

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: P828663

Luminaire Tested: **OHBL-30HE-A-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828663  
REPORT IS A COMBINATION OF REPORTS P826119 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-30HE-A-UNV-L950-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

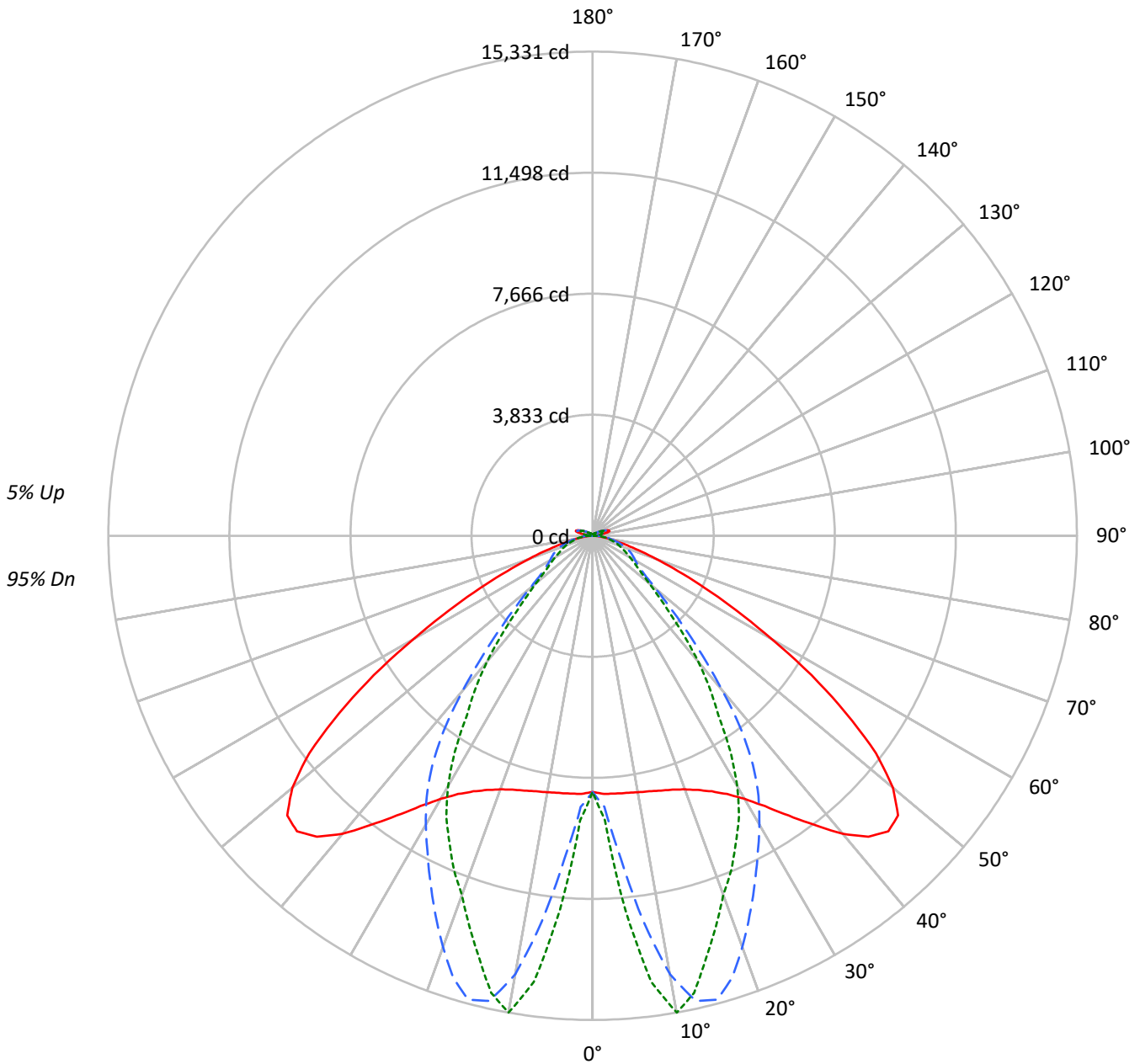
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27355.5 lumens  
Efficiency: N/A  
Efficacy: 157.1 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 174.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

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

	0°	45°	90°
0°	12831	12831	12831
5°	12904	16145	18808
10°	13028	22269	24430
15°	13347	24270	22423
20°	13908	22529	20039
25°	14933	20271	18330
30°	16663	18263	16299
35°	19605	15994	12988
40°	23595	12187	10337
45°	27092	8309	7357
50°	27498	5704	5442
55°	23835	4494	4445
60°	17834	4210	3999
65°	12251	4229	3788
70°	7856	4088	3669
75°	4744	3795	3510
80°	2811	3350	3622
85°	1371	2903	3358



