

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: P830307

Luminaire Tested: **OHBL-36HE-A-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830307
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-L730-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

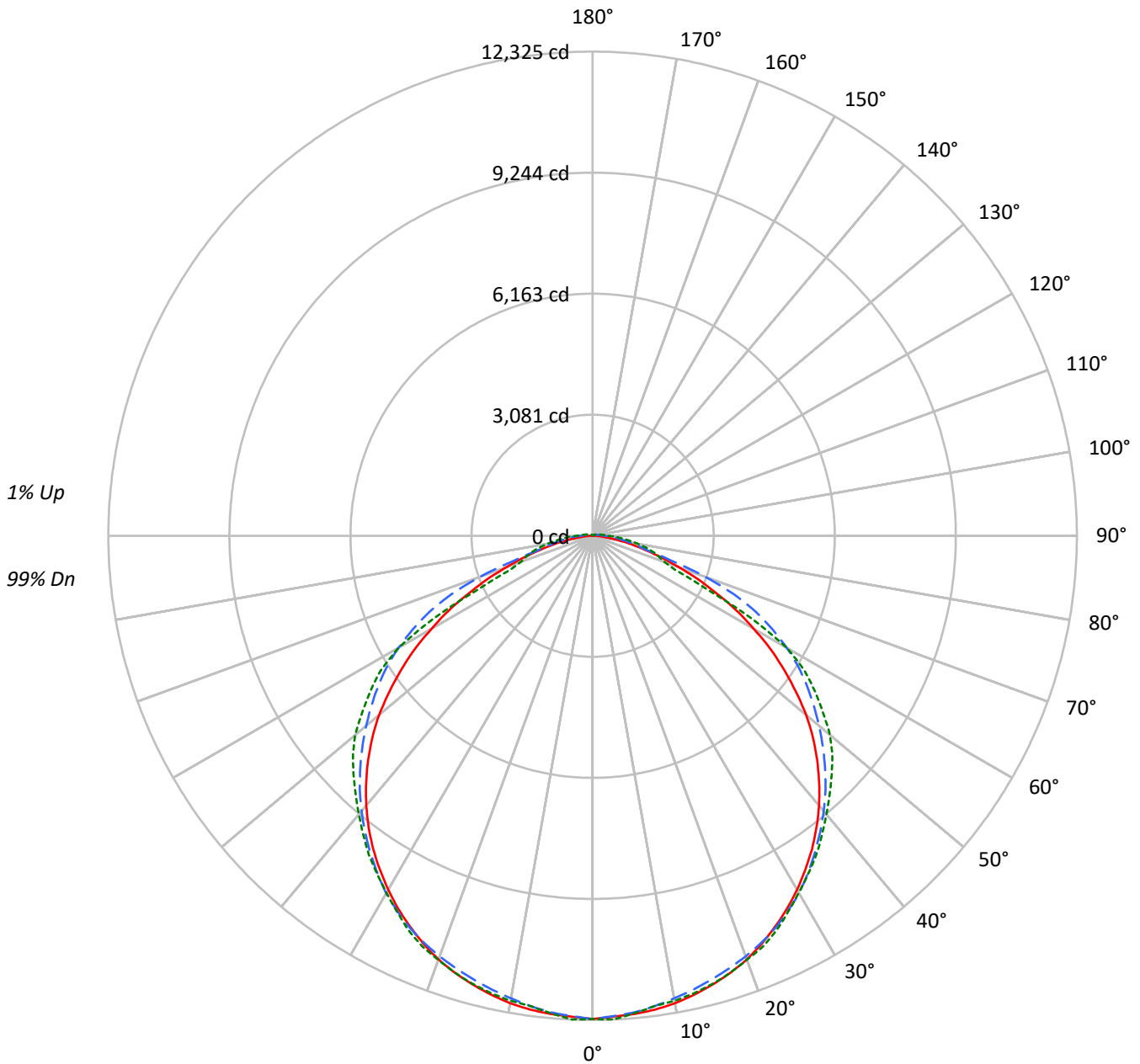
Lumens per Lamp: N/A
Luminaire Lumens: 34765.0 lumens
Efficiency: N/A
Efficacy: 164.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	19452	19452	19452
5°	19325	19169	19210
10°	19254	18879	18996
15°	19132	18662	18869
20°	19010	18525	18702
25°	18780	18387	18536
30°	18531	18170	18186
35°	18232	17826	17993
40°	17845	17470	17729
45°	17307	17058	17613
50°	16579	16589	17473
55°	15422	16128	16821
60°	13907	15453	15551
65°	11930	14200	9856
70°	9609	11085	7145
75°	7204	6581	7252
80°	5015	5471	6924
85°	2853	5014	6490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1159.8	3.3
10°-20°	3325.7	9.6
20°-30°	5079.3	14.6
30°-40°	6163.0	17.7
40°-50°	6459.4	18.6
50°-60°	5853.2	16.8
60°-70°	3924.3	11.3
70°-80°	1762.2	5.1
80°-90°	639.5	1.8
90°-100°	192.5	0.6
100°-110°	90.8	0.3
110°-120°	45.5	0.1
120°-130°	25.1	0.1
130°-140°	17.3	0.0
140°-150°	11.6	0.0
150°-160°	8.6	0.0
160°-170°	5.6	0.0
170°-180°	1.8	0.0
0°-30°	9564.7	27.5
0°-40°	15727.7	45.2
0°-60°	28040.3	80.7
0°-90°	34366.2	98.9
90°-120°	328.8	0.9
90°-150°	382.8	1.1
90°-180°	399.0	1.1
0°-180°	34765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12300	12300	12300	12300	12300	
5°	12220	12262	12177	12214	12198	###
15°	11823	11777	11693	11797	11811	3338
25°	10984	10936	11012	11114	11082	5063
35°	9735	9758	9858	9963	9924	6085
45°	8080	8211	8364	8578	8604	6224
55°	5945	6232	6657	6924	6908	5307
65°	3489	4035	4581	3866	3157	3477
75°	1373	1992	1466	1499	1597	1500
85°	236	454	582	702	736	289
90°	2	151	301	377	395	14
95°	2	94	206	251	258	2
105°	7	41	101	123	128	8
115°	14	21	52	66	69	13
125°	12	14	32	37	39	12
135°	16	18	20	28	30	13
145°	16	18	18	20	21	11
155°	18	20	20	20	18	8
165°	20	20	20	20	20	5
175°	20	20	18	16	16	2
180°	18	18	18	18	18	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12299.9	12299.9	12299.9	12299.9	12299.9
2.5°	12250.1	12301.7	12237.6	12307.0	12324.8
5°	12219.9	12262.5	12177.2	12214.5	12198.5
7.5°	12164.7	12179.0	12077.6	12107.8	12075.8
10°	12082.9	12075.8	11956.6	12015.3	12022.4
12.5°	11962.0	11940.6	11833.9	11922.9	11924.6
15°	11823.3	11777.0	11693.4	11796.6	11810.8
17.5°	11663.2	11602.7	11547.6	11681.0	11659.6
