

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: P830460

Luminaire Tested: **OHBL-48HE-A-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830460
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-48HE-A-UNV-L935-CD
Description: 48000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

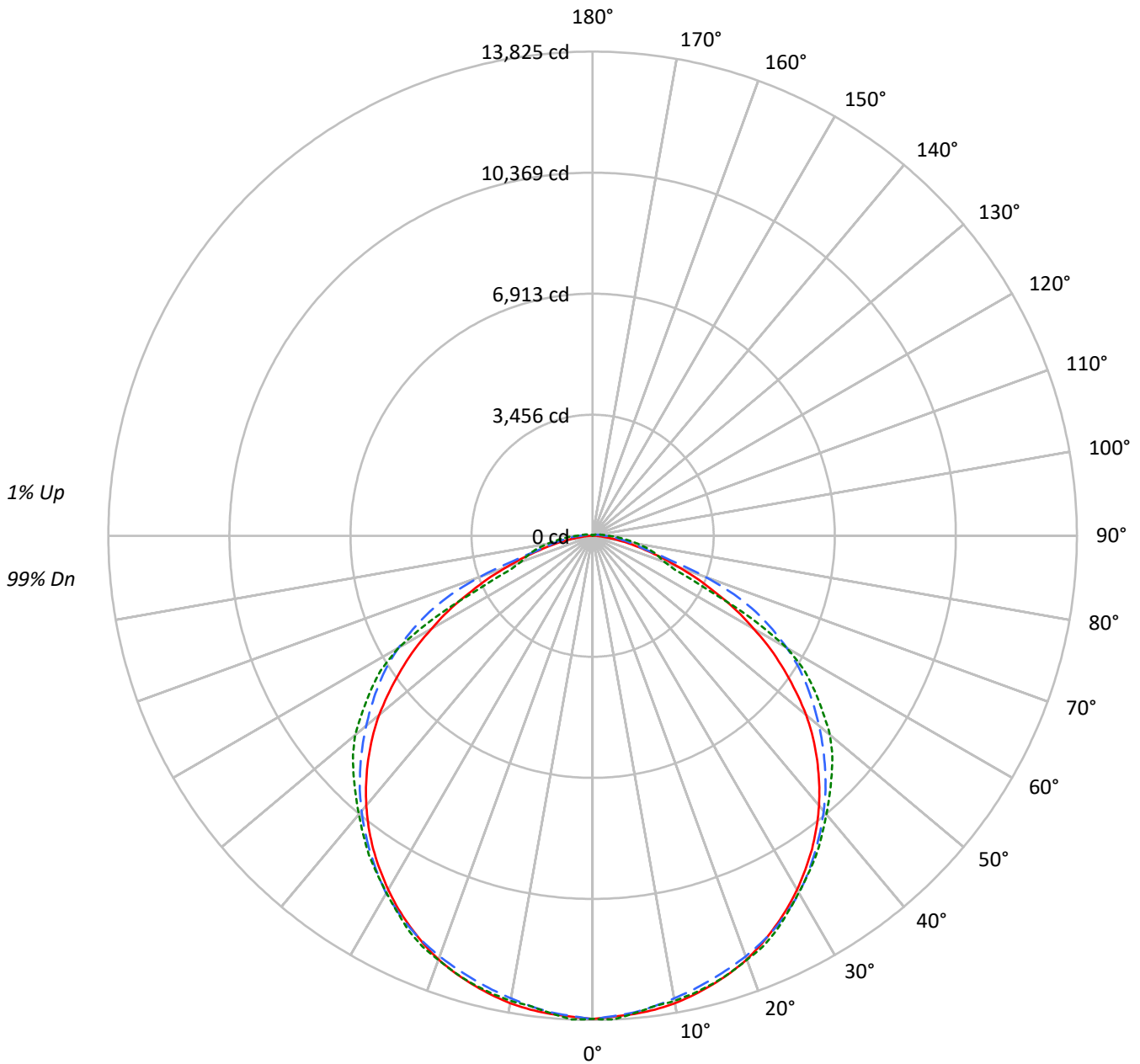
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38995.9 lumens
Efficiency: N/A
Efficacy: 146.6 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): 266
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°	21819	21819	21819
5°	21676	21502	21548
10°	21597	21177	21308
15°	21460	20933	21166
20°	21323	20780	20978
25°	21066	20625	20793
30°	20786	20382	20399
35°	20451	19995	20182
40°	20017	19596	19887
45°	19414	19134	19756
50°	18597	18608	19599
55°	17299	18091	18868
60°	15599	17334	17444
65°	13381	15928	11055
70°	10778	12434	8015
75°	8081	7381	8135
80°	5625	6137	7767
85°	3201	5623	7280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1300.9	3.3
10°-20°	3730.4	9.6
20°-30°	5697.5	14.6
30°-40°	6913.0	17.7
40°-50°	7245.5	18.6
50°-60°	6565.5	16.8
60°-70°	4401.9	11.3
70°-80°	1976.6	5.1
80°-90°	717.3	1.8
90°-100°	215.9	0.6
100°-110°	101.9	0.3
110°-120°	51.1	0.1
120°-130°	28.2	0.1
130°-140°	19.3	0.0
140°-150°	13.0	0.0
150°-160°	9.7	0.0
160°-170°	6.2	0.0
170°-180°	2.0	0.0
0°-30°	10728.8	27.5
0°-40°	17641.8	45.2
0°-60°	31452.9	80.7
0°-90°	38548.7	98.9
90°-120°	368.9	0.9
90°-150°	429.4	1.1
90°-180°	447.0	1.1
0°-180°	38995.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13797	13797	13797	13797	13797	
5°	13707	13755	13659	13701	13683	###
15°	13262	13210	13117	13232	13248	3744
25°	12321	12267	12352	12466	12430	5679
35°	10920	10946	11058	11176	11132	6825
45°	9063	9210	9382	9622	9651	6982
55°	6669	6990	7467	7766	7748	5953
65°	3914	4526	5139	4337	3541	3900
75°	1540	2234	1644	1682	1791	1683
85°	265	509	652	788	826	324
90°	2	170	337	423	443	16
95°	2	106	231	281	289	3
105°	8	46	114	138	144	9
115°	16	24	58	74	78	15
125°	14	16	36	42	44	14
135°	18	20	22	32	34	14
145°	18	20	20	22	24	12
155°	20	22	22	22	20	9
165°	22	22	22	22	22	6
175°	22	22	20	18	18	2
180°	20	20	20	20	20	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13796.8	13796.8	13796.8	13796.8	13796.8
2.5°	13741.0	13798.8	13727.0	13804.8	13824.7
5°	13707.0	13754.9	13659.2	13701.1	13683.1
7.5°	13645.2	13661.2	13547.5	13581.4	13545.5
10°	13553.4	13545.5	13411.8	13477.6	13485.6
12.5°	13417.8	13393.8	13274.2	13373.9	13375.9
15°	13262.2	13210.3	13116.6	13232.3	13248.2
