

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: P544604

Luminaire Tested: **4SLES-1-T8-3G-B835-U**

Issue Date: 7/2/2021

Test Information

Test Method: LM-41-14
Report Number: P544604
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-T8-3G-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: 2132.9 lumens
Efficiency: N/A
Efficacy: 147.1 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

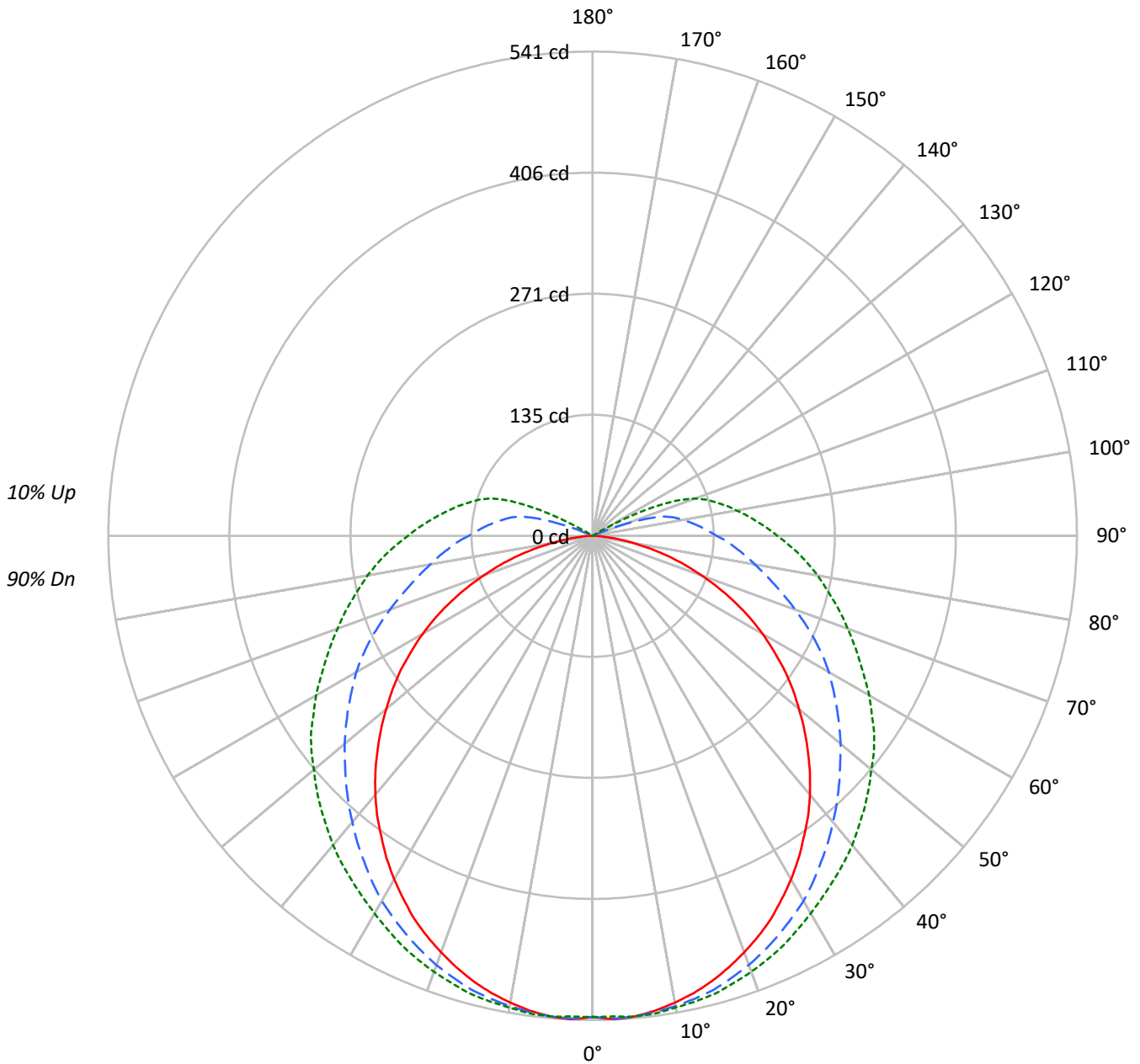
Input Watts (W): 14.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P544604

CATALOG NUMBER: 4SLES-1-T8-3G-B835-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2893	2893	2893
5°	2913	2913	2913
10°	2894	2916	2925
15°	2871	2924	2951
20°	2836	2923	2969
25°	2803	2922	2998
30°	2754	2928	3028
35°	2702	2922	3085
40°	2653	2934	3170
45°	2588	2965	3270
50°	2519	3028	3403
55°	2455	3123	3603
60°	2359	3281	3841
65°	2231	3484	4187
70°	2039	3789	4771
75°	1797	4375	5789
80°	1413	5703	7910
85°	840	9930	14277



