

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: P830615

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830615
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-60HE-MCL-UNV-L930-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

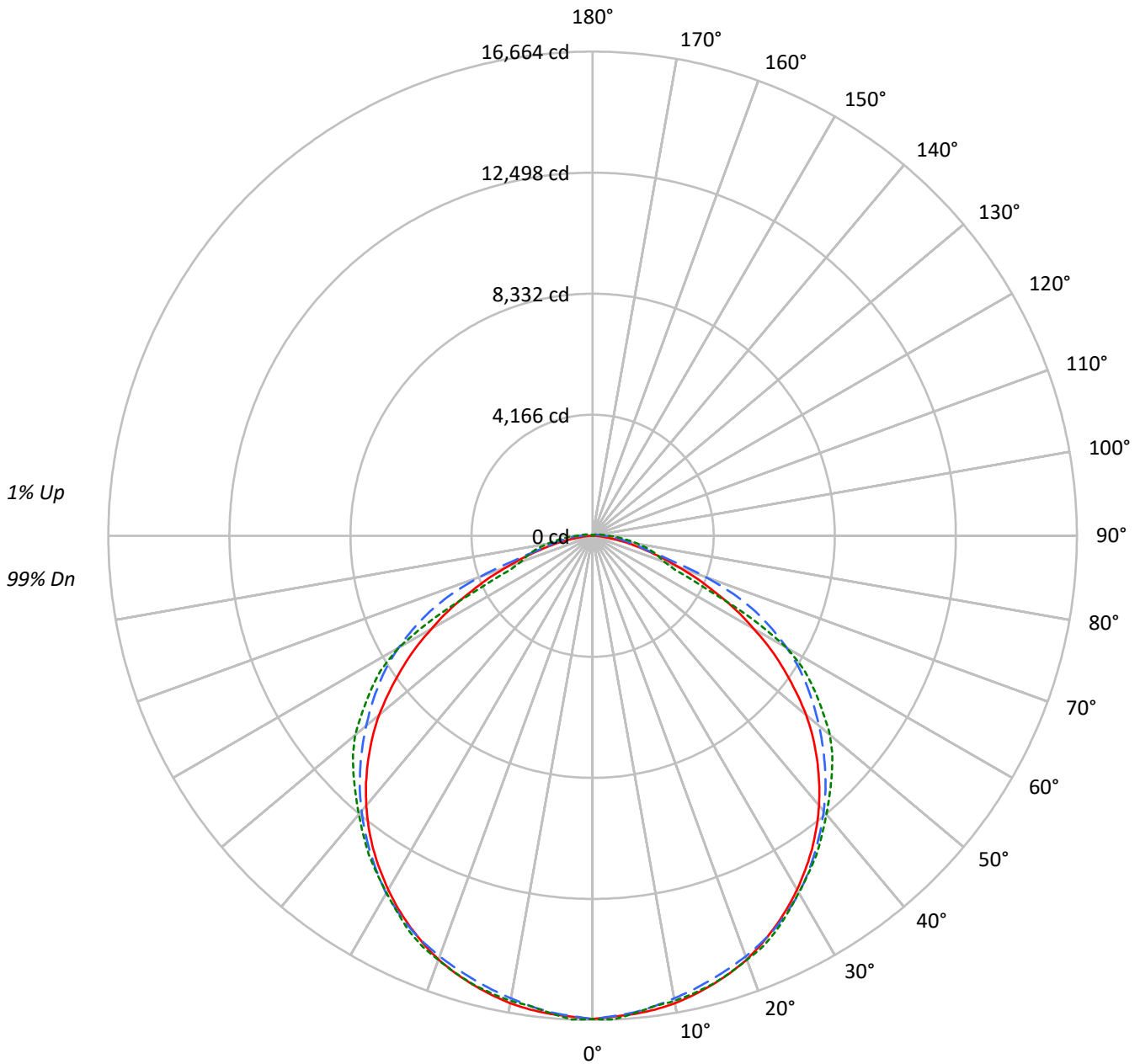
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47006.0 lumens
Efficiency: N/A
Efficacy: 139.1 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): 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	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°	26301	26301	26301
5°	26129	25919	25974
10°	26033	25527	25685
15°	25868	25233	25513
20°	25703	25048	25287
25°	25393	24862	25063
30°	25056	24568	24589
35°	24652	24102	24328
40°	24128	23621	23972
45°	23401	23064	23814
50°	22417	22430	23625
55°	20852	21807	22744
60°	18804	20894	21027
65°	16130	19200	13326
70°	12992	14989	9661
75°	9741	8898	9806
80°	6780	7398	9362
85°	3859	6779	8775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1568.1	3.3
10°-20°	4496.6	9.6
20°-30°	6867.8	14.6
30°-40°	8333.0	17.7
40°-50°	8733.8	18.6
50°-60°	7914.1	16.8
60°-70°	5306.1	11.3
70°-80°	2382.7	5.1
80°-90°	864.6	1.8
90°-100°	260.3	0.6
100°-110°	122.8	0.3
110°-120°	61.5	0.1
120°-130°	33.9	0.1
130°-140°	23.3	0.0
140°-150°	15.7	0.0
150°-160°	11.7	0.0
160°-170°	7.5	0.0
170°-180°	2.4	0.0
0°-30°	12932.6	27.5
0°-40°	21265.6	45.2
0°-60°	37913.4	80.7
0°-90°	46466.8	98.9
90°-120°	444.6	0.9
90°-150°	517.6	1.1
90°-180°	539.0	1.1
0°-180°	47006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16631	16631	16631	16631	16631	
5°	16523	16580	16465	16515	16494	###
15°	15986	15924	15811	15950	15970	4514
25°	14851	14786	14890	15027	14984	6846
35°	13163	13194	13329	13471	13418	8227
45°	10924	11102	11309	11598	11634	8416
55°	8039	8426	9001	9361	9340	7176
65°	4718	5456	6194	5228	4268	4701
75°	1856	2693	1982	2027	2159	2029
85°	320	613	786	950	996	390
90°	2	204	406	510	534	19
95°	2	127	279	339	349	3
105°	10	55	137	166	173	11
115°	19	29	70	89	94	18
125°	17	19	43	50	53	17
135°	22	24	26	38	41	17
145°	22	24	24	26	29	14
155°	24	26	26	26	24	11
165°	26	26	26	26	26	7
175°	26	26	24	22	22	3
180°	24	24	24	24	24	



