

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: P579285

Luminaire Tested: **2ST2L2040**

Issue Date: 11/3/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P579285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( WH21035177P)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2ST2L2040  
Description: 2FT ST Dual Lens striplight 0-10V dimming UNV 2300L 4000K  
Light Source: -  
Ballast/Driver:

Luminaire Equipment: Sample No.   Condition   Description

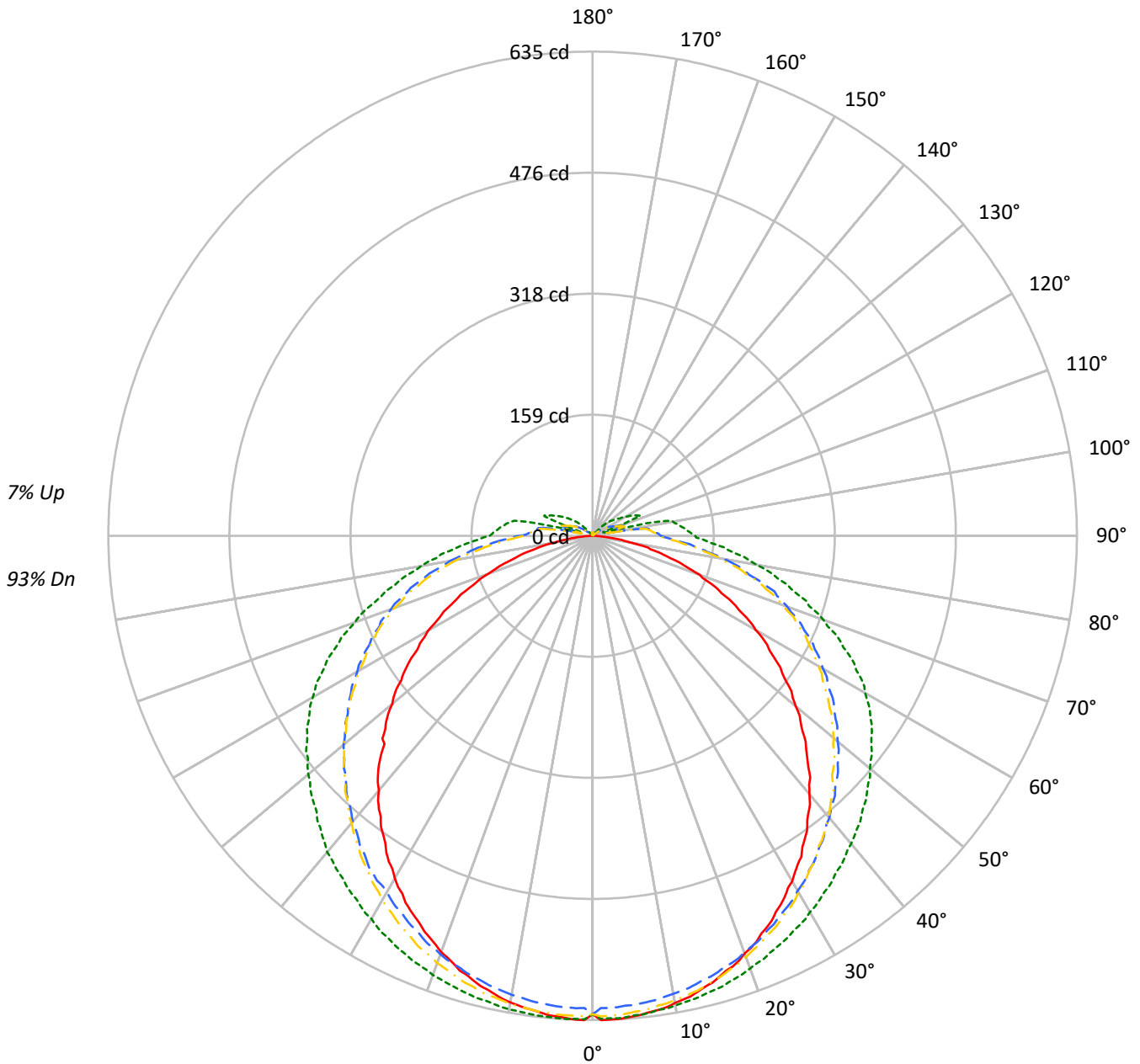
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2300.0 lumens  
Efficiency: N/A  
Efficacy: 115.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.17m x L: 2m x H: 0.08m)  
CIE Type: Direct

