

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: P829180

Luminaire Tested: **OHB-24HE-MFL-UNV-L735-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-24HE-MFL-UNV-L735-CD  
Description: 24000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

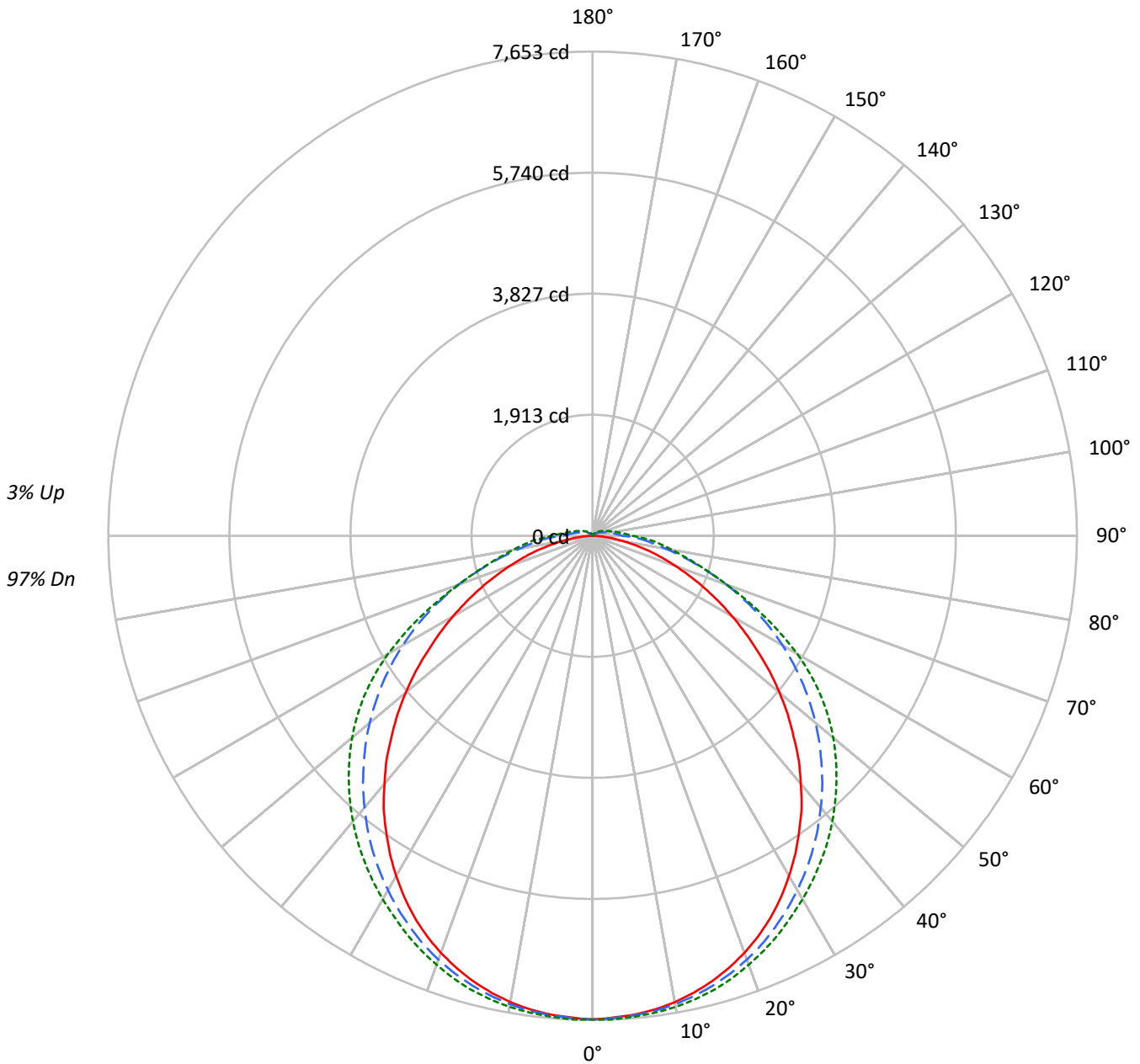
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22881.0 lumens  
Efficiency: N/A  
Efficacy: 176.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 130  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	23648	23648	23648
5°	23410	23363	23495
10°	23160	23097	23372
15°	22816	22793	23211
20°	22387	22433	22974
25°	21842	21998	22735
30°	21122	21530	22494
35°	20269	21036	22287
40°	19262	20470	22082
45°	18092	19858	21821
50°	16819	19232	21504
55°	15281	18478	20969
60°	13707	17594	19900
65°	11996	16483	18143
70°	10151	15083	16241
75°	8273	13460	14956
80°	5977	12150	14838
85°	3412	12057	16580



