

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: P544633

Luminaire Tested: **8TSLES-1-T8-2G-B835-U-ICF-4FT-REFL**

Issue Date: 7/2/2021

Test Information

Test Method: LM-41-14
Report Number: P544633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-256-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/2/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSLES-1-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: 3291.4 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.42
Luminous Opening: Rectangular (W 0.92' x L: 8' x H: 0')
CIE Type: Direct

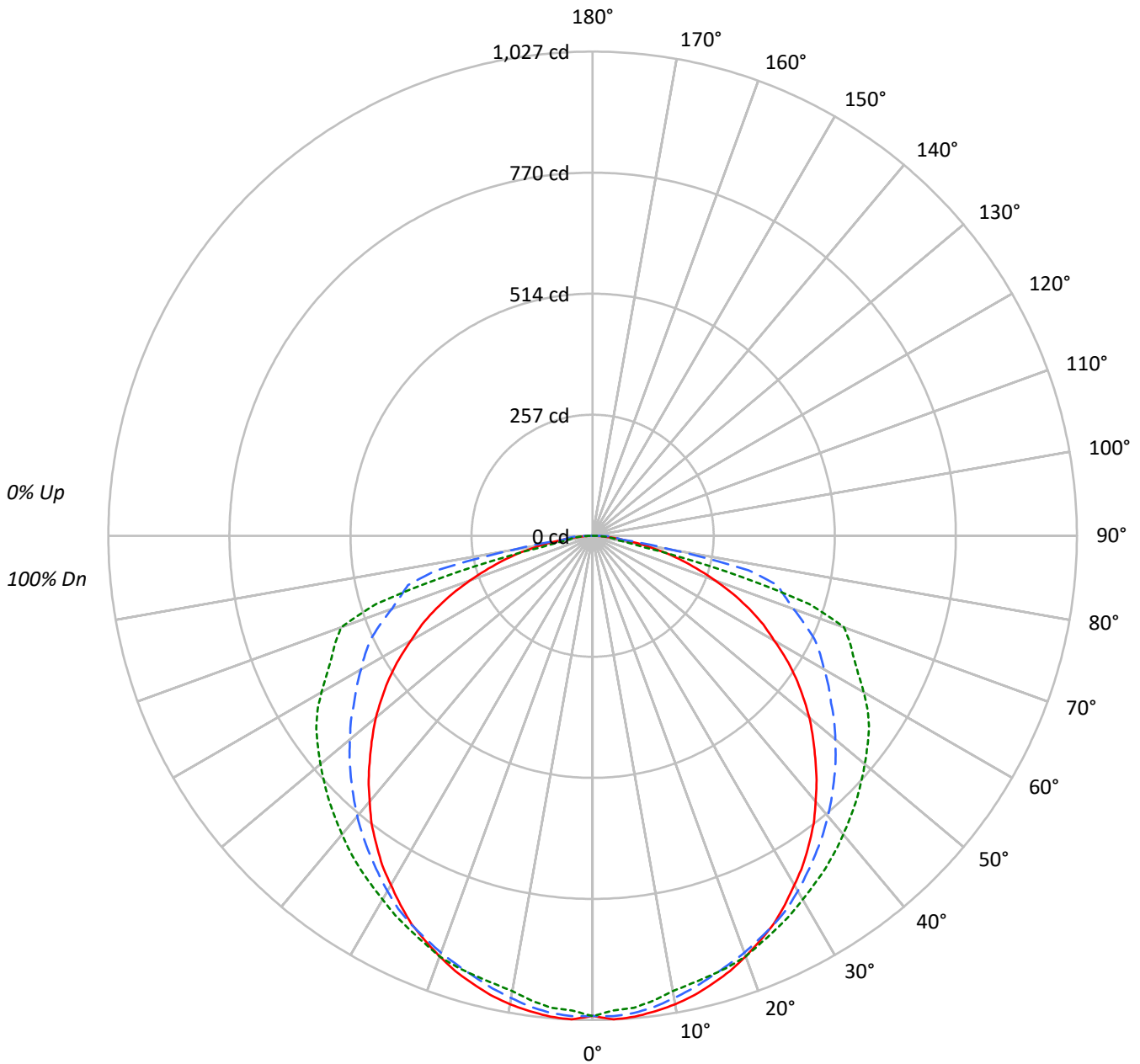
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P544633

