.1	405.2	386.0
47°	486.2	499.9	480.4	443.8	396.9	374.0
48°	478.9	494.8	474.7	435.3	387.6	364.7
49°	474.7	487.7	467.2	428.8	376.9	357.7
50°	467.7	483.6	463.1	423.4	370.7	345.2
51°	461.0	477.9	456.9	414.3	361.8	335.6
52°	456.6	470.6	449.3	407.3	350.9	328.3
53°	449.6	467.5	445.2	401.8	343.9	315.9
54°	442.0	460.2	438.7	394.3	335.6	305.8
55°	437.1	453.7	430.9	385.5	324.7	298.5
56°	431.1	449.1	426.5	380.0	318.0	285.8
57°	422.8	441.0	420.2	372.8	309.4	275.4
58°	417.7	434.8	412.2	363.7	298.7	267.9
59°	411.7	429.3	409.1	358.2	292.0	258.0
60°	404.4	420.7	401.0	351.2	283.4	245.0
61°	399.7	413.5	393.8	342.1	277.2	237.5
62°	389.6	407.0	388.8	334.9	266.8	227.4
63°	381.5	396.9	379.5	329.6	257.5	214.6
64°	371.5	388.1	371.5	320.3	249.5	206.9
65°	364.7	381.3	365.2	313.0	243.0	196.5
66°	355.9	370.1	354.8	307.3	232.6	184.0
67°	344.4	359.5	345.7	299.5	224.5	176.2
68°	337.2	352.7	339.0	289.4	218.0	166.1
69°	327.8	340.3	326.8	283.2	207.6	153.4
70°	315.1	329.4	316.9	274.9	199.6	148.2
71°	307.1	321.3	309.4	263.7	193.1	135.5
72°	297.0	310.5	299.5	257.0	183.2	125.4
73°	286.3	297.2	286.0	248.1	174.7	117.8
74°	278.5	286.8	278.0	236.2	169.0	105.4
75°	265.3	279.0	267.6	228.9	159.1	95.5
76°	255.2	265.8	254.4	219.3	151.1	88.5
77°	247.4	257.8	246.6	206.6	145.3	76.5
78°	234.1	247.4	236.2	199.1	137.5	74.2
79°	223.5	234.9	223.5	189.0	127.5	61.0
80°	215.7	226.9	216.0	178.8	120.7	50.4
81°	203.0	216.7	205.8	171.3	112.4	42.3
82°	192.8	204.3	193.1	158.6	101.2	36.4
83°	185.6	199.3	185.8	148.7	94.0	29.1
84°	173.4	187.2	176.5	141.5	85.4	20.8
85°	164.0	177.8	167.4	129.0	78.6	16.3
86°	157.0	168.4	156.0	122.0	68.0	10.1
87°	147.9	159.4	149.5	113.2	59.7	6.2
88°	136.8	150.0	140.7	103.0	50.4	4.2
89°	130.3	143.3	133.9	97.1	45.4	1.8



TEST NUMBER: P571638
 CATALOG NUMBER: 2ST2L2040R

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	122.0	134.2	123.0	89.0	40.2	1.0
91°	117.3	131.1	118.4	84.9	38.7	0.8
92°	115.5	129.3	115.2	82.6	36.1	1.0
93°	111.6	125.6	113.5	81.0	34.5	1.0
94°	109.5	123.3	110.6	78.1	30.6	0.8
95°	108.0	121.5	107.4	75.8	22.3	0.5
96°	105.9	118.4	105.7	74.2	13.5	0.8
97°	103.6	115.5	103.3	72.2	12.2	0.8
98°	101.7	113.5	99.9	63.8	14.8	0.8
99°	98.7	110.1	98.4	51.1	17.9	0.5
100°	94.0	107.2	95.5	29.3	16.9	0.5
101°	84.3	103.3	84.3	16.3	16.6	0.5
102°	52.7	87.0	69.3	15.3	15.8	0.5
103°	34.5	57.1	38.9	14.3	14.8	0.5
104°	20.8	37.7	16.6	21.0	14.0	0.5
105°	17.1	17.9	14.6	30.6	13.0	0.5
106°	17.1	16.3	13.5	43.9	13.0	0.5
107°	16.3	15.8	12.7	43.1	11.4	0.2
108°	15.8	15.3	14.6	42.6	9.9	0.5
109°	20.8	20.5	29.6	39.4	9.1	0.2
110°	34.0	31.4	46.4	37.7	7.8	0.5
111°	50.1	48.8	57.9	36.6	4.4	0.5
112°	59.7	68.0	58.4	34.8	2.8	0.5
113°	57.9	68.0	56.1	33.0	2.1	0.5
114°	56.1	65.4	54.2	31.7	1.3	0.5
115°	53.7	62.3	52.5	29.6	1.3	0.2
116°	52.2	60.8	49.8	28.0	1.0	0.2
117°	49.6	57.9	48.3	26.7	1.0	0.2
118°	47.7	55.8	46.4	24.4	0.8	0.5
119°	45.9	54.2	44.1	23.1	0.8	0.2
120°	43.9	51.4	42.3	22.1	0.8	0.2
121°	41.8	48.8	40.5	20.0	0.8	0.5
122°	40.0	46.7	37.9	18.4	0.8	0.5
123°	37.9	44.1	36.4	17.1	0.5	0.2
124°	35.3	41.8	34.3	15.6	0.5	0.2
125°	34.0	40.2	32.7	11.9	0.8	0.2
126°	31.4	37.7	31.1	9.1	0.5	0.5
127°	29.3	35.0	28.6	4.7	0.5	0.5
128°	27.8	33.7	26.5	2.6	0.5	0.2
129°	26.0	30.4	24.9	2.1	0.5	0.5
130°	23.6	28.6	22.6	1.8	0.5	0.5
131°	22.1	27.0	20.5	1.5	0.2	0.5
132°	20.0	24.6	18.9	1.3	0.8	0.5
133°	16.3	22.1	14.0	1.3	0.8	0.5
134°	13.2	20.5	9.1	1.0	0.5	0.5



TEST NUMBER: P571638
 CATALOG NUMBER: 2ST2L2040R

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	7.8	16.3	6.0	0.8	0.5	0.5
136°	3.9	9.6	2.8	0.8	0.8	0.8
137°	2.8	6.0	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: P571638
CATALOG NUMBER: 2ST2L2040R

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)