

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: P830151

Luminaire Tested: **OHBL-24SE-W-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830151  
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: OHBL-24SE-W-UNV-L730-CD  
Description: 24000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

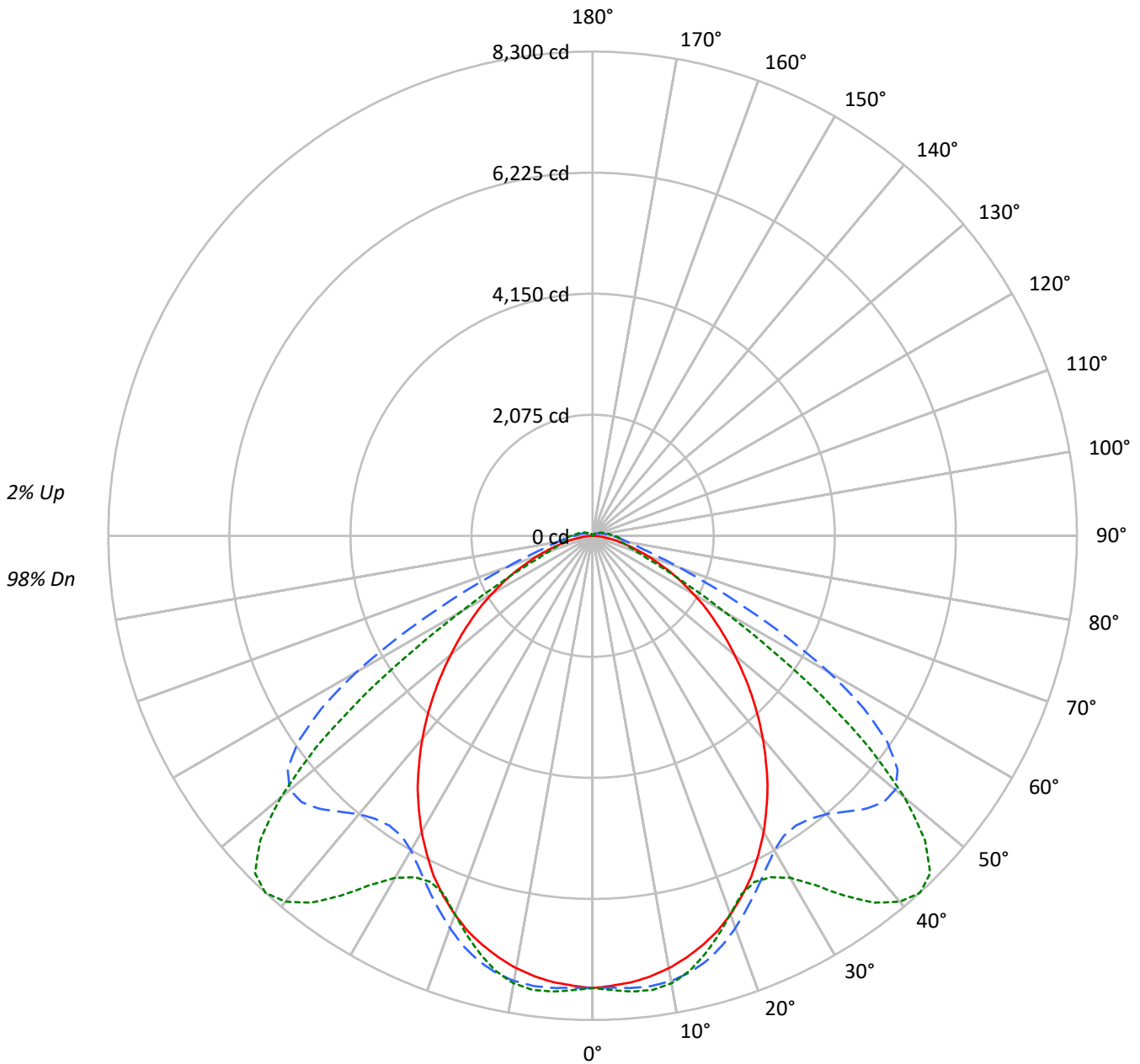
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23214.0 lumens  
Efficiency: N/A  
Efficacy: 168.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 138  
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°	13242	13242	13242
5°	13119	13224	13328
10°	12954	13203	13279
15°	12702	12985	12790
20°	12355	12538	12101
25°	11892	11998	11795
30°	11276	11597	12619
35°	10573	11811	14674
40°	9757	12791	16846
45°	8904	14509	17965
50°	8015	16044	16564
55°	7179	16023	12517
60°	6328	13555	7549
65°	5429	9359	4492
70°	4411	6050	3165
75°	3355	4334	2829
80°	2409	3806	3002
85°	1635	4180	4176



