

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: P830651

Luminaire Tested: **OHBL-60HE-NL-UNV-L930-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60HE-NL-UNV-L930-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

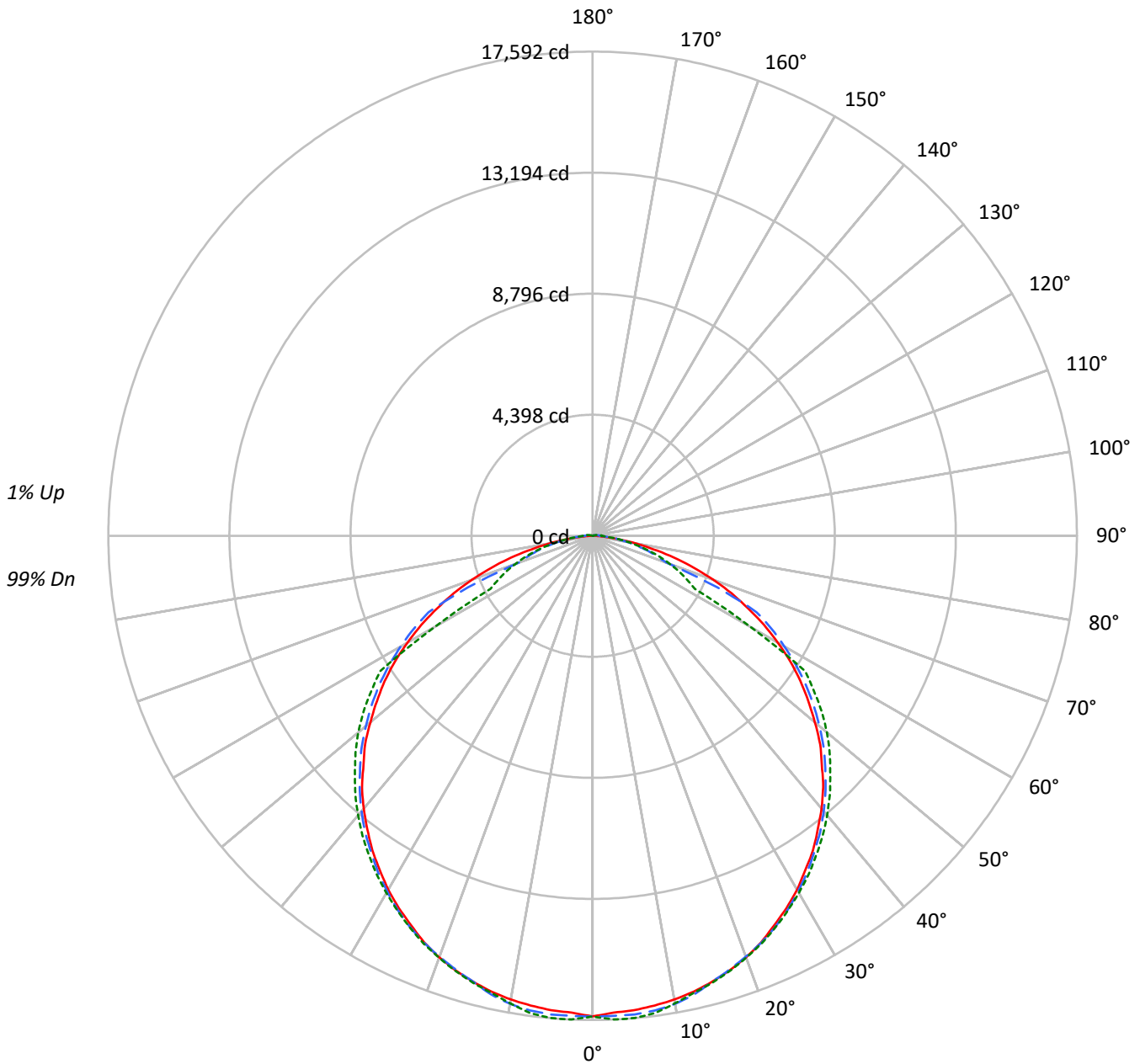
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49031.0 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 338
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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27618	27618	27618
5°	27466	27714	27923
10°	27473	27734	27700
15°	27469	27464	27524
20°	27431	27390	27457
25°	27244	27382	27404
30°	27117	27257	27364
35°	26942	27090	27344
40°	26709	26962	27361
45°	26324	26722	27304
50°	25927	26456	27330
55°	25431	26090	27029
60°	24579	25452	21042
65°	23255	24607	14162
70°	21509	13063	13744
75°	18761	12414	13125
80°	14428	11387	12028
85°	7282	11510	11785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1659.1	3.4
10°-20°	4750.5	9.7
20°-30°	7228.2	14.7
30°-40°	8788.5	17.9
40°-50°	9240.7	18.8
50°-60°	8437.9	17.2
60°-70°	5409.1	11.0
70°-80°	2555.2	5.2
80°-90°	708.5	1.4
90°-100°	187.6	0.4
100°-110°	51.4	0.1
110°-120°	14.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	13637.8	27.8
0°-40°	22426.3	45.7
0°-60°	40104.9	81.8
0°-90°	48777.8	99.5
90°-120°	253.2	0.5
90°-150°	253.2	0.5
90°-180°	253.0	0.5
0°-180°	49031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17464	17464	17464	17464	17464	
5°	17301	17368	17457	17552	17589	###
15°	16777	16903	16774	16798	16811	4736
25°	15613	15637	15692	15717	15704	7204
35°	13955	13872	14032	14203	14163	8721
45°	11770	11748	11948	12230	12208	9097
55°	9224	9153	9463	9778	9803	8226
65°	6214	6214	6576	3772	3784	6161
75°	3070	3129	2032	2139	2148	3237
85°	401	509	634	686	650	593
90°	0	172	282	334	328	18
95°	9	89	202	273	273	5
105°	15	34	49	49	46	15
115°	15	21	30	21	3	11
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17463.6	17463.6	17463.6	17463.6	17463.6
