

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: P830369

Luminaire Tested: **OHBL-36HE-W-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

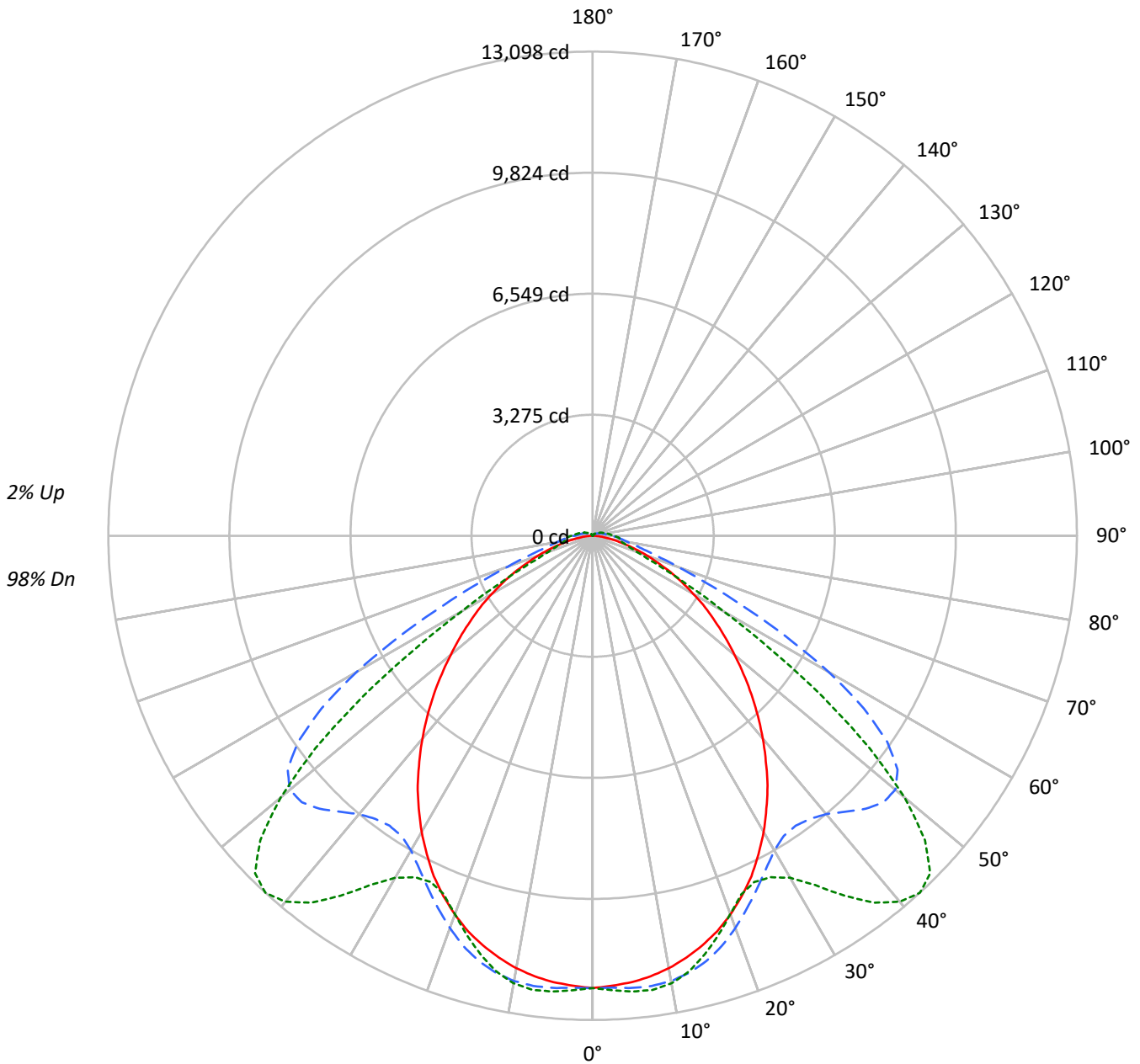
Test Method: LM-79-08  
Report Number: P830369  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36HE-W-UNV-L740-CD  
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36634.0 lumens  
Efficiency: N/A  
Efficacy: 172.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
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: P830369  
CATALOG NUMBER: OHBL-36HE-W-UNV-L740-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	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

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

	0°	45°	90°
0°	19350	19350	19350
5°	19169	19331	19488
10°	18929	19310	19428
15°	18560	19000	18725
20°	18054	18355	17728
25°	17377	17573	17291
30°	16476	16993	18514
35°	15449	17317	21546
40°	14257	18767	24758
45°	13011	21303	26428
50°	11711	23575	24396
55°	10490	23567	18462
60°	9246	19961	11153
65°	7933	13803	6651
70°	6445	8940	4700
75°	4903	6425	4219
80°	3520	5668	4508
85°	2389	6281	6352



