

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: P830173

Luminaire Tested: **OHBL-30HE-A-UNV-L940-CD**

Issue Date: 5/3/2024



**Test Information**

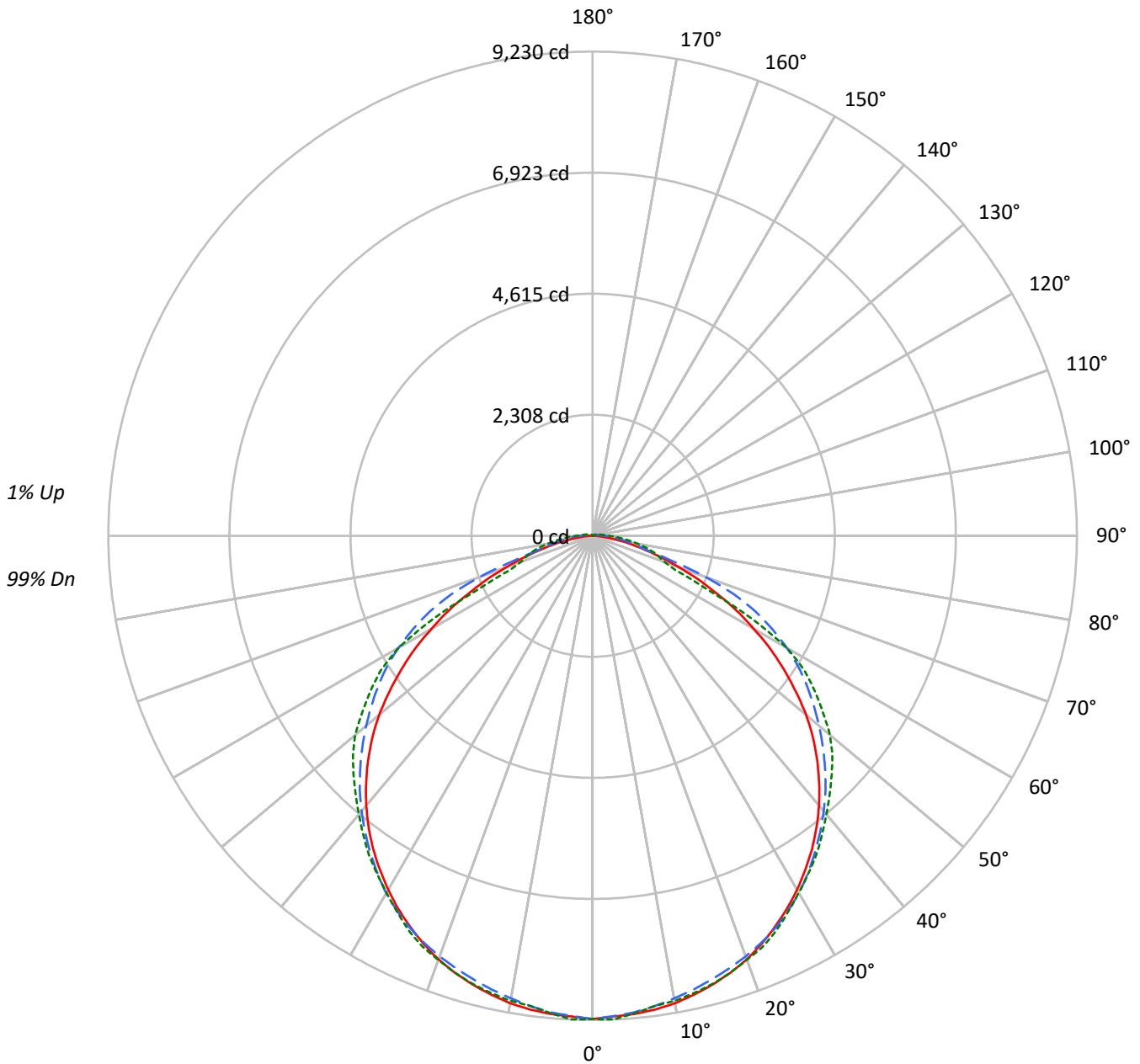
Test Method: LM-79-08  
Report Number: P830173  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30HE-A-UNV-L940-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26034.0 lumens  
Efficiency: N/A  
Efficacy: 158.9 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): 163.8  
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				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	110	110	110	106	106	106	101	101	101	99				99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83				83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70				70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59				59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51				51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44				44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38				38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34				34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30				30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24				24

