

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: P829979

Luminaire Tested: **OHBL-18SE-MFL-UNV-L930-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P829979  
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: OHBL-18SE-MFL-UNV-L930-CD  
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

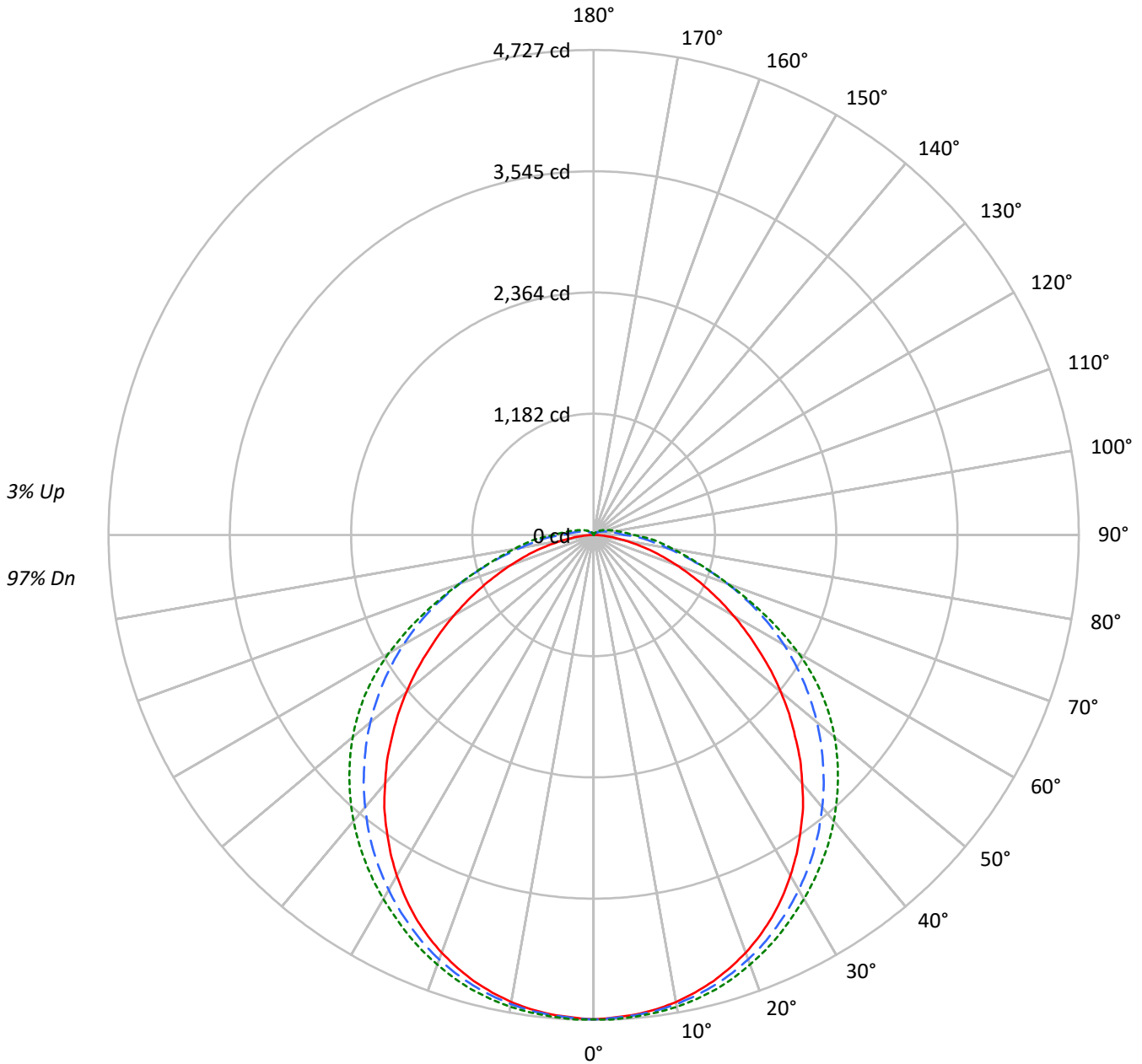
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14133.0 lumens  
Efficiency: N/A  
Efficacy: 134.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 105  
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	86	84	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	23

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

	0°	45°	90°
0°	8066	8066	8066
5°	8014	7986	8009
10°	7958	7912	7961
15°	7869	7824	7901
20°	7751	7717	7816
25°	7593	7585	7729
30°	7375	7442	7641
35°	7111	7290	7565
40°	6794	7114	7488
45°	6420	6924	7392
50°	6010	6731	7277
55°	5507	6495	7086
60°	4992	6218	6713
65°	4429	5865	6107
70°	3820	5415	5451
75°	3202	4896	4999
80°	2428	4510	4925
85°	1536	4645	5431



