

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: P544615

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

Issue Date: 7/2/2021

Test Information

Test Method: LM-41-14
Report Number: P544615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-256-3)
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-ICF-4FT-REFL
Description: 80CRI 3500K TLED with Reflector
Light Source: MainsFit Glass TLED - (2) 4FT 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3312.6 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.44
Luminous Opening: Rectangular (W 0.92' x L: 4' x H: 0')
CIE Type: Direct

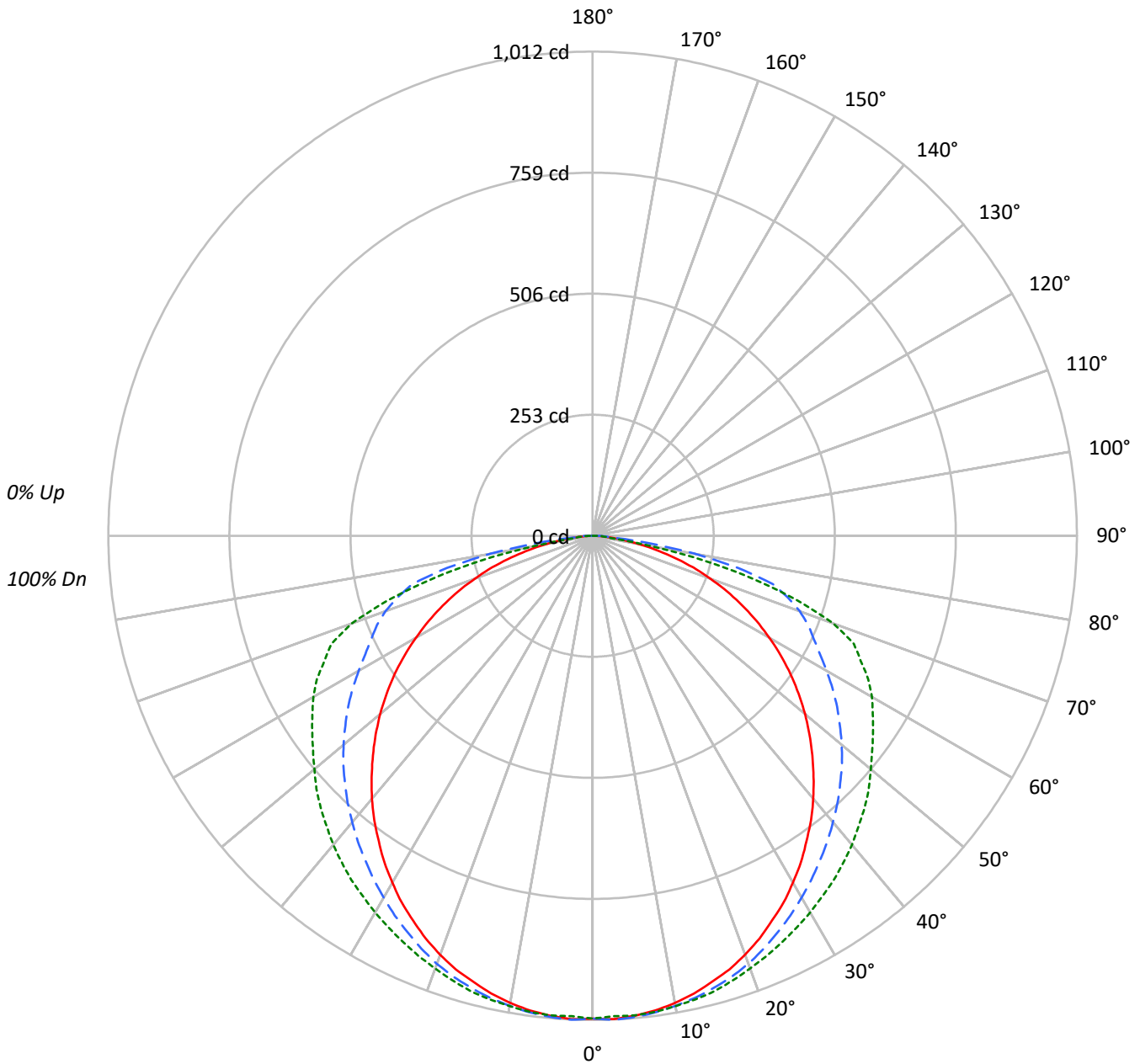
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82				82
2	97	88	81	75	94	86	79	74	83	77	72	79	75	70	76	72	69	66				66
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	67	61	57	55				55
4	80	67	58	51	78	66	57	51	63	56	50	61	54	49	59	53	48	46				46
5	73	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	39				39
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	48	41	36	34				34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30				30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	29	27				27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24				24
10	51	37	29	24	50	37	29	24	36	28	24	35	28	23	34	28	23	21				21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2963	2963	2963
5°	2968	2976	2966
10°	2955	2974	2976
15°	2933	2974	2995
20°	2911	2974	3006
25°	2875	2963	3035
30°	2838	2960	3082
35°	2793	2968	3149
40°	2749	2994	3232
45°	2696	3038	3337
50°	2646	3103	3466
55°	2586	3192	3662
60°	2504	3314	3957
65°	2399	3543	4294
70°	2241	3952	4588
75°	1990	4419	3926
80°	1633	3655	2058
85°	1031	1260	1007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	2.9
10°-20°	275.0	8.3
20°-30°	420.2	12.7
30°-40°	517.8	15.6
40°-50°	561.2	16.9
50°-60°	550.0	16.6
60°-70°	491.5	14.8
70°-80°	330.6	10.0
