

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: P830608

Luminaire Tested: **OHBL-60HE-MCL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830608
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-L735-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

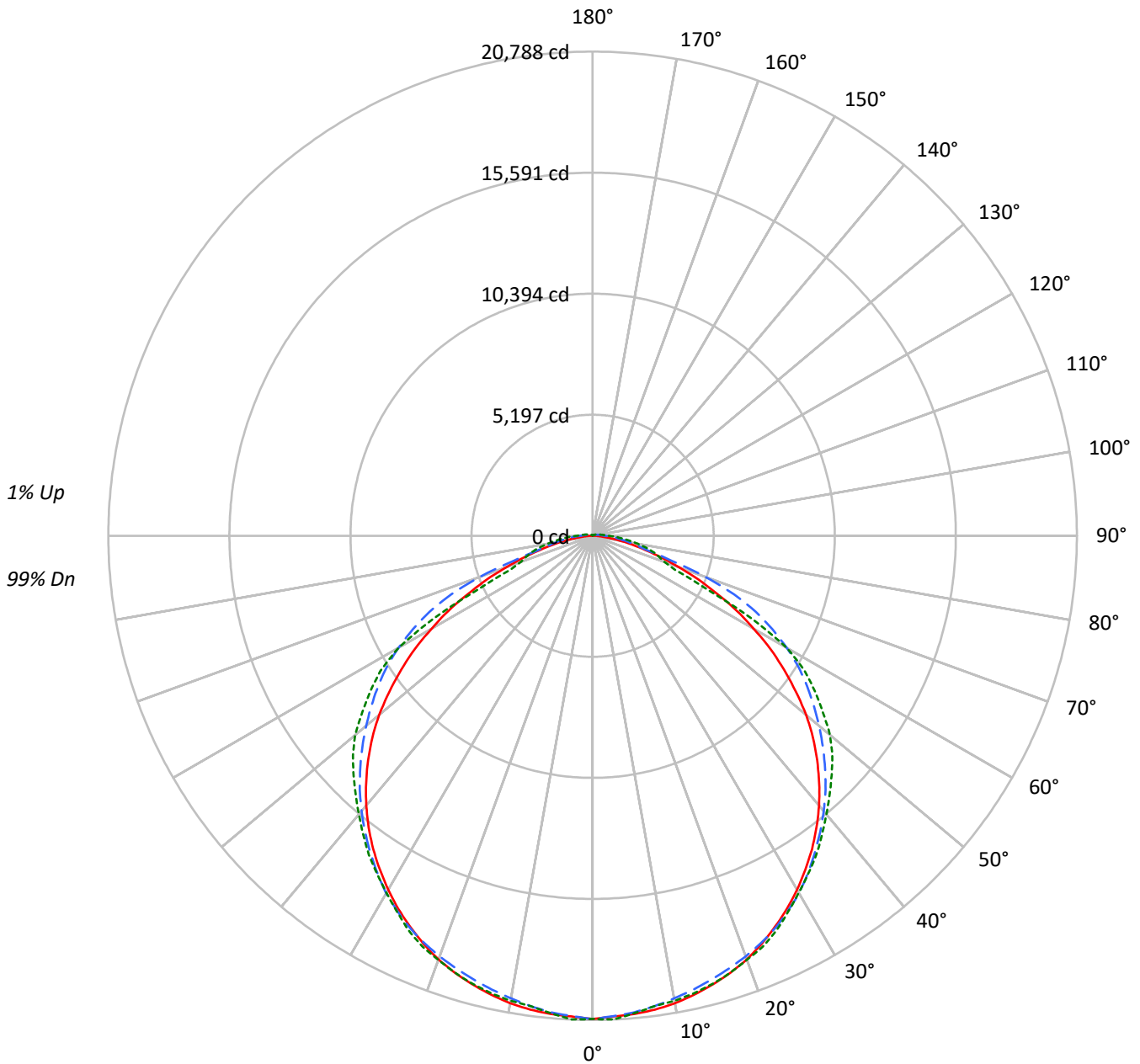
Lumens per Lamp: N/A
Luminaire Lumens: 58636.1 lumens
Efficiency: N/A
Efficacy: 173.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	32808	32808	32808
5°	32594	32332	32400
10°	32474	31842	32040
15°	32268	31476	31826
20°	32062	31245	31544
25°	31676	31013	31264
30°	31255	30647	30673
35°	30752	30066	30347
40°	30098	29465	29903
45°	29191	28771	29706
50°	27963	27980	29471
55°	26011	27202	28371
60°	23456	26063	26229
65°	20121	23951	16623
70°	16207	18697	12052
75°	12151	11099	12232
80°	8458	9229	11678
85°	4814	8456	10946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1956.1	3.3
10°-20°	5609.2	9.6
20°-30°	8567.0	14.6
30°-40°	10394.7	17.7
40°-50°	10894.6	18.6
50°-60°	9872.2	16.8
60°-70°	6618.9	11.3
70°-80°	2972.2	5.1
80°-90°	1078.6	1.8
90°-100°	324.7	0.6
100°-110°	153.2	0.3
110°-120°	76.8	0.1
120°-130°	42.4	0.1
130°-140°	29.1	0.0
140°-150°	19.6	0.0
150°-160°	14.6	0.0
160°-170°	9.4	0.0
170°-180°	3.0	0.0
0°-30°	16132.3	27.5
0°-40°	26527.0	45.2
0°-60°	47293.8	80.7
0°-90°	57963.5	98.9
90°-120°	554.6	0.9
90°-150°	645.7	1.1
90°-180°	673.0	1.1
0°-180°	58636.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20746	20746	20746	20746	20746	
5°	20610	20682	20538	20602	20574	###
15°	19942	19864	19723	19897	19921	5630
25°	18526	18445	18574	18745	18691	8539
35°	16420	16459	16627	16804	16738	10263
45°	13627	13849	14107	14467	14512	10498
55°	10028	10511	11228	11678	11651	8951
65°	5885	6806	7727	6521	5324	5864
75°	2316	3360	2472	2529	2694	2531
85°	399	765	981	1185	1242	487
90°	3	255	507	636	666	24
95°	3	159	348	423	435	4
105°	12	69	171	207	216	14
115°	24	36	87	111	117	22
125°	21	24	54	63	66	21
135°	27	30	33	48	51	21
145°	27	30	30	33	36	18
155°	30	33	33	33	30	14
165°	33	33	33	33	33	9
175°	33	33	30	27	27	3
180°	30	30	30	30	30	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20745.5	20745.5	20745.5	20745.5	20745.5
2.5°	20661.5	20748.5	20640.5	20757.5	20787.5
5°	20610.5	20682.5	20538.5	20601.5	20574.5
7.5°	20517.5	20541.5	20370.5	20421.5	20367.5
10°	20379.5	20367.5	20166.5	20265.5	20277.5
12.5°	20175.5	20139.5	19959.6	20109.5	20112.5
15°	19941.6	19863.6	19722.6	19896.6	19920.6
17.5°	19671.6	19569.6	19476.6	19701.6	19665.6
