

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P544616

Luminaire Tested: **4SLES-2-T8-2G-B835-U**

Issue Date: 7/2/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P544616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-256-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/2/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SLES-2-T8-2G-B835-U  
Description: 80CRI 3500K TLED Strip  
Light Source: MainsFit Glass TLED - (2) 4FT 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3531.1 lumens  
Efficiency: N/A  
Efficacy: 147.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.36 / 1.44  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Direct

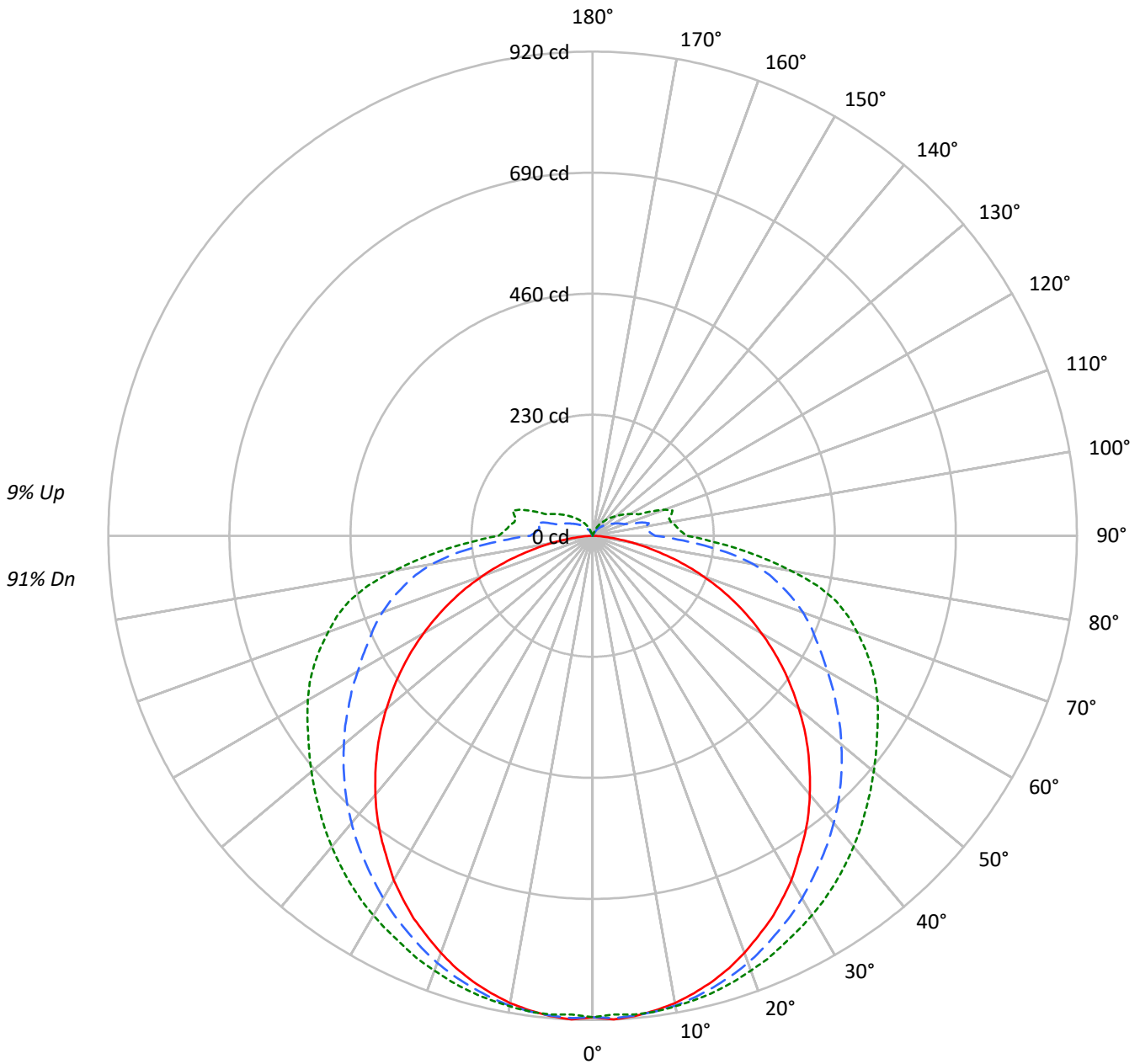
Input Watts (W): 24  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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	113	113	113	113	106	106	106	100	100	100	94	94	94	94	94	94	91
1	104	98	93	89	101	95	91	86	89	86	82	84	81	78	79	76	74	74	74	74	71
2	94	84	77	70	90	82	75	69	77	71	66	72	67	63	68	64	60	60	60	60	57
3	85	73	64	57	81	71	63	56	67	60	54	63	57	52	59	54	50	50	50	50	47
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	47	42	42	42	42	39
5	71	57	48	40	68	55	47	40	52	45	39	49	43	37	47	41	36	36	36	36	34
6	65	51	42	35	63	50	41	35	47	39	33	44	38	32	42	36	32	32	32	32	29
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	28	28	28	26
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	25	25	25	23
9	52	39	30	24	50	38	30	24	36	29	23	34	28	23	32	27	22	22	22	22	20
10	49	35	27	22	47	35	27	22	33	26	21	31	25	21	30	24	20	20	20	20	18

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

	0°	45°	90°
0°	4922	4922	4922
5°	4949	4945	4934
10°	4928	4953	4961
15°	4888	4948	4997
20°	4829	4946	5035
25°	4769	4935	5088
30°	4695	4944	5177
35°	4602	4959	5285
40°	4510	5006	5417
45°	4405	5072	5590
50°	4282	5164	5836
55°	4154	5309	6189
60°	3989	5541	6726
65°	3785	5966	7438
70°	3489	6688	8411
75°	3026	7735	9954
80°	2424	9611	11864
85°	1470	13184	16920



