

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: P830363

Luminaire Tested: **OHBL-36HE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830363  
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-36HE-NL-UNV-L930-CD  
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

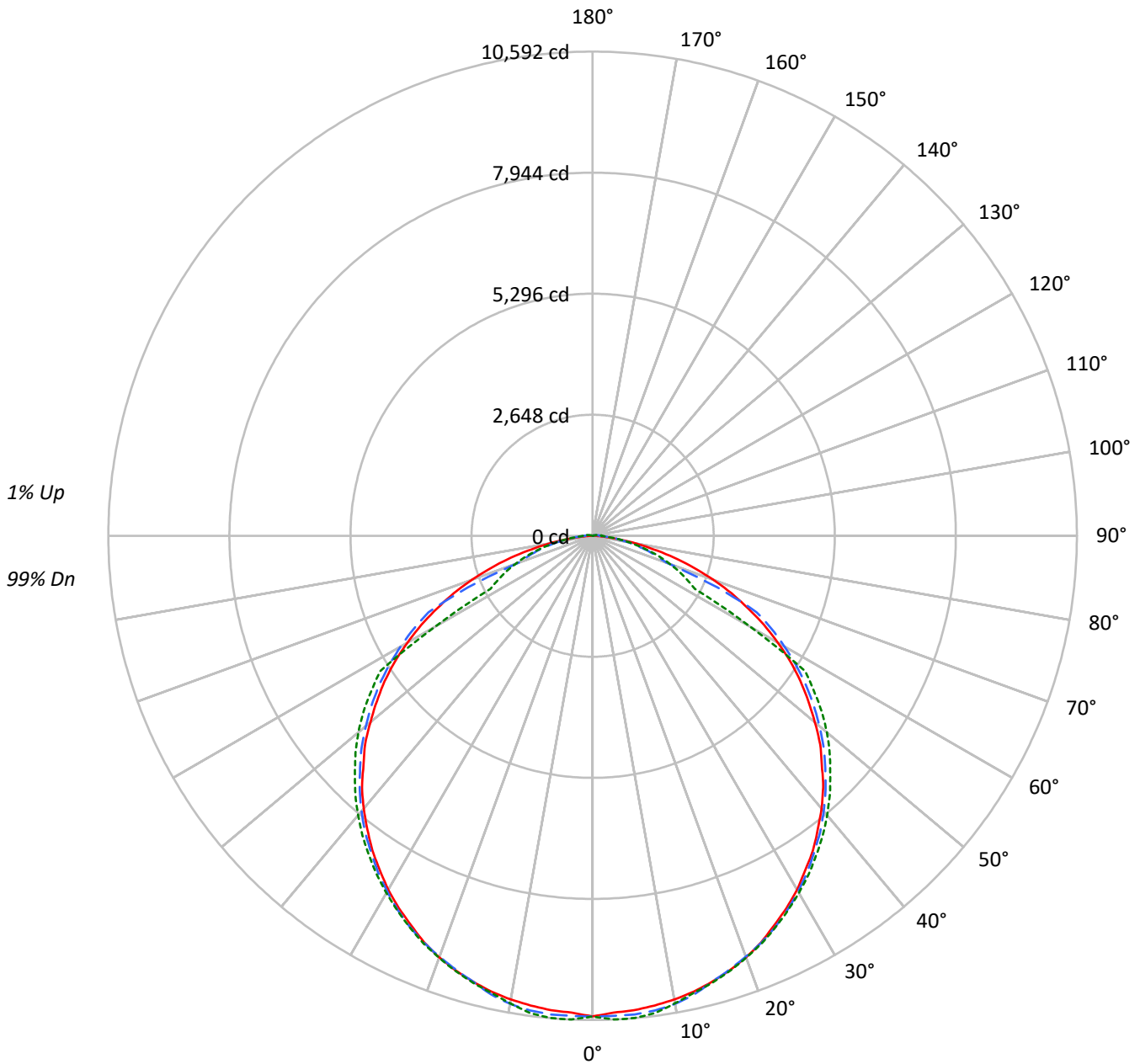
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29521.0 lumens  
Efficiency: N/A  
Efficacy: 139.3 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): 212  
Input Voltage (V): NR  
Input Current (Ain): 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				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

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

	0°	45°	90°
0°	16629	16629	16629
5°	16537	16686	16812
10°	16541	16698	16678
15°	16538	16536	16572
20°	16516	16491	16531
25°	16403	16487	16500
30°	16327	16411	16476
35°	16221	16310	16463
40°	16081	16234	16474
45°	15849	16089	16439
50°	15610	15928	16455
55°	15312	15709	16274
60°	14799	15324	12669
65°	14001	14816	8527
70°	12950	7865	8275
75°	11296	7474	7903
80°	8687	6856	7242
85°	4384	6930	7097