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CATALOG NUMBER: OHBL-60HE-MCL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16630.8	16630.8	16630.8	16630.8	16630.8
2.5°	16563.4	16633.2	16546.6	16640.4	16664.4
5°	16522.6	16580.3	16464.8	16515.3	16493.7
7.5°	16448.0	16467.2	16330.2	16371.1	16327.8
10°	16337.4	16327.8	16166.7	16246.0	16255.6
12.5°	16173.9	16145.0	16000.7	16121.0	16123.4
15°	15986.3	15923.8	15810.8	15950.2	15969.5
17.5°	15769.9	15688.1	15613.6	15793.9	15765.1
20°	15517.4	15421.2	15406.8	15604.0	15531.8
22.5°	15204.8	15130.2	15163.9	15351.5	15305.8
25°	14851.3	14786.4	14889.8	15026.8	14983.6
27.5°	14478.6	14440.1	14557.9	14663.7	14579.6
30°	14069.8	14048.1	14204.4	14291.0	14185.2
32.5°	13624.9	13632.1	13781.2	13899.0	13800.5
35°	13163.2	13194.5	13329.1	13471.0	13418.1
37.5°	12655.8	12725.6	12860.2	13021.3	12966.0
40°	12119.6	12220.6	12369.7	12564.4	12514.0
42.5°	11540.1	11667.5	11859.9	12076.3	12071.5
45°	10924.5	11102.4	11309.2	11597.8	11633.8
47.5°	10284.8	10484.4	10746.5	11131.3	11186.6
50°	9589.9	9839.9	10167.0	10628.7	10662.3
52.5°	8815.6	9157.0	9589.9	10032.3	9991.4
55°	8038.8	8426.0	9000.7	9361.4	9339.8
57.5°	7264.5	7699.8	8397.1	8654.4	8652.0
60°	6398.9	6949.5	7711.8	7906.6	7714.2
62.5°	5598.1	6189.6	6980.8	6838.9	6180.0
65°	4718.0	5456.2	6194.5	5227.8	4268.3
67.5°	3936.5	4706.0	5261.4	3580.6	3066.0
70°	3150.1	3999.0	4102.4	2657.2	2621.1
72.5°	2452.8	3356.9	2830.3	2274.8	2390.3
75°	1856.4	2693.2	1981.5	2027.1	2159.4
77.5°	1353.8	2068.0	1541.4	1777.1	1885.3
80°	930.6	1464.4	1257.6	1493.3	1567.9
82.5°	584.3	966.7	1007.6	1202.3	1279.3
85°	319.8	613.2	786.3	949.8	995.5
87.5°	132.3	370.3	601.2	733.4	771.9
90°	2.4	204.4	406.4	509.8	533.8
92.5°	2.4	156.3	331.8	411.2	428.0
95°	2.4	127.4	278.9	339.1	348.7
97.5°	4.8	101.0	233.3	281.3	291.0
100°	7.2	84.2	194.8	235.7	242.9
102.5°	9.6	67.3	163.5	197.2	204.4
105°	9.6	55.3	137.1	165.9	173.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	16.8	33.7	81.8	103.4	108.2
115°	19.2	28.9	69.7	89.0	93.8
117.5°	19.2	24.0	60.1	74.5	79.4
120°	19.2	21.6	52.9	64.9	67.3
122.5°	19.2	19.2	45.7	57.7	60.1
125°	16.8	19.2	43.3	50.5	52.9
127.5°	19.2	19.2	38.5	45.7	48.1
130°	19.2	21.6	33.7	43.3	43.3
132.5°	21.6	24.0	31.3	40.9	40.9
135°	21.6	24.0	26.5	38.5	40.9
137.5°	24.0	24.0	24.0	36.1	38.5
140°	24.0	24.0	21.6	31.3	33.7
142.5°	21.6	24.0	21.6	28.9	31.3
145°	21.6	24.0	24.0	26.5	28.9
147.5°	24.0	24.0	24.0	24.0	26.5
150°	24.0	24.0	24.0	24.0	24.0
152.5°	24.0	24.0	24.0	24.0	24.0
155°	24.0	26.5	26.5	26.5	24.0
157.5°	24.0	26.5	26.5	26.5	26.5
160°	24.0	26.5	26.5	26.5	26.5
162.5°	26.5	26.5	26.5	26.5	26.5
165°	26.5	26.5	26.5	26.5	26.5
167.5°	26.5	28.9	26.5	26.5	26.5
170°	26.5	26.5	26.5	24.0	24.0
172.5°	26.5	26.5	26.5	24.0	24.0
175°	26.5	26.5	24.0	21.6	21.6
177.5°	28.9	26.5	24.0	21.6	19.2
180°	24.0	24.0	24.0	24.0	24.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	12.0	45.7	117.8	141.9	146.7
110°	14.4	38.5	98.6	120.2	125.0



(END OF REPORT)