

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: P827768

Luminaire Tested: **OHBL-30HE-MFL-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827768  
REPORT IS A COMBINATION OF REPORTS P826277 AND G3-2310-221-4  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30HE-MFL-UNV-L930-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

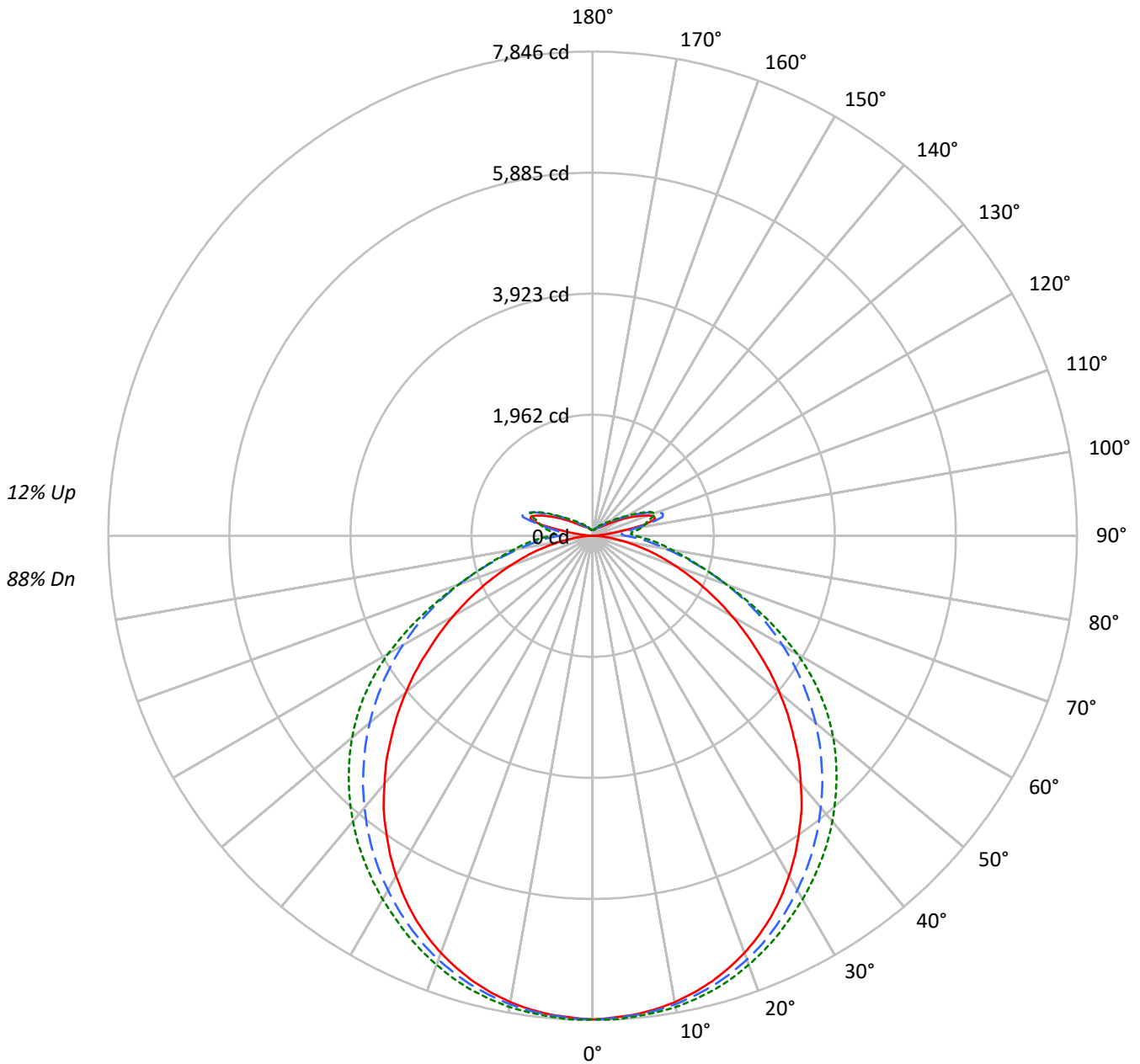
Lumens per Lamp: N/A  
Luminaire Lumens: 25935.4 lumens  
Efficiency: N/A  
Efficacy: 138.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 187  
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	50	30	10	50	30	10	50	30	10	0															
RCR																																													
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																											
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72																											
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																											
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50																											
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	49	45	43																											
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37																											
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																											
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29																											
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25																											
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																											
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																											

