

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: P829331

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829331  
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: OHB-30HE-MFL-UNV-L930-CD  
Description: 30000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

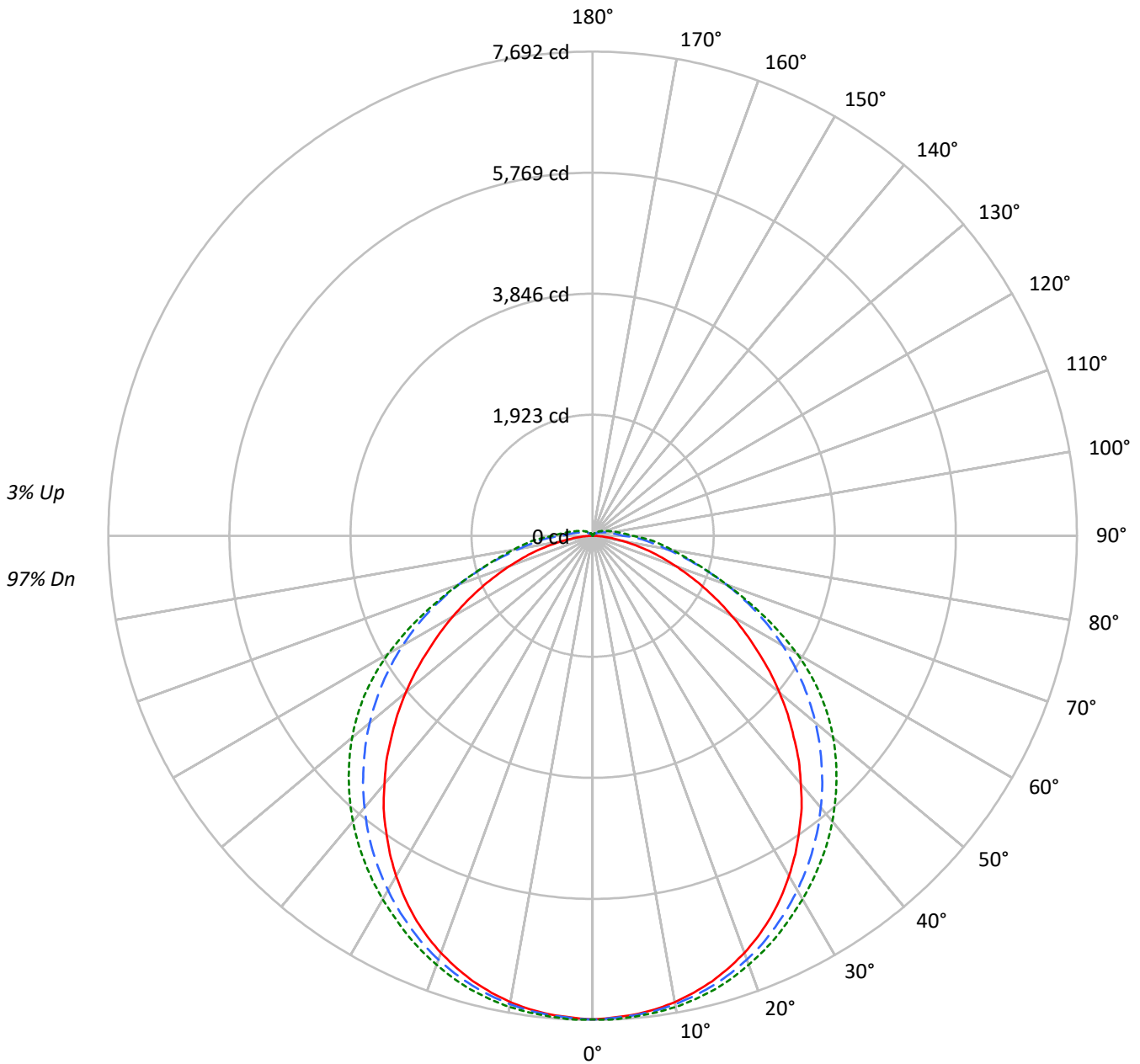
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22997.9 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 169  
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: P829331

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

### 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°	23768	23768	23768
5°	23530	23483	23615
10°	23279	23216	23491
15°	22933	22909	23329
20°	22501	22547	23092
25°	21954	22110	22851
30°	21230	21640	22609
35°	20372	21143	22400
40°	19360	20575	22195
45°	18184	19959	21933
50°	16905	19331	21614
55°	15360	18572	21076
60°	13777	17685	20001
65°	12058	16567	18236
70°	10202	15160	16324
75°	8314	13529	15032
80°	6006	12212	14913
85°	3428	12118	16666