Input Watts (W): 20  
Input Voltage (V):  
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: P579285  
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	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	102	102	102	96	96	96	96	96	96	93
1	105	99	94	90	102	96	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	85	78	71	91	83	76	70	78	72	67	74	69	65	70	66	62	62	62	62	60
3	86	74	65	58	83	72	64	57	68	61	55	64	58	53	61	56	52	52	52	52	49
4	78	65	56	49	75	63	55	48	60	52	46	57	50	45	54	48	44	44	44	44	41
5	72	58	48	41	69	56	48	41	53	46	40	51	44	39	48	42	38	38	38	38	35
6	66	52	43	36	64	51	42	35	48	40	35	46	39	34	44	38	33	33	33	33	31
7	61	47	38	31	59	46	37	31	44	36	30	42	35	30	40	34	29	29	29	29	27
8	57	43	34	28	55	42	33	28	40	32	27	38	31	26	36	30	26	26	26	26	24
9	53	39	31	25	51	38	30	25	37	29	24	35	28	24	34	28	23	23	23	23	21
10	50	36	28	22	48	35	28	22	34	27	22	32	26	21	31	25	21	21	21	21	19

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

	0°	90°	180°	270°
0°	1882	1882	1882	1882
5°	1898	1821	1896	1829
10°	1882	1752	1879	1766
15°	1864	1690	1855	1707
20°	1833	1632	1828	1656
25°	1807	1581	1791	1609
30°	1770	1533	1754	1561
35°	1726	1492	1703	1525
40°	1673	1456	1650	1495
45°	1612	1422	1572	1450
50°	1545	1391	1525	1425
55°	1484	1366	1464	1396
60°	1380	1329	1395	1364
65°	1289	1276	1279	1317
70°	1175	1193	1146	1228
75°	965	1093	989	1139
80°	709	984	712	1032
85°	385	886	402	921



