

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: P826445

Luminaire Tested: **OHBL-12HE-MCL-UNV-L830-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826445
REPORT IS A COMBINATION OF REPORTS P826048 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12HE-MCL-UNV-L830-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

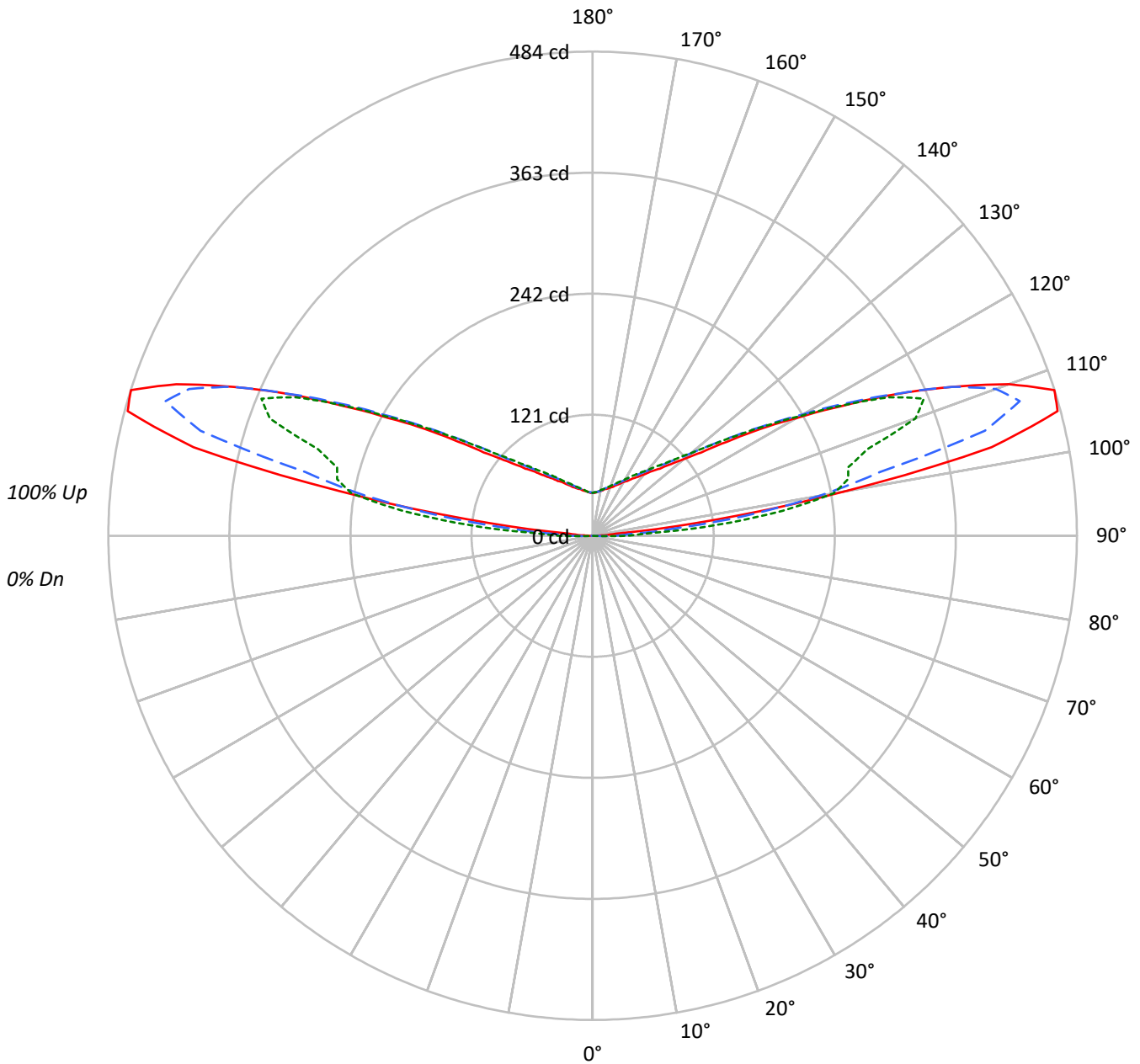
Lumens per Lamp: N/A
Luminaire Lumens: 1158.8 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Indirect

