

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: P830323

Luminaire Tested: **OHBL-36HE-MCL-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830323
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-L830-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

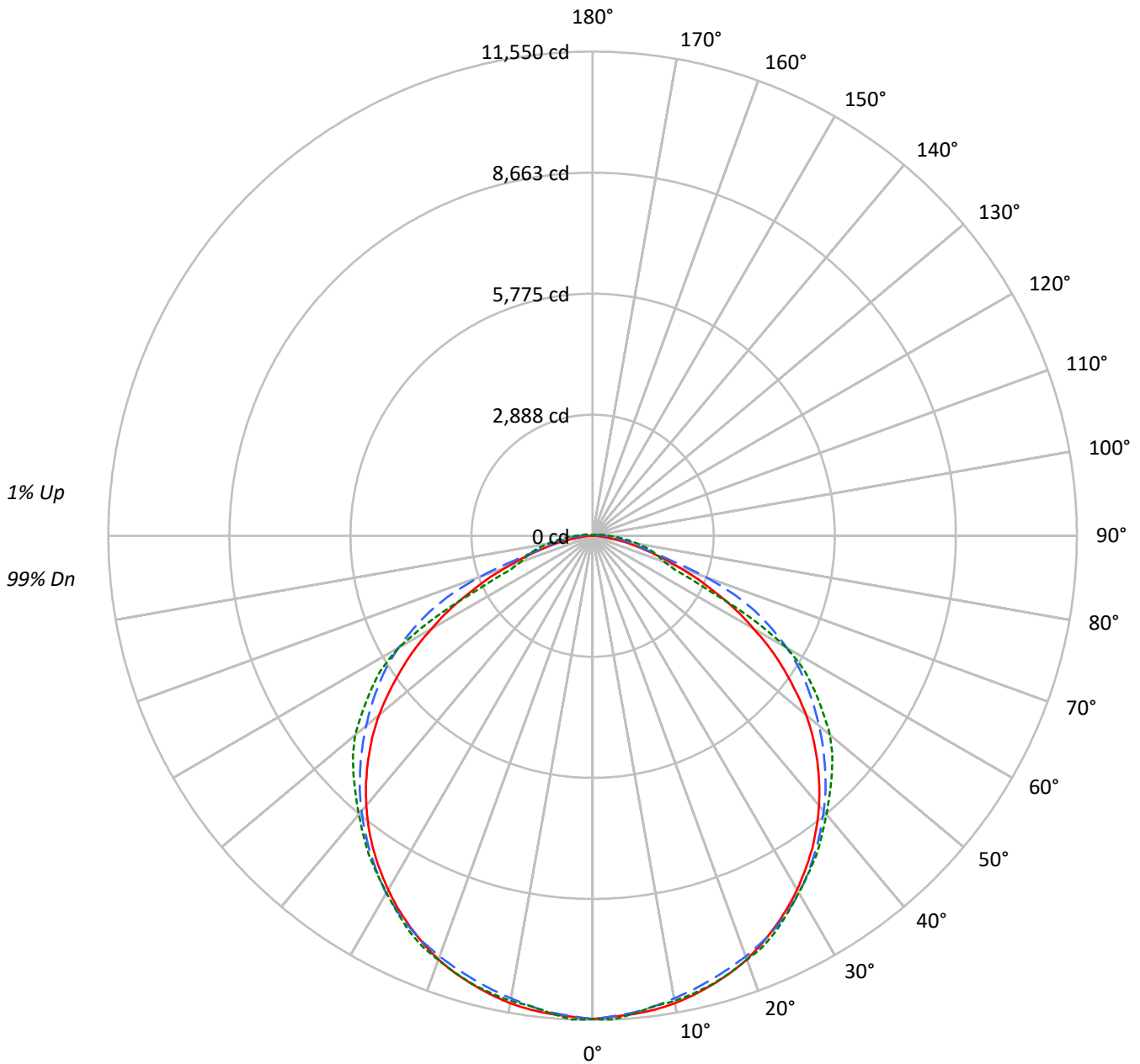
Lumens per Lamp: N/A
Luminaire Lumens: 32581.0 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	18230	18230	18230
5°	18111	17965	18003
10°	18044	17693	17803
15°	17930	17489	17684
20°	17815	17361	17527
25°	17600	17232	17372
30°	17367	17029	17043
35°	17087	16706	16862
40°	16724	16372	16615
45°	16220	15986	16506
50°	15538	15547	16375
55°	14453	15115	15764
60°	13033	14482	14574
65°	11180	13308	9237
70°	9005	10389	6696
75°	6751	6167	6796
80°	4699	5128	6489
85°	2675	4698	6082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1086.9	3.3
10°-20°	3116.7	9.6
20°-30°	4760.2	14.6
30°-40°	5775.8	17.7
40°-50°	6053.6	18.6
50°-60°	5485.5	16.8
60°-70°	3677.8	11.3
70°-80°	1651.5	5.1
80°-90°	599.3	1.8
90°-100°	180.4	0.6
100°-110°	85.1	0.3
110°-120°	42.7	0.1
120°-130°	23.5	0.1
130°-140°	16.2	0.0
140°-150°	10.9	0.0
150°-160°	8.1	0.0
160°-170°	5.2	0.0
170°-180°	1.6	0.0
0°-30°	8963.9	27.5
0°-40°	14739.7	45.2
0°-60°	26278.7	80.7
0°-90°	32207.3	98.9
90°-120°	308.2	0.9
90°-150°	358.8	1.1
90°-180°	374.0	1.1
0°-180°	32581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11527	11527	11527	11527	11527	
5°	11452	11492	11412	11447	11432	###
15°	11080	11037	10959	11056	11069	3128
25°	10294	10249	10320	10416	10386	4745
35°	9124	9145	9239	9337	9300	5703
45°	7572	7695	7839	8039	8064	5833
55°	5572	5840	6239	6489	6474	4974
65°	3270	3782	4294	3624	2958	3258
75°	1287	1867	1373	1405	1497	1406
85°	222	425	545	658	690	270
90°	2	142	282	353	370	13
95°	2	88	193	235	242	2
105°	7	38	95	115	120	8
115°	13	20	48	62	65	12
125°	12	13	30	35	37	12
135°	15	17	18	27	28	12
145°	15	17	17	18	20	10
155°	17	18	18	18	17	8
165°	18	18	18	18	18	5
175°	18	18	17	15	15	2
180°	17	17	17	17	17	



