

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: P829788

Luminaire Tested: **OHBL-12SE-NL-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829788  
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: OHBL-12SE-NL-UNV-L935-CD  
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

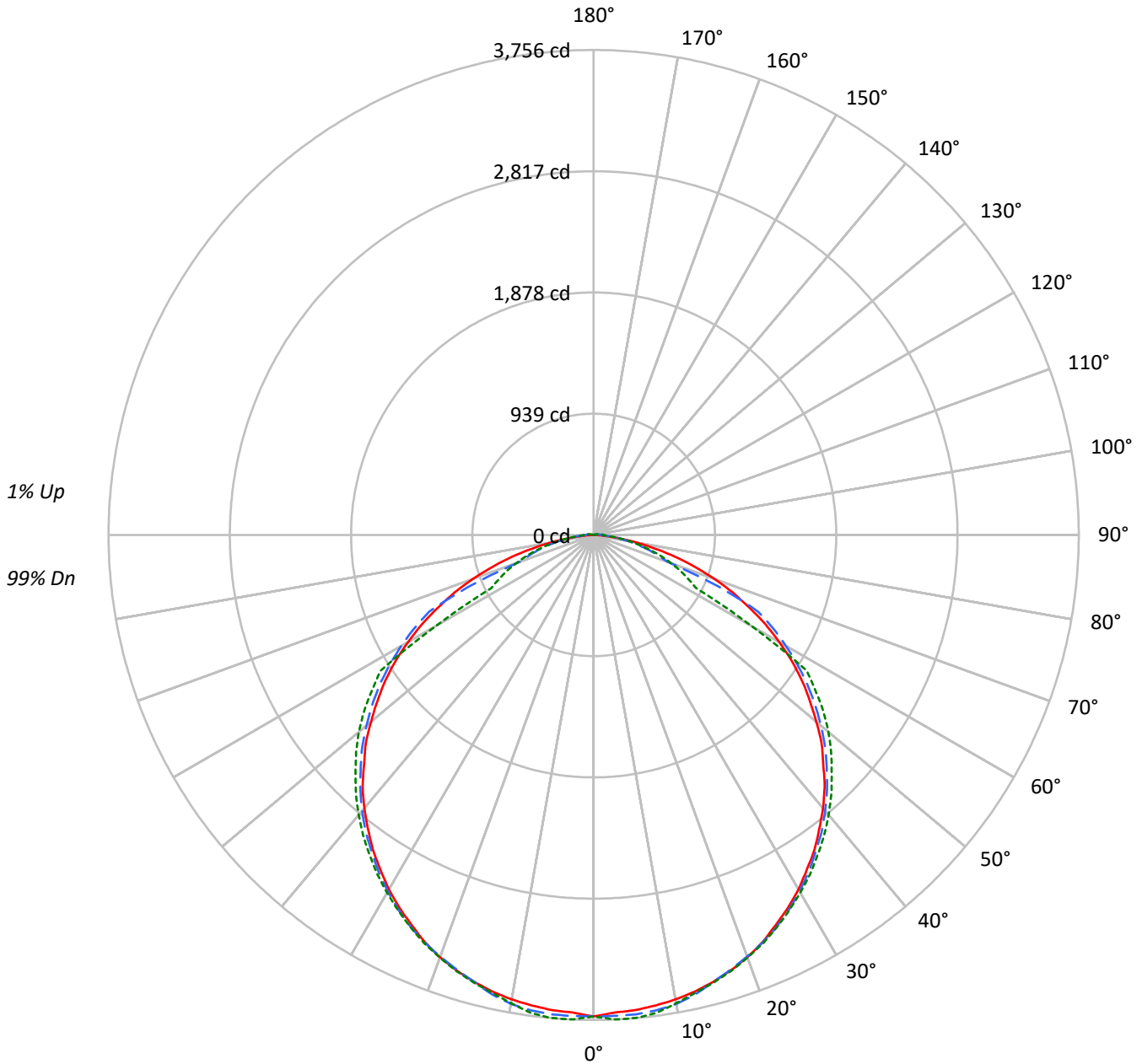
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10469.0 lumens  
Efficiency: N/A  
Efficacy: 149.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 0.88' x L: 3.78' x H: 0')  
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					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°	12131	12131	12131
5°	12064	12173	12265
10°	12067	12182	12167
15°	12065	12063	12089
20°	12049	12030	12060
25°	11966	12027	12037
30°	11911	11972	12019
35°	11834	11899	12010
40°	11732	11843	12018
45°	11562	11737	11993
50°	11388	11620	12004
55°	11170	11460	11872
60°	10796	11179	9243
65°	10214	10809	6220
70°	9447	5738	6037
75°	8241	5453	5765
80°	6338	5002	5283
85°	3199	5054	5177



