

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: P830309

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830309
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-A-UNV-L740-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

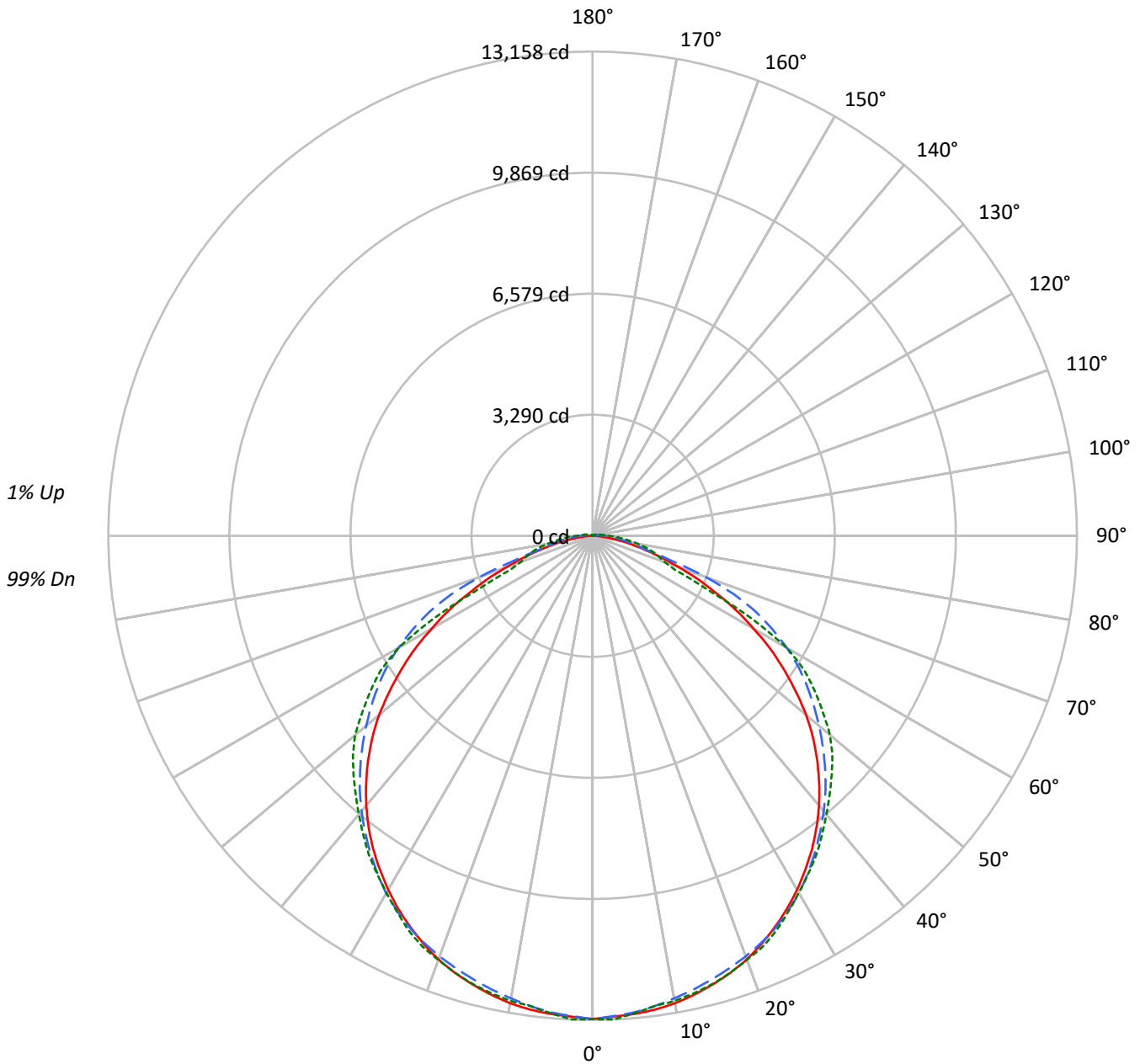
Lumens per Lamp: N/A
Luminaire Lumens: 37115.1 lumens
Efficiency: N/A
Efficacy: 175.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	20767	20767	20767
5°	20631	20465	20508
10°	20555	20155	20280
15°	20425	19923	20145
20°	20294	19777	19966
25°	20050	19630	19790
30°	19783	19398	19415
35°	19465	19031	19209
40°	19051	18651	18928
45°	18477	18211	18803
50°	17700	17710	18654
55°	16464	17218	17958
60°	14847	16498	16602
65°	12736	15160	10522
70°	10259	11835	7629
75°	7691	7025	7742
80°	5354	5841	7392
85°	3047	5353	6929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1238.2	3.3
10°-20°	3550.5	9.6
20°-30°	5422.7	14.6
30°-40°	6579.6	17.7
40°-50°	6896.0	18.6
50°-60°	6248.8	16.8
60°-70°	4189.6	11.3
70°-80°	1881.3	5.1
80°-90°	682.7	1.8
90°-100°	205.5	0.6
100°-110°	97.0	0.3
110°-120°	48.6	0.1
120°-130°	26.8	0.1
130°-140°	18.4	0.0
140°-150°	12.4	0.0
150°-160°	9.2	0.0
160°-170°	5.9	0.0
170°-180°	1.9	0.0
0°-30°	10211.3	27.5
0°-40°	16790.9	45.2
0°-60°	29935.7	80.7
0°-90°	36689.3	98.9
90°-120°	351.1	0.9
90°-150°	408.7	1.1
90°-180°	426.0	1.1
0°-180°	37115.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13131	13131	13131	13131	13131	
5°	13046	13091	13000	13040	13023	###
15°	12622	12573	12484	12594	12609	3564
25°	11726	11675	11757	11865	11831	5405
35°	10393	10418	10524	10636	10595	6496
45°	8626	8766	8930	9157	9186	6645
55°	6347	6653	7107	7392	7374	5666
65°	3725	4308	4891	4128	3370	3712
75°	1466	2126	1564	1601	1705	1602
