

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: P829302

Luminaire Tested: **OHB-30HE-A-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-30HE-A-UNV-L750-CD  
Description: 30000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

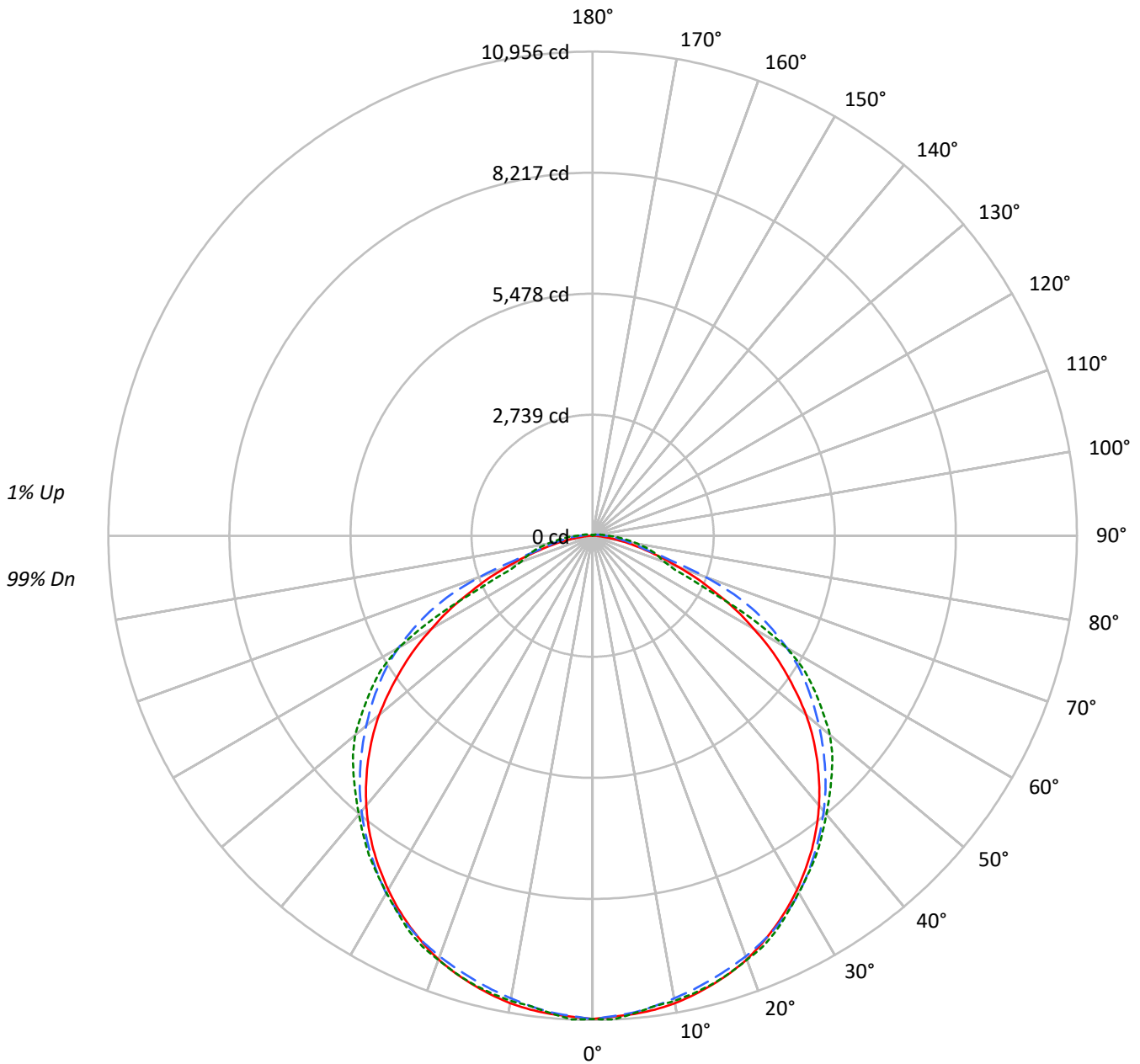
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30904.0 lumens  
Efficiency: N/A  
Efficacy: 182.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
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

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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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

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

	0°	45°	90°
0°	33819	33819	33819
5°	33475	33242	33398
10°	33230	32654	33027
15°	32896	32195	32806
20°	32559	31874	32516
25°	32035	31549	32228
30°	31471	31084	31618
35°	30817	30398	31282
40°	30002	29686	30824
45°	28923	28873	30621
50°	27512	27952	30379
55°	25376	27029	29245
60°	22643	25729	27037
65°	19159	23447	17135
70°	15142	18102	12423
75°	11035	10577	12609
80°	7319	8576	12038
85°	3759	7503	11283



