

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: P829361

Luminaire Tested: **OHB-30HE-W-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-30HE-W-UNV-L740-CD  
Description: 30000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

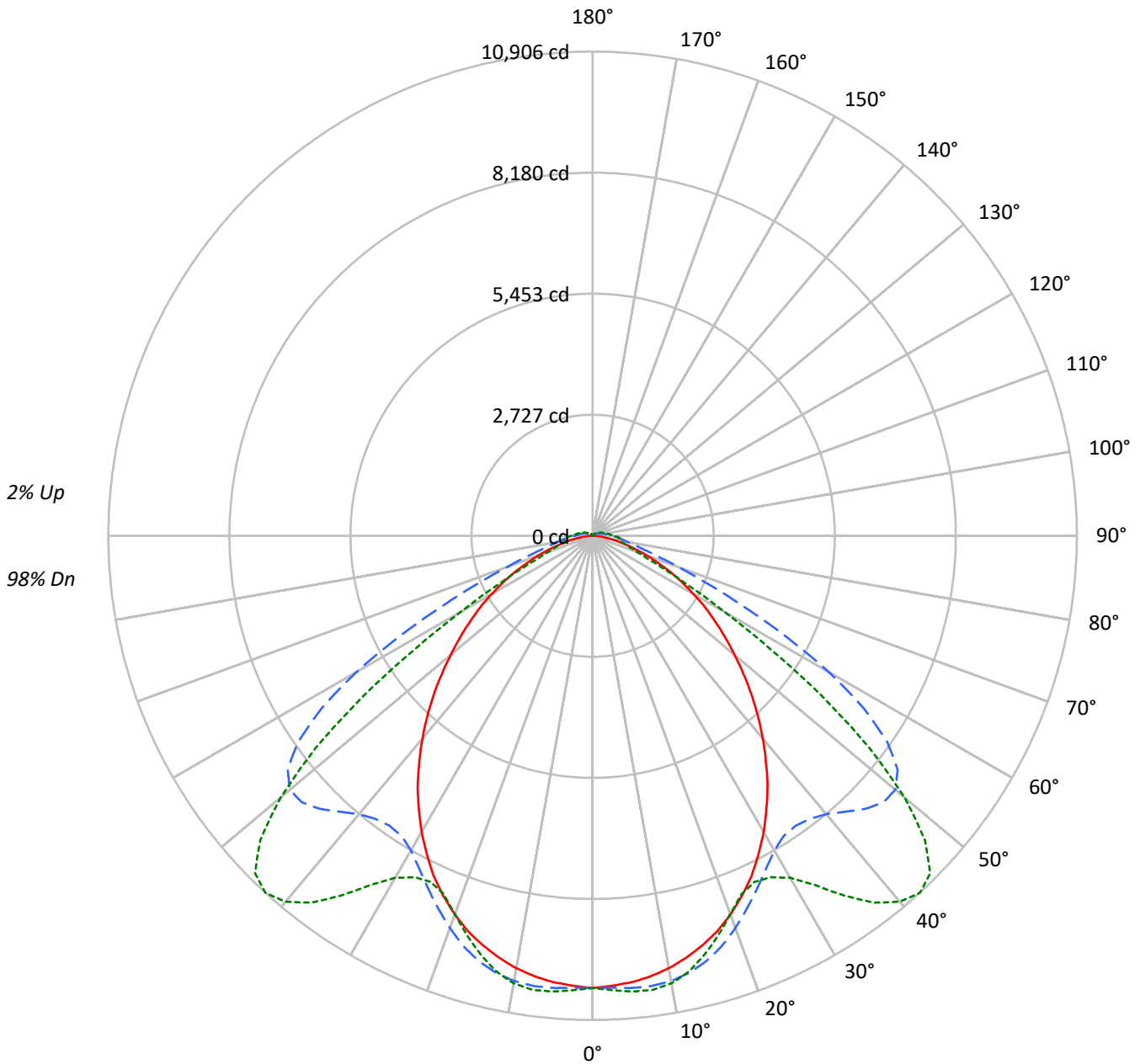
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30503.0 lumens  
Efficiency: N/A  
Efficacy: 180.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
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 (Ain): 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	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

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

	0°	45°	90°
0°	31510	31510	31510
5°	31103	31400	31735
10°	30599	31285	31639
15°	29890	30702	30493
20°	28963	29581	28870
25°	27763	28242	28159
30°	26210	27230	30150
35°	24459	27661	35088
40°	22453	29871	40317
45°	20367	33773	43038
50°	18204	37206	39729
55°	16167	36996	30065
60°	14101	31130	18162
65°	11933	21348	10830
70°	9514	13675	7653
75°	7035	9672	6871
80°	4811	8321	7341
85°	2946	8803	10344



