

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: P827931

Luminaire Tested: **OHB-30SE-A-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827931  
REPORT IS A COMBINATION OF REPORTS P826101 AND G3-2310-221-10  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-30SE-A-UNV-L935-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

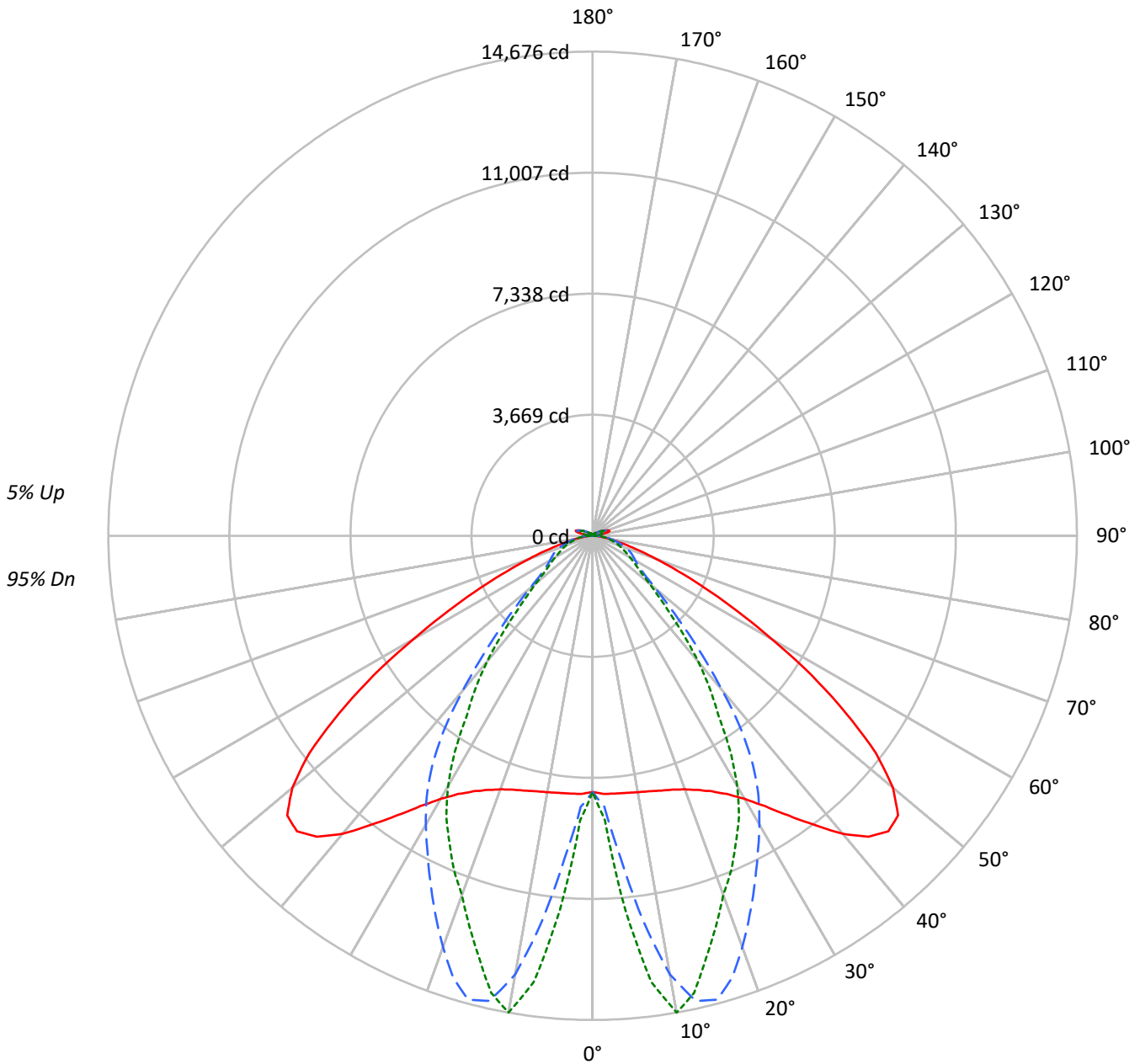
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26187.7 lumens  
Efficiency: N/A  
Efficacy: 136.9 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 191.3  
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	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°	25943	25943	25943
5°	26076	32545	37891
10°	26308	44755	49036
15°	26935	48628	44838
20°	28048	45000	39916
25°	30094	40358	36362
30°	33557	36233	32192
35°	39450	31612	25531
40°	47435	23990	20211
45°	54411	16281	14299
50°	55162	11118	10501
55°	47748	8703	8507
60°	35666	8091	7573
65°	24447	8051	7076
70°	15631	7681	6725
75°	9399	7000	6253
80°	5531	6004	6148
85°	2661	4931	5142



