

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: P830311

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830311
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-L830-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

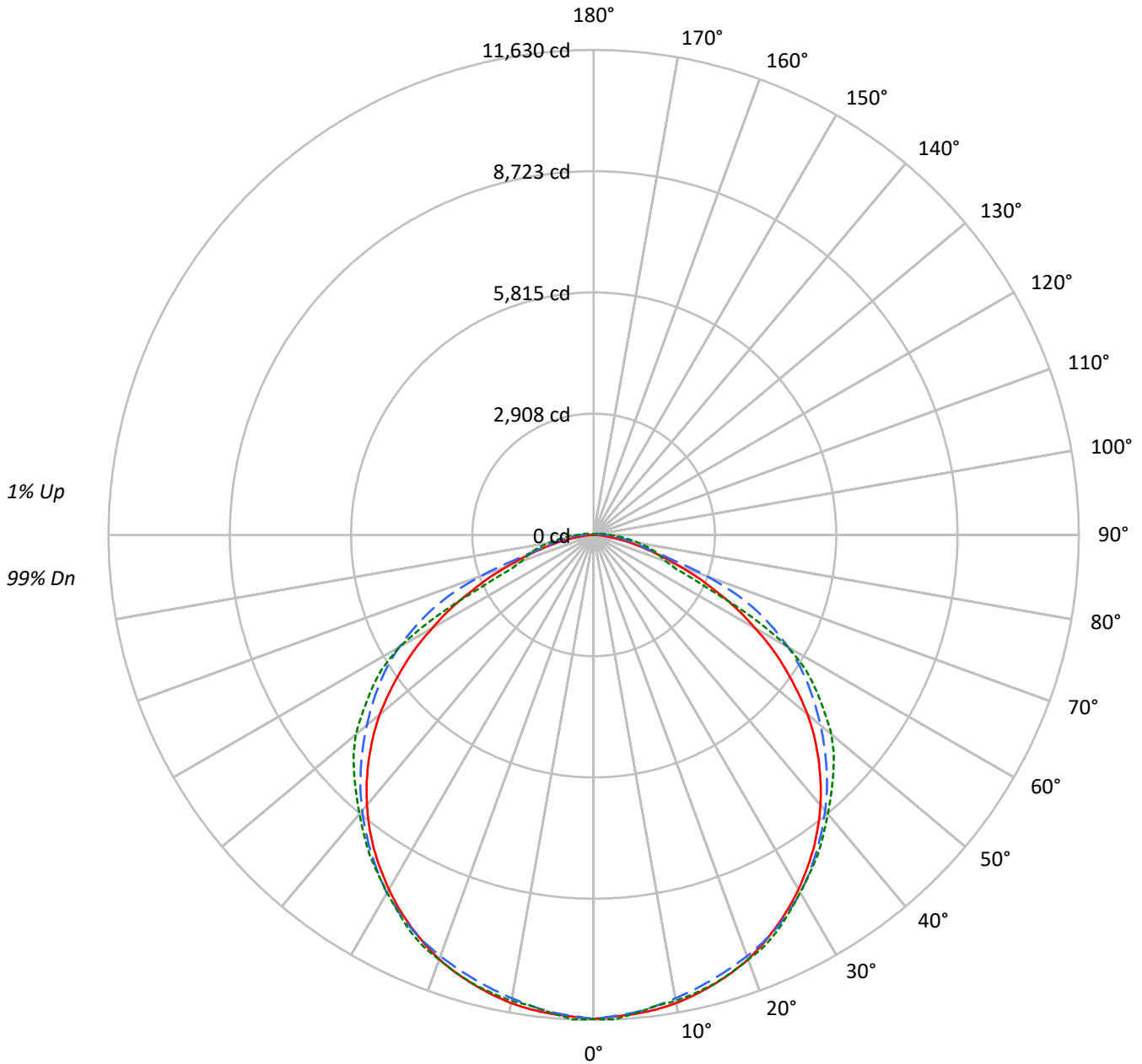
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32806.1 lumens
Efficiency: N/A
Efficacy: 154.7 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°	18356	18356	18356
5°	18236	18089	18127
10°	18169	17815	17926
15°	18054	17610	17806
20°	17938	17481	17648
25°	17722	17351	17492
30°	17487	17146	17161
35°	17205	16821	16979
40°	16839	16485	16730
45°	16332	16097	16620
50°	15645	15654	16489
55°	14553	15219	15873
60°	13123	14582	14675
65°	11257	13400	9300
70°	9067	10461	6743
75°	6798	6210	6844
80°	4732	5163	6534
85°	2693	4731	6124



