

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: P830259

Luminaire Tested: **OHBL-30SE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830259  
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-30SE-MFL-UNV-L730-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

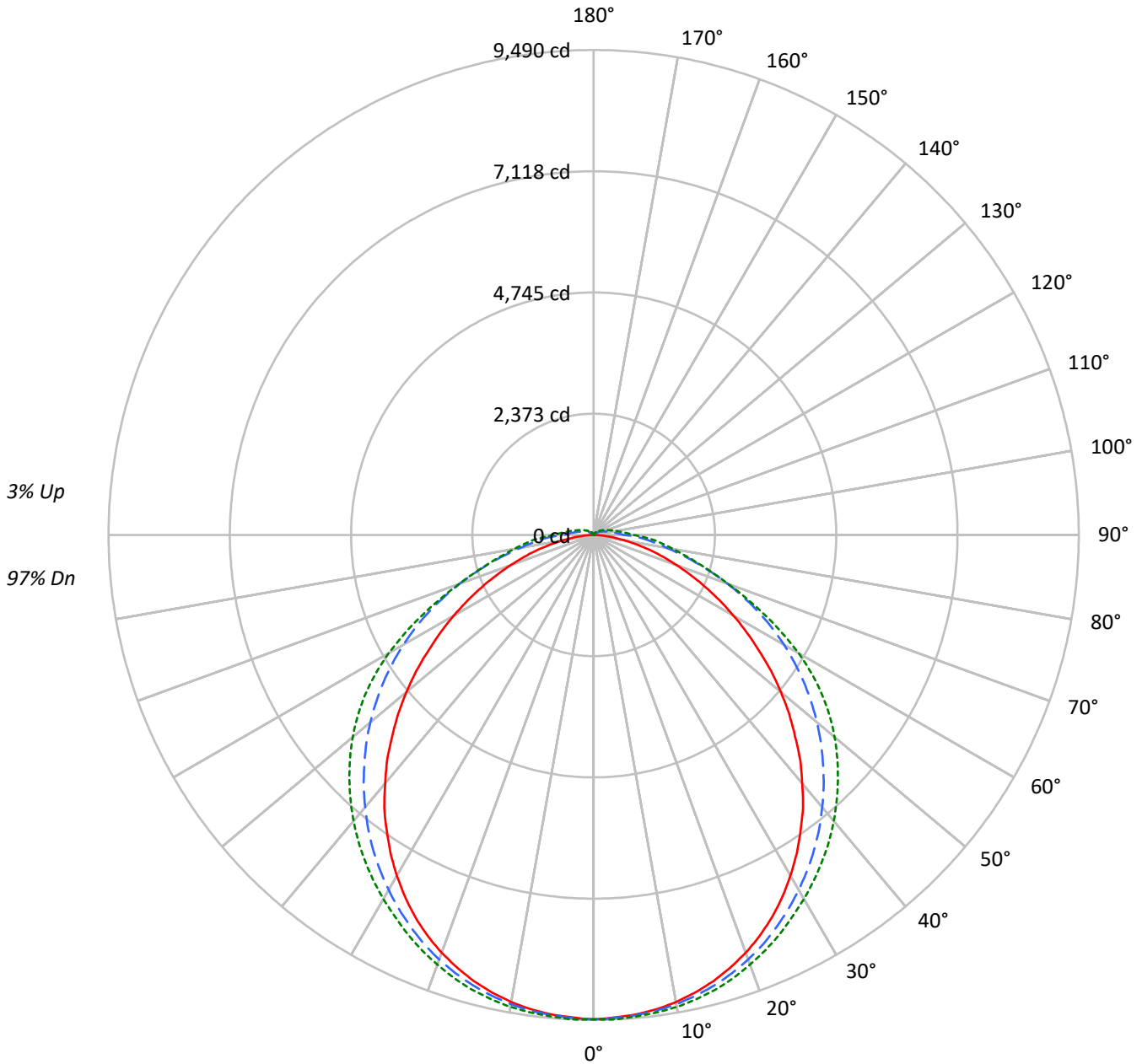
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28373.9 lumens  
Efficiency: N/A  
Efficacy: 163.1 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): 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				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	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

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

	0°	45°	90°
0°	16193	16193	16193
5°	16089	16032	16078
10°	15976	15884	15984
15°	15798	15708	15863
20°	15561	15494	15691
25°	15245	15228	15516
30°	14807	14941	15341
35°	14276	14635	15187
40°	13639	14283	15034
45°	12888	13901	14842
50°	12067	13513	14609
55°	11057	13040	14226
60°	10022	12484	13478
65°	8893	11774	12261
70°	7669	10872	10943
75°	6430	9829	10035
80°	4875	9054	9888
85°	3084	9326	10905



