

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: P830616

Luminaire Tested: **OHBL-60HE-MCL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830616
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-L935-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

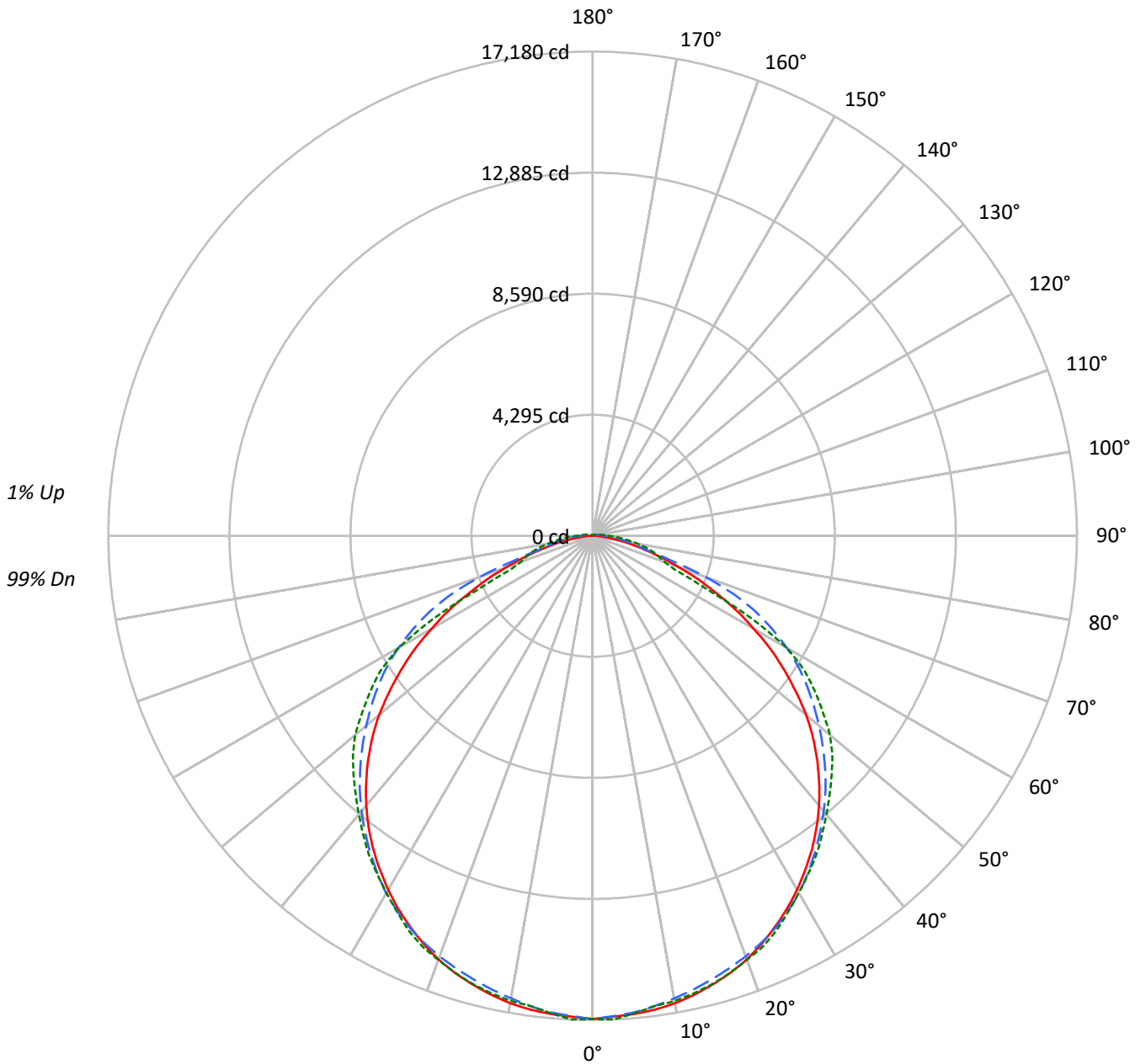
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48460.0 lumens
Efficiency: N/A
Efficacy: 143.4 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°	27115	27115	27115
5°	26937	26721	26777
10°	26839	26316	26480
15°	26668	26013	26302
20°	26498	25823	26069
25°	26178	25630	25839
30°	25831	25328	25350
35°	25415	24848	25080
40°	24874	24352	24713
45°	24125	23778	24551
50°	23110	23124	24356
55°	21497	22481	23447
60°	19385	21540	21677
65°	16629	19794	13738
70°	13394	15452	9960
75°	10042	9173	10109
80°	6990	7627	9651
85°	3978	6989	9046



