

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: P830607

Luminaire Tested: **OHBL-60HE-MCL-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830607  
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-L730-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

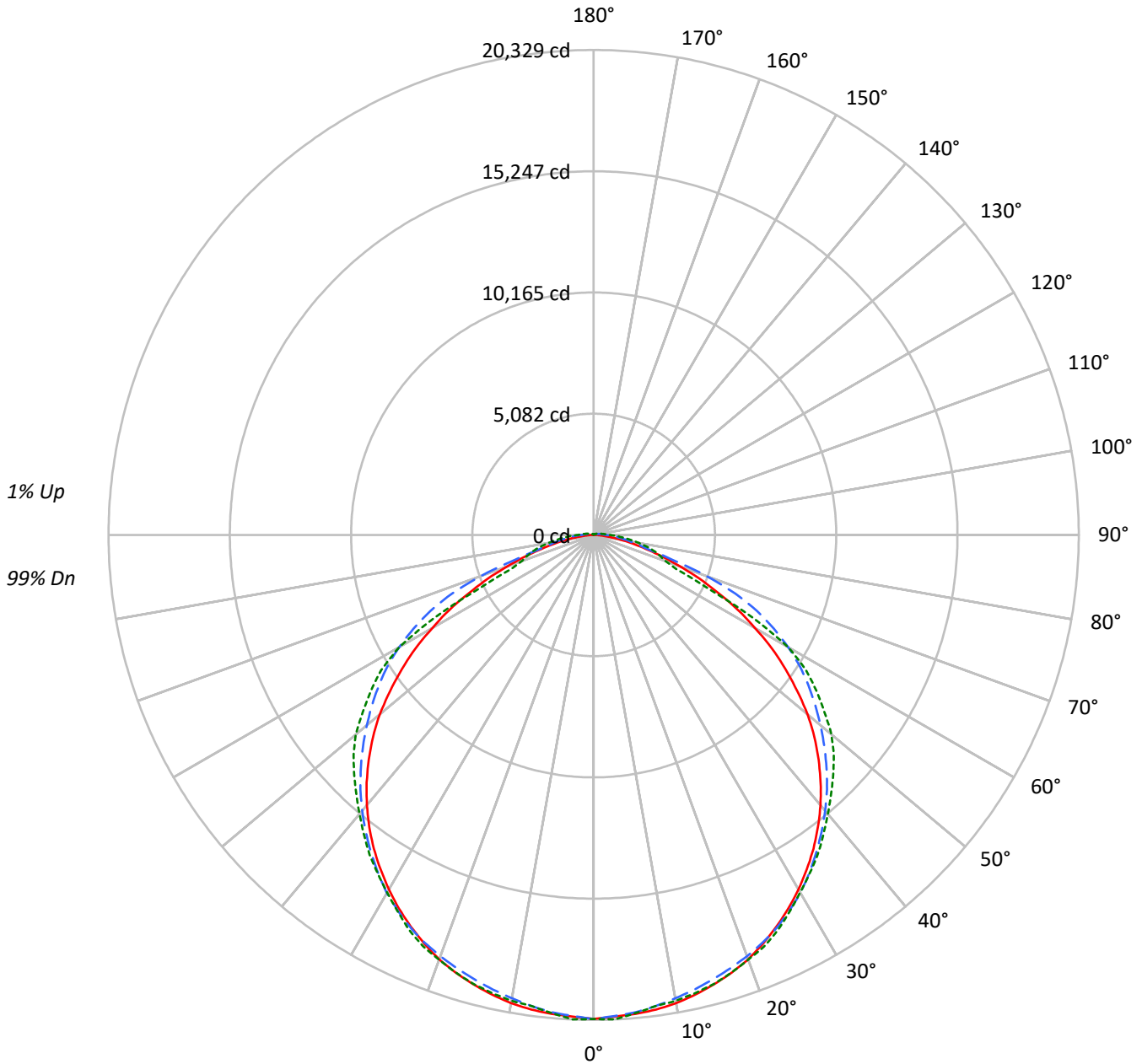
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 57344.0 lumens  
Efficiency: N/A  
Efficacy: 169.7 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<sub>in</sub>): 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

