

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: P830598

Luminaire Tested: **OHBL-60HE-A-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830598  
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-L750-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

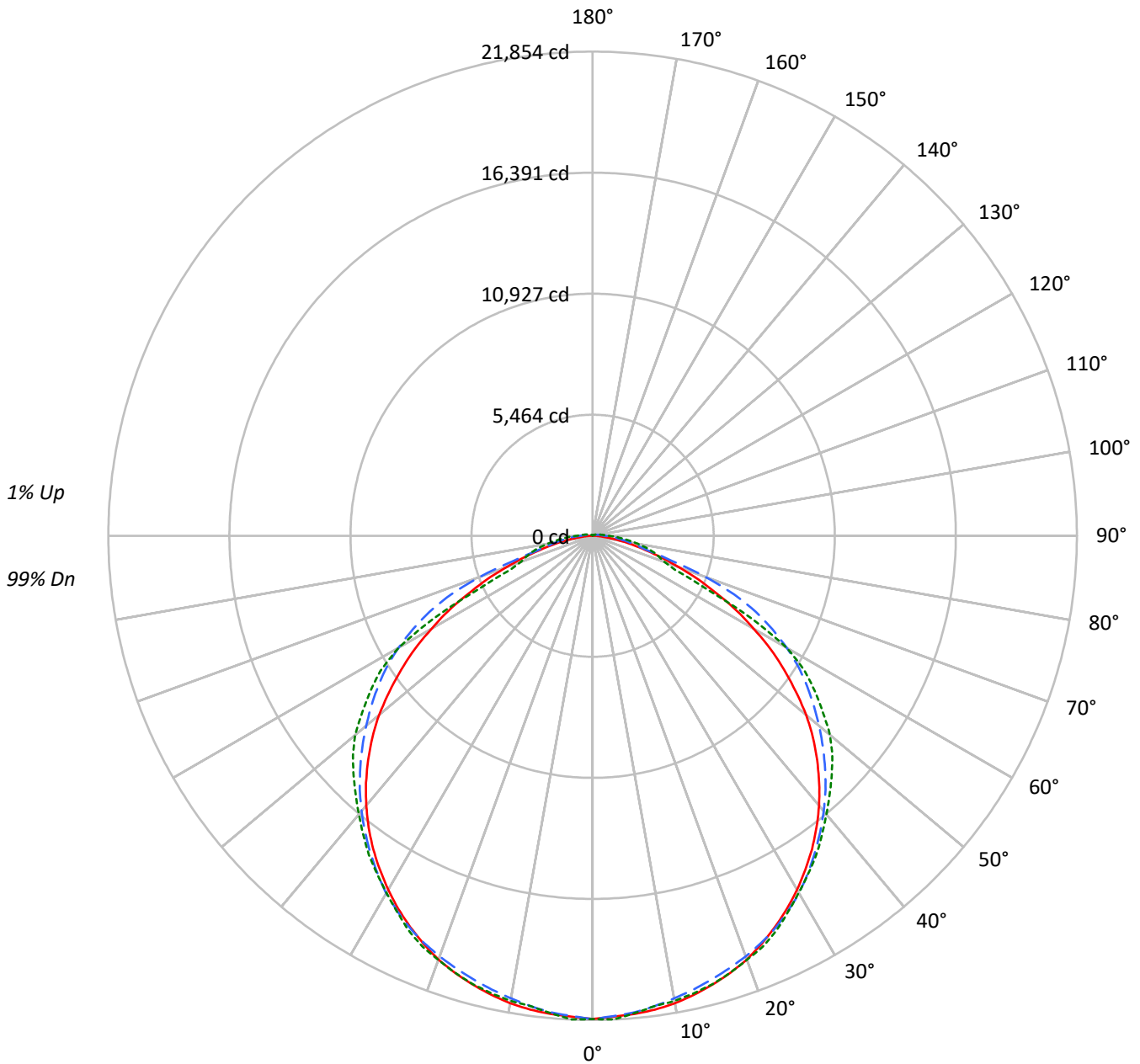
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61645.0 lumens  
Efficiency: N/A  
Efficacy: 182.4 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 (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	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°	34492	34492	34492
5°	34266	33991	34062
10°	34141	33476	33684
15°	33924	33091	33459
20°	33708	32849	33162
25°	33301	32604	32869
30°	32858	32219	32247
35°	32330	31608	31904
40°	31642	30977	31437
45°	30689	30247	31230
50°	29398	29416	30983
55°	27346	28598	29827
60°	24659	27401	27575
65°	21154	25180	17476
70°	17039	19657	12670
75°	12774	11668	12859
80°	8892	9702	12277
85°	5060	8890	11508



