

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: ITL46447

Luminaire Tested: **SSL-132**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: ITL46447
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSL-132
Description: FABRICATED METAL STRIP BALLAST HOUSING WITH DIAGONAL BOTTOM
MOUNTED LAMP, WHITE PAINTED FORMED METAL BALLAST COVER, OPEN SIDES
AND BOTTOM.
Light Source: ONE 32-WATT F32T8/TL735 FLUORESCENT.
Ballast/Driver: GOLDSTAR GB-2x32/FL/I/120

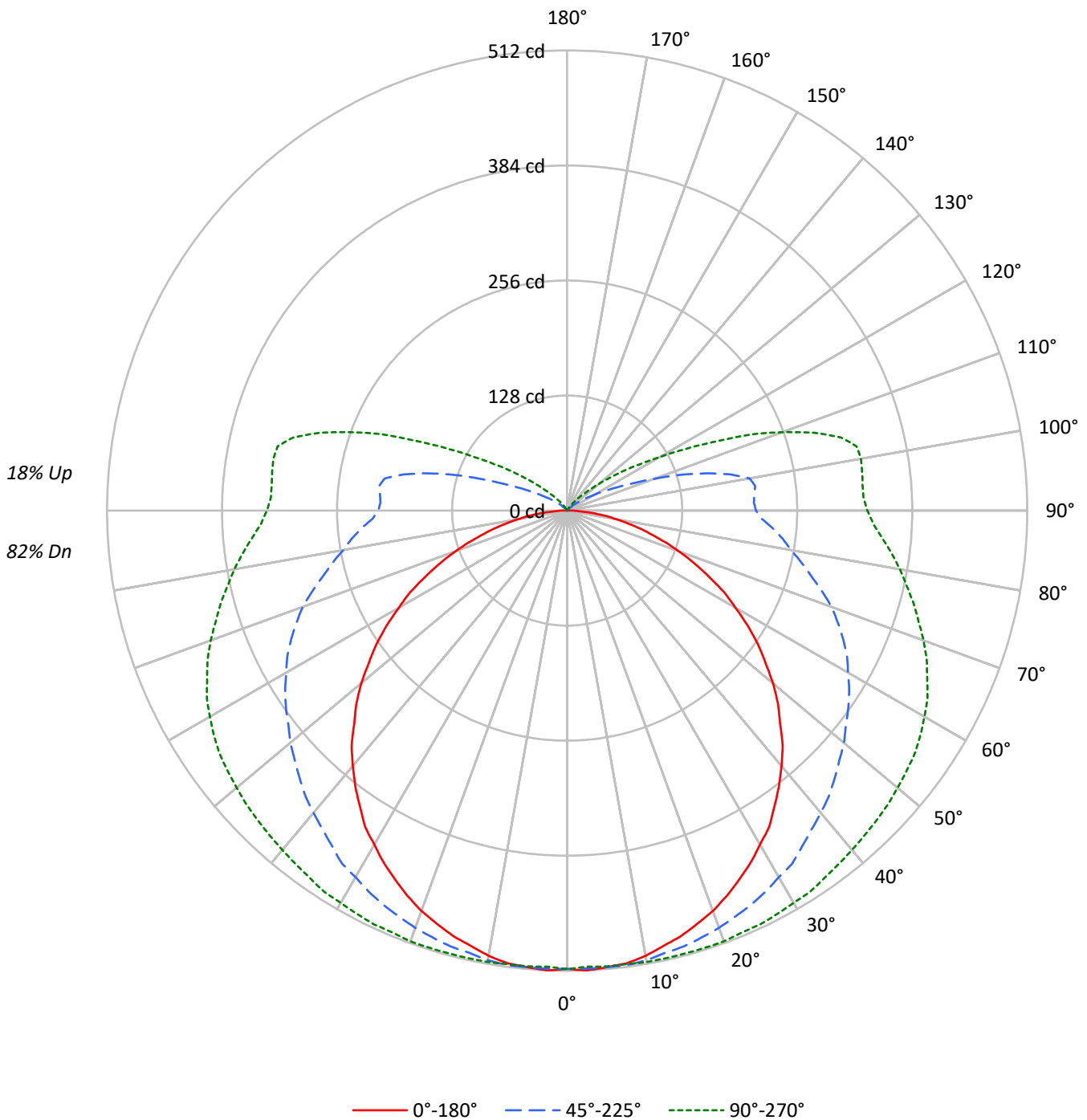
Summary

Lumens per Lamp: 2800 (1 lamp)
Luminaire Lumens: 2675.2 lumens
Efficiency: 95.5%
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.5 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.36' x L: 4' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 37.3
Input Voltage (V): NR
Input Current (A_{in}): 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: ITL46447
CATALOG NUMBER: SSL-132

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	0
RCR																		
0	110	110	110	110	105	105	105	105	97	97	97	89	89	89	82	82	82	79
1	96	90	85	80	92	86	82	77	79	75	72	72	69	66	66	64	61	58
2	86	77	69	62	82	73	66	60	67	61	56	61	57	52	56	52	49	46
3	78	66	57	50	74	63	55	49	58	51	46	53	47	43	48	44	40	37
4	71	58	49	42	67	56	47	40	51	44	38	47	41	36	43	38	33	31
5	65	51	42	35	61	49	41	34	45	38	32	41	35	30	38	33	28	26
6	59	46	37	30	56	44	36	29	41	33	28	37	31	26	34	29	25	22
7	55	41	32	26	52	40	31	26	37	29	24	34	28	23	31	26	22	19
8	51	37	29	23	48	36	28	23	33	26	21	31	25	20	28	23	19	17
9	48	34	26	21	45	33	25	20	31	24	19	28	22	18	26	21	17	15
10	44	31	24	18	42	30	23	18	28	22	17	26	20	16	24	19	15	14

