

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: P829223

Luminaire Tested: **OHB-24HE-W-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829223  
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-24HE-W-UNV-L930-CD  
Description: 24000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

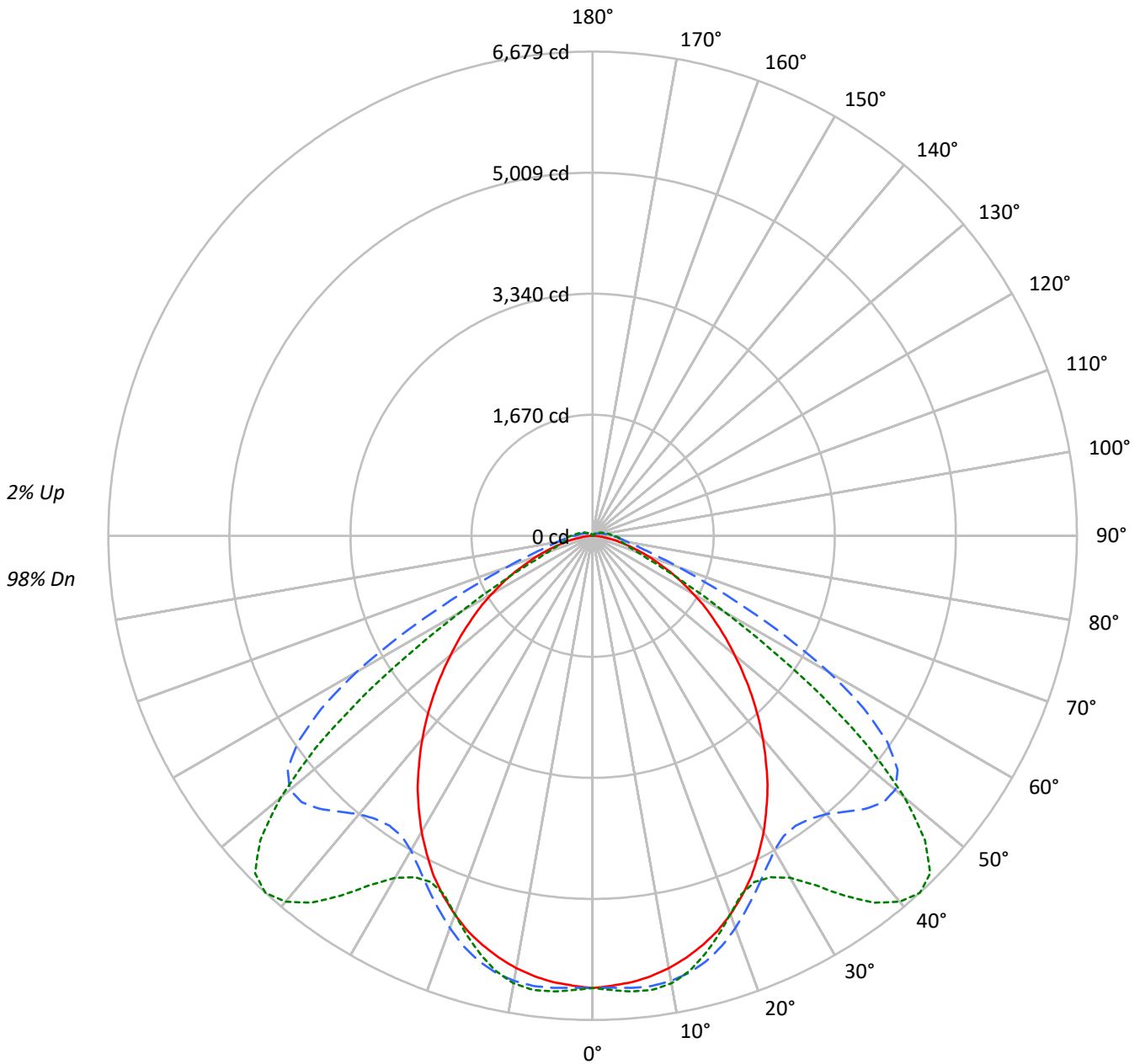
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18680.0 lumens  
Efficiency: N/A  
Efficacy: 143.7 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): 130  
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°	19297	19297	19297
5°	19047	19229	19435
10°	18739	19159	19375
15°	18305	18802	18674
20°	17737	18116	17680
25°	17002	17295	17244
30°	16051	16676	18464
35°	14978	16939	21488
40°	13750	18293	24690
45°	12473	20683	26357
50°	11148	22785	24330
55°	9901	22656	18412
60°	8635	19064	11122
65°	7308	13074	6632
70°	5826	8375	4687
75°	4308	5923	4208
80°	2946	5096	4496
85°	1805	5391	6336



