

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: P830019

Luminaire Tested: **OHBL-24HE-A-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830019
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-24HE-A-UNV-L730-CD
Description: 24000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

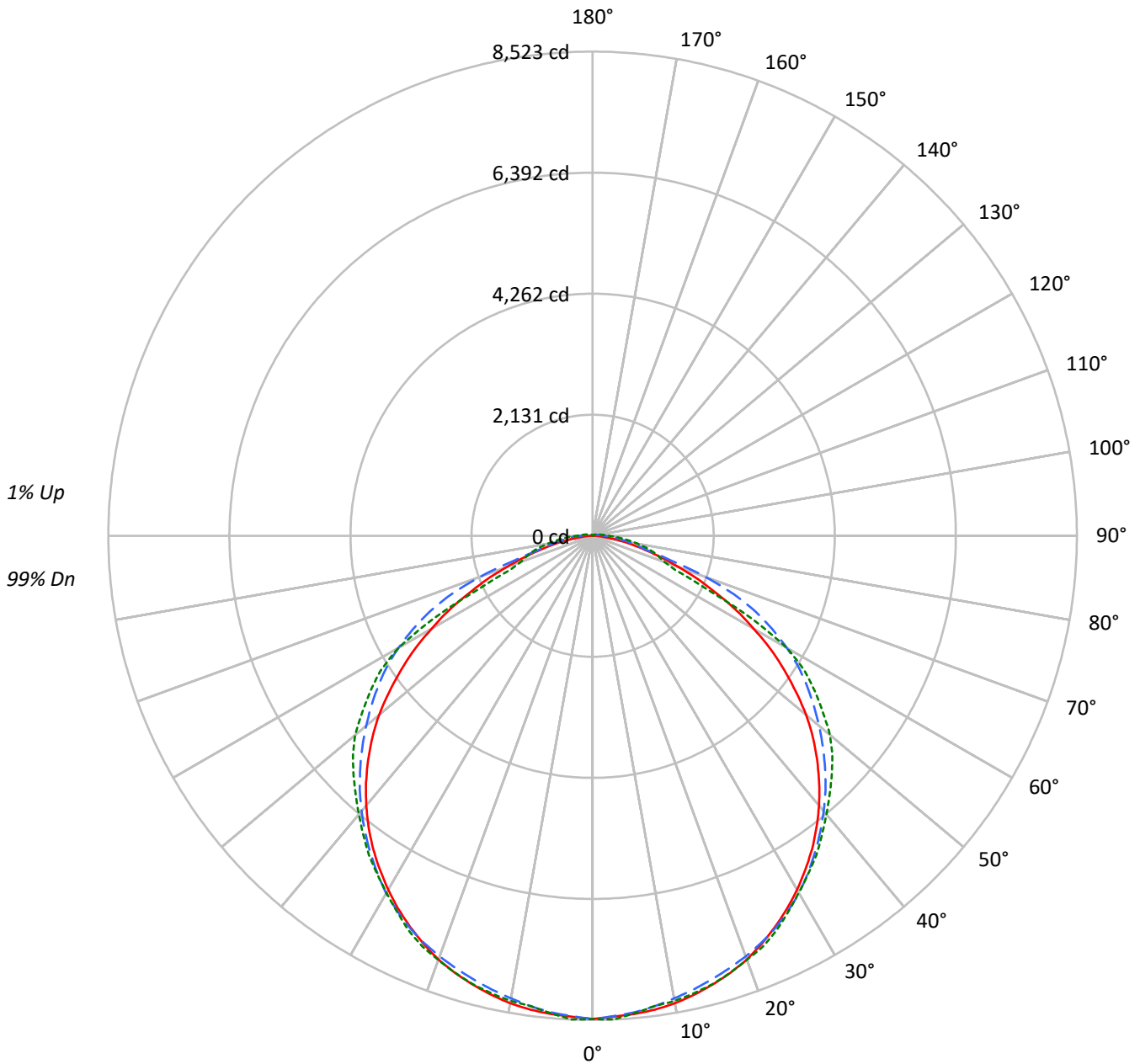
Lumens per Lamp: N/A
Luminaire Lumens: 24042.0 lumens
Efficiency: N/A
Efficacy: 180.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 133
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

