

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P827686

Luminaire Tested: **OHBL-15SE-N-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827686  
REPORT IS A COMBINATION OF REPORTS P826224 AND G3-2310-221-6  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-N-UNV-L930-CD-UPL24  
Description:  
Light Source: -  
Ballast/Driver: -

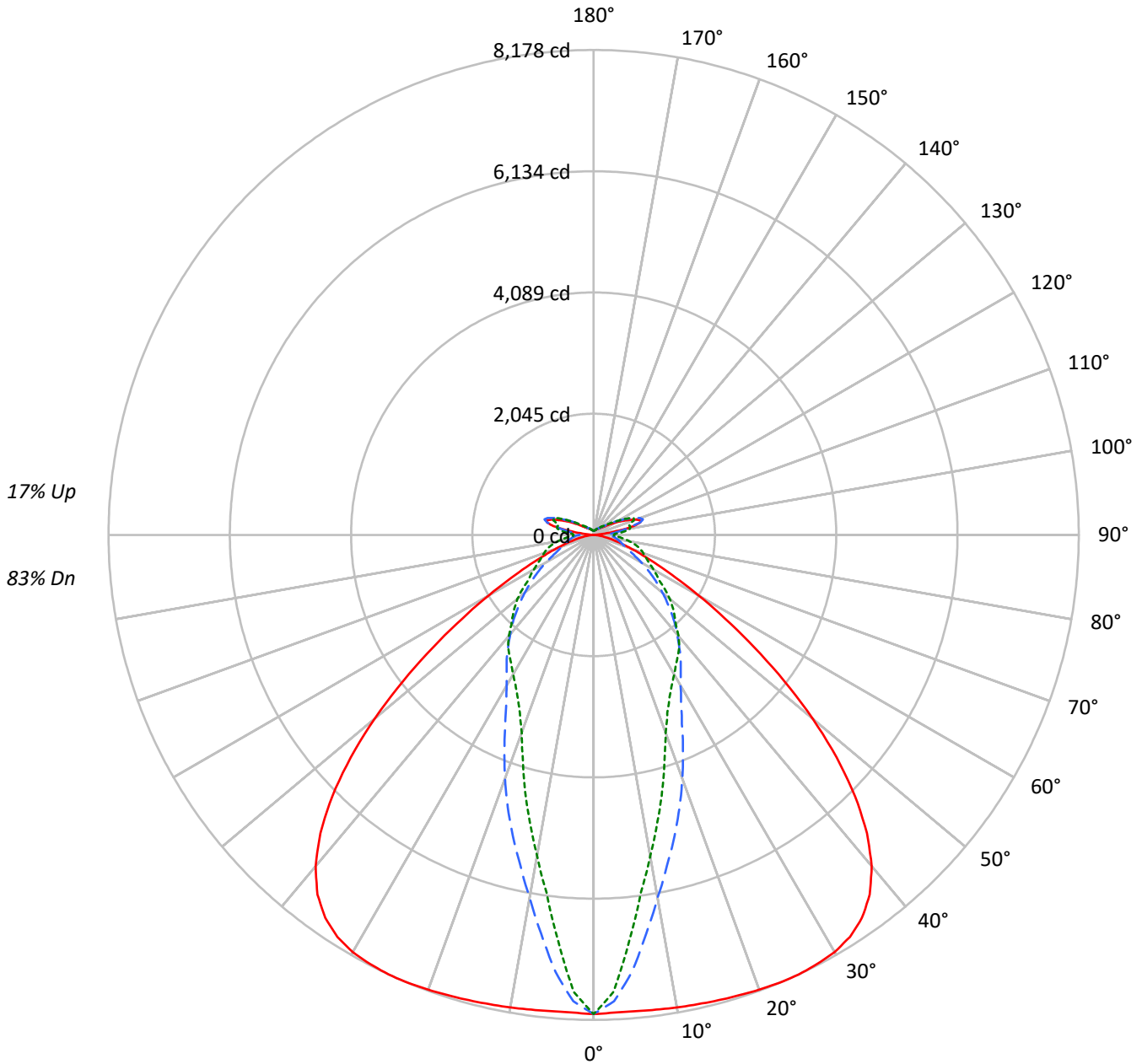
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13880.1 lumens  
Efficiency: N/A  
Efficacy: 133.0 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 104.4  
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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	106	101	97	94	101	97	94	91	90	87	85	83	81	79	77	76	74	74	74	74	71
2	97	90	84	78	93	86	81	76	80	76	72	74	71	68	69	66	64	64	64	64	61
3	89	80	73	67	86	77	70	65	72	66	62	67	62	59	62	59	56	56	56	56	53
4	83	72	64	58	79	69	62	57	65	59	54	61	56	52	57	53	49	49	49	49	47
5	76	65	57	51	73	63	55	50	59	53	48	55	50	46	52	47	44	44	44	44	41
6	71	59	51	45	68	57	50	44	54	47	43	51	45	41	48	43	39	39	39	39	37
7	66	54	46	40	64	52	45	40	49	43	38	47	41	37	44	39	36	36	36	36	34
8	62	50	42	37	60	48	41	36	46	39	35	43	38	34	41	36	32	32	32	32	30
9	58	46	38	33	56	45	38	33	42	36	32	40	35	31	38	33	30	30	30	30	28
10	55	43	35	30	53	41	35	30	39	33	29	37	32	28	36	31	27	27	27	27	26