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.2	3.2
10°-20°	1688.2	9.0
20°-30°	2470.4	13.2
30°-40°	3208.4	17.2
40°-50°	3917.8	21.0
50°-60°	3450.2	18.5
60°-70°	1797.9	9.6
70°-80°	771.0	4.1
80°-90°	370.3	2.0
90°-100°	174.0	0.9
100°-110°	108.1	0.6
110°-120°	63.9	0.3
120°-130°	34.8	0.2
130°-140°	17.4	0.1
140°-150°	8.4	0.0
150°-160°	2.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4754.8	25.5
0°-40°	7963.2	42.6
0°-60°	15331.2	82.1
0°-90°	18270.5	97.8
90°-120°	346.0	1.9
90°-150°	406.6	2.2
90°-180°	410.0	2.2
0°-180°	18680.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6239	6239	6239	6239	6239	
5°	6181	6228	6262	6317	6310	586
15°	5848	6013	6070	6025	5976	1647
25°	5182	5459	5367	5266	5271	2378
35°	4206	4650	4883	5695	6060	2622
45°	3097	3897	5326	6449	6583	2388
55°	2062	3414	4960	4349	3866	1851
65°	1183	2365	2271	1263	1086	1171
75°	476	1106	730	499	474	520
85°	101	394	372	363	368	113
90°	1	143	245	280	287	7
95°	3	84	195	229	236	2
105°	5	47	126	152	155	6
115°	8	27	78	96	98	8
125°	9	14	46	59	61	8
135°	8	8	22	36	38	6
145°	11	8	9	18	20	6
155°	11	11	8	8	8	3
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°	6238.8	6238.8	6238.8	6238.8	6238.8
2.5°	6211.9	6238.8	6240.1	6277.8	6273.8
5°	6180.9	6228.0	6261.7	6316.8	6310.1
7.5°	6129.8	6203.8	6263.0	6323.6	6318.2
10°	6057.1	6158.0	6236.1	6285.9	6269.7
12.5°	5962.8	6096.1	6172.8	6183.6	6152.6
15°	5848.4	6012.6	6070.5	6024.8	5976.3
17.5°	5719.2	5911.7	5931.9	5832.3	5771.7
20°	5557.7	5777.1	5756.9	5619.6	5552.3
22.5°	5378.7	5629.0	5564.4	5420.4	5355.8
25°	5182.2	5459.4	5366.6	5265.6	5271.0
27.5°	4952.0	5267.0	5176.8	5222.5	5308.7
30°	4717.8	5065.1	5009.9	5276.4	5446.0
32.5°	4460.7	4857.8	4907.6	5433.9	5711.1
35°	4206.3	4650.5	4883.3	5695.0	6059.8
37.5°	3925.0	4440.5	4922.4	5996.5	6378.8
40°	3651.7	4235.9	5011.2	6267.0	6590.1
42.5°	3373.1	4052.9	5160.6	6427.2	6678.9
45°	3097.2	3896.7	5326.2	6448.8	6583.4
47.5°	2821.2	3764.8	5440.6	6277.8	6215.9
50°	2554.7	3647.7	5448.7	5867.3	5614.2
52.5°	2305.7	3540.0	5300.6	5213.1	4820.1
55°	2062.1	3413.5	4960.1	4349.0	3865.8
57.5°	1840.0	3238.5	4435.1	3420.2	2892.6
60°	1604.4	3001.6	3756.7	2502.2	2086.3
62.5°	1387.7	2706.8	2996.2	1741.7	1499.5
65°	1183.1	2364.9	2270.7	1262.6	1086.2
67.5°	966.4	2010.9	1675.8	920.7	807.6
70°	796.8	1682.5	1247.8	716.1	650.1
72.5°	623.2	1370.2	932.8	581.5	545.1
75°	476.5	1106.4	729.5	499.4	473.8
77.5°	351.3	874.9	586.9	441.5	417.3
80°	246.3	689.2	491.3	394.4	385.0
82.5°	165.6	533.0	418.6	375.5	376.9
85°	101.0	394.4	371.5	363.4	367.5
87.5°	48.5	280.0	319.0	331.1	335.2
90°	1.3	142.7	245.0	280.0	286.7
92.5°	0.0	109.0	215.4	250.4	257.1
95°	2.7	83.5	195.2	228.8	235.6
97.5°	2.7	68.6	175.0	210.0	214.0
100°	4.0	59.2	156.1	189.8	193.8
102.5°	4.0	52.5	140.0	169.6	172.3
105°	5.4	47.1	126.5	152.1	154.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	8.1	32.3	88.8	107.7	110.4
115°	8.1	26.9	78.1	95.6	98.3
117.5°	9.4	24.2	68.6	84.8	86.1
120°	9.4	20.2	59.2	75.4	76.7
122.5°	9.4	16.2	52.5	67.3	68.6
125°	9.4	13.5	45.8	59.2	60.6
127.5°	8.1	9.4	39.0	52.5	53.8
130°	8.1	8.1	32.3	45.8	48.5
132.5°	8.1	8.1	26.9	40.4	43.1
135°	8.1	8.1	21.5	36.3	37.7
137.5°	8.1	8.1	17.5	31.0	33.7
140°	8.1	8.1	13.5	26.9	28.3
142.5°	9.4	8.1	12.1	22.9	24.2
145°	10.8	8.1	9.4	17.5	20.2
147.5°	10.8	9.4	9.4	14.8	16.2
150°	10.8	10.8	8.1	10.8	13.5
152.5°	10.8	10.8	8.1	8.1	10.8
155°	10.8	10.8	8.1	8.1	8.1
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°	6.7	41.7	113.1	135.9	138.6
110°	6.7	36.3	99.6	121.1	123.8



(END OF REPORT)