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3764	3764	3764
5°	3767	3686	3652
10°	3747	3624	3587
15°	3710	3562	3544
20°	3678	3514	3529
25°	3632	3477	3526
30°	3586	3444	3537
35°	3538	3422	3568
40°	3476	3410	3621
45°	3382	3416	3707
50°	3300	3441	3821
55°	3179	3488	3969
60°	3012	3561	4123
65°	2833	3667	4297
70°	2606	3779	4507
75°	2329	3872	4769
80°	1997	4097	5145
85°	1465	4556	5684



TEST NUMBER: ITL46447
 CATALOG NUMBER: SSL-132

ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	48.6	1.8	1.7	0°	510	510	510	510	510	
10°-20°	141.8	5.3	5.1	5°	510	511	510	509	509	48
20°-30°	223.2	8.3	8.0	15°	490	496	502	508	510	138
30°-40°	285.3	10.7	10.2	25°	453	467	484	502	508	209
40°-50°	323.3	12.1	11.5	35°	402	425	456	488	499	252
50°-60°	336.7	12.6	12.0	45°	335	371	421	470	487	259
60°-70°	323.5	12.1	11.6	55°	259	309	382	449	472	231
70°-80°	284.0	10.6	10.1	65°	174	242	339	417	442	173
80°-90°	232.8	8.7	8.3	75°	92	178	281	369	399	98
90°-100°	205.6	7.7	7.3	85°	24	110	230	322	352	27
100°-110°	159.4	6.0	5.7	90°	7	88	210	300	334	4
110°-120°	75.5	2.8	2.7	95°	0	88	209	298	330	0
120°-130°	26.8	1.0	1.0	105°	0	24	160	269	315	0
130°-140°	7.3	0.3	0.3	115°	0	5	61	137	181	0
140°-150°	1.3	0.0	0.0	125°	0	1	21	54	77	0
150°-160°	0.1	0.0	0.0	135°	0	0	4	17	26	0
160°-170°	0.0	0.0	0.0	145°	0	0	0	3	7	0
170°-180°	0.0	0.0	0.0	155°	0	0	0	0	1	0
0°-30°	413.6	15.5	14.8	165°	0	0	0	0	0	0
0°-40°	698.9	26.1	25.0	175°	0	0	0	0	0	0
0°-60°	1359.0	50.8	48.5	180°	0	0	0	0	0	0
0°-90°	2199.3	82.2	78.5							
90°-120°	440.5	16.5	15.7							
90°-150°	475.9	17.8	17.0							
90°-180°	476.0	17.8	17.0							
0°-180°	2675.2	100.0	95.5							



TEST NUMBER: ITL46447
 CATALOG NUMBER: SSL-132

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	510	510	510	510	510
2.5°	512	513	510	509	508
5°	510	511	510	509	509
7.5°	508	509	510	510	509
10°	503	506	508	510	510
12.5°	496	501	504	509	510
15°	490	496	502	508	510
17.5°	482	490	498	507	510
20°	474	484	494	506	510
22.5°	464	475	489	504	508
25°	453	467	484	502	508
27.5°	442	457	478	500	506
30°	429	447	471	496	504
32.5°	418	438	466	494	503
35°	402	425	456	488	499
37.5°	387	412	447	484	496
40°	371	399	439	479	493
42.5°	355	385	431	475	490
45°	335	371	421	470	487
47.5°	318	356	411	464	484
50°	299	340	402	460	480
52.5°	278	325	391	455	476
55°	259	309	382	449	472
57.5°	238	292	372	443	466
60°	216	275	361	435	459
62.5°	197	258	351	427	452
65°	174	242	339	417	442
67.5°	153	226	326	406	433
70°	132	210	313	395	422
72.5°	111	194	297	382	410
75°	92	178	281	369	399
77.5°	73	161	267	358	387
80°	56	141	253	346	376
82.5°	41	122	242	334	364
85°	24	110	230	322	352
87.5°	12	99	217	310	341
90°	7	88	210	300	334
92.5°	3	88	208	297	330
95°	0	88	209	298	330
97.5°	0	73	211	299	331
100°	0	54	206	300	332
102.5°	0	36	186	290	330
105°	0	24	160	269	315
107.5°	0	16	132	240	288
110°	0	11	104	206	255



TEST NUMBER: ITL46447
 CATALOG NUMBER: SSL-132

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0	7	79	170	221
115°	0	5	61	137	181
117.5°	0	3	47	110	148
120°	0	2	36	87	119
122.5°	0	1	27	69	96
125°	0	1	21	54	77
127.5°	0	1	15	41	60
130°	0	1	11	33	46
132.5°	0	0	6	23	35
135°	0	0	4	17	26
137.5°	0	0	3	12	20
140°	0	0	2	8	14
142.5°	0	0	1	6	9
145°	0	0	0	3	7
147.5°	0	0	0	2	4
150°	0	0	0	1	2
152.5°	0	0	0	0	1
155°	0	0	0	0	1
157.5°	0	0	0	0	0
160°	0	0	0	0	0
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	0	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)