

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: P830265

Luminaire Tested: **OHBL-30SE-MFL-UNV-L840-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830265  
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-L840-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

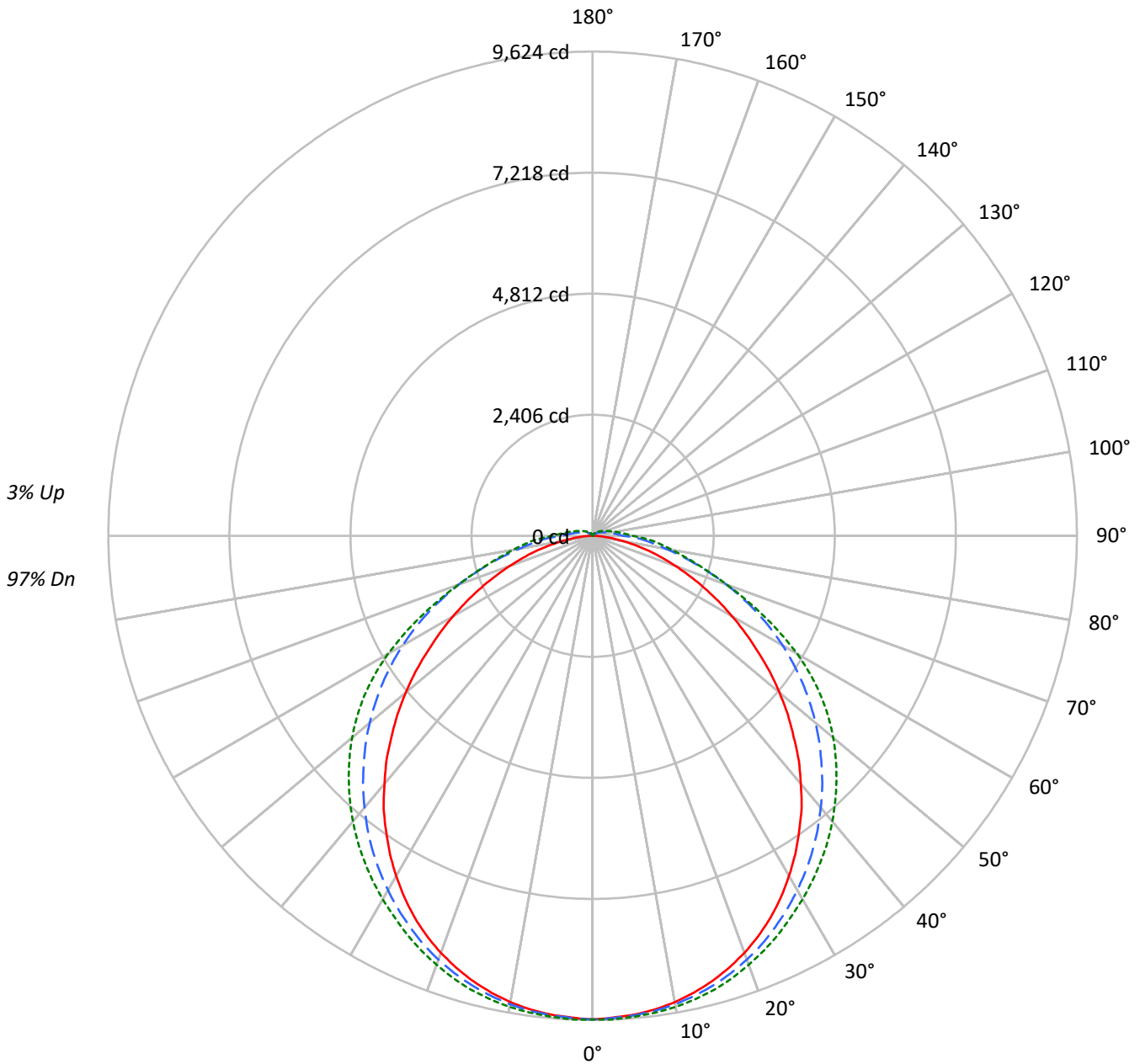
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28774.0 lumens  
Efficiency: N/A  
Efficacy: 165.4 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	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	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	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	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	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	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	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	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	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	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	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	35	29	25	23		

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

	0°	45°	90°
0°	16421	16421	16421
5°	16316	16258	16305
10°	16202	16108	16209
15°	16021	15929	16087
20°	15781	15712	15912
25°	15460	15443	15735
30°	15015	15151	15557
35°	14478	14842	15401
40°	13832	14485	15246
45°	13070	14097	15051
50°	12237	13704	14815
55°	11212	13224	14426
60°	10163	12660	13668
65°	9018	11940	12434
70°	7777	11025	11098
75°	6520	9967	10176
80°	4943	9182	10027
85°	3127	9458	11058



