

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: P826571

Luminaire Tested: **OHBL-30HE-NL-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P826571  
REPORT IS A COMBINATION OF REPORTS P826123 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-NL-UNV-L830-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

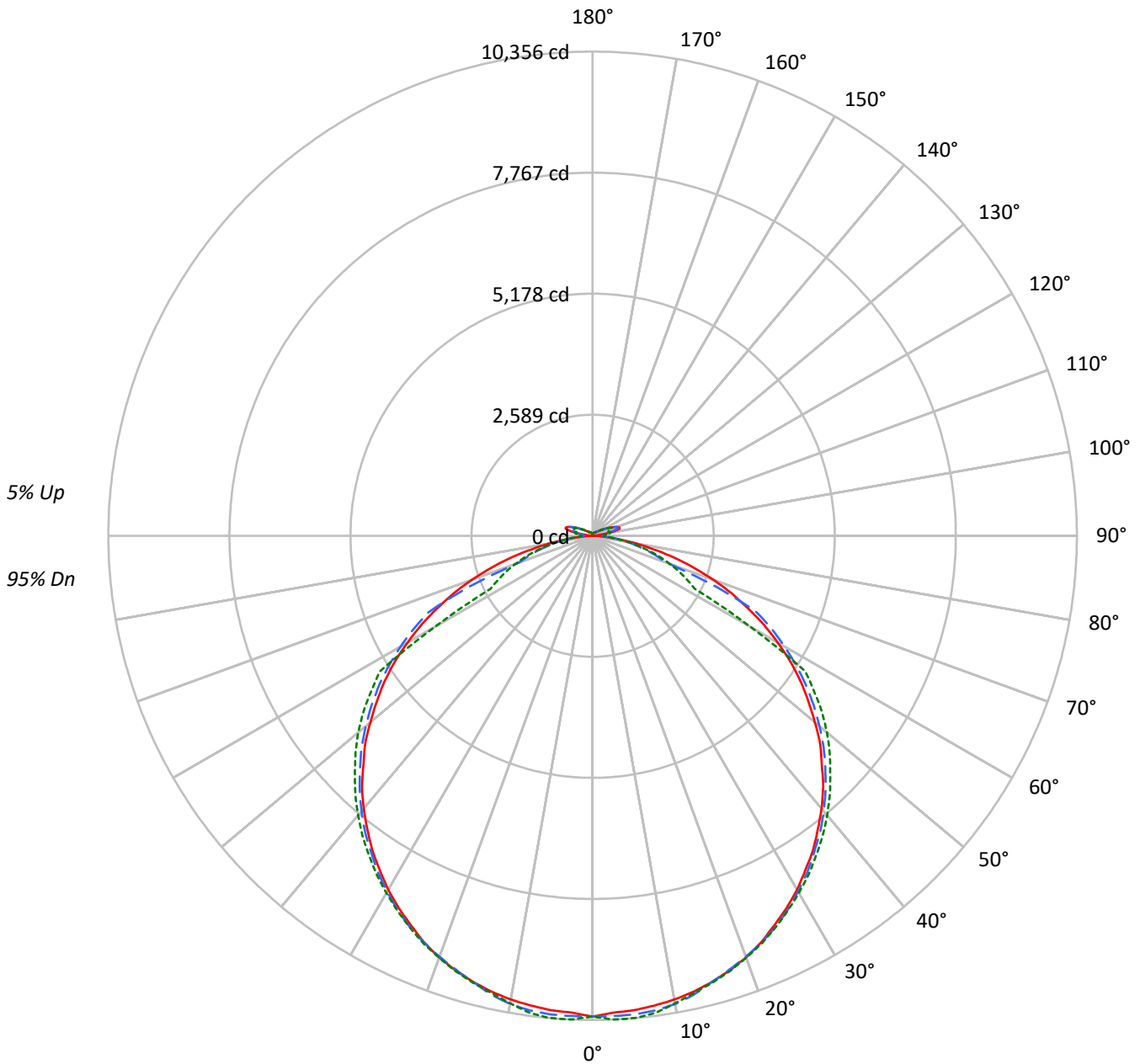
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30278.6 lumens  
Efficiency: N/A  
Efficacy: 173.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')  
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				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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	97	97	97	95
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	83	83	83	80
2	99	91	84	79	95	88	82	77	84	79	75	80	76	72	76	73	70	70	70	70	67
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	59	59	59	57
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	51	51	51	49
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	44	44	44	42
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	39	39	39	37
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	35	35	35	33
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	31	31	31	29
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	28	28	28	26
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	25	25	25	24

