

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: P571641

Luminaire Tested: **2ST2L20SC3-5000K**

Issue Date: 3/18/2022

Test Information

Test Method: LM-79-08
Report Number: P571641
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: 2ST2L20SC3-5000K
Description: 2 FOOT ST2 STIPLIGHT WITH 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

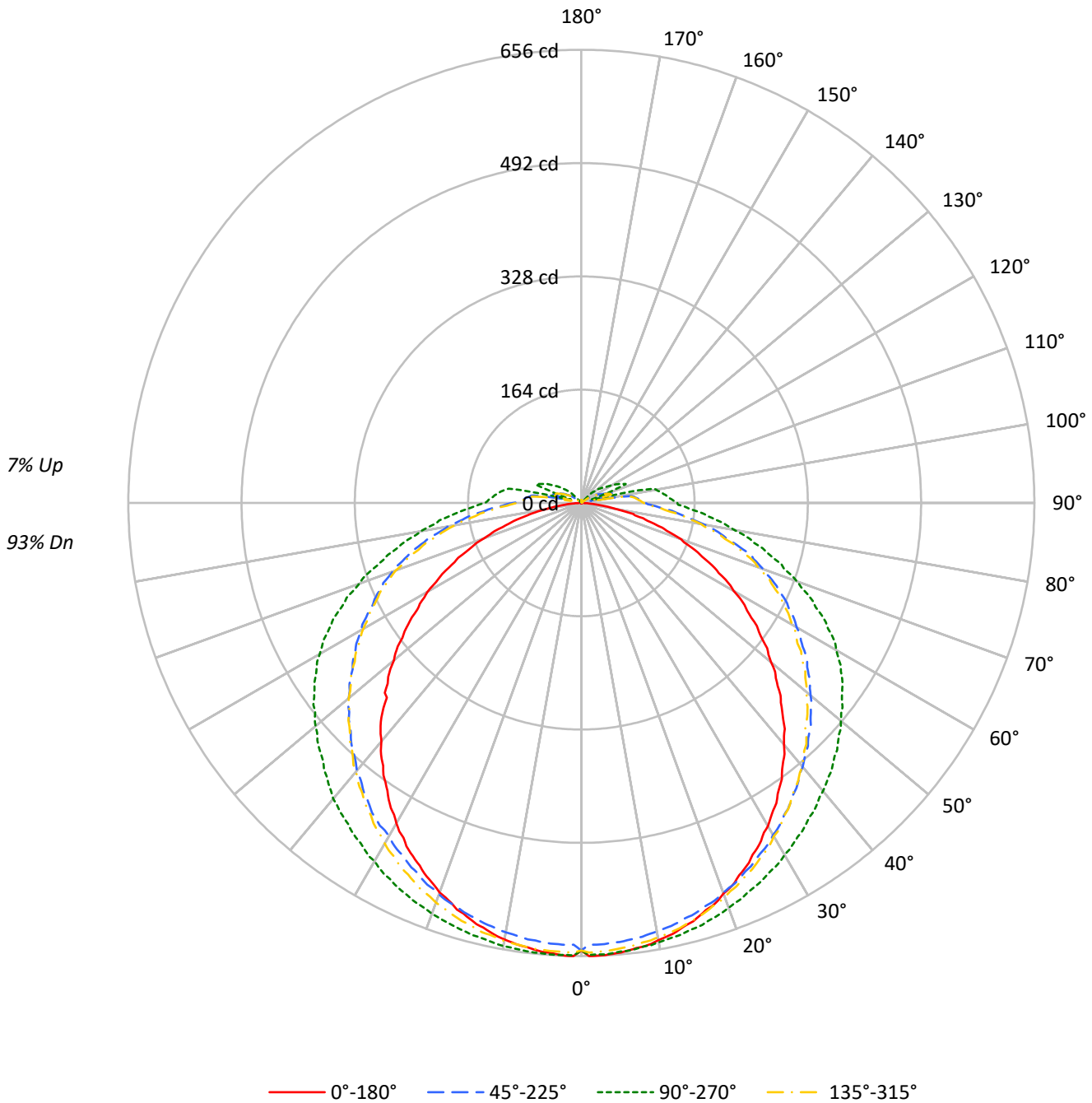
Lumens per Lamp: N/A
Luminaire Lumens: 2375.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 2' x H: 0.11')
CIE Type: Direct

Input Watts (W): 19.1
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: P571641
CATALOG NUMBER: 2ST2L20SC3-5000K

