

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: P828575

Luminaire Tested: **OHBL-15HE-NL-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828575  
REPORT IS A COMBINATION OF REPORTS P826111 AND G3-2310-221-10  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15HE-NL-UNV-L950-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

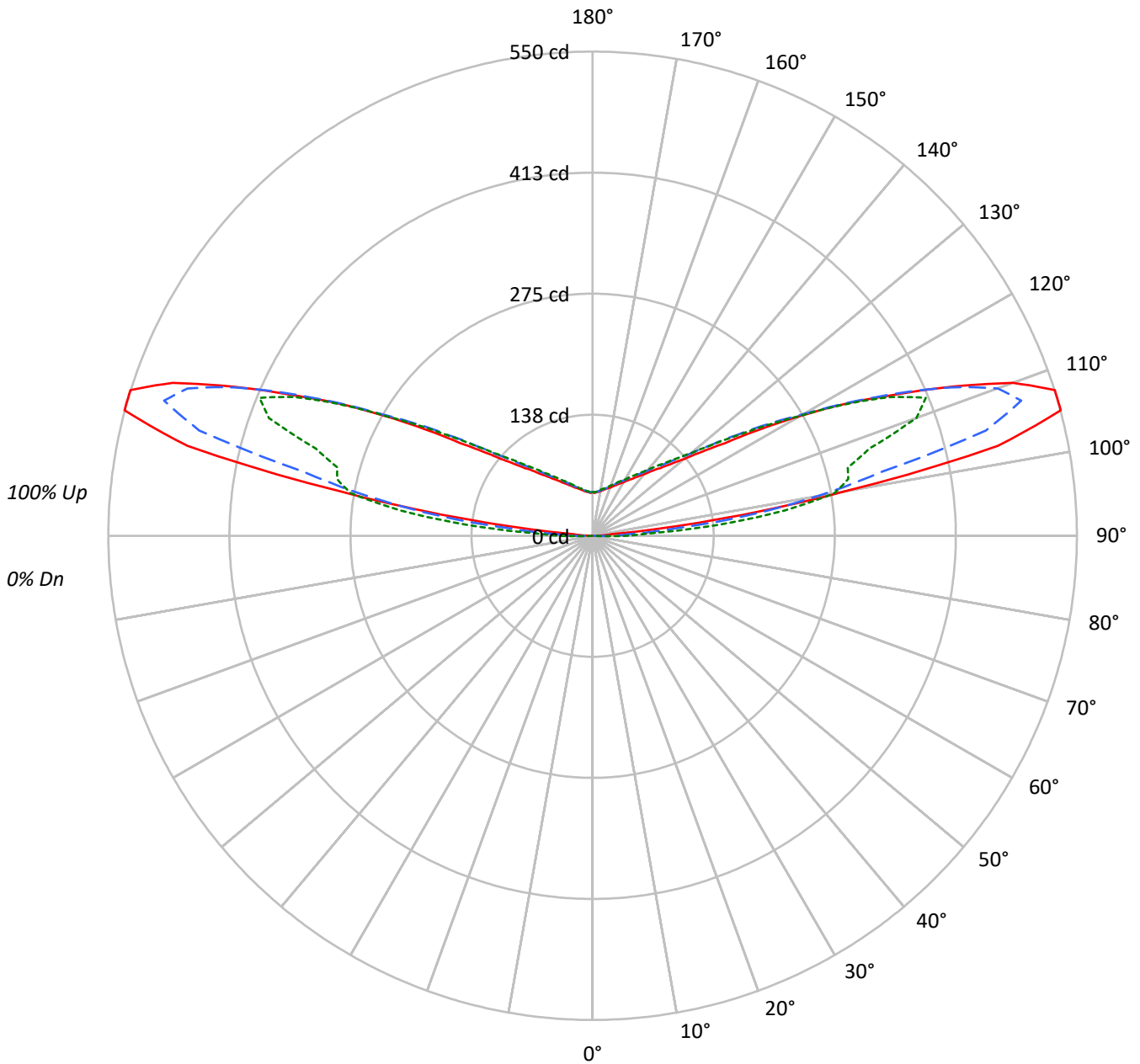
Lumens per Lamp: N/A  
Luminaire Lumens: 1320.9 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')  
CIE Type: Indirect

Input Watts (W): 10.3  
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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	10	10	10	0																
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	9	9	9	9	0																
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	7	7	7	0																
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	6	6	6	0																
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0																
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0																
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	4	4	4	0																
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	3	3	3	0																
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	3	3	3	0																
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	2	2	2	2	0																
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	2	2	2	0																

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

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	3.3	0.3
90°-100°	126.6	9.6
100°-110°	438.7	33.2
110°-120°	377.0	28.5
120°-130°	180.9	13.7
130°-140°	90.4	6.8
140°-150°	52.5	4.0
150°-160°	30.6	2.3
160°-170°	15.9	1.2
170°-180°	4.8	0.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.3	0.3
90°-120°	942.3	71.3
90°-150°	1266.2	95.9
90°-180°	1318.0	99.8
0°-180°	1320.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	3	19	25	33	37	2
95°	24	63	93	124	144	87
105°	550	542	462	327	300	521
115°	379	379	383	381	373	383
125°	184	194	199	197	196	173
135°	109	112	115	116	117	86
145°	79	81	83	84	84	51
155°	64	64	66	66	67	30
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	2.6	19.1	25.2	33.0	37.4
92.5°	8.7	24.3	40.0	55.6	64.3
95°	24.3	62.6	93.0	123.5	143.5
97.5°	144.3	162.6	177.4	204.3	220.0
100°	293.0	316.5	260.0	273.0	279.1
102.5°	471.2	455.6	336.5	302.6	297.4
105°	550.4	542.5	462.5	326.9	300.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	442.5	448.6	440.8	425.2	409.5
115°	379.1	379.1	382.6	380.8	373.0
117.5°	325.2	323.4	326.9	325.2	323.4
120°	271.3	274.7	275.6	273.9	273.0
122.5°	224.3	231.3	235.6	233.0	232.1
125°	183.5	193.9	199.1	197.4	196.5
127.5°	156.5	162.6	169.5	169.5	167.8
130°	135.6	140.0	145.2	146.1	146.1
132.5°	120.9	124.3	128.7	129.5	130.4
135°	108.7	112.2	114.8	116.5	117.4
137.5°	100.0	101.7	105.2	106.1	106.9
140°	91.3	93.9	96.5	97.4	98.2
142.5°	85.2	86.9	88.7	90.4	90.4
145°	79.1	80.9	82.6	84.3	84.3
147.5°	74.8	76.5	78.2	78.2	79.1
150°	70.4	72.2	73.0	73.9	73.9
152.5°	66.9	67.8	69.6	69.6	70.4
155°	63.5	64.3	66.1	66.1	66.9
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	550.4	551.2	510.4	393.0	329.5
110°	507.8	512.1	489.5	445.2	391.2



(END OF REPORT)