

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: P830436

Luminaire Tested: **OHBL-36SE-NL-UNV-L935-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P830436  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36SE-NL-UNV-L935-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

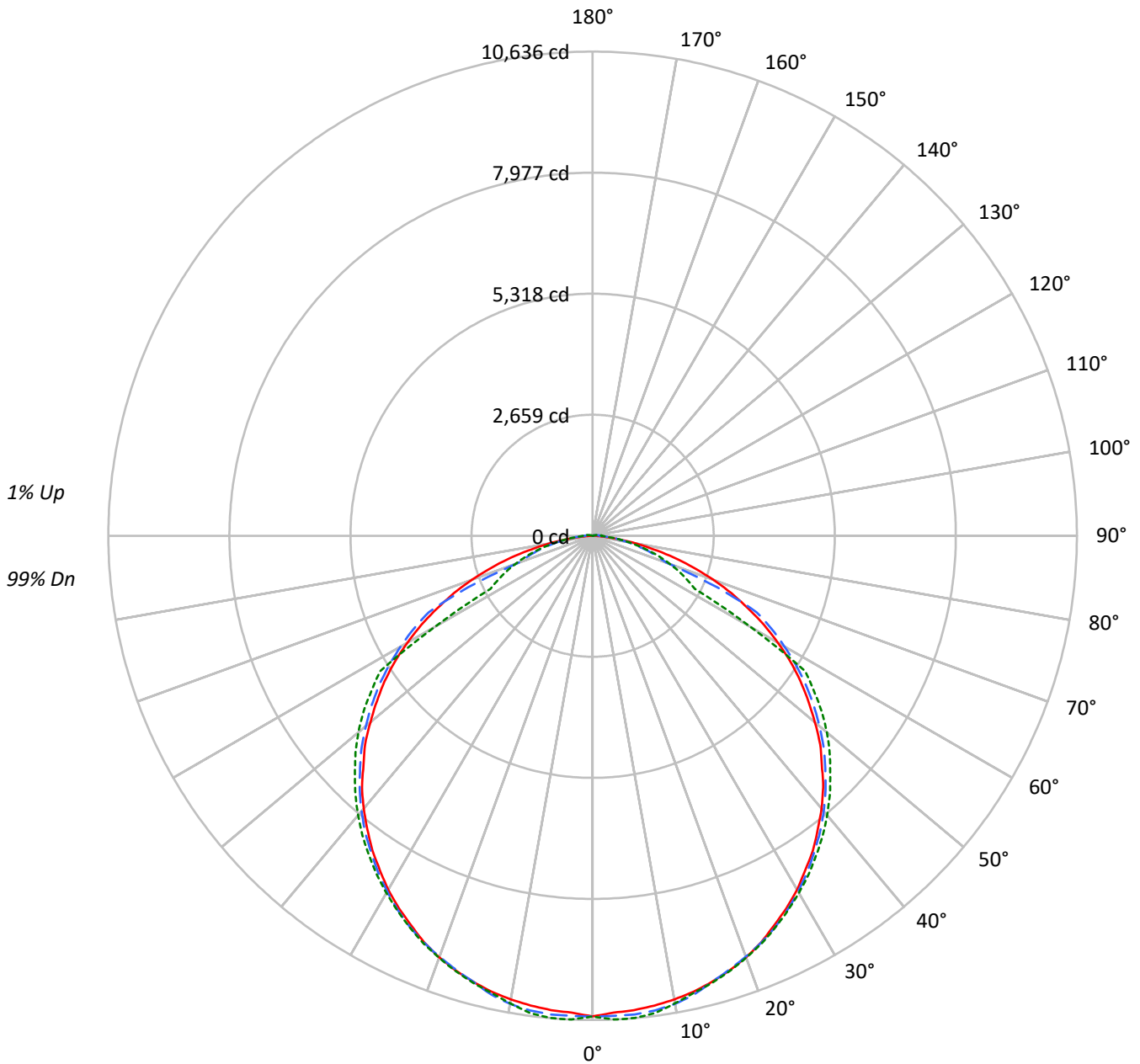
Lumens per Lamp: N/A  
Luminaire Lumens: 29643.0 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')  
CIE Type: Direct

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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

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

	0°	45°	90°
0°	16697	16697	16697
5°	16605	16755	16882
10°	16610	16768	16747
15°	16607	16604	16640
20°	16584	16559	16600
25°	16471	16555	16568
30°	16395	16479	16544
35°	16288	16378	16531
40°	16148	16301	16542
45°	15915	16155	16507
50°	15675	15994	16523
55°	15375	15773	16341
60°	14860	15387	12722
65°	14059	14877	8562
70°	13004	7898	8309
75°	11343	7505	7935
80°	8723	6884	7272
85°	4402	6959	7126