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°	11957	11957	11957	11957
5°	12042	11693	12027	11742
10°	11927	11358	11908	11453
15°	11801	11067	11741	11175
20°	11591	10785	11554	10948
25°	11411	10548	11309	10732
30°	11165	10323	11064	10508
35°	10867	10143	10728	10370
40°	10518	9998	10375	10266
45°	10117	9866	9865	10056
50°	9675	9760	9551	10001
55°	9263	9703	9143	9913
60°	8593	9567	8685	9821
65°	7992	9330	7925	9632
70°	7237	8884	7058	9143
75°	5889	8318	6031	8665
80°	4260	7697	4276	8066
85°	2223	7176	2328	7459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	2.6
10°-20°	176.5	7.4
20°-30°	270.5	11.4
30°-40°	333.3	14.0
40°-50°	359.9	15.2
50°-60°	350.6	14.8
60°-70°	307.0	12.9
70°-80°	228.2	9.6
80°-90°	132.4	5.6
90°-100°	76.0	3.2
100°-110°	28.0	1.2
110°-120°	28.8	1.2
120°-130°	15.2	0.6
130°-140°	4.1	0.2
140°-150°	0.9	0.0
150°-160°	1.0	0.0
160°-170°	0.9	0.0
170°-180°	0.4	0.0
0°-30°	508.3	21.4
0°-40°	841.7	35.4
0°-60°	1552.1	65.4
0°-90°	2219.8	93.5
90°-120°	132.8	5.6
90°-150°	153.0	6.4
90°-180°	155.0	6.5
0°-180°	2375.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	648	648	648	648	648	
5°	653	652	652	654	653	62
15°	627	637	624	643	627	177
25°	575	608	570	618	575	264
35°	501	567	494	580	501	313
45°	409	518	398	528	409	316
55°	310	462	306	472	310	276
65°	204	384	203	396	204	201
75°	99	278	102	290	99	107
85°	17	178	18	185	17	21
90°	1	139	2	140	1	1
95°	0	124	1	126	0	1
105°	0	19	0	19	0	0
115°	0	66	1	65	0	0
125°	0	40	0	42	0	0
135°	0	19	1	17	0	0
145°	1	1	1	1	1	1
155°	2	2	2	2	2	1
165°	4	3	3	3	4	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



TEST NUMBER: P571641
 CATALOG NUMBER: 2ST2L20SC3-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0
1°	656.1	625.1	639.7	657.8	654.5	643.5	651.0	650.4	656.1	625.1	639.7
2°	655.9	624.8	640.0	657.5	654.0	642.6	650.2	650.2	655.9	624.8	640.2
3°	655.6	624.6	639.4	657.2	654.3	641.8	649.9	649.7	654.5	624.3	639.7
4°	654.3	623.7	638.1	656.7	653.4	641.6	648.8	648.6	652.9	623.2	639.4
5°	653.2	622.7	638.1	655.9	651.8	640.7	647.2	647.0	652.4	622.1	638.3
6°	651.5	621.9	636.5	654.5	651.8	638.9	646.4	646.2	650.2	621.6	637.0
7°	649.4	620.0	635.4	653.4	650.4	638.3	644.8	644.2	647.8	619.5	636.5
8°	648.3	618.4	634.0	652.4	648.3	636.5	642.4	641.3	646.4	617.0	634.5
9°	646.2	616.5	631.6	650.4	648.0	634.5	641.3	639.4	644.0	615.6	632.4
10°	642.6	613.8	629.9	649.4	645.9	633.5	638.6	637.8	641.6	613.0	631.3
