

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: P829731

Luminaire Tested: **OHBL-12SE-A-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829731  
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: OHBL-12SE-A-UNV-L730-CD  
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

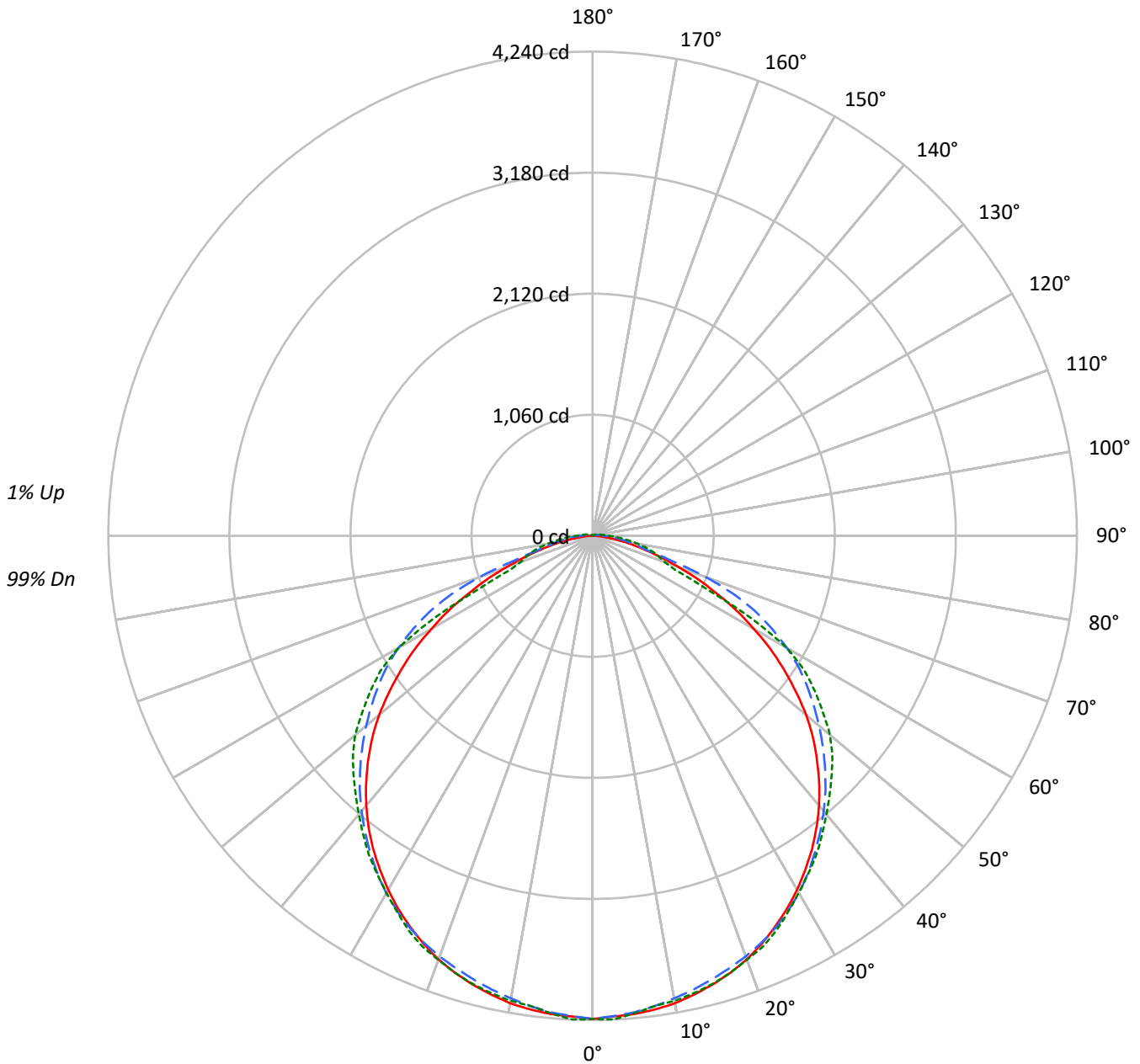
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11959.0 lumens  
Efficiency: N/A  
Efficacy: 170.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 70  
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	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°	13765	13765	13765
5°	13675	13484	13479
10°	13625	13201	13218
15°	13538	12972	13020
20°	13452	12798	12793
25°	13290	12622	12567
30°	13113	12389	12214
35°	12902	12066	11962
40°	12628	11732	11657
45°	12247	11354	11439
50°	11732	10931	11189
55°	10913	10501	10595
60°	9841	9917	9602
65°	8442	8949	5935
70°	6799	6820	4163
75°	5098	3914	4036
80°	3549	3089	3592
85°	2020	2579	2976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.0	3.3
10°-20°	1144.0	9.6
20°-30°	1747.3	14.6
30°-40°	2120.0	17.7
40°-50°	2222.0	18.6
50°-60°	2013.5	16.8
60°-70°	1349.9	11.3
70°-80°	606.2	5.1
80°-90°	220.0	1.8
90°-100°	66.2	0.6
100°-110°	31.2	0.3
110°-120°	15.7	0.1
120°-130°	8.6	0.1
130°-140°	5.9	0.0
140°-150°	4.0	0.0
150°-160°	3.0	0.0
160°-170°	1.9	0.0
170°-180°	0.6	0.0
0°-30°	3290.2	27.5
0°-40°	5410.3	45.2
0°-60°	9645.7	80.7
0°-90°	11821.8	98.9
90°-120°	113.1	0.9
90°-150°	131.7	1.1
90°-180°	137.0	1.1
0°-180°	11959.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4231	4231	4231	4231	4231	
5°	4204	4218	4189	4202	4196	400
15°	4067	4051	4022	4058	4063	1148
25°	3778	3762	3788	3823	3812	1742
35°	3349	3357	3391	3427	3414	2093
45°	2779	2825	2877	2951	2960	2141
55°	2045	2144	2290	2382	2376	1826
65°	1200	1388	1576	1330	1086	1196
75°	472	685	504	516	549	516
85°	81	156	200	242	253	99
90°	1	52	103	130	136	5
95°	1	32	71	86	89	1
105°	2	14	35	42	44	3
115°	5	7	18	23	24	5
125°	4	5	11	13	14	4
135°	6	6	7	10	10	4
145°	6	6	6	7	7	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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CATALOG NUMBER: OHBL-12SE-A-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4231.1	4231.1	4231.1	4231.1	4231.1
2.5°	4214.0	4231.7	4209.7	4233.6	4239.7
5°	4203.6	4218.3	4188.9	4201.7	4196.2
7.5°	4184.6	4189.5	4154.6	4165.0	4154.0