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	724.4	3.2
10°-20°	2078.3	9.1
20°-30°	3143.0	13.7
30°-40°	3773.3	16.5
40°-50°	3897.2	17.0
50°-60°	3506.2	15.3
60°-70°	2641.2	11.5
70°-80°	1594.8	7.0
80°-90°	780.0	3.4
90°-100°	328.3	1.4
100°-110°	187.4	0.8
110°-120°	110.0	0.5
120°-130°	62.2	0.3
130°-140°	32.8	0.1
140°-150°	15.9	0.1
150°-160°	5.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5945.8	26.0
0°-40°	9719.0	42.5
0°-60°	17122.4	74.8
0°-90°	22138.5	96.8
90°-120°	625.8	2.7
90°-150°	736.7	3.2
90°-180°	743.0	3.2
0°-180°	22881.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7645	7645	7645	7645	7645	
5°	7597	7617	7608	7638	7628	722
15°	7290	7325	7359	7421	7428	2055
25°	6657	6730	6826	6932	6949	3062
35°	5692	5825	6064	6248	6285	3558
45°	4492	4719	5114	5392	5450	3468
55°	3183	3512	4045	4350	4403	2854
65°	1942	2339	2863	3005	2971	1930
75°	915	1314	1658	1701	1684	976
85°	191	503	831	945	962	221
90°	0	196	475	599	623	12
95°	9	133	356	453	470	8
105°	13	77	206	269	281	13
115°	15	43	127	170	178	15
125°	15	21	77	110	116	13
135°	13	17	39	67	75	10
145°	19	17	19	34	39	11
155°	19	21	19	17	19	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7645.3	7645.3	7645.3	7645.3	7645.3
2.5°	7622.8	7641.5	7630.3	7654.6	7652.8
5°	7596.6	7617.2	7607.8	7637.8	7628.4
7.5°	7551.7	7574.2	7572.3	7606.0	7602.2
10°	7486.2	7510.6	7518.0	7562.9	7562.9
12.5°	7396.4	7428.2	7446.9	7501.2	7503.1
15°	7289.8	7325.3	7359.0	7420.7	7428.2
17.5°	7160.7	7205.6	7252.3	7323.4	7332.8
20°	7014.7	7065.2	7128.8	7203.7	7214.9
22.5°	6846.3	6906.2	6988.5	7076.5	7089.6
25°	6657.3	6730.3	6825.7	6932.4	6949.2
27.5°	6442.2	6526.4	6655.5	6775.2	6790.2
30°	6208.3	6307.4	6468.4	6610.6	6634.9
32.5°	5961.3	6075.4	6273.8	6432.8	6466.5
35°	5691.9	5824.7	6064.2	6247.6	6285.0
37.5°	5426.2	5572.1	5843.4	6053.0	6097.9
40°	5115.6	5297.1	5607.7	5839.7	5893.9
42.5°	4823.7	5020.1	5371.9	5624.5	5676.9
45°	4492.5	4718.9	5113.7	5392.5	5450.5
47.5°	4181.9	4427.0	4864.8	5153.0	5212.9
50°	3854.4	4123.9	4599.1	4900.4	4962.1
52.5°	3527.0	3817.0	4324.1	4636.6	4694.6
55°	3182.7	3512.0	4045.3	4350.3	4402.7
57.5°	2862.8	3210.8	3759.0	4049.0	4080.8
60°	2546.6	2907.7	3467.1	3721.6	3732.8
62.5°	2237.8	2617.7	3167.8	3369.8	3354.9
65°	1942.2	2338.9	2862.8	3005.0	2971.3
67.5°	1657.8	2067.6	2550.3	2642.0	2597.1
70°	1388.3	1803.7	2247.2	2294.0	2252.8
72.5°	1150.7	1553.0	1940.3	1979.6	1949.7
75°	915.0	1313.5	1657.8	1700.8	1684.0
77.5°	694.2	1081.5	1397.7	1453.8	1457.6
80°	499.6	870.1	1171.3	1259.2	1270.5
82.5°	329.3	675.5	982.3	1094.6	1111.4
85°	190.9	503.3	830.8	944.9	961.7
87.5°	82.3	363.0	668.0	770.9	791.5
90°	0.0	196.5	475.3	598.7	623.1
92.5°	5.6	162.8	407.9	520.2	540.7
95°	9.4	132.8	355.5	452.8	469.6
97.5°	11.2	112.3	308.7	394.8	411.6
100°	11.2	97.3	267.6	346.2	361.1
102.5°	11.2	86.1	233.9	303.1	316.2
105°	13.1	76.7	205.8	269.4	280.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	15.0	50.5	142.2	190.9	198.3
115°	15.0	43.0	127.2	170.3	177.8
117.5°	16.8	37.4	112.3	153.4	159.0
120°	16.8	31.8	99.2	136.6	144.1
122.5°	16.8	26.2	87.9	123.5	129.1
125°	15.0	20.6	76.7	110.4	116.0
127.5°	13.1	16.8	65.5	99.2	104.8
130°	13.1	15.0	56.1	87.9	93.6
132.5°	13.1	16.8	46.8	76.7	84.2
135°	13.1	16.8	39.3	67.4	74.8
137.5°	13.1	16.8	31.8	58.0	65.5
140°	15.0	16.8	26.2	48.6	56.1
142.5°	16.8	16.8	20.6	41.2	46.8
145°	18.7	16.8	18.7	33.7	39.3
147.5°	18.7	18.7	18.7	26.2	31.8
150°	18.7	20.6	18.7	20.6	26.2
152.5°	18.7	20.6	18.7	16.8	20.6
155°	18.7	20.6	18.7	16.8	18.7
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°	13.1	67.4	181.5	239.5	248.9
110°	13.1	59.9	160.9	213.3	222.7



(END OF REPORT)