

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: P828923

Luminaire Tested: **OHB-15HE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-15HE-NL-UNV-L930-CD
Description: 15000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

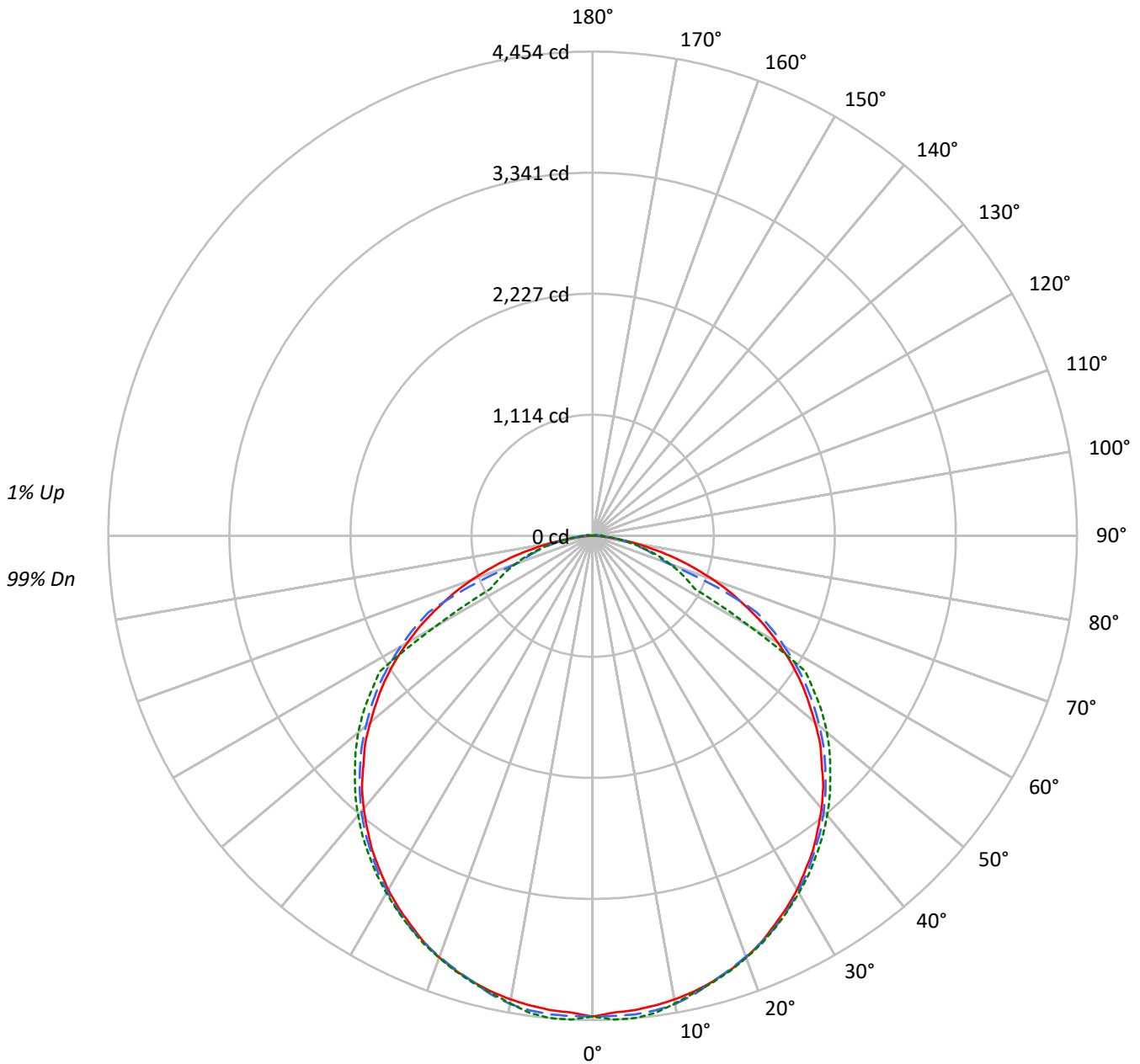
Lumens per Lamp: N/A
Luminaire Lumens: 12415.0 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 1.93' x H: 0')
CIE Type: Direct