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.4	2.6
10°-20°	170.9	7.4
20°-30°	261.9	11.4
30°-40°	322.8	14.0
40°-50°	348.5	15.2
50°-60°	339.5	14.8
60°-70°	297.3	12.9
70°-80°	221.0	9.6
80°-90°	128.2	5.6
90°-100°	73.6	3.2
100°-110°	27.1	1.2
110°-120°	27.9	1.2
120°-130°	14.8	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°	492.3	21.4
0°-40°	815.1	35.4
0°-60°	1503.1	65.4
0°-90°	2149.7	93.5
90°-120°	128.6	5.6
90°-150°	148.2	6.4
90°-180°	150.0	6.5
0°-180°	2300.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	628	628	628	628	628	
5°	632	631	632	634	632	60
15°	607	617	604	623	607	171
25°	556	589	552	599	556	256
35°	485	550	479	562	485	303
45°	396	502	386	512	396	306
55°	300	447	296	457	300	267
65°	198	372	196	384	198	195
75°	96	270	98	281	96	104
85°	16	172	17	179	16	20
90°	1	135	2	135	1	1
95°	0	120	1	122	0	1
105°	0	18	0	18	0	0
115°	0	64	1	63	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: P579285  
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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5
1°	635.4	605.4	619.5	637.0	633.8	623.1	630.4	629.9	635.4	605.4	619.5
2°	635.1	605.1	619.7	636.7	633.3	622.3	629.7	629.7	635.1	605.1	620.0
3°	634.9	604.8	619.2	636.5	633.6	621.6	629.4	629.1	633.8	604.6	619.5
4°	633.6	604.1	617.9	635.9	632.8	621.3	628.4	628.1	632.3	603.5	619.2
5°	632.5	603.0	617.9	635.1	631.2	620.5	626.8	626.5	631.8	602.5	618.2
6°	631.0	602.2	616.3	633.8	631.2	618.7	626.0	625.7	629.7	602.0	616.9
7°	628.9	600.4	615.3	632.8	629.9	618.2	624.4	623.9	627.3	599.9	616.3
8°	627.8	598.8	614.0	631.8	627.8	616.3	622.1	621.0	626.0	597.5	614.5
9°	625.7	597.0	611.6	629.9	627.6	614.5	621.0	619.2	623.7	596.2	612.4
10°	622.3	594.4	610.1	628.9	625.5	613.5	618.4	617.6	621.3	593.6	611.4
11°	619.7	592.8	608.0	627.3	623.7	611.6	616.6	614.2	618.9	590.7	609.0
12°	617.6	589.4	606.4	625.0	622.3	609.3	614.2	610.3	615.0	586.8	606.7
13°	613.5	585.8	603.5	623.7	621.0	607.5	612.2	608.8	611.1	585.0	604.8
14°	609.5	583.9	600.1	620.8	618.4	605.4	608.5	604.6	608.5	583.2	601.7
15°	606.9	580.0	598.6	617.6	616.9	602.8	605.4	600.1	603.8	579.2	599.4
16°	602.0	577.7	595.4	615.8	615.3	600.1	602.8	597.5	599.1	574.8	597.0
17°	597.0	574.3	591.5	612.7	611.9	598.0	599.1	593.3	596.2	571.9	593.1
18°	594.1	569.8	589.4	609.0	609.8	594.7	594.9	587.9	589.9	568.5	590.5
19°	589.4	565.7	586.3	608.2	607.2	592.3	592.3	584.7	585.0	563.3	587.9
20°	582.9	562.5	581.6	604.3	603.8	589.2	587.9	580.5	581.1	558.9	583.9
21°	579.0	557.3	577.9	601.2	600.7	585.8	583.2	573.7	574.5	555.7	579.5
22°	574.0	552.3	575.1	598.8	598.6	583.2	580.0	569.8	569.0	551.0	577.1
23°	566.7	548.9	570.4	594.4	594.4	579.2	574.8	564.9	564.1	544.7	572.2
24°	562.0	542.7	565.4	590.7	591.3	575.8	570.4	558.6	556.8	541.4	567.0
25°	556.5	537.2	562.3	588.1	588.6	572.7	566.7	554.9	551.5	535.6	563.8
26°	548.4	533.5	556.8	582.9	585.2	568.3	561.7	547.4	546.1	528.8	558.9
27°	543.2	526.7	552.1	578.7	581.1	566.4	555.7	541.1	540.0	524.9	553.6
28°	536.6	520.7	548.4	575.8	578.2	562.8	552.1	536.4	531.4	519.1	550.5
29°	528.3	516.5	544.0	570.4	575.1	559.4	546.8	528.6	526.5	511.8	545.5
30°	523.3	510.5	537.7	565.9	569.8	553.9	539.8	522.0	518.6	507.1	539.5
31°	515.2	503.2	533.5	560.2	566.7	551.0	536.1	516.8	509.7	501.1	535.3
32°	507.9	498.2	528.8	556.8	562.3	546.3	529.3	508.2	504.3	493.5	533.3
33°	502.2	493.5	522.0	552.6	557.6	541.1	522.5	501.6	496.2	490.4	528.3
34°	492.2	483.9	517.8	548.1	554.7	538.0	518.4	495.6	486.2	481.8	524.4
35°	484.9	478.6	512.1	543.4	549.5	533.0	511.8	486.5	478.6	475.0	517.6
36°	478.4	471.9	505.3	538.7	544.2	527.2	504.0	479.2	472.1	470.0	511.6
37°	467.7	463.0	500.9	534.8	541.4	524.1	499.8	471.3	461.7	461.4	507.4
38°	459.8	457.7	494.6	529.9	536.6	519.4	493.8	465.6	455.1	454.3	499.8
39°	453.0	450.2	487.3	523.6	530.6	514.7	487.0	455.7	447.0	449.1	494.1
40°	442.1	440.8	482.8	520.2	527.2	511.3	482.3	447.8	436.1	439.7	489.6
41°	432.9	435.5	476.3	514.2	522.8	505.0	474.2	441.5	429.3	432.1	482.0
42°	426.4	428.0	470.8	507.6	517.6	499.8	467.2	431.1	420.6	426.7	475.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	395.8	404.4	452.5	490.9	502.2	483.1	443.9	404.4	385.9	399.7	457.2
46°	388.5	398.7	447.3	486.7	498.5	476.3	438.9	398.4	383.3	393.5	450.4
47°	376.5	390.1	439.5	481.0	492.0	472.1	433.7	391.9	371.5	385.9	446.0
48°	367.1	380.4	433.2	473.9	486.0	466.4	426.9	381.2	364.5	379.9	437.9
49°	360.0	374.4	427.7	468.2	482.0	462.2	418.0	372.6	355.1	369.7	433.2
50°	347.5	365.8	419.6	464.0	475.0	454.9	412.5	366.3	343.0	361.6	426.1
51°	337.8	355.6	412.3	457.5	469.0	449.1	406.0	357.4	335.7	353.8	418.0
52°	330.5	347.5	407.3	450.2	464.8	444.2	398.4	346.7	326.6	347.2	412.5
53°	318.0	340.7	399.0	445.5	457.5	438.9	393.2	341.0	314.0	337.0	405.5
54°	307.8	330.5	391.4	438.9	452.0	431.4	384.3	331.8	306.5	331.0	396.6
55°	300.5	324.0	386.4	431.1	447.0	426.4	377.0	321.4	296.5	322.4	391.4
56°	287.7	315.9	379.4	426.7	441.3	420.6	371.8	314.8	286.6	312.2	384.9
57°	277.2	307.3	370.2	419.9	434.0	413.1	361.1	306.5	274.1	299.4	377.5
58°	269.6	296.8	363.2	411.8	428.7	406.5	355.6	295.8	267.0	297.3	372.3
59°	259.7	290.5	357.9	406.5	420.1	401.8	350.4	289.5	257.1	287.1	363.7
60°	246.6	281.6	348.5	399.7	412.5	393.2	341.5	281.1	249.3	279.0	356.1
61°	239.1	275.4	342.8	394.0	407.3	386.7	334.4	270.4	237.0	272.8	350.9
62°	228.9	265.5	335.7	384.1	398.7	380.9	328.7	264.1	226.8	262.6	342.0
63°	216.1	256.8	326.6	376.2	388.2	371.0	319.5	256.3	219.2	254.0	334.7
64°	208.2	250.6	321.1	365.3	381.5	363.2	313.3	245.9	206.4	247.9	325.3
65°	197.8	240.4	313.3	358.7	371.8	356.6	307.5	240.1	196.2	239.3	320.1
66°	185.2	232.0	303.3	349.8	360.0	347.8	297.6	231.2	188.9	229.1	313.0
67°	177.4	225.7	297.3	339.9	352.7	336.5	289.7	223.1	175.8	223.1	303.3
68°	167.2	215.5	288.7	332.6	342.8	329.5	284.0	212.7	165.9	215.0	299.7
69°	154.4	207.7	278.3	320.6	330.0	319.8	273.0	206.4	158.1	204.6	289.7
70°	149.2	201.4	271.7	310.1	322.1	307.5	263.9	198.3	145.5	198.6	281.1
71°	136.4	191.5	262.6	302.6	312.0	299.9	257.6	192.0	135.6	190.7	274.9
72°	126.2	183.7	254.0	289.5	298.6	289.5	248.2	182.1	128.0	180.8	263.9
73°	118.6	177.9	249.3	278.8	293.1	275.9	237.0	174.3	115.5	175.1	255.0
74°	106.1	169.8	234.9	270.9	280.1	268.1	229.7	168.5	105.8	167.2	248.2
75°	96.1	160.4	225.0	257.6	269.6	257.9	219.7	159.4	98.5	157.8	237.0
76°	89.1	152.6	211.9	247.4	262.1	244.8	207.4	151.5	89.4	150.0	227.0
77°	77.1	146.3	204.3	239.6	249.0	237.2	199.9	145.5	77.3	144.2	219.7
78°	74.7	135.6	196.5	226.0	241.4	226.8	189.9	135.6	70.5	136.6	207.4
79°	61.4	127.0	186.8	215.8	230.4	216.9	177.4	127.0	61.9	130.4	197.3
80°	50.7	120.2	174.8	208.5	217.9	209.3	170.3	118.4	50.9	119.9	189.9
81°	42.6	108.7	164.1	198.3	208.0	197.0	160.2	111.8	44.9	111.8	177.7
82°	36.6	99.8	151.3	185.8	200.9	187.3	147.6	100.6	37.4	105.3	168.3
83°	29.3	93.0	144.0	178.4	188.6	180.5	142.7	93.8	28.2	94.3	160.7
84°	20.9	81.8	134.6	171.4	179.0	169.0	130.6	84.9	23.3	85.7	151.0
85°	16.5	75.5	127.8	161.5	172.2	159.1	119.1	74.5	17.2	78.9	138.5
86°	10.2	67.1	116.3	150.0	160.7	152.3	112.9	65.8	11.0	68.5	131.2
87°	6.3	57.2	107.4	140.8	151.5	140.6	103.7	59.3	8.6	60.6	121.8