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

	0°	45°	90°
0°	16259	16259	16259
5°	16091	16233	16400
10°	16017	16162	16231
15°	15934	15921	16089
20°	15829	15791	16010
25°	15633	15696	15936
30°	15468	15527	15867
35°	15267	15326	15805
40°	15023	15136	15758
45°	14681	14869	15660
50°	14316	14568	15598
55°	13871	14185	15333
60°	13200	13616	11845
65°	12233	12884	7890
70°	10985	6634	7543
75°	9148	6008	7032
80°	6459	5045	6158
85°	2622	4075	5328



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	976.7	3.2
10°-20°	2796.6	9.2
20°-30°	4255.3	14.1
30°-40°	5173.9	17.1
40°-50°	5440.1	18.0
50°-60°	4967.5	16.4
60°-70°	3184.4	10.5
70°-80°	1504.2	5.0
80°-90°	420.7	1.4
90°-100°	246.0	0.8
100°-110°	499.8	1.7
110°-120°	411.8	1.4
120°-130°	193.6	0.6
130°-140°	96.8	0.3
140°-150°	56.2	0.2
150°-160°	32.8	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	8028.7	26.5
0°-40°	13202.5	43.6
0°-60°	23610.1	78.0
0°-90°	28719.4	94.9
90°-120°	1157.6	3.8
90°-150°	1504.3	5.0
90°-180°	1559.0	5.1
0°-180°	30278.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10281	10281	10281	10281	10281	
5°	10185	10225	10277	10333	10355	969
15°	9877	9951	9875	9889	9897	2788
25°	9191	9206	9238	9253	9245	4241
35°	8215	8167	8260	8362	8338	5134
45°	6929	6916	7034	7200	7187	5356
55°	5430	5388	5571	5756	5771	4843
65°	3658	3658	3871	2221	2228	3627
75°	1808	1842	1196	1259	1264	1905
85°	236	300	373	404	382	349
90°	3	122	193	232	233	12
95°	31	119	219	293	314	96
105°	598	600	524	379	348	567
115°	415	418	427	420	401	416
125°	196	208	213	211	210	186
135°	116	120	123	125	126	92
145°	85	86	88	90	90	54
155°	68	69	71	71	72	32
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10281.0	10281.0	10281.0	10281.0	<i>10281.0</i>
2.5°	<i>10208.8</i>	<i>10243.1</i>	<i>10281.0</i>	<i>10329.6</i>	<i>10356.5</i>
5°	10185.2	10224.9	10277.3	10333.3	<i>10354.8</i>
7.5°	10134.9	10190.6	10241.2	10281.0	<i>10293.5</i>
10°	10071.6	10138.5	10167.2	10163.6	<i>10154.7</i>
12.5°	9986.8	10057.3	10048.3	10006.6	<i>10013.9</i>
15°	9876.8	9950.7	9875.1	9889.4	<i>9896.6</i>
17.5°	9746.9	9819.1	9730.7	9759.5	<i>9761.4</i>
20°	9595.4	9649.5	9580.9	9604.4	<i>9604.4</i>
22.5°	9413.2	9451.1	9422.2	9438.4	<i>9442.1</i>
25°	9191.3	9205.6	9238.1	9252.6	<i>9245.3</i>