TEST NUMBER: P830607

CATALOG NUMBER: OHBL-60HE-MCL-UNV-L730-CD

### 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°	32086	32086	32086
5°	31876	31619	31686
10°	31759	31141	31334
15°	31557	30782	31124
20°	31356	30557	30849
25°	30978	30329	30576
30°	30566	29971	29997
35°	30074	29403	29678
40°	29434	28816	29244
45°	28548	28137	29052
50°	27347	27363	28821
55°	25438	26602	27746
60°	22939	25489	25651
65°	19678	23423	16256
70°	15850	18285	11786
75°	11883	10854	11962
80°	8272	9025	11421
85°	4708	8270	10705



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1913.0	3.3
10°-20°	5485.6	9.6
20°-30°	8378.2	14.6
30°-40°	10165.7	17.7
40°-50°	10654.6	18.6
50°-60°	9654.7	16.8
60°-70°	6473.1	11.3
70°-80°	2906.7	5.1
80°-90°	1054.8	1.8
90°-100°	317.5	0.6
100°-110°	149.8	0.3
110°-120°	75.1	0.1
120°-130°	41.4	0.1
130°-140°	28.5	0.0
140°-150°	19.1	0.0
150°-160°	14.2	0.0
160°-170°	9.2	0.0
170°-180°	2.9	0.0
0°-30°	15776.8	27.5
0°-40°	25942.5	45.2
0°-60°	46251.7	80.7
0°-90°	56686.3	98.9
90°-120°	542.4	0.9
90°-150°	631.4	1.1
90°-180°	658.0	1.1
0°-180°	57344.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20288	20288	20288	20288	20288	
5°	20156	20227	20086	20148	20121	###
15°	19502	19426	19288	19458	19482	5506
25°	18118	18038	18164	18332	18279	8351
35°	16058	16096	16261	16434	16369	10037
45°	13327	13544	13796	14148	14192	10266
55°	9807	10279	10980	11420	11394	8754
65°	5756	6656	7557	6378	5207	5735
75°	2265	3286	2417	2473	2634	2475
85°	390	748	959	1159	1214	476
90°	3	249	496	622	651	23
95°	3	156	340	414	425	4
105°	12	68	167	202	211	14
115°	24	35	85	108	114	22
125°	20	24	53	62	64	20
135°	26	29	32	47	50	21
145°	26	29	29	32	35	17
155°	29	32	32	32	29	14
165°	32	32	32	32	32	9
175°	32	32	29	26	26	3
180°	29	29	29	29	29	



