

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: P830373

Luminaire Tested: **OHBL-36HE-W-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830373
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-L840-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

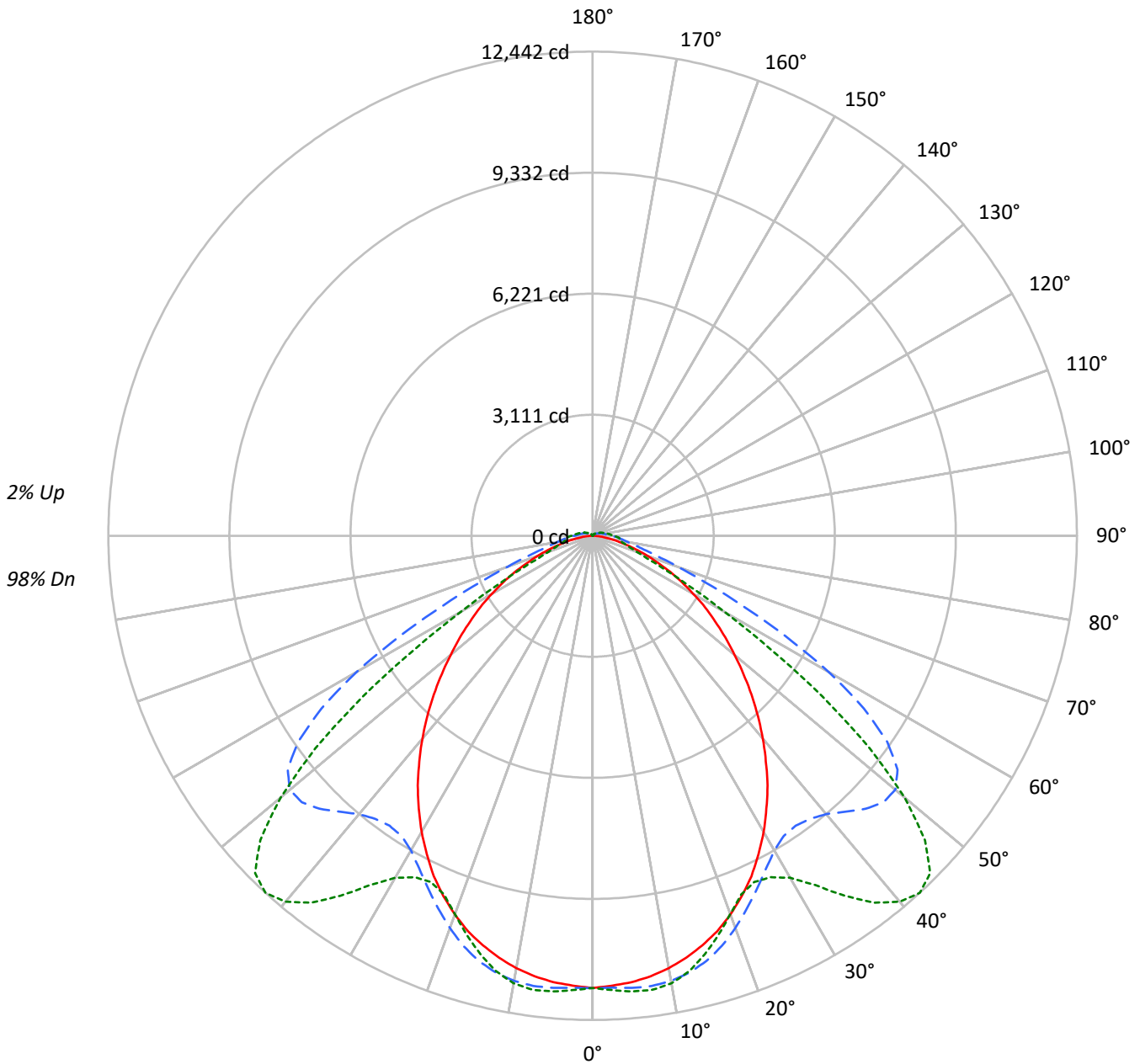
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34797.0 lumens
Efficiency: N/A
Efficacy: 164.1 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_{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				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	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°	18379	18379	18379
5°	18208	18362	18510
10°	17979	18342	18454
15°	17629	18047	17786
20°	17148	17435	16839
25°	16505	16692	16424
30°	15650	16141	17585
35°	14674	16449	20466
40°	13542	17826	23516
45°	12359	20234	25103
50°	11124	22392	23173
55°	9964	22385	17536
60°	8783	18960	10593
65°	7535	13111	6317
70°	6122	8492	4464
75°	4657	6103	4008
80°	3343	5384	4282
85°	2270	5966	6034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1110.6	3.2
10°-20°	3144.8	9.0
20°-30°	4601.9	13.2
30°-40°	5976.5	17.2
40°-50°	7298.1	21.0
50°-60°	6427.1	18.5
60°-70°	3349.2	9.6
70°-80°	1436.3	4.1
80°-90°	689.8	2.0
90°-100°	324.1	0.9
100°-110°	201.4	0.6
110°-120°	119.1	0.3
120°-130°	64.7	0.2
130°-140°	32.5	0.1
140°-150°	15.6	0.0
150°-160°	5.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8857.3	25.5
0°-40°	14833.8	42.6
0°-60°	28558.9	82.1
0°-90°	34034.1	97.8
90°-120°	644.6	1.9
90°-150°	757.4	2.2
90°-180°	763.0	2.2
0°-180°	34797.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11622	11622	11622	11622	11622	
5°	11514	11602	11664	11767	11754	###
15°	10894	11200	11308	11223	11133	3068
25°	9653	10170	9997	9809	9819	4430
35°	7836	8663	9097	10609	11288	4884
45°	5769	7259	9922	12013	12263	4449
55°	3841	6359	9240	8101	7201	3447
65°	2204	4405	4230	2352	2023	2181
75°	888	2061	1359	930	883	968
85°	188	735	692	677	684	210
90°	2	266	456	522	534	13
95°	5	156	364	426	439	4
105°	10	88	236	283	288	11
115°	15	50	145	178	183	16
125°	18	25	85	110	113	15
135°	15	15	40	68	70	12
145°	20	15	18	33	38	12
155°	20	20	15	15	15	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11621.6	11621.6	11621.6	11621.6	<i>11621.6</i>
2.5°	11571.4	11621.6	11624.1	11694.3	<i>11686.8</i>
5°	11513.7	11601.5	11664.2	11767.0	<i>11754.5</i>
7.5°	11418.5	11556.4	11666.7	11779.5	<i>11769.5</i>
10°	11283.1	11471.1	11616.5	11709.3	<i>11679.2</i>
12.5°	11107.6	11355.8	11498.7	11518.8	<i>11461.1</i>
