

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: P830519

Luminaire Tested: **OHBL-48HE-W-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-48HE-W-UNV-L930-CD
Description: 48000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

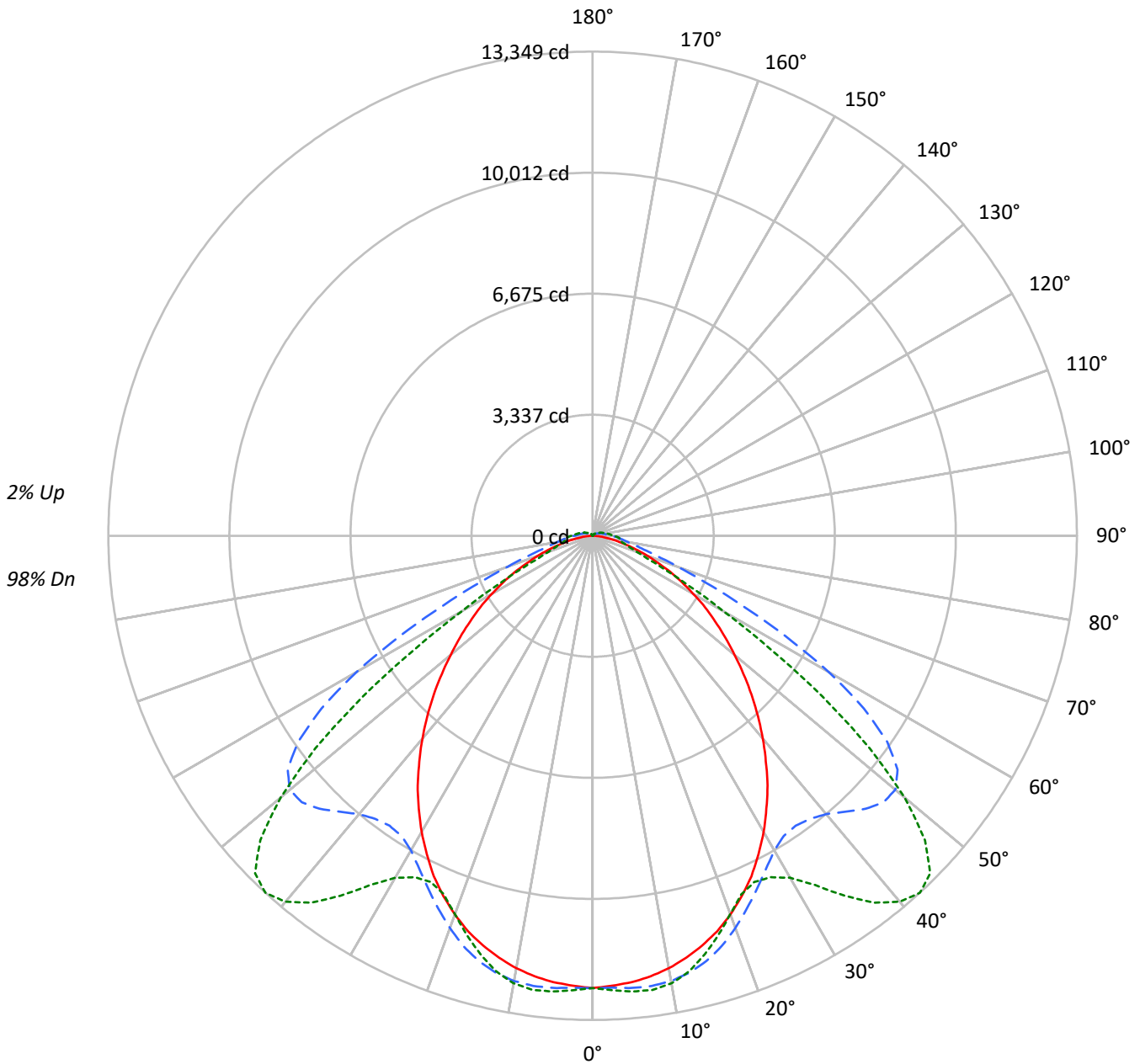
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37336.0 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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				20				20
RC	80				70				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	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19720	19720	19720
5°	19537	19702	19861
10°	19291	19680	19800
15°	18915	19364	19083
20°	18400	18707	18068
25°	17710	17910	17623
30°	16792	17319	18869
35°	15745	17649	21959
40°	14531	19126	25232
45°	13260	21711	26935
50°	11936	24026	24864
55°	10691	24019	18815
60°	9423	20343	11366
65°	8085	14067	6778
70°	6569	9112	4790
75°	4997	6548	4300
80°	3587	5777	4594
85°	2435	6401	6474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1191.6	3.2
10°-20°	3374.3	9.0
20°-30°	4937.7	13.2
30°-40°	6412.6	17.2
40°-50°	7830.6	21.0
50°-60°	6896.1	18.5
60°-70°	3593.6	9.6
70°-80°	1541.0	4.1
80°-90°	740.1	2.0
90°-100°	347.7	0.9
100°-110°	216.1	0.6
110°-120°	127.8	0.3
120°-130°	69.5	0.2
130°-140°	34.8	0.1
140°-150°	16.8	0.0
150°-160°	5.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9503.5	25.5
0°-40°	15916.1	42.6
0°-60°	30642.8	82.1
0°-90°	36517.5	97.8
90°-120°	691.6	1.9
90°-150°	812.6	2.2
90°-180°	818.0	2.2
0°-180°	37336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12470	12470	12470	12470	12470	
5°	12354	12448	12515	12626	12612	###
15°	11689	12018	12133	12042	11945	3291
25°	10358	10912	10726	10524	10535	4753
35°	8407	9295	9760	11383	12112	5240
45°	6190	7788	10646	12889	13158	4773
55°	4122	6823	9914	8692	7726	3699
65°	2365	4727	4538	2524	2171	2340
75°	952	2211	1458	998	947	1039
85°	202	788	742	726	734	225
90°	3	285	490	560	573	14
95°	5	167	390	457	471	4
105°	11	94	253	304	309	11
115°	16	54	156	191	196	17
125°	19	27	92	118	121	16
135°	16	16	43	73	75	12
145°	22	16	19	35	40	13
155°	22	22	16	16	16	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12469.5	12469.5	12469.5	12469.5	12469.5
2.5°	12415.7	12469.5	12472.2	12547.6	12539.5
5°	12353.9	12448.0	12515.3	12625.6	12612.1
7.5°	12251.6	12399.6	12518.0	12639.0	12628.3