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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	42.3	89.6	122.3	134.6	119.4	87.3	40.8	1.6	40.2	95.9
91°	0.8	40.5	87.5	120.2	130.6	117.6	84.9	39.2	1.3	38.7	87.0
92°	1.0	37.9	85.7	117.0	127.8	115.2	83.1	37.4	0.8	35.8	84.7
93°	1.0	36.1	82.0	114.4	124.4	113.7	80.5	36.1	1.0	34.5	82.0
94°	0.8	34.7	80.2	111.6	122.3	110.5	78.1	33.7	1.0	32.9	80.2
95°	0.5	23.8	78.1	109.7	119.7	108.7	76.8	22.2	0.8	26.9	78.9
96°	0.8	14.1	75.5	107.1	116.5	106.3	73.9	16.7	0.8	16.5	75.8
97°	0.8	12.5	74.2	104.0	114.4	103.5	71.6	13.8	0.8	14.6	73.2
98°	0.8	13.3	70.0	102.2	112.1	101.6	67.7	15.9	0.8	14.9	71.8
99°	0.5	19.1	48.9	99.0	108.7	99.3	47.0	19.1	0.8	18.6	66.4
100°	0.5	18.8	31.1	96.1	106.6	95.9	22.5	18.3	0.5	18.0	51.7
101°	0.5	17.8	15.4	87.0	104.0	92.8	18.0	17.2	0.5	17.0	37.6
102°	0.5	16.7	14.6	59.8	89.6	76.8	16.2	16.2	0.8	16.2	20.6
103°	0.5	15.4	13.3	33.7	73.2	48.6	15.2	15.2	0.8	15.4	18.8
104°	0.5	14.6	14.1	15.4	42.1	23.5	16.2	14.1	0.8	14.6	18.0
105°	0.5	13.3	25.6	12.8	18.0	15.9	29.8	13.6	0.5	13.3	21.2
106°	0.5	12.8	37.4	12.3	15.9	15.4	43.6	12.5	0.5	12.5	31.9
107°	0.3	11.8	45.5	11.8	15.2	14.4	42.8	11.5	0.5	11.2	41.0
108°	0.5	10.5	43.4	14.4	14.9	13.6	41.5	11.0	0.5	10.5	42.3
109°	0.3	9.7	42.1	24.3	14.6	18.8	39.7	9.9	0.5	9.4	40.5
110°	0.5	8.9	39.5	41.3	24.3	37.1	38.1	8.6	0.5	8.1	39.2
111°	0.5	7.1	36.8	61.1	40.5	50.2	35.0	7.8	0.5	5.2	36.8
112°	0.5	5.0	35.0	60.6	54.1	59.8	32.7	4.7	0.3	3.4	35.5
113°	0.5	2.4	32.4	58.3	67.7	58.5	31.1	2.1	0.5	2.1	34.2
114°	0.5	1.6	30.6	56.2	65.3	55.7	29.0	1.8	0.5	1.8	32.9
115°	0.3	1.6	29.3	54.3	63.7	53.3	27.4	1.6	0.8	1.6	30.8
116°	0.3	1.3	28.0	51.2	61.1	50.2	26.9	1.3	0.5	1.3	29.5
117°	0.3	0.8	26.1	48.3	57.7	48.1	25.6	1.0	0.5	0.8	28.2
118°	0.5	0.8	25.3	46.0	55.9	45.5	24.3	0.8	0.5	0.8	25.9
119°	0.3	0.8	23.8	42.8	52.5	43.4	23.0	0.8	0.5	0.8	25.1
120°	0.3	0.8	21.7	41.0	49.1	41.0	21.9	0.8	0.5	0.8	23.0
121°	0.5	0.8	20.4	38.4	46.8	38.1	20.1	0.8	0.5	0.8	21.4
122°	0.5	0.5	19.3	37.1	44.2	36.6	18.8	0.8	0.5	0.8	20.1
123°	0.3	0.5	17.2	35.3	41.5	35.3	17.5	0.3	0.5	0.8	18.3
124°	0.3	0.5	15.9	33.2	40.2	33.2	15.4	0.8	0.8	0.8	16.5
125°	0.3	0.5	14.9	31.9	38.4	31.6	14.1	0.5	0.5	0.5	15.7
126°	0.5	0.3	11.0	30.0	35.8	30.3	10.7	0.8	0.5	0.5	12.0
127°	0.5	0.8	6.5	28.2	34.7	28.5	5.2	0.5	0.5	0.5	7.8
128°	0.3	0.5	3.7	26.9	32.4	26.6	3.7	0.5	0.5	0.5	5.0
129°	0.5	0.5	2.1	24.6	31.4	25.6	2.4	0.5	0.5	0.8	2.6
130°	0.5	0.5	1.8	22.5	29.0	23.5	1.8	0.5	0.5	0.8	2.6
131°	0.5	0.8	1.8	21.2	26.9	21.4	1.8	0.8	0.8	0.5	2.1
132°	0.5	0.5	1.3	18.8	24.0	20.1	1.6	0.8	0.8	0.8	1.6





