

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: P571639

Luminaire Tested: **2ST2L20SC3-3500K**

Issue Date: 3/18/2022

Test Information

Test Method: LM-79-08
Report Number: P571639
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: 2ST2L20SC3-3500K
Description: 2 FOOT ST2 STIPLIGHT WITH 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

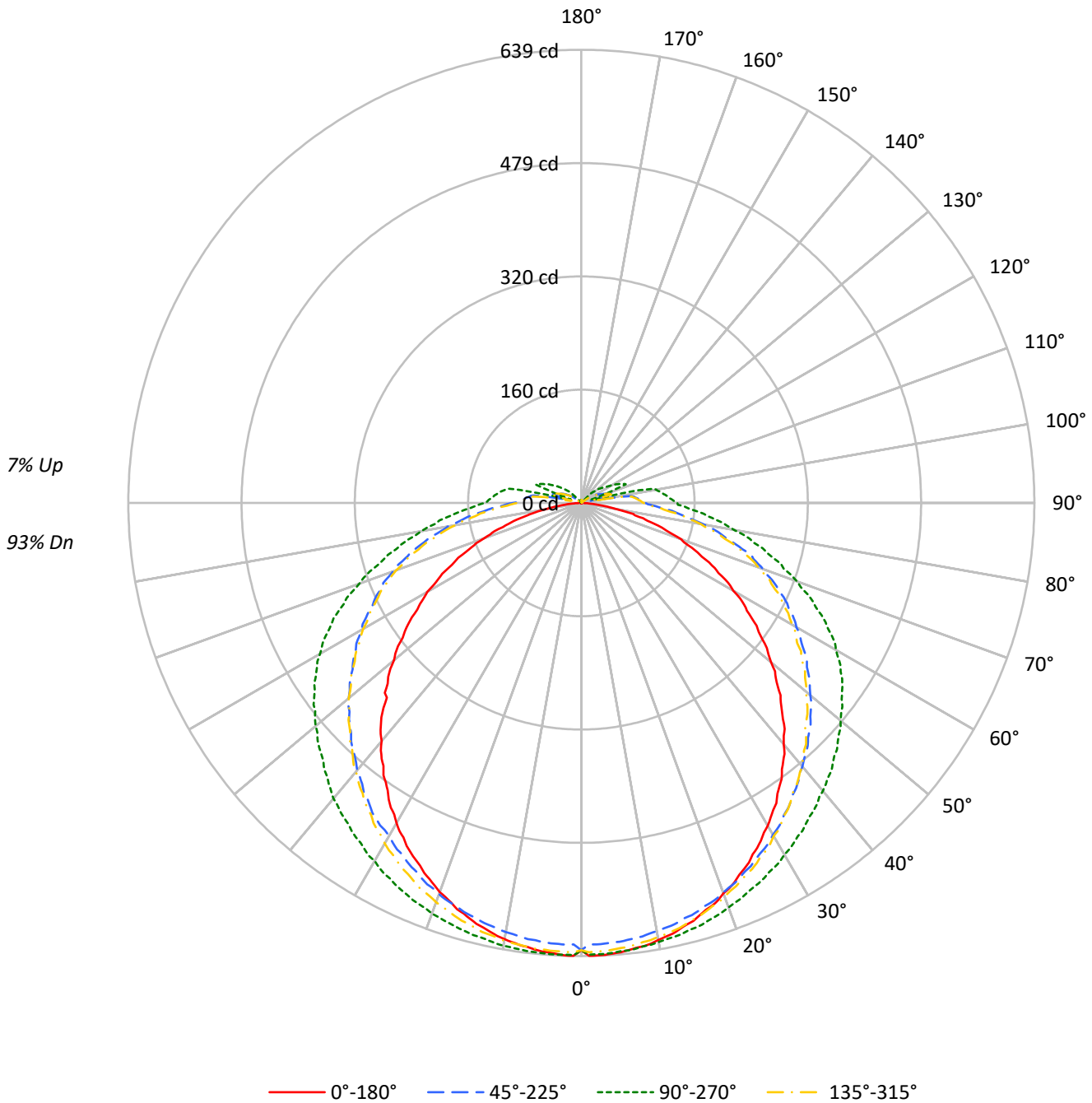
Lumens per Lamp: N/A
Luminaire Lumens: 2312.0 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 2' x H: 0.11')
CIE Type: Direct

Input Watts (W): 19.2
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: P571639
CATALOG NUMBER: 2ST2L20SC3-3500K