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1094.4	3.3
10°-20°	3138.3	9.6
20°-30°	4793.1	14.6
30°-40°	5815.7	17.7
40°-50°	6095.4	18.6
50°-60°	5523.3	16.8
60°-70°	3703.2	11.3
70°-80°	1662.9	5.1
80°-90°	603.5	1.8
90°-100°	181.6	0.6
100°-110°	85.7	0.3
110°-120°	43.0	0.1
120°-130°	23.7	0.1
130°-140°	16.3	0.0
140°-150°	11.0	0.0
150°-160°	8.2	0.0
160°-170°	5.2	0.0
170°-180°	1.7	0.0
0°-30°	9025.8	27.5
0°-40°	14841.5	45.2
0°-60°	26460.2	80.7
0°-90°	32429.7	98.9
90°-120°	310.3	0.9
90°-150°	361.3	1.1
90°-180°	376.0	1.1
0°-180°	32806.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11607	11607	11607	11607	11607	
5°	11531	11572	11491	11526	11511	###
15°	11157	11113	11034	11132	11145	3150
25°	10365	10320	10392	10487	10457	4778
35°	9187	9209	9303	9402	9365	5742
45°	7624	7748	7893	8094	8119	5873
55°	5610	5881	6282	6533	6518	5008
65°	3293	3808	4323	3648	2979	3281
75°	1296	1880	1383	1415	1507	1416
85°	223	428	549	663	695	272
90°	2	143	284	356	373	13
95°	2	89	195	237	243	2
105°	7	39	96	116	121	8
115°	13	20	49	62	66	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11606.8	11606.8	11606.8	11606.8	<i>11606.8</i>
2.5°	<i>11559.8</i>	<i>11608.5</i>	<i>11548.1</i>	<i>11613.5</i>	<i>11630.3</i>
5°	11531.3	11571.5	11491.0	11526.2	<i>11511.1</i>
7.5°	11479.2	11492.7	11397.0	11425.5	<i>11395.3</i>
10°	11402.0	11395.3	11282.9	11338.3	<i>11345.0</i>
12.5°	11287.9	11267.8	11167.1	11251.0	<i>11252.7</i>
15°	11157.0	11113.4	11034.5	11131.8	<i>11145.3</i>
17.5°	11006.0	10948.9	10896.9	11022.8	<i>11002.6</i>
20°	10829.8	10762.6	10752.6	10890.2	<i>10839.8</i>
22.5°	10611.6	10559.6	10583.1	10714.0	<i>10682.1</i>
25°	10364.9	10319.6	10391.7	10487.4	<i>10457.2</i>
27.5°	10104.8	10077.9	10160.1	10234.0	<i>10175.2</i>
30°	9819.5	9804.3	9913.4	9973.9	<i>9900.0</i>
32.5°	9509.0	9514.0	9618.1	9700.3	<i>9631.5</i>
35°	9186.8	9208.6	9302.6	9401.6	<i>9364.6</i>
37.5°	8832.6	8881.3	8975.3	9087.7	<i>9049.1</i>
40°	8458.4	8528.9	8632.9	8768.9	<i>8733.6</i>
42.5°	8053.9	8142.9	8277.1	8428.2	<i>8424.8</i>
45°	7624.3	7748.5	7892.8	8094.2	<i>8119.4</i>