TEST NUMBER: P579285  
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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	9.7	18.3	9.7	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	2.4	7.3	2.9	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	2.9	2.1	1.0	0.8	0.8	1.0	0.8
140°	0.8	0.8	1.0	1.6	2.4	1.8	1.3	1.0	1.0	0.8	1.0
141°	0.8	1.0	1.0	1.3	2.1	1.6	1.0	1.0	1.0	1.3	1.3
142°	1.0	1.0	1.0	1.3	2.1	1.6	1.0	1.0	0.8	1.3	1.3
143°	1.0	1.0	1.0	1.0	1.6	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	1.6	1.6	1.3
147°	1.3	1.3	1.3	1.3	1.6	1.3	1.6	1.3	1.3	1.3	1.3
148°	1.6	1.6	1.6	1.6	1.6	1.3	1.3	1.3	1.6	1.3	1.3
149°	1.6	1.6	1.8	1.8	1.8	1.6	1.3	1.3	1.6	1.6	1.6
150°	1.8	1.8	1.6	1.6	1.6	1.6	1.6	1.8	1.6	1.6	1.6
151°	1.8	1.8	1.6	1.8	1.8	1.6	1.8	1.8	1.8	1.6	1.6
152°	1.6	1.8	1.8	1.8	1.8	1.6	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	1.6	1.8	1.8	1.8
154°	2.1	2.1	2.1	1.8	2.1	1.8	1.6	1.8	1.8	1.8	2.1
155°	2.1	2.4	2.4	1.8	2.1	1.8	1.8	2.1	2.1	2.1	1.8
156°	2.1	2.1	2.4	2.4	2.1	2.1	1.8	2.1	2.1	2.1	1.8
157°	2.4	2.4	2.4	2.4	2.4	1.8	2.1	2.4	2.1	2.1	2.1
158°	2.4	2.6	2.4	2.4	2.6	2.1	2.4	2.1	2.4	2.4	2.1
159°	2.6	2.6	2.4	2.6	2.6	2.4	2.4	2.4	2.4	2.4	2.4
160°	2.6	2.6	2.9	2.4	2.6	2.1	2.4	2.4	2.6	2.4	2.4
161°	2.6	2.9	2.6	2.9	2.6	2.4	2.6	2.4	2.6	2.6	2.4
162°	2.9	2.9	2.9	2.9	2.9	2.4	2.6	2.4	2.6	2.4	2.4
163°	2.9	2.9	3.1	2.9	2.9	2.6	2.6	2.9	2.6	2.6	2.6
164°	3.1	3.1	3.4	3.1	3.1	2.9	2.9	2.6	2.9	2.9	2.4
165°	3.4	3.1	3.4	3.4	2.9	2.6	2.9	2.9	2.9	2.9	2.9
166°	3.1	3.4	3.4	3.4	3.1	2.9	2.9	3.1	2.9	2.9	2.6
167°	3.4	3.4	3.7	3.4	3.4	2.9	3.4	3.1	2.9	3.1	3.1
168°	3.4	3.4	3.7	3.7	3.4	2.9	3.4	3.1	3.1	3.1	3.1
169°	3.7	3.9	3.9	3.9	3.7	3.1	3.1	3.4	3.4	3.1	3.1
170°	3.7	3.7	4.2	3.9	3.7	3.4	3.7	3.4	3.7	3.4	3.1
171°	3.9	3.9	4.2	3.9	3.9	3.7	3.4	3.4	3.4	3.7	3.4
172°	3.9	3.7	3.9	3.9	3.7	3.9	3.7	3.7	3.4	3.4	3.4
173°	4.2	4.2	4.2	4.2	3.7	3.9	3.7	3.9	3.7	3.7	3.7
174°	3.9	4.2	4.2	4.2	3.9	3.9	3.9	3.7	3.7	3.7	3.7
175°	4.2	4.2	4.2	4.2	4.2	3.9	3.9	3.9	3.7	3.9	3.9
176°	3.9	4.2	3.9	3.9	3.9	3.9	3.9	3.9	3.7	3.9	3.7
177°	4.2	4.2	4.2	4.2	4.2	3.9	3.7	3.7	3.9	3.9	3.7