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°	11640	11640	11640	11640
5°	11723	11383	11707	11431
10°	11611	11058	11591	11149
15°	11488	10774	11430	10878
20°	11283	10500	11248	10659
25°	11109	10269	11010	10447
30°	10868	10050	10771	10229
35°	10578	9873	10441	10095
40°	10239	9733	10099	9994
45°	9850	9605	9602	9790
50°	9419	9502	9298	9736
55°	9018	9447	8902	9650
60°	8364	9313	8455	9560
65°	7777	9082	7714	9376
70°	7044	8646	6871	8900
75°	5735	8100	5871	8435
80°	4146	7491	4162	7851
85°	2158	6987	2262	7261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	2.6
10°-20°	171.8	7.4
20°-30°	263.3	11.4
30°-40°	324.5	14.0
40°-50°	350.3	15.2
50°-60°	341.3	14.8
60°-70°	298.9	12.9
70°-80°	222.2	9.6
80°-90°	128.9	5.6
90°-100°	74.0	3.2
100°-110°	27.2	1.2
110°-120°	28.1	1.2
120°-130°	14.8	0.6
130°-140°	4.0	0.2
140°-150°	0.9	0.0
150°-160°	1.0	0.0
160°-170°	0.8	0.0
170°-180°	0.4	0.0
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0°-30°	494.9	21.4
0°-40°	819.3	35.4
0°-60°	1511.0	65.4
0°-90°	2160.9	93.5
90°-120°	129.3	5.6
90°-150°	149.0	6.4
90°-180°	151.0	6.5
0°-180°	2312.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	631	631	631	631	631	
5°	636	634	635	637	636	60
15°	610	620	607	626	610	172
25°	559	592	554	602	559	257
35°	487	552	481	565	487	305
45°	398	505	388	514	398	307
55°	302	449	298	459	302	268
65°	199	374	197	386	199	196
75°	97	271	99	282	97	104
85°	16	173	17	180	16	20
90°	1	135	2	136	1	1
95°	0	120	1	123	0	1
105°	0	18	0	18	0	0
115°	0	64	1	63	0	0
125°	0	39	0	41	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: P571639
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	630.8	630.8	630.8	630.8	630.8	630.8	630.8	630.8	630.8	630.8	630.8
1°	638.7	608.5	622.7	640.3	637.2	626.4	633.7	633.2	638.7	608.5	622.7
2°	638.5	608.3	623.0	640.0	636.6	625.6	632.9	632.9	638.5	608.3	623.2
3°	638.2	608.0	622.4	639.8	636.9	624.8	632.7	632.4	637.2	607.8	622.7
4°	636.9	607.2	621.1	639.3	636.1	624.5	631.6	631.4	635.6	606.7	622.4
5°	635.9	606.1	621.1	638.5	634.5	623.7	630.1	629.8	635.0	605.6	621.4
6°	634.2	605.4	619.6	637.2	634.5	621.9	629.3	629.0	632.9	605.1	620.1
7°	632.2	603.5	618.5	636.1	633.2	621.4	627.7	627.2	630.6	603.0	619.6
8°	631.1	602.0	617.2	635.0	631.1	619.6	625.3	624.3	629.3	600.7	617.7
9°	629.0	600.1	614.8	633.2	630.8	617.7	624.3	622.4	626.9	599.3	615.6
10°	625.6	597.5	613.2	632.2	628.8	616.7	621.7	620.9	624.5	596.7	614.5
11°	623.0	595.9	611.2	630.6	626.9	614.8	619.8	617.5	622.2	593.8	612.2
12°	620.9	592.5	609.6	628.2	625.6	612.5	617.5	613.5	618.3	589.9	609.8
13°	616.7	588.8	606.7	626.9	624.3	610.6	615.3	611.9	614.3	588.1	608.0
14°	612.7	587.0	603.3	624.0	621.7	608.5	611.7	607.8	611.7	586.2	604.8