47.5°	7177.9	7317.2	7500.1	7768.6	<i>7807.2</i>
50°	6692.9	6867.4	7095.6	7417.9	<i>7441.4</i>
52.5°	6152.5	6390.8	6692.9	7001.7	<i>6973.1</i>
55°	5610.4	5880.6	6281.7	6533.4	<i>6518.3</i>
57.5°	5070.0	5373.8	5860.5	6040.0	<i>6038.4</i>
60°	4465.8	4850.1	5382.2	5518.1	<i>5383.8</i>
62.5°	3907.0	4319.8	4872.0	4772.9	<i>4313.1</i>
65°	3292.7	3808.0	4323.2	3648.5	<i>2978.9</i>
67.5°	2747.3	3284.3	3672.0	2498.9	<i>2139.8</i>
70°	2198.5	2790.9	2863.1	1854.5	<i>1829.3</i>
72.5°	1711.8	2342.8	1975.3	1587.6	<i>1668.2</i>
75°	1295.6	1879.6	1382.9	1414.8	<i>1507.1</i>
77.5°	944.9	1443.3	1075.8	1240.2	<i>1315.7</i>
80°	649.5	1022.1	877.7	1042.2	<i>1094.2</i>
82.5°	407.8	674.7	703.2	839.1	<i>892.8</i>
85°	223.2	428.0	548.8	662.9	<i>694.8</i>
87.5°	92.3	258.5	419.6	511.9	<i>538.7</i>
90°	1.7	142.7	283.6	355.8	<i>372.6</i>
92.5°	1.7	109.1	231.6	287.0	<i>298.7</i>
95°	1.7	88.9	194.7	236.6	<i>243.3</i>
97.5°	3.4	70.5	162.8	196.4	<i>203.1</i>
100°	5.0	58.7	135.9	164.5	<i>169.5</i>
102.5°	6.7	47.0	114.1	137.6	<i>142.7</i>
105°	6.7	38.6	95.7	115.8	<i>120.8</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.7	23.5	57.1	72.2	75.5
115°	13.4	20.1	48.7	62.1	65.5
117.5°	13.4	16.8	42.0	52.0	55.4
120°	13.4	15.1	36.9	45.3	47.0
122.5°	13.4	13.4	31.9	40.3	42.0
125°	11.7	13.4	30.2	35.2	36.9
127.5°	13.4	13.4	26.9	31.9	33.6
130°	13.4	15.1	23.5	30.2	30.2
132.5°	15.1	16.8	21.8	28.5	28.5
135°	15.1	16.8	18.5	26.9	28.5
137.5°	16.8	16.8	16.8	25.2	26.9
140°	16.8	16.8	15.1	21.8	23.5
142.5°	15.1	16.8	15.1	20.1	21.8
145°	15.1	16.8	16.8	18.5	20.1
147.5°	16.8	16.8	16.8	16.8	18.5
150°	16.8	16.8	16.8	16.8	16.8
152.5°	16.8	16.8	16.8	16.8	16.8
155°	16.8	18.5	18.5	18.5	16.8
157.5°	16.8	18.5	18.5	18.5	18.5
160°	16.8	18.5	18.5	18.5	18.5
162.5°	18.5	18.5	18.5	18.5	18.5
165°	18.5	18.5	18.5	18.5	18.5
167.5°	18.5	20.1	18.5	18.5	18.5
170°	18.5	18.5	18.5	16.8	16.8
172.5°	18.5	18.5	18.5	16.8	16.8
175°	18.5	18.5	16.8	15.1	15.1
177.5°	20.1	18.5	16.8	15.1	13.4
180°	16.8	16.8	16.8	16.8	16.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.4	31.9	82.2	99.0	102.4
110°	10.1	26.9	68.8	83.9	87.3



(END OF REPORT)