

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: P830027

Luminaire Tested: **OHBL-24HE-A-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830027
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-L930-CD
Description: 24000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

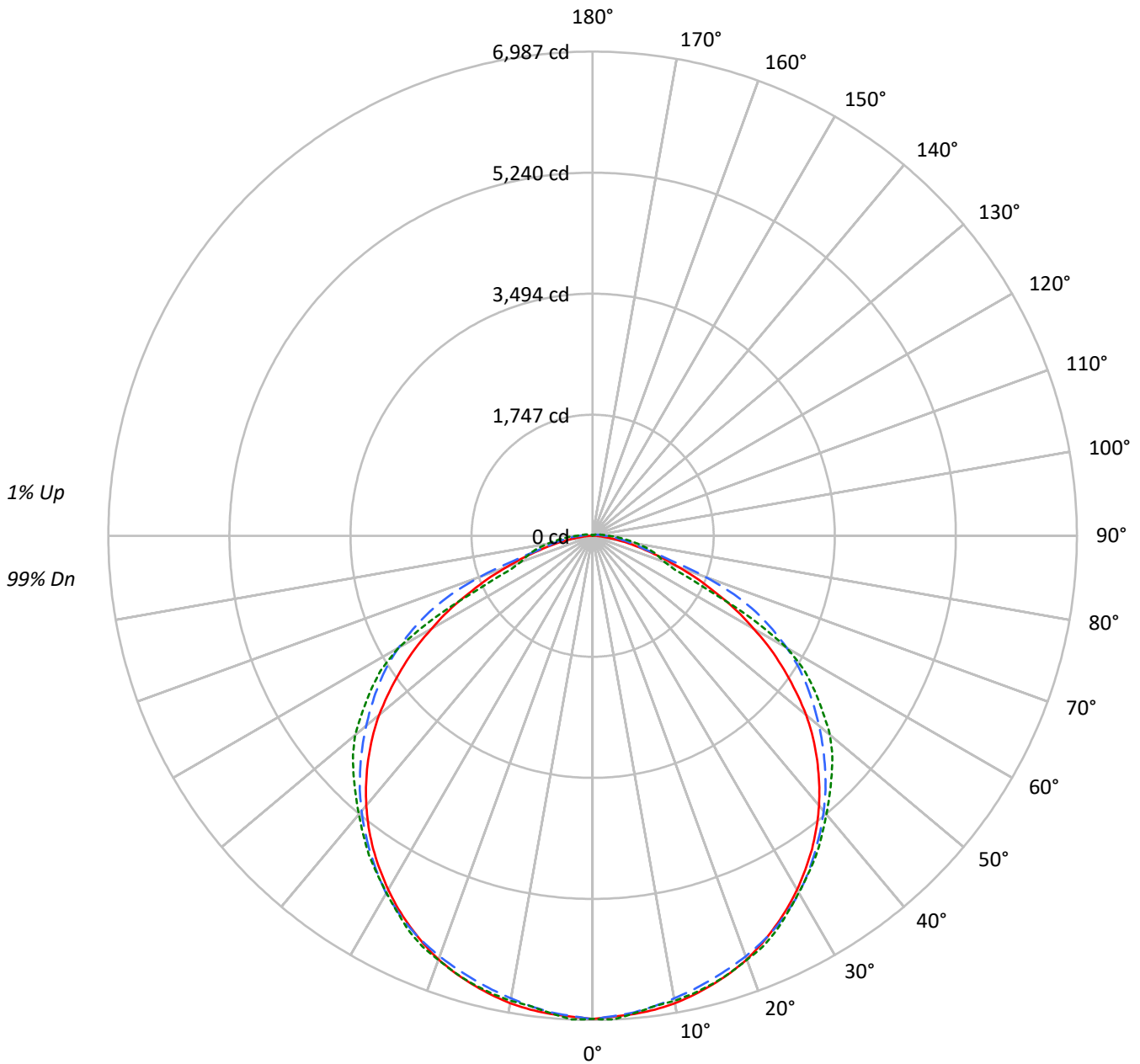
Lumens per Lamp: N/A
Luminaire Lumens: 19708.1 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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°	11027	11027	11027
5°	10955	10867	10890
10°	10915	10702	10769
15°	10846	10579	10697
20°	10776	10502	10602
25°	10646	10424	10508
30°	10505	10301	10309
35°	10336	10105	10200
40°	10116	9904	10051
45°	9811	9670	9985
50°	9398	9404	9905
55°	8742	9143	9536
60°	7884	8760	8816
65°	6763	8050	5587
70°	5447	6284	4051
75°	4084	3731	4111
80°	2843	3102	3925
85°	1618	2842	3679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	657.5	3.3
10°-20°	1885.3	9.6
20°-30°	2879.4	14.6
30°-40°	3493.7	17.7
40°-50°	3661.8	18.6
50°-60°	3318.1	16.8
60°-70°	2224.7	11.3
70°-80°	999.0	5.1
80°-90°	362.5	1.8
90°-100°	109.1	0.6
100°-110°	51.5	0.3
110°-120°	25.8	0.1
120°-130°	14.2	0.1
130°-140°	9.8	0.0
140°-150°	6.6	0.0
150°-160°	4.9	0.0
160°-170°	3.1	0.0
170°-180°	1.0	0.0
0°-30°	5422.2	27.5
0°-40°	8915.9	45.2
0°-60°	15895.8	80.7
0°-90°	19482.0	98.9
90°-120°	186.4	0.9
90°-150°	217.0	1.1
90°-180°	226.0	1.1
0°-180°	19708.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6973	6973	6973	6973	6973	
5°	6927	6952	6903	6924	6915	659
15°	6702	6676	6629	6687	6696	1892
25°	6227	6199	6243	6300	6282	2870
35°	5519	5532	5588	5648	5626	3449
45°	4580	4655	4742	4862	4878	3528
55°	3370	3533	3774	3925	3916	3009
65°	1978	2288	2597	2192	1790	1971
75°	778	1129	831	850	905	851
85°	134	257	330	398	417	164
90°	1	86	170	214	224	8
95°	1	53	117	142	146	1
105°	4	23	58	70	73	5
115°	8	12	29	37	39	8
125°	7	8	18	21	22	7
135°	9	10	11	16	17	7
145°	9	10	10	11	12	6
155°	10	11	11	11	10	5
165°	11	11	11	11	11	3
175°	11	11	10	9	9	1
180°	10	10	10	10	10	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6972.7	6972.7	6972.7	6972.7	6972.7
2.5°	6944.5	6973.7	6937.4	6976.7	6986.8
5°	6927.3	6951.5	6903.1	6924.3	6915.2
7.5°	6896.1	6904.1	6846.7	6863.8	6845.7
10°	6849.7	6845.7	6778.1	6811.4	6815.4
12.5°	6781.1	6769.1	6708.6	6759.0	6760.0
15°	6702.5	6676.3	6628.9	6687.4	6695.5
17.5°	6611.8	6577.5	6546.2	6621.9	6609.8
