

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: P827727

Luminaire Tested: **OHBL-24HE-A-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827727  
REPORT IS A COMBINATION OF REPORTS P826071 AND G3-2310-221-12  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-24HE-A-UNV-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

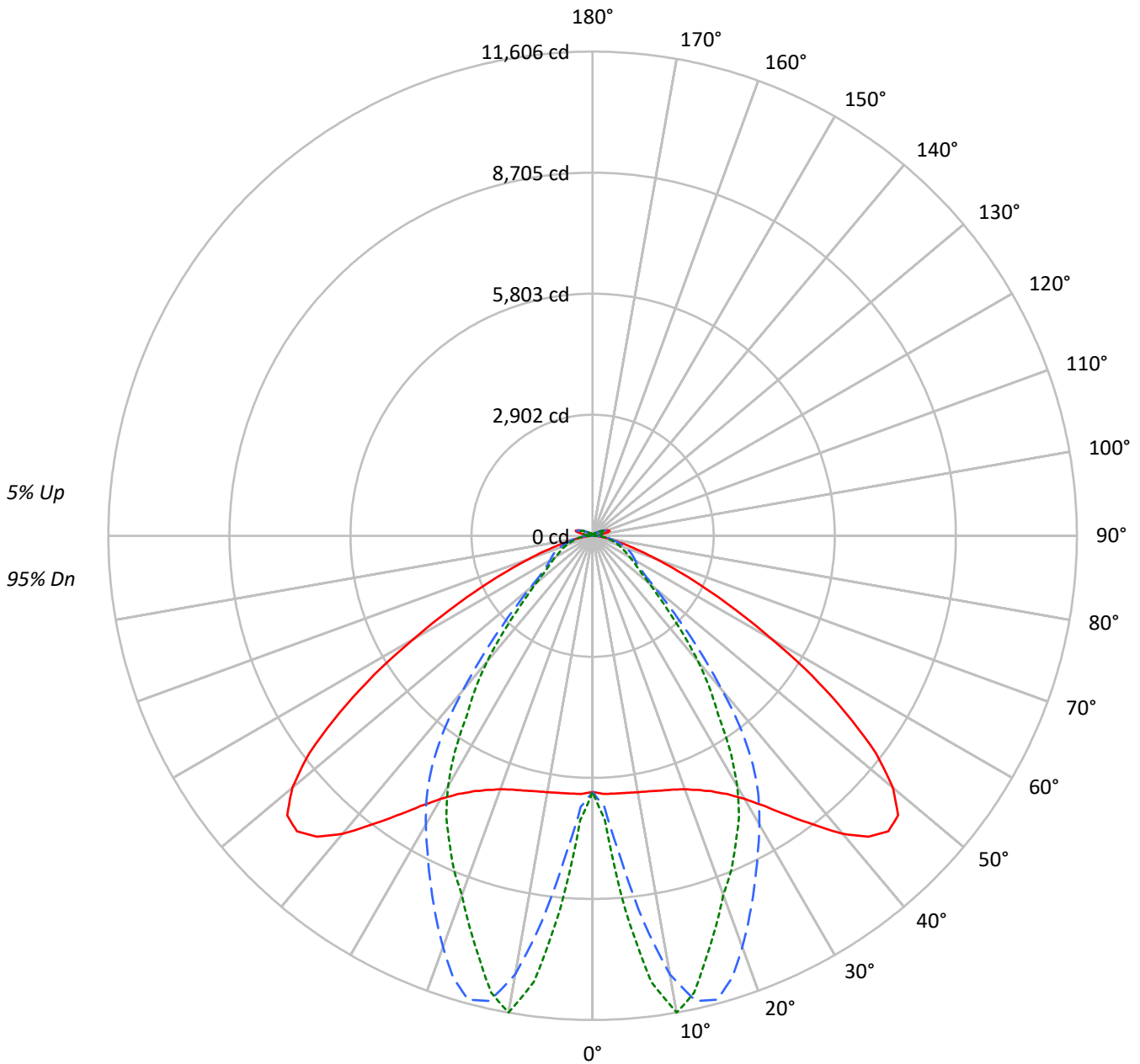
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20714.6 lumens  
Efficiency: N/A  
Efficacy: 146.5 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 141.4  
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					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95								
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83								
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73								
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64								
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56								
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50								
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45								
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40								
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37								
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33								
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31								

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

	0°	45°	90°
0°	9713	9713	9713
5°	9769	12221	14238
10°	9862	16857	18494
15°	10103	18372	16974
20°	10528	17055	15169
25°	11304	15345	13875
30°	12614	13825	12338
35°	14841	12107	9832
40°	17861	9226	7825
45°	20509	6290	5569
50°	20816	4318	4119
55°	18043	3402	3365
60°	13501	3186	3028
65°	9274	3202	2868
70°	5947	3095	2777
75°	3591	2873	2657
80°	2128	2536	2742
85°	1037	2197	2542