TEST NUMBER: P830607

CATALOG NUMBER: OHBL-60HE-MCL-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20288.4	20288.4	20288.4	20288.4	20288.4
2.5°	20206.2	20291.3	20185.7	20300.1	20329.4
5°	20156.3	20226.8	20085.9	20147.5	20121.1
7.5°	20065.4	20088.9	19921.7	19971.5	19918.7
10°	19930.5	19918.7	19722.2	19819.0	19830.7
12.5°	19731.0	19695.8	19519.8	19666.4	19669.4
15°	19502.2	19425.9	19288.0	19458.2	19481.6
17.5°	19238.1	19138.4	19047.5	19267.5	19232.3
20°	18930.1	18812.8	18795.2	19035.7	18947.7
22.5°	18548.8	18457.8	18498.9	18727.7	18672.0
25°	18117.5	18038.3	18164.5	18331.7	18278.9
27.5°	17662.8	17615.9	17759.6	17888.7	17786.0
30°	17164.1	17137.7	17328.4	17434.0	17304.9
32.5°	16621.4	16630.2	16812.1	16955.9	16835.6
35°	16058.2	16096.3	16260.6	16433.7	16369.1
37.5°	15439.2	15524.3	15688.6	15885.1	15817.6
40°	14785.0	14908.2	15090.1	15327.7	15266.1
42.5°	14078.1	14233.5	14468.2	14732.2	14726.4
45°	13327.1	13544.1	13796.4	14148.5	14192.5
47.5°	12546.7	12790.2	13110.0	13579.4	13646.8
50°	11699.0	12004.0	12403.0	12966.2	13007.3
52.5°	10754.4	11170.9	11699.0	12238.7	12188.9
55°	9806.8	10279.1	10980.2	11420.3	11393.9
57.5°	8862.2	9393.2	10243.9	10557.8	10554.9
60°	7806.1	8477.9	9407.9	9645.5	9410.8
62.5°	6829.3	7550.9	8516.1	8343.0	7539.2
65°	5755.6	6656.2	7556.8	6377.5	5207.0
67.5°	4802.2	5740.9	6418.6	4368.0	3740.3
70°	3842.9	4878.5	5004.6	3241.6	3197.6
72.5°	2992.2	4095.2	3452.8	2775.1	2915.9
75°	2264.7	3285.6	2417.2	2473.0	2634.3
77.5°	1651.6	2522.8	1880.4	2167.9	2299.9
80°	1135.3	1786.5	1534.2	1821.7	1912.7
82.5°	712.8	1179.3	1229.2	1466.8	1560.6
85°	390.2	748.1	959.3	1158.7	1214.5
87.5°	161.3	451.8	733.4	894.7	941.7
90°	2.9	249.4	495.8	621.9	651.2
92.5°	2.9	190.7	404.8	501.6	522.2
95°	2.9	155.5	340.3	413.6	425.4
97.5°	5.9	123.2	284.6	343.2	355.0
100°	8.8	102.7	237.6	287.5	296.3
102.5°	11.7	82.1	199.5	240.6	249.4
105°	11.7	67.5	167.2	202.4	211.2



TEST NUMBER: P830607

CATALOG NUMBER: OHBL-60HE-MCL-UNV-L730-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	20.5	41.1	99.7	126.1	132.0
115°	23.5	35.2	85.1	108.5	114.4
117.5°	23.5	29.3	73.3	90.9	96.8
120°	23.5	26.4	64.5	79.2	82.1
122.5°	23.5	23.5	55.7	70.4	73.3
125°	20.5	23.5	52.8	61.6	64.5
127.5°	23.5	23.5	46.9	55.7	58.7
130°	23.5	26.4	41.1	52.8	52.8
132.5°	26.4	29.3	38.1	49.9	49.9
135°	26.4	29.3	32.3	46.9	49.9
137.5°	29.3	29.3	29.3	44.0	46.9
140°	29.3	29.3	26.4	38.1	41.1
142.5°	26.4	29.3	26.4	35.2	38.1
145°	26.4	29.3	29.3	32.3	35.2
147.5°	29.3	29.3	29.3	29.3	32.3
150°	29.3	29.3	29.3	29.3	29.3
152.5°	29.3	29.3	29.3	29.3	29.3
155°	29.3	32.3	32.3	32.3	29.3
157.5°	29.3	32.3	32.3	32.3	32.3
160°	29.3	32.3	32.3	32.3	32.3
162.5°	32.3	32.3	32.3	32.3	32.3
165°	32.3	32.3	32.3	32.3	32.3
167.5°	32.3	35.2	32.3	32.3	32.3
170°	32.3	32.3	32.3	29.3	29.3
172.5°	32.3	32.3	32.3	29.3	29.3
175°	32.3	32.3	29.3	26.4	26.4
177.5°	35.2	32.3	29.3	26.4	23.5
180°	29.3	29.3	29.3	29.3	29.3



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	14.7	55.7	143.7	173.1	178.9
110°	17.6	46.9	120.3	146.7	152.5



(END OF REPORT)