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

	0°	45°	90°
0°	14567	14567	14567
5°	14471	14355	14385
10°	14418	14138	14226
15°	14327	13975	14130
20°	14235	13873	14005
25°	14064	13769	13881
30°	13877	13607	13619
35°	13654	13349	13474
40°	13363	13082	13277
45°	12961	12774	13189
50°	12415	12423	13085
55°	11549	12078	12596
60°	10414	11572	11646
65°	8933	10634	7380
70°	7196	8301	5351
75°	5395	4928	5431
80°	3755	4097	5185
85°	2137	3754	4860



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	868.5	3.3
10°-20°	2490.4	9.6
20°-30°	3803.7	14.6
30°-40°	4615.2	17.7
40°-50°	4837.1	18.6
50°-60°	4383.2	16.8
60°-70°	2938.8	11.3
70°-80°	1319.6	5.1
80°-90°	478.9	1.8
90°-100°	144.1	0.6
100°-110°	68.0	0.3
110°-120°	34.1	0.1
120°-130°	18.8	0.1
130°-140°	12.9	0.0
140°-150°	8.7	0.0
150°-160°	6.4	0.0
160°-170°	4.1	0.0
170°-180°	1.3	0.0
0°-30°	7162.6	27.5
0°-40°	11777.8	45.2
0°-60°	20998.1	80.7
0°-90°	25735.4	98.9
90°-120°	246.2	0.9
90°-150°	286.7	1.1
90°-180°	299.0	1.1
0°-180°	26034.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9211	9211	9211	9211	9211	
5°	9151	9183	9119	9147	9135	870
15°	8854	8819	8757	8834	8845	2500
25°	8225	8189	8247	8322	8299	3791
35°	7290	7308	7382	7461	7432	4557
45°	6050	6149	6264	6423	6443	4661
55°	4452	4667	4985	5185	5173	3974
65°	2613	3022	3431	2895	2364	2604
75°	1028	1492	1097	1123	1196	1124
85°	177	340	436	526	551	216
90°	1	113	225	282	296	11
95°	1	71	154	188	193	2
105°	5	31	76	92	96	6
115°	11	16	39	49	52	10
125°	9	11	24	28	29	9
135°	12	13	15	21	23	10
145°	12	13	13	15	16	8
155°	13	15	15	15	13	6
165°	15	15	15	15	15	4
175°	15	15	13	12	12	1
180°	13	13	13	13	13	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9210.9	9210.9	9210.9	9210.9	9210.9
2.5°	9173.6	9212.2	9164.2	9216.2	9229.5
5°	9150.9	9182.9	9119.0	9146.9	9134.9
7.5°	9109.6	9120.3	9044.4	9067.0	9043.0
10°	9048.4	9043.0	8953.8	8997.8	9003.1
12.5°	8957.8	8941.8	8861.9	8928.5	8929.8
15°	8853.9	8819.3	8756.7	8833.9	8844.6
17.5°	8734.1	8688.8	8647.5	8747.4	8731.4
20°	8594.2	8540.9	8533.0	8642.2	8602.2
22.5°	8421.1	8379.8	8398.4	8502.3	8477.0
25°	8225.3	8189.3	8246.6	8322.5	8298.6
27.5°	8018.9	7997.6	8062.8	8121.4	8074.8
30°	7792.5	7780.5	7867.0	7915.0	7856.4