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1031.0	3.3
10°-20°	2956.3	9.6
20°-30°	4515.2	14.6
30°-40°	5478.5	17.7
40°-50°	5742.0	18.6
50°-60°	5203.1	16.8
60°-70°	3488.5	11.3
70°-80°	1566.5	5.1
80°-90°	568.5	1.8
90°-100°	171.1	0.6
100°-110°	80.7	0.3
110°-120°	40.5	0.1
120°-130°	22.3	0.1
130°-140°	15.3	0.0
140°-150°	10.3	0.0
150°-160°	7.7	0.0
160°-170°	4.9	0.0
170°-180°	1.6	0.0
0°-30°	8502.5	27.5
0°-40°	13981.0	45.2
0°-60°	24926.1	80.7
0°-90°	30549.6	98.9
90°-120°	292.3	0.9
90°-150°	340.3	1.1
90°-180°	354.0	1.1
0°-180°	30904.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10934	10934	10934	10934	10934	
5°	10863	10901	10825	10858	10844	###
15°	10510	10469	10395	10486	10499	2967
25°	9764	9721	9789	9879	9851	4501
35°	8654	8675	8763	8856	8822	5409
45°	7182	7299	7435	7625	7649	5533
55°	5285	5540	5918	6155	6140	4718
65°	3102	3587	4072	3437	2806	3091
75°	1220	1771	1303	1333	1420	1334
85°	210	403	517	624	654	257
90°	2	134	267	335	351	13
95°	2	84	183	223	229	2
105°	6	36	90	109	114	7
115°	13	19	46	58	62	12
125°	11	13	28	33	35	11
135°	14	16	17	25	27	11
145°	14	16	16	17	19	9
155°	16	17	17	17	16	7
165°	17	17	17	17	17	5
175°	17	17	16	14	14	2
180°	16	16	16	16	16	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10933.9	10933.9	10933.9	10933.9	10933.9
2.5°	10889.6	10935.4	10878.5	10940.2	10956.0
5°	10862.7	10900.7	10824.8	10858.0	10843.7
7.5°	10813.7	10826.4	10736.2	10763.1	10734.7
10°	10741.0	10734.7	10628.7	10680.9	10687.2
12.5°	10633.5	10614.5	10519.7	10598.7	10600.3
15°	10510.2	10469.1	10394.8	10486.5	10499.1
17.5°	10367.9	10314.1	10265.1	10383.7	10364.7
20°	10201.9	10138.6	10129.2	10258.8	10211.4
22.5°	9996.4	9947.3	9969.5	10092.8	10062.8
25°	9764.0	9721.3	9789.3	9879.4	9850.9
27.5°	9518.9	9493.6	9571.1	9640.6	9585.3
30°	9250.1	9235.9	9338.7	9395.6	9326.0
32.5°	8957.7	8962.4	9060.4	9137.9	9073.1
35°	8654.1	8674.7	8763.2	8856.5	8821.7
37.5°	8320.5	8366.4	8454.9	8560.9	8524.5
40°	7968.0	8034.4	8132.4	8260.5	8227.3
42.5°	7587.0	7670.8	7797.3	7939.5	7936.4
45°	7182.3	7299.3	7435.2	7624.9	7648.6
47.5°	6761.7	6892.9	7065.3	7318.2	7354.6
50°	6304.8	6469.3	6684.3	6987.8	7009.9
52.5°	5795.8	6020.3	6304.8	6595.7	6568.9
55°	5285.1	5539.7	5917.5	6154.6	6140.4
57.5°	4776.1	5062.2	5520.7	5689.8	5688.3
60°	4206.9	4569.0	5070.1	5198.2	5071.7
62.5°	3680.5	4069.4	4589.5	4496.2	4063.0
65°	3101.8	3587.2	4072.5	3437.0	2806.2
67.5°	2588.0	3093.9	3459.1	2354.0	2015.7
70°	2071.0	2629.1	2697.1	1747.0	1723.2
72.5°	1612.6	2207.0	1860.8	1495.6	1571.5
75°	1220.5	1770.7	1302.7	1332.7	1419.7
77.5°	890.1	1359.6	1013.4	1168.3	1239.5
80°	611.8	962.8	826.8	981.8	1030.8
82.5°	384.2	635.5	662.4	790.5	841.1
85°	210.3	403.1	517.0	624.5	654.5
87.5°	87.0	243.5	395.2	482.2	507.5
90°	1.6	134.4	267.2	335.2	351.0
92.5°	1.6	102.8	218.2	270.3	281.4
95°	1.6	83.8	183.4	222.9	229.2
97.5°	3.2	66.4	153.4	185.0	191.3
100°	4.7	55.3	128.1	154.9	159.7
102.5°	6.3	44.3	107.5	129.6	134.4
105°	6.3	36.4	90.1	109.1	113.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.1	22.1	53.8	68.0	71.1
115°	12.6	19.0	45.8	58.5	61.7
117.5°	12.6	15.8	39.5	49.0	52.2
120°	12.6	14.2	34.8	42.7	44.3
122.5°	12.6	12.6	30.0	37.9	39.5
125°	11.1	12.6	28.5	33.2	34.8
127.5°	12.6	12.6	25.3	30.0	31.6
130°	12.6	14.2	22.1	28.5	28.5
132.5°	14.2	15.8	20.6	26.9	26.9
135°	14.2	15.8	17.4	25.3	26.9
137.5°	15.8	15.8	15.8	23.7	25.3
140°	15.8	15.8	14.2	20.6	22.1
142.5°	14.2	15.8	14.2	19.0	20.6
145°	14.2	15.8	15.8	17.4	19.0
147.5°	15.8	15.8	15.8	15.8	17.4
150°	15.8	15.8	15.8	15.8	15.8
152.5°	15.8	15.8	15.8	15.8	15.8
155°	15.8	17.4	17.4	17.4	15.8
157.5°	15.8	17.4	17.4	17.4	17.4
160°	15.8	17.4	17.4	17.4	17.4
162.5°	17.4	17.4	17.4	17.4	17.4
165°	17.4	17.4	17.4	17.4	17.4
167.5°	17.4	19.0	17.4	17.4	17.4
170°	17.4	17.4	17.4	15.8	15.8
172.5°	17.4	17.4	17.4	15.8	15.8
175°	17.4	17.4	15.8	14.2	14.2
177.5°	19.0	17.4	15.8	14.2	12.6
180°	15.8	15.8	15.8	15.8	15.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	7.9	30.0	77.5	93.3	96.4
110°	9.5	25.3	64.8	79.0	82.2



(END OF REPORT)