TEST NUMBER: P830369

CATALOG NUMBER: OHBL-36HE-W-UNV-L740-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1169.2	3.2
10°-20°	3310.8	9.0
20°-30°	4844.8	13.2
30°-40°	6292.0	17.2
40°-50°	7683.3	21.0
50°-60°	6766.4	18.5
60°-70°	3526.0	9.6
70°-80°	1512.1	4.1
80°-90°	726.2	2.0
90°-100°	341.2	0.9
100°-110°	212.0	0.6
110°-120°	125.4	0.3
120°-130°	68.1	0.2
130°-140°	34.2	0.1
140°-150°	16.4	0.0
150°-160°	5.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9324.9	25.5
0°-40°	15616.9	42.6
0°-60°	30066.6	82.1
0°-90°	35830.8	97.8
90°-120°	678.6	1.9
90°-150°	797.4	2.2
90°-180°	803.0	2.2
0°-180°	36634.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12235	12235	12235	12235	12235	
5°	12122	12214	12280	12388	12375	###
15°	11470	11792	11905	11815	11720	3229
25°	10163	10707	10525	10327	10337	4664
35°	8249	9120	9577	11169	11884	5142
45°	6074	7642	10445	12647	12911	4683
55°	4044	6694	9727	8529	7581	3629
65°	2320	4638	4453	2476	2130	2296
75°	934	2170	1431	979	929	1019
85°	198	773	729	713	721	221
90°	3	280	480	549	562	14
95°	5	164	383	449	462	4
105°	11	92	248	298	304	11
115°	16	53	153	187	193	16
125°	18	26	90	116	119	16
135°	16	16	42	71	74	12
145°	21	16	18	34	40	12
155°	21	21	16	16	16	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830369

CATALOG NUMBER: OHBL-36HE-W-UNV-L740-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12235.1	12235.1	12235.1	12235.1	12235.1
2.5°	12182.3	12235.1	12237.7	12311.6	12303.7
5°	12121.6	12214.0	12280.0	12388.2	12375.0
7.5°	12021.3	12166.5	12282.6	12401.4	12390.8
10°	11878.7	12076.7	12229.8	12327.5	12295.8
12.5°	11693.9	11955.3	12105.7	12126.9	12066.1
15°	11469.6	11791.6	11905.1	11815.4	11720.3
17.5°	11216.2	11593.6	11633.2	11437.9	11319.1
20°	10899.4	11329.7	11290.1	11020.8	10888.8
22.5°	10548.3	11039.3	10912.6	10630.1	10503.4
25°	10162.9	10706.7	10524.6	10326.6	10337.1
27.5°	9711.5	10329.2	10152.4	10242.1	10411.0
30°	9252.2	9933.3	9825.0	10347.7	10680.3
32.5°	8748.0	9526.7	9624.4	10656.5	11200.3
35°	8249.1	9120.2	9576.9	11168.6	11884.0
37.5°	7697.4	8708.4	9653.4	11759.9	12509.6
40°	7161.6	8307.2	9827.7	12290.5	12924.1
42.5°	6615.1	7948.2	10120.7	12604.6	13098.3
45°	6074.0	7642.0	10445.4	12646.9	12910.9
47.5°	5532.8	7383.3	10669.7	12311.6	12190.2
50°	5010.2	7153.6	10685.6	11506.5	11010.3
52.5°	4521.8	6942.5	10395.2	10223.6	9452.8
55°	4044.0	6694.3	9727.4	8528.9	7581.3
57.5°	3608.5	6351.2	8697.9	6707.5	5672.8
60°	3146.5	5886.6	7367.4	4907.2	4091.6
62.5°	2721.5	5308.5	5876.0	3415.8	2940.6
65°	2320.3	4638.0	4453.2	2476.1	2130.3
67.5°	1895.3	3943.7	3286.4	1805.6	1583.8
70°	1562.7	3299.6	2447.0	1404.3	1275.0
72.5°	1222.2	2687.2	1829.3	1140.4	1069.1
75°	934.5	2169.8	1430.7	979.3	929.2
77.5°	689.0	1715.8	1150.9	865.8	818.3
80°	483.1	1351.5	963.5	773.4	755.0
82.5°	324.7	1045.3	821.0	736.5	739.1
85°	198.0	773.4	728.6	712.7	720.6
87.5°	95.0	549.1	625.6	649.4	657.3
90°	2.6	279.8	480.4	549.1	562.3
92.5°	0.0	213.8	422.4	491.0	504.2
95°	5.3	163.7	382.8	448.8	462.0
97.5°	5.3	134.6	343.2	411.8	419.7
100°	7.9	116.1	306.2	372.2	380.1
102.5°	7.9	102.9	274.5	332.6	337.9
105°	10.6	92.4	248.1	298.3	303.6



TEST NUMBER: P830369

CATALOG NUMBER: OHBL-36HE-W-UNV-L740-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	15.8	63.4	174.2	211.2	216.5
115°	15.8	52.8	153.1	187.4	192.7
117.5°	18.5	47.5	134.6	166.3	168.9
120°	18.5	39.6	116.1	147.8	150.5
122.5°	18.5	31.7	102.9	132.0	134.6
125°	18.5	26.4	89.8	116.1	118.8
127.5°	15.8	18.5	76.6	102.9	105.6
130°	15.8	15.8	63.4	89.8	95.0
132.5°	15.8	15.8	52.8	79.2	84.5
135°	15.8	15.8	42.2	71.3	73.9
137.5°	15.8	15.8	34.3	60.7	66.0
140°	15.8	15.8	26.4	52.8	55.4
142.5°	18.5	15.8	23.8	44.9	47.5
145°	21.1	15.8	18.5	34.3	39.6
147.5°	21.1	18.5	18.5	29.0	31.7
150°	21.1	21.1	15.8	21.1	26.4
152.5°	21.1	21.1	15.8	15.8	21.1
155°	21.1	21.1	15.8	15.8	15.8
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°	13.2	81.8	221.7	266.6	271.9
110°	13.2	71.3	195.3	237.6	242.9



(END OF REPORT)