

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: P830663

Luminaire Tested: **OHBL-60HE-W-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830663  
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-60HE-W-UNV-L930-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

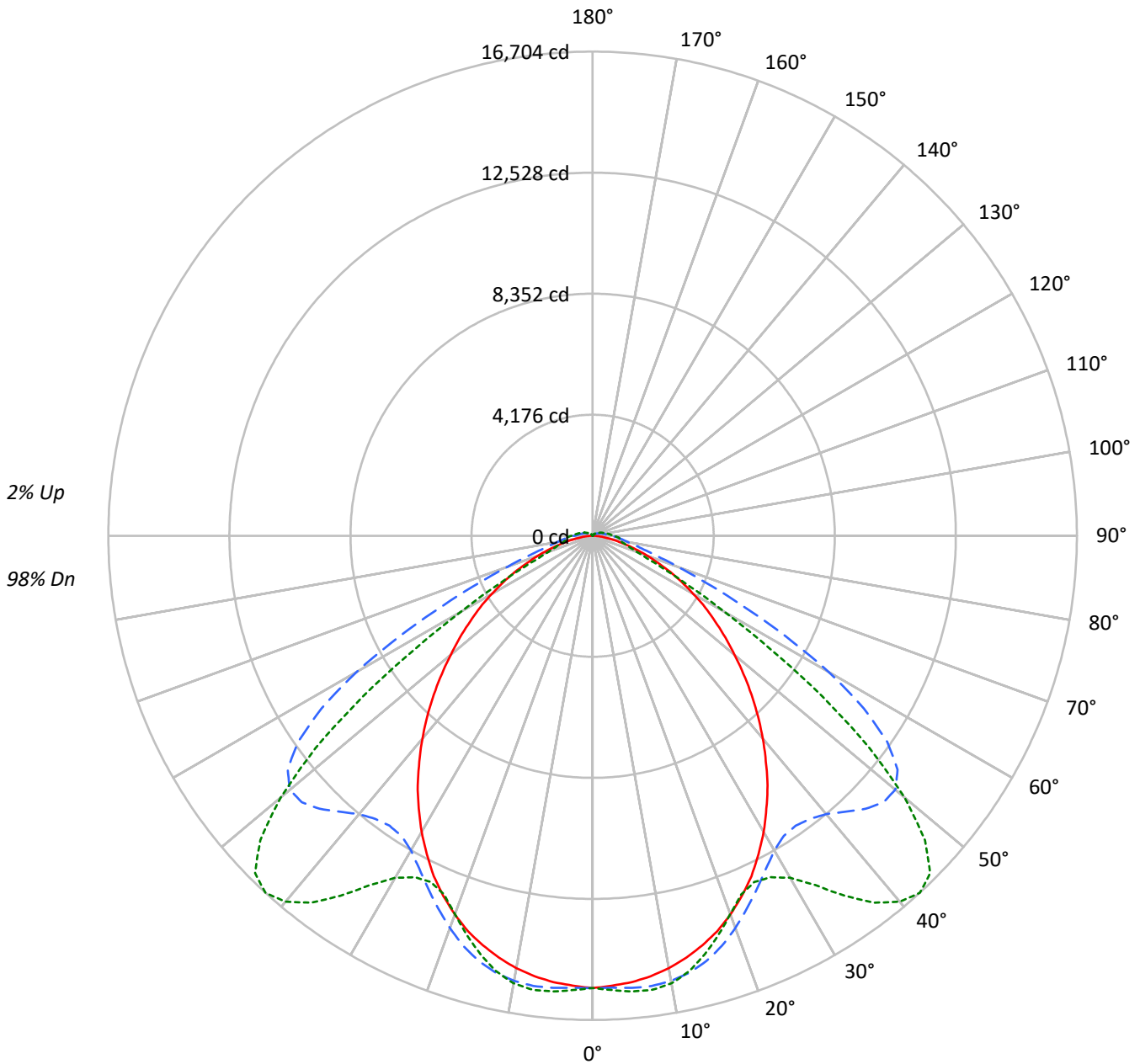
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 46718.0 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 338  
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°	24676	24676	24676
5°	24446	24652	24852
10°	24139	24626	24776
15°	23668	24230	23879
20°	23023	23408	22608
25°	22160	22410	22051
30°	21012	21671	23610
35°	19702	22084	27477
40°	18182	23933	31572
45°	16593	27166	33703
50°	14935	30064	31112
55°	13377	30054	23543
60°	11792	25455	14222
65°	10116	17603	8481
70°	8219	11402	5993
75°	6253	8193	5380
80°	4488	7228	5749
85°	3047	8010	8101