11°	640.0	612.1	627.8	647.8	644.0	631.6	636.7	634.3	639.1	610.0	628.9
12°	637.8	608.7	626.2	645.3	642.6	629.2	634.3	630.3	635.1	605.9	626.4
13°	633.5	604.9	623.2	644.0	641.3	627.3	632.1	628.6	631.0	604.1	624.6
14°	629.4	603.0	619.7	641.0	638.6	625.1	628.3	624.3	628.3	602.2	621.3
15°	626.7	598.9	618.1	637.8	637.0	622.4	625.1	619.7	623.5	598.1	618.9
16°	621.6	596.5	614.9	635.9	635.4	619.7	622.4	617.0	618.6	593.5	616.5
17°	616.5	593.0	610.8	632.7	631.9	617.6	618.6	612.7	615.6	590.6	612.4
18°	613.5	588.4	608.7	628.9	629.7	614.0	614.3	607.0	609.2	587.0	609.7
19°	608.7	584.1	605.4	628.1	627.0	611.6	611.6	603.8	604.1	581.7	607.0
20°	601.9	580.8	600.6	624.0	623.5	608.4	607.0	599.5	600.0	577.1	603.0
21°	597.9	575.5	596.8	620.8	620.2	604.9	602.2	592.5	593.3	573.8	598.4
22°	592.7	570.4	593.8	618.4	618.1	602.2	598.9	588.4	587.6	569.0	596.0
23°	585.2	566.9	589.0	613.8	613.8	598.1	593.5	583.3	582.5	562.5	590.9
24°	580.3	560.3	583.8	610.0	610.5	594.6	589.0	576.8	574.9	559.0	585.4
25°	574.6	554.7	580.6	607.3	607.8	591.4	585.2	573.0	569.5	553.1	582.2
26°	566.3	550.9	574.9	601.9	604.3	586.8	580.1	565.2	563.9	546.0	577.1
27°	560.9	543.9	570.1	597.6	600.0	584.9	573.8	558.7	557.7	542.0	571.7
28°	554.2	537.7	566.3	594.6	597.1	581.2	570.1	553.9	548.7	536.1	568.5
29°	545.5	533.4	561.7	589.0	593.8	577.6	564.7	545.8	543.6	528.5	563.3
30°	540.4	527.1	555.2	584.4	588.4	572.0	557.4	539.0	535.5	523.7	557.1
31°	532.1	519.6	550.9	578.4	585.2	569.0	553.6	533.7	526.4	517.4	552.8
32°	524.5	514.5	546.0	574.9	580.6	564.1	546.6	524.7	520.7	509.6	550.6
33°	518.5	509.6	539.0	570.6	575.7	558.7	539.6	518.0	512.3	506.4	545.5
34°	508.3	499.6	534.7	566.0	572.8	555.5	535.3	511.8	502.1	497.5	541.5
35°	500.7	494.3	528.8	561.2	567.4	550.4	528.5	502.4	494.3	490.5	534.5
36°	494.0	487.2	521.8	556.3	562.0	544.4	520.4	494.8	487.5	485.4	528.2
37°	482.9	478.0	517.2	552.2	559.0	541.2	516.1	486.7	476.7	476.4	523.9
38°	474.8	472.7	510.7	547.1	554.2	536.3	509.9	480.8	470.0	469.2	516.1
39°	467.8	464.8	503.1	540.7	548.0	531.5	502.9	470.5	461.6	463.7	510.2
40°	456.5	455.1	498.6	537.2	544.4	528.0	498.0	462.4	450.3	454.0	505.6
41°	447.1	449.8	491.8	531.0	539.8	521.5	489.7	455.9	443.2	446.2	497.8
42°	440.3	441.9	486.2	524.2	534.5	516.1	482.4	445.2	434.4	440.6	491.3
43°	428.4	435.7	481.0	520.2	531.0	512.1	477.8	437.1	424.7	430.9	486.4
44°	418.5	427.9	472.9	514.2	524.5	504.8	468.9	430.3	412.5	423.3	480.2