TEST NUMBER: P579285  
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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: P579285  
 CATALOG NUMBER: 2ST2L2040

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	627.5	627.5	627.5	627.5	627.5	627.5
1°	637.2	634.4	623.1	630.2	630.4	635.4
2°	637.8	633.8	623.1	630.2	630.4	635.1
3°	637.2	634.6	623.4	629.7	630.2	634.9
4°	637.2	634.4	622.9	629.7	629.9	633.6
5°	637.0	633.8	622.3	628.6	628.6	632.5
6°	635.9	633.6	622.3	628.6	627.3	631.0
7°	634.9	633.1	621.3	627.3	626.3	628.9
8°	633.6	632.0	620.5	625.7	624.2	627.8
9°	633.1	631.2	619.2	624.7	621.8	625.7
10°	631.2	630.7	618.7	623.4	620.8	622.3
11°	629.4	629.4	617.1	621.0	618.2	619.7
12°	628.4	627.3	615.0	618.9	614.8	617.6
13°	626.5	625.5	614.2	617.6	612.4	613.5
14°	624.2	625.0	611.9	614.8	609.8	609.5
15°	622.6	622.9	609.5	611.4	605.9	606.9
16°	620.5	621.3	608.2	609.5	602.8	602.0
17°	618.4	618.9	606.1	606.1	599.4	597.0
18°	616.1	617.1	603.0	602.2	595.2	594.1
19°	612.9	614.8	602.2	599.1	592.3	589.4
20°	609.8	612.9	598.8	596.2	586.8	582.9
21°	606.4	609.3	596.0	591.5	581.8	579.0
22°	604.6	607.2	594.1	588.1	578.2	574.0
23°	600.4	605.1	589.9	585.0	571.9	566.7
24°	596.0	601.4	586.3	579.8	567.0	562.0
25°	593.3	598.8	584.5	574.8	562.5	556.5
26°	589.7	595.7	580.0	571.4	554.9	548.4
27°	584.7	591.5	575.8	566.4	549.7	543.2
28°	582.1	589.2	573.0	560.7	545.0	536.6
29°	578.5	585.0	568.8	557.0	537.2	528.3
30°	573.7	580.0	564.3	551.5	530.9	523.3
31°	571.1	577.9	559.4	545.0	525.7	515.2
32°	565.7	573.5	556.0	540.6	518.6	507.9
33°	560.9	568.5	552.3	535.3	513.9	502.2
34°	557.6	565.7	547.4	527.8	504.5	492.2
35°	551.5	561.7	544.5	523.3	496.9	484.9
36°	546.6	556.5	538.5	517.6	487.5	478.4
37°	542.9	553.1	533.5	510.0	481.8	467.7
38°	536.9	549.5	530.6	505.0	473.7	459.8
39°	531.9	544.5	527.2	498.8	463.5	453.0
40°	527.8	541.4	519.7	491.7	457.5	442.1
41°	521.5	535.1	516.0	487.0	449.4	432.9
42°	516.5	529.9	509.5	478.9	439.2	426.4



