

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: P827045

Luminaire Tested: **OHBL-12HE-MCL-UNV-L840-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827045
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-L840-CD-UPL12
Description: 12000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND MEDIUM CLEAR LENS AND 1200 LUMEN UPLIGHT MODULE
Light Source: -
Ballast/Driver: -

Summary

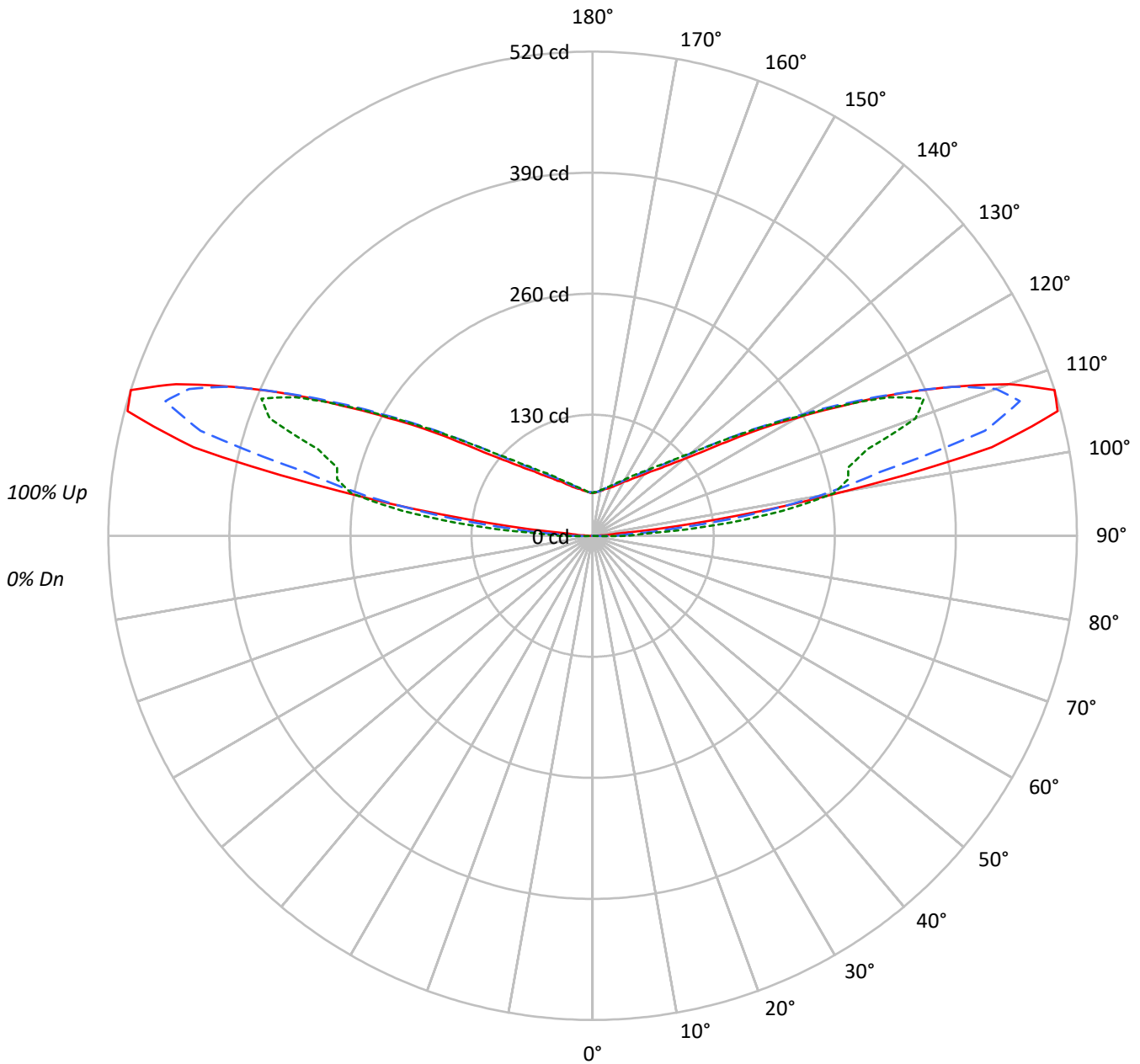
Lumens per Lamp: N/A
Luminaire Lumens: 1245.3 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Indirect