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	998.9	3.4
10°-20°	2860.2	9.7
20°-30°	4352.0	14.7
30°-40°	5291.5	17.9
40°-50°	5563.7	18.8
50°-60°	5080.4	17.2
60°-70°	3256.8	11.0
70°-80°	1538.4	5.2
80°-90°	426.6	1.4
90°-100°	113.0	0.4
100°-110°	30.9	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°	8211.2	27.8
0°-40°	13502.6	45.7
0°-60°	24146.7	81.8
0°-90°	29368.5	99.5
90°-120°	152.5	0.5
90°-150°	152.5	0.5
90°-180°	152.0	0.5
0°-180°	29521.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10515	10515	10515	10515	10515	
5°	10417	10457	10511	10568	10590	991
15°	10101	10177	10100	10114	10122	2852
25°	9400	9415	9448	9463	9456	4338
35°	8402	8352	8448	8552	8528	5251
45°	7086	7074	7194	7363	7350	5477
55°	5553	5511	5697	5887	5902	4953
65°	3742	3742	3959	2271	2279	3709
75°	1849	1884	1223	1288	1293	1949
85°	242	306	382	413	391	357
90°	0	103	170	201	198	11
95°	6	54	122	164	164	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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CATALOG NUMBER: OHBL-36HE-NL-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10514.6	10514.6	10514.6	10514.6	10514.6
2.5°	10440.8	10475.9	10514.6	10564.4	10592.0
5°	10416.8	10457.4	10510.9	10568.1	10590.2
7.5°	10365.2	10422.2	10474.0	10514.6	10527.5
10°	10300.5	10368.9	10398.4	10394.7	10385.5
12.5°	10213.8	10285.9	10276.7	10234.1	10241.5
15°	10101.3	10176.9	10099.5	10114.2	10121.6
17.5°	9968.5	10042.3	9951.9	9981.4	9983.3
20°	9813.6	9868.8	9798.7	9822.7	9822.7
22.5°	9627.2	9665.9	9636.4	9653.0	9656.7
25°	9400.2	9414.9	9448.1	9462.9	9455.5
27.5°	9182.6	9164.1	9228.7	9263.7	9245.1
30°	8940.8	8911.3	8986.9	9044.1	9022.1
32.5°	8664.0	8645.7	8732.4	8800.6	8787.7
35°	8402.1	8352.3	8448.2	8551.5	8527.5
37.5°	8092.1	8062.6	8171.4	8280.4	8267.5
40°	7789.5	7739.7	7863.4	7992.5	7979.6
42.5°	7464.9	7405.7	7540.5	7695.6	7680.7
45°	7086.5	7073.6	7193.6	7363.3	7350.4
47.5°	6750.9	6686.3	6854.1	7018.3	7033.2
50°	6344.8	6321.0	6474.1	6673.4	6688.0
52.5°	5948.3	5931.7	6092.1	6293.3	6319.0
55°	5553.3	5511.0	5697.3	5887.4	5902.2
57.5°	5131.0	5086.7	5276.7	5483.4	5514.7
60°	4678.8	4636.4	4844.9	5036.9	4005.5
62.5°	4226.8	4197.3	4415.1	3127.3	2520.4
65°	3741.6	3741.6	3959.2	2271.1	2278.6
67.5°	3287.9	3258.4	2952.1	2040.5	2040.5
70°	2800.7	2811.8	1701.0	1787.9	1789.6
72.5°	2311.8	2352.4	1468.7	1538.6	1542.4
75°	1848.6	1883.8	1223.2	1287.8	1293.3
77.5°	1358.0	1044.3	983.3	1033.3	1035.1
80°	953.8	658.7	752.8	800.7	795.2
82.5°	557.1	461.2	551.6	586.8	584.8
85°	241.6	306.3	381.9	413.3	391.1
87.5°	77.4	190.1	237.9	256.5	254.5
90°	0.0	103.3	169.7	201.0	197.5
92.5°	0.0	81.1	147.7	184.6	186.3
95°	5.5	53.5	121.9	164.3	164.3
97.5°	3.7	38.7	86.7	129.1	132.8
100°	3.7	31.3	57.2	92.2	94.2
102.5°	9.2	25.8	35.0	59.0	60.9
105°	9.2	20.3	29.5	29.5	27.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.1	14.8	20.3	14.8	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	25.8	16.6	5.5
110°	11.1	16.6	22.1	14.8	1.8



(END OF REPORT)