

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: P830315

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830315
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-L930-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

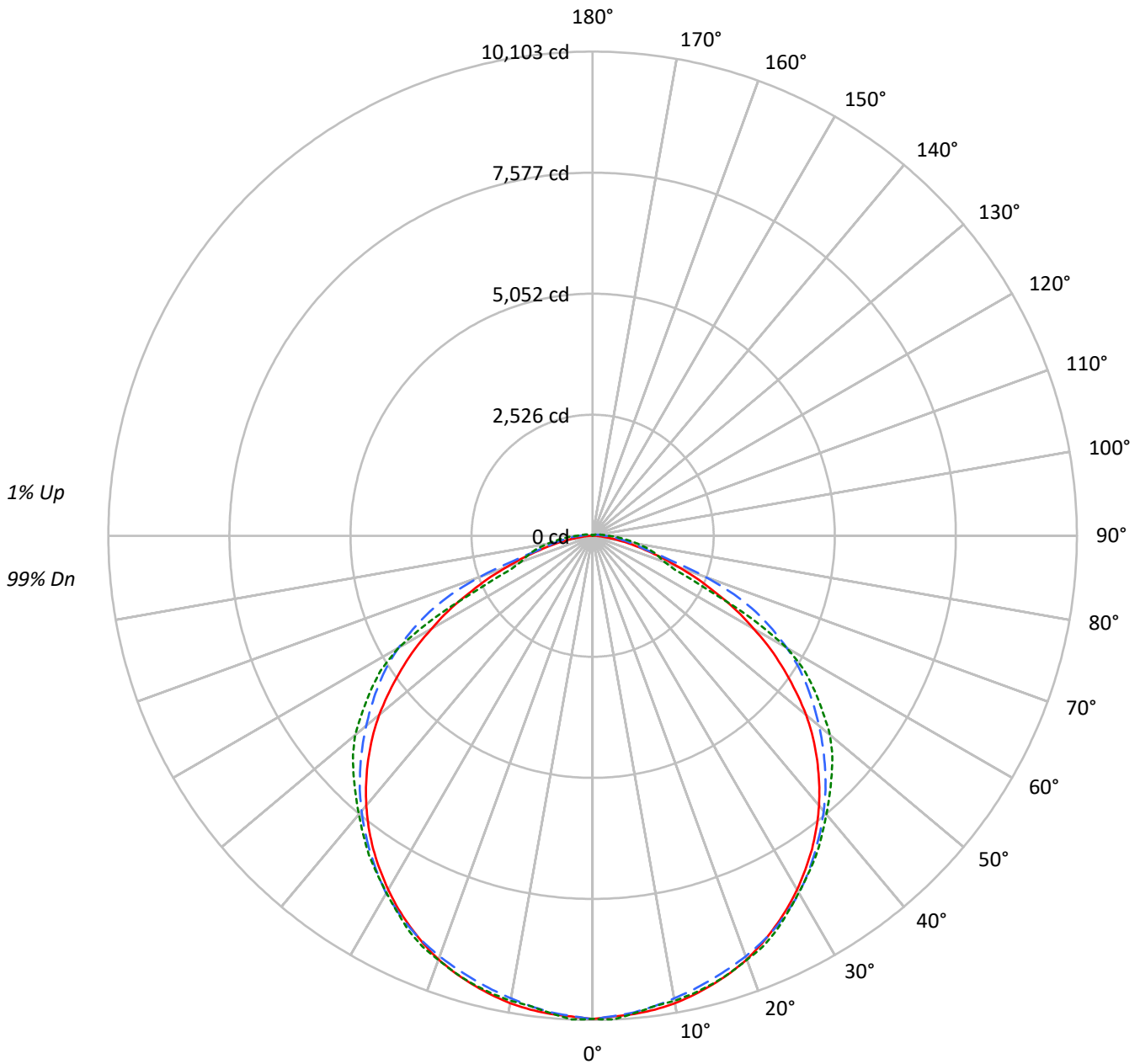
Lumens per Lamp: N/A
Luminaire Lumens: 28497.0 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	15945	15945	15945
5°	15841	15713	15746
10°	15783	15475	15571
15°	15682	15297	15467
20°	15582	15185	15330
25°	15394	15072	15195
30°	15190	14894	14907
35°	14945	14612	14748
40°	14627	14320	14533
45°	14187	13982	14437
50°	13590	13598	14323
55°	12641	13220	13788
60°	11400	12667	12747
65°	9779	11640	8079
70°	7876	9087	5857
75°	5905	5394	5944
80°	4111	4485	5676
85°	2340	4110	5320