85°	252	484	621	750	786	308
90°	2	161	321	402	422	15
95°	2	101	220	268	275	3
105°	8	44	108	131	137	9
115°	15	23	55	70	74	14
125°	13	15	34	40	42	13
135°	17	19	21	30	32	14
145°	17	19	19	21	23	11
155°	19	21	21	21	19	9
165°	21	21	21	21	21	6
175°	21	21	19	17	17	2
180°	19	19	19	19	19	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13131.3	13131.3	13131.3	13131.3	<i>13131.3</i>
2.5°	<i>13078.2</i>	<i>13133.2</i>	<i>13064.9</i>	<i>13138.9</i>	<i>13157.9</i>
5°	13045.9	13091.4	13000.3	13040.2	<i>13023.1</i>
7.5°	12987.0	13002.2	12894.0	12926.3	<i>12892.1</i>
10°	12899.7	12892.1	12764.9	12827.5	<i>12835.1</i>
12.5°	12770.6	12747.8	12633.9	12728.8	<i>12730.7</i>
15°	12622.5	12573.1	12483.9	12594.0	<i>12609.2</i>
17.5°	12451.6	12387.0	12328.2	12470.6	<i>12447.8</i>
20°	12252.2	12176.3	12164.9	12320.6	<i>12263.6</i>
22.5°	12005.4	11946.5	11973.1	12121.2	<i>12085.1</i>
25°	11726.3	11675.0	11756.7	11864.9	<i>11830.7</i>
27.5°	11432.0	11401.6	11494.7	11578.2	<i>11511.7</i>
30°	11109.2	11092.1	11215.5	11283.9	<i>11200.4</i>
32.5°	10758.0	10763.7	10881.4	10974.4	<i>10896.6</i>
35°	10393.4	10418.1	10524.4	10636.4	<i>10594.7</i>
37.5°	9992.8	10047.9	10154.2	10281.4	<i>10237.7</i>
40°	9569.4	9649.1	9766.8	9920.6	<i>9880.8</i>
42.5°	9111.8	9212.4	9364.3	9535.2	<i>9531.4</i>
45°	8625.7	8766.2	8929.5	9157.4	<i>9185.8</i>
47.5°	8120.7	8278.3	8485.2	8789.0	<i>8832.7</i>
50°	7572.0	7769.4	8027.6	8392.2	<i>8418.8</i>
52.5°	6960.6	7230.2	7572.0	7921.3	<i>7889.0</i>
55°	6347.3	6653.0	7106.8	7391.6	<i>7374.5</i>
57.5°	5735.9	6079.6	6630.2	6833.4	<i>6831.5</i>
60°	5052.4	5487.2	6089.1	6242.9	<i>6091.0</i>
62.5°	4420.1	4887.2	5511.9	5399.9	<i>4879.6</i>
65°	3725.2	4308.1	4891.0	4127.7	<i>3370.2</i>