10°	4156.5	4154.0	4113.0	4133.2	4135.7
12.5°	4114.9	4107.5	4070.8	4101.4	4102.0
15°	4067.1	4051.2	4022.5	4058.0	4062.9
17.5°	4012.1	3991.3	3972.3	4018.2	4010.9
20°	3947.8	3923.4	3919.7	3969.9	3951.5
22.5°	3868.3	3849.4	3857.9	3905.6	3894.0
25°	3778.4	3761.9	3788.2	3823.0	3812.0
27.5°	3683.6	3673.8	3703.7	3730.7	3709.3
30°	3579.6	3574.0	3613.8	3635.8	3608.9
32.5°	3466.4	3468.2	3506.1	3536.1	3511.0
35°	3348.9	3356.9	3391.1	3427.2	3413.8
37.5°	3219.8	3237.6	3271.8	3312.8	3298.7
40°	3083.4	3109.1	3147.0	3196.6	3183.7
42.5°	2936.0	2968.4	3017.3	3072.4	3071.2
45°	2779.3	2824.6	2877.2	2950.6	2959.8
47.5°	2616.6	2667.4	2734.1	2832.0	2846.0
50°	2439.8	2503.4	2586.6	2704.1	2712.7
52.5°	2242.8	2329.7	2439.8	2552.4	2542.0
55°	2045.2	2143.7	2289.9	2381.7	2376.2
57.5°	1848.2	1958.9	2136.4	2201.8	2201.2
60°	1628.0	1768.1	1962.0	2011.5	1962.6
62.5°	1424.2	1574.7	1776.0	1739.9	1572.3
65°	1200.3	1388.1	1576.0	1330.0	1085.9
67.5°	1001.5	1197.3	1338.6	910.9	780.0
70°	801.4	1017.4	1043.7	676.0	666.8
72.5°	624.0	854.1	720.1	578.7	608.1
75°	472.3	685.2	504.1	515.7	549.4
77.5°	344.4	526.1	392.2	452.1	479.6
80°	236.8	372.6	320.0	379.9	398.9
82.5°	148.7	245.9	256.3	305.9	325.5
85°	81.4	156.0	200.1	241.7	253.3
87.5°	33.6	94.2	152.9	186.6	196.4
90°	0.6	52.0	103.4	129.7	135.8
92.5°	0.6	39.8	84.4	104.6	108.9
95°	0.6	32.4	71.0	86.3	88.7
97.5°	1.2	25.7	59.3	71.6	74.0
100°	1.8	21.4	49.6	60.0	61.8
102.5°	2.4	17.1	41.6	50.2	52.0
105°	2.4	14.1	34.9	42.2	44.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.3	8.6	20.8	26.3	27.5
115°	4.9	7.3	17.7	22.6	23.9
117.5°	4.9	6.1	15.3	19.0	20.2
120°	4.9	5.5	13.5	16.5	17.1
122.5°	4.9	4.9	11.6	14.7	15.3
125°	4.3	4.9	11.0	12.8	13.5
127.5°	4.9	4.9	9.8	11.6	12.2
130°	4.9	5.5	8.6	11.0	11.0
132.5°	5.5	6.1	8.0	10.4	10.4
135°	5.5	6.1	6.7	9.8	10.4
137.5°	6.1	6.1	6.1	9.2	9.8
140°	6.1	6.1	5.5	8.0	8.6
142.5°	5.5	6.1	5.5	7.3	8.0
145°	5.5	6.1	6.1	6.7	7.3
147.5°	6.1	6.1	6.1	6.1	6.7
150°	6.1	6.1	6.1	6.1	6.1
152.5°	6.1	6.1	6.1	6.1	6.1
155°	6.1	6.7	6.7	6.7	6.1
157.5°	6.1	6.7	6.7	6.7	6.7
160°	6.1	6.7	6.7	6.7	6.7
162.5°	6.7	6.7	6.7	6.7	6.7
165°	6.7	6.7	6.7	6.7	6.7
167.5°	6.7	7.3	6.7	6.7	6.7
170°	6.7	6.7	6.7	6.1	6.1
172.5°	6.7	6.7	6.7	6.1	6.1
175°	6.7	6.7	6.1	5.5	5.5
177.5°	7.3	6.7	6.1	5.5	4.9
180°	6.1	6.1	6.1	6.1	6.1



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	3.1	11.6	30.0	36.1	37.3
110°	3.7	9.8	25.1	30.6	31.8



(END OF REPORT)