15°	610.1	583.0	601.7	620.9	620.1	605.9	608.5	603.3	607.0	582.3	602.5
16°	605.1	580.7	598.6	619.0	618.5	603.3	605.9	600.7	602.2	577.8	600.1
17°	600.1	577.2	594.6	615.9	615.1	601.2	602.2	596.4	599.3	574.9	596.2
18°	597.3	572.8	592.5	612.2	613.0	597.8	598.0	590.9	593.0	571.5	593.5
19°	592.5	568.6	589.4	611.4	610.4	595.4	595.4	587.8	588.1	566.2	590.9
20°	585.9	565.4	584.6	607.5	607.0	592.2	590.9	583.6	584.1	561.8	587.0
21°	582.0	560.2	581.0	604.3	603.8	588.8	586.2	576.7	577.5	558.6	582.5
22°	577.0	555.2	578.1	602.0	601.7	586.2	583.0	572.8	572.0	553.9	580.2
23°	569.7	551.8	573.3	597.5	597.5	582.3	577.8	567.8	567.0	547.6	575.2
24°	564.9	545.5	568.4	593.8	594.3	578.9	573.3	561.5	559.7	544.2	569.9
25°	559.4	540.0	565.2	591.2	591.7	575.7	569.7	557.8	554.4	538.4	566.7
26°	551.3	536.3	559.7	585.9	588.3	571.2	564.7	550.2	548.9	531.6	561.8
27°	546.0	529.4	554.9	581.7	584.1	569.4	558.6	543.9	542.9	527.6	556.5
28°	539.5	523.4	551.3	578.9	581.2	565.7	554.9	539.2	534.2	521.9	553.4
29°	531.1	519.2	546.8	573.3	578.1	562.3	549.7	531.3	529.2	514.5	548.4
30°	526.0	513.2	540.5	568.9	572.8	556.8	542.6	524.7	521.3	509.8	542.3
31°	517.9	505.8	536.3	563.1	569.7	553.9	538.9	519.5	512.4	503.7	538.1
32°	510.6	500.9	531.6	559.7	565.2	549.2	532.1	510.8	506.9	496.1	536.0
33°	504.8	496.1	524.7	555.5	560.5	543.9	525.3	504.3	498.7	493.0	531.1
34°	494.8	486.4	520.6	551.0	557.6	540.8	521.1	498.2	488.7	484.3	527.1
35°	487.4	481.1	514.8	546.3	552.3	535.8	514.5	489.0	481.1	477.5	520.3
36°	480.9	474.3	507.9	541.6	547.1	530.0	506.6	481.7	474.6	472.5	514.2
37°	470.1	465.4	503.5	537.6	544.2	526.8	502.4	473.8	464.1	463.8	510.0
38°	462.3	460.1	497.2	532.6	539.5	522.1	496.4	468.0	457.5	456.7	502.4
39°	455.4	452.5	489.8	526.3	533.4	517.4	489.5	458.0	449.4	451.4	496.6
40°	444.4	443.1	485.4	522.9	530.0	514.0	484.8	450.1	438.3	442.0	492.2
41°	435.2	437.8	478.8	516.9	525.5	507.7	476.7	443.9	431.5	434.4	484.6
42°	428.6	430.2	473.3	510.3	520.3	502.4	469.6	433.4	422.8	428.9	478.2
43°	417.1	424.2	468.3	506.4	516.9	498.5	465.1	425.5	413.4	419.4	473.5
44°	407.4	416.6	460.4	500.6	510.6	491.4	456.5	418.9	401.6	412.1	467.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	397.9	406.6	454.9	493.5	504.8	485.6	446.2	406.6	387.9	401.8	459.6
46°	390.5	400.8	449.6	489.3	501.1	478.8	441.2	400.5	385.3	395.5	452.8
47°	378.5	392.1	441.7	483.5	494.5	474.6	436.0	393.9	373.5	387.9	448.3
48°	369.0	382.4	435.5	476.4	488.5	468.8	429.1	383.2	366.4	381.9	440.2
49°	361.9	376.4	429.9	470.6	484.6	464.6	420.2	374.5	356.9	371.6	435.5
50°	349.3	367.7	421.8	466.4	477.5	457.2	414.7	368.2	344.8	363.5	428.4
