

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: P828067

Luminaire Tested: **OHBL-30HE-MFL-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828067  
REPORT IS A COMBINATION OF REPORTS P826121 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-MFL-UNV-L935-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

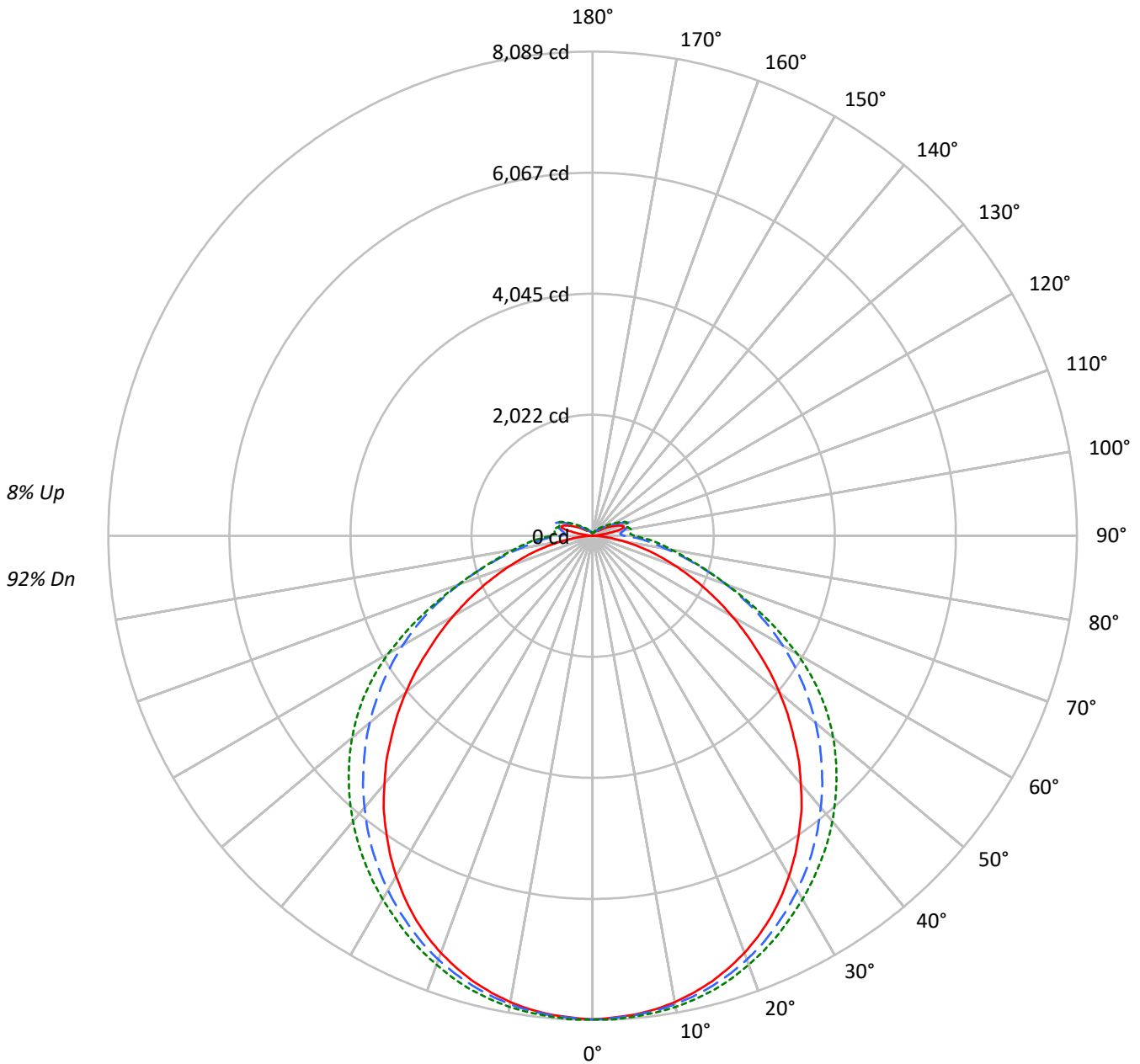
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25451.0 lumens  
Efficiency: N/A  
Efficacy: 146.2 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: 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

TEST NUMBER: P828067

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L935-CD-UPL15

### 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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

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

	0°	45°	90°
0°	12780	12780	12780
5°	12645	12659	12751
10°	12503	12547	12738
15°	12310	12414	12705
20°	12071	12251	12632
25°	11771	12047	12559
30°	11375	11825	12489
35°	10908	11590	12441
40°	10358	11319	12402
45°	9720	11023	12341
50°	9027	10725	12260
55°	8192	10359	12071
60°	7337	9929	11594
65°	6409	9379	10737
70°	5409	8678	9821
75°	4391	7868	9339
80°	3153	7283	9783
85°	1779	7570	12266



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	765.7	3.0
10°-20°	2196.7	8.6
20°-30°	3322.2	13.1
30°-40°	3988.3	15.7
40°-50°	4119.3	16.2
50°-60°	3706.0	14.6
60°-70°	2791.7	11.0
70°-80°	1685.7	6.6
80°-90°	827.7	3.3
90°-100°	468.4	1.8
100°-110°	618.6	2.4
110°-120°	477.6	1.9
120°-130°	239.2	0.9
130°-140°	121.3	0.5
140°-150°	67.2	0.3
150°-160°	35.6	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	6284.6	24.7
0°-40°	10272.9	40.4
0°-60°	18098.2	71.1
0°-90°	23403.3	92.0
90°-120°	1564.6	6.1
90°-150°	1992.3	7.8
90°-180°	2048.0	8.0
0°-180°	25451.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8081	8081	8081	8081	8081	
5°	8030	8051	8041	8073	8063	763
15°	7705	7743	7778	7844	7852	2172
25°	7037	7114	7215	7328	7345	3237
35°	6016	6157	6410	6604	6643	3761
45°	4748	4988	5405	5700	5761	3666
55°	3364	3712	4276	4598	4654	3016
65°	2053	2472	3026	3176	3141	2040
75°	967	1388	1752	1798	1780	1032
85°	202	532	878	999	1017	233
90°	2	226	526	664	694	15
95°	33	200	465	597	634	91
105°	541	601	661	598	584	513
115°	379	409	501	545	545	383
125°	192	208	272	306	311	180
135°	118	125	152	183	192	94
145°	96	95	99	116	122	60
155°	81	83	83	81	84	35
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