TEST NUMBER: P579285  
 CATALOG NUMBER: 2ST2L2040

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	499.8	511.8	493.3	458.5	414.6	395.8
46°	495.6	507.4	488.1	452.0	407.8	388.5
47°	489.4	503.2	483.6	446.8	399.5	376.5
48°	482.0	498.0	477.9	438.2	390.1	367.1
49°	477.9	490.9	470.3	431.6	379.4	360.0
50°	470.8	486.7	466.1	426.1	373.1	347.5
51°	464.0	481.0	459.8	417.0	364.2	337.8
52°	459.6	473.7	452.3	409.9	353.2	330.5
53°	452.5	470.5	448.1	404.4	346.2	318.0
54°	444.9	463.2	441.5	396.9	337.8	307.8
55°	440.0	456.7	433.7	388.0	326.8	300.5
56°	434.0	452.0	429.3	382.5	320.1	287.7
57°	425.6	443.9	423.0	375.2	311.4	277.2
58°	420.4	437.6	414.9	366.0	300.7	269.6
59°	414.4	432.1	411.8	360.6	293.9	259.7
60°	407.1	423.5	403.7	353.5	285.3	246.6
61°	402.4	416.2	396.3	344.4	279.0	239.1
62°	392.2	409.7	391.4	337.0	268.6	228.9
63°	384.1	399.5	382.0	331.8	259.2	216.1
64°	373.9	390.6	373.9	322.4	251.1	208.2
65°	367.1	383.8	367.6	315.1	244.5	197.8
66°	358.2	372.6	357.2	309.3	234.1	185.2
67°	346.7	361.9	348.0	301.5	226.0	177.4
68°	339.4	355.1	341.2	291.3	219.5	167.2
69°	330.0	342.5	328.9	285.0	209.0	154.4
70°	317.2	331.6	319.0	276.7	200.9	149.2
71°	309.1	323.5	311.4	265.5	194.4	136.4
72°	298.9	312.5	301.5	258.7	184.5	126.2
73°	288.2	299.2	287.9	249.8	175.8	118.6
74°	280.3	288.7	279.8	237.8	170.1	106.1
75°	267.0	280.9	269.4	230.4	160.2	96.1
76°	256.8	267.5	256.0	220.8	152.1	89.1
77°	249.0	259.4	248.2	208.0	146.3	77.1
78°	235.7	249.0	237.8	200.4	138.5	74.7
79°	225.0	236.4	225.0	190.2	128.3	61.4
80°	217.1	228.4	217.4	180.0	121.5	50.7
81°	204.3	218.2	207.2	172.4	113.1	42.6
82°	194.1	205.6	194.4	159.6	101.9	36.6
83°	186.8	200.7	187.1	149.7	94.6	29.3
84°	174.5	188.4	177.7	142.4	86.0	20.9
85°	165.1	179.0	168.5	129.9	79.2	16.5
86°	158.1	169.6	157.0	122.8	68.5	10.2
87°	148.9	160.4	150.5	113.9	60.1	6.3



TEST NUMBER: P579285  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	122.8	135.1	123.8	89.6	40.5	1.0
91°	118.1	131.9	119.1	85.4	38.9	0.8
92°	116.3	130.1	116.0	83.1	36.3	1.0
93°	112.3	126.5	114.2	81.5	34.7	1.0
94°	110.3	124.1	111.3	78.6	30.8	0.8
95°	108.7	122.3	108.2	76.3	22.5	0.5
96°	106.6	119.1	106.3	74.7	13.6	0.8
97°	104.2	116.3	104.0	72.6	12.3	0.8
98°	102.4	114.2	100.6	64.3	14.9	0.8
99°	99.3	110.8	99.0	51.5	18.0	0.5
100°	94.6	107.9	96.1	29.5	17.0	0.5
101°	84.9	104.0	84.9	16.5	16.7	0.5
102°	53.0	87.5	69.8	15.4	15.9	0.5
103°	34.7	57.5	39.2	14.4	14.9	0.5
104°	20.9	37.9	16.7	21.2	14.1	0.5
105°	17.2	18.0	14.6	30.8	13.1	0.5
106°	17.2	16.5	13.6	44.2	13.1	0.5
107°	16.5	15.9	12.8	43.4	11.5	0.3
108°	15.9	15.4	14.6	42.8	9.9	0.5
109°	20.9	20.6	29.8	39.7	9.1	0.3
110°	34.2	31.6	46.8	37.9	7.8	0.5
111°	50.4	49.1	58.3	36.8	4.4	0.5
112°	60.1	68.5	58.8	35.0	2.9	0.5
113°	58.3	68.5	56.4	33.2	2.1	0.5
114°	56.4	65.8	54.6	31.9	1.3	0.5
115°	54.1	62.7	52.8	29.8	1.3	0.3
116°	52.5	61.1	50.2	28.2	1.0	0.3
117°	49.9	58.3	48.6	26.9	1.0	0.3
118°	48.1	56.2	46.8	24.6	0.8	0.5
119°	46.2	54.6	44.4	23.3	0.8	0.3
120°	44.2	51.7	42.6	22.2	0.8	0.3
121°	42.1	49.1	40.8	20.1	0.8	0.5
122°	40.2	47.0	38.1	18.6	0.8	0.5
123°	38.1	44.4	36.6	17.2	0.5	0.3
124°	35.5	42.1	34.5	15.7	0.5	0.3
125°	34.2	40.5	32.9	12.0	0.8	0.3
126°	31.6	37.9	31.4	9.1	0.5	0.5
127°	29.5	35.3	28.7	4.7	0.5	0.5
128°	28.0	34.0	26.6	2.6	0.5	0.3
129°	26.1	30.6	25.1	2.1	0.5	0.5
130°	23.8	28.7	22.7	1.8	0.5	0.5
131°	22.2	27.2	20.6	1.6	0.3	0.5
132°	20.1	24.8	19.1	1.3	0.8	0.5



