

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: P830379

Luminaire Tested: **OHBL-36SE-A-UNV-L730-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P830379  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36SE-A-UNV-L730-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

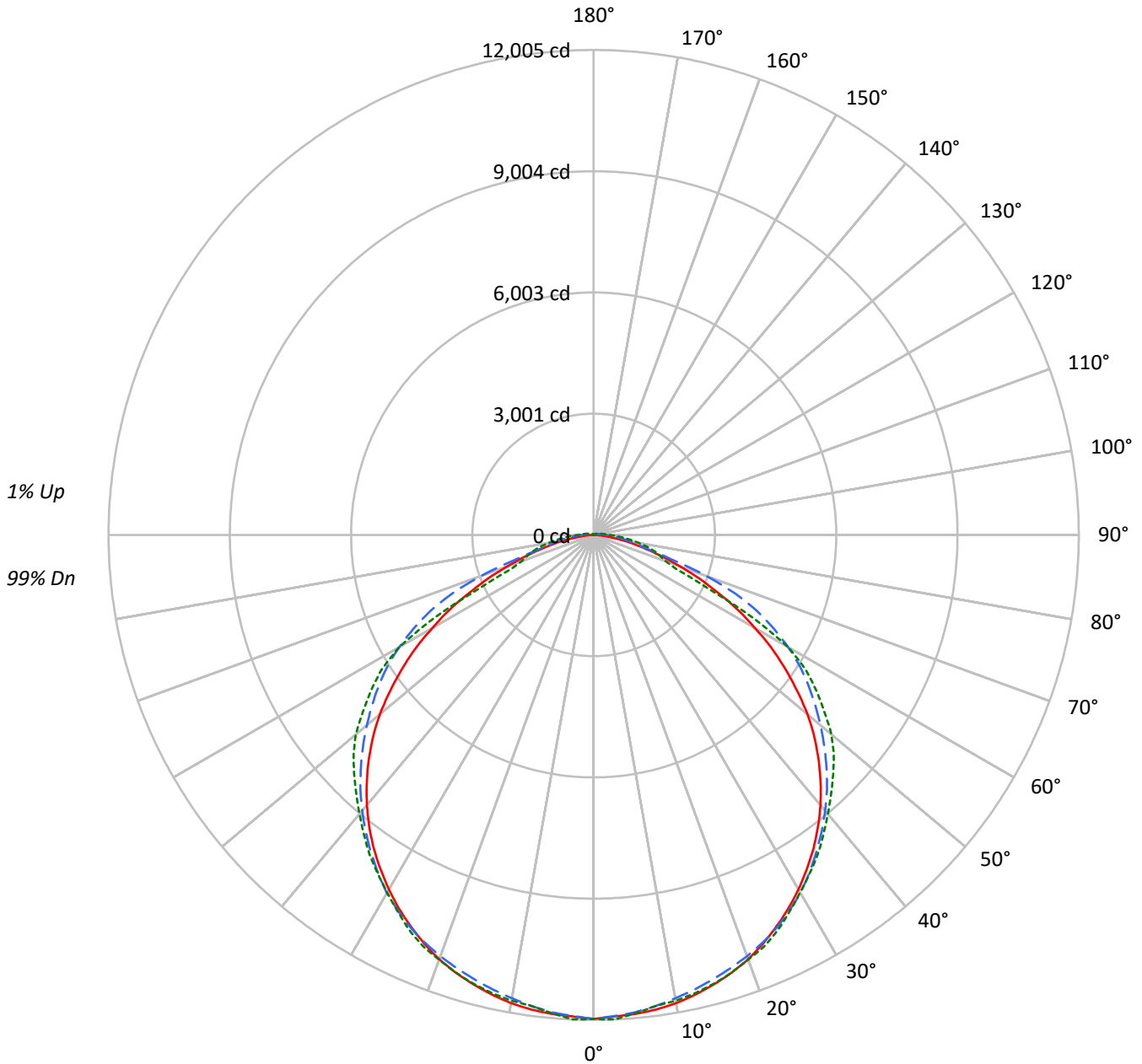
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33862.0 lumens  
Efficiency: N/A  
Efficacy: 160.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 211  
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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

