

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: P544598

Luminaire Tested: **4SLES-1-T8-2G-B835-U**

Issue Date: 7/2/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P544598  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-256-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/2/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SLES-1-T8-2G-B835-U  
Description: 80CRI 3500K TLED Strip  
Light Source: MainsFit Glass TLED - 4FT 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1813.0 lumens  
Efficiency: N/A  
Efficacy: 151.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.44  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Semi-Direct

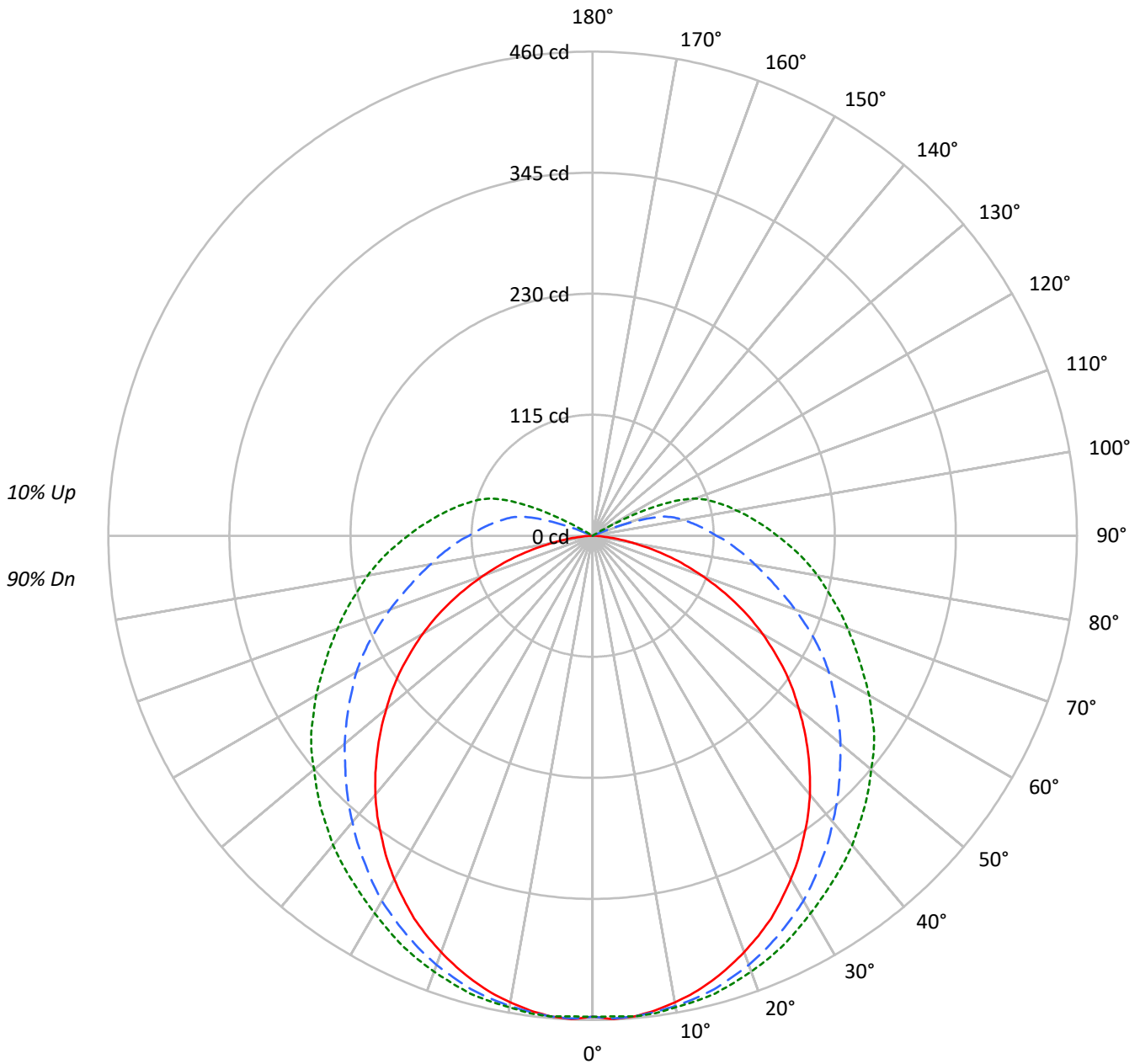
Input Watts (W): 12  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	105	105	105	99	99	99	93	93	93	93	93	90																	
1	103	97	92	87	100	94	89	85	88	84	80	82	79	76	77	74	72	72	72	69																	
2	93	83	76	69	89	81	73	67	75	69	64	70	65	61	66	62	58	58	55																		
3	84	72	63	56	81	70	62	55	66	58	53	61	55	50	57	53	48	48	45																		
4	77	64	54	47	74	62	53	46	58	50	44	54	48	43	51	45	41	41	38																		
5	70	57	47	40	67	55	46	39	52	44	38	48	42	36	46	40	35	35	33																		
6	65	51	41	35	62	49	40	34	46	39	33	44	37	32	41	35	31	31	28																		
7	60	46	37	30	58	45	36	30	42	34	29	40	33	28	37	32	27	27	25																		
8	56	42	33	27	54	41	32	26	38	31	26	36	30	25	34	28	24	24	22																		
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	32	26	22	22	20																		
10	49	35	27	22	47	34	27	21	33	26	21	31	25	20	29	24	20	20	18																		