TEST NUMBER: P571641
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	408.7	417.6	467.3	507.0	518.5	498.9	458.4	417.6	398.5	412.8	472.1
46°	401.2	411.7	461.9	502.6	514.8	491.8	453.3	411.4	395.8	406.3	465.1
47°	388.8	402.8	453.8	496.7	508.0	487.5	447.8	404.7	383.7	398.5	460.5
48°	379.1	392.8	447.3	489.4	501.8	481.6	440.8	393.6	376.3	392.3	452.2
49°	371.8	386.6	441.6	483.5	497.8	477.3	431.7	384.7	366.6	381.8	447.3
50°	358.8	377.7	433.3	479.1	490.5	469.7	426.0	378.2	354.2	373.4	440.0
51°	348.8	367.2	425.7	472.4	484.3	463.7	419.2	369.1	346.7	365.3	431.7
52°	341.3	358.8	420.6	464.8	480.0	458.6	411.4	358.0	337.3	358.6	426.0
53°	328.3	351.8	412.0	460.0	472.4	453.3	406.0	352.1	324.3	348.0	418.7
54°	317.8	341.3	404.2	453.3	466.7	445.4	396.9	342.6	316.4	341.8	409.5
55°	310.2	334.6	399.0	445.2	461.6	440.3	389.3	331.8	306.2	332.9	404.2
56°	297.0	326.2	391.7	440.6	455.7	434.4	383.9	325.1	295.9	322.4	397.4
57°	286.2	317.3	382.3	433.5	448.1	426.5	372.9	316.4	283.0	309.2	389.9
58°	278.4	306.5	375.0	425.2	442.7	419.8	367.2	305.4	275.7	307.0	384.4
59°	268.2	300.0	369.6	419.8	433.8	415.0	361.8	298.9	265.5	296.5	375.6
60°	254.7	290.8	359.9	412.8	426.0	406.0	352.6	290.3	257.4	288.2	367.7
61°	246.8	284.4	354.0	406.8	420.6	399.3	345.4	279.2	244.7	281.6	362.3
62°	236.3	274.1	346.7	396.6	411.7	393.4	339.4	272.8	234.2	271.2	353.2
63°	223.1	265.2	337.3	388.5	400.9	383.1	330.0	264.7	226.3	262.2	345.6
64°	215.0	258.7	331.6	377.2	393.9	375.0	323.5	253.9	213.1	256.0	335.9
65°	204.3	248.2	323.5	370.4	383.9	368.3	317.5	247.9	202.6	247.1	330.5
66°	191.3	239.6	313.2	361.3	371.8	359.1	307.3	238.7	195.1	236.6	323.2
67°	183.2	233.1	307.0	351.0	364.2	347.5	299.2	230.4	181.6	230.4	313.2
68°	172.7	222.6	298.1	343.4	354.0	340.2	293.3	219.6	171.3	222.1	309.5
69°	159.4	214.5	287.3	331.1	340.8	330.2	282.0	213.1	163.2	211.2	299.2
70°	154.1	208.0	280.6	320.3	332.7	317.5	272.5	204.8	150.3	205.0	290.3
71°	140.8	197.7	271.2	312.4	322.1	309.7	266.0	198.3	140.0	197.0	283.8
72°	130.3	189.6	262.2	298.9	308.4	298.9	256.3	188.0	132.2	186.7	272.5
73°	122.5	183.8	257.4	287.9	302.7	284.9	244.7	179.9	119.3	180.8	263.3
74°	109.6	175.4	242.6	279.8	289.2	276.8	237.1	174.0	109.3	172.7	256.3
75°	99.3	165.6	232.3	266.0	278.4	266.3	226.9	164.5	101.7	162.9	244.7
76°	92.0	157.6	218.8	255.5	270.6	252.8	214.2	156.5	92.3	154.8	234.5
77°	79.6	151.1	211.0	247.4	257.1	245.0	206.4	150.3	79.9	148.9	226.9
78°	77.1	140.0	202.9	233.4	249.3	234.2	196.1	140.0	72.9	141.1	214.2
79°	63.4	131.1	192.9	222.8	238.0	223.9	183.2	131.1	63.9	134.6	203.7
80°	52.4	124.1	180.5	215.3	225.0	216.1	175.9	122.2	52.6	123.8	196.1
81°	44.0	112.2	169.5	204.8	214.7	203.4	165.4	115.4	46.4	115.4	183.4
82°	37.8	103.1	156.2	191.8	207.5	193.5	152.4	103.9	38.6	108.7	173.7
83°	30.2	96.0	148.6	184.3	194.8	186.4	147.3	96.9	29.1	97.4	165.9
84°	21.6	84.5	138.9	177.0	184.8	174.6	134.9	87.7	24.0	88.5	155.9
85°	17.0	78.0	131.9	166.7	177.8	164.3	123.0	76.9	17.8	81.5	143.0
86°	10.5	69.3	120.0	154.8	165.9	157.3	116.5	68.0	11.3	70.7	135.4
87°	6.5	59.1	110.9	145.4	156.5	145.1	107.1	61.2	8.9	62.6	125.7
88°	4.3	53.4	104.1	134.3	149.7	136.8	98.5	51.5	4.6	56.4	114.4
89°	1.9	46.4	96.3	129.0	140.0	130.3	93.6	44.8	2.4	47.2	107.9



