

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: P836956

Luminaire Tested: **OHB-12HE-A-UNV-L750-CD**

Issue Date: 5/16/2024



Test Information

Test Method: LM-79-08
Report Number: P836956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-12HE-A-UNV-L750-CD
Description: 12000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

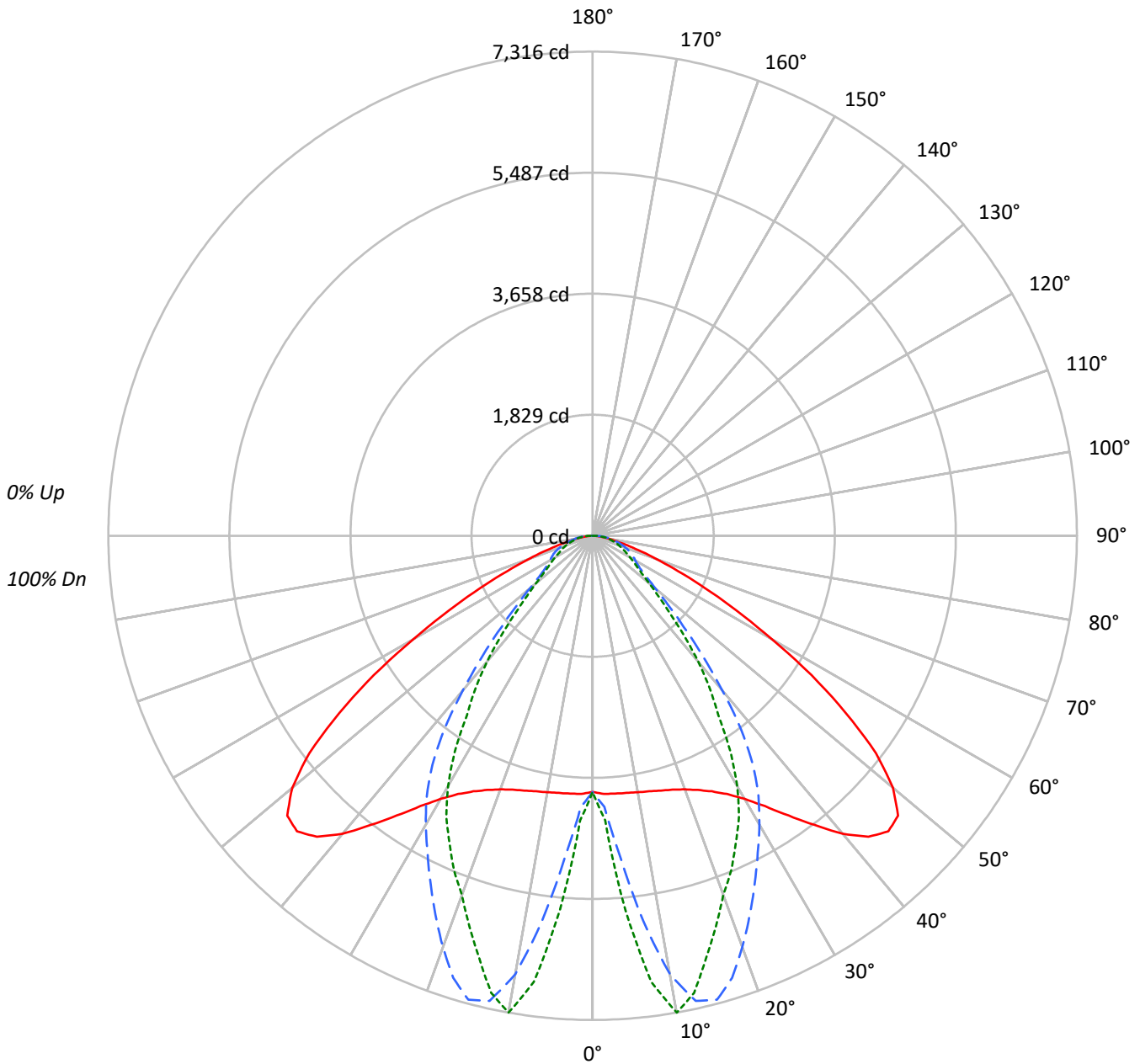
Lumens per Lamp: N/A
Luminaire Lumens: 12424.0 lumens
Efficiency: N/A
Efficacy: 177.5 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
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	100																			
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88																			
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76																			
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67																			
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59																			
5	82	70	62	56	80	69	62	56	67	61	56	65	60	55	64	59	55	53																			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	39																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12933	12933	12933
5°	13015	16225	18867
10°	13146	22311	24387
15°	13476	24242	22272
20°	14051	22433	19803
25°	15095	20119	18016
30°	16856	18063	15928
35°	19846	15759	12613
40°	23903	11960	9968
45°	27470	8116	7039
50°	27909	5543	5158
55°	24221	4339	4168
60°	18150	4034	3699
65°	12492	4013	3442
70°	8031	3829	3252
75°	4869	3490	3001
80°	2902	2993	2912
85°	1432	2459	2375