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CATALOG NUMBER: OHBL-36HE-MCL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11527.2	11527.2	11527.2	11527.2	11527.2
2.5°	11480.5	11528.9	11468.8	11533.9	11550.5
5°	11452.2	11492.2	11412.2	11447.2	11432.2
7.5°	11400.5	11413.8	11318.8	11347.2	11317.2
10°	11323.8	11317.2	11205.5	11260.5	11267.2
12.5°	11210.5	11190.5	11090.5	11173.8	11175.5
15°	11080.5	11037.2	10958.8	11055.5	11068.8
17.5°	10930.5	10873.8	10822.2	10947.2	10927.2
20°	10755.5	10688.8	10678.8	10815.5	10765.5
22.5°	10538.8	10487.1	10510.5	10640.5	10608.8
25°	10293.8	10248.8	10320.5	10415.5	10385.5
27.5°	10035.5	10008.8	10090.5	10163.8	10105.5
30°	9752.1	9737.1	9845.4	9905.4	9832.1
32.5°	9443.8	9448.8	9552.1	9633.8	9565.4
35°	9123.7	9145.4	9238.7	9337.1	9300.4
37.5°	8772.1	8820.4	8913.7	9025.4	8987.1
40°	8400.4	8470.4	8573.7	8708.7	8673.7
42.5°	7998.7	8087.0	8220.4	8370.4	8367.0
45°	7572.0	7695.3	7838.7	8038.7	8063.7
47.5°	7128.7	7267.0	7448.7	7715.3	7753.7
50°	6647.0	6820.3	7047.0	7367.0	7390.3
52.5°	6110.3	6347.0	6647.0	6953.6	6925.3
55°	5571.9	5840.3	6238.6	6488.6	6473.6
57.5°	5035.2	5336.9	5820.3	5998.6	5996.9
60°	4435.2	4816.9	5345.2	5480.2	5346.9
62.5°	3880.2	4290.2	4838.6	4740.2	4283.5
65°	3270.1	3781.8	4293.5	3623.5	2958.5
67.5°	2728.5	3261.8	3646.8	2481.8	2125.1
70°	2183.4	2771.8	2843.5	1841.7	1816.7
72.5°	1700.1	2326.8	1961.8	1576.7	1656.7
75°	1286.7	1866.8	1373.4	1405.1	1496.7
77.5°	938.4	1433.4	1068.4	1231.7	1306.7
80°	645.0	1015.0	871.7	1035.0	1086.7
82.5°	405.0	670.0	698.4	833.4	886.7
85°	221.7	425.0	545.0	658.4	690.0
87.5°	91.7	256.7	416.7	508.4	535.0
90°	1.7	141.7	281.7	353.3	370.0
92.5°	1.7	108.3	230.0	285.0	296.7
95°	1.7	88.3	193.3	235.0	241.7
97.5°	3.3	70.0	161.7	195.0	201.7
100°	5.0	58.3	135.0	163.3	168.3
102.5°	6.7	46.7	113.3	136.7	141.7
105°	6.7	38.3	95.0	115.0	120.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.7	23.3	56.7	71.7	75.0
115°	13.3	20.0	48.3	61.7	65.0
117.5°	13.3	16.7	41.7	51.7	55.0
120°	13.3	15.0	36.7	45.0	46.7
122.5°	13.3	13.3	31.7	40.0	41.7
125°	11.7	13.3	30.0	35.0	36.7
127.5°	13.3	13.3	26.7	31.7	33.3
130°	13.3	15.0	23.3	30.0	30.0
132.5°	15.0	16.7	21.7	28.3	28.3
135°	15.0	16.7	18.3	26.7	28.3
137.5°	16.7	16.7	16.7	25.0	26.7
140°	16.7	16.7	15.0	21.7	23.3
142.5°	15.0	16.7	15.0	20.0	21.7
145°	15.0	16.7	16.7	18.3	20.0
147.5°	16.7	16.7	16.7	16.7	18.3
150°	16.7	16.7	16.7	16.7	16.7
152.5°	16.7	16.7	16.7	16.7	16.7
155°	16.7	18.3	18.3	18.3	16.7
157.5°	16.7	18.3	18.3	18.3	18.3
160°	16.7	18.3	18.3	18.3	18.3
162.5°	18.3	18.3	18.3	18.3	18.3
165°	18.3	18.3	18.3	18.3	18.3
167.5°	18.3	20.0	18.3	18.3	18.3
170°	18.3	18.3	18.3	16.7	16.7
172.5°	18.3	18.3	18.3	16.7	16.7
175°	18.3	18.3	16.7	15.0	15.0
177.5°	20.0	18.3	16.7	15.0	13.3
180°	16.7	16.7	16.7	16.7	16.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.3	31.7	81.7	98.3	101.7
110°	10.0	26.7	68.3	83.3	86.7



(END OF REPORT)