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2056.5	3.3
10°-20°	5897.0	9.6
20°-30°	9006.6	14.6
30°-40°	10928.1	17.7
40°-50°	11453.7	18.6
50°-60°	10378.8	16.8
60°-70°	6958.6	11.3
70°-80°	3124.7	5.1
80°-90°	1133.9	1.8
90°-100°	341.3	0.6
100°-110°	161.0	0.3
110°-120°	80.7	0.1
120°-130°	44.5	0.1
130°-140°	30.6	0.0
140°-150°	20.6	0.0
150°-160°	15.3	0.0
160°-170°	9.8	0.0
170°-180°	3.1	0.0
0°-30°	16960.1	27.5
0°-40°	27888.3	45.2
0°-60°	49720.8	80.7
0°-90°	60938.0	98.9
90°-120°	583.1	0.9
90°-150°	678.8	1.1
90°-180°	707.0	1.1
0°-180°	61645.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21810	21810	21810	21810	21810	
5°	21668	21744	21592	21659	21630	###
15°	20965	20883	20735	20918	20943	5919
25°	19476	19391	19527	19707	19650	8978
35°	17263	17304	17480	17666	17597	10790
45°	14327	14560	14831	15210	15257	11036
55°	10542	11050	11804	12277	12248	9410
65°	6187	7155	8124	6856	5598	6165
75°	2435	3532	2598	2658	2832	2661
85°	419	804	1031	1246	1306	512
90°	3	268	533	669	700	25
95°	3	167	366	445	457	4
105°	13	72	180	218	227	15
115°	25	38	92	117	123	23
125°	22	25	57	66	69	22
135°	28	32	35	50	54	23
145°	28	32	32	35	38	19
155°	32	35	35	35	32	15
165°	35	35	35	35	35	10
175°	35	35	32	28	28	3
180°	32	32	32	32	32	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	21810.1	21810.1	21810.1	21810.1	<i>21810.1</i>
2.5°	<i>21721.8</i>	<i>21813.2</i>	<i>21699.7</i>	<i>21822.7</i>	<i>21854.2</i>
5°	21668.1	21743.8	21592.5	21658.7	<i>21630.3</i>
7.5°	21570.4	21595.6	21415.9	21469.5	<i>21412.7</i>
10°	21425.3	21412.7	21201.4	21305.5	<i>21318.1</i>
12.5°	21210.9	21173.0	20983.8	21141.5	<i>21144.7</i>
15°	20964.9	20882.9	20734.7	20917.6	<i>20942.8</i>
17.5°	20681.1	20573.9	20476.1	20712.6	<i>20674.8</i>
20°	20350.0	20223.8	20204.9	20463.5	<i>20368.9</i>
22.5°	19940.0	19842.2	19886.4	20132.4	<i>20072.4</i>
25°	19476.4	19391.3	19526.9	19706.6	<i>19649.9</i>
27.5°	18987.6	18937.2	19091.7	19230.4	<i>19120.1</i>
30°	18451.5	18423.1	18628.1	18741.6	<i>18602.9</i>
32.5°	17868.1	17877.6	18073.1	18227.6	<i>18098.3</i>
35°	17262.6	17303.6	17480.2	17666.3	<i>17596.9</i>
37.5°	16597.2	16688.7	16865.3	17076.6	<i>17004.0</i>
40°	15894.0	16026.4	16221.9	16477.4	<i>16411.2</i>
42.5°	15134.0	15301.1	15553.4	15837.2	<i>15830.9</i>