Input Watts (W): 8.4
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

TEST NUMBER: P826445

CATALOG NUMBER: OHBL-12HE-MCL-UNV-L830-CD-UPL12

Luminous Intensity Polar Plot





TEST NUMBER: P826445

CATALOG NUMBER: OHBL-12HE-MCL-UNV-L830-CD-UPL12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	9	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	2	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



TEST NUMBER: P826445

CATALOG NUMBER: OHBL-12HE-MCL-UNV-L830-CD-UPL12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	2.9	0.3
90°-100°	110.7	9.6
100°-110°	385.2	33.2
110°-120°	330.9	28.6
120°-130°	158.6	13.7
130°-140°	79.3	6.8
140°-150°	46.1	4.0
150°-160°	26.9	2.3
160°-170°	14.0	1.2
170°-180°	4.2	0.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.9	0.3
90°-120°	826.7	71.3
90°-150°	1110.8	95.9
90°-180°	1156.0	99.8
0°-180°	1158.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	3	17	22	29	33	2
95°	23	54	80	108	125	76
105°	481	476	406	288	264	455
115°	335	335	336	333	328	335
125°	164	170	174	172	173	153
135°	95	98	101	102	102	76
145°	70	72	73	74	74	44
155°	56	57	58	59	59	26
165°	48	48	49	49	49	14
175°	44	44	44	44	44	4
180°	43	43	43	43	43	



TEST NUMBER: P826445

CATALOG NUMBER: OHBL-12HE-MCL-UNV-L830-CD-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	2.8	16.8	22.3	28.8	32.6
92.5°	8.4	21.4	35.4	50.2	54.9
95°	23.3	54.0	80.0	107.9	124.7
97.5°	125.6	136.8	154.5	182.4	191.7
100°	256.8	276.4	229.8	240.1	244.7
102.5°	408.5	402.9	294.1	266.1	261.5
105°	481.1	475.5	405.7	287.5	264.3



TEST NUMBER: P826445

CATALOG NUMBER: OHBL-12HE-MCL-UNV-L830-CD-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	389.0	391.8	389.0	374.1	358.3
115°	335.0	335.0	335.9	333.1	327.6
117.5°	281.0	284.8	287.5	284.8	282.9
120°	235.4	241.0	242.9	239.2	239.2
122.5°	198.2	202.9	205.7	202.9	203.8
125°	163.8	170.3	174.0	172.2	173.1
127.5°	136.8	142.4	148.9	148.0	148.0
130°	119.1	122.8	127.5	128.4	128.4
132.5°	106.1	108.9	112.6	113.5	114.5
135°	94.9	97.7	101.4	102.4	102.4
137.5°	87.5	89.3	92.1	93.1	94.0
140°	80.0	82.8	84.7	85.6	85.6
142.5°	74.4	76.3	78.2	79.1	80.0
145°	69.8	71.7	72.6	73.5	74.4
147.5°	65.1	67.0	68.9	68.9	69.8
150°	62.3	63.3	64.2	65.1	65.1
152.5°	58.6	59.6	60.5	61.4	61.4
155°	55.8	56.8	57.7	58.6	58.6
157.5°	53.0	54.9	54.9	55.8	55.8
160°	51.2	52.1	53.0	53.0	53.0
162.5°	49.3	50.2	50.2	51.2	51.2
165°	48.4	48.4	49.3	49.3	49.3
167.5°	46.5	46.5	47.5	47.5	47.5
170°	45.6	45.6	45.6	46.5	46.5
172.5°	44.7	44.7	44.7	44.7	44.7
175°	43.7	43.7	43.7	43.7	43.7
177.5°	42.8	43.7	43.7	43.7	43.7
180°	42.8	42.8	42.8	42.8	42.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	483.9	485.8	447.6	347.1	287.5
110°	442.9	449.5	429.0	390.8	343.4



(END OF REPORT)