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.8	2.5
10°-20°	250.0	7.1
20°-30°	382.5	10.8
30°-40°	471.2	13.3
40°-50°	509.9	14.4
50°-60°	500.5	14.2
60°-70°	451.6	12.8
70°-80°	362.2	10.3
80°-90°	206.8	5.9
90°-100°	105.3	3.0
100°-110°	88.1	2.5
110°-120°	53.3	1.5
120°-130°	33.2	0.9
130°-140°	18.6	0.5
140°-150°	8.8	0.3
150°-160°	2.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	719.3	20.4
0°-40°	1190.5	33.7
0°-60°	2200.9	62.3
0°-90°	3221.6	91.2
90°-120°	246.7	7.0
90°-150°	307.4	8.7
90°-180°	309.0	8.8
0°-180°	3531.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	916	909	915	910	913	87
15°	877	876	888	892	897	247
25°	803	809	831	846	857	370
35°	700	716	755	786	804	438
45°	579	607	666	711	734	446
55°	443	488	566	629	660	395
65°	297	363	468	552	584	294
75°	146	245	372	450	479	156
85°	24	137	214	258	274	31
90°	0	57	119	162	179	1
95°	0	49	106	147	162	0
105°	0	27	98	145	154	0
115°	0	18	55	85	97	0
125°	0	12	39	61	70	0
135°	0	2	26	42	48	0
145°	0	0	14	26	31	0
155°	1	0	0	9	15	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	914.6	914.6	914.6	914.6	914.6
2.5°	920.0	911.9	917.3	912.6	910.5
5°	916.0	909.2	915.3	910.5	913.2
7.5°	909.8	904.4	911.9	908.5	911.9
10°	901.7	896.9	906.4	903.7	907.8
12.5°	890.1	887.4	898.3	898.3	903.0
15°	877.2	875.8	888.1	891.5	896.9
17.5°	861.6	862.2	876.5	882.6	888.8
20°	843.2	846.6	863.6	870.4	879.2
22.5°	822.8	828.9	848.0	857.5	869.7
25°	803.1	809.2	831.0	845.9	856.8
27.5°	779.3	788.1	814.6	833.0	845.2
30°	755.5	765.0	795.6	818.7	833.0
32.5°	726.9	741.2	775.2	802.4	819.4
35°	700.4	716.0	754.8	786.1	804.4
37.5°	672.5	690.2	734.4	769.1	788.1
40°	641.9	663.0	712.6	750.0	771.1
42.5°	610.6	635.1	690.2	730.3	753.4
45°	578.7	606.6	666.4	710.6	734.4
47.5°	546.0	578.7	641.9	690.9	716.0
50°	511.4	549.4	616.8	669.8	697.0
52.5°	477.4	519.5	592.3	649.4	678.6
55°	442.7	488.2	565.8	629.0	659.6
57.5°	407.3	457.6	541.3	609.3	642.6
60°	370.6	426.4	514.8	590.9	624.9
62.5°	334.6	395.1	491.6	573.2	605.9
65°	297.2	363.1	468.5	552.2	584.1
67.5°	260.4	330.5	448.1	529.0	560.3
70°	221.7	299.9	425.0	503.2	534.5
72.5°	184.3	270.6	399.8	478.0	509.3
75°	145.5	244.8	372.0	450.2	478.7
77.5°	110.8	224.4	344.1	413.4	436.6
80°	78.2	199.9	310.1	364.5	382.8
82.5°	48.3	171.4	265.2	311.4	328.4
85°	23.8	137.4	213.5	257.7	274.0
87.5°	6.8	95.2	161.8	204.7	222.4
90°	0.0	57.1	119.0	162.5	178.8
92.5°	0.0	50.3	110.8	153.0	169.3
95°	0.0	49.0	106.1	146.9	162.5
97.5°	0.0	51.0	102.0	140.8	157.8
100°	0.0	34.7	103.4	136.0	151.0
102.5°	0.0	30.6	109.5	137.4	148.9
105°	0.0	27.2	97.9	144.8	154.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.7	59.8	93.8	121.0
115°	0.0	17.7	55.1	85.0	96.6
117.5°	0.0	16.3	50.3	78.2	89.8
120°	0.0	15.0	46.2	72.1	82.3
122.5°	0.0	13.6	42.2	66.6	76.2
125°	0.0	12.2	38.8	61.2	70.0
127.5°	0.0	10.9	35.4	55.8	63.9
130°	0.0	8.8	32.6	51.0	58.5
132.5°	0.0	5.4	29.2	46.2	53.0
135°	0.0	2.0	25.8	42.2	48.3
137.5°	0.0	0.7	23.1	38.1	43.5
140°	0.0	0.0	19.7	34.0	39.4
142.5°	0.0	0.0	17.0	30.6	34.7
145°	0.0	0.0	14.3	26.5	30.6
147.5°	0.7	0.0	10.2	22.4	27.2
150°	0.7	0.0	5.4	19.0	23.1
152.5°	0.7	0.0	1.4	15.0	19.7
155°	0.7	0.0	0.0	8.8	15.0
157.5°	0.7	0.0	0.0	2.0	8.2
160°	0.7	0.0	0.0	0.0	1.4
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	0.0	23.8	73.4	140.1	159.1
110°	0.0	21.8	64.6	121.7	144.8



(END OF REPORT)