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	740.9	3.2
10°-20°	2098.0	9.0
20°-30°	3070.0	13.2
30°-40°	3987.1	17.2
40°-50°	4868.7	21.0
50°-60°	4287.7	18.5
60°-70°	2234.3	9.6
70°-80°	958.2	4.1
80°-90°	460.1	2.0
90°-100°	216.2	0.9
100°-110°	134.4	0.6
110°-120°	79.5	0.3
120°-130°	43.2	0.2
130°-140°	21.7	0.1
140°-150°	10.4	0.0
150°-160°	3.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5908.9	25.5
0°-40°	9896.0	42.6
0°-60°	19052.4	82.1
0°-90°	22705.1	97.8
90°-120°	430.0	1.9
90°-150°	505.3	2.2
90°-180°	509.0	2.2
0°-180°	23214.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7753	7753	7753	7753	7753	
5°	7681	7740	7782	7850	7842	728
15°	7268	7472	7544	7487	7427	2046
25°	6440	6784	6669	6544	6550	2955
35°	5227	5779	6069	7077	7531	3258
45°	3849	4842	6619	8014	8181	2968
55°	2563	4242	6164	5405	4804	2300
65°	1470	2939	2822	1569	1350	1455
75°	592	1375	907	621	589	646
85°	126	490	462	452	457	140
90°	2	177	304	348	356	9
95°	3	104	242	284	293	2
105°	7	58	157	189	192	7
115°	10	34	97	119	122	10
125°	12	17	57	74	75	10
135°	10	10	27	45	47	8
145°	13	10	12	22	25	8
155°	13	13	10	10	10	4
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°	7753.1	7753.1	7753.1	7753.1	7753.1
2.5°	7719.6	7753.1	7754.7	7801.6	7796.5
5°	7681.1	7739.7	7781.5	7850.1	7841.7
7.5°	7617.6	7709.6	7783.2	7858.4	7851.7
10°	7527.2	7652.7	7749.7	7811.6	7791.5
12.5°	7410.1	7575.7	7671.1	7684.5	7646.0
15°	7268.0	7472.0	7544.0	7487.1	7426.9
17.5°	7107.4	7346.6	7371.7	7247.9	7172.6
20°	6906.7	7179.3	7154.2	6983.6	6900.0
22.5°	6684.2	6995.3	6915.0	6736.0	6655.7
25°	6440.0	6784.5	6669.1	6543.7	6550.4
27.5°	6153.9	6545.3	6433.3	6490.1	6597.2
30°	5862.9	6294.4	6225.9	6557.1	6767.8
32.5°	5543.4	6036.8	6098.7	6752.8	7097.3
35°	5227.2	5779.2	6068.6	7077.3	7530.6
37.5°	4877.6	5518.3	6117.1	7452.0	7927.0
40°	4538.1	5264.0	6227.5	7788.2	8189.6
42.5°	4191.8	5036.6	6413.2	7987.2	8300.0
45°	3848.9	4842.5	6618.9	8014.0	8181.3
47.5°	3506.0	4678.6	6761.1	7801.6	7724.6
50°	3174.8	4533.1	6771.2	7291.4	6976.9
52.5°	2865.4	4399.3	6587.2	6478.4	5990.0
55°	2562.6	4242.0	6164.0	5404.6	4804.0
57.5°	2286.6	4024.6	5511.6	4250.4	3594.7
60°	1993.9	3730.2	4668.6	3109.6	2592.7
62.5°	1724.6	3363.8	3723.5	2164.5	1863.4
65°	1470.3	2939.0	2821.9	1569.0	1349.9
67.5°	1201.0	2499.0	2082.5	1144.1	1003.6
70°	990.2	2090.9	1550.6	889.9	807.9
72.5°	774.5	1702.8	1159.2	722.6	677.5
75°	592.1	1375.0	906.6	620.6	588.8
77.5°	436.6	1087.3	729.3	548.7	518.5
80°	306.1	856.4	610.5	490.1	478.4
82.5°	205.7	662.4	520.2	466.7	468.4
85°	125.5	490.1	461.7	451.6	456.7
87.5°	60.2	347.9	396.4	411.5	416.5
90°	1.7	177.3	304.4	347.9	356.3
92.5°	0.0	135.5	267.6	311.1	319.5
95°	3.3	103.7	242.5	284.4	292.7
97.5°	3.3	85.3	217.5	260.9	266.0
100°	5.0	73.6	194.0	235.9	240.9
102.5°	5.0	65.2	174.0	210.8	214.1
105°	6.7	58.5	157.2	189.0	192.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.0	40.1	110.4	133.8	137.2
115°	10.0	33.5	97.0	118.8	122.1
117.5°	11.7	30.1	85.3	105.4	107.1
120°	11.7	25.1	73.6	93.7	95.3
122.5°	11.7	20.1	65.2	83.6	85.3
125°	11.7	16.7	56.9	73.6	75.3
127.5°	10.0	11.7	48.5	65.2	66.9
130°	10.0	10.0	40.1	56.9	60.2
132.5°	10.0	10.0	33.5	50.2	53.5
135°	10.0	10.0	26.8	45.2	46.8
137.5°	10.0	10.0	21.7	38.5	41.8
140°	10.0	10.0	16.7	33.5	35.1
142.5°	11.7	10.0	15.1	28.4	30.1
145°	13.4	10.0	11.7	21.7	25.1
147.5°	13.4	11.7	11.7	18.4	20.1
150°	13.4	13.4	10.0	13.4	16.7
152.5°	13.4	13.4	10.0	10.0	13.4
155°	13.4	13.4	10.0	10.0	10.0
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°	8.4	51.9	140.5	168.9	172.3
110°	8.4	45.2	123.8	150.5	153.9



(END OF REPORT)