

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: P829337

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829337  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-30HE-N-UNV-L740-CD  
Description: 30000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

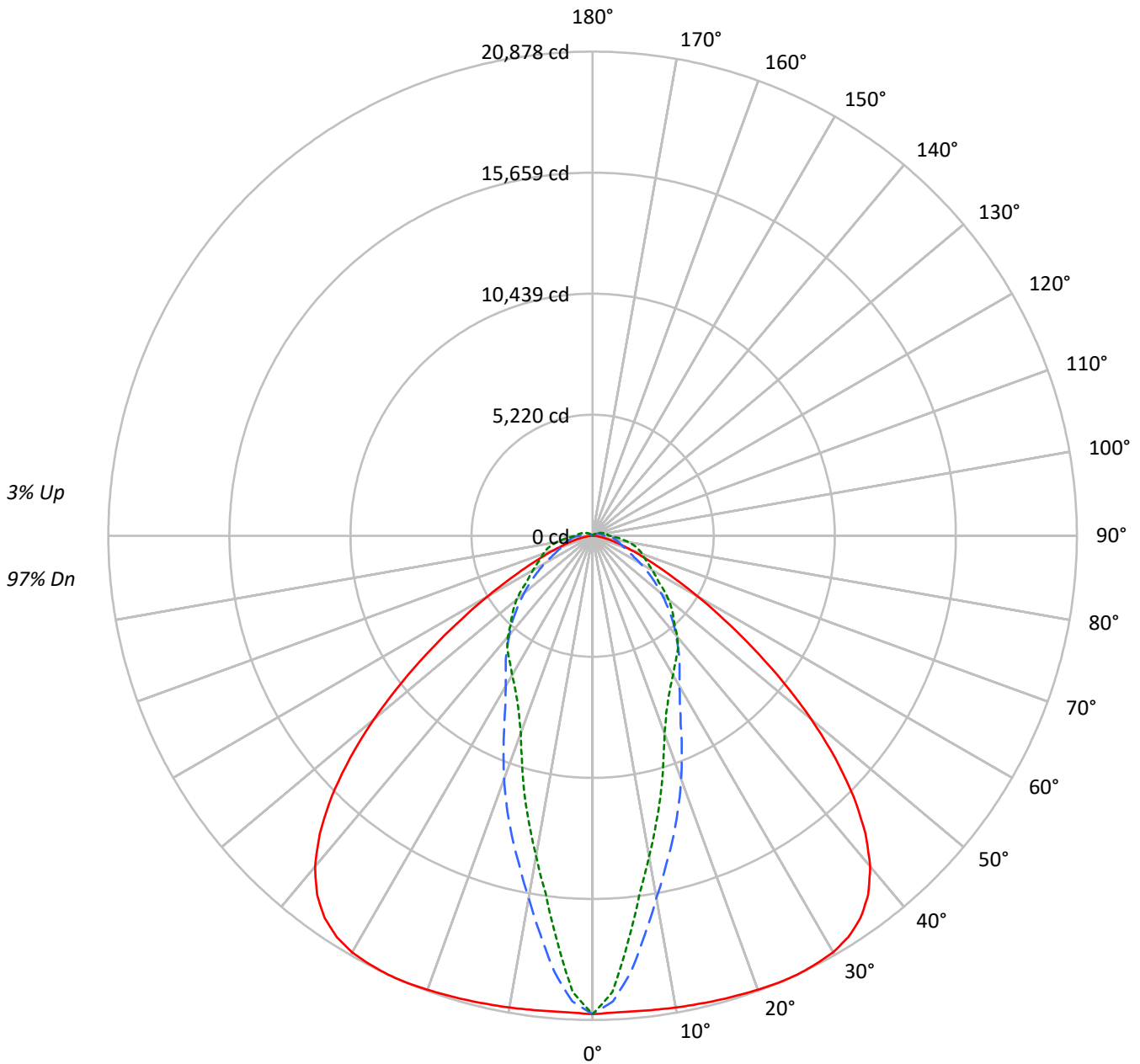
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30440.0 lumens  
Efficiency: N/A  
Efficacy: 180.1 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

