

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: P830667

Luminaire Tested: **OHBL-60SE-A-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830667  
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-60SE-A-UNV-L730-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

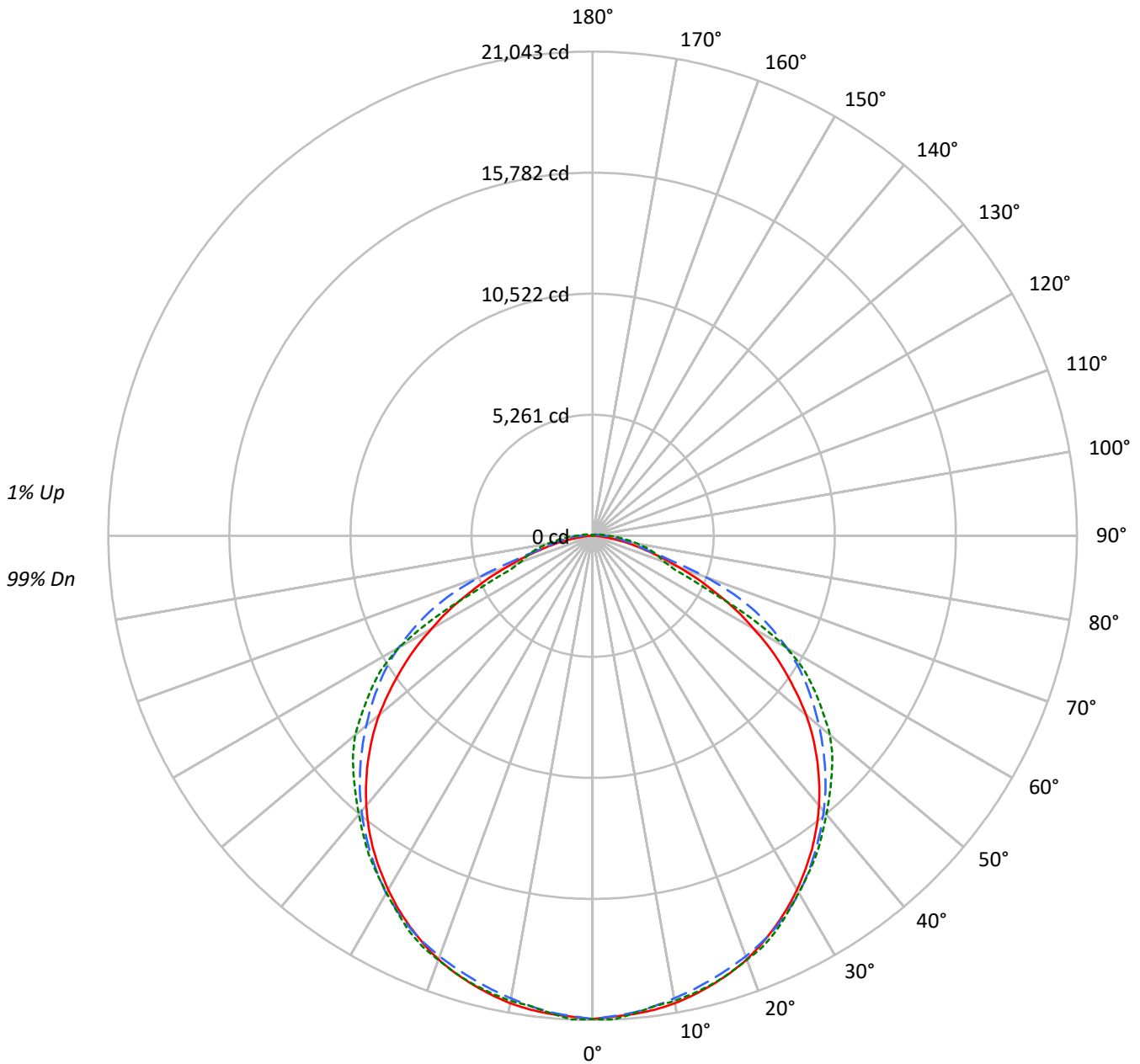
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59357.0 lumens  
Efficiency: N/A  
Efficacy: 164.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 362  
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°	35869	35869	35869
5°	35634	35331	35399
10°	35504	34781	34984
15°	35278	34365	34727
20°	35053	34097	34396
25°	34630	33826	34068
30°	34170	33410	33398
35°	33620	32757	33017
40°	32905	32083	32504
45°	31914	31305	32258
50°	30571	30420	31965
55°	28437	29545	30730
60°	25644	28275	28362
65°	21998	25943	17936
70°	17718	20211	12966
75°	13284	11963	13103
80°	9246	9900	12425
85°	5263	8989	11494