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1059.2	3.9
10°-20°	3738.3	13.7
20°-30°	5508.6	20.1
30°-40°	5788.7	21.2
40°-50°	4429.4	16.2
50°-60°	2674.7	9.8
60°-70°	1632.2	6.0
70°-80°	890.9	3.3
80°-90°	316.0	1.2
90°-100°	126.6	0.5
100°-110°	438.7	1.6
110°-120°	377.0	1.4
120°-130°	180.9	0.7
130°-140°	90.4	0.3
140°-150°	52.5	0.2
150°-160°	30.6	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	10306.1	37.7
0°-40°	16094.8	58.8
0°-60°	23198.9	84.8
0°-90°	26038.0	95.2
90°-120°	942.3	3.4
90°-150°	1266.2	4.6
90°-180°	1318.0	4.8
0°-180°	27355.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8113	8113	8113	8113	8113	
5°	8194	8792	10256	11452	11893	783
15°	8354	13012	15207	14191	13857	2375
25°	8927	15102	12141	10992	10720	4172
35°	10814	12094	8845	7366	6935	6860
45°	13235	6901	4074	3585	3434	10000
55°	9788	2340	1855	1719	1714	8649
65°	3924	1481	1364	1168	1108	4021
75°	1045	921	845	697	669	1202
85°	156	286	337	307	278	192
90°	3	19	25	33	37	10
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°	8113.1	8113.1	8113.1	8113.1	<i>8113.1</i>
2.5°	8179.6	8263.0	8592.2	8933.8	<i>9016.9</i>
5°	8194.5	8791.5	10255.9	11451.5	<i>11893.4</i>
7.5°	8211.9	9647.7	12317.2	13781.1	<i>14249.8</i>
10°	<i>8244.9</i>	<i>10730.3</i>	<i>14103.3</i>	<i>15154.3</i>	<i>15331.4</i>
12.5°	8286.0	11877.4	15086.2	15047.8	<i>14824.5</i>
15°	8354.2	13011.9	15207.2	14190.6	<i>13856.9</i>
17.5°	8425.9	13971.8	14679.1	13257.5	<i>12967.1</i>
20°	8542.4	14684.3	13857.6	12428.2	<i>12098.0</i>
22.5°	8710.4	15076.1	12996.3	11678.0	<i>11462.8</i>
25°	8927.2	15101.5	12140.7	10991.7	<i>10720.2</i>
27.5°	9217.7	14751.1	11320.8	10319.2	<i>10032.5</i>
30°	9612.9	14080.3	10558.9	9508.2	<i>9152.6</i>
32.5°	10149.7	13114.9	9773.3	8529.2	<i>8130.5</i>
35°	10813.5	12093.5	8844.8	7365.8	<i>6935.1</i>
37.5°	11537.9	10959.3	7717.9	6335.6	<i>6084.8</i>
40°	12317.2	9790.7	6382.2	5371.6	<i>5192.1</i>
42.5°	12925.3	8520.1	5141.6	4464.0	<i>4273.0</i>
45°	13235.3	6900.7	4074.3	3585.2	<i>3434.5</i>
47.5°	13114.5	5356.6	3229.9	2848.6	<i>2803.4</i>
50°	12410.0	3955.3	2585.6	2346.6	<i>2327.9</i>
52.5°	11308.6	2948.1	2135.8	1987.9	<i>1955.6</i>
55°	9787.9	2340.0	1854.7	1719.0	<i>1713.8</i>
57.5°	8217.8	1987.9	1683.5	1578.5	<i>1541.9</i>
60°	6543.0	1772.5	1553.7	1435.1	<i>1361.0</i>
62.5°	5128.8	1621.9	1458.4	1297.3	<i>1228.1</i>
65°	3924.0	1481.4	1364.5	1167.6	<i>1108.1</i>
67.5°	2925.2	1347.5	1249.7	1031.2	<i>996.4</i>
70°	2131.3	1210.0	1118.9	917.1	<i>889.6</i>
72.5°	1518.9	1072.9	988.0	809.9	<i>779.6</i>
75°	1044.7	921.3	845.1	697.2	<i>669.0</i>
77.5°	704.9	766.4	704.2	595.2	<i>583.4</i>
80°	470.7	607.8	569.5	504.5	<i>497.1</i>
82.5°	285.6	441.2	449.5	410.2	<i>390.4</i>
85°	155.5	285.6	336.7	306.8	<i>278.3</i>
87.5°	60.9	158.3	232.1	208.4	<i>196.2</i>
90°	2.6	19.1	25.2	33.0	<i>37.4</i>
92.5°	8.7	24.3	40.0	55.6	<i>64.3</i>
95°	24.3	62.6	93.0	123.5	<i>143.5</i>
97.5°	144.3	162.6	177.4	204.3	<i>220.0</i>
100°	293.0	316.5	260.0	273.0	<i>279.1</i>
102.5°	471.2	455.6	336.5	302.6	<i>297.4</i>
105°	550.4	542.5	462.5	326.9	<i>300.0</i>



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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)