51°	339.6	357.5	414.5	459.9	471.4	451.4	408.1	359.3	337.5	355.6	420.2
52°	332.2	349.3	409.4	452.5	467.2	446.5	400.5	348.5	328.3	349.1	414.7
53°	319.6	342.5	401.0	447.8	459.9	441.2	395.3	342.7	315.7	338.8	407.6
54°	309.4	332.2	393.4	441.2	454.4	433.6	386.4	333.5	308.0	332.8	398.7
55°	302.0	325.7	388.4	433.4	449.4	428.6	379.0	323.0	298.1	324.1	393.4
56°	289.2	317.5	381.3	428.9	443.6	422.8	373.7	316.5	288.1	313.8	386.9
57°	278.6	308.9	372.1	422.0	436.2	415.2	363.0	308.0	275.5	301.0	379.5
58°	271.1	298.3	365.0	413.9	431.0	408.7	357.5	297.3	268.4	298.9	374.2
59°	261.1	292.1	359.8	408.7	422.3	403.9	352.2	291.0	258.4	288.6	365.6
60°	247.9	283.1	350.4	401.8	414.7	395.3	343.3	282.6	250.6	280.5	358.0
61°	240.3	276.8	344.6	396.1	409.4	388.7	336.2	271.8	238.2	274.2	352.7
62°	230.0	266.8	337.5	386.1	400.8	382.9	330.4	265.5	228.0	264.0	343.8
63°	217.2	258.2	328.3	378.2	390.3	372.9	321.2	257.6	220.3	255.3	336.4
64°	209.3	251.9	322.8	367.2	383.4	365.0	314.9	247.1	207.5	249.2	327.0
65°	198.8	241.6	314.9	360.6	373.7	358.5	309.1	241.4	197.2	240.5	321.7
66°	186.2	233.2	304.9	351.7	361.9	349.6	299.2	232.4	189.9	230.3	314.6
67°	178.3	226.9	298.9	341.7	354.5	338.3	291.3	224.3	176.8	224.3	304.9
68°	168.1	216.7	290.2	334.3	344.6	331.2	285.5	213.8	166.8	216.2	301.3
69°	155.2	208.8	279.7	322.3	331.7	321.5	274.5	207.5	158.9	205.6	291.3
70°	150.0	202.5	273.1	311.8	323.8	309.1	265.3	199.3	146.3	199.6	282.6
71°	137.1	192.5	264.0	304.1	313.6	301.5	258.9	193.1	136.3	191.7	276.3
72°	126.9	184.6	255.3	291.0	300.2	291.0	249.5	183.1	128.7	181.7	265.3
73°	119.2	178.9	250.6	280.3	294.7	277.3	238.2	175.2	116.1	176.0	256.3
74°	106.7	170.7	236.1	272.4	281.6	269.4	230.8	169.4	106.4	168.1	249.5
75°	96.7	161.2	226.1	258.9	271.1	259.2	220.9	160.2	99.0	158.6	238.2
76°	89.6	153.4	213.0	248.7	263.4	246.1	208.5	152.3	89.8	150.7	228.2
77°	77.5	147.1	205.4	240.9	250.3	238.5	200.9	146.3	77.8	145.0	220.9
78°	75.1	136.3	197.5	227.2	242.7	228.0	190.9	136.3	70.9	137.4	208.5
79°	61.7	127.7	187.8	216.9	231.7	218.0	178.3	127.7	62.2	131.0	198.3
80°	51.0	120.8	175.7	209.6	219.0	210.4	171.2	119.0	51.2	120.5	190.9
81°	42.8	109.3	165.0	199.3	209.0	198.0	161.0	112.4	45.2	112.4	178.6
82°	36.8	100.3	152.1	186.7	201.9	188.3	148.4	101.1	37.5	105.8	169.1
83°	29.4	93.5	144.7	179.4	189.6	181.5	143.4	94.3	28.3	94.8	161.5
84°	21.0	82.2	135.3	172.3	179.9	169.9	131.3	85.3	23.4	86.1	151.8
85°	16.5	75.9	128.4	162.3	173.1	159.9	119.8	74.8	17.3	79.3	139.2
86°	10.3	67.5	116.9	150.7	161.5	153.1	113.4	66.2	11.0	68.8	131.8
87°	6.3	57.5	108.0	141.5	152.3	141.3	104.2	59.6	8.6	60.9	122.4
88°	4.2	52.0	101.4	130.8	145.8	133.1	95.8	50.2	4.5	54.9	111.4