20°	6505.9	6465.6	6459.5	6542.2	6512.0
22.5°	6374.8	6343.6	6357.7	6436.3	6417.2
25°	6226.6	6199.4	6242.8	6300.2	6282.1
27.5°	6070.4	6054.2	6103.6	6148.0	6112.7
30°	5899.0	5889.9	5955.4	5991.7	5947.4
32.5°	5712.5	5715.5	5778.0	5827.4	5786.1
35°	5518.9	5532.0	5588.4	5647.9	5625.8
37.5°	5306.2	5335.4	5391.9	5459.4	5436.2
40°	5081.3	5123.7	5186.2	5267.8	5246.7
42.5°	4838.3	4891.8	4972.4	5063.2	5061.2
45°	4580.2	4654.9	4741.6	4862.5	4877.7
47.5°	4312.1	4395.7	4505.6	4667.0	4690.1
50°	4020.7	4125.6	4262.7	4456.2	4470.4
52.5°	3696.1	3839.2	4020.7	4206.2	4189.1
55°	3370.4	3532.7	3773.7	3924.9	3915.8
57.5°	3045.8	3228.3	3520.6	3628.5	3627.5
60°	2682.8	2913.7	3233.3	3315.0	3234.3
62.5°	2347.1	2595.1	2926.8	2867.3	2591.1
65°	1978.1	2287.6	2597.1	2191.8	1789.6
67.5°	1650.4	1973.0	2205.9	1501.2	1285.5
70°	1320.7	1676.6	1720.0	1114.1	1098.9
72.5°	1028.4	1407.4	1186.7	953.8	1002.2
75°	778.3	1129.2	830.8	849.9	905.4
77.5°	567.6	867.1	646.3	745.1	790.4
80°	390.2	614.0	527.3	626.1	657.3
82.5°	245.0	405.3	422.4	504.1	536.4
85°	134.1	257.1	329.7	398.2	417.4
87.5°	55.5	155.3	252.0	307.5	323.6
90°	1.0	85.7	170.4	213.7	223.8
92.5°	1.0	65.5	139.1	172.4	179.5
95°	1.0	53.4	117.0	142.2	146.2
97.5°	2.0	42.3	97.8	118.0	122.0
100°	3.0	35.3	81.7	98.8	101.8
102.5°	4.0	28.2	68.6	82.7	85.7
105°	4.0	23.2	57.5	69.6	72.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.1	14.1	34.3	43.4	45.4
115°	8.1	12.1	29.2	37.3	39.3
117.5°	8.1	10.1	25.2	31.3	33.3
120°	8.1	9.1	22.2	27.2	28.2
122.5°	8.1	8.1	19.2	24.2	25.2
125°	7.1	8.1	18.1	21.2	22.2
127.5°	8.1	8.1	16.1	19.2	20.2
130°	8.1	9.1	14.1	18.1	18.1
132.5°	9.1	10.1	13.1	17.1	17.1
135°	9.1	10.1	11.1	16.1	17.1
137.5°	10.1	10.1	10.1	15.1	16.1
140°	10.1	10.1	9.1	13.1	14.1
142.5°	9.1	10.1	9.1	12.1	13.1
145°	9.1	10.1	10.1	11.1	12.1
147.5°	10.1	10.1	10.1	10.1	11.1
150°	10.1	10.1	10.1	10.1	10.1
152.5°	10.1	10.1	10.1	10.1	10.1
155°	10.1	11.1	11.1	11.1	10.1
157.5°	10.1	11.1	11.1	11.1	11.1
160°	10.1	11.1	11.1	11.1	11.1
162.5°	11.1	11.1	11.1	11.1	11.1
165°	11.1	11.1	11.1	11.1	11.1
167.5°	11.1	12.1	11.1	11.1	11.1
170°	11.1	11.1	11.1	10.1	10.1
172.5°	11.1	11.1	11.1	10.1	10.1
175°	11.1	11.1	10.1	9.1	9.1
177.5°	12.1	11.1	10.1	9.1	8.1
180°	10.1	10.1	10.1	10.1	10.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	5.0	19.2	49.4	59.5	61.5
110°	6.0	16.1	41.3	50.4	52.4



(END OF REPORT)