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	973.5	3.2
10°-20°	2756.7	9.0
20°-30°	4034.0	13.2
30°-40°	5239.0	17.2
40°-50°	6397.5	21.0
50°-60°	5634.0	18.5
60°-70°	2935.9	9.6
70°-80°	1259.0	4.1
80°-90°	604.6	2.0
90°-100°	284.1	0.9
100°-110°	176.6	0.6
110°-120°	104.4	0.3
120°-130°	56.7	0.2
130°-140°	28.5	0.1
140°-150°	13.7	0.0
150°-160°	4.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7764.3	25.5
0°-40°	13003.3	42.6
0°-60°	25034.7	82.1
0°-90°	29834.3	97.8
90°-120°	565.0	1.9
90°-150°	664.0	2.2
90°-180°	669.0	2.2
0°-180°	30503.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10187	10187	10187	10187	10187	
5°	10093	10170	10225	10315	10304	957
15°	9550	9818	9913	9838	9759	2689
25°	8462	8915	8763	8598	8607	3883
35°	6869	7594	7974	9300	9895	4281
45°	5058	6363	8697	10530	10750	3900
55°	3367	5574	8099	7102	6312	3022
65°	1932	3862	3708	2062	1774	1911
75°	778	1807	1191	815	774	848
85°	165	644	607	593	600	184
90°	2	233	400	457	468	11
95°	4	136	319	374	385	3
105°	9	77	207	248	253	9
115°	13	44	128	156	160	14
125°	15	22	75	97	99	13
135°	13	13	35	59	62	10
145°	18	13	15	29	33	10
155°	18	18	13	13	13	5
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°	10187.4	10187.4	10187.4	10187.4	10187.4
2.5°	10143.5	10187.4	10189.6	10251.2	10244.6
5°	10092.9	10169.9	10224.8	10314.9	10303.9
7.5°	10009.4	10130.3	10227.0	10325.9	10317.1
10°	9890.7	10055.6	10183.0	10264.4	10238.0
12.5°	9736.9	9954.5	10079.7	10097.3	10046.8
15°	9550.0	9818.2	9912.7	9838.0	9758.8
17.5°	9339.0	9653.3	9686.3	9523.7	9424.8
20°	9075.3	9433.6	9400.6	9176.4	9066.5
22.5°	8783.0	9191.8	9086.3	8851.1	8745.6
25°	8462.1	8914.8	8763.2	8598.3	8607.1
27.5°	8086.2	8600.5	8453.3	8528.0	8668.7
30°	7703.8	8270.8	8180.7	8615.9	8892.9
32.5°	7284.0	7932.4	8013.7	8873.1	9325.9
35°	6868.6	7593.9	7974.1	9299.5	9895.1
37.5°	6409.2	7251.0	8037.9	9791.8	10416.0
40°	5963.0	6916.9	8182.9	10233.6	10761.1
42.5°	5508.0	6618.0	8426.9	10495.2	10906.2
45°	5057.5	6363.0	8697.2	10530.3	10750.1
47.5°	4606.9	6147.6	8884.1	10251.2	10150.1
50°	4171.7	5956.4	8897.3	9580.8	9167.6
52.5°	3765.1	5780.6	8655.5	8512.6	7870.8
55°	3367.2	5574.0	8099.4	7101.5	6312.5
57.5°	3004.6	5288.2	7242.2	5585.0	4723.4
60°	2619.9	4901.4	6134.4	4086.0	3406.8
62.5°	2266.1	4420.1	4892.6	2844.1	2448.5
65°	1932.0	3861.8	3707.9	2061.7	1773.7
67.5°	1578.1	3283.7	2736.4	1503.4	1318.8
70°	1301.2	2747.4	2037.5	1169.3	1061.6
72.5°	1017.6	2237.5	1523.2	949.5	890.2
75°	778.1	1806.7	1191.3	815.4	773.7
77.5°	573.7	1428.7	958.3	720.9	681.4
80°	402.2	1125.3	802.2	644.0	628.6
82.5°	270.3	870.4	683.6	613.2	615.4
85°	164.8	644.0	606.6	593.4	600.0
87.5°	79.1	457.2	520.9	540.7	547.3
90°	2.2	233.0	400.0	457.2	468.2
92.5°	0.0	178.0	351.7	408.8	419.8
95°	4.4	136.3	318.7	373.6	384.6
97.5°	4.4	112.1	285.7	342.9	349.5
100°	6.6	96.7	255.0	309.9	316.5
102.5°	6.6	85.7	228.6	276.9	281.3
105°	8.8	76.9	206.6	248.4	252.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	13.2	52.8	145.1	175.8	180.2
115°	13.2	44.0	127.5	156.1	160.4
117.5°	15.4	39.6	112.1	138.5	140.7
120°	15.4	33.0	96.7	123.1	125.3
122.5°	15.4	26.4	85.7	109.9	112.1
125°	15.4	22.0	74.7	96.7	98.9
127.5°	13.2	15.4	63.7	85.7	87.9
130°	13.2	13.2	52.8	74.7	79.1
132.5°	13.2	13.2	44.0	65.9	70.3
135°	13.2	13.2	35.2	59.3	61.5
137.5°	13.2	13.2	28.6	50.6	54.9
140°	13.2	13.2	22.0	44.0	46.2
142.5°	15.4	13.2	19.8	37.4	39.6
145°	17.6	13.2	15.4	28.6	33.0
147.5°	17.6	15.4	15.4	24.2	26.4
150°	17.6	17.6	13.2	17.6	22.0
152.5°	17.6	17.6	13.2	13.2	17.6
155°	17.6	17.6	13.2	13.2	13.2
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°	11.0	68.1	184.6	222.0	226.4
110°	11.0	59.3	162.6	197.8	202.2



(END OF REPORT)