89°	1.9	45.2	93.7	125.6	136.3	126.9	91.1	43.6	2.4	45.9	105.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.1	42.6	90.1	122.9	135.3	120.0	87.7	41.0	1.6	40.5	96.4
91°	0.8	40.7	88.0	120.8	131.3	118.2	85.3	39.4	1.3	38.9	87.5
92°	1.1	38.1	86.1	117.7	128.4	115.8	83.5	37.5	0.8	36.0	85.1
93°	1.1	36.2	82.5	115.0	125.0	114.2	80.9	36.2	1.1	34.7	82.5
94°	0.8	34.9	80.6	112.1	122.9	111.1	78.5	33.9	1.1	33.1	80.6
95°	0.5	23.9	78.5	110.3	120.3	109.3	77.2	22.3	0.8	27.0	79.3
96°	0.8	14.2	75.9	107.7	117.2	106.9	74.3	16.8	0.8	16.5	76.1
97°	0.8	12.6	74.6	104.5	115.0	104.0	72.0	13.9	0.8	14.7	73.5
98°	0.8	13.4	70.4	102.7	112.7	102.2	68.0	16.0	0.8	15.0	72.2
99°	0.5	19.1	49.1	99.5	109.3	99.8	47.3	19.1	0.8	18.6	66.7
100°	0.5	18.9	31.3	96.7	107.2	96.4	22.6	18.4	0.5	18.1	52.0
101°	0.5	17.8	15.5	87.5	104.5	93.2	18.1	17.3	0.5	17.1	37.8
102°	0.5	16.8	14.7	60.2	90.1	77.2	16.3	16.3	0.8	16.3	20.8
103°	0.5	15.5	13.4	33.9	73.5	48.9	15.2	15.2	0.8	15.5	18.9
104°	0.5	14.7	14.2	15.5	42.3	23.6	16.3	14.2	0.8	14.7	18.1
105°	0.5	13.4	25.7	12.9	18.1	16.0	30.0	13.7	0.5	13.4	21.3
106°	0.5	12.9	37.5	12.4	16.0	15.5	43.9	12.6	0.5	12.6	32.1
107°	0.3	11.8	45.7	11.8	15.2	14.4	43.1	11.6	0.5	11.3	41.2
108°	0.5	10.5	43.6	14.4	15.0	13.7	41.8	11.0	0.5	10.5	42.6
109°	0.3	9.7	42.3	24.4	14.7	18.9	39.9	10.0	0.5	9.4	40.7
110°	0.5	8.9	39.7	41.5	24.4	37.3	38.3	8.6	0.5	8.1	39.4
111°	0.5	7.1	37.0	61.5	40.7	50.4	35.2	7.9	0.5	5.3	37.0
112°	0.5	5.0	35.2	60.9	54.4	60.2	32.8	4.7	0.3	3.4	35.7
113°	0.5	2.4	32.6	58.6	68.0	58.8	31.3	2.1	0.5	2.1	34.4
114°	0.5	1.6	30.7	56.4	65.6	55.9	29.2	1.9	0.5	1.9	33.1
115°	0.3	1.6	29.4	54.6	64.1	53.6	27.6	1.6	0.8	1.6	31.0
116°	0.3	1.3	28.1	51.5	61.5	50.4	27.0	1.3	0.5	1.3	29.7
117°	0.3	0.8	26.3	48.6	58.1	48.3	25.7	1.1	0.5	0.8	28.3
118°	0.5	0.8	25.5	46.2	56.2	45.7	24.4	0.8	0.5	0.8	26.0
119°	0.3	0.8	23.9	43.1	52.8	43.6	23.1	0.8	0.5	0.8	25.2
120°	0.3	0.8	21.8	41.2	49.4	41.2	22.1	0.8	0.5	0.8	23.1
121°	0.5	0.8	20.5	38.6	47.0	38.3	20.2	0.8	0.5	0.8	21.5
122°	0.5	0.5	19.5	37.3	44.4	36.8	18.9	0.8	0.5	0.8	20.2
123°	0.3	0.5	17.3	35.4	41.8	35.4	17.6	0.3	0.5	0.8	18.4
124°	0.3	0.5	16.0	33.4	40.5	33.4	15.5	0.8	0.8	0.8	16.5
125°	0.3	0.5	15.0	32.1	38.6	31.8	14.2	0.5	0.5	0.5	15.8
126°	0.5	0.3	11.0	30.2	36.0	30.5	10.8	0.8	0.5	0.5	12.1
127°	0.5	0.8	6.6	28.3	34.9	28.6	5.3	0.5	0.5	0.5	7.9
128°	0.3	0.5	3.7	27.0	32.6	26.8	3.7	0.5	0.5	0.5	5.0
129°	0.5	0.5	2.1	24.7	31.5	25.7	2.4	0.5	0.5	0.8	2.6
130°	0.5	0.5	1.9	22.6	29.2	23.6	1.9	0.5	0.5	0.8	2.6
131°	0.5	0.8	1.9	21.3	27.0	21.5	1.9	0.8	0.8	0.5	2.1
132°	0.5	0.5	1.3	18.9	24.2	20.2	1.6	0.8	0.8	0.8	1.6
133°	0.5	0.5	1.1	17.1	23.6	18.4	1.3	1.1	0.8	0.8	1.3
134°	0.5	0.8	0.8	12.6	21.0	13.4	1.1	0.5	0.5	0.8	1.3



