

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: P830304

Luminaire Tested: **OHBL-30SE-W-UNV-L935-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P830304  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-W-UNV-L935-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

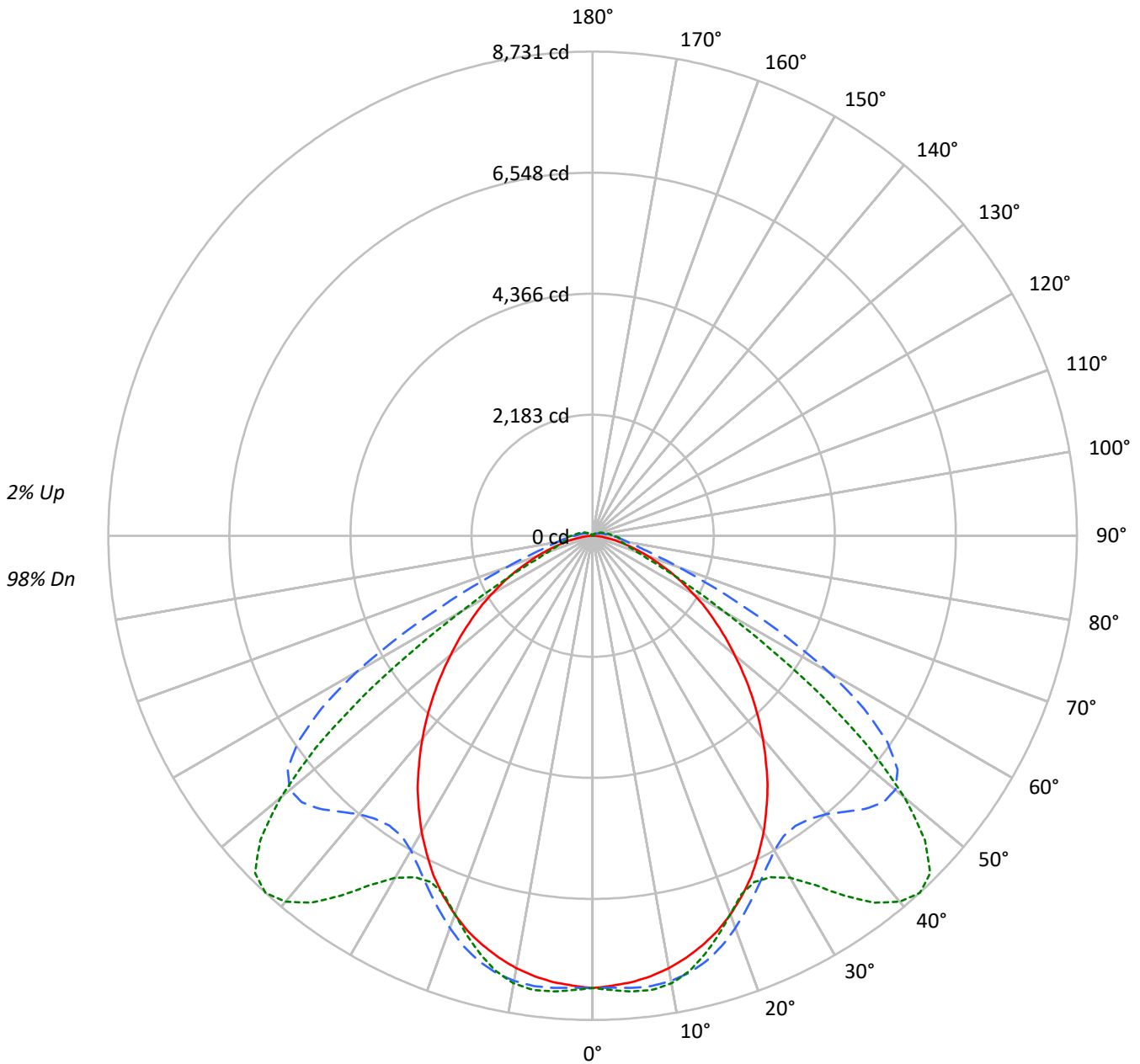
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24419.0 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 174  
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	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

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

	0°	45°	90°
0°	13930	13930	13930
5°	13800	13910	14020
10°	13627	13889	13968
15°	13361	13659	13454
20°	12997	13189	12729
25°	12509	12621	12407
30°	11861	12198	13274
35°	11122	12424	15436
40°	10264	13455	17720
45°	9367	15262	18897
50°	8431	16876	17424
55°	7551	16855	13167
60°	6656	14259	7941
65°	5711	9845	4725
70°	4640	6364	3329
75°	3530	4560	2976
80°	2534	4003	3158
85°	1720	4396	4393



