

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: P830520

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830520
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-L935-CD
Description: 48000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

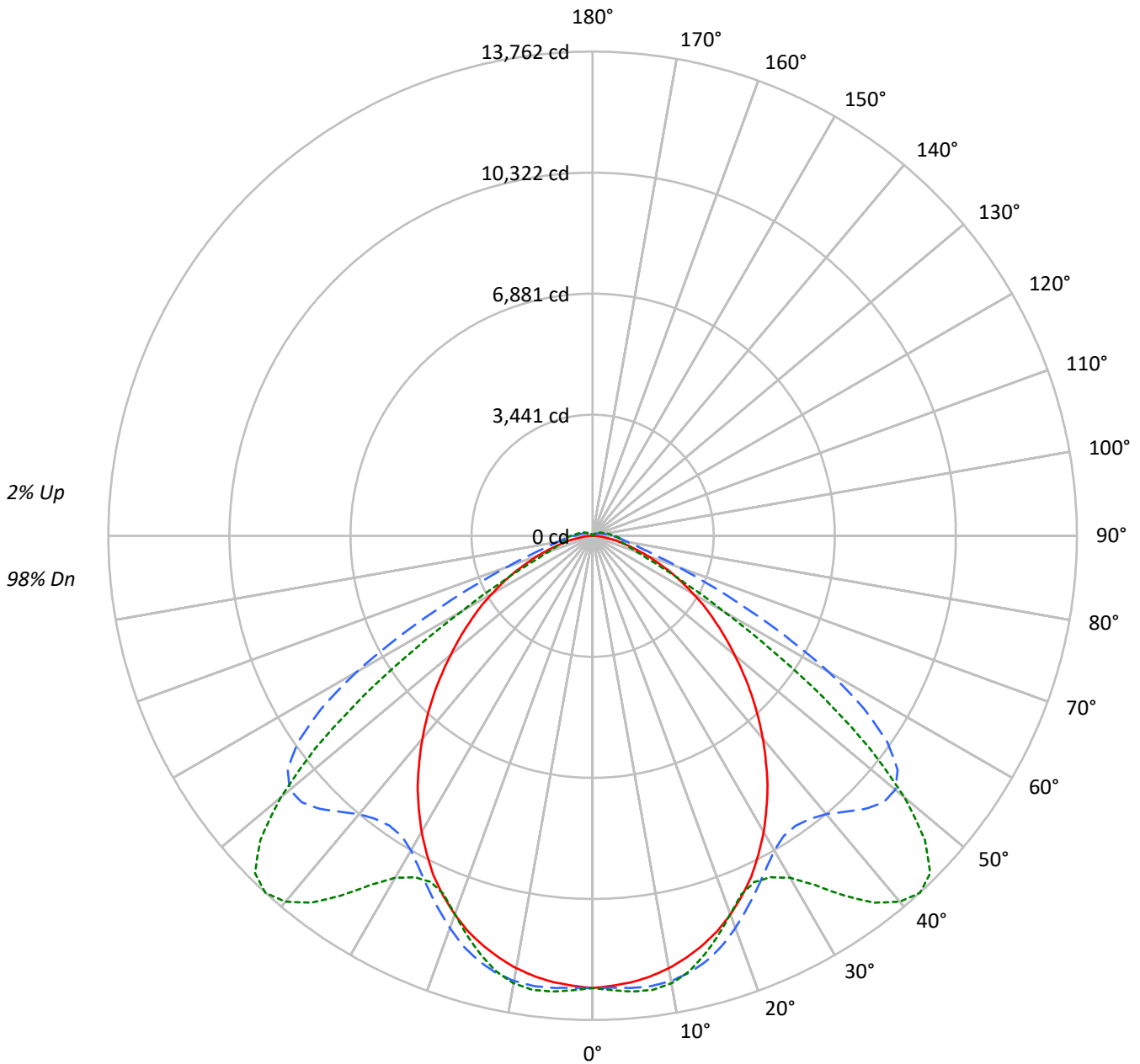
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38491.0 lumens
Efficiency: N/A
Efficacy: 144.7 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									
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	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20330	20330	20330
5°	20141	20311	20475
10°	19888	20289	20413
15°	19500	19963	19674
20°	18969	19286	18627
25°	18258	18464	18168
30°	17312	17855	19452
35°	16232	18195	22639
40°	14980	19718	26012
45°	13671	22382	27768
50°	12305	24769	25633
55°	11021	24762	19397
60°	9715	20973	11718
65°	8335	14503	6988
70°	6772	9394	4938
75°	5152	6751	4433
80°	3698	5955	4736
85°	2510	6599	6674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1228.5	3.2
10°-20°	3478.7	9.0
20°-30°	5090.4	13.2
30°-40°	6611.0	17.2
40°-50°	8072.8	21.0
50°-60°	7109.4	18.5
60°-70°	3704.7	9.6
70°-80°	1588.7	4.1
80°-90°	763.0	2.0
90°-100°	358.5	0.9
100°-110°	222.8	0.6
110°-120°	131.7	0.3
120°-130°	71.6	0.2
130°-140°	35.9	0.1
140°-150°	17.3	0.0
150°-160°	6.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9797.5	25.5
0°-40°	16408.5	42.6
0°-60°	31590.7	82.1
0°-90°	37647.2	97.8
90°-120°	713.0	1.9
90°-150°	837.8	2.2
90°-180°	844.0	2.2
0°-180°	38491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12855	12855	12855	12855	12855	
5°	12736	12833	12902	13016	13002	###
15°	12051	12389	12509	12414	12314	3393
25°	10678	11249	11058	10850	10861	4900
35°	8667	9582	10062	11735	12486	5402
45°	6382	8029	10975	13288	13565	4921
55°	4249	7034	10220	8961	7966	3813
65°	2438	4873	4679	2602	2238	2412
75°	982	2280	1503	1029	976	1071
85°	208	813	766	749	757	232
90°	3	294	505	577	591	14
95°	6	172	402	472	485	4
105°	11	97	261	313	319	12
115°	17	56	161	197	202	17
125°	19	28	94	122	125	16
135°	17	17	44	75	78	13
145°	22	17	19	36	42	13
155°	22	22	17	17	17	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°	12855.3	12855.3	12855.3	12855.3	12855.3
2.5°	12799.8	12855.3	12858.1	12935.7	12927.4
5°	12736.0	12833.1	12902.4	13016.2	13002.3
7.5°	12630.6	12783.2	12905.2	13030.0	13018.9