TEST NUMBER: P571639
 CATALOG NUMBER: 2ST2L20SC3-3500K

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	18.4	9.7	0.8	0.8	0.8	0.8	1.1
136°	0.8	0.5	1.1	3.4	14.7	4.7	0.8	0.8	0.5	0.8	1.1
137°	0.5	0.5	0.8	2.4	7.3	2.9	0.8	0.8	0.8	0.8	1.1
138°	0.8	0.8	0.8	2.1	3.9	2.6	0.8	0.8	0.8	0.8	1.1
139°	0.8	0.8	0.8	2.1	2.9	2.1	1.1	0.8	0.8	1.1	0.8
140°	0.8	0.8	1.1	1.6	2.4	1.9	1.3	1.1	1.1	0.8	1.1
141°	0.8	1.1	1.1	1.3	2.1	1.6	1.1	1.1	1.1	1.3	1.3
142°	1.1	1.1	1.1	1.3	2.1	1.6	1.1	1.1	0.8	1.3	1.3
143°	1.1	1.1	1.1	1.1	1.6	1.3	1.1	1.1	1.1	1.1	1.3
144°	1.1	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.3
145°	1.3	1.1	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	1.9	1.9	1.9	1.6	1.3	1.3	1.6	1.6	1.6
150°	1.9	1.9	1.6	1.6	1.6	1.6	1.6	1.9	1.6	1.6	1.6
151°	1.9	1.9	1.6	1.9	1.9	1.6	1.9	1.9	1.9	1.6	1.6
152°	1.6	1.9	1.9	1.9	1.9	1.6	1.9	1.9	1.9	1.9	1.9
153°	2.1	2.1	1.9	1.9	2.1	1.9	1.9	1.6	1.9	1.9	1.9
154°	2.1	2.1	2.1	1.9	2.1	1.9	1.6	1.9	1.9	1.9	2.1
155°	2.1	2.4	2.4	1.9	2.1	1.9	1.9	2.1	2.1	2.1	1.9
156°	2.1	2.1	2.4	2.4	2.1	2.1	1.9	2.1	2.1	2.1	1.9
157°	2.4	2.4	2.4	2.4	2.4	1.9	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	3.2	2.9	2.9	2.6	2.6	2.9	2.6	2.6	2.6
164°	3.2	3.2	3.4	3.2	3.2	2.9	2.9	2.6	2.9	2.9	2.4
165°	3.4	3.2	3.4	3.4	2.9	2.6	2.9	2.9	2.9	2.9	2.9
166°	3.2	3.4	3.4	3.4	3.2	2.9	2.9	3.2	2.9	2.9	2.6
167°	3.4	3.4	3.7	3.4	3.4	2.9	3.4	3.2	2.9	3.2	3.2
168°	3.4	3.4	3.7	3.7	3.4	2.9	3.4	3.2	3.2	3.2	3.2
169°	3.7	3.9	3.9	3.9	3.7	3.2	3.2	3.4	3.4	3.2	3.2
170°	3.7	3.7	4.2	3.9	3.7	3.4	3.7	3.4	3.7	3.4	3.2
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
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



TEST NUMBER: P571639
CATALOG NUMBER: 2ST2L20SC3-3500K

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: P571639
 CATALOG NUMBER: 2ST2L20SC3-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	630.8	630.8	630.8	630.8	630.8	630.8
1°	640.6	637.7	626.4	633.5	633.7	638.7
2°	641.1	637.2	626.4	633.5	633.7	638.5
3°	640.6	638.0	626.7	632.9	633.5	638.2
4°	640.6	637.7	626.1	632.9	633.2	636.9
5°	640.3	637.2	625.6	631.9	631.9	635.9
6°	639.3	636.9	625.6	631.9	630.6	634.2
7°	638.2	636.4	624.5	630.6	629.5	632.2
8°	636.9	635.3	623.7	629.0	627.5	631.1
9°	636.4	634.5	622.4	628.0	625.0	629.0
10°	634.5	634.0	621.9	626.7	624.0	625.6
11°	632.7	632.7	620.3	624.3	621.4	623.0
12°	631.6	630.6	618.3	622.2	618.0	620.9
13°	629.8	628.8	617.5	620.9	615.6	616.7
14°	627.5	628.2	615.1	618.0	613.0	612.7
15°	625.9	626.1	612.7	614.5	609.1	610.1
16°	623.7	624.5	611.4	612.7	605.9	605.1
17°	621.7	622.2	609.3	609.3	602.5	600.1
18°	619.3	620.3	606.1	605.4	598.3	597.3
19°	616.2	618.0	605.4	602.2	595.4	592.5
20°	613.0	616.2	602.0	599.3	589.9	585.9
21°	609.6	612.5	599.1	594.6	584.9	582.0
22°	607.8	610.4	597.3	591.2	581.2	577.0
23°	603.5	608.3	593.0	588.1	574.9	569.7
24°	599.1	604.6	589.4	582.8	569.9	564.9
25°	596.4	602.0	587.5	577.8	565.4	559.4
26°	592.8	598.8	583.0	574.4	557.8	551.3
27°	587.8	594.6	578.9	569.4	552.6	546.0
28°	585.1	592.2	575.9	563.6	547.8	539.5
29°	581.5	588.1	571.8	560.0	540.0	531.1
30°	576.7	583.0	567.3	554.4	533.7	526.0
31°	574.1	581.0	562.3	547.8	528.4	517.9
32°	568.6	576.5	558.9	543.4	521.3	510.6
33°	563.9	571.5	555.2	538.1	516.6	504.8
34°	560.5	568.6	550.2	530.5	507.1	494.8
35°	554.4	564.7	547.3	526.0	499.5	487.4
36°	549.5	559.4	541.3	520.3	490.1	480.9
37°	545.7	556.0	536.3	512.7	484.3	470.1
38°	539.7	552.3	533.4	507.7	476.2	462.3
39°	534.7	547.3	530.0	501.4	465.9	455.4
40°	530.5	544.2	522.4	494.3	459.9	444.4
41°	524.2	537.9	518.7	489.5	451.7	435.2
42°	519.2	532.6	512.2	481.4	441.5	428.6
43°	515.0	526.3	507.7	474.3	434.9	417.1
44°	507.7	522.4	502.7	469.6	427.1	407.4