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

	0°	45°	90°
0°	26284	26284	26284
5°	25899	23803	22363
10°	25863	19941	18019
15°	26034	16960	14863
20°	26418	14259	12083
25°	26962	11734	10645
30°	27493	10046	9946
35°	27631	9095	9536
40°	26696	8155	9110
45°	24090	7310	8501
50°	19879	6398	8053
55°	14715	5543	7246
60°	9987	4690	7033
65°	6450	3973	7008
70°	4172	3647	7535
75°	2678	3647	8349
80°	1627	3853	9138
85°	751	4430	10899



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	680.1	4.9
10°-20°	1599.8	11.5
20°-30°	2005.4	14.4
30°-40°	2127.9	15.3
40°-50°	1924.0	13.9
50°-60°	1395.0	10.1
60°-70°	875.4	6.3
70°-80°	579.3	4.2
80°-90°	338.7	2.4
90°-100°	349.1	2.5
100°-110°	762.2	5.5
110°-120°	627.0	4.5
120°-130°	301.1	2.2
130°-140°	149.3	1.1
140°-150°	86.0	0.6
150°-160°	48.9	0.4
160°-170°	23.5	0.2
170°-180°	7.1	0.1
0°-30°	4285.3	30.9
0°-40°	6413.3	46.2
0°-60°	9732.3	70.1
0°-90°	11525.8	83.0
90°-120°	1738.4	12.5
90°-150°	2274.8	16.4
90°-180°	2354.0	17.0
0°-180°	13880.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8079	8079	8079	8079	8079	
5°	8063	7856	7395	7052	6874	771
15°	8124	6622	5259	4677	4465	2304
25°	8178	5120	3522	3126	3026	3778
35°	7885	3404	2556	2476	2475	4902
45°	6234	2156	1852	1897	1929	4749
55°	3300	1336	1209	1311	1358	2982
65°	1180	775	700	896	996	1228
75°	364	418	470	730	774	406
85°	64	173	344	478	439	77
90°	4	100	237	331	339	7
95°	46	140	314	423	458	136
105°	817	836	810	655	620	776
115°	568	589	651	671	668	572
125°	282	300	337	348	345	264
135°	169	174	190	202	204	134
145°	126	130	134	141	141	80
155°	103	107	109	111	109	47
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



