

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: P544621

Luminaire Tested: **4SLES-2-T8-3G-B835-U-ICF-4FT-REFL**

Issue Date: 7/2/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P544621  
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-T8-3G-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: 3897.2 lumens  
Efficiency: N/A  
Efficacy: 134.4 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

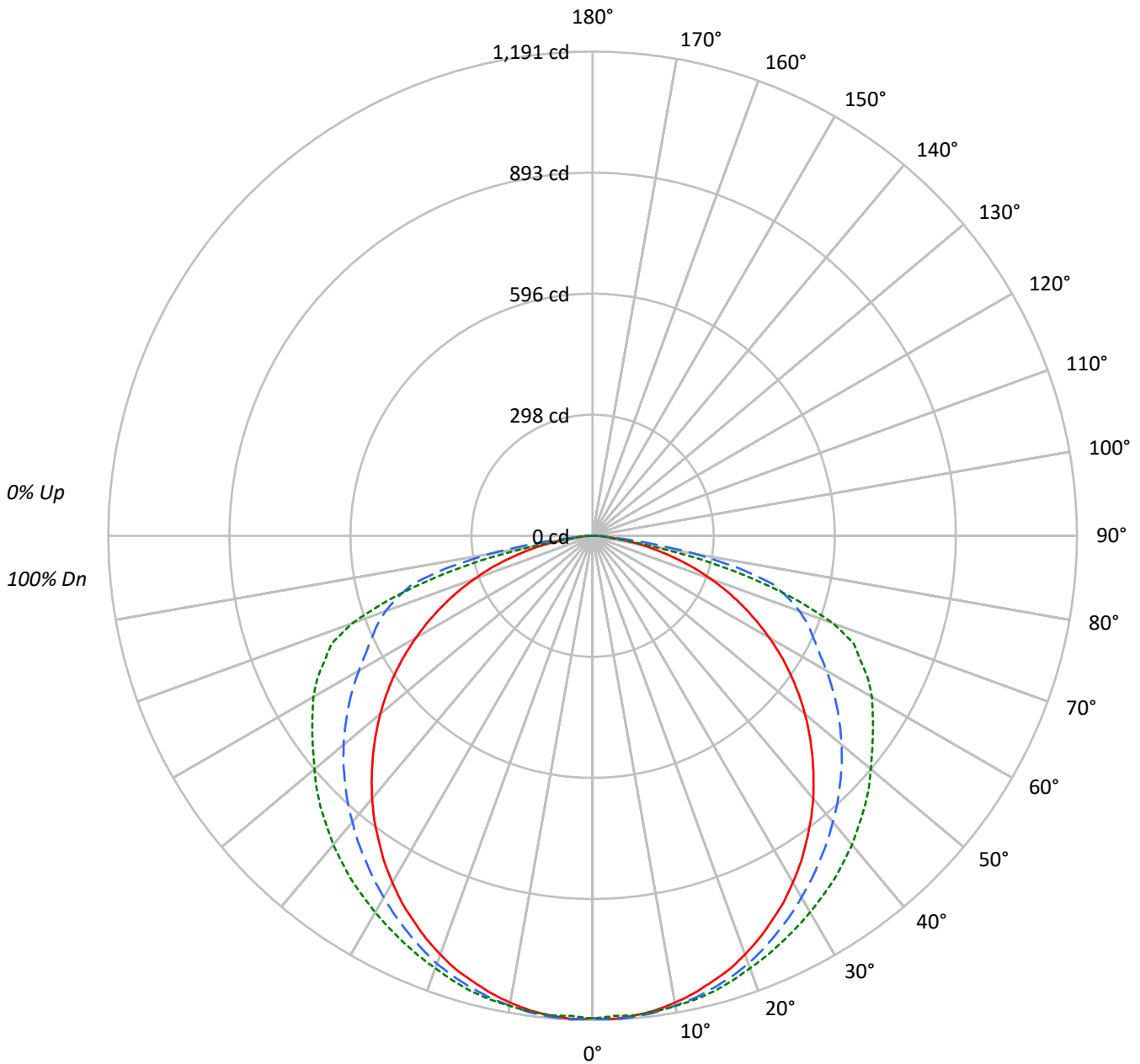
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	3485	3485	3485
5°	3492	3501	3489
10°	3477	3499	3501
15°	3450	3499	3523
20°	3424	3499	3537
25°	3382	3486	3571
30°	3338	3482	3626
35°	3286	3492	3704
40°	3235	3523	3802
45°	3172	3574	3926
50°	3113	3650	4078
55°	3042	3755	4308
60°	2945	3899	4655
65°	2823	4168	5052
70°	2637	4649	5397
75°	2341	5200	4619
80°	1921	4301	2421
85°	1213	1482	1186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.4	2.9
10°-20°	323.5	8.3
20°-30°	494.4	12.7
30°-40°	609.1	15.6
40°-50°	660.3	16.9
50°-60°	647.1	16.6
60°-70°	578.2	14.8
70°-80°	389.0	10.0
80°-90°	83.2	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°	930.3	23.9
0°-40°	1539.4	39.5
0°-60°	2846.8	73.0
0°-90°	3897.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3897.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1185	1170	1188	1188	1184	113
15°	1135	1126	1151	1160	1159	321
25°	1044	1042	1076	1095	1102	481
35°	917	924	974	1016	1034	574
45°	764	781	861	922	946	590
55°	594	628	734	810	842	531
