

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: P830195

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830195  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
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  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

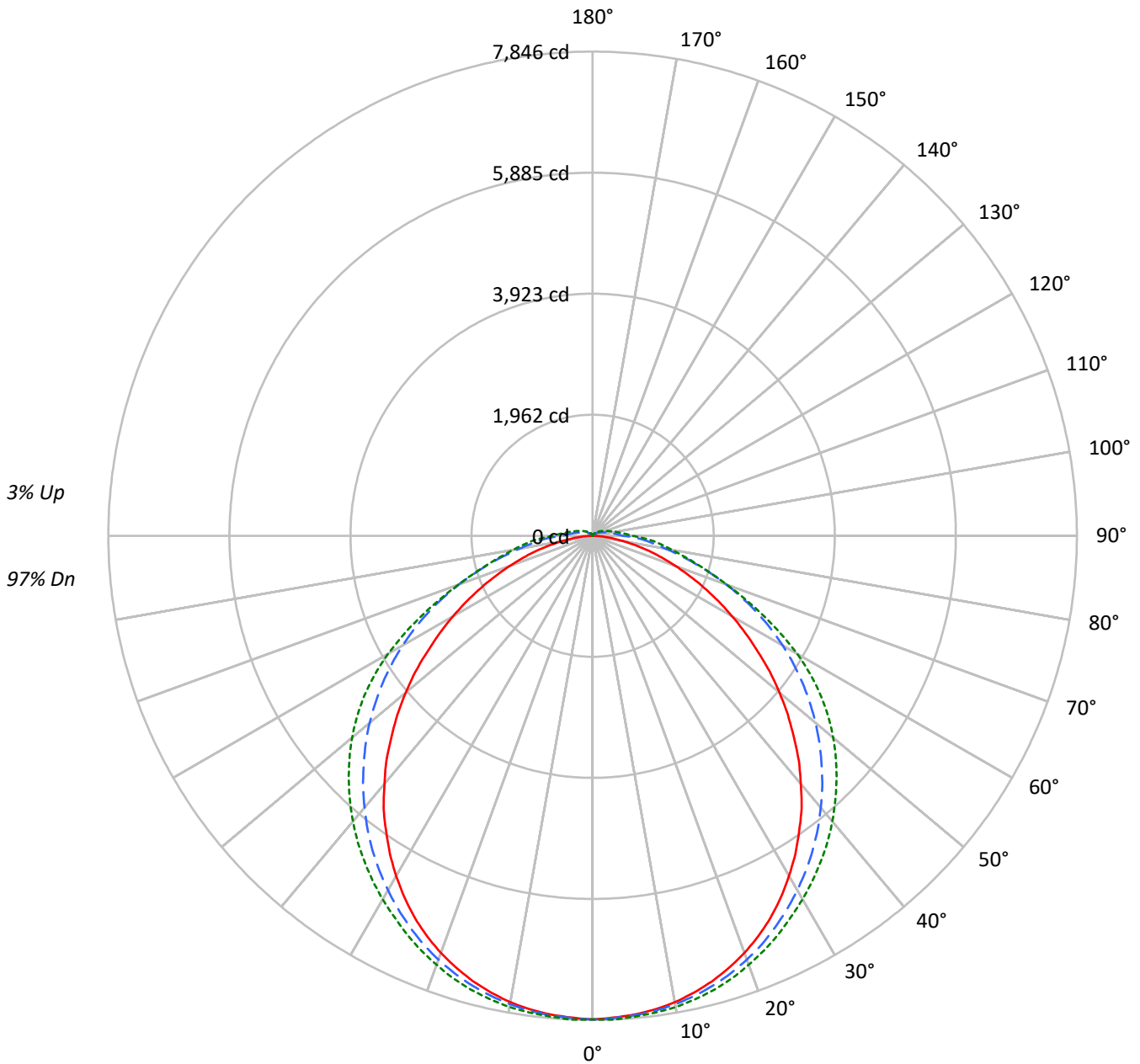
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23460.1 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 163.8  
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	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