TEST NUMBER: P828067

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L935-CD-UPL15

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8081.0	8081.0	8081.0	<i>8081.0</i>	8081.0
2.5°	<i>8057.3</i>	<i>8077.0</i>	<i>8065.2</i>	<i>8090.8</i>	<i>8088.9</i>
5°	8029.6	8051.3	8041.4	<i>8073.1</i>	8063.2
7.5°	7982.1	8005.8	8003.8	<i>8039.4</i>	8035.5
10°	7912.8	7938.6	7946.5	<i>7993.9</i>	7993.9
12.5°	7817.9	7851.6	7871.3	<i>7928.7</i>	7930.7
15°	7705.2	7742.8	7778.4	<i>7843.7</i>	7851.6
17.5°	7568.8	7616.2	7665.7	<i>7740.8</i>	7750.7
20°	7414.5	7467.9	7535.2	<i>7614.3</i>	7626.1
22.5°	7236.5	7299.8	7386.8	<i>7479.8</i>	7493.6
25°	7036.8	7113.8	7214.8	<i>7327.5</i>	7345.2
27.5°	6809.3	6898.3	7034.8	<i>7161.3</i>	7177.2
30°	6562.1	6666.9	6837.0	<i>6987.3</i>	7013.0
32.5°	6301.0	6421.7	6631.3	<i>6799.4</i>	6835.0
35°	6016.2	6156.7	6409.8	<i>6603.6</i>	6643.2
37.5°	5735.4	5889.7	6176.4	<i>6397.9</i>	6445.4
40°	5407.1	5598.9	5927.2	<i>6172.5</i>	6229.8
42.5°	5098.6	5306.2	5678.1	<i>5945.0</i>	6000.4
45°	4748.5	4987.8	5405.1	<i>5699.8</i>	5761.1
47.5°	4420.2	4679.3	5142.1	<i>5446.7</i>	5509.9
50°	4074.1	4358.9	4861.2	<i>5179.7</i>	5244.9
52.5°	3728.0	4034.6	4570.5	<i>4900.8</i>	4962.1
55°	3364.1	3712.2	4275.8	<i>4598.2</i>	4653.6
57.5°	3025.9	3393.8	3973.2	<i>4279.8</i>	4313.4
60°	2691.7	3073.4	3664.8	<i>3933.7</i>	3945.6
62.5°	2365.3	2766.8	3348.2	<i>3561.9</i>	3546.1
65°	2052.9	2472.2	3025.9	<i>3176.2</i>	3140.6
67.5°	1752.2	2185.4	2695.7	<i>2792.6</i>	2745.1
70°	1467.5	1906.5	2375.3	<i>2424.7</i>	2381.2
72.5°	1216.3	1641.5	2050.9	<i>2092.4</i>	2060.8
75°	967.1	1388.3	1752.2	<i>1797.8</i>	1779.9
77.5°	733.8	1143.1	1477.3	<i>1536.7</i>	1540.7
80°	528.1	919.7	1238.1	<i>1331.0</i>	1342.8
82.5°	348.1	713.9	1038.3	<i>1157.0</i>	1174.8
85°	201.8	532.0	878.1	<i>998.8</i>	1016.6
87.5°	87.0	383.7	706.1	<i>814.8</i>	836.6
90°	2.5	226.0	526.5	<i>664.5</i>	694.4
92.5°	14.3	195.4	469.5	<i>603.2</i>	633.2
95°	33.2	200.4	464.9	<i>596.9</i>	633.9
97.5°	150.2	274.5	496.3	<i>613.2</i>	645.9
100°	292.7	406.2	532.0	<i>627.6</i>	649.2
102.5°	463.5	527.7	569.8	<i>610.4</i>	619.2
105°	541.3	601.1	660.9	<i>598.2</i>	584.2



TEST NUMBER: P828067

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L935-CD-UPL15

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	440.0	483.4	572.8	609.2	602.2
115°	379.2	408.8	501.2	545.0	545.4
117.5°	329.5	349.6	432.0	473.8	478.1
120°	277.8	296.9	369.0	406.8	413.9
122.5°	232.8	249.3	318.8	353.8	359.0
125°	191.7	207.6	271.9	305.8	310.9
127.5°	163.8	173.7	231.8	267.3	271.6
130°	143.8	150.0	198.5	232.9	238.9
132.5°	129.7	137.0	172.8	205.3	214.0
135°	118.0	125.3	151.5	182.8	191.6
137.5°	109.7	115.3	134.4	163.0	171.8
140°	103.3	107.8	120.2	144.8	153.5
142.5°	99.5	101.2	106.8	130.2	136.1
145°	95.6	95.3	98.9	116.4	122.3
147.5°	91.4	93.1	94.8	102.7	109.4
150°	87.2	90.9	89.8	92.6	98.5
152.5°	83.9	86.8	86.4	84.5	89.2
155°	80.6	83.4	83.1	81.2	83.9
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	541.3	599.5	681.0	629.8	578.8
110°	500.5	554.1	639.2	652.2	610.3



(END OF REPORT)