10°	12480.9	12688.9	12849.7	12952.4	12919.1
12.5°	12286.7	12561.3	12719.4	12741.6	12677.8
15°	12051.0	12389.3	12508.6	12414.3	12314.5
17.5°	11784.7	12181.3	12222.9	12017.7	11892.9
20°	11451.9	11904.0	11862.4	11579.5	11440.8
22.5°	11083.0	11598.9	11465.8	11169.0	11035.9
25°	10678.1	11249.4	11058.0	10850.0	10861.1
27.5°	10203.8	10852.8	10667.0	10761.3	10938.8
30°	9721.2	10436.8	10323.1	10872.2	11221.7
32.5°	9191.5	10009.7	10112.3	11196.7	11768.1
35°	8667.3	9582.5	10062.4	11734.8	12486.4
37.5°	8087.6	9149.9	10142.8	12356.1	13143.7
40°	7524.6	8728.3	10325.8	12913.5	13579.2
42.5°	6950.5	8351.1	10633.7	13243.6	13762.2
45°	6381.9	8029.4	10974.8	13288.0	13565.3
47.5°	5813.3	7757.6	11210.6	12935.7	12808.1
50°	5264.2	7516.3	11227.2	12089.8	11568.4
52.5°	4751.0	7294.4	10922.1	10741.9	9932.0
55°	4249.0	7033.7	10220.4	8961.3	7965.6
57.5°	3791.4	6673.1	9138.8	7047.5	5960.3
60°	3306.0	6185.0	7740.9	5156.0	4299.0
62.5°	2859.5	5577.6	6173.9	3588.9	3089.7
65°	2437.9	4873.1	4678.9	2601.6	2238.2
67.5°	1991.4	4143.6	3453.0	1897.1	1664.1
70°	1641.9	3466.9	2571.1	1475.5	1339.6
72.5°	1284.1	2823.4	1922.1	1198.2	1123.3
75°	981.8	2279.8	1503.3	1029.0	976.3
77.5°	723.9	1802.8	1209.3	909.7	859.8
80°	507.6	1420.0	1012.3	812.6	793.2
82.5°	341.1	1098.3	862.6	773.8	776.6
85°	208.0	812.6	765.5	748.9	757.2
87.5°	99.8	576.9	657.3	682.3	690.6
90°	2.8	294.0	504.8	576.9	590.8
92.5°	0.0	224.7	443.8	515.9	529.7
95°	5.5	172.0	402.2	471.5	485.4
97.5°	5.5	141.4	360.6	432.7	441.0
100°	8.3	122.0	321.7	391.1	399.4
102.5°	8.3	108.2	288.4	349.5	355.0
105°	11.1	97.1	260.7	313.4	319.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	16.6	66.6	183.1	221.9	227.4
115°	16.6	55.5	160.9	196.9	202.5
117.5°	19.4	49.9	141.4	174.7	177.5
120°	19.4	41.6	122.0	155.3	158.1
122.5°	19.4	33.3	108.2	138.7	141.4
125°	19.4	27.7	94.3	122.0	124.8
127.5°	16.6	19.4	80.4	108.2	110.9
130°	16.6	16.6	66.6	94.3	99.8
132.5°	16.6	16.6	55.5	83.2	88.8
135°	16.6	16.6	44.4	74.9	77.7
137.5°	16.6	16.6	36.1	63.8	69.3
140°	16.6	16.6	27.7	55.5	58.2
142.5°	19.4	16.6	25.0	47.1	49.9
145°	22.2	16.6	19.4	36.1	41.6
147.5°	22.2	19.4	19.4	30.5	33.3
150°	22.2	22.2	16.6	22.2	27.7
152.5°	22.2	22.2	16.6	16.6	22.2
155°	22.2	22.2	16.6	16.6	16.6
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°	13.9	86.0	233.0	280.1	285.7
110°	13.9	74.9	205.2	249.6	255.2



(END OF REPORT)