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

	0°	45°	90°
0°	12397	12397	12397
5°	12265	12279	12369
10°	12128	12171	12356
15°	11941	12041	12324
20°	11709	11883	12253
25°	11417	11685	12182
30°	11034	11471	12114
35°	10581	11243	12068
40°	10047	10979	12030
45°	9428	10692	11971
50°	8757	10403	11892
55°	7946	10049	11709
60°	7117	9631	11246
65°	6217	9098	10415
70°	5247	8418	9526
75°	4260	7632	9059
80°	3058	7064	9490
85°	1725	7342	11898



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	742.7	2.9
10°-20°	2130.8	8.2
20°-30°	3222.5	12.4
30°-40°	3868.6	14.9
40°-50°	3995.7	15.4
50°-60°	3594.9	13.9
60°-70°	2708.0	10.4
70°-80°	1635.1	6.3
80°-90°	805.0	3.1
90°-100°	528.0	2.0
100°-110°	1057.3	4.1
110°-120°	825.0	3.2
120°-130°	399.9	1.5
130°-140°	203.0	0.8
140°-150°	115.4	0.4
150°-160°	64.1	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
0°-30°	6096.1	23.5
0°-40°	9964.7	38.4
0°-60°	17555.3	67.7
0°-90°	22703.4	87.5
90°-120°	2410.2	9.3
90°-150°	3128.5	12.1
90°-180°	3232.0	12.5
0°-180°	25935.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7839	7839	7839	7839	7839	
5°	7789	7810	7800	7831	7821	740
15°	7474	7510	7545	7608	7616	2107
25°	6826	6900	6998	7108	7125	3140
35°	5836	5972	6218	6406	6444	3648
45°	4606	4838	5243	5529	5588	3556
55°	3263	3601	4148	4460	4514	2926
65°	1991	2398	2935	3081	3046	1978
75°	938	1347	1700	1744	1726	1001
85°	196	516	852	969	986	226
90°	6	235	531	663	688	16
95°	56	229	478	607	635	175
105°	1046	1119	1171	997	922	988
115°	728	757	843	890	883	730
125°	366	382	450	474	475	342
135°	220	228	255	288	296	173
145°	170	170	176	193	199	107
155°	140	144	144	143	145	62
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7838.6	7838.6	7838.6	<i>7838.6</i>	7838.6
2.5°	<i>7815.5</i>	<i>7834.7</i>	<i>7823.2</i>	<i>7848.1</i>	<i>7846.2</i>
5°	7788.7	7809.8	7800.2	<i>7830.9</i>	7821.3
7.5°	7742.6	7765.7	7763.7	<i>7798.2</i>	7794.4
10°	7675.4	7700.4	7708.1	<i>7754.1</i>	7754.1
12.5°	7583.4	7616.0	7635.2	<i>7690.8</i>	7692.7
15°	7474.1	7510.5	7545.1	<i>7608.4</i>	7616.0
17.5°	7341.7	7387.8	7435.7	<i>7508.6</i>	7518.1
20°	7192.1	7243.9	7309.1	<i>7385.8</i>	7397.3
22.5°	7019.4	7080.8	7165.2	<i>7255.4</i>	7268.8
25°	6825.6	6900.4	6998.3	<i>7107.7</i>	7124.9
27.5°	6605.1	6691.4	6823.7	<i>6946.5</i>	6961.9