45°	14326.6	14560.0	14831.2	15209.6	<i>15256.9</i>
47.5°	13487.8	13749.5	14093.3	14597.9	<i>14670.4</i>
50°	12576.4	12904.4	13333.3	13938.8	<i>13982.9</i>
52.5°	11561.0	12008.8	12576.4	13156.7	<i>13103.1</i>
55°	10542.4	11050.1	11803.8	12276.8	<i>12248.4</i>
57.5°	9526.9	10097.7	11012.2	11349.7	<i>11346.5</i>
60°	8391.6	9113.8	10113.5	10368.9	<i>10116.6</i>
62.5°	7341.5	8117.3	9154.8	8968.7	<i>8104.7</i>
65°	6187.3	7155.4	8123.6	6855.8	<i>5597.6</i>
67.5°	5162.4	6171.5	6900.0	4695.7	<i>4020.8</i>
70°	4131.2	5244.4	5380.0	3484.7	<i>3437.4</i>
72.5°	3216.6	4402.4	3711.7	2983.3	<i>3134.6</i>
75°	2434.6	3532.0	2598.5	2658.5	<i>2831.9</i>
77.5°	1775.5	2712.1	2021.4	2330.5	<i>2472.4</i>
80°	1220.4	1920.5	1649.3	1958.4	<i>2056.1</i>
82.5°	766.3	1267.7	1321.3	1576.8	<i>1677.7</i>
85°	419.4	804.2	1031.2	1245.7	<i>1305.6</i>
87.5°	173.4	485.6	788.4	961.8	<i>1012.3</i>
90°	3.2	268.1	533.0	668.6	<i>700.1</i>
92.5°	3.2	205.0	435.2	539.3	<i>561.3</i>
95°	3.2	167.1	365.8	444.7	<i>457.3</i>
97.5°	6.3	132.4	305.9	369.0	<i>381.6</i>
100°	9.5	110.4	255.4	309.0	<i>318.5</i>
102.5°	12.6	88.3	214.4	258.6	<i>268.1</i>
105°	12.6	72.5	179.8	217.6	<i>227.1</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	22.1	44.1	107.2	135.6	141.9
115°	25.2	37.8	91.5	116.7	123.0
117.5°	25.2	31.5	78.8	97.8	104.1
120°	25.2	28.4	69.4	85.1	88.3
122.5°	25.2	25.2	59.9	75.7	78.8
125°	22.1	25.2	56.8	66.2	69.4
127.5°	25.2	25.2	50.5	59.9	63.1
130°	25.2	28.4	44.1	56.8	56.8
132.5°	28.4	31.5	41.0	53.6	53.6
135°	28.4	31.5	34.7	50.5	53.6
137.5°	31.5	31.5	31.5	47.3	50.5
140°	31.5	31.5	28.4	41.0	44.1
142.5°	28.4	31.5	28.4	37.8	41.0
145°	28.4	31.5	31.5	34.7	37.8
147.5°	31.5	31.5	31.5	31.5	34.7
150°	31.5	31.5	31.5	31.5	31.5
152.5°	31.5	31.5	31.5	31.5	31.5
155°	31.5	34.7	34.7	34.7	31.5
157.5°	31.5	34.7	34.7	34.7	34.7
160°	31.5	34.7	34.7	34.7	34.7
162.5°	34.7	34.7	34.7	34.7	34.7
165°	34.7	34.7	34.7	34.7	34.7
167.5°	34.7	37.8	34.7	34.7	34.7
170°	34.7	34.7	34.7	31.5	31.5
172.5°	34.7	34.7	34.7	31.5	31.5
175°	34.7	34.7	31.5	28.4	28.4
177.5°	37.8	34.7	31.5	28.4	25.2
180°	31.5	31.5	31.5	31.5	31.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	15.8	59.9	154.5	186.1	<i>192.4</i>
110°	18.9	50.5	129.3	157.7	<i>164.0</i>



(END OF REPORT)