

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: P827697

Luminaire Tested: **OHBL-18HE-MFL-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827697  
REPORT IS A COMBINATION OF REPORTS P826061 AND G3-2310-221-12  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-18HE-MFL-UNV-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

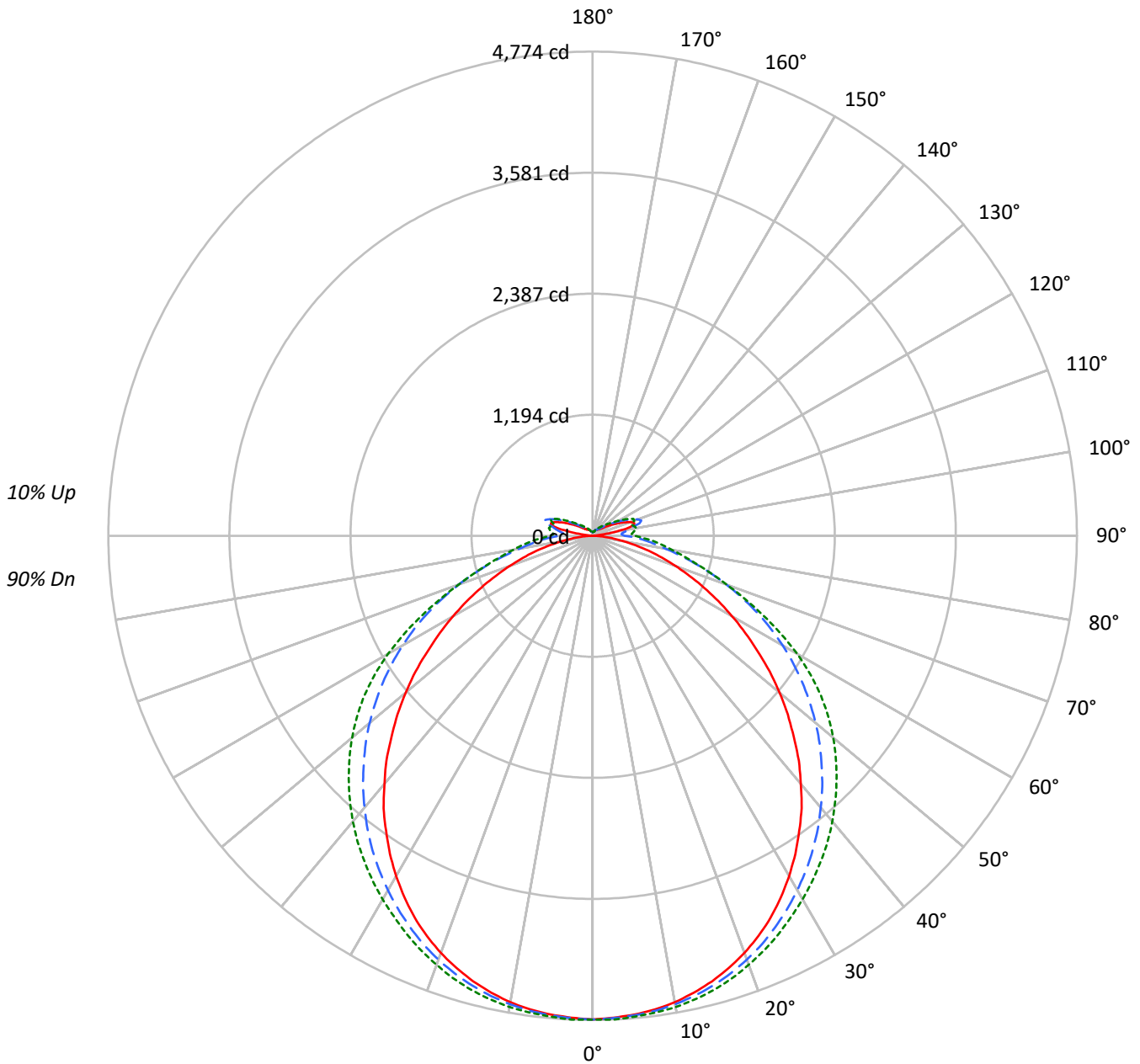
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15281.8 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 111.4  
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90																			
1	106	101	97	93	102	98	94	90	92	89	86	86	84	81	81	79	77	74																			
2	96	88	81	75	93	85	79	73	80	75	70	75	71	67	71	68	64	62																			
3	88	77	69	62	84	75	67	61	70	64	59	66	61	57	63	58	54	52																			
4	80	68	59	53	77	66	58	52	63	56	50	59	53	48	56	51	47	44																			
5	74	61	52	45	71	59	51	45	56	49	43	53	47	42	50	45	41	38																			
6	68	55	46	39	66	53	45	39	51	43	38	48	42	37	46	40	36	33																			
7	63	50	41	35	61	48	40	34	46	39	33	44	37	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	38	33	28	26																			
9	55	41	33	28	53	40	33	27	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	33	27	23	21																			

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

	0°	45°	90°
0°	8147	8147	8147
5°	8055	8066	8129
10°	7960	7991	8120
15°	7832	7903	8099
20°	7675	7795	8052
25°	7479	7661	8006
30°	7222	7517	7961
35°	6920	7363	7931
40°	6565	7186	7906
45°	6154	6993	7867
50°	5709	6799	7815
55°	5174	6561	7695
60°	4626	6281	7391
65°	4032	5924	6845
70°	3393	5470	6260
75°	2743	4945	5954
80°	1956	4555	6237
85°	1089	4692	7818