20°	19356.6	19236.7	19218.7	19464.6	19374.6
22.5°	18966.7	18873.7	18915.7	19149.7	19092.7
25°	18525.7	18444.7	18573.7	18744.7	18690.7
27.5°	18060.8	18012.8	18159.8	18291.8	18186.8
30°	17550.9	17523.9	17718.8	17826.8	17694.8
32.5°	16995.9	17004.9	17190.9	17337.9	17214.9
35°	16420.0	16459.0	16627.0	16803.9	16738.0
37.5°	15787.1	15874.1	16042.0	16243.0	16174.0
40°	15118.2	15244.1	15430.1	15673.1	15610.1
42.5°	14395.2	14554.2	14794.2	15064.2	15058.2
45°	13627.3	13849.3	14107.3	14467.2	14512.2
47.5°	12829.4	13078.4	13405.4	13885.3	13954.3
50°	11962.5	12274.5	12682.5	13258.4	13300.4
52.5°	10996.7	11422.6	11962.5	12514.5	12463.5
55°	10027.8	10510.7	11227.6	11677.6	11650.6
57.5°	9061.9	9604.8	10474.7	10795.7	10792.7
60°	7982.0	8668.9	9619.8	9862.8	9622.8
62.5°	6983.1	7721.1	8707.9	8531.0	7709.1
65°	5885.3	6806.2	7727.1	6521.2	5324.3
67.5°	4910.4	5870.3	6563.2	4466.5	3824.5
70°	3929.5	4988.4	5117.4	3314.6	3269.6
72.5°	3059.6	4187.5	3530.6	2837.7	2981.6
75°	2315.7	3359.6	2471.7	2528.7	2693.7
77.5°	1688.8	2579.7	1922.8	2216.7	2351.7
80°	1160.9	1826.8	1568.8	1862.8	1955.8
82.5°	728.9	1205.9	1256.8	1499.8	1595.8
85°	399.0	764.9	980.9	1184.9	1241.8
87.5°	165.0	461.9	749.9	914.9	962.9
90°	3.0	255.0	506.9	635.9	665.9
92.5°	3.0	195.0	413.9	512.9	533.9
95°	3.0	159.0	348.0	422.9	434.9
97.5°	6.0	126.0	291.0	351.0	363.0
100°	9.0	105.0	243.0	294.0	303.0
102.5°	12.0	84.0	204.0	246.0	255.0
105°	12.0	69.0	171.0	207.0	216.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.0	42.0	102.0	129.0	135.0
115°	24.0	36.0	87.0	111.0	117.0
117.5°	24.0	30.0	75.0	93.0	99.0
120°	24.0	27.0	66.0	81.0	84.0
122.5°	24.0	24.0	57.0	72.0	75.0
125°	21.0	24.0	54.0	63.0	66.0
127.5°	24.0	24.0	48.0	57.0	60.0
130°	24.0	27.0	42.0	54.0	54.0
132.5°	27.0	30.0	39.0	51.0	51.0
135°	27.0	30.0	33.0	48.0	51.0
137.5°	30.0	30.0	30.0	45.0	48.0
140°	30.0	30.0	27.0	39.0	42.0
142.5°	27.0	30.0	27.0	36.0	39.0
145°	27.0	30.0	30.0	33.0	36.0
147.5°	30.0	30.0	30.0	30.0	33.0
150°	30.0	30.0	30.0	30.0	30.0
152.5°	30.0	30.0	30.0	30.0	30.0
155°	30.0	33.0	33.0	33.0	30.0
157.5°	30.0	33.0	33.0	33.0	33.0
160°	30.0	33.0	33.0	33.0	33.0
162.5°	33.0	33.0	33.0	33.0	33.0
165°	33.0	33.0	33.0	33.0	33.0
167.5°	33.0	36.0	33.0	33.0	33.0
170°	33.0	33.0	33.0	30.0	30.0
172.5°	33.0	33.0	33.0	30.0	30.0
175°	33.0	33.0	30.0	27.0	27.0
177.5°	36.0	33.0	30.0	27.0	24.0
180°	30.0	30.0	30.0	30.0	30.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.0	57.0	147.0	177.0	183.0
110°	18.0	48.0	123.0	150.0	156.0



(END OF REPORT)