

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: P827595

Luminaire Tested: **OHB-24HE-NL-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827595  
REPORT IS A COMBINATION OF REPORTS P826039 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: OHB-24HE-NL-UNV-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

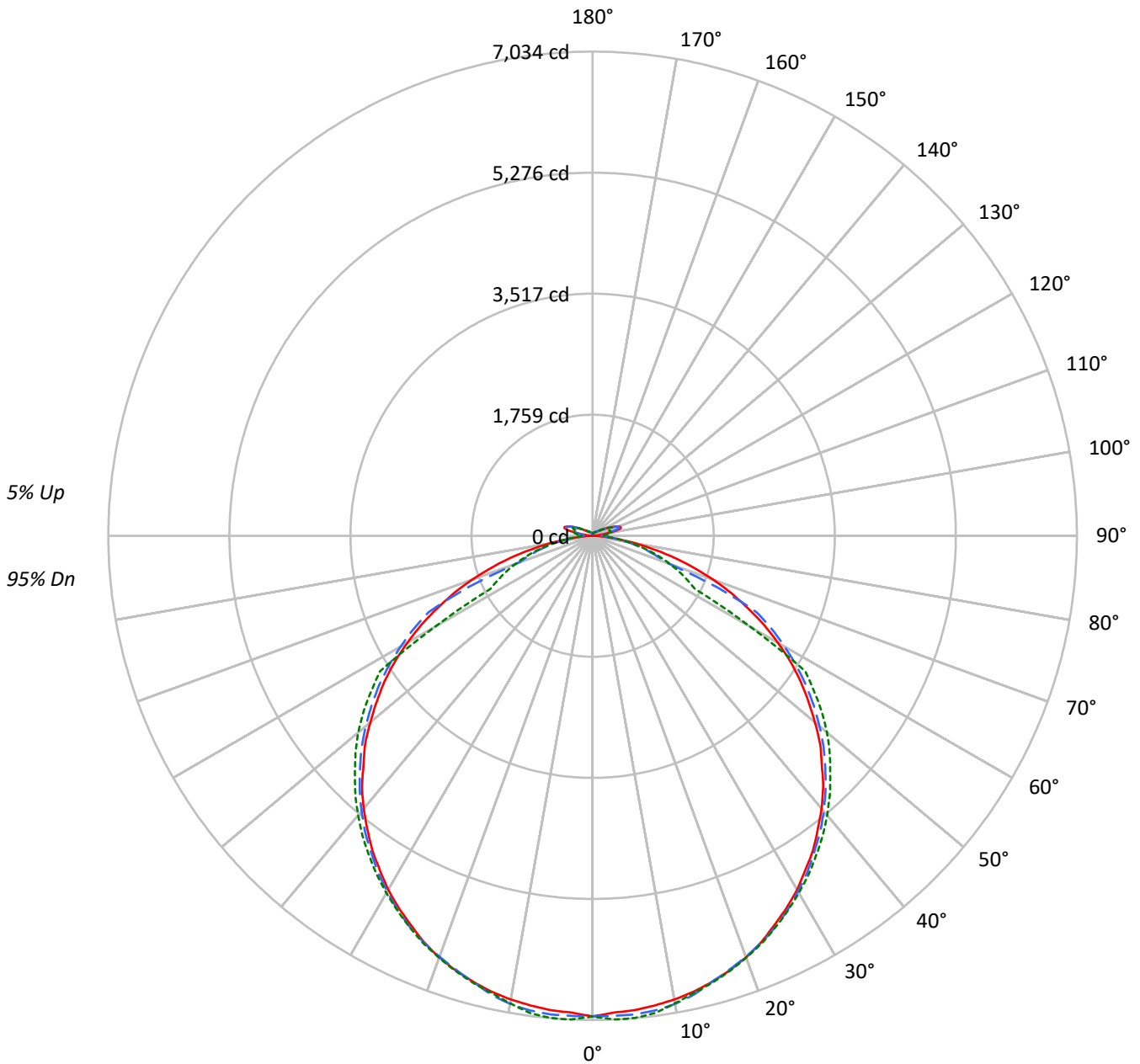
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20611.1 lumens  
Efficiency: N/A  
Efficacy: 148.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 138.4  
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									
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	114	114	114	114	108	108	108	102	102	102	97	97	97	95																			
1	108	103	99	96	105	101	97	94	95	92	90	91	88	86	86	84	83	80																			
2	98	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	40	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	32																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	37	31	26	36	30	26	35	29	25	24																			

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

	0°	45°	90°
0°	21598	21598	21598
5°	21375	21530	21738
10°	21276	21402	21466
15°	21166	21049	21230
20°	21026	20844	21075
25°	20767	20682	20926
30°	20547	20421	20778
35°	20280	20116	20636
40°	19956	19823	20506
45°	19502	19423	20302
50°	19016	18973	20131
55°	18426	18409	19683
60°	17534	17592	15102
65°	16249	16551	9969
70°	14593	8454	9411
75°	12152	7566	8604
80°	8579	6227	7273
85°	3484	4820	5792