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	779.4	3.2
10°-20°	2206.9	9.0
20°-30°	3229.4	13.2
30°-40°	4194.0	17.2
40°-50°	5121.5	21.0
50°-60°	4510.2	18.5
60°-70°	2350.3	9.6
70°-80°	1007.9	4.1
80°-90°	484.0	2.0
90°-100°	227.4	0.9
100°-110°	141.3	0.6
110°-120°	83.6	0.3
120°-130°	45.4	0.2
130°-140°	22.8	0.1
140°-150°	11.0	0.0
150°-160°	3.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6215.6	25.5
0°-40°	10409.7	42.6
0°-60°	20041.4	82.1
0°-90°	23883.6	97.8
90°-120°	452.3	1.9
90°-150°	531.5	2.2
90°-180°	535.0	2.2
0°-180°	24419.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8156	8156	8156	8156	8156	
5°	8080	8141	8185	8258	8249	766
15°	7645	7860	7936	7876	7812	2153
25°	6774	7137	7015	6883	6890	3109
35°	5499	6079	6384	7445	7922	3427
45°	4049	5094	6962	8430	8606	3122
55°	2696	4462	6484	5685	5053	2419
65°	1547	3092	2968	1650	1420	1530
75°	623	1446	954	653	619	679
85°	132	516	486	475	480	147
90°	2	186	320	366	375	9
95°	4	109	255	299	308	3
105°	7	62	165	199	202	7
115°	11	35	102	125	128	11
125°	12	18	60	77	79	10
135°	11	11	28	48	49	8
145°	14	11	12	23	26	8
155°	14	14	11	11	11	4
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°	8155.5	8155.5	8155.5	8155.5	8155.5
2.5°	8120.3	8155.5	8157.3	8206.5	8201.2
5°	8079.8	8141.4	8185.4	8257.6	8248.8
7.5°	8013.0	8109.8	8187.2	8266.4	8259.3
10°	7918.0	8049.9	8152.0	8217.1	8196.0
12.5°	7794.8	7969.0	8069.3	8083.4	8042.9
15°	7645.2	7859.9	7935.6	7875.7	7812.4
17.5°	7476.3	7727.9	7754.3	7624.1	7544.9
20°	7265.2	7552.0	7525.6	7346.1	7258.1
22.5°	7031.1	7358.4	7274.0	7085.7	7001.2
25°	6774.3	7136.7	7015.3	6883.3	6890.4
27.5°	6473.4	6885.1	6767.2	6827.0	6939.7
30°	6167.2	6621.2	6549.0	6897.4	7119.1
32.5°	5831.1	6350.2	6415.3	7103.3	7465.8
35°	5498.6	6079.2	6383.6	7444.6	7921.5
37.5°	5130.8	5804.7	6434.7	7838.8	8338.5
40°	4773.7	5537.3	6550.8	8192.5	8614.7
42.5°	4409.4	5298.0	6746.1	8401.8	8730.9
45°	4048.7	5093.9	6962.5	8430.0	8605.9
47.5°	3688.0	4921.5	7112.1	8206.5	8125.6
50°	3339.6	4768.4	7122.6	7669.9	7339.1
52.5°	3014.1	4627.6	6929.1	6814.7	6300.9
55°	2695.6	4462.2	6483.9	5685.1	5053.4
57.5°	2405.3	4233.5	5797.7	4471.0	3781.3
60°	2097.4	3923.8	4910.9	3271.0	2727.3
62.5°	1814.1	3538.4	3916.8	2276.9	1960.1
65°	1546.6	3091.5	2968.4	1650.5	1420.0
67.5°	1263.4	2628.8	2190.6	1203.5	1055.7
70°	1041.7	2199.4	1631.1	936.1	849.9
72.5°	814.7	1791.2	1219.4	760.1	712.6
75°	622.9	1446.3	953.7	652.8	619.4
77.5°	459.2	1143.7	767.2	577.1	545.5
80°	322.0	900.9	642.2	515.5	503.2
82.5°	216.4	696.8	547.2	490.9	492.7
85°	132.0	515.5	485.6	475.1	480.4
87.5°	63.3	366.0	417.0	432.8	438.1
90°	1.8	186.5	320.2	366.0	374.8
92.5°	0.0	142.5	281.5	327.3	336.1
95°	3.5	109.1	255.1	299.1	307.9
97.5°	3.5	89.7	228.7	274.5	279.8
100°	5.3	77.4	204.1	248.1	253.4
102.5°	5.3	68.6	183.0	221.7	225.2
105°	7.0	61.6	165.4	198.8	202.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.6	42.2	116.1	140.8	144.3
115°	10.6	35.2	102.1	124.9	128.4
117.5°	12.3	31.7	89.7	110.9	112.6
120°	12.3	26.4	77.4	98.5	100.3
122.5°	12.3	21.1	68.6	88.0	89.7
125°	12.3	17.6	59.8	77.4	79.2
127.5°	10.6	12.3	51.0	68.6	70.4
130°	10.6	10.6	42.2	59.8	63.3
132.5°	10.6	10.6	35.2	52.8	56.3
135°	10.6	10.6	28.2	47.5	49.3
137.5°	10.6	10.6	22.9	40.5	44.0
140°	10.6	10.6	17.6	35.2	37.0
142.5°	12.3	10.6	15.8	29.9	31.7
145°	14.1	10.6	12.3	22.9	26.4
147.5°	14.1	12.3	12.3	19.4	21.1
150°	14.1	14.1	10.6	14.1	17.6
152.5°	14.1	14.1	10.6	10.6	14.1
155°	14.1	14.1	10.6	10.6	10.6
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°	8.8	54.5	147.8	177.7	181.2
110°	8.8	47.5	130.2	158.4	161.9



(END OF REPORT)