

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: P830603

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830603  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60HE-A-UNV-L930-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

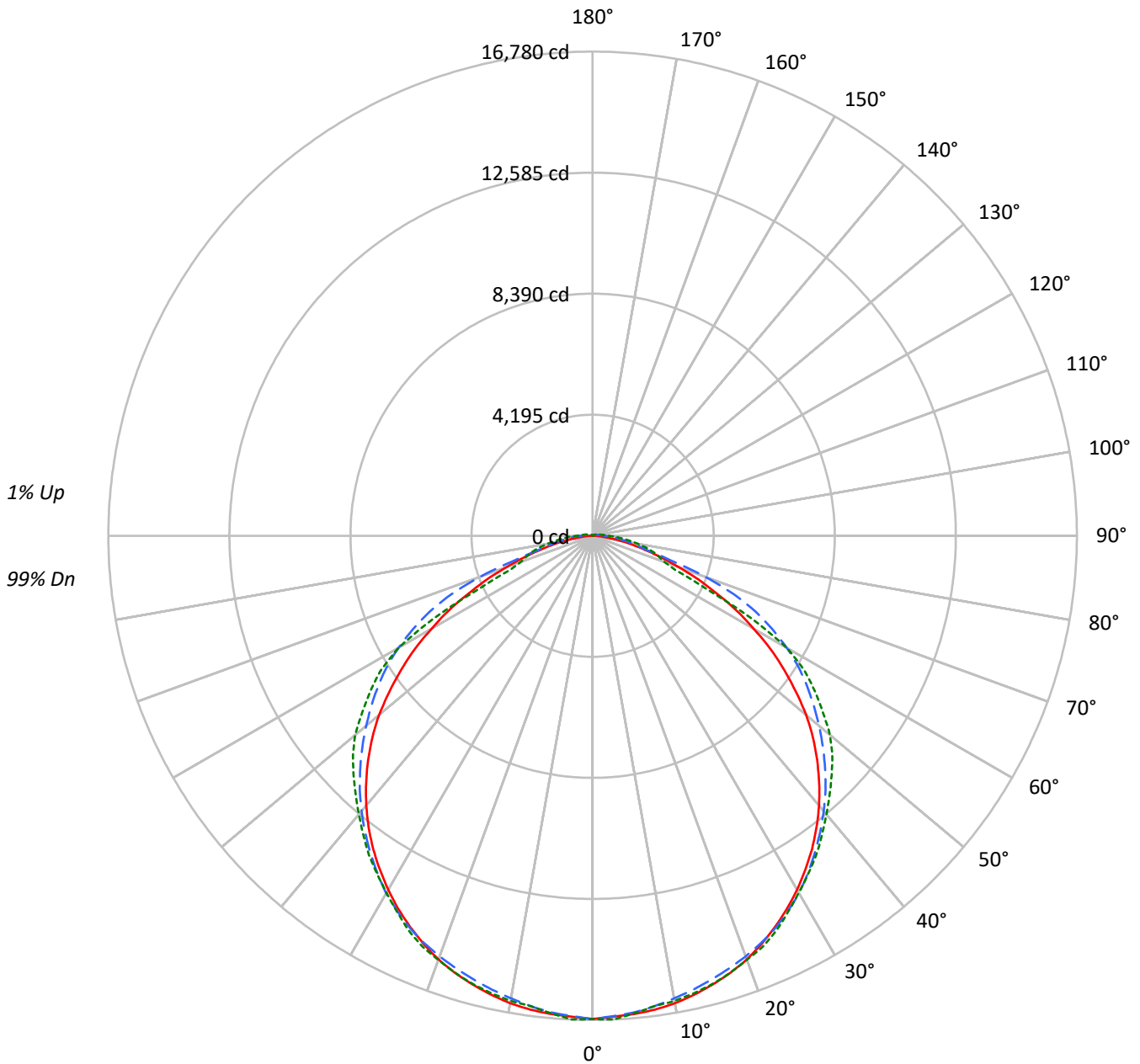
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 47332.0 lumens  
Efficiency: N/A  
Efficacy: 140.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
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 (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				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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99			
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83			
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70			
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59			
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51			
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44			
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38			
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34			
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30			
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27			
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24			

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

	0°	45°	90°
0°	26484	26484	26484
5°	26310	26099	26154
10°	26214	25704	25863
15°	26048	25408	25690
20°	25881	25222	25463
25°	25569	25034	25237
30°	25229	24739	24760
35°	24823	24269	24497
40°	24295	23785	24138
45°	23564	23224	23979
50°	22572	22586	23789
55°	20997	21958	22901
60°	18934	21039	21173
65°	16242	19333	13418
70°	13082	15092	9729
75°	9808	8959	9874
80°	6827	7450	9427
85°	3885	6826	8836