TEST NUMBER: P571641
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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	43.7	92.5	126.2	138.9	123.3	90.1	42.1	1.6	41.6	99.0
91°	0.8	41.8	90.4	124.1	134.9	121.4	87.7	40.5	1.3	39.9	89.8
92°	1.1	39.1	88.5	120.9	131.9	119.0	85.8	38.6	0.8	37.0	87.4
93°	1.1	37.2	84.7	118.2	128.4	117.4	83.1	37.2	1.1	35.6	84.7
94°	0.8	35.9	82.8	115.2	126.2	114.1	80.6	34.8	1.1	34.0	82.8
95°	0.5	24.6	80.6	113.3	123.6	112.2	79.3	22.9	0.8	27.8	81.5
96°	0.8	14.6	78.0	110.6	120.4	109.8	76.4	17.2	0.8	17.0	78.2
97°	0.8	13.0	76.6	107.4	118.2	106.8	73.9	14.3	0.8	15.1	75.5
98°	0.8	13.7	72.3	105.5	115.8	105.0	69.9	16.5	0.8	15.4	74.2
99°	0.5	19.7	50.4	102.2	112.2	102.5	48.6	19.7	0.8	19.2	68.5
100°	0.5	19.4	32.1	99.3	110.1	99.0	23.2	18.9	0.5	18.6	53.4
101°	0.5	18.3	15.9	89.8	107.4	95.8	18.6	17.8	0.5	17.6	38.8
102°	0.5	17.2	15.1	61.8	92.5	79.3	16.7	16.7	0.8	16.7	21.3
103°	0.5	15.9	13.7	34.8	75.5	50.2	15.6	15.6	0.8	15.9	19.4
104°	0.5	15.1	14.6	15.9	43.4	24.3	16.7	14.6	0.8	15.1	18.6
105°	0.5	13.7	26.4	13.2	18.6	16.5	30.8	14.0	0.5	13.7	21.8
106°	0.5	13.2	38.6	12.7	16.5	15.9	45.1	13.0	0.5	13.0	32.9
107°	0.3	12.1	46.9	12.1	15.6	14.8	44.2	11.9	0.5	11.6	42.3
108°	0.5	10.8	44.8	14.8	15.4	14.0	42.9	11.3	0.5	10.8	43.7
109°	0.3	10.0	43.4	25.1	15.1	19.4	41.0	10.3	0.5	9.7	41.8
110°	0.5	9.2	40.7	42.6	25.1	38.3	39.4	8.9	0.5	8.4	40.5
111°	0.5	7.3	38.1	63.1	41.8	51.8	36.1	8.1	0.5	5.4	38.1
112°	0.5	5.1	36.1	62.6	55.9	61.8	33.7	4.9	0.3	3.5	36.7
113°	0.5	2.4	33.5	60.1	69.9	60.4	32.1	2.2	0.5	2.2	35.4
114°	0.5	1.6	31.5	58.0	67.4	57.5	29.9	1.9	0.5	1.9	34.0
115°	0.3	1.6	30.2	56.1	65.8	55.0	28.3	1.6	0.8	1.6	31.9
116°	0.3	1.3	28.9	52.9	63.1	51.8	27.8	1.3	0.5	1.3	30.5
117°	0.3	0.8	27.0	49.9	59.6	49.6	26.4	1.1	0.5	0.8	29.1
118°	0.5	0.8	26.2	47.5	57.7	46.9	25.1	0.8	0.5	0.8	26.7
119°	0.3	0.8	24.6	44.2	54.2	44.8	23.8	0.8	0.5	0.8	25.9
120°	0.3	0.8	22.4	42.3	50.7	42.3	22.7	0.8	0.5	0.8	23.8
121°	0.5	0.8	21.1	39.7	48.3	39.4	20.8	0.8	0.5	0.8	22.1
122°	0.5	0.5	20.0	38.3	45.6	37.8	19.4	0.8	0.5	0.8	20.8
123°	0.3	0.5	17.8	36.4	42.9	36.4	18.1	0.3	0.5	0.8	18.9
124°	0.3	0.5	16.5	34.3	41.6	34.3	15.9	0.8	0.8	0.8	17.0
125°	0.3	0.5	15.4	32.9	39.7	32.6	14.6	0.5	0.5	0.5	16.2
126°	0.5	0.3	11.3	31.0	37.0	31.3	11.0	0.8	0.5	0.5	12.4
127°	0.5	0.8	6.8	29.1	35.9	29.4	5.4	0.5	0.5	0.5	8.1
128°	0.3	0.5	3.8	27.8	33.5	27.5	3.8	0.5	0.5	0.5	5.1
129°	0.5	0.5	2.2	25.4	32.4	26.4	2.4	0.5	0.5	0.8	2.7
130°	0.5	0.5	1.9	23.2	29.9	24.3	1.9	0.5	0.5	0.8	2.7
131°	0.5	0.8	1.9	21.8	27.8	22.1	1.9	0.8	0.8	0.5	2.2
132°	0.5	0.5	1.3	19.4	24.8	20.8	1.6	0.8	0.8	0.8	1.6
133°	0.5	0.5	1.1	17.6	24.3	18.9	1.3	1.1	0.8	0.8	1.3
134°	0.5	0.8	0.8	13.0	21.6	13.7	1.1	0.5	0.5	0.8	1.3



