

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: P830609

Luminaire Tested: **OHBL-60HE-MCL-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830609
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-L740-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

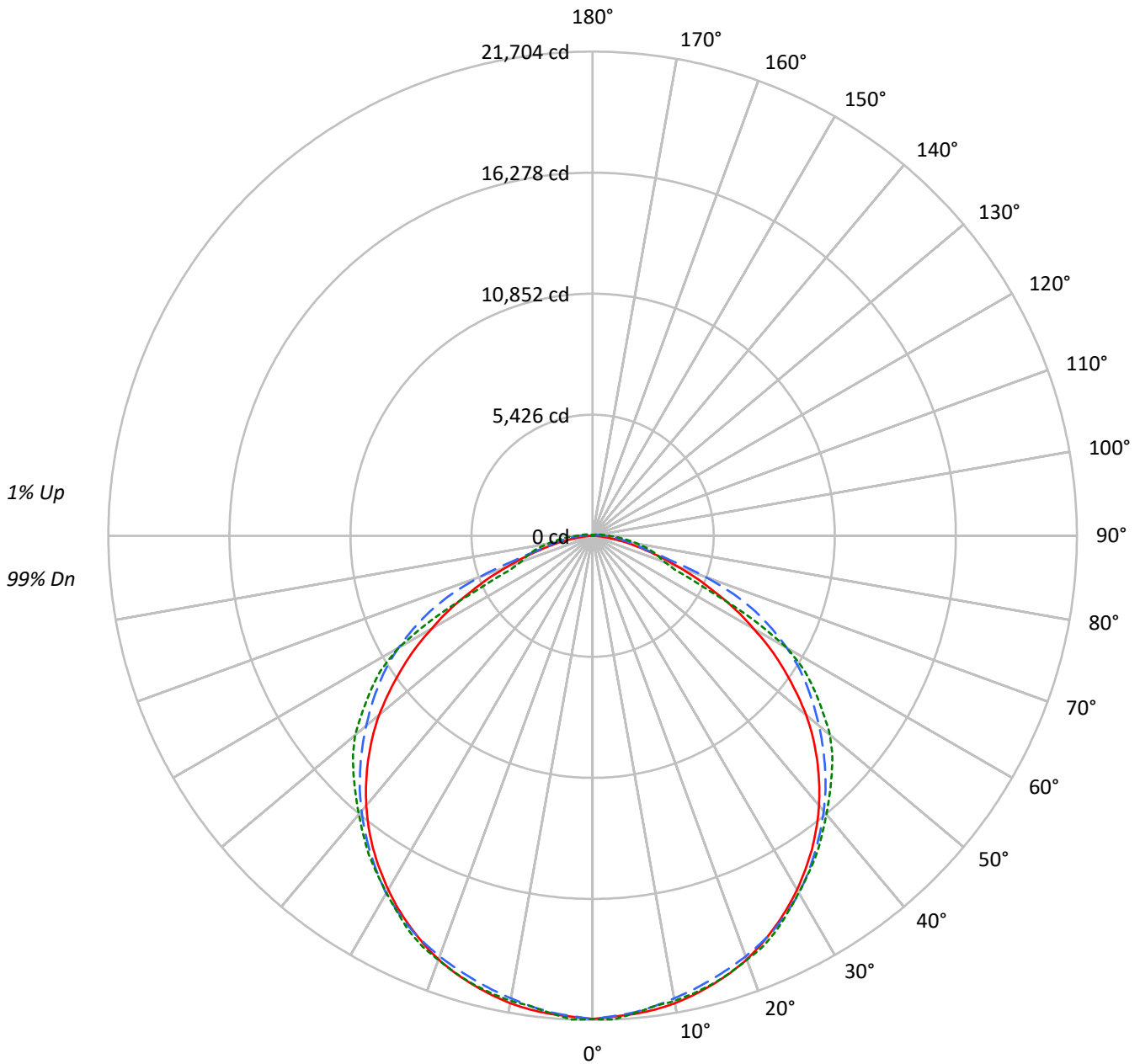
Lumens per Lamp: N/A
Luminaire Lumens: 61221.1 lumens
Efficiency: N/A
Efficacy: 181.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	34255	34255	34255
5°	34031	33757	33828
10°	33906	33246	33452
15°	33691	32864	33229
20°	33476	32623	32934
25°	33072	32380	32643
30°	32633	31998	32025
35°	32107	31391	31685
40°	31424	30764	31221
45°	30478	30039	31016
50°	29195	29214	30770
55°	27158	28401	29622
60°	24490	27212	27386
65°	21008	25007	17356
70°	16921	19521	12583
75°	12686	11589	12771
80°	8830	9636	12193
85°	5025	8829	11429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2042.3	3.3
10°-20°	5856.5	9.6
20°-30°	8944.7	14.6
30°-40°	10853.0	17.7
40°-50°	11374.9	18.6
50°-60°	10307.4	16.8
60°-70°	6910.7	11.3
70°-80°	3103.2	5.1
80°-90°	1126.1	1.8
90°-100°	339.0	0.6
100°-110°	159.9	0.3
110°-120°	80.2	0.1
120°-130°	44.2	0.1
130°-140°	30.4	0.0
140°-150°	20.4	0.0
150°-160°	15.2	0.0
160°-170°	9.8	0.0
170°-180°	3.1	0.0
0°-30°	16843.5	27.5
0°-40°	27696.5	45.2
0°-60°	49378.8	80.7
0°-90°	60518.8	98.9
90°-120°	579.1	0.9
90°-150°	674.1	1.1
90°-180°	702.0	1.1
0°-180°	61221.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21660	21660	21660	21660	21660	
5°	21519	21594	21444	21510	21482	###
15°	20821	20739	20592	20774	20799	5879
25°	19342	19258	19393	19571	19515	8916
35°	17144	17185	17360	17545	17476	10715
45°	14228	14460	14729	15105	15152	10961
55°	10470	10974	11723	12192	12164	9346
65°	6145	7106	8068	6809	5559	6123
75°	2418	3508	2581	2640	2812	2642
85°	416	799	1024	1237	1297	508
90°	3	266	529	664	695	25
95°	3	166	363	442	454	4
105°	12	72	178	216	226	14
115°	25	38	91	116	122	23
125°	22	25	56	66	69	22
135°	28	31	34	50	53	22
145°	28	31	31	34	38	19
155°	31	34	34	34	31	14
165°	34	34	34	34	34	10
175°	34	34	31	28	28	3
180°	31	31	31	31	31	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21660.0	21660.0	21660.0	21660.0	21660.0
2.5°	21572.3	21663.2	21550.4	21672.6	21703.9
5°	21519.1	21594.3	21443.9	21509.7	21481.5
7.5°	21422.0	21447.1	21268.6	21321.8	21265.4
10°	21278.0	21265.4	21055.6	21158.9	21171.5
12.5°	21065.0	21027.4	20839.5	20996.1	20999.2
15°	20820.7	20739.3	20592.1	20773.7	20798.8
17.5°	20538.8	20432.3	20335.3	20570.1	20532.6