TEST NUMBER: P830019

CATALOG NUMBER: OHBL-24HE-A-UNV-L730-CD

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°	13452	13452	13452
5°	13364	13257	13285
10°	13315	13056	13137
15°	13231	12906	13049
20°	13146	12811	12934
25°	12988	12716	12819
30°	12815	12566	12577
35°	12609	12327	12443
40°	12341	12081	12261
45°	11969	11797	12180
50°	11465	11472	12084
55°	10665	11153	11633
60°	9617	10687	10755
65°	8250	9820	6816
70°	6645	7666	4941
75°	4982	4551	5015
80°	3468	3784	4788
85°	1974	3467	4488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.0	3.3
10°-20°	2299.9	9.6
20°-30°	3512.6	14.6
30°-40°	4262.1	17.7
40°-50°	4467.0	18.6
50°-60°	4047.8	16.8
60°-70°	2713.9	11.3
70°-80°	1218.7	5.1
80°-90°	442.2	1.8
90°-100°	133.1	0.6
100°-110°	62.8	0.3
110°-120°	31.5	0.1
120°-130°	17.4	0.1
130°-140°	11.9	0.0
140°-150°	8.0	0.0
150°-160°	6.0	0.0
160°-170°	3.8	0.0
170°-180°	1.2	0.0
0°-30°	6614.6	27.5
0°-40°	10876.6	45.2
0°-60°	19391.5	80.7
0°-90°	23766.2	98.9
90°-120°	227.4	0.9
90°-150°	264.7	1.1
90°-180°	276.0	1.1
0°-180°	24042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8506	8506	8506	8506	8506	
5°	8451	8480	8421	8447	8436	804
15°	8176	8144	8087	8158	8168	2309
25°	7596	7563	7616	7686	7664	3501
35°	6732	6748	6817	6890	6863	4208
45°	5588	5678	5784	5932	5950	4304
55°	4112	4310	4604	4788	4777	3670
65°	2413	2791	3168	2674	2183	2404
75°	950	1378	1013	1037	1104	1038
85°	164	314	402	486	509	200
90°	1	104	208	261	273	10
95°	1	65	143	173	178	2
105°	5	28	70	85	89	6
115°	10	15	36	46	48	9
125°	9	10	22	26	27	9
135°	11	12	14	20	21	9
145°	11	12	12	14	15	7
155°	12	14	14	14	12	6
165°	14	14	14	14	14	4
175°	14	14	12	11	11	1
180°	12	12	12	12	12	