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.2	3.4
10°-20°	1014.3	9.7
20°-30°	1543.4	14.7
30°-40°	1876.5	17.9
40°-50°	1973.1	18.8
50°-60°	1801.6	17.2
60°-70°	1154.9	11.0
70°-80°	545.6	5.2
80°-90°	151.3	1.4
90°-100°	40.1	0.4
100°-110°	11.0	0.1
110°-120°	3.0	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°	2911.9	27.8
0°-40°	4788.4	45.7
0°-60°	8563.1	81.8
0°-90°	10414.9	99.5
90°-120°	54.1	0.5
90°-150°	54.1	0.5
90°-180°	54.0	0.5
0°-180°	10469.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3729	3729	3729	3729	3729	
5°	3694	3708	3728	3748	3756	351
15°	3582	3609	3582	3587	3589	1011
25°	3334	3339	3351	3356	3353	1538
35°	2980	2962	2996	3033	3024	1862
45°	2513	2508	2551	2611	2607	1942
55°	1969	1954	2020	2088	2093	1756
65°	1327	1327	1404	805	808	1316
75°	656	668	434	457	459	691
85°	86	109	135	147	139	127
90°	0	37	60	71	70	4
95°	2	19	43	58	58	1
105°	3	7	10	10	10	3
115°	3	5	6	5	1	2
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°	3728.8	3728.8	3728.8	3728.8	3728.8
2.5°	3702.6	3715.1	3728.8	3746.5	3756.2
5°	3694.1	3708.5	3727.5	3747.8	3755.6
7.5°	3675.8	3696.0	3714.4	3728.8	3733.4
10°	3652.9	3677.1	3687.6	3686.3	3683.0
12.5°	3622.1	3647.7	3644.4	3629.3	3631.9
15°	3582.2	3609.0	3581.6	3586.8	3589.4
17.5°	3535.1	3561.3	3529.2	3539.7	3540.4
20°	3480.2	3499.8	3474.9	3483.4	3483.4
22.5°	3414.1	3427.8	3417.3	3423.2	3424.6
25°	3333.6	3338.8	3350.6	3355.8	3353.2
27.5°	3256.4	3249.8	3272.8	3285.2	3278.6
30°	3170.7	3160.2	3187.0	3207.3	3199.5
32.5°	3072.5	3066.0	3096.8	3120.9	3116.4
35°	2979.6	2962.0	2996.0	3032.6	3024.1
37.5°	2869.7	2859.2	2897.8	2936.5	2931.9
40°	2762.4	2744.7	2788.6	2834.4	2829.8
42.5°	2647.3	2626.3	2674.1	2729.1	2723.8
45°	2513.1	2508.5	2551.0	2611.2	2606.7
47.5°	2394.1	2371.1	2430.6	2488.9	2494.2
50°	2250.1	2241.6	2295.9	2366.6	2371.8
52.5°	2109.4	2103.6	2160.4	2231.8	2240.9
55°	1969.4	1954.3	2020.4	2087.8	2093.1
57.5°	1819.6	1803.9	1871.3	1944.6	1955.7
60°	1659.2	1644.2	1718.1	1786.2	1420.5
62.5°	1499.0	1488.5	1565.7	1109.0	893.8
65°	1326.9	1326.9	1404.1	805.4	808.0
67.5°	1166.0	1155.5	1046.9	723.6	723.6
70°	993.2	997.2	603.2	634.0	634.7
72.5°	819.8	834.2	520.8	545.6	547.0
75°	655.6	668.0	433.8	456.7	458.6
77.5°	481.6	370.3	348.7	366.4	367.1
80°	338.3	233.6	267.0	283.9	282.0
82.5°	197.6	163.5	195.6	208.1	207.4
85°	85.7	108.6	135.4	146.6	138.7
87.5°	27.4	67.4	84.4	91.0	90.3
90°	0.0	36.6	60.2	71.3	70.0
92.5°	0.0	28.7	52.4	65.5	66.1
95°	1.9	19.0	43.2	58.3	58.3
97.5°	1.3	13.7	30.8	45.8	47.1
100°	1.3	11.1	20.3	32.7	33.4
102.5°	3.3	9.1	12.4	20.9	21.6
105°	3.3	7.2	10.5	10.5	9.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.9	5.3	7.2	5.3	0.6
115°	3.3	4.6	6.5	4.6	0.6
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°	3.3	6.5	9.1	5.9	1.9
110°	3.9	5.9	7.8	5.3	0.6



(END OF REPORT)