2.5°	17340.9	17399.3	17463.6	17546.3	17592.1
5°	17301.0	17368.5	17457.4	17552.5	17589.1
7.5°	17215.4	17310.1	17396.1	17463.6	17485.0
10°	17108.0	17221.6	17270.5	17264.4	17249.1
12.5°	16964.0	17083.7	17068.4	16997.7	17010.0
15°	16777.1	16902.6	16774.2	16798.5	16810.8
17.5°	16556.5	16679.1	16528.9	16577.9	16581.1
20°	16299.2	16391.0	16274.6	16314.5	16314.5
22.5°	15989.7	16053.9	16005.0	16032.5	16038.7
25°	15612.7	15637.1	15692.2	15716.9	15704.5
27.5°	15251.3	15220.5	15327.9	15385.9	15355.1
30°	14849.7	14800.7	14926.2	15021.3	14984.6
32.5°	14390.0	14359.5	14503.5	14616.7	14595.3
35°	13954.9	13872.2	14031.5	14203.1	14163.2
37.5°	13440.0	13391.0	13571.8	13752.8	13731.4
40°	12937.5	12854.8	13060.1	13274.6	13253.2
42.5°	12398.3	12300.0	12523.9	12781.4	12756.8
45°	11769.9	11748.5	11947.7	12229.6	12208.2
47.5°	11212.5	11105.1	11383.8	11656.7	11681.3
50°	10538.0	10498.5	10752.8	11083.7	11108.1
52.5°	9879.5	9851.9	10118.2	10452.4	10495.2
55°	9223.5	9153.1	9462.6	9778.2	9802.9
57.5°	8522.0	8448.4	8764.1	9107.3	9159.2
60°	7771.0	7700.6	8046.8	8365.7	6652.7
62.5°	7020.3	6971.3	7333.0	5194.1	4186.1
65°	6214.4	6214.4	6575.8	3772.1	3784.4
67.5°	5460.8	5411.8	4903.1	3389.0	3389.0
70°	4651.6	4670.1	2825.1	2969.5	2972.4
72.5°	3839.6	3907.1	2439.4	2555.5	2561.7
75°	3070.4	3128.8	2031.6	2138.9	2148.0
77.5°	2255.4	1734.4	1633.2	1716.2	1719.1
80°	1584.2	1094.0	1250.3	1329.8	1320.7
82.5°	925.3	766.0	916.2	974.6	971.3
85°	401.3	508.7	634.3	686.5	649.5
87.5°	128.5	315.7	395.2	426.0	422.7
90°	0.0	171.6	281.9	333.8	328.0
92.5°	0.0	134.6	245.3	306.6	309.5
95°	9.1	88.9	202.4	272.8	272.8
97.5°	6.2	64.2	144.0	214.4	220.6
100°	6.2	51.9	95.1	153.1	156.4
102.5°	15.2	42.8	58.1	98.0	101.2
105°	15.2	33.7	49.0	49.0	46.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.5	24.7	33.7	24.7	2.9
115°	15.2	21.4	30.5	21.4	2.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	15.2	30.5	42.8	27.6	9.1
110°	18.5	27.6	36.7	24.7	2.9



(END OF REPORT)