TEST NUMBER: P571641
 CATALOG NUMBER: 2ST2L20SC3-5000K

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	10.0	18.9	10.0	0.8	0.8	0.8	0.8	1.1
136°	0.8	0.5	1.1	3.5	15.1	4.9	0.8	0.8	0.5	0.8	1.1
137°	0.5	0.5	0.8	2.4	7.5	2.9	0.8	0.8	0.8	0.8	1.1
138°	0.8	0.8	0.8	2.2	4.0	2.7	0.8	0.8	0.8	0.8	1.1
139°	0.8	0.8	0.8	2.2	2.9	2.2	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	2.2	1.6	1.1	1.1	1.1	1.3	1.3
142°	1.1	1.1	1.1	1.3	2.2	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°	2.2	2.2	1.9	1.9	2.2	1.9	1.9	1.6	1.9	1.9	1.9
154°	2.2	2.2	2.2	1.9	2.2	1.9	1.6	1.9	1.9	1.9	2.2
155°	2.2	2.4	2.4	1.9	2.2	1.9	1.9	2.2	2.2	2.2	1.9
156°	2.2	2.2	2.4	2.4	2.2	2.2	1.9	2.2	2.2	2.2	1.9
157°	2.4	2.4	2.4	2.4	2.4	1.9	2.2	2.4	2.2	2.2	2.2
158°	2.4	2.7	2.4	2.4	2.7	2.2	2.4	2.2	2.4	2.4	2.2
159°	2.7	2.7	2.4	2.7	2.7	2.4	2.4	2.4	2.4	2.4	2.4
160°	2.7	2.7	2.9	2.4	2.7	2.2	2.4	2.4	2.7	2.4	2.4
161°	2.7	2.9	2.7	2.9	2.7	2.4	2.7	2.4	2.7	2.7	2.4
162°	2.9	2.9	2.9	2.9	2.9	2.4	2.7	2.4	2.7	2.4	2.4
163°	2.9	2.9	3.3	2.9	2.9	2.7	2.7	2.9	2.7	2.7	2.7
164°	3.3	3.3	3.5	3.3	3.3	2.9	2.9	2.7	2.9	2.9	2.4
165°	3.5	3.3	3.5	3.5	2.9	2.7	2.9	2.9	2.9	2.9	2.9
166°	3.3	3.5	3.5	3.5	3.3	2.9	2.9	3.3	2.9	2.9	2.7
167°	3.5	3.5	3.8	3.5	3.5	2.9	3.5	3.3	2.9	3.3	3.3
168°	3.5	3.5	3.8	3.8	3.5	2.9	3.5	3.3	3.3	3.3	3.3
169°	3.8	4.0	4.0	4.0	3.8	3.3	3.3	3.5	3.5	3.3	3.3
170°	3.8	3.8	4.3	4.0	3.8	3.5	3.8	3.5	3.8	3.5	3.3
171°	4.0	4.0	4.3	4.0	4.0	3.8	3.5	3.5	3.5	3.8	3.5
172°	4.0	3.8	4.0	4.0	3.8	4.0	3.8	3.8	3.5	3.5	3.5
173°	4.3	4.3	4.3	4.3	3.8	4.0	3.8	4.0	3.8	3.8	3.8
174°	4.0	4.3	4.3	4.3	4.0	4.0	4.0	3.8	3.8	3.8	3.8
175°	4.3	4.3	4.3	4.3	4.3	4.0	4.0	4.0	3.8	4.0	4.0
176°	4.0	4.3	4.0	4.0	4.0	4.0	4.0	4.0	3.8	4.0	3.8
177°	4.3	4.3	4.3	4.3	4.3	4.0	3.8	3.8	4.0	4.0	3.8
178°	4.0	4.0	4.3	4.3	4.3	3.8	4.0	4.0	4.0	4.0	3.8
179°	4.3	4.3	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.0



TEST NUMBER: P571641
CATALOG NUMBER: 2ST2L20SC3-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2



TEST NUMBER: P571641
 CATALOG NUMBER: 2ST2L20SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	648.0	648.0	648.0	648.0	648.0	648.0
1°	658.0	655.0	643.5	650.8	651.0	656.1
2°	658.5	654.5	643.5	650.8	651.0	655.9
3°	658.0	655.3	643.7	650.2	650.8	655.6
4°	658.0	655.0	643.2	650.2	650.4	654.3
5°	657.8	654.5	642.6	649.1	649.1	653.2
6°	656.7	654.3	642.6	649.1	647.8	651.5
7°	655.6	653.7	641.6	647.8	646.7	649.4
8°	654.3	652.6	640.7	646.2	644.6	648.3
9°	653.7	651.8	639.4	645.1	642.1	646.2
10°	651.8	651.3	638.9	643.7	641.0	642.6
11°	649.9	649.9	637.2	641.3	638.3	640.0
12°	648.8	647.8	635.1	639.1	634.8	637.8
13°	647.0	645.9	634.3	637.8	632.4	633.5
14°	644.6	645.3	631.9	634.8	629.7	629.4
15°	642.9	643.2	629.4	631.3	625.7	626.7
16°	640.7	641.6	628.1	629.4	622.4	621.6
17°	638.6	639.1	625.9	625.9	618.9	616.5
18°	636.2	637.2	622.7	621.9	614.6	613.5
19°	632.9	634.8	621.9	618.6	611.6	608.7
20°	629.7	632.9	618.4	615.6	605.9	601.9
21°	626.2	629.2	615.4	610.8	600.8	597.9
22°	624.3	627.0	613.5	607.3	597.1	592.7
23°	620.0	624.8	609.2	604.1	590.6	585.2
24°	615.4	621.1	605.4	598.7	585.4	580.3
25°	612.7	618.4	603.5	593.5	580.8	574.6
26°	608.9	615.1	598.9	590.0	573.0	566.3
27°	603.8	610.8	594.6	584.9	567.6	560.9
28°	601.1	608.4	591.6	579.0	562.8	554.2
29°	597.3	604.1	587.3	575.2	554.7	545.5
30°	592.5	598.9	582.8	569.5	548.2	540.4
31°	589.8	596.8	577.6	562.8	542.8	532.1
32°	584.1	592.2	574.1	558.2	535.5	524.5
33°	579.2	587.0	570.4	552.8	530.7	518.5
34°	575.7	584.1	565.2	545.0	521.0	508.3
35°	569.5	580.1	562.3	540.4	513.2	500.7
36°	564.4	574.6	556.1	534.5	503.5	494.0
37°	560.6	571.1	550.9	526.6	497.5	482.9
38°	554.4	567.4	548.0	521.5	489.1	474.8
39°	549.3	562.3	544.4	515.0	478.6	467.8
40°	545.0	559.0	536.6	507.7	472.4	456.5
41°	538.5	552.6	532.8	502.9	464.1	447.1
42°	533.4	547.1	526.1	494.5	453.5	440.3
43°	529.1	540.7	521.5	487.2	446.8	428.4
44°	521.5	536.6	516.4	482.4	438.7	418.5