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	898.3	3.2
10°-20°	2577.2	9.1
20°-30°	3897.6	13.7
30°-40°	4679.1	16.5
40°-50°	4832.7	17.0
50°-60°	4348.0	15.3
60°-70°	3275.2	11.5
70°-80°	1977.7	7.0
80°-90°	967.3	3.4
90°-100°	407.1	1.4
100°-110°	232.4	0.8
110°-120°	136.4	0.5
120°-130°	77.2	0.3
130°-140°	40.6	0.1
140°-150°	19.8	0.1
150°-160°	7.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7373.1	26.0
0°-40°	12052.2	42.5
0°-60°	21232.9	74.8
0°-90°	27453.1	96.8
90°-120°	776.0	2.7
90°-150°	913.5	3.2
90°-180°	921.0	3.2
0°-180°	28373.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9481	9481	9481	9481	9481	
5°	9420	9446	9434	9471	9460	895
15°	9040	9084	9126	9202	9212	2549
25°	8256	8346	8464	8597	8618	3797
35°	7058	7223	7520	7747	7794	4412
45°	5571	5852	6341	6687	6759	4301
55°	3947	4355	5016	5395	5460	3539
65°	2408	2900	3550	3726	3685	2393
75°	1135	1629	2056	2109	2088	1210
85°	237	624	1030	1172	1193	273
90°	0	244	589	742	773	15
95°	12	165	441	562	582	10
105°	16	95	255	334	348	16
115°	19	53	158	211	220	19
125°	19	26	95	137	144	17
135°	16	21	49	84	93	13
145°	23	21	23	42	49	14
155°	23	26	23	21	23	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-30SE-MFL-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9480.7	9480.7	9480.7	9480.7	9480.7
2.5°	9452.8	9476.0	9462.1	9492.3	9489.9
5°	9420.3	9445.9	9434.3	9471.4	9459.8
7.5°	9364.6	9392.5	9390.2	9431.9	9427.3
10°	9283.4	9313.6	9322.9	9378.6	9378.6
12.5°	9172.1	9211.5	9234.7	9302.0	9304.3
15°	9039.8	9083.9	9125.7	9202.2	9211.5
17.5°	8879.7	8935.4	8993.4	9081.6	9093.2
20°	8698.7	8761.4	8840.3	8933.1	8947.0
22.5°	8489.9	8564.1	8666.2	8775.3	8791.5
25°	8255.5	8346.0	8464.4	8596.6	8617.5
27.5°	7988.7	8093.1	8253.2	8401.7	8420.3
30°	7698.7	7821.7	8021.2	8197.5	8227.7
32.5°	7392.4	7533.9	7779.9	7977.1	8018.9
35°	7058.3	7223.0	7520.0	7747.4	7793.8
37.5°	6728.8	6909.8	7246.2	7506.1	7561.8
40°	6343.6	6568.7	6953.9	7241.6	7308.9
42.5°	5981.7	6225.3	6661.5	6974.8	7039.7
45°	5571.0	5851.7	6341.3	6687.0	6759.0
47.5°	5185.8	5489.8	6032.7	6390.0	6464.3
50°	4779.8	5113.9	5703.2	6076.8	6153.4
52.5°	4373.7	4733.4	5362.2	5749.6	5821.6
55°	3946.8	4355.2	5016.4	5394.6	5459.6
57.5°	3550.0	3981.6	4661.4	5021.1	5060.5
60°	3157.9	3605.7	4299.5	4615.0	4629.0
62.5°	2775.1	3246.1	3928.2	4178.8	4160.3
65°	2408.4	2900.3	3550.0	3726.4	3684.6
67.5°	2055.8	2563.9	3162.5	3276.2	3220.5
70°	1721.6	2236.7	2786.7	2844.7	2793.6
72.5°	1427.0	1925.8	2406.1	2454.9	2417.7
75°	1134.6	1628.8	2055.8	2109.1	2088.3
77.5°	860.8	1341.1	1733.2	1802.9	1807.5
80°	619.5	1078.9	1452.5	1561.5	1575.5
82.5°	408.4	837.6	1218.1	1357.4	1378.2
85°	236.7	624.2	1030.2	1171.7	1192.6
87.5°	102.1	450.1	828.3	956.0	981.5
90°	0.0	243.6	589.4	742.5	772.7
92.5°	7.0	201.9	505.8	645.0	670.6
95°	11.6	164.7	440.9	561.5	582.4
97.5°	13.9	139.2	382.8	489.6	510.5
100°	13.9	120.7	331.8	429.3	447.8
102.5°	13.9	106.7	290.0	375.9	392.1
105°	16.2	95.1	255.2	334.1	348.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	18.6	62.6	176.3	236.7	245.9
115°	18.6	53.4	157.8	211.1	220.4
117.5°	20.9	46.4	139.2	190.3	197.2
120°	20.9	39.4	123.0	169.4	178.7
122.5°	20.9	32.5	109.1	153.1	160.1
125°	18.6	25.5	95.1	136.9	143.9
127.5°	16.2	20.9	81.2	123.0	129.9
130°	16.2	18.6	69.6	109.1	116.0
132.5°	16.2	20.9	58.0	95.1	104.4
135°	16.2	20.9	48.7	83.5	92.8
137.5°	16.2	20.9	39.4	71.9	81.2
140°	18.6	20.9	32.5	60.3	69.6
142.5°	20.9	20.9	25.5	51.0	58.0
145°	23.2	20.9	23.2	41.8	48.7
147.5°	23.2	23.2	23.2	32.5	39.4
150°	23.2	25.5	23.2	25.5	32.5
152.5°	23.2	25.5	23.2	20.9	25.5
155°	23.2	25.5	23.2	20.9	23.2
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°	16.2	83.5	225.1	297.0	308.6
110°	16.2	74.2	199.5	264.5	276.1



(END OF REPORT)