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1980.2	3.3
10°-20°	5678.2	9.6
20°-30°	8672.3	14.6
30°-40°	10522.5	17.7
40°-50°	11028.6	18.6
50°-60°	9993.6	16.8
60°-70°	6700.3	11.3
70°-80°	3008.7	5.1
80°-90°	1091.8	1.8
90°-100°	328.6	0.6
100°-110°	155.1	0.3
110°-120°	77.7	0.1
120°-130°	42.9	0.1
130°-140°	29.5	0.0
140°-150°	19.8	0.0
150°-160°	14.7	0.0
160°-170°	9.5	0.0
170°-180°	3.0	0.0
0°-30°	16330.7	27.5
0°-40°	26853.2	45.2
0°-60°	47875.3	80.7
0°-90°	58676.2	98.9
90°-120°	561.4	0.9
90°-150°	653.6	1.1
90°-180°	681.0	1.1
0°-180°	59357.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21001	21001	21001	21001	21001	
5°	20864	20937	20791	20855	20828	###
15°	20187	20108	19965	20141	20166	5700
25°	18754	18672	18802	18975	18920	8644
35°	16622	16661	16831	17011	16944	10389
45°	13795	14020	14281	14645	14691	10627
55°	10151	10640	11366	11821	11794	9061
65°	5958	6890	7822	6601	5390	5936
75°	2344	3401	2502	2560	2727	2562
85°	404	774	993	1199	1257	493
90°	3	258	513	644	674	24
95°	3	161	352	428	440	4
105°	12	70	173	210	219	14
115°	24	36	88	112	118	23
125°	21	24	55	64	67	21
135°	27	30	33	49	52	22
145°	27	30	30	33	36	18
155°	30	33	33	33	30	14
165°	33	33	33	33	33	9
175°	33	33	30	27	27	3
180°	30	30	30	30	30	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	21000.6	21000.6	21000.6	21000.6	21000.6
2.5°	20915.5	21003.6	20894.3	21012.7	21043.1
5°	20863.9	20936.8	20791.0	20854.8	20827.5
7.5°	20769.8	20794.1	20621.0	20672.6	20618.0
10°	20630.1	20618.0	20414.5	20514.7	20526.9
12.5°	20423.6	20387.2	20205.0	20356.8	20359.9
15°	20186.8	20107.8	19965.1	20141.2	20165.5
17.5°	19913.5	19810.2	19716.1	19943.8	19907.4
20°	19594.6	19473.2	19455.0	19704.0	19612.9
22.5°	19199.9	19105.8	19148.3	19385.1	19327.4
25°	18753.5	18671.5	18802.1	18975.2	18920.5
27.5°	18282.9	18234.3	18383.1	18516.7	18410.4
30°	17766.7	17739.3	17936.7	18046.0	17912.4
32.5°	17204.9	17214.0	17402.3	17551.1	17426.6
35°	16621.9	16661.4	16831.4	17010.6	16943.8
37.5°	15981.2	16069.3	16239.3	16442.7	16372.9
40°	15304.0	15431.6	15619.8	15865.8	15802.0
42.5°	14572.2	14733.2	14976.1	15249.4	15243.3
45°	13794.9	14019.6	14280.7	14645.1	14690.7
47.5°	12987.2	13239.2	13570.2	14056.0	14125.9
50°	12109.6	12425.4	12838.4	13421.4	13463.9
52.5°	11131.9	11563.1	12109.6	12668.4	12616.7
55°	10151.1	10640.0	11365.7	11821.2	11793.8
57.5°	9173.3	9722.9	10603.5	10928.4	10925.4
60°	8080.2	8775.5	9738.1	9984.1	9741.1
62.5°	7069.0	7816.0	8815.0	8635.9	7803.9
65°	5957.6	6889.9	7822.1	6601.4	5389.8
67.5°	4970.8	5942.5	6643.9	4521.4	3871.6
70°	3977.8	5049.7	5180.3	3355.4	3309.8
72.5°	3097.2	4239.0	3574.0	2872.5	3018.3
75°	2344.2	3400.9	2502.1	2559.8	2726.8
77.5°	1709.6	2611.4	1946.4	2244.0	2380.6
80°	1175.1	1849.2	1588.1	1885.7	1979.8
82.5°	737.9	1220.7	1272.3	1518.3	1615.4
85°	403.9	774.3	992.9	1199.4	1257.1
87.5°	167.0	467.6	759.1	926.1	974.7
90°	3.0	258.1	513.2	643.7	674.1
92.5°	3.0	197.4	419.0	519.2	540.5
95°	3.0	160.9	352.2	428.1	440.3
97.5°	6.1	127.5	294.5	355.3	367.4
100°	9.1	106.3	246.0	297.6	306.7
102.5°	12.1	85.0	206.5	249.0	258.1
105°	12.1	69.8	173.1	209.5	218.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	21.3	42.5	103.2	130.6	136.6
115°	24.3	36.4	88.1	112.4	118.4
117.5°	24.3	30.4	75.9	94.1	100.2
120°	24.3	27.3	66.8	82.0	85.0
122.5°	24.3	24.3	57.7	72.9	75.9
125°	21.3	24.3	54.7	63.8	66.8
127.5°	24.3	24.3	48.6	57.7	60.7
130°	24.3	27.3	42.5	54.7	54.7
132.5°	27.3	30.4	39.5	51.6	51.6
135°	27.3	30.4	33.4	48.6	51.6
137.5°	30.4	30.4	30.4	45.5	48.6
140°	30.4	30.4	27.3	39.5	42.5
142.5°	27.3	30.4	27.3	36.4	39.5
145°	27.3	30.4	30.4	33.4	36.4
147.5°	30.4	30.4	30.4	30.4	33.4
150°	30.4	30.4	30.4	30.4	30.4
152.5°	30.4	30.4	30.4	30.4	30.4
155°	30.4	33.4	33.4	33.4	30.4
157.5°	30.4	33.4	33.4	33.4	33.4
160°	30.4	33.4	33.4	33.4	33.4
162.5°	33.4	33.4	33.4	33.4	33.4
165°	33.4	33.4	33.4	33.4	33.4
167.5°	33.4	36.4	33.4	33.4	33.4
170°	33.4	33.4	33.4	30.4	30.4
172.5°	33.4	33.4	33.4	30.4	30.4
175°	33.4	33.4	30.4	27.3	27.3
177.5°	36.4	33.4	30.4	27.3	24.3
180°	30.4	30.4	30.4	30.4	30.4



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	15.2	57.7	148.8	179.2	185.2
110°	18.2	48.6	124.5	151.8	157.9



(END OF REPORT)