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.0	3.0
10°-20°	1296.6	8.5
20°-30°	1960.9	12.8
30°-40°	2354.1	15.4
40°-50°	2431.4	15.9
50°-60°	2187.5	14.3
60°-70°	1647.8	10.8
70°-80°	995.0	6.5
80°-90°	489.2	3.2
90°-100°	301.0	2.0
100°-110°	451.5	3.0
110°-120°	356.0	2.3
120°-130°	176.5	1.2
130°-140°	89.3	0.6
140°-150°	50.0	0.3
150°-160°	27.1	0.2
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	3709.5	24.3
0°-40°	6063.6	39.7
0°-60°	10682.4	69.9
0°-90°	13814.4	90.4
90°-120°	1108.6	7.3
90°-150°	1424.5	9.3
90°-180°	1467.0	9.6
0°-180°	15281.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4770	4770	4770	4770	4770	
5°	4739	4752	4746	4765	4759	450
15°	4548	4570	4591	4630	4634	1282
25°	4154	4199	4258	4325	4336	1910
35°	3551	3634	3783	3898	3921	2220
45°	2803	2944	3190	3364	3400	2164
55°	1986	2191	2524	2714	2747	1780
65°	1212	1459	1786	1875	1854	1204
75°	571	820	1034	1061	1051	609
85°	119	314	518	590	600	138
90°	2	137	316	399	417	9
95°	26	130	291	376	401	71
105°	426	461	481	418	405	404
115°	300	318	371	396	395	300
125°	152	161	199	218	223	141
135°	91	95	113	131	136	72
145°	72	73	75	85	89	45
155°	60	62	62	61	63	26
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4769.8	4769.8	4769.8	4769.8	4769.8
2.5°	4755.7	4767.5	4760.4	4775.6	4774.4
5°	4739.4	4752.3	4746.5	4765.1	4759.3
7.5°	4711.5	4725.4	4724.2	4745.2	4743.0
10°	4670.6	4685.7	4690.4	4718.4	4718.4
12.5°	4614.5	4634.3	4646.1	4679.9	4681.1
15°	4548.0	4570.2	4591.2	4629.7	4634.3
17.5°	4467.4	4495.5	4524.6	4569.0	4574.8
20°	4376.4	4407.9	4447.6	4494.3	4501.3
22.5°	4271.3	4308.7	4360.1	4414.9	4423.1
25°	4153.5	4199.0	4258.5	4325.0	4335.5
27.5°	4019.2	4071.7	4152.2	4226.9	4236.3
30°	3873.3	3935.1	4035.5	4124.3	4139.4
32.5°	3719.1	3790.4	3914.1	4013.4	4034.4
35°	3551.1	3633.9	3783.4	3897.8	3921.1
37.5°	3385.3	3476.4	3645.7	3776.4	3804.4
40°	3191.5	3304.8	3498.5	3643.3	3677.2
42.5°	3009.4	3132.0	3351.4	3509.1	3541.7
45°	2802.8	2944.0	3190.3	3364.3	3400.5
47.5°	2609.1	2761.9	3035.1	3214.9	3252.2
50°	2404.7	2572.8	2869.3	3057.3	3095.8
52.5°	2200.4	2381.4	2697.7	2892.7	2928.9
55°	1985.7	2191.1	2523.8	2714.1	2746.8
57.5°	1786.0	2003.1	2345.2	2526.1	2546.0
60°	1588.8	1814.1	2163.1	2321.9	2328.9
62.5°	1396.2	1633.2	1976.3	2102.4	2093.0
65°	1211.7	1459.2	1786.0	1874.8	1853.8
67.5°	1034.3	1289.9	1591.1	1648.3	1620.3
70°	866.2	1125.4	1402.0	1431.2	1405.4
72.5°	717.9	968.9	1210.6	1235.1	1216.4
75°	570.8	819.5	1034.3	1061.1	1050.6
77.5°	433.1	674.7	872.0	907.0	909.4
80°	311.7	542.8	730.7	785.6	792.7
82.5°	205.5	421.4	612.9	682.9	693.4
85°	119.1	314.0	518.3	589.5	600.0
87.5°	51.3	226.5	416.8	481.0	493.8
90°	2.4	137.1	315.9	398.6	417.0
92.5°	10.8	120.1	285.2	368.2	385.1
95°	26.0	129.7	291.3	376.3	401.3
97.5°	116.2	188.8	326.8	404.7	423.3
100°	230.1	300.8	366.6	424.5	437.9
102.5°	361.9	403.7	401.3	420.3	424.5
105°	426.1	460.9	480.9	417.9	404.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	347.3	371.8	426.6	444.0	435.0
115°	300.4	317.8	371.2	395.6	395.4
117.5°	254.6	270.7	319.8	343.1	345.0
120°	215.0	229.2	272.8	292.9	297.6
122.5°	182.7	192.5	233.5	253.3	257.5
125°	151.6	160.8	199.0	218.4	222.7
127.5°	127.0	134.2	170.2	190.4	193.9
130°	111.6	116.1	145.7	166.4	169.9
132.5°	100.3	105.1	127.0	146.5	152.0
135°	90.6	95.4	112.6	131.0	135.6
137.5°	84.1	88.1	99.9	117.0	122.5
140°	78.9	82.4	89.9	104.7	109.4
142.5°	75.2	76.8	80.8	94.4	98.7
145°	72.3	72.8	74.7	84.9	89.2
147.5°	68.2	69.8	71.5	76.1	80.5
150°	65.8	67.8	67.4	69.4	72.9
152.5°	62.6	64.6	64.2	63.9	66.2
155°	60.1	62.2	61.8	61.4	62.6
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	428.5	464.0	502.1	451.0	405.1
110°	392.9	427.8	473.0	472.6	437.2



(END OF REPORT)