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	663.4	3.2
10°-20°	1899.4	9.2
20°-30°	2890.1	14.0
30°-40°	3514.0	17.0
40°-50°	3694.8	17.9
50°-60°	3373.8	16.4
60°-70°	2162.8	10.5
70°-80°	1021.7	5.0
80°-90°	285.8	1.4
90°-100°	171.2	0.8
100°-110°	355.1	1.7
110°-120°	293.1	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
0°-30°	5452.9	26.5
0°-40°	8966.9	43.5
0°-60°	16035.5	77.8
0°-90°	19505.8	94.6
90°-120°	819.4	4.0
90°-150°	1066.1	5.2
90°-180°	1105.0	5.4
0°-180°	20611.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6983	6983	6983	6983	6983	
5°	6918	6945	6980	7018	7033	658
15°	6708	6758	6707	6717	6722	1894
25°	6243	6252	6274	6284	6279	2881
35°	5580	5547	5610	5679	5663	3487
45°	4706	4698	4777	4890	4881	3637
55°	3688	3660	3784	3910	3920	3289
65°	2485	2485	2629	1508	1513	2463
75°	1228	1251	812	855	859	1294
85°	160	203	254	274	260	237
90°	2	83	132	158	159	9
95°	24	82	150	203	217	68
105°	424	427	372	269	248	401
115°	297	300	304	298	286	295
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°	6982.6	6982.6	6982.6	6982.6	6982.6
2.5°	6933.6	6956.9	6982.6	7015.7	7034.0
5°	6917.6	6944.6	6980.1	7018.2	7032.8
7.5°	6883.4	6921.3	6955.6	6982.6	6991.2
10°	6840.4	6885.9	6905.4	6903.0	6896.9
12.5°	6782.9	6830.7	6824.6	6796.3	6801.2
15°	6708.1	6758.3	6707.0	6716.7	6721.6
17.5°	6619.9	6669.0	6608.9	6628.5	6629.8
20°	6517.0	6553.8	6507.2	6523.2	6523.2
22.5°	6393.3	6419.0	6399.4	6410.4	6412.9
25°	6242.6	6252.3	6274.4	6284.2	6279.3
27.5°	6098.1	6085.8	6128.7	6151.9	6139.6
30°	5937.5	5917.9	5968.1	6006.1	5991.4
32.5°	5753.6	5741.5	5799.1	5844.3	5835.8
35°	5579.7	5546.6	5610.3	5678.9	5663.0
37.5°	5373.9	5354.2	5426.5	5498.9	5490.4
40°	5172.9	5139.9	5221.9	5307.7	5299.1
42.5°	4957.3	4918.0	5007.5	5110.5	5100.7
45°	4706.0	4697.5	4777.2	4889.9	4881.3
47.5°	4483.2	4440.3	4551.7	4660.8	4670.6
50°	4213.5	4197.7	4299.4	4431.7	4441.5
52.5°	3950.2	3939.2	4045.6	4179.2	4196.4
55°	3687.9	3659.7	3783.5	3909.7	3919.6
57.5°	3407.4	3378.0	3504.2	3641.5	3662.2
60°	3107.2	3079.0	3217.4	3344.9	2660.0
62.5°	2807.0	2787.4	2932.1	2076.8	1673.7
65°	2484.7	2484.7	2629.3	1508.3	1513.2
67.5°	2183.4	2163.8	1960.5	1355.0	1355.0
70°	1859.9	1867.3	1129.6	1187.3	1188.5
72.5°	1535.2	1562.2	975.3	1021.8	1024.2
75°	1227.7	1251.0	812.3	855.2	858.9
77.5°	901.8	693.5	653.0	686.2	687.4
80°	633.4	437.4	500.0	531.7	528.1
82.5°	370.0	306.3	366.3	389.7	388.4
85°	160.5	203.4	253.6	274.5	259.7
87.5°	51.3	126.2	158.0	170.3	169.0
90°	2.4	83.2	132.2	158.5	159.4
92.5°	7.3	72.4	128.8	166.3	171.4
95°	23.8	82.4	150.4	202.9	217.4
97.5°	111.6	144.5	191.8	244.2	254.7
100°	225.5	260.8	237.6	269.7	275.1
102.5°	360.9	367.1	278.6	270.4	267.6
105°	424.0	426.6	372.0	269.3	248.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	345.2	350.2	351.4	334.8	312.3
115°	297.1	299.6	304.0	298.0	285.7
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°	426.4	434.2	405.9	312.5	253.4
110°	392.1	401.4	387.3	349.4	299.4



(END OF REPORT)