17.5°	13082.6	13014.8	12953.0	13102.6	13078.6
20°	12873.2	12793.4	12781.4	12945.0	12885.1
22.5°	12613.8	12552.0	12579.9	12735.5	12697.6
25°	12320.6	12266.7	12352.5	12466.2	12430.3
27.5°	12011.4	11979.5	12077.2	12165.0	12095.2
30°	11672.2	11654.3	11784.0	11855.8	11768.0
32.5°	11303.2	11309.2	11432.8	11530.6	11448.8
35°	10920.2	10946.1	11057.8	11175.5	11131.6
37.5°	10499.2	10557.1	10668.8	10802.5	10756.6
40°	10054.4	10138.1	10261.8	10423.4	10381.5
42.5°	9573.6	9679.3	9838.9	10018.5	10014.5
45°	9062.9	9210.5	9382.1	9621.5	9651.4
47.5°	8532.2	8697.8	8915.3	9234.5	9280.3
50°	7955.7	8163.2	8434.5	8817.5	8845.4
52.5°	7313.4	7596.6	7955.7	8322.8	8288.9
55°	6669.0	6990.2	7467.0	7766.2	7748.2
57.5°	6026.6	6387.7	6966.2	7179.7	7177.7
60°	5308.5	5765.3	6397.7	6559.3	6399.7
62.5°	4644.2	5134.9	5791.2	5673.5	5126.9
65°	3914.0	4526.5	5138.9	4336.9	3541.0
67.5°	3265.7	3904.0	4364.9	2970.4	2543.5
70°	2613.3	3317.5	3403.3	2204.4	2174.5
72.5°	2034.8	2784.9	2348.0	1887.2	1982.9
75°	1540.1	2234.3	1643.8	1681.7	1791.4
77.5°	1123.1	1715.6	1278.7	1474.2	1564.0
80°	772.0	1214.9	1043.3	1238.8	1300.7
82.5°	484.8	802.0	835.9	997.5	1061.3
85°	265.3	508.7	652.3	788.0	825.9
87.5°	109.7	307.2	498.7	608.4	640.4
90°	2.0	169.6	337.1	422.9	442.9
92.5°	2.0	129.7	275.3	341.1	355.1
95°	2.0	105.7	231.4	281.3	289.3
97.5°	4.0	83.8	193.5	233.4	241.4
100°	6.0	69.8	161.6	195.5	201.5
102.5°	8.0	55.9	135.7	163.6	169.6
105°	8.0	45.9	113.7	137.6	143.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.0	27.9	67.8	85.8	89.8
115°	16.0	23.9	57.9	73.8	77.8
117.5°	16.0	19.9	49.9	61.8	65.8
120°	16.0	18.0	43.9	53.9	55.9
122.5°	16.0	16.0	37.9	47.9	49.9
125°	14.0	16.0	35.9	41.9	43.9
127.5°	16.0	16.0	31.9	37.9	39.9
130°	16.0	18.0	27.9	35.9	35.9
132.5°	18.0	19.9	25.9	33.9	33.9
135°	18.0	19.9	21.9	31.9	33.9
137.5°	19.9	19.9	19.9	29.9	31.9
140°	19.9	19.9	18.0	25.9	27.9
142.5°	18.0	19.9	18.0	23.9	25.9
145°	18.0	19.9	19.9	21.9	23.9
147.5°	19.9	19.9	19.9	19.9	21.9
150°	19.9	19.9	19.9	19.9	19.9
152.5°	19.9	19.9	19.9	19.9	19.9
155°	19.9	21.9	21.9	21.9	19.9
157.5°	19.9	21.9	21.9	21.9	21.9
160°	19.9	21.9	21.9	21.9	21.9
162.5°	21.9	21.9	21.9	21.9	21.9
165°	21.9	21.9	21.9	21.9	21.9
167.5°	21.9	23.9	21.9	21.9	21.9
170°	21.9	21.9	21.9	19.9	19.9
172.5°	21.9	21.9	21.9	19.9	19.9
175°	21.9	21.9	19.9	18.0	18.0
177.5°	23.9	21.9	19.9	18.0	16.0
180°	19.9	19.9	19.9	19.9	19.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	10.0	37.9	97.8	117.7	121.7
110°	12.0	31.9	81.8	99.7	103.7



(END OF REPORT)