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

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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	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



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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°	3.2	0.3
90°-100°	119.0	9.6
100°-110°	413.9	33.2
110°-120°	355.5	28.5
120°-130°	170.4	13.7
130°-140°	85.2	6.8
140°-150°	49.6	4.0
150°-160°	28.9	2.3
160°-170°	15.0	1.2
170°-180°	4.6	0.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.2	0.3
90°-120°	888.4	71.3
90°-150°	1193.7	95.9
90°-180°	1242.0	99.7
0°-180°	1245.3	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	18	24	31	35	2
95°	25	58	86	116	134	82
105°	517	511	436	309	284	489
115°	360	360	361	358	352	360
125°	176	183	187	185	186	164
135°	102	105	109	110	110	81
145°	75	77	78	79	80	48
155°	60	61	62	63	63	28
165°	52	52	53	53	53	15
175°	47	47	47	47	47	5
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	0	0	0	0	0
2.5°	0	0	0	0	0
5°	0	0	0	0	0
7.5°	0	0	0	0	0
10°	0	0	0	0	0
12.5°	0	0	0	0	0
15°	0	0	0	0	0
17.5°	0	0	0	0	0
20°	0	0	0	0	0
22.5°	0	0	0	0	0
25°	0	0	0	0	0
27.5°	0	0	0	0	0
30°	0	0	0	0	0
32.5°	0	0	0	0	0
35°	0	0	0	0	0
37.5°	0	0	0	0	0
40°	0	0	0	0	0
42.5°	0	0	0	0	0
45°	0	0	0	0	0
47.5°	0	0	0	0	0
50°	0	0	0	0	0
52.5°	0	0	0	0	0
55°	0	0	0	0	0
57.5°	0	0	0	0	0
60°	0	0	0	0	0
62.5°	0	0	0	0	0
65°	0	0	0	0	0
67.5°	0	0	0	0	0
70°	0	0	0	0	0
72.5°	0	0	0	0	0
75°	0	0	0	0	0
77.5°	0	0	0	0	0
80°	0	0	0	0	0
82.5°	0	0	0	0	0
85°	0	0	0	0	0
87.5°	0	0	0	0	0
90°	3	18	24	31	35
92.5°	9	23	38	54	59
95°	25	58	86	116	134
97.5°	135	147	166	196	206
100°	276	297	247	258	263
102.5°	439	433	316	286	281
105°	517	511	436	309	284



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	418	421	418	402	385
115°	360	360	361	358	352
117.5°	302	306	309	306	304
120°	253	259	261	257	257
122.5°	213	218	221	218	219
125°	176	183	187	185	186
127.5°	147	153	160	159	159
130°	128	132	137	138	138
132.5°	114	117	121	122	123
135°	102	105	109	110	110
137.5°	94	96	99	100	101
140°	86	89	91	92	92
142.5°	80	82	84	85	86
145°	75	77	78	79	80
147.5°	70	72	74	74	75
150°	67	68	69	70	70
152.5°	63	64	65	66	66
155°	60	61	62	63	63
157.5°	57	59	59	60	60
160°	55	56	57	57	57
162.5°	53	54	54	55	55
165°	52	52	53	53	53
167.5°	50	50	51	51	51
170°	49	49	49	50	50
172.5°	48	48	48	48	48
175°	47	47	47	47	47
177.5°	46	47	47	47	47
180°	46	46	46	46	46



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	520	522	481	373	309
110°	476	483	461	420	369



(END OF REPORT)