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

	0°	45°	90°
0°	12397	12397	12397
5°	12317	12279	12317
10°	12231	12171	12252
15°	12094	12042	12168
20°	11913	11883	12044
25°	11671	11685	11918
30°	11336	11471	11792
35°	10930	11243	11683
40°	10442	10979	11576
45°	9867	10693	11439
50°	9238	10403	11273
55°	8465	10049	10992
60°	7673	9631	10432
65°	6808	9098	9511
70°	5871	8418	8514
75°	4922	7632	7840
80°	3732	7064	7778
85°	2361	7343	8692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	742.8	3.2
10°-20°	2130.9	9.1
20°-30°	3222.6	13.7
30°-40°	3868.7	16.5
40°-50°	3995.8	17.0
50°-60°	3595.0	15.3
60°-70°	2708.0	11.5
70°-80°	1635.2	7.0
80°-90°	799.7	3.4
90°-100°	336.6	1.4
100°-110°	192.2	0.8
110°-120°	112.8	0.5
120°-130°	63.8	0.3
130°-140°	33.6	0.1
140°-150°	16.3	0.1
150°-160°	6.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6096.2	26.0
0°-40°	9965.0	42.5
0°-60°	17555.7	74.8
0°-90°	22698.6	96.8
90°-120°	641.6	2.7
90°-150°	755.3	3.2
90°-180°	761.0	3.2
0°-180°	23460.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7839	7839	7839	7839	7839	
5°	7789	7810	7800	7831	7822	740
15°	7474	7511	7545	7608	7616	2107
25°	6826	6901	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	1727	1001
85°	196	516	852	969	986	226
90°	0	201	487	614	639	12
95°	10	136	364	464	482	8
105°	13	79	211	276	288	13
115°	15	44	130	175	182	16
125°	15	21	79	113	119	14
135°	13	17	40	69	77	11
145°	19	17	19	34	40	11
155°	19	21	19	17	19	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7838.7	7838.7	7838.7	7838.7	7838.7
2.5°	7815.7	7834.9	7823.4	7848.3	7846.4
5°	7788.9	7810.0	7800.4	7831.1	7821.5
7.5°	7742.8	7765.8	7763.9	7798.4	7794.6
10°	7675.7	7700.6	7708.3	7754.3	7754.3
12.5°	7583.6	7616.2	7635.4	7691.0	7692.9
15°	7474.2	7510.7	7545.2	7608.5	7616.2
17.5°	7341.9	7387.9	7435.9	7508.8	7518.4
20°	7192.2	7244.0	7309.2	7386.0	7397.5
22.5°	7019.6	7080.9	7165.4	7255.5	7269.0
25°	6825.8	6900.6	6998.5	7107.8	7125.1
27.5°	6605.2	6691.5	6823.9	6946.7	6962.0
30°	6365.4	6467.1	6632.0	6777.8	6802.8
32.5°	6112.1	6229.2	6432.5	6595.6	6630.1
35°	5835.9	5972.1	6217.7	6405.7	6444.0
37.5°	5563.5	5713.1	5991.3	6206.1	6252.2
40°	5245.0	5431.1	5749.6	5987.4	6043.1
42.5°	4945.7	5147.2	5507.8	5766.8	5820.5
45°	4606.2	4838.3	5243.1	5528.9	5588.4
47.5°	4287.7	4539.0	4987.9	5283.4	5344.8
50°	3952.0	4228.2	4715.5	5024.4	5087.7
52.5°	3616.3	3913.6	4433.5	4753.9	4813.4
55°	3263.3	3600.9	4147.7	4460.4	4514.1
57.5°	2935.2	3292.0	3854.1	4151.5	4184.1
60°	2611.0	2981.3	3554.9	3815.8	3827.3
62.5°	2294.5	2683.9	3247.9	3455.1	3439.8
65°	1991.3	2398.0	2935.2	3081.0	3046.5
67.5°	1699.7	2119.9	2614.8	2708.8	2662.8
70°	1423.5	1849.4	2304.0	2352.0	2309.8
72.5°	1179.8	1592.3	1989.4	2029.7	1999.0
75°	938.1	1346.7	1699.7	1743.9	1726.6
77.5°	711.7	1108.9	1433.1	1490.6	1494.5
80°	512.2	892.1	1200.9	1291.1	1302.6
82.5°	337.6	692.6	1007.2	1122.3	1139.6
85°	195.7	516.1	851.8	968.8	986.1
87.5°	84.4	372.2	684.9	790.4	811.5
90°	0.0	201.4	487.3	613.9	638.8
92.5°	5.8	166.9	418.2	533.3	554.4
95°	9.6	136.2	364.5	464.3	481.5
97.5°	11.5	115.1	316.5	404.8	422.1
100°	11.5	99.8	274.3	354.9	370.3
102.5°	11.5	88.2	239.8	310.8	324.2
105°	13.4	78.7	211.0	276.3	287.8



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CATALOG NUMBER: OHBL-30HE-MFL-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	15.3	51.8	145.8	195.7	203.4
115°	15.3	44.1	130.5	174.6	182.3
117.5°	17.3	38.4	115.1	157.3	163.1
120°	17.3	32.6	101.7	140.0	147.7
122.5°	17.3	26.9	90.2	126.6	132.4
125°	15.3	21.1	78.7	113.2	118.9
127.5°	13.4	17.3	67.1	101.7	107.4
130°	13.4	15.3	57.6	90.2	95.9
132.5°	13.4	17.3	48.0	78.7	86.3
135°	13.4	17.3	40.3	69.1	76.7
137.5°	13.4	17.3	32.6	59.5	67.1
140°	15.3	17.3	26.9	49.9	57.6
142.5°	17.3	17.3	21.1	42.2	48.0
145°	19.2	17.3	19.2	34.5	40.3
147.5°	19.2	19.2	19.2	26.9	32.6
150°	19.2	21.1	19.2	21.1	26.9
152.5°	19.2	21.1	19.2	17.3	21.1
155°	19.2	21.1	19.2	17.3	19.2
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	13.4	69.1	186.1	245.6	255.2
110°	13.4	61.4	165.0	218.7	228.3



(END OF REPORT)