30°	6365.2	6466.9	6631.9	<i>6777.7</i>	6802.6
32.5°	6112.0	6229.0	6432.4	<i>6595.4</i>	6630.0
35°	5835.8	5972.0	6217.5	<i>6405.5</i>	6443.9
37.5°	5563.4	5713.0	5991.1	<i>6206.0</i>	6252.1
40°	5244.9	5430.9	5749.4	<i>5987.3</i>	6042.9
42.5°	4945.6	5147.1	5507.7	<i>5766.7</i>	5820.4
45°	4606.0	4838.2	5242.9	<i>5528.8</i>	5588.3
47.5°	4287.6	4539.0	4987.8	<i>5283.3</i>	5344.6
50°	3951.9	4228.1	4715.4	<i>5024.3</i>	5087.6
52.5°	3616.2	3913.5	4433.4	<i>4753.8</i>	4813.2
55°	3263.2	3600.8	4147.6	<i>4460.2</i>	4514.0
57.5°	2935.1	3291.9	3854.1	<i>4151.4</i>	4184.0
60°	2610.9	2981.2	3554.8	<i>3815.7</i>	3827.2
62.5°	2294.4	2683.8	3247.8	<i>3455.1</i>	3439.7
65°	1991.3	2398.0	2935.1	<i>3081.0</i>	3046.4
67.5°	1699.7	2119.9	2614.8	<i>2708.8</i>	2662.7
70°	1423.5	1849.3	2304.0	<i>2351.9</i>	2309.7
72.5°	1179.8	1592.3	1989.4	<i>2029.6</i>	1998.9
75°	938.1	1346.7	1699.7	<i>1743.8</i>	1726.5
77.5°	711.7	1108.8	1433.0	<i>1490.6</i>	1494.4
80°	512.2	892.1	1200.9	<i>1291.1</i>	1302.5
82.5°	337.6	692.5	1007.2	<i>1122.3</i>	1139.5
85°	195.7	516.0	851.7	<i>968.8</i>	986.1
87.5°	84.4	372.2	684.9	<i>790.4</i>	811.5
90°	5.7	234.6	530.9	<i>663.2</i>	688.1
92.5°	22.7	208.1	471.6	<i>598.8</i>	621.5
95°	55.7	229.2	477.6	<i>607.3</i>	635.1
97.5°	292.8	394.8	559.0	<i>686.9</i>	735.7
100°	566.8	686.6	711.7	<i>799.5</i>	818.8
102.5°	887.7	980.7	936.6	<i>888.0</i>	877.1
105°	1045.7	1119.0	1171.4	<i>997.3</i>	922.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	843.1	886.0	980.8	1020.2	1008.5
115°	728.3	757.1	842.6	890.0	883.1
117.5°	618.7	643.8	722.2	757.9	757.2
120°	523.3	545.9	613.4	646.8	648.0
122.5°	440.1	461.7	529.1	556.6	555.2
125°	366.2	382.4	449.7	474.5	475.4
127.5°	310.9	322.0	379.2	412.9	414.6
130°	269.7	278.1	328.3	362.5	367.5
132.5°	241.4	250.9	287.2	320.3	327.2
135°	219.5	227.5	255.3	288.1	295.8
137.5°	200.1	209.7	229.0	259.2	266.8
140°	188.3	194.3	207.9	232.6	241.0
142.5°	178.2	181.4	189.2	211.9	218.5
145°	169.5	170.1	176.0	192.9	198.7
147.5°	159.8	163.0	166.3	175.6	181.3
150°	152.5	156.9	158.2	160.9	167.5
152.5°	146.1	149.6	150.1	149.9	153.7
155°	139.6	144.0	143.6	143.4	145.3
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1044.9	1115.0	1194.1	<i>1128.3</i>	1024.6
110°	959.2	1024.1	1107.5	<i>1120.0</i>	1073.0



(END OF REPORT)