CATALOG NUMBER: 8TSLES-1-T8-2G-B835-U-ICF-4FT-REFL

Luminous Intensity Polar Plot





TEST NUMBER: P544633

CATALOG NUMBER: 8TSLES-1-T8-2G-B835-U-ICF-4FT-REFL

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	93	89	92	89	87	88	86	84	82				82
2	97	88	81	75	95	86	80	74	83	77	72	79	75	70	76	72	69	67				67
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55				55
4	80	68	58	51	78	66	57	51	64	56	50	61	55	49	59	53	49	46				46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40				40
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	44	35	29	42	34	29	41	34	29	40	33	29	27				27
9	54	41	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	29	24	35	28	23	34	28	23	22				22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1495	1495	1495
5°	1509	1497	1481
10°	1504	1484	1462
15°	1494	1472	1467
20°	1483	1470	1483
25°	1471	1474	1491
30°	1450	1475	1510
35°	1433	1477	1543
40°	1410	1488	1585
45°	1386	1505	1643
50°	1370	1534	1721
55°	1347	1580	1831
60°	1306	1665	1949
65°	1271	1804	2121
70°	1185	1944	2434
75°	1072	2299	1658
80°	874	1425	472
85°	549	825	573



TEST NUMBER: P544633

CATALOG NUMBER: 8TSLES-1-T8-2G-B835-U-ICF-4FT-REFL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	2.9
10°-20°	273.9	8.3
20°-30°	418.2	12.7
30°-40°	514.6	15.6
40°-50°	558.6	17.0
50°-60°	550.0	16.7
60°-70°	492.5	15.0
70°-80°	322.2	9.8
80°-90°	65.3	2.0
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°	788.2	23.9
0°-40°	1302.8	39.6
0°-60°	2411.3	73.3
0°-90°	3291.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3291.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1019	1019	1019	1019	1019	
5°	1024	1009	1016	1012	1005	97
15°	983	964	968	971	966	278
25°	908	883	910	921	921	418
35°	800	779	824	851	861	500
45°	668	664	725	774	792	516
55°	526	529	617	690	715	469
65°	366	396	520	585	611	360
75°	189	284	405	358	292	199
85°	33	92	49	35	34	44
90°	0	0	0	0	0	



TEST NUMBER: P544633

CATALOG NUMBER: 8TSLES-1-T8-2G-B835-U-ICF-4FT-REFL

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1018.6	1018.6	1018.6	1018.6	1018.6
2.5°	1026.8	1011.8	1020.0	1017.3	1007.8
5°	1024.1	1009.1	1015.9	1011.8	1005.0
7.5°	1017.3	1001.0	1007.8	1001.0	994.2
10°	1009.1	992.8	995.5	988.7	980.6
12.5°	998.2	979.2	983.3	979.2	972.4
15°	983.3	964.2	968.3	971.0	965.6
17.5°	968.3	947.9	954.7	961.5	958.8
20°	949.3	927.5	941.1	950.6	949.3
22.5°	928.9	905.8	924.8	935.7	934.3
25°	908.5	882.6	909.8	920.7	920.7
27.5°	882.6	859.5	892.2	904.4	907.1
30°	855.4	833.7	870.4	886.7	890.8
32.5°	829.6	806.5	847.3	869.0	875.8
35°	799.7	779.3	824.2	851.4	860.9
37.5°	769.8	752.1	801.0	833.7	844.6
40°	735.8	723.5	776.6	814.6	826.9
42.5°	703.1	695.0	750.7	795.6	809.2
45°	667.8	663.7	724.9	773.8	791.5
47.5°	633.8	631.0	699.0	753.4	772.5
50°	599.8	597.0	671.8	731.7	753.4
52.5°	563.0	563.0	646.0	712.6	734.4
55°	526.3	529.0	617.4	689.5	715.4
57.5°	486.9	495.0	593.0	669.1	692.2
60°	444.7	461.0	567.1	644.6	663.7
62.5°	408.0	428.4	544.0	613.4	635.1
65°	365.8	395.8	519.5	584.8	610.6
67.5°	322.3	365.8	485.5	560.3	590.2
70°	276.1	335.9	452.9	538.6	567.1
72.5°	231.2	308.7	427.0	499.1	481.4
75°	189.0	284.2	405.3	357.7	292.4
77.5°	145.5	253.0	338.6	155.0	110.2
80°	103.4	224.4	168.6	55.8	55.8
82.5°	65.3	198.6	62.6	44.9	44.9
85°	32.6	92.5	49.0	35.4	34.0
87.5°	12.2	55.8	35.4	19.0	16.3
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)