TEST NUMBER: P579285  
 CATALOG NUMBER: 2ST2L2040

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	7.8	16.5	6.0	0.8	0.5	0.5
136°	3.9	9.7	2.9	0.8	0.8	0.8
137°	2.9	6.0	2.4	0.8	0.8	0.5
138°	2.6	3.7	2.6	0.8	1.0	0.8
139°	2.1	2.9	2.4	0.8	1.0	0.8
140°	1.8	2.4	1.6	1.0	0.8	0.8
141°	1.6	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	1.6	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	1.6	1.3	1.3	1.6	1.3
147°	1.3	1.3	1.6	1.6	1.6	1.3
148°	1.3	1.6	1.8	1.6	1.3	1.6
149°	1.3	1.6	1.6	1.6	1.6	1.6
150°	1.6	1.8	1.6	1.8	1.8	1.8
151°	1.8	1.6	1.8	1.8	1.8	1.8
152°	1.8	1.8	1.8	2.1	1.8	1.6
153°	1.8	1.6	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	2.4	2.1	2.4	2.4	2.1
157°	2.1	2.4	2.6	2.4	2.4	2.4
158°	2.4	2.1	2.1	2.4	2.6	2.4
159°	2.4	2.4	2.1	2.4	2.6	2.6
160°	2.1	2.4	2.6	2.6	2.6	2.6
161°	2.6	2.6	2.6	2.6	2.6	2.6
162°	2.4	2.4	2.6	2.9	2.9	2.9
163°	2.6	2.9	2.9	2.9	2.9	2.9
164°	2.6	2.6	2.9	2.9	3.1	3.1
165°	2.4	2.9	3.1	3.1	3.1	3.4
166°	2.9	2.9	3.1	3.1	3.4	3.1
167°	2.9	3.1	3.1	3.4	3.4	3.4
168°	3.1	3.1	3.4	3.4	3.7	3.4
169°	3.4	3.4	3.7	3.7	3.7	3.7
170°	3.4	3.4	3.4	3.4	3.7	3.7
171°	3.4	3.7	3.7	3.4	3.7	3.9
172°	3.4	3.9	3.7	3.7	3.7	3.9
173°	3.7	3.9	3.7	3.9	3.7	4.2
174°	3.7	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	3.7	3.9	4.2	3.9
177°	3.7	3.9	4.2	3.9	3.9	4.2



TEST NUMBER: P579285  
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



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°







43°	414.9	422.0	465.8	503.7	514.2	495.9	462.7	423.3	411.2	417.2	471.1
44°	405.2	414.4	458.0	498.0	507.9	488.8	454.1	416.7	399.5	409.9	465.1



88°	4.2	51.7	100.9	130.1	145.0	132.5	95.4	49.9	4.4	54.6	110.8
89°	1.8	44.9	93.3	124.9	135.6	126.2	90.7	43.4	2.4	45.7	104.5



133°	0.5	0.5	1.0	17.0	23.5	18.3	1.3	1.0	0.8	0.8	1.3
134°	0.5	0.8	0.8	12.5	20.9	13.3	1.0	0.5	0.5	0.8	1.3



178°	3.9	3.9	4.2	4.2	4.2	3.7	3.9	3.9	3.9	3.9	3.7
179°	4.2	4.2	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.9







43°	512.4	523.6	505.0	471.9	432.7	414.9
44°	505.0	519.7	500.1	467.2	424.8	405.2



88°	137.7	151.0	141.6	103.7	50.7	4.2
89°	131.2	144.2	134.8	97.7	45.7	1.8



133°	16.5	22.2	14.1	1.3	0.8	0.5
134°	13.3	20.6	9.1	1.0	0.5	0.5



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



(END OF REPORT)