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	801.8	3.9
10°-20°	2829.9	13.7
20°-30°	4170.0	20.1
30°-40°	4382.0	21.2
40°-50°	3353.0	16.2
50°-60°	2024.7	9.8
60°-70°	1235.5	6.0
70°-80°	674.4	3.3
80°-90°	239.3	1.2
90°-100°	96.2	0.5
100°-110°	334.6	1.6
110°-120°	287.4	1.4
120°-130°	137.7	0.7
130°-140°	68.9	0.3
140°-150°	40.1	0.2
150°-160°	23.4	0.1
160°-170°	12.1	0.1
170°-180°	3.7	0.0
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0°-30°	7801.6	37.7
0°-40°	12183.6	58.8
0°-60°	17561.4	84.8
0°-90°	19710.5	95.2
90°-120°	718.2	3.5
90°-150°	964.9	4.7
90°-180°	1004.0	4.8
0°-180°	20714.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6142	6142	6142	6142	6142	
5°	6203	6655	7764	8669	9003	593
15°	6324	9850	11512	10742	10490	1798
25°	6758	11432	9190	8321	8115	3158
35°	8186	9155	6695	5576	5250	5193
45°	10019	5224	3084	2714	2600	7570
55°	7409	1771	1404	1301	1297	6547
65°	2970	1121	1033	884	839	3044
75°	791	697	640	528	506	910
85°	118	216	255	232	211	145
90°	2	15	19	25	28	8
95°	20	47	70	94	108	66
105°	418	413	352	250	230	395
115°	291	291	292	289	284	291
125°	142	148	151	150	150	133
135°	82	85	88	89	89	66
145°	61	62	63	64	65	38
155°	48	49	50	51	51	23
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6141.6	6141.6	6141.6	6141.6	6141.6
2.5°	6191.8	6255.0	6504.2	6762.8	6825.7
5°	6203.2	6655.1	7763.6	8668.7	9003.2
7.5°	6216.3	7303.2	9324.0	10432.2	10787.0
10°	6241.4	8122.8	10676.1	11471.7	11605.7
12.5°	6272.4	8991.1	11420.1	11391.1	11222.0
15°	6324.1	9849.9	11511.7	10742.2	10489.6
17.5°	6378.3	10576.5	11111.9	10035.9	9815.9
20°	6466.5	11115.9	10490.1	9407.9	9158.1
22.5°	6593.7	11412.5	9838.1	8840.2	8677.1
25°	6757.8	11431.6	9190.4	8320.6	8115.2
27.5°	6977.7	11166.4	8569.7	7811.5	7594.5
30°	7276.9	10658.7	7993.0	7197.6	6928.5
32.5°	7683.2	9927.9	7398.3	6456.5	6154.7
35°	8185.7	9154.6	6695.4	5575.9	5249.8
37.5°	8734.0	8296.1	5842.4	4796.0	4606.1
40°	9324.0	7411.4	4831.3	4066.2	3930.4
42.5°	9784.3	6449.7	3892.2	3379.2	3234.5
45°	10019.0	5223.8	3084.2	2713.9	2599.9
47.5°	9927.6	4054.9	2445.0	2156.4	2122.1
50°	9394.3	2994.1	1957.3	1776.4	1762.2
52.5°	8560.5	2231.7	1616.7	1504.9	1480.4
55°	7409.3	1771.4	1404.0	1301.3	1297.3
57.5°	6220.8	1504.9	1274.4	1194.9	1167.2
60°	4953.0	1341.8	1176.1	1086.3	1030.3
62.5°	3882.4	1227.8	1104.0	982.0	929.7
65°	2970.5	1121.4	1032.9	883.8	838.8
67.5°	2214.3	1020.0	946.0	780.6	754.3
70°	1613.4	916.0	847.0	694.2	673.4
72.5°	1149.9	812.2	748.0	613.1	590.2
75°	790.9	697.3	639.7	527.8	506.4
77.5°	533.6	580.1	533.0	450.6	441.7
80°	356.3	460.1	431.1	381.9	376.4
82.5°	216.2	333.9	340.2	310.5	295.5
85°	117.7	216.2	254.9	232.3	210.7
87.5°	46.1	119.8	175.7	157.8	148.6
90°	2.4	14.6	19.4	25.1	28.3
92.5°	7.3	18.6	30.7	43.6	47.7
95°	20.2	46.9	69.5	93.8	108.3
97.5°	109.1	118.8	134.2	158.4	166.5
100°	223.1	240.1	199.7	208.6	212.6
102.5°	354.9	350.0	255.4	231.2	227.1
105°	417.9	413.1	352.4	249.8	229.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	337.9	340.3	337.9	325.0	311.2
115°	291.0	291.0	291.8	289.4	284.5
117.5°	244.1	247.4	249.8	247.4	245.7
120°	204.5	209.4	211.0	207.7	207.7
122.5°	172.2	176.2	178.6	176.2	177.0
125°	142.3	147.9	151.2	149.5	150.4
127.5°	118.8	123.7	129.3	128.5	128.5
130°	103.5	106.7	110.7	111.6	111.6
132.5°	92.2	94.6	97.8	98.6	99.4
135°	82.4	84.9	88.1	88.9	88.9
137.5°	76.0	77.6	80.0	80.8	81.6
140°	69.5	71.9	73.6	74.4	74.4
142.5°	64.7	66.3	67.9	68.7	69.5
145°	60.6	62.2	63.0	63.9	64.7
147.5°	56.6	58.2	59.8	59.8	60.6
150°	54.2	55.0	55.8	56.6	56.6
152.5°	50.9	51.7	52.5	53.4	53.4
155°	48.5	49.3	50.1	50.9	50.9
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	420.3	422.0	388.8	301.5	249.8
110°	384.8	390.4	372.6	339.5	298.3



(END OF REPORT)