

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: P827691

Luminaire Tested: **OHBL-18HE-A-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827691  
REPORT IS A COMBINATION OF REPORTS P826059 AND G3-2310-221-12  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-18HE-A-UNV-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

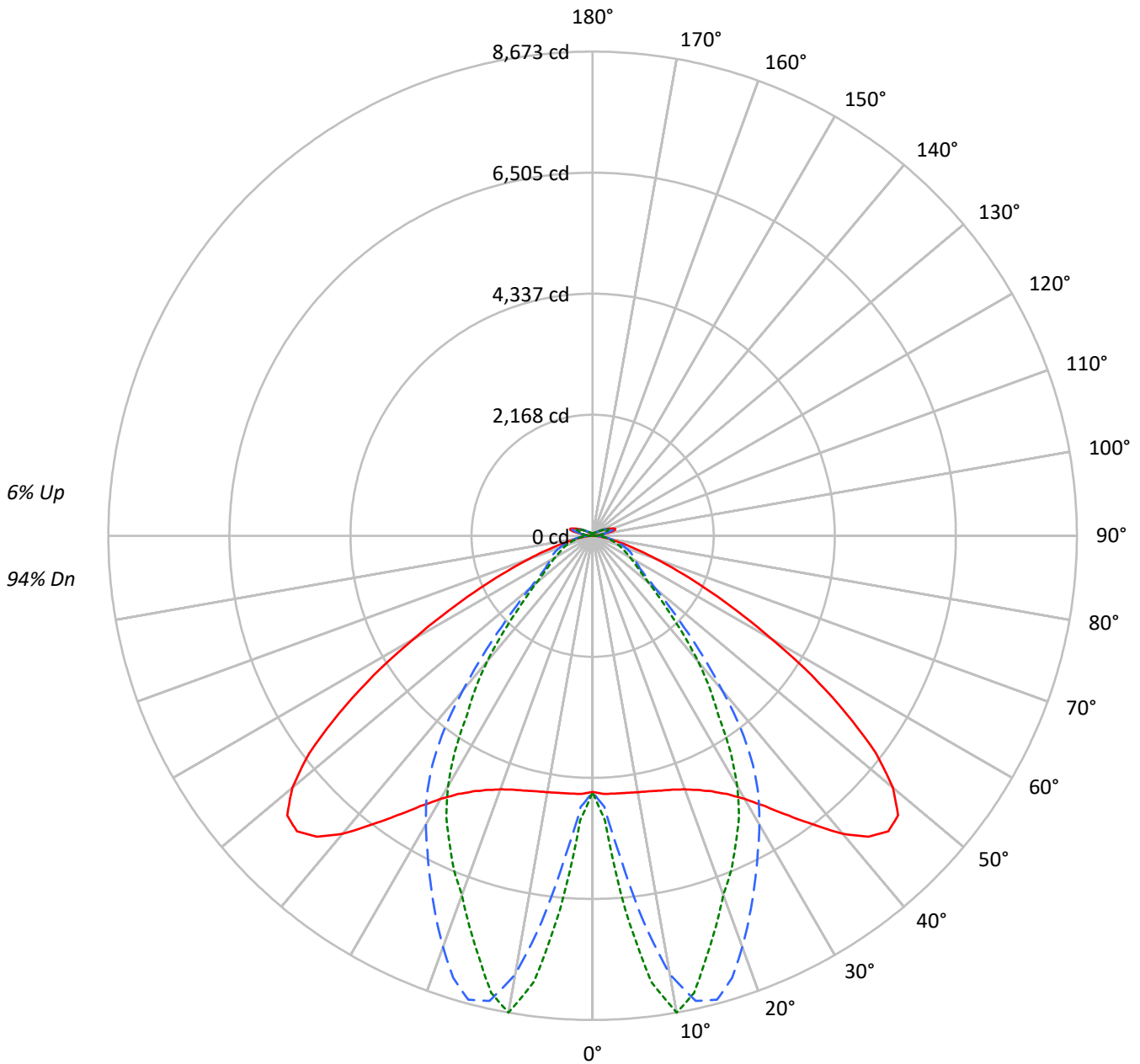
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15734.5 lumens  
Efficiency: N/A  
Efficacy: 141.2 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 111.4  
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									
RC	80									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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94																			
1	109	105	102	98	106	102	99	96	97	94	92	92	90	88	87	86	84	82																			
2	101	94	88	83	98	92	86	82	87	83	79	83	79	76	79	76	74	71																			
3	93	84	77	72	90	82	76	71	78	73	69	75	71	67	72	68	65	63																			
4	86	76	68	63	84	74	67	62	71	65	60	68	63	59	65	61	57	55																			
5	80	69	61	55	78	67	60	55	65	58	53	62	57	52	60	55	51	49																			
6	75	63	55	49	72	62	54	49	59	53	48	57	51	47	55	50	46	44																			
7	70	57	50	44	68	56	49	44	54	48	43	52	47	42	51	46	42	40																			
8	65	53	45	40	63	52	45	40	50	44	39	48	43	38	47	42	38	36																			
9	61	49	41	36	59	48	41	36	46	40	36	45	39	35	44	38	35	33																			
10	57	45	38	33	56	45	38	33	43	37	33	42	36	32	41	35	32	30																			

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

	0°	45°	90°
0°	7839	7839	7839
5°	7879	9859	11491
10°	7949	13593	14926
15°	8139	14808	13699
20°	8475	13739	12243
25°	9093	12356	11199
30°	10140	11126	9958
35°	11920	9738	7935
40°	14333	7416	6315
45°	16441	5052	4495
50°	16668	3466	3325
55°	14427	2727	2716
60°	10777	2552	2443
65°	7387	2560	2315
70°	4723	2469	2242
75°	2840	2285	2145
80°	1671	2008	2213
85°	804	1725	2052