80°-90°	70.7	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	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°	790.8	23.9
0°-40°	1308.5	39.5
0°-60°	2419.7	73.0
0°-90°	3312.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3312.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	1007	995	1010	1010	1006	96
15°	965	957	978	986	985	272
25°	887	885	915	931	937	409
35°	779	785	828	864	879	488
45°	649	664	732	784	804	501
55°	505	534	624	689	715	451
65°	345	400	510	594	618	341
75°	175	269	390	364	346	187
85°	31	107	37	30	30	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	1011.2	997.6	1012.5	1012.5	1005.0
5°	1007.1	994.8	1009.8	1009.8	1006.4
7.5°	1001.0	989.4	1005.0	1005.0	1003.7
10°	991.4	980.6	997.6	999.6	998.2
12.5°	979.9	969.7	989.4	993.5	992.8
15°	964.9	956.8	978.5	986.0	985.3
17.5°	950.6	941.8	966.3	975.1	974.4
20°	931.6	924.8	952.0	960.2	962.2
22.5°	911.2	905.8	934.3	945.2	950.6
25°	887.4	885.4	914.6	930.9	937.0
27.5°	864.3	862.2	894.9	916.6	923.4
30°	837.1	838.4	873.1	899.0	909.2
32.5°	809.9	812.6	851.4	881.3	893.5
35°	779.3	785.4	828.2	863.6	878.6
37.5°	749.4	756.8	805.8	845.9	860.9
40°	717.4	726.2	781.3	826.2	843.2
42.5°	683.4	695.6	757.5	805.1	822.8
45°	649.4	663.7	731.7	784.0	803.8
47.5°	614.7	632.4	706.5	762.3	782.7
50°	579.4	600.4	679.3	738.5	758.9
52.5°	542.6	567.1	651.4	712.6	736.4
55°	505.2	533.8	623.6	688.8	715.4
57.5°	466.5	501.2	594.3	666.4	694.3
60°	426.4	467.2	564.4	644.6	673.9
62.5°	386.2	433.8	535.2	623.6	649.4
65°	345.4	399.8	510.0	593.6	618.1
67.5°	304.0	366.5	487.6	563.7	590.9
70°	261.1	333.9	460.4	530.4	534.5
72.5°	220.3	299.9	427.0	459.7	448.1
75°	175.4	269.3	389.6	363.8	346.1
77.5°	135.3	246.2	311.4	260.4	238.7
80°	96.6	218.3	216.2	146.9	121.7
82.5°	61.9	181.6	114.9	45.6	37.4
85°	30.6	106.8	37.4	29.9	29.9
87.5°	10.9	42.2	25.8	17.7	15.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





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







(END OF REPORT)