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.4	4.1
10°-20°	1784.0	14.4
20°-30°	2628.8	21.2
30°-40°	2762.4	22.2
40°-50°	2113.8	17.0
50°-60°	1276.4	10.3
60°-70°	778.9	6.3
70°-80°	425.1	3.4
80°-90°	149.2	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	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°	4918.2	39.6
0°-40°	7680.6	61.8
0°-60°	11070.8	89.1
0°-90°	12424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3872	3872	3872	3872	3872	
5°	3910	4195	4894	5465	5676	374
15°	3987	6209	7257	6772	6613	1134
25°	4260	7207	5794	5245	5116	1991
35°	5160	5771	4221	3515	3310	3274
45°	6316	3293	1944	1711	1639	4772
55°	4671	1117	885	820	818	4127
65°	1873	707	651	557	529	1919
75°	499	440	403	333	319	574
85°	74	136	161	146	133	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3871.7	3871.7	3871.7	3871.7	3871.7
2.5°	3903.4	3943.2	4100.3	4263.3	4303.0
5°	3910.5	4195.4	4894.2	5464.8	5675.7
7.5°	3918.8	4604.0	5877.9	6576.5	6800.1
10°	3934.6	5120.6	6730.2	7231.8	7316.3
12.5°	3954.2	5668.0	7199.3	7181.0	7074.4
15°	3986.7	6209.4	7257.0	6771.9	6612.7
17.5°	4020.9	6667.5	7005.0	6326.6	6188.0
20°	4076.5	7007.5	6613.0	5930.8	5773.3
22.5°	4156.7	7194.4	6202.0	5572.9	5470.1
25°	4260.1	7206.6	5793.7	5245.3	5115.8
27.5°	4398.8	7039.4	5402.4	4924.4	4787.6
30°	4587.4	6719.3	5038.8	4537.4	4367.7
32.5°	4843.6	6258.6	4663.9	4070.2	3880.0
35°	5160.3	5771.1	4220.8	3515.0	3309.5
37.5°	5506.0	5229.9	3683.1	3023.4	2903.7
40°	5877.9	4672.2	3045.7	2563.4	2477.7
42.5°	6168.1	4065.9	2453.7	2130.2	2039.1
45°	6316.0	3293.1	1944.3	1710.9	1639.0
47.5°	6258.4	2556.3	1541.4	1359.4	1337.8
50°	5922.2	1887.5	1233.9	1119.8	1110.9
52.5°	5396.6	1406.9	1019.2	948.7	933.2
55°	4670.9	1116.7	885.1	820.3	817.8
57.5°	3921.6	948.7	803.4	753.2	735.8
60°	3122.4	845.9	741.5	684.8	649.5
62.5°	2447.5	774.0	696.0	619.1	586.1
65°	1872.6	706.9	651.1	557.2	528.8
67.5°	1395.9	643.0	596.4	492.1	475.5
70°	1017.1	577.4	533.9	437.6	424.5
72.5°	724.9	512.0	471.5	386.5	372.1
75°	498.6	439.6	403.3	332.7	319.3
77.5°	336.4	365.7	336.0	284.1	278.4
80°	224.6	290.0	271.8	240.7	237.2
82.5°	136.3	210.5	214.5	195.7	186.3
85°	74.2	136.3	160.7	146.4	132.8
87.5°	29.1	75.5	110.7	99.4	93.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







(END OF REPORT)