

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: P828809

Luminaire Tested: **OHB-12SE-MCL-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-12SE-MCL-UNV-L740-CD  
Description: 12000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

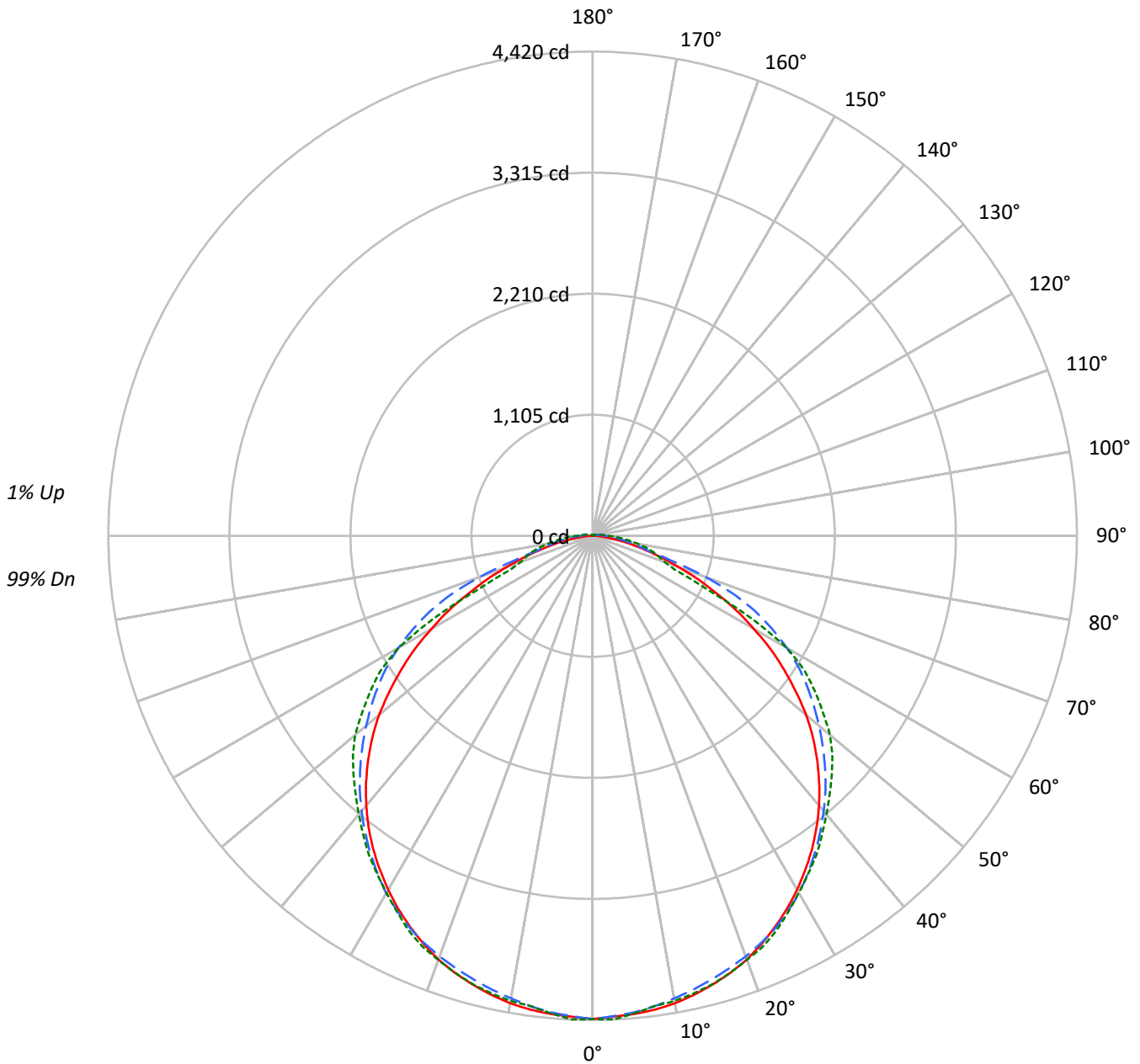
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12468.0 lumens  
Efficiency: N/A  
Efficacy: 164.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 76  
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									
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	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

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

	0°	45°	90°
0°	28068	28068	28068
5°	27782	27425	27485
10°	27579	26782	26953
15°	27302	26249	26548
20°	27022	25831	26087
25°	26587	25409	25626
30°	26119	24872	24905
35°	25576	24153	24392
40°	24900	23409	23770
45°	24004	22575	23324
50°	22833	21646	22815
55°	21060	20700	21604
60°	18792	19441	19578
65°	15901	17425	12101
70°	12567	13165	8490
75°	9158	7468	8230
80°	6073	5794	7325
85°	3118	4705	6068