Input Watts (W): 80
Input Voltage (V): NR
Input Current (Ain): 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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14771	14771	14771
5°	14690	14822	14934
10°	14694	14833	14815
15°	14691	14689	14721
20°	14671	14649	14685
25°	14571	14645	14657
30°	14503	14578	14635
35°	14410	14489	14625
40°	14285	14421	14634
45°	14079	14292	14603
50°	13867	14150	14617
55°	13601	13954	14456
60°	13146	13613	11254
65°	12437	13161	7574
70°	11504	6986	7351
75°	10034	6639	7020
80°	7716	6091	6433
85°	3894	6156	6305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.1	3.4
10°-20°	1202.9	9.7
20°-30°	1830.2	14.7
30°-40°	2225.3	17.9
40°-50°	2339.8	18.8
50°-60°	2136.5	17.2
60°-70°	1369.6	11.0
70°-80°	647.0	5.2
80°-90°	179.4	1.4
90°-100°	47.5	0.4
100°-110°	13.0	0.1
110°-120°	3.6	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3453.2	27.8
0°-40°	5678.5	45.7
0°-60°	10154.8	81.8
0°-90°	12350.8	99.5
90°-120°	64.1	0.5
90°-150°	64.1	0.5
90°-180°	64.0	0.5
0°-180°	12415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4422	4422	4422	4422	4422	
5°	4381	4398	4420	4444	4454	417
15°	4248	4280	4247	4254	4257	1199
25°	3953	3959	3973	3980	3976	1824
35°	3534	3512	3553	3596	3586	2208
45°	2980	2975	3025	3097	3091	2304
55°	2335	2318	2396	2476	2482	2083
65°	1574	1574	1665	955	958	1560
75°	777	792	514	542	544	820
85°	102	129	161	174	164	150
90°	0	44	71	84	83	4
95°	2	22	51	69	69	1
105°	4	8	12	12	12	4
115°	4	5	8	5	1	3
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4421.9	4421.9	4421.9	4421.9	4421.9
2.5°	4390.9	4405.6	4421.9	4442.9	4454.4
5°	4380.7	4397.8	4420.3	4444.4	4453.7
7.5°	4359.1	4383.0	4404.8	4421.9	4427.3
10°	4331.9	4360.6	4373.0	4371.5	4367.6
12.5°	4295.4	4325.7	4321.8	4303.9	4307.1
15°	4248.1	4279.9	4247.3	4253.5	4256.6
17.5°	4192.2	4223.3	4185.2	4197.6	4198.5
20°	4127.1	4150.3	4120.8	4130.9	4130.9
22.5°	4048.7	4065.0	4052.6	4059.6	4061.1
25°	3953.3	3959.4	3973.4	3979.6	3976.5
27.5°	3861.7	3853.9	3881.1	3895.8	3888.0
30°	3760.0	3747.6	3779.4	3803.5	3794.2
32.5°	3643.6	3635.9	3672.4	3701.1	3695.6
35°	3533.5	3512.5	3552.9	3596.3	3586.2
37.5°	3403.1	3390.7	3436.5	3482.3	3476.9
40°	3275.9	3254.9	3306.9	3361.2	3355.8
42.5°	3139.3	3114.4	3171.1	3236.4	3230.1
45°	2980.2	2974.8	3025.2	3096.6	3091.2
47.5°	2839.1	2811.9	2882.5	2951.6	2957.8
50°	2668.3	2658.3	2722.7	2806.5	2812.6
52.5°	2501.5	2494.6	2562.0	2646.6	2657.5
55°	2335.4	2317.6	2396.0	2475.9	2482.2
57.5°	2157.8	2139.2	2219.1	2306.0	2319.2
60°	1967.7	1949.8	2037.5	2118.2	1684.5
62.5°	1777.6	1765.2	1856.8	1315.2	1059.9
65°	1573.5	1573.5	1665.0	955.1	958.2
67.5°	1382.7	1370.3	1241.5	858.1	858.1
70°	1177.8	1182.5	715.3	751.9	752.6
72.5°	972.2	989.3	617.7	647.1	648.6
75°	777.4	792.2	514.4	541.6	543.9
77.5°	571.1	439.2	413.5	434.6	435.3
80°	401.1	277.0	316.6	336.7	334.4
82.5°	234.3	193.9	232.0	246.8	245.9
85°	101.6	128.8	160.6	173.8	164.5
87.5°	32.5	79.9	100.1	107.9	107.0
90°	0.0	43.5	71.4	84.5	83.1
92.5°	0.0	34.1	62.1	77.6	78.4
95°	2.3	22.5	51.3	69.1	69.1
97.5°	1.6	16.3	36.5	54.3	55.9
100°	1.6	13.1	24.1	38.8	39.6
102.5°	3.9	10.8	14.7	24.8	25.6
105°	3.9	8.5	12.4	12.4	11.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	6.2	8.5	6.2	0.7
115°	3.9	5.4	7.7	5.4	0.7
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.9	7.7	10.8	7.0	2.3
110°	4.7	7.0	9.3	6.2	0.7



(END OF REPORT)