67.5°	3108.2	3715.7	4154.3	2827.1	<i>2420.8</i>
70°	2487.3	3157.5	3239.2	2098.0	<i>2069.6</i>
72.5°	1936.7	2650.6	2234.8	1796.2	<i>1887.3</i>
75°	1465.8	2126.5	1564.5	1600.6	<i>1705.0</i>
77.5°	1069.0	1632.9	1217.1	1403.1	<i>1488.6</i>
80°	734.8	1156.3	993.0	1179.1	<i>1237.9</i>
82.5°	461.4	763.3	795.5	949.3	<i>1010.1</i>
85°	252.5	484.2	620.9	750.0	<i>786.1</i>
87.5°	104.4	292.4	474.7	579.1	<i>609.5</i>
90°	1.9	161.4	320.9	402.5	<i>421.5</i>
92.5°	1.9	123.4	262.0	324.7	<i>338.0</i>
95°	1.9	100.6	220.2	267.7	<i>275.3</i>
97.5°	3.8	79.7	184.2	222.1	<i>229.7</i>
100°	5.7	66.5	153.8	186.1	<i>191.8</i>
102.5°	7.6	53.2	129.1	155.7	<i>161.4</i>
105°	7.6	43.7	108.2	131.0	<i>136.7</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.3	26.6	64.6	81.6	85.4
115°	15.2	22.8	55.1	70.3	74.0
117.5°	15.2	19.0	47.5	58.9	62.7
120°	15.2	17.1	41.8	51.3	53.2
122.5°	15.2	15.2	36.1	45.6	47.5
125°	13.3	15.2	34.2	39.9	41.8
127.5°	15.2	15.2	30.4	36.1	38.0
130°	15.2	17.1	26.6	34.2	34.2
132.5°	17.1	19.0	24.7	32.3	32.3
135°	17.1	19.0	20.9	30.4	32.3
137.5°	19.0	19.0	19.0	28.5	30.4
140°	19.0	19.0	17.1	24.7	26.6
142.5°	17.1	19.0	17.1	22.8	24.7
145°	17.1	19.0	19.0	20.9	22.8
147.5°	19.0	19.0	19.0	19.0	20.9
150°	19.0	19.0	19.0	19.0	19.0
152.5°	19.0	19.0	19.0	19.0	19.0
155°	19.0	20.9	20.9	20.9	19.0
157.5°	19.0	20.9	20.9	20.9	20.9
160°	19.0	20.9	20.9	20.9	20.9
162.5°	20.9	20.9	20.9	20.9	20.9
165°	20.9	20.9	20.9	20.9	20.9
167.5°	20.9	22.8	20.9	20.9	20.9
170°	20.9	20.9	20.9	19.0	19.0
172.5°	20.9	20.9	20.9	19.0	19.0
175°	20.9	20.9	19.0	17.1	17.1
177.5°	22.8	20.9	19.0	17.1	15.2
180°	19.0	19.0	19.0	19.0	19.0



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







107.5°	9.5	36.1	93.0	112.0	115.8
110°	11.4	30.4	77.8	94.9	98.7



(END OF REPORT)