15°	10894.4	11200.3	11308.1	11222.9	<i>11132.6</i>
17.5°	10653.7	11012.3	11049.9	10864.3	<i>10751.5</i>
20°	10352.8	10761.5	10723.9	10468.2	<i>10342.8</i>
22.5°	10019.4	10485.7	10365.4	10097.1	<i>9976.7</i>
25°	9653.3	10169.8	9996.8	9808.7	<i>9818.8</i>
27.5°	9224.5	9811.3	9643.3	9728.5	<i>9889.0</i>
30°	8788.3	9435.2	9332.4	9828.8	<i>10144.7</i>
32.5°	8309.4	9049.0	9141.8	10122.2	<i>10638.7</i>
35°	7835.5	8662.9	9096.7	10608.6	<i>11288.1</i>
37.5°	7311.4	8271.7	9169.4	11170.2	<i>11882.3</i>
40°	6802.4	7890.6	9334.9	11674.2	<i>12276.0</i>
42.5°	<i>6283.4</i>	<i>7549.6</i>	<i>9613.2</i>	<i>11972.6</i>	<i>12441.5</i>
45°	5769.4	7258.8	9921.6	12012.7	<i>12263.4</i>
47.5°	5255.4	7013.1	10134.7	11694.3	<i>11578.9</i>
50°	4758.9	6794.9	10149.7	10929.5	<i>10458.2</i>
52.5°	4295.1	6594.3	9873.9	9711.0	<i>8978.8</i>
55°	3841.3	6358.6	9239.6	8101.2	<i>7201.1</i>
57.5°	3427.5	6032.7	8261.7	6371.2	<i>5388.3</i>
60°	2988.8	5591.4	6998.0	4661.2	<i>3886.4</i>
62.5°	2585.1	5042.3	5581.4	3244.5	<i>2793.2</i>
65°	2204.0	4405.4	4229.9	2351.9	<i>2023.4</i>
67.5°	1800.3	3746.0	3121.6	1715.0	<i>1504.4</i>
70°	1484.4	3134.2	2324.3	1333.9	<i>1211.0</i>
72.5°	1160.9	2552.5	1737.6	1083.2	<i>1015.5</i>
75°	887.6	2061.0	1359.0	930.2	<i>882.6</i>
77.5°	654.4	1629.8	1093.2	822.4	<i>777.3</i>
80°	458.8	1283.8	915.2	734.7	<i>717.1</i>
82.5°	308.4	992.9	779.8	699.6	<i>702.1</i>
85°	188.1	734.7	692.0	677.0	<i>684.5</i>
87.5°	90.3	521.5	594.2	616.8	<i>624.3</i>
90°	2.5	265.8	456.3	521.5	<i>534.1</i>
92.5°	0.0	203.1	401.2	466.4	<i>478.9</i>
95°	5.0	155.5	363.6	426.2	<i>438.8</i>
97.5°	5.0	127.9	326.0	391.1	<i>398.7</i>
100°	7.5	110.3	290.9	353.5	<i>361.1</i>
102.5°	7.5	97.8	260.8	315.9	<i>320.9</i>
105°	10.0	87.8	235.7	283.3	<i>288.3</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.0	60.2	165.5	200.6	205.6
115°	15.0	50.1	145.4	178.0	183.0
117.5°	17.6	45.1	127.9	158.0	160.5
120°	17.6	37.6	110.3	140.4	142.9
122.5°	17.6	30.1	97.8	125.4	127.9
125°	17.6	25.1	85.2	110.3	112.8
127.5°	15.0	17.6	72.7	97.8	100.3
130°	15.0	15.0	60.2	85.2	90.3
132.5°	15.0	15.0	50.1	75.2	80.2
135°	15.0	15.0	40.1	67.7	70.2
137.5°	15.0	15.0	32.6	57.7	62.7
140°	15.0	15.0	25.1	50.1	52.7
142.5°	17.6	15.0	22.6	42.6	45.1
145°	20.1	15.0	17.6	32.6	37.6
147.5°	20.1	17.6	17.6	27.6	30.1
150°	20.1	20.1	15.0	20.1	25.1
152.5°	20.1	20.1	15.0	15.0	20.1
155°	20.1	20.1	15.0	15.0	15.0
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°	12.5	77.7	210.6	253.2	258.3
110°	12.5	67.7	185.5	225.7	230.7



(END OF REPORT)