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

	0°	45°	90°
0°	2460	2460	2460
5°	2476	2476	2476
10°	2460	2479	2486
15°	2440	2486	2508
20°	2411	2485	2523
25°	2382	2483	2548
30°	2341	2489	2573
35°	2296	2484	2623
40°	2255	2494	2694
45°	2200	2521	2780
50°	2141	2574	2892
55°	2087	2654	3063
60°	2005	2789	3265
65°	1896	2962	3559
70°	1734	3221	4055
75°	1526	3718	4920
80°	1203	4847	6722
85°	716	8441	12134



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.3	2.4
10°-20°	124.8	6.9
20°-30°	190.9	10.5
30°-40°	234.3	12.9
40°-50°	252.9	14.0
50°-60°	247.9	13.7
60°-70°	220.8	12.2
70°-80°	179.1	9.9
80°-90°	135.2	7.5
90°-100°	99.4	5.5
100°-110°	63.7	3.5
110°-120°	20.5	1.1
120°-130°	0.2	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	359.0	19.8
0°-40°	593.3	32.7
0°-60°	1094.1	60.3
0°-90°	1629.2	89.9
90°-120°	183.6	10.1
90°-150°	183.8	10.1
90°-180°	184.0	10.1
0°-180°	1813.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	457	457	457	457	457	
5°	458	454	458	452	458	43
15°	438	437	446	443	450	123
25°	401	405	418	419	429	185
35°	350	356	378	386	399	219
45°	289	301	331	351	365	223
55°	222	240	283	311	326	198
65°	149	180	233	264	280	147
75°	73	124	179	220	237	78
85°	12	71	137	182	196	16
90°	0	54	118	161	175	1
95°	0	42	102	143	156	0
105°	0	0	71	110	122	0
115°	0	0	0	45	67	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	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°	457.0	457.0	457.0	457.0	457.0
2.5°	459.7	455.6	459.0	453.6	457.0
5°	458.3	454.2	458.3	452.2	458.3
7.5°	454.9	451.5	456.3	450.8	457.6
10°	450.2	447.4	453.6	448.8	454.9
12.5°	444.7	442.7	450.2	445.4	452.9
15°	437.9	437.2	446.1	442.7	450.2
17.5°	429.8	429.8	440.0	437.9	445.4
20°	420.9	422.3	433.8	431.8	440.6
22.5°	411.4	413.4	426.4	425.0	435.2
25°	401.2	404.6	418.2	418.9	429.1
27.5°	389.0	393.0	409.4	411.4	421.6
30°	376.7	382.2	400.5	403.2	414.1
32.5°	363.8	369.2	389.6	395.1	406.6
35°	349.5	356.3	378.1	386.2	399.2
37.5°	335.9	343.4	367.2	378.1	391.7
40°	321.0	329.1	355.0	369.2	383.5
42.5°	305.3	315.5	343.4	360.4	374.0
45°	289.0	300.6	331.2	350.9	365.2
47.5°	272.7	285.6	318.9	341.4	355.6
50°	255.7	270.0	307.4	331.2	345.4
52.5°	239.4	255.7	295.1	321.0	336.6
55°	222.4	240.0	282.9	311.4	326.4
57.5°	204.0	224.4	270.6	300.6	314.2
60°	186.3	209.4	259.1	289.0	303.3
62.5°	168.0	193.8	246.2	276.8	291.0
65°	148.9	179.5	232.6	264.5	279.5
67.5°	129.2	165.2	218.3	253.0	268.6
70°	110.2	150.3	204.7	242.1	257.7
72.5°	91.8	136.7	191.1	231.2	247.5
75°	73.4	123.8	178.8	220.3	236.6
77.5°	55.1	107.4	167.3	210.8	226.4
80°	38.8	92.5	156.4	201.3	216.9
82.5°	24.5	80.2	146.9	191.8	206.7
85°	11.6	70.7	136.7	181.6	196.5
87.5°	4.1	62.6	127.8	171.4	185.6
90°	0.0	54.4	117.6	161.2	175.4
92.5°	0.0	47.6	109.5	151.6	165.9
95°	0.0	41.5	102.0	142.8	156.4
97.5°	0.0	35.4	94.5	134.0	147.6
100°	0.0	23.8	87.0	125.8	138.7
102.5°	0.0	5.4	79.6	117.6	130.6
105°	0.0	0.0	70.7	110.2	121.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	7.5	69.4	88.4
115°	0.0	0.0	0.0	44.9	66.6
117.5°	0.0	0.0	0.0	17.7	39.4
120°	0.0	0.0	0.0	0.7	12.2
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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	0.0	54.4	101.3	113.6
110°	0.0	0.0	31.3	89.1	103.4



(END OF REPORT)