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1003.1	3.4
10°-20°	2872.0	9.7
20°-30°	4370.0	14.7
30°-40°	5313.3	17.9
40°-50°	5586.7	18.8
50°-60°	5101.4	17.2
60°-70°	3270.2	11.0
70°-80°	1544.8	5.2
80°-90°	428.4	1.4
90°-100°	113.4	0.4
100°-110°	31.1	0.1
110°-120°	8.6	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8245.1	27.8
0°-40°	13558.4	45.7
0°-60°	24246.5	81.8
0°-90°	29489.9	99.5
90°-120°	153.1	0.5
90°-150°	153.1	0.5
90°-180°	153.0	0.5
0°-180°	29643.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10558	10558	10558	10558	10558	
5°	10460	10501	10554	10612	10634	995
15°	10143	10219	10141	10156	10163	2864
25°	9439	9454	9487	9502	9495	4355
35°	8437	8387	8483	8587	8563	5272
45°	7116	7103	7223	7394	7381	5500
55°	5576	5534	5721	5912	5927	4973
65°	3757	3757	3976	2280	2288	3725
75°	1856	1892	1228	1293	1299	1957
85°	243	308	384	415	393	359
90°	0	104	170	202	198	11
95°	6	54	122	165	165	3
105°	9	20	30	30	28	9
115°	9	13	18	13	2	7
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10558.1	10558.1	10558.1	10558.1	10558.1
2.5°	10483.9	10519.2	10558.1	10608.1	10635.7
5°	10459.8	10500.6	10554.3	10611.8	10634.0
7.5°	10408.0	10465.3	10517.3	10558.1	10571.0
10°	10343.1	10411.8	10441.4	10437.6	10428.4
12.5°	10256.0	10328.4	10319.2	10276.4	10283.9
15°	10143.0	10218.9	10141.3	10156.0	10163.4
17.5°	10009.7	10083.8	9993.0	10022.6	10024.6
20°	9854.1	9909.6	9839.2	9863.3	9863.3
22.5°	9667.0	9705.8	9676.2	9692.9	9696.6
25°	9439.1	9453.8	9487.1	9502.1	9494.6
27.5°	9220.6	9202.0	9266.9	9302.0	9283.4
30°	8977.8	8948.1	9024.1	9081.5	9059.4
32.5°	8699.8	8681.4	8768.5	8836.9	8824.0
35°	8436.8	8386.8	8483.1	8586.9	8562.7
37.5°	8125.5	8095.9	8205.2	8314.6	8301.7
40°	7821.7	7771.7	7895.9	8025.5	8012.6
42.5°	7495.7	7436.3	7571.6	7727.4	7712.5
45°	7115.8	7102.9	7223.3	7393.7	7380.8
47.5°	6778.8	6713.9	6882.4	7047.3	7062.3
50°	6371.1	6347.1	6500.9	6701.0	6715.7
52.5°	5972.9	5956.2	6117.2	6319.3	6345.2
55°	5576.3	5533.7	5720.8	5911.7	5926.6
57.5°	5152.2	5107.7	5298.6	5506.1	5537.5
60°	4698.2	4655.6	4864.9	5057.7	4022.1
62.5°	4244.3	4214.7	4433.4	3140.2	2530.8
65°	3757.1	3757.1	3975.6	2280.5	2288.0
67.5°	3301.4	3271.8	2964.3	2048.9	2048.9
70°	2812.3	2823.4	1708.0	1795.3	1797.0
72.5°	2321.3	2362.1	1474.8	1545.0	1548.7
75°	1856.3	1891.6	1228.2	1293.2	1298.6
77.5°	1363.6	1048.6	987.4	1037.6	1039.4
80°	957.8	661.4	755.9	804.0	798.5
82.5°	559.4	463.1	553.9	589.2	587.2
85°	242.6	307.5	383.5	415.0	392.7
87.5°	77.7	190.8	238.9	257.5	255.6
90°	0.0	103.8	170.4	201.8	198.3
92.5°	0.0	81.4	148.3	185.4	187.1
95°	5.5	53.7	122.4	165.0	165.0
97.5°	3.7	38.8	87.1	129.6	133.4
100°	3.7	31.4	57.5	92.6	94.5
102.5°	9.2	25.9	35.1	59.2	61.2
105°	9.2	20.4	29.6	29.6	27.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.2	14.9	20.4	14.9	1.8
115°	9.2	12.9	18.4	12.9	1.8
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	9.2	18.4	25.9	16.7	5.5
110°	11.2	16.7	22.2	14.9	1.8



(END OF REPORT)