20°	11476.5	11405.3	11394.6	11540.5	11487.1
22.5°	11245.3	11190.1	11215.0	11353.7	11320.0
25°	10983.8	10935.8	11012.3	11113.6	11081.6
27.5°	10708.2	10679.7	10766.8	10845.1	10782.9
30°	10405.8	10389.8	10505.4	10569.4	10491.2
32.5°	10076.8	10082.1	10192.4	10279.5	10206.6
35°	9735.3	9758.5	9858.0	9963.0	9923.9
37.5°	9360.1	9411.7	9511.2	9630.4	9589.5
40°	8963.5	9038.2	9148.4	9292.5	9255.1
42.5°	8534.9	8629.1	8771.4	8931.5	8927.9
45°	8079.6	8211.2	8364.1	8577.6	8604.2
47.5°	7606.5	7754.1	7948.0	8232.5	8273.4
50°	7092.5	7277.5	7519.4	7860.8	7885.7
52.5°	6519.9	6772.4	7092.5	7419.8	7389.5
55°	5945.4	6231.8	6656.8	6923.6	6907.6
57.5°	5372.8	5694.7	6210.4	6400.7	6398.9
60°	4732.5	5139.8	5703.5	5847.6	5705.3
62.5°	4140.3	4577.8	5162.9	5058.0	4570.7
65°	3489.4	4035.3	4581.3	3866.4	3156.8
67.5°	2911.4	3480.5	3891.3	2648.1	2267.5
70°	2329.8	2957.6	3034.1	1965.2	1938.5
72.5°	1814.0	2482.7	2093.3	1682.4	1767.8
75°	1373.0	1991.9	1465.5	1499.2	1597.1
77.5°	1001.3	1529.5	1140.0	1314.3	1394.3
80°	688.3	1083.1	930.1	1104.4	1159.6
82.5°	432.2	714.9	745.2	889.2	946.1
85°	236.5	453.5	581.6	702.5	736.3
87.5°	97.8	273.9	444.6	542.4	570.9
90°	1.8	151.2	300.6	377.0	394.8
92.5°	1.8	115.6	245.4	304.1	316.6
95°	1.8	94.3	206.3	250.8	257.9
97.5°	3.6	74.7	172.5	208.1	215.2
100°	5.3	62.2	144.1	174.3	179.6
102.5°	7.1	49.8	120.9	145.8	151.2
105°	7.1	40.9	101.4	122.7	128.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.4	24.9	60.5	76.5	80.0
115°	14.2	21.3	51.6	65.8	69.4
117.5°	14.2	17.8	44.5	55.1	58.7
120°	14.2	16.0	39.1	48.0	49.8
122.5°	14.2	14.2	33.8	42.7	44.5
125°	12.4	14.2	32.0	37.3	39.1
127.5°	14.2	14.2	28.5	33.8	35.6
130°	14.2	16.0	24.9	32.0	32.0
132.5°	16.0	17.8	23.1	30.2	30.2
135°	16.0	17.8	19.6	28.5	30.2
137.5°	17.8	17.8	17.8	26.7	28.5
140°	17.8	17.8	16.0	23.1	24.9
142.5°	16.0	17.8	16.0	21.3	23.1
145°	16.0	17.8	17.8	19.6	21.3
147.5°	17.8	17.8	17.8	17.8	19.6
150°	17.8	17.8	17.8	17.8	17.8
152.5°	17.8	17.8	17.8	17.8	17.8
155°	17.8	19.6	19.6	19.6	17.8
157.5°	17.8	19.6	19.6	19.6	19.6
160°	17.8	19.6	19.6	19.6	19.6
162.5°	19.6	19.6	19.6	19.6	19.6
165°	19.6	19.6	19.6	19.6	19.6
167.5°	19.6	21.3	19.6	19.6	19.6
170°	19.6	19.6	19.6	17.8	17.8
172.5°	19.6	19.6	19.6	17.8	17.8
175°	19.6	19.6	17.8	16.0	16.0
177.5°	21.3	19.6	17.8	16.0	14.2
180°	17.8	17.8	17.8	17.8	17.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.9	33.8	87.1	104.9	108.5
110°	10.7	28.5	72.9	88.9	92.5



(END OF REPORT)