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

	0°	45°	90°
0°	18947	18947	18947
5°	18823	18671	18711
10°	18754	18389	18503
15°	18635	18177	18379
20°	18516	18044	18216
25°	18292	17910	18055
30°	18049	17698	17714
35°	17759	17363	17525
40°	17381	17016	17269
45°	16858	16615	17155
50°	16148	16158	17019
55°	15021	15709	16384
60°	13546	15052	15147
65°	11620	13831	9600
70°	9359	10798	6960
75°	7017	6410	7064
80°	4884	5330	6744
85°	2780	4884	6322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1129.6	3.3
10°-20°	3239.3	9.6
20°-30°	4947.4	14.6
30°-40°	6002.9	17.7
40°-50°	6291.6	18.6
50°-60°	5701.1	16.8
60°-70°	3822.4	11.3
70°-80°	1716.4	5.1
80°-90°	622.9	1.8
90°-100°	187.5	0.6
100°-110°	88.5	0.3
110°-120°	44.3	0.1
120°-130°	24.5	0.1
130°-140°	16.8	0.0
140°-150°	11.3	0.0
150°-160°	8.4	0.0
160°-170°	5.4	0.0
170°-180°	1.7	0.0
0°-30°	9316.3	27.5
0°-40°	15319.2	45.2
0°-60°	27311.9	80.7
0°-90°	33473.6	98.9
90°-120°	320.3	0.9
90°-150°	372.9	1.1
90°-180°	388.0	1.1
0°-180°	33862.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11980	11980	11980	11980	11980	
5°	11902	11944	11861	11897	11882	###
15°	11516	11471	11390	11490	11504	3252
25°	10698	10652	10726	10825	10794	4931
35°	9482	9505	9602	9704	9666	5927
45°	7870	7998	8147	8355	8381	6062
55°	5791	6070	6484	6744	6728	5169
65°	3399	3930	4462	3766	3075	3386
75°	1337	1940	1427	1460	1556	1461
85°	230	442	566	684	717	281
90°	2	147	293	367	385	14
95°	2	92	201	244	251	2
105°	7	40	99	120	125	8
115°	14	21	50	64	68	13
125°	12	14	31	36	38	12
135°	16	17	19	28	29	12
145°	16	17	17	19	21	10
155°	17	19	19	19	17	8
165°	19	19	19	19	19	5
175°	19	19	17	16	16	2
180°	17	17	17	17	17	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11980.4	11980.4	11980.4	11980.4	<i>11980.4</i>
2.5°	<i>11931.9</i>	<i>11982.1</i>	<i>11919.8</i>	<i>11987.3</i>	<i>12004.7</i>
5°	11902.5	11944.0	11860.9	11897.3	<i>11881.7</i>
7.5°	11848.8	11862.6	11763.9	11793.3	<i>11762.1</i>
10°	11769.1	11762.1	11646.1	11703.2	<i>11710.2</i>
12.5°	11651.3	11630.5	11526.5	11613.2	<i>11614.9</i>
15°	11516.2	11471.1	11389.7	11490.2	<i>11504.0</i>
17.5°	11360.3	11301.4	11247.7	11377.6	<i>11356.8</i>
20°	11178.4	11109.1	11098.7	11240.7	<i>11188.8</i>
22.5°	10953.2	10899.5	10923.7	11058.8	<i>11025.9</i>
25°	10698.5	10651.8	10726.2	10825.0	<i>10793.8</i>
27.5°	10430.0	10402.3	10487.2	10563.4	<i>10502.8</i>
30°	10135.5	10119.9	10232.5	10294.9	<i>10218.7</i>