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	415.9	3.3
10°-20°	1192.7	9.6
20°-30°	1821.6	14.6
30°-40°	2210.3	17.7
40°-50°	2316.6	18.6
50°-60°	2099.2	16.8
60°-70°	1407.4	11.3
70°-80°	632.0	5.1
80°-90°	229.3	1.8
90°-100°	69.0	0.6
100°-110°	32.6	0.3
110°-120°	16.3	0.1
120°-130°	9.0	0.1
130°-140°	6.2	0.0
140°-150°	4.2	0.0
150°-160°	3.1	0.0
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-30°	3430.3	27.5
0°-40°	5640.5	45.2
0°-60°	10056.3	80.7
0°-90°	12325.0	98.9
90°-120°	117.9	0.9
90°-150°	137.3	1.1
90°-180°	143.0	1.1
0°-180°	12468.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4411	4411	4411	4411	4411	
5°	4382	4398	4367	4381	4375	417
15°	4240	4224	4194	4231	4236	1197
25°	3939	3922	3949	3986	3974	1816
35°	3491	3500	3536	3573	3559	2182
45°	2898	2945	3000	3076	3086	2232
55°	2132	2235	2387	2483	2477	1903
65°	1251	1447	1643	1387	1132	1247
75°	492	714	526	538	573	538
85°	85	163	209	252	264	104
90°	1	54	108	135	142	5
95°	1	34	74	90	92	1
105°	3	15	36	44	46	3
115°	5	8	18	24	25	5
125°	4	5	12	13	14	4
135°	6	6	7	10	11	5
145°	6	6	6	7	8	4
155°	6	7	7	7	6	3
165°	7	7	7	7	7	2
175°	7	7	6	6	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4411.2	4411.2	4411.2	4411.2	4411.2
2.5°	4393.3	4411.8	4388.9	4413.7	4420.1
5°	4382.5	4397.8	4367.2	4380.6	4374.8
7.5°	4362.7	4367.8	4331.5	4342.3	4330.8
10°	4333.4	4330.8	4288.1	4309.1	4311.7
12.5°	4290.0	4282.3	4244.1	4276.0	4276.6
15°	4240.3	4223.7	4193.7	4230.7	4235.8
17.5°	4182.8	4161.2	4141.4	4189.2	4181.6
20°	4115.9	4090.4	4086.5	4138.8	4119.7
22.5°	4033.0	4013.2	4022.1	4071.9	4059.7
25°	3939.2	3922.0	3949.4	3985.8	3974.3
27.5°	3840.3	3830.1	3861.4	3889.4	3867.1
30°	3731.9	3726.2	3767.6	3790.6	3762.5
32.5°	3613.9	3615.8	3655.4	3686.6	3660.5
35°	3491.4	3499.7	3535.5	3573.1	3559.1
37.5°	3356.9	3375.4	3411.1	3453.8	3439.1
40°	3214.6	3241.4	3281.0	3332.6	3319.2
42.5°	3060.9	3094.7	3145.7	3203.2	3201.9
45°	2897.6	2944.8	2999.7	3076.2	3085.8
47.5°	2728.0	2780.9	2850.4	2952.5	2967.2
50°	2543.6	2610.0	2696.7	2819.2	2828.1
52.5°	2338.3	2428.8	2543.6	2661.0	2650.2
55°	2132.2	2234.9	2387.4	2483.0	2477.3
57.5°	1926.9	2042.3	2227.3	2295.5	2294.9
60°	1697.2	1843.3	2045.5	2097.2	2046.1
62.5°	1484.9	1641.8	1851.6	1814.0	1639.2
65°	1251.4	1447.2	1643.0	1386.6	1132.1
67.5°	1044.1	1248.2	1395.6	949.7	813.2
70°	835.5	1060.7	1088.1	704.8	695.2
72.5°	650.6	890.4	750.7	603.4	634.0
75°	492.4	714.4	525.6	537.7	572.8
77.5°	359.1	548.5	408.8	471.4	500.1
80°	246.8	388.4	333.6	396.1	415.9
82.5°	155.0	256.4	267.2	318.9	339.3
85°	84.8	162.6	208.6	251.9	264.1
87.5°	35.1	98.2	159.5	194.5	204.7
90°	0.6	54.2	107.8	135.2	141.6
92.5°	0.6	41.5	88.0	109.1	113.5
95°	0.6	33.8	74.0	89.9	92.5
97.5°	1.3	26.8	61.9	74.6	77.2
100°	1.9	22.3	51.7	62.5	64.4
102.5°	2.6	17.9	43.4	52.3	54.2
105°	2.6	14.7	36.4	44.0	45.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.5	8.9	21.7	27.4	28.7
115°	5.1	7.7	18.5	23.6	24.9
117.5°	5.1	6.4	15.9	19.8	21.0
120°	5.1	5.7	14.0	17.2	17.9
122.5°	5.1	5.1	12.1	15.3	15.9
125°	4.5	5.1	11.5	13.4	14.0
127.5°	5.1	5.1	10.2	12.1	12.8
130°	5.1	5.7	8.9	11.5	11.5
132.5°	5.7	6.4	8.3	10.8	10.8
135°	5.7	6.4	7.0	10.2	10.8
137.5°	6.4	6.4	6.4	9.6	10.2
140°	6.4	6.4	5.7	8.3	8.9
142.5°	5.7	6.4	5.7	7.7	8.3
145°	5.7	6.4	6.4	7.0	7.7
147.5°	6.4	6.4	6.4	6.4	7.0
150°	6.4	6.4	6.4	6.4	6.4
152.5°	6.4	6.4	6.4	6.4	6.4
155°	6.4	7.0	7.0	7.0	6.4
157.5°	6.4	7.0	7.0	7.0	7.0
160°	6.4	7.0	7.0	7.0	7.0
162.5°	7.0	7.0	7.0	7.0	7.0
165°	7.0	7.0	7.0	7.0	7.0
167.5°	7.0	7.7	7.0	7.0	7.0
170°	7.0	7.0	7.0	6.4	6.4
172.5°	7.0	7.0	7.0	6.4	6.4
175°	7.0	7.0	6.4	5.7	5.7
177.5°	7.7	7.0	6.4	5.7	5.1
180°	6.4	6.4	6.4	6.4	6.4



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	3.2	12.1	31.3	37.6	38.9
110°	3.8	10.2	26.2	31.9	33.2



(END OF REPORT)