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	728.1	3.2
10°-20°	2088.9	9.1
20°-30°	3159.1	13.7
30°-40°	3792.5	16.5
40°-50°	3917.1	17.0
50°-60°	3524.1	15.3
60°-70°	2654.7	11.5
70°-80°	1603.0	7.0
80°-90°	784.0	3.4
90°-100°	330.0	1.4
100°-110°	188.4	0.8
110°-120°	110.6	0.5
120°-130°	62.5	0.3
130°-140°	32.9	0.1
140°-150°	16.0	0.1
150°-160°	6.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5976.2	26.0
0°-40°	9768.7	42.5
0°-60°	17209.9	74.8
0°-90°	22251.6	96.8
90°-120°	628.9	2.7
90°-150°	740.4	3.2
90°-180°	746.0	3.2
0°-180°	22997.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7684	7684	7684	7684	7684	
5°	7636	7656	7647	7677	7667	725
15°	7327	7363	7397	7459	7466	2066
25°	6691	6765	6861	6968	6985	3078
35°	5721	5854	6095	6280	6317	3576
45°	4516	4743	5140	5420	5478	3486
55°	3199	3530	4066	4372	4425	2868
65°	1952	2351	2877	3020	2986	1939
75°	920	1320	1666	1710	1693	981
85°	192	506	835	950	967	222
90°	0	198	478	602	626	12
95°	9	134	357	455	472	8
105°	13	77	207	271	282	13
115°	15	43	128	171	179	15
125°	15	21	77	111	117	14
135°	13	17	40	68	75	10
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	



TEST NUMBER: P829331

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7684.4	7684.4	7684.4	7684.4	7684.4
2.5°	7661.8	7680.6	7669.3	7693.8	7691.9
5°	7635.5	7656.2	7646.8	7676.8	7667.4
7.5°	7590.3	7612.9	7611.0	7644.9	7641.1
10°	7524.5	7549.0	7556.5	7601.6	7601.6
12.5°	7434.2	7466.2	7485.0	7539.6	7541.4
15°	7327.0	7362.8	7396.6	7458.7	7466.2
17.5°	7197.3	7242.4	7289.4	7360.9	7370.3
20°	7050.6	7101.4	7165.3	7240.5	7251.8
22.5°	6881.3	6941.5	7024.3	7112.6	7125.8
25°	6691.4	6764.7	6860.6	6967.8	6984.8
27.5°	6475.1	6559.7	6689.5	6809.9	6824.9
30°	6240.0	6339.7	6501.4	6644.4	6668.8
32.5°	5991.8	6106.5	6305.8	6465.7	6499.5
35°	5721.0	5854.5	6095.2	6279.5	6317.1
37.5°	5453.9	5600.6	5873.3	6083.9	6129.1
40°	5141.7	5324.1	5636.3	5869.5	5924.1
42.5°	4848.3	5045.8	5399.4	5653.3	5705.9
45°	4515.5	4743.0	5139.8	5420.1	5478.4
47.5°	4203.3	4449.6	4889.7	5179.3	5239.5
50°	3874.2	4145.0	4622.7	4925.4	4987.5
52.5°	3545.0	3836.5	4346.2	4660.3	4718.6
55°	3199.0	3530.0	4066.0	4372.5	4425.2
57.5°	2877.4	3227.2	3778.2	4069.7	4101.7
60°	2559.6	2922.5	3484.9	3740.6	3751.9
62.5°	2249.3	2631.0	3184.0	3387.1	3372.0
65°	1952.1	2350.8	2877.4	3020.3	2986.5
67.5°	1666.3	2078.1	2563.3	2655.5	2610.4
70°	1395.4	1813.0	2258.7	2305.7	2264.3
72.5°	1156.6	1560.9	1950.2	1989.7	1959.6
75°	919.6	1320.2	1666.3	1709.5	1692.6
77.5°	697.7	1087.0	1404.9	1461.3	1465.0
80°	502.1	874.5	1177.3	1265.7	1277.0
82.5°	331.0	678.9	987.3	1100.2	1117.1
85°	191.8	505.9	835.0	949.7	966.7
87.5°	82.7	364.8	671.4	774.8	795.5
90°	0.0	197.5	477.7	601.8	626.3
92.5°	5.6	163.6	410.0	522.8	543.5
95°	9.4	133.5	357.3	455.1	472.0
97.5°	11.3	112.8	310.3	396.8	413.7
100°	11.3	97.8	268.9	347.9	363.0
102.5°	11.3	86.5	235.1	304.7	317.8
105°	13.2	77.1	206.9	270.8	282.1



TEST NUMBER: P829331

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	15.0	50.8	142.9	191.8	199.3
115°	15.0	43.3	127.9	171.1	178.7
117.5°	16.9	37.6	112.8	154.2	159.9
120°	16.9	32.0	99.7	137.3	144.8
122.5°	16.9	26.3	88.4	124.1	129.8
125°	15.0	20.7	77.1	111.0	116.6
127.5°	13.2	16.9	65.8	99.7	105.3
130°	13.2	15.0	56.4	88.4	94.0
132.5°	13.2	16.9	47.0	77.1	84.6
135°	13.2	16.9	39.5	67.7	75.2
137.5°	13.2	16.9	32.0	58.3	65.8
140°	15.0	16.9	26.3	48.9	56.4
142.5°	16.9	16.9	20.7	41.4	47.0
145°	18.8	16.9	18.8	33.9	39.5
147.5°	18.8	18.8	18.8	26.3	32.0
150°	18.8	20.7	18.8	20.7	26.3
152.5°	18.8	20.7	18.8	16.9	20.7
155°	18.8	20.7	18.8	16.9	18.8
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°	13.2	67.7	182.4	240.7	250.1
110°	13.2	60.2	161.7	214.4	223.8



(END OF REPORT)