65°	406	470	600	698	727	401
75°	206	317	458	428	407	220
85°	36	126	44	35	35	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1189.6	1173.6	1191.2	1191.2	1182.4
5°	1184.8	1170.4	1188.0	1188.0	1184.0
7.5°	1177.6	1164.0	1182.4	1182.4	1180.8
10°	1166.4	1153.6	1173.6	1176.0	1174.4
12.5°	1152.8	1140.8	1164.0	1168.8	1168.0
15°	1135.2	1125.6	1151.2	1160.0	1159.2
17.5°	1118.4	1108.0	1136.8	1147.2	1146.4
20°	1096.0	1088.0	1120.0	1129.6	1132.0
22.5°	1072.0	1065.6	1099.2	1112.0	1118.4
25°	1044.0	1041.6	1076.0	1095.2	1102.4
27.5°	1016.8	1014.4	1052.8	1078.4	1086.4
30°	984.8	986.4	1027.2	1057.6	1069.6
32.5°	952.8	956.0	1001.6	1036.8	1051.2
35°	916.8	924.0	974.4	1016.0	1033.6
37.5°	881.6	890.4	948.0	995.2	1012.8
40°	844.0	854.4	919.2	972.0	992.0
42.5°	804.0	818.4	891.2	947.2	968.0
45°	764.0	780.8	860.8	922.4	945.6
47.5°	723.2	744.0	831.2	896.8	920.8
50°	681.6	706.4	799.2	868.8	892.8
52.5°	638.4	667.2	766.4	838.4	866.4
55°	594.4	628.0	733.6	810.4	841.6
57.5°	548.8	589.6	699.2	784.0	816.8
60°	501.6	549.6	664.0	758.4	792.8
62.5°	454.4	510.4	629.6	733.6	764.0
65°	406.4	470.4	600.0	698.4	727.2
67.5°	357.6	431.2	573.6	663.2	695.2
70°	307.2	392.8	541.6	624.0	628.8
72.5°	259.2	352.8	502.4	540.8	527.2
75°	206.4	316.8	458.4	428.0	407.2
77.5°	159.2	289.6	366.4	306.4	280.8
80°	113.6	256.8	254.4	172.8	143.2
82.5°	72.8	213.6	135.2	53.6	44.0
85°	36.0	125.6	44.0	35.2	35.2
87.5°	12.8	49.6	30.4	20.8	18.4
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)