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1616.6	3.3
10°-20°	4635.7	9.6
20°-30°	7080.2	14.6
30°-40°	8590.8	17.7
40°-50°	9003.9	18.6
50°-60°	8158.9	16.8
60°-70°	5470.2	11.3
70°-80°	2456.4	5.1
80°-90°	891.4	1.8
90°-100°	268.3	0.6
100°-110°	126.6	0.3
110°-120°	63.4	0.1
120°-130°	35.0	0.1
130°-140°	24.1	0.0
140°-150°	16.2	0.0
150°-160°	12.0	0.0
160°-170°	7.7	0.0
170°-180°	2.5	0.0
0°-30°	13332.6	27.5
0°-40°	21923.4	45.2
0°-60°	39086.2	80.7
0°-90°	47904.2	98.9
90°-120°	458.4	0.9
90°-150°	533.6	1.1
90°-180°	556.0	1.1
0°-180°	48460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17145	17145	17145	17145	17145	
5°	17034	17093	16974	17026	17004	###
15°	16481	16416	16300	16444	16463	4653
25°	15311	15244	15350	15492	15447	7057
35°	13570	13603	13741	13888	13833	8482
45°	11262	11446	11659	11956	11994	8676
55°	8288	8687	9279	9651	9629	7398
65°	4864	5625	6386	5390	4400	4846
75°	1914	2776	2043	2090	2226	2092
85°	330	632	811	979	1026	402
90°	2	211	419	526	550	20
95°	2	131	288	350	360	3
105°	10	57	141	171	178	11
115°	20	30	72	92	97	18
125°	17	20	45	52	54	17
135°	22	25	27	40	42	18
145°	22	25	25	27	30	15
155°	25	27	27	27	25	11
165°	27	27	27	27	27	8
175°	27	27	25	22	22	3
180°	25	25	25	25	25	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17145.2	17145.2	17145.2	17145.2	17145.2
2.5°	17075.8	17147.7	17058.4	17155.1	17179.9
5°	17033.6	17093.1	16974.1	17026.2	17003.9
7.5°	16956.8	16976.6	16835.3	16877.5	16832.8
10°	16842.7	16832.8	16666.7	16748.5	16758.5
12.5°	16674.2	16644.4	16495.7	16619.6	16622.1
15°	16480.8	16416.3	16299.8	16443.6	16463.4
17.5°	16257.7	16173.4	16096.5	16282.5	16252.7
20°	15997.4	15898.2	15883.3	16086.6	16012.3
22.5°	15675.1	15598.3	15633.0	15826.3	15779.2
25°	15310.7	15243.7	15350.3	15491.7	15447.0
27.5°	14926.4	14886.8	15008.2	15117.3	15030.5
30°	14505.0	14482.7	14643.8	14733.1	14624.0
32.5°	14046.4	14053.8	14207.5	14329.0	14227.3
35°	13570.4	13602.6	13741.4	13887.7	13833.2
37.5°	13047.3	13119.2	13258.0	13424.1	13367.1
40°	12494.5	12598.6	12752.3	12953.1	12901.0
42.5°	11897.0	12028.4	12226.7	12449.8	12444.9
45°	11262.4	11445.8	11659.0	11956.5	11993.7
47.5°	10602.9	10808.7	11078.9	11475.6	11532.6
50°	9886.5	10144.3	10481.5	10957.5	10992.2
52.5°	9088.2	9440.3	9886.5	10342.6	10300.5
55°	8287.5	8686.6	9279.1	9651.0	9628.7
57.5°	7489.2	7938.0	8656.9	8922.1	8919.7
60°	6596.8	7164.5	7950.4	8151.2	7952.8
62.5°	5771.3	6381.1	7196.7	7050.5	6371.2
65°	4863.9	5625.0	6386.1	5389.5	4400.3
67.5°	4058.2	4851.5	5424.2	3691.3	3160.8
70°	3247.6	4122.7	4229.3	2739.4	2702.2
72.5°	2528.6	3460.8	2917.9	2345.2	2464.2
75°	1913.8	2776.5	2042.7	2089.8	2226.2
77.5°	1395.7	2132.0	1589.1	1832.0	1943.6
80°	959.4	1509.7	1296.5	1539.5	1616.3
82.5°	602.4	996.6	1038.7	1239.5	1318.9
85°	329.7	632.2	810.7	979.2	1026.3
87.5°	136.3	381.8	619.8	756.1	795.8
90°	2.5	210.7	419.0	525.6	550.4
92.5°	2.5	161.1	342.1	423.9	441.3
95°	2.5	131.4	287.6	349.5	359.5
97.5°	5.0	104.1	240.5	290.1	300.0
100°	7.4	86.8	200.8	242.9	250.4
102.5°	9.9	69.4	168.6	203.3	210.7
105°	9.9	57.0	141.3	171.1	178.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	17.4	34.7	84.3	106.6	111.6
115°	19.8	29.7	71.9	91.7	96.7
117.5°	19.8	24.8	62.0	76.9	81.8
120°	19.8	22.3	54.5	66.9	69.4
122.5°	19.8	19.8	47.1	59.5	62.0
125°	17.4	19.8	44.6	52.1	54.5
127.5°	19.8	19.8	39.7	47.1	49.6
130°	19.8	22.3	34.7	44.6	44.6
132.5°	22.3	24.8	32.2	42.1	42.1
135°	22.3	24.8	27.3	39.7	42.1
137.5°	24.8	24.8	24.8	37.2	39.7
140°	24.8	24.8	22.3	32.2	34.7
142.5°	22.3	24.8	22.3	29.7	32.2
145°	22.3	24.8	24.8	27.3	29.7
147.5°	24.8	24.8	24.8	24.8	27.3
150°	24.8	24.8	24.8	24.8	24.8
152.5°	24.8	24.8	24.8	24.8	24.8
155°	24.8	27.3	27.3	27.3	24.8
157.5°	24.8	27.3	27.3	27.3	27.3
160°	24.8	27.3	27.3	27.3	27.3
162.5°	27.3	27.3	27.3	27.3	27.3
165°	27.3	27.3	27.3	27.3	27.3
167.5°	27.3	29.7	27.3	27.3	27.3
170°	27.3	27.3	27.3	24.8	24.8
172.5°	27.3	27.3	27.3	24.8	24.8
175°	27.3	27.3	24.8	22.3	22.3
177.5°	29.7	27.3	24.8	22.3	19.8
180°	24.8	24.8	24.8	24.8	24.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	12.4	47.1	121.5	146.3	151.2
110°	14.9	39.7	101.6	124.0	128.9



(END OF REPORT)