32.5°	9815.1	9820.3	9927.7	10012.5	<i>9941.5</i>
35°	9482.5	9505.0	9602.0	9704.2	<i>9666.1</i>
37.5°	9117.0	9167.2	9264.2	9380.3	<i>9340.4</i>
40°	8730.7	8803.4	8910.8	9051.1	<i>9014.8</i>
42.5°	8313.2	8405.0	8543.6	8699.5	<i>8696.0</i>
45°	7869.7	7997.9	8146.9	8354.8	<i>8380.7</i>
47.5°	7408.9	7552.7	7741.5	8018.7	<i>8058.5</i>
50°	6908.3	7088.5	7324.1	7656.6	<i>7680.9</i>
52.5°	6350.5	6596.5	6908.3	7227.0	<i>7197.6</i>
55°	5791.0	6069.9	6483.9	6743.7	<i>6728.2</i>
57.5°	5233.2	5546.7	6049.1	6234.5	<i>6232.7</i>
60°	4609.6	5006.3	5555.4	5695.7	<i>5557.1</i>
62.5°	4032.7	4458.9	5028.8	4926.6	<i>4451.9</i>
65°	3398.7	3930.5	4462.3	3766.0	<i>3074.8</i>
67.5°	2835.7	3390.1	3790.2	2579.4	<i>2208.6</i>
70°	2269.3	2880.8	2955.3	1914.2	<i>1888.2</i>
72.5°	1766.9	2418.3	2038.9	1638.7	<i>1721.9</i>
75°	1337.3	1940.1	1427.4	1460.3	<i>1555.6</i>
77.5°	975.3	1489.8	1110.4	1280.2	<i>1358.1</i>
80°	670.4	1055.0	906.0	1075.7	<i>1129.4</i>
82.5°	420.9	696.4	725.8	866.1	<i>921.6</i>
85°	230.4	441.7	566.5	684.2	<i>717.2</i>
87.5°	95.3	266.8	433.1	528.3	<i>556.1</i>
90°	1.7	147.2	292.8	367.2	<i>384.6</i>
92.5°	1.7	112.6	239.1	296.2	<i>308.3</i>
95°	1.7	91.8	200.9	244.3	<i>251.2</i>
97.5°	3.5	72.8	168.0	202.7	<i>209.6</i>
100°	5.2	60.6	140.3	169.8	<i>175.0</i>
102.5°	6.9	48.5	117.8	142.0	<i>147.2</i>
105°	6.9	39.8	98.7	119.5	<i>124.7</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	12.1	24.3	58.9	74.5	78.0
115°	13.9	20.8	50.2	64.1	67.6
117.5°	13.9	17.3	43.3	53.7	57.2
120°	13.9	15.6	38.1	46.8	48.5
122.5°	13.9	13.9	32.9	41.6	43.3
125°	12.1	13.9	31.2	36.4	38.1
127.5°	13.9	13.9	27.7	32.9	34.6
130°	13.9	15.6	24.3	31.2	31.2
132.5°	15.6	17.3	22.5	29.4	29.4
135°	15.6	17.3	19.1	27.7	29.4
137.5°	17.3	17.3	17.3	26.0	27.7
140°	17.3	17.3	15.6	22.5	24.3
142.5°	15.6	17.3	15.6	20.8	22.5
145°	15.6	17.3	17.3	19.1	20.8
147.5°	17.3	17.3	17.3	17.3	19.1
150°	17.3	17.3	17.3	17.3	17.3
152.5°	17.3	17.3	17.3	17.3	17.3
155°	17.3	19.1	19.1	19.1	17.3
157.5°	17.3	19.1	19.1	19.1	19.1
160°	17.3	19.1	19.1	19.1	19.1
162.5°	19.1	19.1	19.1	19.1	19.1
165°	19.1	19.1	19.1	19.1	19.1
167.5°	19.1	20.8	19.1	19.1	19.1
170°	19.1	19.1	19.1	17.3	17.3
172.5°	19.1	19.1	19.1	17.3	17.3
175°	19.1	19.1	17.3	15.6	15.6
177.5°	20.8	19.1	17.3	15.6	13.9
180°	17.3	17.3	17.3	17.3	17.3



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	8.7	32.9	84.9	102.2	105.7
110°	10.4	27.7	71.0	86.6	90.1



(END OF REPORT)