10°	12106.4	12308.1	12464.2	12563.7	12531.4
12.5°	11918.0	12184.4	12337.7	12359.2	12297.4
15°	11689.4	12017.6	12133.3	12041.8	11944.9
17.5°	11431.1	11815.8	11856.2	11657.1	11536.0
20°	11108.3	11546.8	11506.4	11232.0	11097.5
22.5°	10750.4	11250.8	11121.7	10833.8	10704.7
25°	10357.7	10911.9	10726.2	10524.5	10535.2
27.5°	9897.6	10527.1	10346.9	10438.4	10610.5
30°	9429.5	10123.6	10013.3	10546.0	10885.0
32.5°	8915.7	9709.3	9808.8	10860.7	11414.9
35°	8407.2	9295.0	9760.4	11382.7	12111.7
37.5°	7844.9	8875.3	9838.4	11985.3	12749.3
40°	7298.8	8466.4	10016.0	12526.0	13171.7
42.5°	6741.9	8100.5	10314.6	12846.2	13349.3
45°	6190.4	7788.4	10645.5	12889.2	13158.3
47.5°	5638.9	7524.8	10874.2	12547.6	12423.8
50°	5106.2	7290.7	10890.3	11727.0	11221.2
52.5°	4608.5	7075.5	10594.4	10419.5	9634.0
55°	4121.5	6822.6	9913.8	8692.4	7726.5
57.5°	3677.6	6472.9	8864.5	6836.1	5781.5
60°	3206.8	5999.4	7508.6	5001.3	4170.0
62.5°	2773.7	5410.2	5988.6	3481.2	2997.0
65°	2364.8	4726.9	4538.5	2523.5	2171.1
67.5°	1931.6	4019.3	3349.4	1840.2	1614.2
70°	1592.7	3362.9	2493.9	1431.2	1299.4
72.5°	1245.6	2738.7	1864.4	1162.2	1089.6
75°	952.4	2211.4	1458.1	998.1	947.0
77.5°	702.2	1748.7	1173.0	882.4	834.0
80°	492.3	1377.4	982.0	788.3	769.4
82.5°	330.9	1065.4	836.7	750.6	753.3
85°	201.8	788.3	742.5	726.4	734.5
87.5°	96.9	559.6	637.6	661.8	669.9
90°	2.7	285.2	489.6	559.6	573.0
92.5°	0.0	217.9	430.4	500.4	513.8
95°	5.4	166.8	390.1	457.4	470.8
97.5°	5.4	137.2	349.7	419.7	427.8
100°	8.1	118.4	312.1	379.3	387.4
102.5°	8.1	104.9	279.8	339.0	344.4
105°	10.8	94.2	252.9	304.0	309.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	16.1	64.6	177.6	215.2	220.6
115°	16.1	53.8	156.0	191.0	196.4
117.5°	18.8	48.4	137.2	169.5	172.2
120°	18.8	40.4	118.4	150.7	153.3
122.5°	18.8	32.3	104.9	134.5	137.2
125°	18.8	26.9	91.5	118.4	121.1
127.5°	16.1	18.8	78.0	104.9	107.6
130°	16.1	16.1	64.6	91.5	96.9
132.5°	16.1	16.1	53.8	80.7	86.1
135°	16.1	16.1	43.0	72.6	75.3
137.5°	16.1	16.1	35.0	61.9	67.3
140°	16.1	16.1	26.9	53.8	56.5
142.5°	18.8	16.1	24.2	45.7	48.4
145°	21.5	16.1	18.8	35.0	40.4
147.5°	21.5	18.8	18.8	29.6	32.3
150°	21.5	21.5	16.1	21.5	26.9
152.5°	21.5	21.5	16.1	16.1	21.5
155°	21.5	21.5	16.1	16.1	16.1
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	13.5	83.4	226.0	271.7	277.1
110°	13.5	72.6	199.1	242.1	247.5



(END OF REPORT)