TEST NUMBER: P571641
 CATALOG NUMBER: 2ST2L20SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	516.1	528.5	509.4	473.5	428.2	408.7
46°	511.8	523.9	504.0	466.7	421.2	401.2
47°	505.3	519.6	499.4	461.3	412.5	388.8
48°	497.8	514.2	493.4	452.4	402.8	379.1
49°	493.4	507.0	485.6	445.7	391.7	371.8
50°	486.2	502.6	481.3	440.0	385.3	358.8
51°	479.1	496.7	474.8	430.6	376.1	348.8
52°	474.5	489.1	467.0	423.3	364.8	341.3
53°	467.3	485.9	462.7	417.6	357.5	328.3
54°	459.5	478.4	455.9	409.8	348.8	317.8
55°	454.3	471.6	447.8	400.7	337.5	310.2
56°	448.1	466.7	443.2	395.0	330.5	297.0
57°	439.5	458.4	436.8	387.4	321.6	286.2
58°	434.1	451.9	428.4	378.0	310.5	278.4
59°	427.9	446.2	425.2	372.3	303.5	268.2
60°	420.3	437.3	416.8	365.0	294.6	254.7
61°	415.5	429.8	409.3	355.6	288.2	246.8
62°	404.9	423.0	404.2	348.0	277.4	236.3
63°	396.6	412.5	394.5	342.6	267.7	223.1
64°	386.1	403.3	386.1	332.9	259.3	215.0
65°	379.1	396.3	379.6	325.4	252.5	204.3
66°	369.9	384.7	368.8	319.4	241.7	191.3
67°	358.0	373.7	359.3	311.3	233.4	183.2
68°	350.5	366.6	352.3	300.8	226.6	172.7
69°	340.8	353.7	339.7	294.3	215.8	159.4
70°	327.5	342.4	329.4	285.7	207.5	154.1
71°	319.2	334.0	321.6	274.1	200.7	140.8
72°	308.6	322.7	311.3	267.1	190.5	130.3
73°	297.6	308.9	297.3	257.9	181.6	122.5
74°	289.5	298.1	288.9	245.5	175.6	109.6
75°	275.7	290.0	278.1	238.0	165.4	99.3
76°	265.2	276.3	264.4	227.9	157.0	92.0
77°	257.1	267.9	256.3	214.7	151.1	79.6
78°	243.3	257.1	245.5	206.9	143.0	77.1
79°	232.3	244.2	232.3	196.4	132.5	63.4
80°	224.2	235.8	224.5	185.9	125.5	52.4
81°	211.0	225.3	214.0	178.1	116.8	44.0
82°	200.4	212.3	200.7	164.9	105.2	37.8
83°	192.9	207.2	193.2	154.6	97.7	30.2
84°	180.2	194.5	183.4	147.0	88.8	21.6
85°	170.5	184.8	174.0	134.1	81.7	17.0
86°	163.2	175.1	162.1	126.8	70.7	10.5
87°	153.8	165.6	155.4	117.6	62.1	6.5
88°	142.2	155.9	146.2	107.1	52.4	4.3
89°	135.4	148.9	139.2	100.9	47.2	1.9



