

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: P827071

Luminaire Tested: **OHBL-15HE-MFL-UNV-L840-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827071
REPORT IS A COMBINATION OF REPORTS P826109 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15HE-MFL-UNV-L840-CD-UPL15
Description: 15000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND MEDIUM FROSTED LENS AND 1500 LUMEN UPLIGHT MODULE
Light Source: -
Ballast/Driver: -

Summary

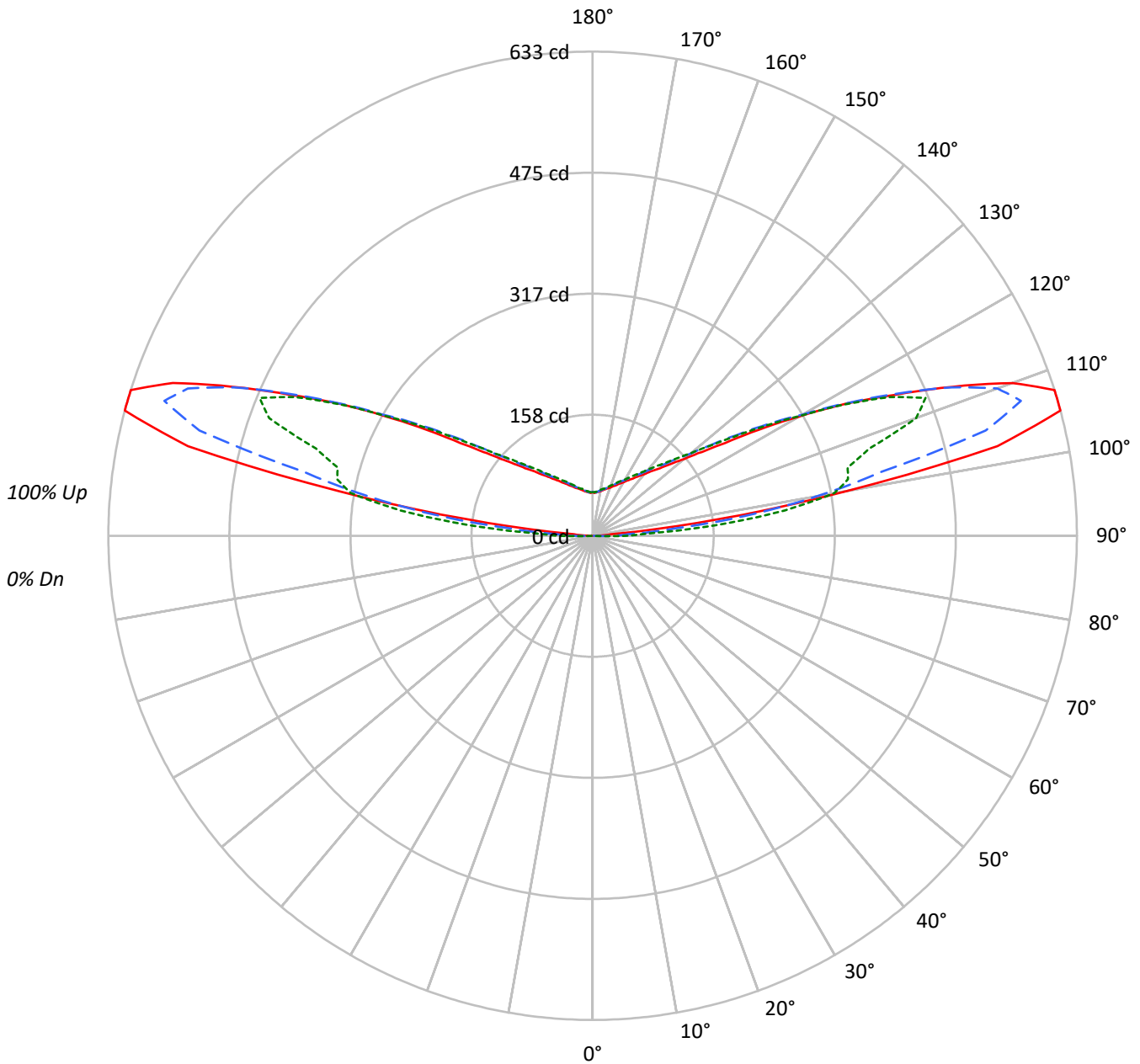
Lumens per Lamp: N/A
Luminaire Lumens: 1519.2 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Indirect

Input Watts (W): 10.3
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: P827071

CATALOG NUMBER: OHBL-15HE-MFL-UNV-L840-CD-UPL15

Luminous Intensity Polar Plot





TEST NUMBER: P827071

CATALOG NUMBER: OHBL-15HE-MFL-UNV-L840-CD-UPL15

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



TEST NUMBER: P827071

CATALOG NUMBER: OHBL-15HE-MFL-UNV-L840-CD-UPL15

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°	3.8	0.3
90°-100°	145.6	9.6
100°-110°	504.6	33.2
110°-120°	433.6	28.5
120°-130°	208.1	13.7
130°-140°	104.0	6.8
140°-150°	60.4	4.0
150°-160°	35.2	2.3
160°-170°	18.3	1.2
170°-180°	5.6	0.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.8	0.3
90°-120°	1083.8	71.3
90°-150°	1456.3	95.9
90°-180°	1515.0	99.7
0°-180°	1519.2	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	22	29	38	43	2
95°	28	72	107	142	165	100
105°	633	624	532	376	345	599
115°	436	436	440	438	429	440
125°	211	223	229	227	226	199
135°	125	129	132	134	135	99
145°	91	93	95	97	97	58
155°	73	74	76	76	77	34
165°	63	63	64	64	64	18
175°	57	57	57	58	58	6
180°	57	57	57	57	57	



TEST NUMBER: P827071

CATALOG NUMBER: OHBL-15HE-MFL-UNV-L840-CD-UPL15

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	22	29	38	43
92.5°	10	28	46	64	74
95°	28	72	107	142	165
97.5°	166	187	204	235	253
100°	337	364	299	314	321
102.5°	542	524	387	348	342
105°	633	624	532	376	345



TEST NUMBER: P827071

CATALOG NUMBER: OHBL-15HE-MFL-UNV-L840-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	509	516	507	489	471
115°	436	436	440	438	429
117.5°	374	372	376	374	372
120°	312	316	317	315	314
122.5°	258	266	271	268	267
125°	211	223	229	227	226
127.5°	180	187	195	195	193
130°	156	161	167	168	168
132.5°	139	143	148	149	150
135°	125	129	132	134	135
137.5°	115	117	121	122	123
140°	105	108	111	112	113
142.5°	98	100	102	104	104
145°	91	93	95	97	97
147.5°	86	88	90	90	91
150°	81	83	84	85	85
152.5°	77	78	80	80	81
155°	73	74	76	76	77
157.5°	70	71	72	73	73
160°	67	68	69	69	70
162.5°	65	66	66	67	67
165°	63	63	64	64	64
167.5°	61	61	62	62	63
170°	59	60	60	60	61
172.5°	58	58	59	59	59
175°	57	57	57	58	58
177.5°	56	57	57	57	57
180°	57	57	57	57	57



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	633	634	587	452	379
110°	584	589	563	512	450



(END OF REPORT)