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	599.2	3.8
10°-20°	2114.8	13.4
20°-30°	3116.2	19.8
30°-40°	3274.7	20.8
40°-50°	2505.7	15.9
50°-60°	1513.1	9.6
60°-70°	923.3	5.9
70°-80°	504.0	3.2
80°-90°	179.4	1.1
90°-100°	96.2	0.6
100°-110°	334.6	2.1
110°-120°	287.4	1.8
120°-130°	137.7	0.9
130°-140°	68.9	0.4
140°-150°	40.1	0.3
150°-160°	23.4	0.1
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	5830.2	37.1
0°-40°	9104.9	57.9
0°-60°	13123.7	83.4
0°-90°	14730.4	93.6
90°-120°	718.2	4.6
90°-150°	964.9	6.1
90°-180°	1004.0	6.4
0°-180°	15734.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4590	4590	4590	4590	4590	
5°	4636	4973	5802	6478	6728	443
15°	4726	7361	8603	8028	7839	1344
25°	5050	8543	6868	6218	6064	2360
35°	6117	6841	5004	4167	3923	3881
45°	7487	3904	2305	2028	1943	5657
55°	5537	1324	1049	972	970	4893
65°	2220	838	772	660	627	2275
75°	591	521	478	394	378	680
85°	88	162	190	174	158	109
90°	2	15	19	25	28	6
95°	20	47	70	94	108	66
105°	418	413	352	250	230	395
115°	291	291	292	289	284	291
125°	142	148	151	150	150	133
135°	82	85	88	89	89	66
145°	61	62	63	64	65	38
155°	48	49	50	51	51	23
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4589.6	4589.6	4589.6	4589.6	4589.6
2.5°	4627.2	4674.4	4860.6	5053.9	5100.9
5°	4635.6	4973.4	5801.7	6478.1	6728.2
7.5°	4645.5	5457.7	6967.8	7796.0	8061.1
10°	4664.2	6070.2	7978.2	8572.8	8673.0
12.5°	4687.4	6719.1	8534.2	8512.6	8386.2
15°	4726.0	7360.8	8602.8	8027.6	7838.9
17.5°	4766.5	7903.9	8304.0	7499.8	7335.5
20°	4832.5	8306.9	7839.3	7030.6	6843.8
22.5°	4927.5	8528.6	7352.0	6606.3	6484.4
25°	5050.1	8542.9	6868.1	6218.0	6064.5
27.5°	5214.5	8344.7	6404.2	5837.5	5675.4
30°	5438.1	7965.2	5973.2	5378.8	5177.7
32.5°	5741.8	7419.1	5528.8	4824.9	4599.4
35°	6117.2	6841.2	5003.5	4166.9	3923.2
37.5°	6527.0	6199.7	4366.1	3584.1	3442.2
40°	6967.8	5538.6	3610.5	3038.8	2937.2
42.5°	7311.9	4819.8	2908.6	2525.2	2417.2
45°	7487.2	3903.7	2304.8	2028.1	1942.9
47.5°	7418.9	3030.3	1827.2	1611.5	1585.9
50°	7020.4	2237.5	1462.7	1327.4	1316.9
52.5°	6397.3	1667.8	1208.2	1124.6	1106.3
55°	5537.0	1323.7	1049.2	972.4	969.5
57.5°	4648.8	1124.6	952.4	892.9	872.3
60°	3701.4	1002.7	879.0	811.8	769.9
62.5°	2901.4	917.5	825.0	733.9	694.8
65°	2219.8	838.0	771.9	660.5	626.9
67.5°	1654.7	762.3	707.0	583.4	563.7
70°	1205.6	684.5	632.9	518.8	503.3
72.5°	859.3	607.0	559.0	458.2	441.0
75°	591.1	521.1	478.0	394.4	378.5
77.5°	398.8	433.6	398.3	336.8	330.0
80°	266.3	343.9	322.2	285.3	281.2
82.5°	161.6	249.5	254.3	232.1	220.8
85°	87.9	161.6	190.5	173.5	157.5
87.5°	34.4	89.6	131.3	117.9	111.0
90°	2.4	14.6	19.4	25.1	28.3
92.5°	7.3	18.6	30.7	43.6	47.7
95°	20.2	46.9	69.5	93.8	108.3
97.5°	109.1	118.8	134.2	158.4	166.5
100°	223.1	240.1	199.7	208.6	212.6
102.5°	354.9	350.0	255.4	231.2	227.1
105°	417.9	413.1	352.4	249.8	229.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	337.9	340.3	337.9	325.0	311.2
115°	291.0	291.0	291.8	289.4	284.5
117.5°	244.1	247.4	249.8	247.4	245.7
120°	204.5	209.4	211.0	207.7	207.7
122.5°	172.2	176.2	178.6	176.2	177.0
125°	142.3	147.9	151.2	149.5	150.4
127.5°	118.8	123.7	129.3	128.5	128.5
130°	103.5	106.7	110.7	111.6	111.6
132.5°	92.2	94.6	97.8	98.6	99.4
135°	82.4	84.9	88.1	88.9	88.9
137.5°	76.0	77.6	80.0	80.8	81.6
140°	69.5	71.9	73.6	74.4	74.4
142.5°	64.7	66.3	67.9	68.7	69.5
145°	60.6	62.2	63.0	63.9	64.7
147.5°	56.6	58.2	59.8	59.8	60.6
150°	54.2	55.0	55.8	56.6	56.6
152.5°	50.9	51.7	52.5	53.4	53.4
155°	48.5	49.3	50.1	50.9	50.9
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	420.3	422.0	388.8	301.5	249.8
110°	384.8	390.4	372.6	339.5	298.3



(END OF REPORT)