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1579.0	3.3
10°-20°	4527.8	9.6
20°-30°	6915.4	14.6
30°-40°	8390.8	17.7
40°-50°	8794.3	18.6
50°-60°	7969.0	16.8
60°-70°	5342.9	11.3
70°-80°	2399.2	5.1
80°-90°	870.6	1.8
90°-100°	262.1	0.6
100°-110°	123.7	0.3
110°-120°	62.0	0.1
120°-130°	34.2	0.1
130°-140°	23.5	0.0
140°-150°	15.8	0.0
150°-160°	11.7	0.0
160°-170°	7.5	0.0
170°-180°	2.4	0.0
0°-30°	13022.3	27.5
0°-40°	21413.0	45.2
0°-60°	38176.4	80.7
0°-90°	46789.1	98.9
90°-120°	447.7	0.9
90°-150°	521.2	1.1
90°-180°	543.0	1.1
0°-180°	47332.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16746	16746	16746	16746	16746	
5°	16637	16695	16579	16630	16608	###
15°	16097	16034	15920	16061	16080	4545
25°	14954	14889	14993	15131	15088	6893
35°	13254	13286	13422	13564	13511	8284
45°	11000	11179	11388	11678	11714	8474
55°	8095	8484	9063	9426	9404	7225
65°	4751	5494	6237	5264	4298	4734
75°	1869	2712	1995	2041	2174	2043
85°	322	617	792	956	1002	393
90°	2	206	409	513	538	19
95°	2	128	281	341	351	3
105°	10	56	138	167	174	11
115°	19	29	70	90	94	18
125°	17	19	44	51	53	17
135°	22	24	27	39	41	17
145°	22	24	24	27	29	14
155°	24	27	27	27	24	11
165°	27	27	27	27	27	7
175°	27	27	24	22	22	3
180°	24	24	24	24	24	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16746.1	16746.1	16746.1	16746.1	16746.1
2.5°	16678.3	16748.5	16661.4	16755.8	16780.0
5°	16637.1	16695.3	16579.0	16629.9	16608.1
7.5°	16562.1	16581.4	16443.4	16484.6	16441.0
10°	16450.7	16441.0	16278.8	16358.7	16368.4
12.5°	16286.0	16257.0	16111.7	16232.8	16235.2
15°	16097.2	16034.2	15920.4	16060.9	16080.2
17.5°	15879.3	15796.9	15721.9	15903.5	15874.4
20°	15625.0	15528.2	15513.6	15712.2	15639.5
22.5°	15310.2	15235.2	15269.1	15457.9	15411.9
25°	14954.3	14888.9	14993.0	15131.1	15087.5
27.5°	14579.0	14540.2	14658.9	14765.4	14680.7
30°	14167.4	14145.6	14303.0	14390.1	14283.6
32.5°	13719.4	13726.7	13876.8	13995.4	13896.2
35°	13254.5	13286.0	13421.6	13564.4	13511.2
37.5°	12743.6	12813.8	12949.4	13111.6	13056.0
40°	12203.6	12305.3	12455.5	12651.6	12600.7
42.5°	11620.1	11748.4	11942.1	12160.1	12155.2
45°	11000.2	11179.4	11387.6	11678.2	11714.5
47.5°	10356.1	10557.1	10821.0	11208.5	11264.2
50°	9656.4	9908.2	10237.5	10702.4	10736.3
52.5°	8876.7	9220.5	9656.4	10101.9	10060.7
55°	8094.6	8484.4	9063.1	9426.3	9404.5
57.5°	7314.9	7753.2	8455.4	8714.5	8712.0
60°	6443.2	6997.7	7765.3	7961.4	7767.7
62.5°	5636.9	6232.6	7029.2	6886.3	6222.9
65°	4750.7	5494.1	6237.4	5264.0	4297.9
67.5°	3963.8	4738.6	5297.9	3605.4	3087.2
70°	3172.0	4026.7	4130.8	2675.6	2639.3
72.5°	2469.8	3380.2	2849.9	2290.6	2406.8
75°	1869.3	2711.9	1995.2	2041.2	2174.4
77.5°	1363.2	2082.4	1552.1	1789.4	1898.3
80°	937.1	1474.6	1266.4	1503.7	1578.7
82.5°	588.4	973.4	1014.5	1210.7	1288.2
85°	322.0	617.4	791.8	956.4	1002.4
87.5°	133.2	372.9	605.3	738.5	777.3
90°	2.4	205.8	409.2	513.3	537.5
92.5°	2.4	157.4	334.1	414.1	431.0
95°	2.4	128.3	280.9	341.4	351.1
97.5°	4.8	101.7	234.9	283.3	293.0
100°	7.3	84.7	196.1	237.3	244.6
102.5°	9.7	67.8	164.7	198.6	205.8
105°	9.7	55.7	138.0	167.1	174.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	16.9	33.9	82.3	104.1	109.0
115°	19.4	29.1	70.2	89.6	94.4
117.5°	19.4	24.2	60.5	75.1	79.9
120°	19.4	21.8	53.3	65.4	67.8
122.5°	19.4	19.4	46.0	58.1	60.5
125°	16.9	19.4	43.6	50.8	53.3
127.5°	19.4	19.4	38.7	46.0	48.4
130°	19.4	21.8	33.9	43.6	43.6
132.5°	21.8	24.2	31.5	41.2	41.2
135°	21.8	24.2	26.6	38.7	41.2
137.5°	24.2	24.2	24.2	36.3	38.7
140°	24.2	24.2	21.8	31.5	33.9
142.5°	21.8	24.2	21.8	29.1	31.5
145°	21.8	24.2	24.2	26.6	29.1
147.5°	24.2	24.2	24.2	24.2	26.6
150°	24.2	24.2	24.2	24.2	24.2
152.5°	24.2	24.2	24.2	24.2	24.2
155°	24.2	26.6	26.6	26.6	24.2
157.5°	24.2	26.6	26.6	26.6	26.6
160°	24.2	26.6	26.6	26.6	26.6
162.5°	26.6	26.6	26.6	26.6	26.6
165°	26.6	26.6	26.6	26.6	26.6
167.5°	26.6	29.1	26.6	26.6	26.6
170°	26.6	26.6	26.6	24.2	24.2
172.5°	26.6	26.6	26.6	24.2	24.2
175°	26.6	26.6	24.2	21.8	21.8
177.5°	29.1	26.6	24.2	21.8	19.4
180°	24.2	24.2	24.2	24.2	24.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	12.1	46.0	118.6	142.9	147.7
110°	14.5	38.7	99.3	121.1	125.9



(END OF REPORT)