TEST NUMBER: P544604

CATALOG NUMBER: 4SLES-1-T8-3G-B835-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	2.4
10°-20°	146.9	6.9
20°-30°	224.6	10.5
30°-40°	275.6	12.9
40°-50°	297.5	14.0
50°-60°	291.6	13.7
60°-70°	259.7	12.2
70°-80°	210.8	9.9
80°-90°	159.1	7.5
90°-100°	117.0	5.5
100°-110°	74.9	3.5
110°-120°	24.1	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°	422.4	19.8
0°-40°	698.0	32.7
0°-60°	1287.2	60.3
0°-90°	1916.7	89.9
90°-120°	216.0	10.1
90°-150°	216.2	10.1
90°-180°	216.0	10.1
0°-180°	2132.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	538	538	538	538	538	
5°	539	534	539	532	539	51
15°	515	514	525	521	530	145
25°	472	476	492	493	505	217
35°	411	419	445	454	470	258
45°	340	354	390	413	430	262
55°	262	282	333	366	384	233
65°	175	211	274	311	329	173
75°	86	146	210	259	278	91
85°	14	83	161	214	231	18
90°	0	64	138	190	206	1
95°	0	49	120	168	184	0
105°	0	0	83	130	143	0
115°	0	0	0	53	78	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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CATALOG NUMBER: 4SLES-1-T8-3G-B835-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	537.6	537.6	537.6	537.6	537.6
2.5°	540.8	536.0	540.0	533.6	537.6
5°	539.2	534.4	539.2	532.0	539.2
7.5°	535.2	531.2	536.8	530.4	538.4
10°	529.6	526.4	533.6	528.0	535.2
12.5°	523.2	520.8	529.6	524.0	532.8
15°	515.2	514.4	524.8	520.8	529.6
17.5°	505.6	505.6	517.6	515.2	524.0
20°	495.2	496.8	510.4	508.0	518.4
22.5°	484.0	486.4	501.6	500.0	512.0
25°	472.0	476.0	492.0	492.8	504.8
27.5°	457.6	462.4	481.6	484.0	496.0
30°	443.2	449.6	471.2	474.4	487.2
32.5°	428.0	434.4	458.4	464.8	478.4
35°	411.2	419.2	444.8	454.4	469.6
37.5°	395.2	404.0	432.0	444.8	460.8
40°	377.6	387.2	417.6	434.4	451.2
42.5°	359.2	371.2	404.0	424.0	440.0
45°	340.0	353.6	389.6	412.8	429.6
47.5°	320.8	336.0	375.2	401.6	418.4
50°	300.8	317.6	361.6	389.6	406.4
52.5°	281.6	300.8	347.2	377.6	396.0
55°	261.6	282.4	332.8	366.4	384.0
57.5°	240.0	264.0	318.4	353.6	369.6
60°	219.2	246.4	304.8	340.0	356.8
62.5°	197.6	228.0	289.6	325.6	342.4
65°	175.2	211.2	273.6	311.2	328.8
67.5°	152.0	194.4	256.8	297.6	316.0
70°	129.6	176.8	240.8	284.8	303.2
72.5°	108.0	160.8	224.8	272.0	291.2
75°	86.4	145.6	210.4	259.2	278.4
77.5°	64.8	126.4	196.8	248.0	266.4
80°	45.6	108.8	184.0	236.8	255.2
82.5°	28.8	94.4	172.8	225.6	243.2
85°	13.6	83.2	160.8	213.6	231.2
87.5°	4.8	73.6	150.4	201.6	218.4
90°	0.0	64.0	138.4	189.6	206.4
92.5°	0.0	56.0	128.8	178.4	195.2
95°	0.0	48.8	120.0	168.0	184.0
97.5°	0.0	41.6	111.2	157.6	173.6
100°	0.0	28.0	102.4	148.0	163.2
102.5°	0.0	6.4	93.6	138.4	153.6
105°	0.0	0.0	83.2	129.6	143.2



TEST NUMBER: P544604

CATALOG NUMBER: 4SLES-1-T8-3G-B835-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	8.8	81.6	104.0
115°	0.0	0.0	0.0	52.8	78.4
117.5°	0.0	0.0	0.0	20.8	46.4
120°	0.0	0.0	0.0	0.8	14.4
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	64.0	119.2	133.6
110°	0.0	0.0	36.8	104.8	121.6



(END OF REPORT)