

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: P830327

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830327  
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-36HE-MCL-UNV-L930-CD  
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

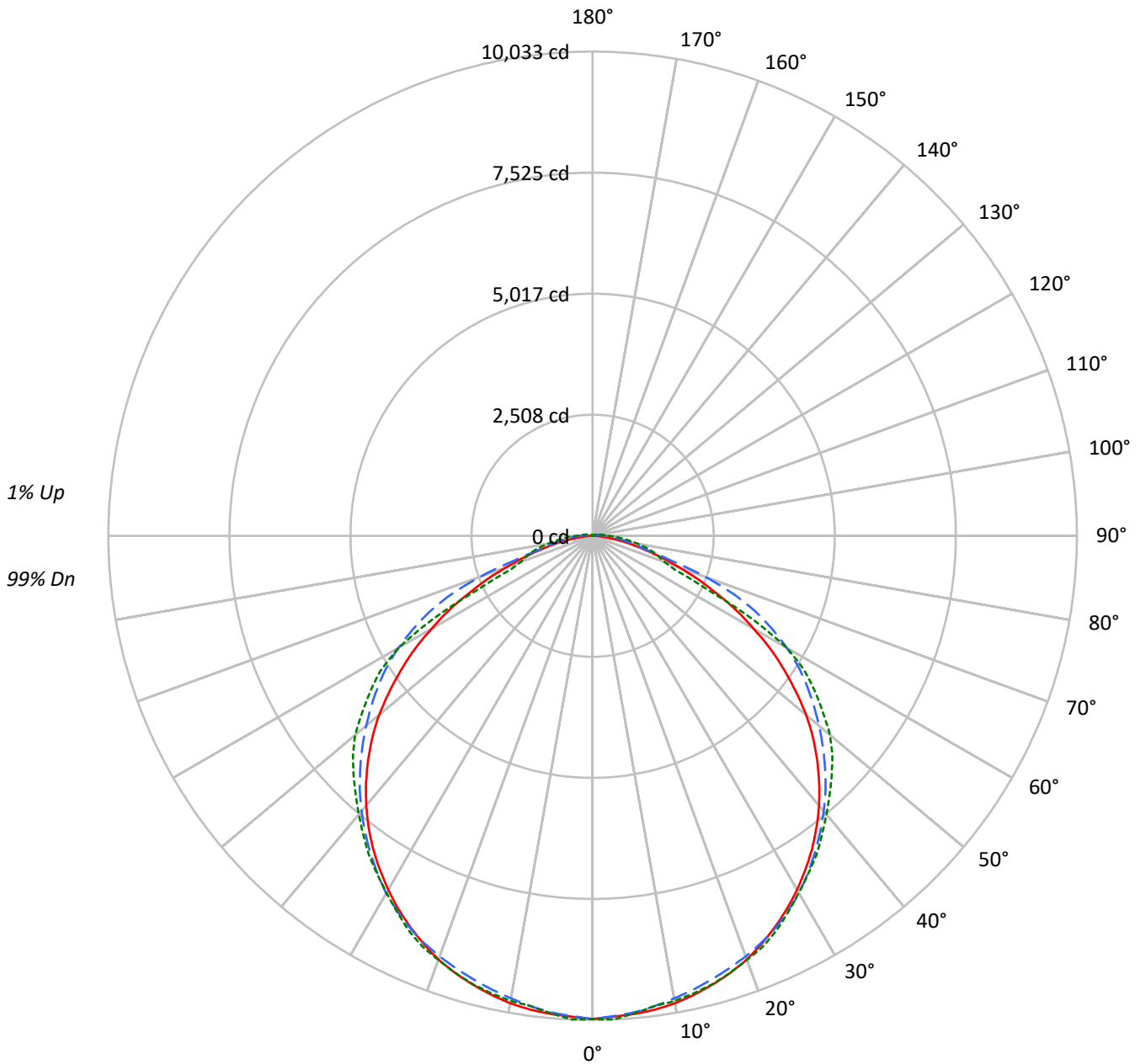
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28301.0 lumens  
Efficiency: N/A  
Efficacy: 133.5 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): 212  
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

TEST NUMBER: P830327

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L930-CD

### 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°	15835	15835	15835
5°	15732	15605	15638
10°	15674	15369	15464
15°	15575	15192	15361
20°	15475	15081	15225
25°	15288	14968	15090
30°	15085	14792	14804
35°	14842	14511	14647
40°	14527	14221	14433
45°	14089	13886	14338
50°	13496	13505	14224
55°	12554	13129	13693
60°	11321	12580	12660
65°	9712	11560	8023
70°	7822	9024	5817
75°	5865	5357	5904
80°	4082	4454	5637
85°	2324	4081	5283



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	944.1	3.3
10°-20°	2707.3	9.6
20°-30°	4134.9	14.6
30°-40°	5017.1	17.7
40°-50°	5258.4	18.6
50°-60°	4764.9	16.8
60°-70°	3194.6	11.3
70°-80°	1434.5	5.1
80°-90°	520.6	1.8
90°-100°	156.7	0.6
100°-110°	73.9	0.3
110°-120°	37.1	0.1
120°-130°	20.5	0.1
130°-140°	14.1	0.0
140°-150°	9.5	0.0
150°-160°	7.0	0.0
160°-170°	4.5	0.0
170°-180°	1.4	0.0
0°-30°	7786.3	27.5
0°-40°	12803.4	45.2
0°-60°	22826.6	80.7
0°-90°	27976.4	98.9
90°-120°	267.7	0.9
90°-150°	311.6	1.1
90°-180°	325.0	1.1
0°-180°	28301.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10013	10013	10013	10013	10013	
5°	9948	9982	9913	9943	9930	946
15°	9625	9587	9519	9603	9615	2718
25°	8942	8902	8965	9047	9021	4122
35°	7925	7944	8025	8110	8079	4953
45°	6577	6684	6809	6983	7004	5067
55°	4840	5073	5419	5636	5623	4320
65°	2841	3285	3730	3148	2570	2830
75°	1118	1622	1193	1220	1300	1221
85°	193	369	473	572	599	235
90°	1	123	245	307	321	11
95°	1	77	168	204	210	2
105°	6	33	82	100	104	7
115°	12	17	42	54	56	11
125°	10	12	26	30	32	10
135°	13	14	16	23	25	10
145°	13	14	14	16	17	9
155°	14	16	16	16	14	7
165°	16	16	16	16	16	4
175°	16	16	14	13	13	2
180°	14	14	14	14	14	