TEST NUMBER: P571641
 CATALOG NUMBER: 2ST2L20SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	126.8	139.5	127.9	92.5	41.8	1.1
91°	122.0	136.3	123.0	88.2	40.2	0.8
92°	120.0	134.3	119.8	85.8	37.5	1.1
93°	116.0	130.6	117.9	84.2	35.9	1.1
94°	113.8	128.1	114.9	81.2	31.9	0.8
95°	112.2	126.2	111.7	78.8	23.2	0.5
96°	110.1	123.0	109.8	77.1	14.0	0.8
97°	107.6	120.0	107.4	75.0	12.7	0.8
98°	105.7	117.9	103.9	66.3	15.4	0.8
99°	102.5	114.4	102.2	53.1	18.6	0.5
100°	97.7	111.4	99.3	30.5	17.6	0.5
101°	87.7	107.4	87.7	17.0	17.2	0.5
102°	54.8	90.4	72.0	15.9	16.5	0.5
103°	35.9	59.4	40.5	14.8	15.4	0.5
104°	21.6	39.1	17.2	21.8	14.6	0.5
105°	17.8	18.6	15.1	31.9	13.5	0.5
106°	17.8	17.0	14.0	45.6	13.5	0.5
107°	17.0	16.5	13.2	44.8	11.9	0.3
108°	16.5	15.9	15.1	44.2	10.3	0.5
109°	21.6	21.3	30.8	41.0	9.4	0.3
110°	35.4	32.6	48.3	39.1	8.1	0.5
111°	52.0	50.7	60.1	38.1	4.6	0.5
112°	62.1	70.7	60.7	36.1	2.9	0.5
113°	60.1	70.7	58.3	34.3	2.2	0.5
114°	58.3	68.0	56.4	32.9	1.3	0.5
115°	55.9	64.7	54.5	30.8	1.3	0.3
116°	54.2	63.1	51.8	29.1	1.1	0.3
117°	51.5	60.1	50.2	27.8	1.1	0.3
118°	49.6	58.0	48.3	25.4	0.8	0.5
119°	47.8	56.4	45.8	24.0	0.8	0.3
120°	45.6	53.4	44.0	22.9	0.8	0.3
121°	43.4	50.7	42.1	20.8	0.8	0.5
122°	41.6	48.6	39.4	19.2	0.8	0.5
123°	39.4	45.8	37.8	17.8	0.5	0.3
124°	36.7	43.4	35.6	16.2	0.5	0.3
125°	35.4	41.8	34.0	12.4	0.8	0.3
126°	32.6	39.1	32.4	9.4	0.5	0.5
127°	30.5	36.4	29.7	4.9	0.5	0.5
128°	28.9	35.1	27.5	2.7	0.5	0.3
129°	27.0	31.5	25.9	2.2	0.5	0.5
130°	24.6	29.7	23.5	1.9	0.5	0.5
131°	22.9	28.0	21.3	1.6	0.3	0.5
132°	20.8	25.6	19.7	1.3	0.8	0.5
133°	17.0	22.9	14.6	1.3	0.8	0.5
134°	13.7	21.3	9.4	1.1	0.5	0.5



TEST NUMBER: P571641
 CATALOG NUMBER: 2ST2L20SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	8.1	17.0	6.2	0.8	0.5	0.5
136°	4.0	10.0	2.9	0.8	0.8	0.8
137°	2.9	6.2	2.4	0.8	0.8	0.5
138°	2.7	3.8	2.7	0.8	1.1	0.8
139°	2.2	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	2.2	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	2.2	1.9	1.6
153°	1.9	1.6	1.9	2.2	2.2	2.2
154°	1.9	2.2	2.2	1.9	1.9	2.2
155°	1.9	2.2	2.2	2.2	2.2	2.2
156°	1.9	2.4	2.2	2.4	2.4	2.2
157°	2.2	2.4	2.7	2.4	2.4	2.4
158°	2.4	2.2	2.2	2.4	2.7	2.4
159°	2.4	2.4	2.2	2.4	2.7	2.7
160°	2.2	2.4	2.7	2.7	2.7	2.7
161°	2.7	2.7	2.7	2.7	2.7	2.7
162°	2.4	2.4	2.7	2.9	2.9	2.9
163°	2.7	2.9	2.9	2.9	2.9	2.9
164°	2.7	2.7	2.9	2.9	3.3	3.3
165°	2.4	2.9	3.3	3.3	3.3	3.5
166°	2.9	2.9	3.3	3.3	3.5	3.3
167°	2.9	3.3	3.3	3.5	3.5	3.5
168°	3.3	3.3	3.5	3.5	3.8	3.5
169°	3.5	3.5	3.8	3.8	3.8	3.8
170°	3.5	3.5	3.5	3.5	3.8	3.8
171°	3.5	3.8	3.8	3.5	3.8	4.0
172°	3.5	4.0	3.8	3.8	3.8	4.0
173°	3.8	4.0	3.8	4.0	3.8	4.3
174°	3.8	4.0	4.0	4.0	4.0	4.0
175°	4.0	4.0	4.0	4.0	4.0	4.3
176°	4.0	4.0	3.8	4.0	4.3	4.0
177°	3.8	4.0	4.3	4.0	4.0	4.3
178°	4.0	4.3	4.3	4.3	4.0	4.0
179°	4.3	4.3	4.0	4.0	4.3	4.3



TEST NUMBER: P571641
CATALOG NUMBER: 2ST2L20SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	4.2	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)