TEST NUMBER: P827686

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8079.0	8079.0	8079.0	8079.0	8079.0
2.5°	8062.1	8015.9	7872.1	7784.5	7710.6
5°	8062.8	7855.9	7394.6	7051.7	6874.1
7.5°	8074.4	7614.5	6783.4	6282.8	6087.5
10°	8092.1	7315.4	6212.8	5679.2	5497.0
12.5°	8105.1	6978.7	5710.7	5162.5	4962.5
15°	8124.3	6621.9	5259.3	4677.3	4465.1
17.5°	8142.0	6285.8	4813.4	4205.2	3969.2
20°	8159.7	5923.7	4367.4	3740.7	3546.2
22.5°	8176.6	5541.5	3932.2	3380.1	3247.2
25°	8178.2	5120.2	3521.6	3125.7	3026.4
27.5°	8158.2	4683.5	3188.7	2912.7	2851.2
30°	8123.6	4259.8	2930.3	2758.8	2715.0
32.5°	8037.4	3827.6	2730.4	2610.4	2585.0
35°	7885.2	3404.0	2555.9	2475.9	2475.1
37.5°	7645.3	3027.9	2366.7	2352.9	2369.8
40°	7290.8	2698.9	2187.6	2224.5	2224.5
42.5°	6818.0	2412.9	2025.3	2063.0	2053.0
45°	6233.5	2156.1	1852.3	1896.9	1929.2
47.5°	5556.2	1930.0	1675.4	1761.6	1806.1
50°	4819.5	1714.6	1514.0	1623.9	1674.7
52.5°	4047.6	1515.5	1356.4	1482.5	1523.2
55°	3300.2	1336.3	1208.7	1311.0	1357.9
57.5°	2623.5	1165.7	1064.2	1161.1	1257.9
60°	2041.4	1018.8	928.0	1066.5	1163.4
62.5°	1559.4	888.1	800.4	978.1	1074.9
65°	1180.2	775.0	699.7	896.5	996.5
67.5°	889.7	677.4	621.3	837.4	935.0
70°	668.2	582.8	558.2	800.4	888.1
72.5°	493.6	495.9	508.3	768.2	835.0
75°	364.5	417.5	469.8	729.7	773.5
77.5°	260.7	346.0	435.2	683.5	699.0
80°	180.7	282.2	399.1	622.8	609.7
82.5°	113.0	226.1	366.7	555.9	519.8
85°	63.9	173.0	343.7	478.3	439.1
87.5°	28.5	129.2	300.6	372.9	348.3
90°	4.0	99.7	237.2	330.8	338.8
92.5°	15.3	96.4	241.9	339.3	357.4
95°	45.9	140.5	314.4	422.7	457.7
97.5°	221.3	279.8	417.6	527.8	563.7
100°	450.8	513.7	533.8	607.9	622.9
102.5°	694.9	722.4	638.7	633.1	632.8
105°	816.9	835.7	809.9	655.0	620.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	660.8	688.9	746.0	752.8	730.8
115°	567.9	588.9	651.1	671.1	668.5
117.5°	487.7	500.1	557.9	576.3	578.0
120°	405.3	423.4	476.8	489.0	484.1
122.5°	341.4	357.3	400.6	412.1	406.4
125°	282.4	300.1	337.2	348.0	344.8
127.5°	239.7	251.7	285.2	296.7	295.1
130°	209.8	217.8	244.3	255.8	256.6
132.5°	186.3	193.5	213.0	227.1	226.3
135°	169.3	174.1	189.8	202.2	203.8
137.5°	155.6	160.4	171.4	183.7	183.7
140°	143.5	148.2	156.9	167.7	168.5
142.5°	133.8	137.7	144.0	153.3	153.3
145°	126.4	130.5	134.4	141.4	141.4
147.5°	119.1	123.9	126.3	131.8	131.0
150°	113.5	117.5	119.9	122.9	123.0
152.5°	107.8	111.8	114.2	116.6	115.8
155°	103.0	106.9	109.3	110.9	109.4
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	820.1	848.8	871.1	740.8	647.6
110°	757.9	786.7	828.7	794.9	721.1



(END OF REPORT)