32.5°	7546.1	7550.1	7632.6	7697.9	7643.3
35°	7290.4	7307.7	7382.3	7460.8	7431.5
37.5°	7009.4	7048.0	7122.6	7211.8	7181.2
40°	6712.4	6768.3	6850.9	6958.7	6930.8
42.5°	6391.4	6462.0	6568.5	6688.4	6685.7
45°	6050.4	6149.0	6263.5	6423.4	6443.3
47.5°	5696.2	5806.7	5951.9	6165.0	6195.6
50°	5311.3	5449.8	5630.9	5886.6	5905.3
52.5°	4882.4	5071.6	5311.3	5556.3	5533.7
55°	4452.3	4666.7	4985.0	5184.8	5172.8
57.5°	4023.4	4264.5	4650.7	4793.2	4791.9
60°	3544.0	3849.0	4271.1	4379.0	4272.5
62.5°	3100.5	3428.1	3866.3	3787.7	3422.8
65°	2613.0	3021.9	3430.8	2895.4	2364.0
67.5°	2180.2	2606.4	2914.0	1983.1	1698.1
70°	1744.7	2214.8	2272.1	1471.7	1451.7
72.5°	1358.5	1859.2	1567.5	1259.9	1323.8
75°	1028.2	1491.6	1097.4	1122.7	1196.0
77.5°	749.8	1145.4	853.7	984.2	1044.1
80°	515.4	811.1	696.5	827.1	868.3
82.5°	323.6	535.4	558.0	665.9	708.5
85°	177.1	339.6	435.5	526.1	551.4
87.5°	73.2	205.1	333.0	406.2	427.5
90°	1.3	113.2	225.1	282.3	295.7
92.5°	1.3	86.6	183.8	227.7	237.1
95°	1.3	70.6	154.5	187.8	193.1
97.5°	2.7	55.9	129.2	155.8	161.1
100°	4.0	46.6	107.9	130.5	134.5
102.5°	5.3	37.3	90.6	109.2	113.2
105°	5.3	30.6	75.9	91.9	95.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	9.3	18.6	45.3	57.3	59.9
115°	10.7	16.0	38.6	49.3	51.9
117.5°	10.7	13.3	33.3	41.3	43.9
120°	10.7	12.0	29.3	36.0	37.3
122.5°	10.7	10.7	25.3	32.0	33.3
125°	9.3	10.7	24.0	28.0	29.3
127.5°	10.7	10.7	21.3	25.3	26.6
130°	10.7	12.0	18.6	24.0	24.0
132.5°	12.0	13.3	17.3	22.6	22.6
135°	12.0	13.3	14.6	21.3	22.6
137.5°	13.3	13.3	13.3	20.0	21.3
140°	13.3	13.3	12.0	17.3	18.6
142.5°	12.0	13.3	12.0	16.0	17.3
145°	12.0	13.3	13.3	14.6	16.0
147.5°	13.3	13.3	13.3	13.3	14.6
150°	13.3	13.3	13.3	13.3	13.3
152.5°	13.3	13.3	13.3	13.3	13.3
155°	13.3	14.6	14.6	14.6	13.3
157.5°	13.3	14.6	14.6	14.6	14.6
160°	13.3	14.6	14.6	14.6	14.6
162.5°	14.6	14.6	14.6	14.6	14.6
165°	14.6	14.6	14.6	14.6	14.6
167.5°	14.6	16.0	14.6	14.6	14.6
170°	14.6	14.6	14.6	13.3	13.3
172.5°	14.6	14.6	14.6	13.3	13.3
175°	14.6	14.6	13.3	12.0	12.0
177.5°	16.0	14.6	13.3	12.0	10.7
180°	13.3	13.3	13.3	13.3	13.3



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	6.7	25.3	65.3	78.6	81.2
110°	8.0	21.3	54.6	66.6	69.3



(END OF REPORT)