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

	0°	45°	90°
0°	63794	63794	63794
5°	63431	57972	54049
10°	63911	48728	43367
15°	64915	41585	35618
20°	66480	35085	28827
25°	68499	28974	25277
30°	70557	24900	23499
35°	71682	22633	22406
40°	70083	20386	21276
45°	64085	18363	19717
50°	53689	16163	18528
55°	40452	14095	16510
60°	28051	12023	15833
65°	18611	10285	15534
70°	12472	9565	16345
75°	8412	9738	17538
80°	5518	10568	18179
85°	2912	12733	19322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1736.2	5.7
10°-20°	4084.2	13.4
20°-30°	5119.5	16.8
30°-40°	5432.4	17.8
40°-50°	4911.8	16.1
50°-60°	3561.4	11.7
60°-70°	2234.9	7.3
70°-80°	1479.0	4.9
80°-90°	852.1	2.8
90°-100°	412.8	1.4
100°-110°	284.9	0.9
110°-120°	175.8	0.6
120°-130°	85.2	0.3
130°-140°	39.2	0.1
140°-150°	21.4	0.1
150°-160°	9.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	10939.9	35.9
0°-40°	16372.4	53.8
0°-60°	24845.5	81.6
0°-90°	29411.4	96.6
90°-120°	873.5	2.9
90°-150°	1019.3	3.3
90°-180°	1029.0	3.4
0°-180°	30440.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20625	20625	20625	20625	20625	
5°	20584	20056	18878	18002	17549	###
15°	20740	16905	13427	11941	11399	5882
25°	20878	13071	8990	7979	7726	9645
35°	20130	8690	6525	6321	6319	12514
45°	15914	5504	4729	4843	4925	12123
55°	8425	3412	3086	3347	3467	7612
65°	3013	1979	1786	2289	2544	3135
75°	930	1066	1199	1863	1975	1037
85°	163	442	877	1221	1121	195
90°	0	184	508	716	722	10
95°	8	130	448	608	636	7
105°	16	86	326	432	444	16
115°	22	61	220	275	281	21
125°	24	31	112	141	139	21
135°	20	24	49	77	77	15
145°	24	26	29	45	43	14
155°	24	29	31	33	29	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHB-30HE-N-UNV-L740-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20624.7	20624.7	20624.7	20624.7	20624.7
2.5°	20581.5	20463.8	20096.7	19872.9	19684.5
5°	20583.5	20055.5	18877.7	18002.2	17548.8
7.5°	20612.9	19439.1	17317.2	16039.3	15540.7
10°	20658.1	18675.5	15860.6	14498.4	14033.1
12.5°	20691.5	17815.7	14578.8	13179.3	12668.9
15°	20740.5	16904.9	13426.6	11940.6	11398.9
17.5°	20785.7	16047.1	12288.1	10735.4	10132.8
20°	20830.8	15122.6	11149.6	9549.8	9053.1
22.5°	20874.0	14147.0	10038.5	8629.1	8289.5
25°	20877.9	13071.3	8990.3	7979.4	7726.2
27.5°	20826.9	11956.3	8140.4	7435.7	7278.6
30°	20738.6	10874.7	7480.8	7043.1	6931.2
32.5°	20518.7	9771.6	6970.4	6664.2	6599.4
35°	20130.1	8690.0	6524.8	6320.7	6318.7
37.5°	19517.6	7730.1	6042.0	6006.6	6049.8
40°	18612.7	6890.0	5584.6	5678.8	5678.8
42.5°	17405.5	6159.7	5170.4	5266.6	5241.1
45°	15913.6	5504.1	4728.7	4842.6	4925.0
47.5°	14184.3	4927.0	4277.3	4497.1	4611.0
50°	12303.8	4377.4	3865.0	4145.8	4275.3
52.5°	10333.0	3869.0	3462.6	3784.6	3888.6
55°	8425.0	3411.6	3085.8	3346.8	3466.6
57.5°	6697.6	2975.8	2716.7	2964.1	3211.4
60°	5211.6	2600.9	2369.3	2722.6	2969.9
62.5°	3980.9	2267.2	2043.4	2496.9	2744.2
65°	3013.1	1978.7	1786.3	2288.8	2544.0
67.5°	2271.1	1729.4	1586.1	2137.7	2386.9
70°	1705.8	1487.9	1425.1	2043.4	2267.2
72.5°	1260.2	1266.1	1297.5	1961.0	2131.8
75°	930.4	1065.9	1199.4	1862.8	1974.7
77.5°	665.4	883.3	1111.0	1745.1	1784.3
80°	461.3	720.4	1018.8	1590.0	1556.6
82.5°	288.6	577.1	936.3	1419.2	1327.0
85°	162.9	441.7	877.4	1221.0	1120.8
87.5°	72.6	329.8	767.5	952.0	889.2
90°	0.0	184.5	508.4	716.5	722.4
92.5°	3.9	153.1	469.1	655.6	675.3
95°	7.9	129.6	447.6	608.5	636.0
97.5°	9.8	113.9	420.1	565.3	588.9
100°	11.8	102.1	386.7	520.2	539.8
102.5°	13.7	94.2	355.3	473.1	488.8
105°	15.7	86.4	325.8	431.8	443.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	19.6	66.7	245.4	310.1	320.0
115°	21.6	60.9	219.9	274.8	280.7
117.5°	23.6	53.0	192.4	241.4	243.4
120°	23.6	47.1	164.9	206.1	206.1
122.5°	23.6	39.3	137.4	170.8	168.8
125°	23.6	31.4	111.9	141.3	139.4
127.5°	21.6	25.5	90.3	117.8	115.8
130°	21.6	25.5	72.6	100.1	100.1
132.5°	19.6	23.6	58.9	86.4	86.4
135°	19.6	23.6	49.1	76.6	76.6
137.5°	19.6	25.5	41.2	66.7	66.7
140°	19.6	23.6	35.3	58.9	58.9
142.5°	21.6	23.6	31.4	51.0	51.0
145°	23.6	25.5	29.4	45.1	43.2
147.5°	23.6	27.5	29.4	39.3	37.3
150°	23.6	29.4	29.4	35.3	33.4
152.5°	23.6	29.4	29.4	33.4	31.4
155°	23.6	29.4	31.4	33.4	29.4
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°	15.7	80.5	298.4	386.7	400.4
110°	17.7	72.6	272.9	345.5	359.2



(END OF REPORT)