TEST NUMBER: P830019

CATALOG NUMBER: OHBL-24HE-A-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8506.1	8506.1	8506.1	8506.1	8506.1
2.5°	8471.6	8507.3	8463.0	8511.0	8523.3
5°	8450.7	8480.3	8421.2	8447.0	8436.0
7.5°	8412.6	8422.4	8352.3	8373.2	8351.1
10°	8356.0	8351.1	8268.7	8309.3	8314.2
12.5°	8272.4	8257.6	8183.8	8245.3	8246.6
15°	8176.5	8144.5	8086.7	8158.0	8167.9
17.5°	8065.8	8024.0	7985.8	8078.1	8063.3
20°	7936.6	7887.4	7880.1	7980.9	7944.0
22.5°	7776.7	7738.6	7755.8	7851.8	7828.4
25°	7595.9	7562.7	7615.6	7685.7	7663.6
27.5°	7405.3	7385.6	7445.9	7500.0	7457.0
30°	7196.2	7185.2	7265.1	7309.4	7255.3
32.5°	6968.7	6972.4	7048.6	7108.9	7058.5
35°	6732.5	6748.5	6817.4	6890.0	6862.9
37.5°	6473.0	6508.7	6577.6	6660.0	6631.7
40°	6198.8	6250.4	6326.7	6426.3	6400.5
42.5°	5902.4	5967.5	6065.9	6176.6	6174.2
45°	5587.5	5678.5	5784.3	5931.9	5950.3
47.5°	5260.3	5362.4	5496.5	5693.3	5721.6
50°	4904.9	5032.8	5200.1	5436.2	5453.4
52.5°	4508.9	4683.5	4904.9	5131.2	5110.3
55°	4111.6	4309.6	4603.6	4788.1	4777.0
57.5°	3715.6	3938.2	4294.9	4426.5	4425.2
60°	3272.8	3554.4	3944.3	4044.0	3945.6
62.5°	2863.2	3165.8	3570.4	3497.9	3160.9
65°	2413.1	2790.7	3168.3	2673.8	2183.1
67.5°	2013.4	2406.9	2691.1	1831.3	1568.1
70°	1611.2	2045.3	2098.2	1359.1	1340.6
72.5°	1254.5	1717.0	1447.6	1163.5	1222.5
75°	949.5	1377.5	1013.4	1036.8	1104.5
77.5°	692.4	1057.7	788.4	908.9	964.3
80°	476.0	749.0	643.2	763.8	801.9
82.5°	298.9	494.4	515.3	615.0	654.3
85°	163.6	313.6	402.2	485.8	509.2
87.5°	67.6	189.4	307.5	375.1	394.8
90°	1.2	104.5	207.9	260.7	273.0
92.5°	1.2	79.9	169.7	210.3	218.9
95°	1.2	65.2	142.7	173.4	178.3
97.5°	2.5	51.7	119.3	143.9	148.8
100°	3.7	43.0	99.6	120.5	124.2
102.5°	4.9	34.4	83.6	100.9	104.5
105°	4.9	28.3	70.1	84.9	88.6



TEST NUMBER: P830019

CATALOG NUMBER: OHBL-24HE-A-UNV-L730-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.6	17.2	41.8	52.9	55.3
115°	9.8	14.8	35.7	45.5	48.0
117.5°	9.8	12.3	30.7	38.1	40.6
120°	9.8	11.1	27.1	33.2	34.4
122.5°	9.8	9.8	23.4	29.5	30.7
125°	8.6	9.8	22.1	25.8	27.1
127.5°	9.8	9.8	19.7	23.4	24.6
130°	9.8	11.1	17.2	22.1	22.1
132.5°	11.1	12.3	16.0	20.9	20.9
135°	11.1	12.3	13.5	19.7	20.9
137.5°	12.3	12.3	12.3	18.4	19.7
140°	12.3	12.3	11.1	16.0	17.2
142.5°	11.1	12.3	11.1	14.8	16.0
145°	11.1	12.3	12.3	13.5	14.8
147.5°	12.3	12.3	12.3	12.3	13.5
150°	12.3	12.3	12.3	12.3	12.3
152.5°	12.3	12.3	12.3	12.3	12.3
155°	12.3	13.5	13.5	13.5	12.3
157.5°	12.3	13.5	13.5	13.5	13.5
160°	12.3	13.5	13.5	13.5	13.5
162.5°	13.5	13.5	13.5	13.5	13.5
165°	13.5	13.5	13.5	13.5	13.5
167.5°	13.5	14.8	13.5	13.5	13.5
170°	13.5	13.5	13.5	12.3	12.3
172.5°	13.5	13.5	13.5	12.3	12.3
175°	13.5	13.5	12.3	11.1	11.1
177.5°	14.8	13.5	12.3	11.1	9.8
180°	12.3	12.3	12.3	12.3	12.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.1	23.4	60.3	72.6	75.0
110°	7.4	19.7	50.4	61.5	64.0



(END OF REPORT)