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	950.7	3.3
10°-20°	2726.1	9.6
20°-30°	4163.5	14.6
30°-40°	5051.8	17.7
40°-50°	5294.8	18.6
50°-60°	4797.9	16.8
60°-70°	3216.8	11.3
70°-80°	1444.5	5.1
80°-90°	524.2	1.8
90°-100°	157.8	0.6
100°-110°	74.4	0.3
110°-120°	37.3	0.1
120°-130°	20.6	0.1
130°-140°	14.2	0.0
140°-150°	9.5	0.0
150°-160°	7.1	0.0
160°-170°	4.5	0.0
170°-180°	1.4	0.0
0°-30°	7840.3	27.5
0°-40°	12892.1	45.2
0°-60°	22984.7	80.7
0°-90°	28170.1	98.9
90°-120°	269.5	0.9
90°-150°	313.8	1.1
90°-180°	327.0	1.1
0°-180°	28497.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10082	10082	10082	10082	10082	
5°	10017	10052	9982	10012	9999	953
15°	9692	9654	9585	9670	9681	2736
25°	9004	8964	9027	9110	9084	4150
35°	7980	7999	8081	8167	8135	4988
45°	6623	6731	6856	7031	7053	5102
55°	4874	5108	5457	5675	5662	4350
65°	2860	3308	3755	3169	2588	2850
75°	1125	1633	1201	1229	1309	1230
85°	194	372	477	576	604	237
90°	2	124	246	309	324	12
95°	2	77	169	206	211	2
105°	6	34	83	101	105	7
115°	12	18	42	54	57	11
125°	10	12	26	31	32	10
135°	13	15	16	23	25	10
145°	13	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	4
175°	16	16	15	13	13	2
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10082.3	10082.3	10082.3	10082.3	10082.3
2.5°	10041.4	10083.7	10031.2	10088.1	10102.7
5°	10016.7	10051.6	9981.7	10012.3	9999.2
7.5°	9971.5	9983.1	9900.0	9924.8	9898.6
10°	9904.4	9898.6	9800.9	9849.0	9854.8
12.5°	9805.3	9787.8	9700.3	9773.2	9774.7
15°	9691.6	9653.7	9585.1	9669.7	9681.4
17.5°	9560.4	9510.8	9465.6	9574.9	9557.4
20°	9407.3	9349.0	9340.2	9459.8	9416.0
22.5°	9217.8	9172.6	9193.0	9306.7	9279.0
25°	9003.5	8964.1	9026.8	9109.9	9083.7
27.5°	8777.5	8754.2	8825.6	8889.8	8838.7
30°	8529.7	8516.6	8611.3	8663.8	8599.7
32.5°	8260.0	8264.4	8354.7	8426.2	8366.4
35°	7980.1	7999.0	8080.7	8166.7	8134.6
37.5°	7672.5	7714.8	7796.4	7894.1	7860.5
40°	7347.4	7408.6	7499.0	7617.1	7586.5
42.5°	6996.1	7073.3	7190.0	7321.2	7318.2
45°	6622.9	6730.7	6856.1	7031.1	7052.9
47.5°	6235.1	6356.1	6515.0	6748.2	6781.8
50°	5813.8	5965.4	6163.7	6443.6	6464.0
52.5°	5344.4	5551.4	5813.8	6082.0	6057.2
55°	4873.5	5108.2	5456.6	5675.3	5662.2
57.5°	4404.1	4667.9	5090.7	5246.7	5245.2
60°	3879.3	4213.1	4675.2	4793.3	4676.7
62.5°	3393.8	3752.4	4232.0	4146.0	3746.6
65°	2860.2	3307.8	3755.3	3169.3	2587.6
67.5°	2386.4	2852.9	3189.7	2170.7	1858.7
70°	1909.7	2424.3	2487.0	1610.9	1589.0
72.5°	1487.0	2035.1	1715.9	1379.1	1449.1
75°	1125.4	1632.8	1201.2	1228.9	1309.1
77.5°	820.8	1253.7	934.5	1077.3	1142.9
80°	564.2	887.8	762.4	905.3	950.5
82.5°	354.2	586.0	610.8	728.9	775.6
85°	193.9	371.7	476.7	575.8	603.5
87.5°	80.2	224.5	364.5	444.6	468.0
90°	1.5	123.9	246.4	309.1	323.6
92.5°	1.5	94.8	201.2	249.3	259.5
95°	1.5	77.3	169.1	205.6	211.4
97.5°	2.9	61.2	141.4	170.6	176.4
100°	4.4	51.0	118.1	142.9	147.2
102.5°	5.8	40.8	99.1	119.5	123.9
105°	5.8	33.5	83.1	100.6	105.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.2	20.4	49.6	62.7	65.6
115°	11.7	17.5	42.3	53.9	56.9
117.5°	11.7	14.6	36.4	45.2	48.1
120°	11.7	13.1	32.1	39.4	40.8
122.5°	11.7	11.7	27.7	35.0	36.4
125°	10.2	11.7	26.2	30.6	32.1
127.5°	11.7	11.7	23.3	27.7	29.2
130°	11.7	13.1	20.4	26.2	26.2
132.5°	13.1	14.6	19.0	24.8	24.8
135°	13.1	14.6	16.0	23.3	24.8
137.5°	14.6	14.6	14.6	21.9	23.3
140°	14.6	14.6	13.1	19.0	20.4
142.5°	13.1	14.6	13.1	17.5	19.0
145°	13.1	14.6	14.6	16.0	17.5
147.5°	14.6	14.6	14.6	14.6	16.0
150°	14.6	14.6	14.6	14.6	14.6
152.5°	14.6	14.6	14.6	14.6	14.6
155°	14.6	16.0	16.0	16.0	14.6
157.5°	14.6	16.0	16.0	16.0	16.0
160°	14.6	16.0	16.0	16.0	16.0
162.5°	16.0	16.0	16.0	16.0	16.0
165°	16.0	16.0	16.0	16.0	16.0
167.5°	16.0	17.5	16.0	16.0	16.0
170°	16.0	16.0	16.0	14.6	14.6
172.5°	16.0	16.0	16.0	14.6	14.6
175°	16.0	16.0	14.6	13.1	13.1
177.5°	17.5	16.0	14.6	13.1	11.7
180°	14.6	14.6	14.6	14.6	14.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.3	27.7	71.4	86.0	88.9
110°	8.7	23.3	59.8	72.9	75.8



(END OF REPORT)