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CATALOG NUMBER: OHBL-36HE-MCL-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10012.9	10012.9	10012.9	10012.9	10012.9
2.5°	9972.4	10014.4	9962.2	10018.7	10033.2
5°	9947.8	9982.5	9913.0	9943.4	9930.4
7.5°	9902.9	9914.5	9831.9	9856.6	9830.5
10°	9836.3	9830.5	9733.5	9781.3	9787.1
12.5°	9737.8	9720.5	9633.6	9706.0	9707.4
15°	9624.9	9587.3	9519.2	9603.2	9614.8
17.5°	9494.6	9445.4	9400.5	9509.1	9491.7
20°	9342.6	9284.7	9276.0	9394.7	9351.3
22.5°	9154.4	9109.5	9129.8	9242.7	9215.2
25°	8941.6	8902.5	8964.7	9047.2	9021.2
27.5°	8717.1	8694.0	8764.9	8828.6	8778.0
30°	8471.0	8458.0	8552.1	8604.2	8540.5
32.5°	8203.2	8207.5	8297.3	8368.2	8308.9
35°	7925.2	7944.0	8025.1	8110.5	8078.7
37.5°	7619.7	7661.7	7742.8	7839.8	7806.5
40°	7296.9	7357.7	7447.4	7564.7	7534.3
42.5°	6947.9	7024.7	7140.5	7270.8	7267.9
45°	6577.3	6684.4	6809.0	6982.7	7004.4
47.5°	6192.2	6312.4	6470.2	6701.8	6735.1
50°	5773.8	5924.4	6121.3	6399.2	6419.5
52.5°	5307.6	5513.2	5773.8	6040.2	6015.6
55°	4840.0	5073.1	5419.1	5636.2	5623.2
57.5°	4373.8	4635.8	5055.7	5210.6	5209.1
60°	3852.6	4184.1	4643.1	4760.3	4644.5
62.5°	3370.5	3726.6	4202.9	4117.5	3720.8
65°	2840.6	3285.0	3729.5	3147.5	2569.8
67.5°	2370.0	2833.3	3167.8	2155.8	1845.9
70°	1896.6	2407.7	2469.9	1599.8	1578.1
72.5°	1476.7	2021.1	1704.0	1369.6	1439.1
75°	1117.7	1621.5	1193.0	1220.5	1300.1
77.5°	815.1	1245.1	928.0	1069.9	1135.1
80°	560.3	881.7	757.2	899.1	944.0
82.5°	351.8	582.0	606.6	723.9	770.2
85°	192.6	369.2	473.4	571.9	599.4
87.5°	79.6	223.0	361.9	441.6	464.7
90°	1.4	123.1	244.7	306.9	321.4
92.5°	1.4	94.1	199.8	247.6	257.7
95°	1.4	76.7	167.9	204.1	209.9
97.5°	2.9	60.8	140.4	169.4	175.2
100°	4.3	50.7	117.3	141.9	146.2
102.5°	5.8	40.5	98.4	118.7	123.1
105°	5.8	33.3	82.5	99.9	104.2



TEST NUMBER: P830327

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.1	20.3	49.2	62.3	65.2
115°	11.6	17.4	42.0	53.6	56.5
117.5°	11.6	14.5	36.2	44.9	47.8
120°	11.6	13.0	31.9	39.1	40.5
122.5°	11.6	11.6	27.5	34.7	36.2
125°	10.1	11.6	26.1	30.4	31.9
127.5°	11.6	11.6	23.2	27.5	29.0
130°	11.6	13.0	20.3	26.1	26.1
132.5°	13.0	14.5	18.8	24.6	24.6
135°	13.0	14.5	15.9	23.2	24.6
137.5°	14.5	14.5	14.5	21.7	23.2
140°	14.5	14.5	13.0	18.8	20.3
142.5°	13.0	14.5	13.0	17.4	18.8
145°	13.0	14.5	14.5	15.9	17.4
147.5°	14.5	14.5	14.5	14.5	15.9
150°	14.5	14.5	14.5	14.5	14.5
152.5°	14.5	14.5	14.5	14.5	14.5
155°	14.5	15.9	15.9	15.9	14.5
157.5°	14.5	15.9	15.9	15.9	15.9
160°	14.5	15.9	15.9	15.9	15.9
162.5°	15.9	15.9	15.9	15.9	15.9
165°	15.9	15.9	15.9	15.9	15.9
167.5°	15.9	17.4	15.9	15.9	15.9
170°	15.9	15.9	15.9	14.5	14.5
172.5°	15.9	15.9	15.9	14.5	14.5
175°	15.9	15.9	14.5	13.0	13.0
177.5°	17.4	15.9	14.5	13.0	11.6
180°	14.5	14.5	14.5	14.5	14.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	7.2	27.5	70.9	85.4	88.3
110°	8.7	23.2	59.4	72.4	75.3



(END OF REPORT)