27.5°	8978.6	8960.4	9023.6	9057.8	<i>9039.7</i>
30°	8742.1	8713.3	8787.1	8843.2	<i>8821.6</i>
32.5°	8471.5	8453.5	8538.3	8604.9	<i>8592.4</i>
35°	8215.3	8166.6	8260.4	8361.5	<i>8338.0</i>
37.5°	7912.2	7883.4	7989.8	8096.4	<i>8083.7</i>
40°	7616.4	7567.6	7688.6	7814.8	<i>7802.2</i>
42.5°	7299.0	7241.1	7372.9	7524.6	<i>7510.0</i>
45°	6929.0	6916.4	7033.7	7199.6	<i>7187.1</i>
47.5°	6600.9	6537.7	6701.8	6862.4	<i>6876.9</i>
50°	6203.8	6180.6	6330.3	6525.1	<i>6539.4</i>
52.5°	5816.1	5799.9	5956.7	6153.4	<i>6178.6</i>
55°	5429.9	5388.5	5570.7	5756.5	<i>5771.0</i>
57.5°	5017.0	4973.6	5159.5	5361.6	<i>5392.1</i>
60°	4574.8	4533.4	4737.2	4925.0	<i>3916.5</i>
62.5°	4132.9	4104.0	4317.0	3057.8	<i>2464.4</i>
65°	3658.5	3658.5	3871.2	2220.7	<i>2227.9</i>
67.5°	3214.8	3185.9	2886.5	1995.1	<i>1995.1</i>
70°	2738.4	2749.3	1663.2	1748.1	<i>1749.9</i>
72.5°	2260.4	2300.1	1436.0	1504.4	<i>1508.1</i>
75°	1807.5	1841.9	1196.0	1259.2	<i>1264.5</i>
77.5°	1327.8	1021.0	961.4	1010.3	<i>1012.1</i>
80°	932.6	644.0	736.1	782.9	<i>777.6</i>
82.5°	544.7	450.9	539.4	573.8	<i>571.8</i>
85°	236.3	299.5	373.4	404.1	<i>382.4</i>
87.5°	75.7	185.8	232.6	250.8	<i>248.8</i>
90°	2.8	121.5	193.0	231.9	<i>233.1</i>
92.5°	9.3	105.3	187.2	240.1	<i>251.1</i>
95°	31.4	119.3	218.8	292.8	<i>314.2</i>
97.5°	158.1	211.8	274.6	345.0	<i>365.3</i>
100°	317.2	369.2	334.2	382.4	<i>390.7</i>
102.5°	513.3	512.8	394.3	381.5	<i>377.8</i>
105°	598.0	600.5	523.9	378.7	<i>348.1</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	484.5	494.7	491.6	469.6	440.0
115°	414.7	418.3	427.4	420.1	400.9
117.5°	348.0	346.2	349.9	348.0	346.2
120°	290.3	294.1	295.0	293.1	292.2
122.5°	240.1	247.5	252.2	249.4	248.5
125°	196.3	207.5	213.1	211.2	210.3
127.5°	167.5	174.0	181.5	181.5	179.6
130°	145.2	149.8	155.4	156.3	156.3
132.5°	129.3	133.1	137.7	138.7	139.6
135°	116.3	120.0	122.8	124.7	125.6
137.5°	107.0	108.9	112.6	113.5	114.5
140°	97.7	100.5	103.3	104.2	105.2
142.5°	91.2	93.1	94.9	96.8	96.8
145°	84.7	86.5	88.4	90.3	90.3
147.5°	80.0	81.9	83.8	83.8	84.7
150°	75.4	77.2	78.2	79.1	79.1
152.5°	71.7	72.6	74.4	74.4	75.4
155°	67.9	68.9	70.7	70.7	71.7
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	598.0	607.9	571.5	436.8	358.0
110°	554.3	564.3	545.5	491.0	420.4



(END OF REPORT)