

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: P830631

Luminaire Tested: **OHBL-60HE-N-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830631  
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: OHBL-60HE-N-UNV-L730-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

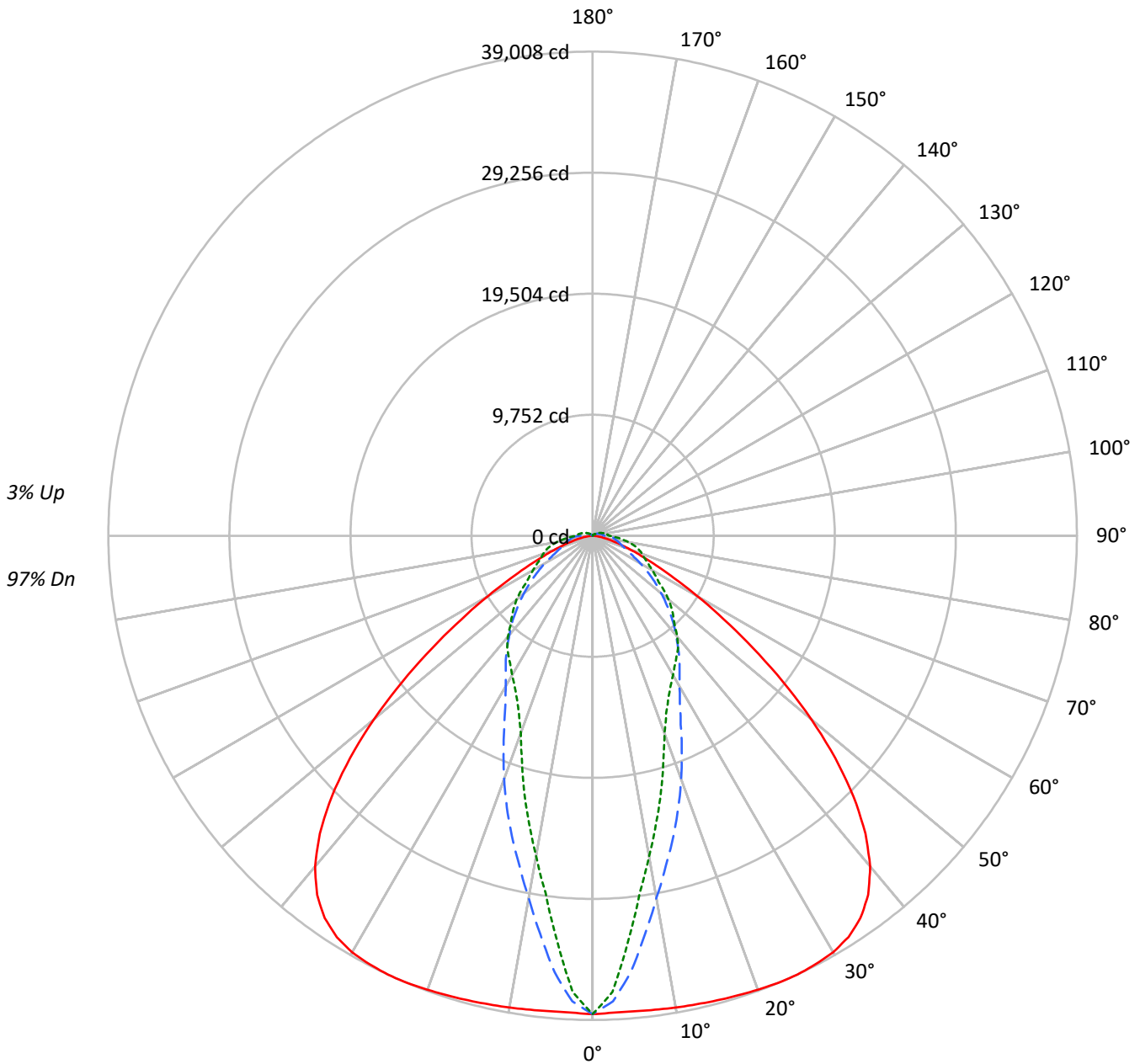
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 56874.0 lumens  
Efficiency: N/A  
Efficacy: 168.3 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 338  
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°	60942	60942	60942
5°	60818	55524	51633
10°	61505	46791	41429
15°	62706	40036	34025
20°	64467	33868	27539
25°	66697	28047	24147
30°	69002	24175	22448
35°	70438	22044	21405
40°	69233	19925	20325
45°	63691	18019	18836
50°	53736	15932	17700
55°	40831	13968	15772
60°	28614	11994	15125
65°	19247	10345	14840
70°	13145	9729	15614
75°	9121	10063	16754
80°	6280	11198	17367
85°	3673	14133	18460