TEST NUMBER: P571639
 CATALOG NUMBER: 2ST2L20SC3-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	502.4	514.5	495.9	460.9	416.8	397.9
46°	498.2	510.0	490.6	454.4	410.0	390.5
47°	491.9	505.8	486.1	449.1	401.6	378.5
48°	484.6	500.6	480.3	440.4	392.1	369.0
49°	480.3	493.5	472.8	433.9	381.3	361.9
50°	473.3	489.3	468.5	428.4	375.0	349.3
51°	466.4	483.5	462.3	419.2	366.1	339.6
52°	461.9	476.2	454.6	412.1	355.1	332.2
53°	454.9	473.0	450.4	406.6	348.0	319.6
54°	447.3	465.7	443.9	398.9	339.6	309.4
55°	442.3	459.1	436.0	390.0	328.6	302.0
56°	436.2	454.4	431.5	384.5	321.7	289.2
57°	427.8	446.2	425.2	377.2	313.1	278.6
58°	422.6	439.9	417.1	368.0	302.3	271.1
59°	416.6	434.4	413.9	362.4	295.5	261.1
60°	409.2	425.7	405.8	355.3	286.8	247.9
61°	404.5	418.4	398.4	346.1	280.5	240.3
62°	394.2	411.8	393.4	338.8	270.0	230.0
63°	386.1	401.6	384.0	333.5	260.6	217.2
64°	375.9	392.6	375.9	324.1	252.4	209.3
65°	369.0	385.8	369.5	316.7	245.8	198.8
66°	360.1	374.5	359.0	311.0	235.3	186.2
67°	348.5	363.7	349.8	303.1	227.2	178.3
68°	341.2	356.9	343.0	292.8	220.6	168.1
69°	331.7	344.3	330.7	286.5	210.1	155.2
70°	318.9	333.3	320.7	278.1	201.9	150.0
71°	310.7	325.1	313.1	266.8	195.4	137.1
72°	300.5	314.1	303.1	260.0	185.4	126.9
73°	289.7	300.7	289.4	251.1	176.8	119.2
74°	281.8	290.2	281.3	239.0	171.0	106.7
75°	268.4	282.3	270.8	231.7	161.0	96.7
76°	258.2	268.9	257.4	221.9	152.8	89.6
77°	250.3	260.8	249.5	209.0	147.1	77.5
78°	236.9	250.3	239.0	201.4	139.2	75.1
79°	226.1	237.7	226.1	191.2	129.0	61.7
80°	218.2	229.5	218.5	180.9	122.1	51.0
81°	205.4	219.3	208.3	173.4	113.7	42.8
82°	195.1	206.7	195.4	160.5	102.4	36.8
83°	187.8	201.7	188.0	150.5	95.1	29.4
84°	175.5	189.4	178.6	143.1	86.4	21.0
85°	166.0	179.9	169.4	130.5	79.6	16.5
86°	158.9	170.4	157.8	123.4	68.8	10.3
87°	149.7	161.2	151.3	114.5	60.4	6.3
88°	138.4	151.8	142.3	104.2	51.0	4.2
89°	131.8	145.0	135.5	98.2	45.9	1.9