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	911.0	3.2
10°-20°	2613.6	9.1
20°-30°	3952.5	13.7
30°-40°	4745.1	16.5
40°-50°	4900.9	17.0
50°-60°	4409.3	15.3
60°-70°	3321.4	11.5
70°-80°	2005.6	7.0
80°-90°	980.9	3.4
90°-100°	412.9	1.4
100°-110°	235.7	0.8
110°-120°	138.3	0.5
120°-130°	78.3	0.3
130°-140°	41.2	0.1
140°-150°	20.0	0.1
150°-160°	7.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7477.1	26.0
0°-40°	12222.1	42.5
0°-60°	21532.3	74.8
0°-90°	27840.2	96.8
90°-120°	786.9	2.7
90°-150°	926.4	3.2
90°-180°	934.0	3.2
0°-180°	28774.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9614	9614	9614	9614	9614	
5°	9553	9579	9567	9605	9593	908
15°	9167	9212	9254	9332	9341	2585
25°	8372	8464	8584	8718	8739	3851
35°	7158	7325	7626	7857	7904	4475
45°	5650	5934	6431	6781	6854	4362
55°	4002	4417	5087	5471	5537	3589
65°	2442	2941	3600	3779	3736	2427
75°	1151	1652	2085	2139	2118	1227
85°	240	633	1045	1188	1209	277
90°	0	247	598	753	784	15
95°	12	167	447	569	591	10
105°	16	96	259	339	353	16
115°	19	54	160	214	224	19
125°	19	26	96	139	146	17
135°	16	21	49	85	94	13
145°	24	21	24	42	49	14
155°	24	26	24	21	24	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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9614.3	9614.3	9614.3	9614.3	9614.3
2.5°	9586.1	9609.6	9595.5	9626.1	9623.7
5°	9553.1	9579.0	9567.2	9604.9	9593.1
7.5°	9496.7	9524.9	9522.5	9564.9	9560.2
10°	9414.3	9444.9	9454.3	9510.8	9510.8
12.5°	9301.4	9341.4	9364.9	9433.1	9435.5
15°	9167.2	9211.9	9254.3	9332.0	9341.4
17.5°	9004.9	9061.4	9120.2	9209.6	9221.4
20°	8821.4	8884.9	8964.9	9059.0	9073.1
22.5°	8609.6	8684.9	8788.4	8899.0	8915.5
25°	8371.9	8463.7	8583.7	8717.8	8739.0
27.5°	8101.3	8207.2	8369.6	8520.2	8539.0
30°	7807.2	7931.9	8134.3	8313.1	8343.7
32.5°	7496.6	7640.2	7889.6	8089.6	8131.9
35°	7157.8	7324.9	7626.0	7856.6	7903.7
37.5°	6823.7	7007.2	7348.4	7611.9	7668.4
40°	6433.1	6661.3	7051.9	7343.7	7411.9
42.5°	6066.0	6313.1	6755.4	7073.1	7139.0
45°	5649.5	5934.2	6430.7	6781.3	6854.3
47.5°	5258.9	5567.2	6117.8	6480.1	6555.4
50°	4847.2	5186.0	5783.6	6162.5	6240.1
52.5°	4435.4	4800.1	5437.8	5830.7	5903.6
55°	4002.4	4416.6	5087.2	5470.7	5536.6
57.5°	3600.1	4037.7	4727.2	5091.9	5131.9
60°	3202.4	3656.5	4360.1	4680.1	4694.2
62.5°	2814.2	3291.8	3983.6	4237.7	4218.9
65°	2442.4	2941.2	3600.1	3778.9	3736.5
67.5°	2084.7	2600.1	3207.1	3322.4	3265.9
70°	1745.9	2268.3	2825.9	2884.8	2833.0
72.5°	1447.1	1953.0	2440.0	2489.5	2451.8
75°	1150.6	1651.8	2084.7	2138.9	2117.7
77.5°	873.0	1360.0	1757.7	1828.3	1833.0
80°	628.2	1094.1	1473.0	1583.6	1597.7
82.5°	414.1	849.4	1235.3	1376.5	1397.7
85°	240.0	633.0	1044.7	1188.3	1209.4
87.5°	103.5	456.5	840.0	969.4	995.3
90°	0.0	247.1	597.7	753.0	783.5
92.5°	7.1	204.7	513.0	654.1	680.0
95°	11.8	167.1	447.1	569.4	590.6
97.5°	14.1	141.2	388.2	496.5	517.7
100°	14.1	122.4	336.5	435.3	454.1
102.5°	14.1	108.2	294.1	381.2	397.7
105°	16.5	96.5	258.8	338.8	352.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	18.8	63.5	178.8	240.0	249.4
115°	18.8	54.1	160.0	214.1	223.5
117.5°	21.2	47.1	141.2	192.9	200.0
120°	21.2	40.0	124.7	171.8	181.2
122.5°	21.2	32.9	110.6	155.3	162.4
125°	18.8	25.9	96.5	138.8	145.9
127.5°	16.5	21.2	82.4	124.7	131.8
130°	16.5	18.8	70.6	110.6	117.6
132.5°	16.5	21.2	58.8	96.5	105.9
135°	16.5	21.2	49.4	84.7	94.1
137.5°	16.5	21.2	40.0	72.9	82.4
140°	18.8	21.2	32.9	61.2	70.6
142.5°	21.2	21.2	25.9	51.8	58.8
145°	23.5	21.2	23.5	42.4	49.4
147.5°	23.5	23.5	23.5	32.9	40.0
150°	23.5	25.9	23.5	25.9	32.9
152.5°	23.5	25.9	23.5	21.2	25.9
155°	23.5	25.9	23.5	21.2	23.5
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°	16.5	84.7	228.2	301.2	312.9
110°	16.5	75.3	202.4	268.2	280.0



(END OF REPORT)