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3243.9	5.7
10°-20°	7631.0	13.4
20°-30°	9565.3	16.8
30°-40°	10149.9	17.8
40°-50°	9177.1	16.1
50°-60°	6654.0	11.7
60°-70°	4175.7	7.3
70°-80°	2763.3	4.9
80°-90°	1592.0	2.8
90°-100°	771.3	1.4
100°-110°	532.3	0.9
110°-120°	328.5	0.6
120°-130°	159.1	0.3
130°-140°	73.2	0.1
140°-150°	40.0	0.1
150°-160°	17.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	20440.2	35.9
0°-40°	30590.1	53.8
0°-60°	46421.2	81.6
0°-90°	54952.3	96.6
90°-120°	1632.1	2.9
90°-150°	1904.4	3.3
90°-180°	1922.0	3.4
0°-180°	56874.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	38535	38535	38535	38535	38535	
5°	38458	37472	35271	33635	32788	###
15°	38752	31585	25086	22310	21298	10990
25°	39008	24422	16798	14909	14436	18021
35°	37611	16236	12191	11810	11806	23381
45°	29733	10284	8835	9048	9202	22650
55°	15741	6374	5765	6253	6477	14223
65°	5630	3697	3338	4276	4753	5858
75°	1738	1992	2241	3480	3690	1938
85°	304	825	1639	2281	2094	365
90°	0	345	950	1339	1350	20
95°	15	242	836	1137	1188	13
105°	29	161	609	807	829	30
115°	40	114	411	514	524	40
125°	44	59	209	264	260	38
135°	37	44	92	143	143	29
145°	44	48	55	84	81	26
155°	44	55	59	62	55	14
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°	38535.2	38535.2	38535.2	38535.2	38535.2
2.5°	38454.5	38234.4	37548.6	37130.5	36778.4
5°	38458.1	37471.6	35271.0	33635.3	32788.1
7.5°	38513.2	36320.0	32355.3	29967.7	29036.2
10°	38597.5	34893.3	29634.0	27088.7	26219.5
12.5°	38659.9	33286.9	27239.0	24624.1	23670.5
15°	38751.6	31585.1	25086.2	22309.8	21297.6
17.5°	38835.9	29982.4	22959.0	20057.9	18932.0
20°	38920.3	28255.0	20831.8	17842.7	16914.8
22.5°	39000.9	26432.2	18756.0	16122.6	15488.2
25°	39008.3	24422.4	16797.5	14908.7	14435.6
27.5°	38912.9	22339.2	15209.4	13892.8	13599.4
30°	38747.9	20318.3	13977.1	13159.2	12950.2
32.5°	38337.1	18257.2	13023.5	12451.4	12330.4
35°	37610.9	16236.3	12191.0	11809.6	11805.9
37.5°	36466.7	14442.9	11288.8	11222.8	11303.5
40°	34775.9	12873.2	10434.2	10610.3	10610.3
42.5°	32520.4	11508.8	9660.4	9840.1	9792.4
45°	29733.0	10283.9	8835.2	9047.9	9201.9
47.5°	26501.9	9205.6	7991.6	8402.4	8615.1
50°	22988.3	8178.7	7221.4	7745.9	7988.0
52.5°	19306.1	7228.8	6469.6	7071.1	7265.5
55°	15741.2	6374.2	5765.4	6253.2	6476.9
57.5°	12513.8	5560.0	5075.9	5538.0	6000.1
60°	9737.4	4859.5	4426.8	5086.9	5549.0
62.5°	7437.8	4236.0	3817.9	4665.2	5127.3
65°	5629.7	3696.9	3337.5	4276.4	4753.2
67.5°	4243.4	3231.1	2963.4	3994.0	4459.8
70°	3187.1	2780.0	2662.7	3817.9	4236.0
72.5°	2354.6	2365.6	2424.3	3663.9	3983.0
75°	1738.4	1991.5	2240.9	3480.5	3689.6
77.5°	1243.3	1650.4	2075.8	3260.5	3333.8
80°	861.9	1346.0	1903.5	2970.7	2908.4
82.5°	539.1	1078.3	1749.4	2651.7	2479.3
85°	304.4	825.2	1639.4	2281.2	2094.2
87.5°	135.7	616.2	1434.0	1778.8	1661.4
90°	0.0	344.8	949.9	1338.7	1349.7
92.5°	7.3	286.1	876.5	1225.0	1261.6
95°	14.7	242.1	836.2	1136.9	1188.3
97.5°	18.3	212.7	784.9	1056.3	1100.3
100°	22.0	190.7	722.5	971.9	1008.6
102.5°	25.7	176.0	663.8	883.9	913.2
105°	29.3	161.4	608.8	806.9	828.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	36.7	124.7	458.4	579.5	597.8
115°	40.3	113.7	410.8	513.5	524.5
117.5°	44.0	99.0	359.4	451.1	454.8
120°	44.0	88.0	308.1	385.1	385.1
122.5°	44.0	73.4	256.7	319.1	315.4
125°	44.0	58.7	209.1	264.1	260.4
127.5°	40.3	47.7	168.7	220.1	216.4
130°	40.3	47.7	135.7	187.0	187.0
132.5°	36.7	44.0	110.0	161.4	161.4
135°	36.7	44.0	91.7	143.0	143.0
137.5°	36.7	47.7	77.0	124.7	124.7
140°	36.7	44.0	66.0	110.0	110.0
142.5°	40.3	44.0	58.7	95.4	95.4
145°	44.0	47.7	55.0	84.4	80.7
147.5°	44.0	51.3	55.0	73.4	69.7
150°	44.0	55.0	55.0	66.0	62.3
152.5°	44.0	55.0	55.0	62.3	58.7
155°	44.0	55.0	58.7	62.3	55.0
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°	29.3	150.4	557.5	722.5	748.2
110°	33.0	135.7	509.8	645.5	671.2



(END OF REPORT)