TEST NUMBER: P571639
 CATALOG NUMBER: 2ST2L20SC3-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	123.4	135.8	124.5	90.1	40.7	1.1
91°	118.7	132.6	119.8	85.9	39.2	0.8
92°	116.9	130.8	116.6	83.5	36.5	1.1
93°	112.9	127.1	114.8	81.9	34.9	1.1
94°	110.8	124.7	111.9	79.1	31.0	0.8
95°	109.3	122.9	108.7	76.7	22.6	0.5
96°	107.2	119.8	106.9	75.1	13.7	0.8
97°	104.8	116.9	104.5	73.0	12.4	0.8
98°	102.9	114.8	101.1	64.6	15.0	0.8
99°	99.8	111.4	99.5	51.7	18.1	0.5
100°	95.1	108.5	96.7	29.7	17.1	0.5
101°	85.3	104.5	85.3	16.5	16.8	0.5
102°	53.3	88.0	70.1	15.5	16.0	0.5
103°	34.9	57.8	39.4	14.4	15.0	0.5
104°	21.0	38.1	16.8	21.3	14.2	0.5
105°	17.3	18.1	14.7	31.0	13.1	0.5
106°	17.3	16.5	13.7	44.4	13.1	0.5
107°	16.5	16.0	12.9	43.6	11.6	0.3
108°	16.0	15.5	14.7	43.1	10.0	0.5
109°	21.0	20.8	30.0	39.9	9.2	0.3
110°	34.4	31.8	47.0	38.1	7.9	0.5
111°	50.7	49.4	58.6	37.0	4.5	0.5
112°	60.4	68.8	59.1	35.2	2.9	0.5
113°	58.6	68.8	56.7	33.4	2.1	0.5
114°	56.7	66.2	54.9	32.1	1.3	0.5
115°	54.4	63.0	53.1	30.0	1.3	0.3
116°	52.8	61.5	50.4	28.3	1.1	0.3
117°	50.2	58.6	48.9	27.0	1.1	0.3
118°	48.3	56.4	47.0	24.7	0.8	0.5
119°	46.5	54.9	44.6	23.4	0.8	0.3
120°	44.4	52.0	42.8	22.3	0.8	0.3
121°	42.3	49.4	41.0	20.2	0.8	0.5
122°	40.5	47.3	38.3	18.6	0.8	0.5
123°	38.3	44.6	36.8	17.3	0.5	0.3
124°	35.7	42.3	34.7	15.8	0.5	0.3
125°	34.4	40.7	33.1	12.1	0.8	0.3
126°	31.8	38.1	31.5	9.2	0.5	0.5
127°	29.7	35.4	28.9	4.7	0.5	0.5
128°	28.1	34.1	26.8	2.6	0.5	0.3
129°	26.3	30.7	25.2	2.1	0.5	0.5
130°	23.9	28.9	22.9	1.9	0.5	0.5
131°	22.3	27.3	20.8	1.6	0.3	0.5
132°	20.2	24.9	19.1	1.3	0.8	0.5
133°	16.5	22.3	14.2	1.3	0.8	0.5
134°	13.4	20.8	9.2	1.1	0.5	0.5



TEST NUMBER: P571639
 CATALOG NUMBER: 2ST2L20SC3-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	7.9	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	1.1	0.8
139°	2.1	2.9	2.4	0.8	1.1	0.8
140°	1.9	2.4	1.6	1.1	0.8	0.8
141°	1.6	2.1	1.3	0.8	1.1	0.8
142°	1.3	1.9	1.3	1.1	1.1	1.1
143°	1.1	1.6	1.3	1.1	1.1	1.1
144°	1.3	1.3	1.3	1.3	1.3	1.1
145°	1.3	1.1	1.1	1.3	1.1	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	1.9	1.6	1.3	1.6
149°	1.3	1.6	1.6	1.6	1.6	1.6
150°	1.6	1.9	1.6	1.9	1.9	1.9
151°	1.9	1.6	1.9	1.9	1.9	1.9
152°	1.9	1.9	1.9	2.1	1.9	1.6
153°	1.9	1.6	1.9	2.1	2.1	2.1
154°	1.9	2.1	2.1	1.9	1.9	2.1
155°	1.9	2.1	2.1	2.1	2.1	2.1
156°	1.9	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	3.2	3.2
165°	2.4	2.9	3.2	3.2	3.2	3.4
166°	2.9	2.9	3.2	3.2	3.4	3.2
167°	2.9	3.2	3.2	3.4	3.4	3.4
168°	3.2	3.2	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
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: P571639
CATALOG NUMBER: 2ST2L20SC3-3500K

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)