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	447.5	3.2
10°-20°	1283.7	9.1
20°-30°	1941.4	13.7
30°-40°	2330.6	16.5
40°-50°	2407.2	17.0
50°-60°	2165.7	15.3
60°-70°	1631.4	11.5
70°-80°	985.1	7.0
80°-90°	481.8	3.4
90°-100°	202.8	1.4
100°-110°	115.8	0.8
110°-120°	68.0	0.5
120°-130°	38.4	0.3
130°-140°	20.2	0.1
140°-150°	9.8	0.1
150°-160°	3.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3672.5	26.0
0°-40°	6003.2	42.5
0°-60°	10576.1	74.8
0°-90°	13674.4	96.8
90°-120°	386.5	2.7
90°-150°	455.0	3.2
90°-180°	459.0	3.2
0°-180°	14133.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4722	4722	4722	4722	4722	
5°	4692	4705	4699	4718	4712	446
15°	4503	4525	4546	4584	4588	1269
25°	4112	4157	4216	4282	4292	1891
35°	3516	3598	3746	3859	3882	2198
45°	2775	2915	3159	3331	3367	2142
55°	1966	2169	2499	2687	2719	1763
65°	1200	1445	1768	1856	1835	1192
75°	565	811	1024	1051	1040	603
85°	118	311	513	584	594	136
90°	0	121	294	370	385	7
95°	6	82	220	280	290	5
105°	8	47	127	166	173	8
115°	9	27	79	105	110	9
125°	9	13	47	68	72	8
135°	8	10	24	42	46	6
145°	12	10	12	21	24	7
155°	12	13	12	10	12	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°	4722.3	4722.3	4722.3	4722.3	4722.3
2.5°	4708.4	4720.0	4713.0	4728.1	4726.9
5°	4692.2	4704.9	4699.2	4717.7	4711.9
7.5°	4664.5	4678.4	4677.2	4698.0	4695.7
10°	4624.0	4639.1	4643.7	4671.4	4671.4
12.5°	4568.6	4588.2	4599.8	4633.3	4634.5
15°	4502.7	4524.7	4545.5	4583.6	4588.2
17.5°	4423.0	4450.7	4479.6	4523.5	4529.3
20°	4332.8	4364.0	4403.3	4449.5	4456.5
22.5°	4228.8	4265.8	4316.6	4370.9	4379.0
25°	4112.1	4157.1	4216.1	4282.0	4292.4
27.5°	3979.2	4031.2	4110.9	4184.9	4194.1
30°	3834.7	3895.9	3995.3	4083.2	4098.2
32.5°	3682.1	3752.6	3875.1	3973.4	3994.2
35°	3515.7	3597.8	3745.7	3859.0	3882.1
37.5°	3351.6	3441.7	3609.3	3738.8	3766.5
40°	3159.7	3271.9	3463.7	3607.0	3640.5
42.5°	2979.5	3100.8	3318.1	3474.1	3506.5
45°	2774.9	2914.7	3158.6	3330.8	3366.6
47.5°	2583.0	2734.4	3004.9	3182.9	3219.8
50°	2380.8	2547.2	2840.8	3026.8	3065.0
52.5°	2178.5	2357.7	2670.9	2863.9	2899.7
55°	1965.9	2169.3	2498.7	2687.1	2719.4
57.5°	1768.3	1983.2	2321.8	2501.0	2520.6
60°	1572.9	1796.0	2141.6	2298.7	2305.7
62.5°	1382.2	1616.9	1956.6	2081.5	2072.2
65°	1199.6	1444.7	1768.3	1856.1	1835.3
67.5°	1024.0	1277.1	1575.3	1631.9	1604.1
70°	857.5	1114.1	1388.0	1416.9	1391.5
72.5°	710.8	959.3	1198.5	1222.8	1204.3
75°	565.1	811.3	1024.0	1050.6	1040.2
77.5°	428.8	668.0	863.3	898.0	900.3
80°	308.6	537.4	723.5	777.8	784.7
82.5°	203.4	417.2	606.8	676.1	686.5
85°	117.9	310.9	513.1	583.6	594.0
87.5°	50.9	224.2	412.6	476.2	488.9
90°	0.0	121.4	293.6	369.8	384.9
92.5°	3.5	100.5	251.9	321.3	334.0
95°	5.8	82.1	219.6	279.7	290.1
97.5°	6.9	69.3	190.7	243.9	254.3
100°	6.9	60.1	165.3	213.8	223.1
102.5°	6.9	53.2	144.5	187.2	195.3
105°	8.1	47.4	127.1	166.4	173.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	9.2	31.2	87.8	117.9	122.5
115°	9.2	26.6	78.6	105.2	109.8
117.5°	10.4	23.1	69.3	94.8	98.2
120°	10.4	19.6	61.3	84.4	89.0
122.5°	10.4	16.2	54.3	76.3	79.7
125°	9.2	12.7	47.4	68.2	71.7
127.5°	8.1	10.4	40.5	61.3	64.7
130°	8.1	9.2	34.7	54.3	57.8
132.5°	8.1	10.4	28.9	47.4	52.0
135°	8.1	10.4	24.3	41.6	46.2
137.5°	8.1	10.4	19.6	35.8	40.5
140°	9.2	10.4	16.2	30.0	34.7
142.5°	10.4	10.4	12.7	25.4	28.9
145°	11.6	10.4	11.6	20.8	24.3
147.5°	11.6	11.6	11.6	16.2	19.6
150°	11.6	12.7	11.6	12.7	16.2
152.5°	11.6	12.7	11.6	10.4	12.7
155°	11.6	12.7	11.6	10.4	11.6
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°	8.1	41.6	112.1	147.9	153.7
110°	8.1	37.0	99.4	131.8	137.5



(END OF REPORT)