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1013.9	3.9
10°-20°	3578.5	13.7
20°-30°	5273.1	20.1
30°-40°	5541.3	21.2
40°-50°	4240.1	16.2
50°-60°	2560.3	9.8
60°-70°	1562.4	6.0
70°-80°	852.8	3.3
80°-90°	302.5	1.2
90°-100°	121.4	0.5
100°-110°	420.5	1.6
110°-120°	361.3	1.4
120°-130°	173.4	0.7
130°-140°	86.7	0.3
140°-150°	50.3	0.2
150°-160°	29.3	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	9865.5	37.7
0°-40°	15406.8	58.8
0°-60°	22207.2	84.8
0°-90°	24924.9	95.2
90°-120°	903.2	3.4
90°-150°	1213.6	4.6
90°-180°	1263.0	4.8
0°-180°	26187.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7766	7766	7766	7766	7766	
5°	7844	8416	9817	10962	11385	750
15°	7997	12456	14557	13584	13265	2274
25°	8546	14456	11622	10522	10262	3994
35°	10351	11576	8467	7051	6639	6567
45°	12670	6606	3900	3432	3288	9573
55°	9370	2240	1775	1646	1640	8279
65°	3756	1418	1306	1118	1061	3849
75°	1000	882	809	667	640	1151
85°	149	273	322	294	266	184
90°	2	18	24	32	36	10
95°	23	60	89	118	138	83
105°	528	520	443	313	288	499
115°	363	363	367	365	358	367
125°	176	186	191	189	188	166
135°	104	108	110	112	112	83
145°	76	78	79	81	81	48
155°	61	62	63	63	64	29
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7766.2	7766.2	7766.2	7766.2	7766.2
2.5°	7829.9	7909.8	8224.8	8551.9	8631.5
5°	7844.2	8415.7	9817.4	10962.0	11385.0
7.5°	7860.8	9235.2	11790.6	13192.0	13640.6
10°	7892.5	10271.7	13500.4	14506.5	14676.0
12.5°	7931.8	11369.7	14441.2	14404.6	14190.8
15°	7997.1	12455.7	14557.1	13584.0	13264.6
17.5°	8065.7	13374.5	14051.6	12690.8	12412.7
20°	8177.3	14056.6	13265.2	11896.8	11580.8
22.5°	8338.1	14431.5	12440.7	11178.8	10972.7
25°	8545.6	14455.8	11621.8	10521.8	10262.0
27.5°	8823.7	14120.5	10836.8	9878.0	9603.6
30°	9202.0	13478.4	10107.5	9101.8	8761.3
32.5°	9715.8	12554.2	9355.5	8164.6	7782.9
35°	10351.2	11576.5	8466.7	7050.9	6638.7
37.5°	11044.6	10490.8	7387.9	6064.8	5824.7
40°	11790.6	9372.2	6109.4	5142.0	4970.2
42.5°	12372.8	8155.9	4921.8	4273.1	4090.3
45°	12669.5	6605.7	3900.1	3431.9	3287.7
47.5°	12553.9	5127.7	3091.8	2726.8	2683.6
50°	11879.5	3786.2	2475.1	2246.2	2228.3
52.5°	10825.2	2822.1	2044.5	1902.9	1872.0
55°	9369.5	2240.0	1775.4	1645.5	1640.5
57.5°	7866.5	1902.9	1611.5	1511.0	1476.0
60°	6263.3	1696.8	1487.3	1373.8	1302.8
62.5°	4909.5	1552.6	1396.1	1241.8	1175.6
65°	3756.2	1418.1	1306.2	1117.7	1060.7
67.5°	2800.1	1289.8	1196.2	987.1	953.8
70°	2040.2	1158.3	1071.0	877.8	851.6
72.5°	1454.0	1027.1	945.8	775.3	746.3
75°	1000.1	881.8	808.9	667.4	640.4
77.5°	674.8	733.7	674.1	569.8	558.5
80°	450.6	581.8	545.2	482.9	475.9
82.5°	273.4	422.2	430.2	392.7	373.7
85°	148.8	273.4	322.3	293.8	266.4
87.5°	58.3	151.5	222.2	199.5	187.8
90°	2.5	18.3	24.2	31.7	35.8
92.5°	8.3	23.3	38.3	53.3	61.7
95°	23.3	60.0	89.2	118.3	137.5
97.5°	138.3	155.8	170.0	195.8	210.8
100°	280.8	303.3	249.2	261.7	267.5
102.5°	451.7	436.7	322.5	290.0	285.0
105°	527.5	520.0	443.3	313.3	287.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	424.2	430.0	422.5	407.5	392.5
115°	363.3	363.3	366.7	365.0	357.5
117.5°	311.7	310.0	313.3	311.7	310.0
120°	260.0	263.3	264.2	262.5	261.7
122.5°	215.0	221.7	225.8	223.3	222.5
125°	175.8	185.8	190.8	189.2	188.3
127.5°	150.0	155.8	162.5	162.5	160.8
130°	130.0	134.2	139.2	140.0	140.0
132.5°	115.8	119.2	123.3	124.2	125.0
135°	104.2	107.5	110.0	111.7	112.5
137.5°	95.8	97.5	100.8	101.7	102.5
140°	87.5	90.0	92.5	93.3	94.2
142.5°	81.7	83.3	85.0	86.7	86.7
145°	75.8	77.5	79.2	80.8	80.8
147.5°	71.7	73.3	75.0	75.0	75.8
150°	67.5	69.2	70.0	70.8	70.8
152.5°	64.2	65.0	66.7	66.7	67.5
155°	60.8	61.7	63.3	63.3	64.2
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	527.5	528.3	489.2	376.7	315.8
110°	486.7	490.8	469.2	426.7	375.0



(END OF REPORT)