20°	20210.0	20084.7	20065.9	20322.7	20228.8
22.5°	19802.8	19705.8	19749.6	19993.9	19934.4
25°	19342.5	19257.9	19392.6	19571.1	19514.7
27.5°	18857.0	18806.9	18960.4	19098.2	18988.6
30°	18324.6	18296.4	18500.0	18612.7	18474.9
32.5°	17745.2	17754.6	17948.8	18102.2	17973.8
35°	17143.9	17184.6	17360.0	17544.8	17475.9
37.5°	16483.1	16573.9	16749.3	16959.1	16887.1
40°	15784.6	15916.2	16110.4	16364.0	16298.3
42.5°	15029.9	15195.9	15446.4	15728.3	15722.0
45°	14228.1	14459.9	14729.2	15105.0	15152.0
47.5°	13395.0	13655.0	13996.3	14497.4	14569.5
50°	12489.9	12815.6	13241.6	13842.9	13886.7
52.5°	11481.5	11926.2	12489.9	13066.2	13012.9
55°	10469.9	10974.1	11722.6	12192.4	12164.2
57.5°	9461.4	10028.3	10936.5	11271.6	11268.5
60°	8333.9	9051.1	10043.9	10297.6	10047.1
62.5°	7291.0	8061.4	9091.8	8907.1	8048.9
65°	6144.7	7106.2	8067.7	6808.7	5559.1
67.5°	5126.9	6129.1	6852.5	4663.4	3993.1
70°	4102.8	5208.3	5343.0	3460.7	3413.7
72.5°	3194.5	4372.1	3686.2	2962.8	3113.1
75°	2417.8	3507.7	2580.7	2640.2	2812.4
77.5°	1763.2	2693.4	2007.5	2314.5	2455.4
80°	1212.0	1907.3	1638.0	1944.9	2042.0
82.5°	761.0	1259.0	1312.3	1565.9	1666.2
85°	416.5	798.6	1024.1	1237.1	1296.6
87.5°	172.3	482.3	783.0	955.2	1005.3
90°	3.1	266.2	529.3	664.0	695.3
92.5°	3.1	203.6	432.2	535.6	557.5
95°	3.1	166.0	363.3	441.6	454.1
97.5°	6.3	131.5	303.8	366.4	379.0
100°	9.4	109.6	253.7	306.9	316.3
102.5°	12.5	87.7	213.0	256.8	266.2
105°	12.5	72.0	178.5	216.1	225.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.9	43.8	106.5	134.7	140.9
115°	25.1	37.6	90.8	115.9	122.1
117.5°	25.1	31.3	78.3	97.1	103.4
120°	25.1	28.2	68.9	84.6	87.7
122.5°	25.1	25.1	59.5	75.2	78.3
125°	21.9	25.1	56.4	65.8	68.9
127.5°	25.1	25.1	50.1	59.5	62.6
130°	25.1	28.2	43.8	56.4	56.4
132.5°	28.2	31.3	40.7	53.2	53.2
135°	28.2	31.3	34.5	50.1	53.2
137.5°	31.3	31.3	31.3	47.0	50.1
140°	31.3	31.3	28.2	40.7	43.8
142.5°	28.2	31.3	28.2	37.6	40.7
145°	28.2	31.3	31.3	34.5	37.6
147.5°	31.3	31.3	31.3	31.3	34.5
150°	31.3	31.3	31.3	31.3	31.3
152.5°	31.3	31.3	31.3	31.3	31.3
155°	31.3	34.5	34.5	34.5	31.3
157.5°	31.3	34.5	34.5	34.5	34.5
160°	31.3	34.5	34.5	34.5	34.5
162.5°	34.5	34.5	34.5	34.5	34.5
165°	34.5	34.5	34.5	34.5	34.5
167.5°	34.5	37.6	34.5	34.5	34.5
170°	34.5	34.5	34.5	31.3	31.3
172.5°	34.5	34.5	34.5	31.3	31.3
175°	34.5	34.5	31.3	28.2	28.2
177.5°	37.6	34.5	31.3	28.2	25.1
180°	31.3	31.3	31.3	31.3	31.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.7	59.5	153.5	184.8	<i>191.0</i>
110°	18.8	50.1	128.4	156.6	<i>162.9</i>



(END OF REPORT)