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1491.0	3.2
10°-20°	4222.2	9.0
20°-30°	6178.4	13.2
30°-40°	8024.0	17.2
40°-50°	9798.3	21.0
50°-60°	8628.9	18.5
60°-70°	4496.6	9.6
70°-80°	1928.3	4.1
80°-90°	926.0	2.0
90°-100°	435.1	0.9
100°-110°	270.4	0.6
110°-120°	159.9	0.3
120°-130°	86.9	0.2
130°-140°	43.6	0.1
140°-150°	21.0	0.0
150°-160°	7.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	11891.6	25.5
0°-40°	19915.6	42.6
0°-60°	38342.8	82.1
0°-90°	45693.8	97.8
90°-120°	865.4	1.9
90°-150°	1016.9	2.2
90°-180°	1024.0	2.2
0°-180°	46718.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15603	15603	15603	15603	15603	
5°	15458	15576	15660	15798	15781	###
15°	14627	15037	15182	15068	14946	4118
25°	12960	13654	13422	13169	13183	5948
35°	10520	11631	12213	14243	15155	6557
45°	7746	9746	13321	16128	16465	5973
55°	5157	8537	12405	10877	9668	4629
65°	2959	5915	5679	3158	2717	2928
75°	1192	2767	1825	1249	1185	1299
85°	252	986	929	909	919	281
90°	3	357	613	700	717	18
95°	7	209	488	572	589	5
105°	14	118	316	380	387	14
115°	20	67	195	239	246	21
125°	24	34	114	148	152	20
135°	20	20	54	91	94	16
145°	27	20	24	44	50	16
155°	27	27	20	20	20	8
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°	15603.0	15603.0	15603.0	15603.0	15603.0
2.5°	15535.6	15603.0	15606.3	15700.6	15690.5
5°	15458.2	15576.0	15660.2	15798.2	15781.4
7.5°	15330.3	15515.4	15663.6	15815.0	15801.6
10°	15148.5	15401.0	15596.2	15720.8	15680.4
12.5°	14912.9	15246.1	15438.0	15464.9	15387.5
15°	14626.7	15037.4	15182.2	15067.7	14946.5
17.5°	14303.6	14784.9	14835.4	14586.3	14434.8
20°	13899.6	14448.3	14397.8	14054.4	13886.1
22.5°	13451.9	14078.0	13916.4	13556.2	13394.6
25°	12960.4	13653.9	13421.6	13169.1	13182.6
27.5°	12384.7	13172.5	12946.9	13061.4	13276.8
30°	11799.0	12667.5	12529.5	13196.0	13620.2
32.5°	11156.0	12149.1	12273.7	13589.9	14283.4
35°	10519.8	11630.7	12213.1	14243.0	15155.2
37.5°	9816.2	11105.5	12310.7	14997.0	15953.1
40°	9132.9	10593.9	12532.9	15673.7	16481.6
42.5°	8436.0	10136.0	12906.5	16074.2	16703.8
45°	7745.9	9745.5	13320.6	16128.1	16464.7
47.5°	7055.8	9415.6	13606.7	15700.6	15545.7
50°	6389.3	9122.8	13626.9	14673.9	14041.0
52.5°	5766.5	8853.5	13256.6	13037.8	12054.8
55°	5157.2	8537.0	12404.9	10876.6	9668.1
57.5°	4601.8	8099.4	11092.1	8553.9	7234.3
60°	4012.7	7506.9	9395.4	6258.0	5217.8
62.5°	3470.7	6769.7	7493.5	4356.0	3750.1
65°	2959.0	5914.6	5679.0	3157.6	2716.6
67.5°	2417.0	5029.3	4191.1	2302.6	2019.8
70°	1992.9	4207.9	3120.6	1790.9	1625.9
72.5°	1558.6	3426.9	2332.9	1454.3	1363.4
75°	1191.7	2767.1	1824.6	1248.9	1184.9
77.5°	878.6	2188.1	1467.7	1104.2	1043.6
80°	616.0	1723.6	1228.7	986.3	962.8
82.5°	414.1	1333.1	1046.9	939.2	942.6
85°	252.5	986.3	929.1	908.9	919.0
87.5°	121.2	700.2	797.8	828.1	838.2
90°	3.4	356.8	612.7	700.2	717.0
92.5°	0.0	272.7	538.6	626.1	643.0
95°	6.7	208.7	488.1	572.3	589.1
97.5°	6.7	171.7	437.6	525.1	535.2
100°	10.1	148.1	390.5	474.7	484.8
102.5°	10.1	131.3	350.1	424.2	430.9
105°	13.5	117.8	316.4	380.4	387.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	20.2	80.8	222.2	269.3	276.0
115°	20.2	67.3	195.2	239.0	245.7
117.5°	23.6	60.6	171.7	212.1	215.4
120°	23.6	50.5	148.1	188.5	191.9
122.5°	23.6	40.4	131.3	168.3	171.7
125°	23.6	33.7	114.5	148.1	151.5
127.5°	20.2	23.6	97.6	131.3	134.7
130°	20.2	20.2	80.8	114.5	121.2
132.5°	20.2	20.2	67.3	101.0	107.7
135°	20.2	20.2	53.9	90.9	94.3
137.5°	20.2	20.2	43.8	77.4	84.2
140°	20.2	20.2	33.7	67.3	70.7
142.5°	23.6	20.2	30.3	57.2	60.6
145°	26.9	20.2	23.6	43.8	50.5
147.5°	26.9	23.6	23.6	37.0	40.4
150°	26.9	26.9	20.2	26.9	33.7
152.5°	26.9	26.9	20.2	20.2	26.9
155°	26.9	26.9	20.2	20.2	20.2
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°	16.8	104.4	282.8	340.0	346.7
110°	16.8	90.9	249.1	303.0	309.7



(END OF REPORT)