

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: P830688

Luminaire Tested: **OHBL-60SE-MCL-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830688  
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-MCL-UNV-L935-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

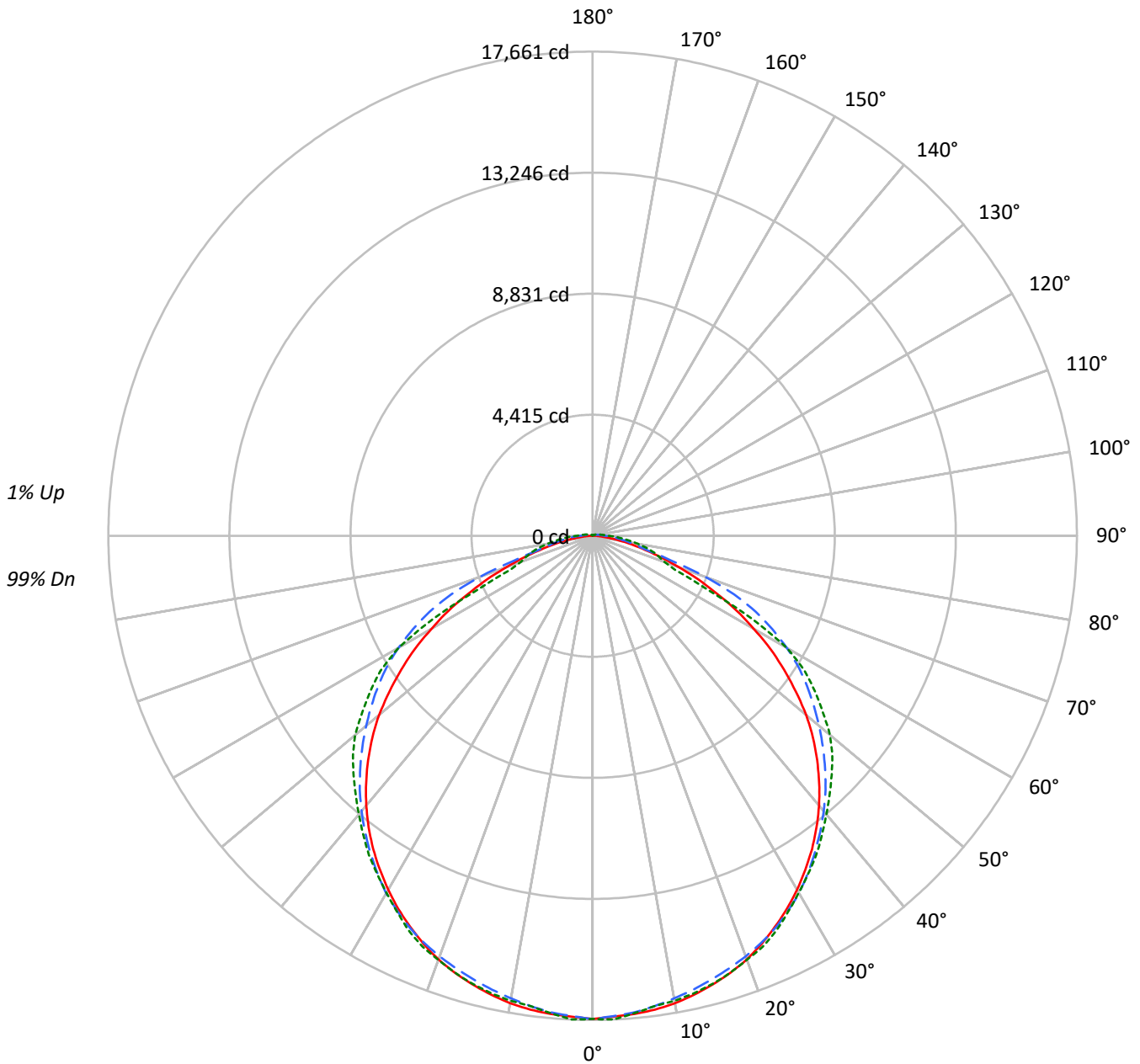
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49816.0 lumens  
Efficiency: N/A  
Efficacy: 137.6 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°	30103	30103	30103
5°	29906	29652	29709
10°	29797	29190	29360
15°	29608	28841	29145
20°	29418	28616	28867
25°	29064	28389	28592
30°	28678	28039	28030
35°	28216	27492	27709
40°	27616	26926	27280
45°	26784	26273	27073
50°	25657	25530	26827
55°	23866	24796	25790
60°	21522	23730	23803
65°	18462	21773	15053
70°	14870	16962	10882
75°	11149	10040	10997
80°	7760	8308	10428
85°	4416	7544	9647



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1661.9	3.3
10°-20°	4765.5	9.6
20°-30°	7278.4	14.6
30°-40°	8831.1	17.7
40°-50°	9255.9	18.6
50°-60°	8387.2	16.8
60°-70°	5623.3	11.3
70°-80°	2525.1	5.1
80°-90°	916.3	1.8
90°-100°	275.8	0.6
100°-110°	130.1	0.3
110°-120°	65.2	0.1
120°-130°	36.0	0.1
130°-140°	24.7	0.0
140°-150°	16.6	0.0
150°-160°	12.4	0.0
160°-170°	7.9	0.0
170°-180°	2.5	0.0
0°-30°	13705.7	27.5
0°-40°	22536.8	45.2
0°-60°	40179.9	80.7
0°-90°	49244.6	98.9
90°-120°	471.2	0.9
90°-150°	548.5	1.1
90°-180°	571.0	1.1
0°-180°	49816.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17625	17625	17625	17625	17625	
5°	17510	17571	17449	17503	17480	###
15°	16942	16876	16756	16904	16924	4783
25°	15739	15670	15780	15925	15879	7255
35°	13950	13983	14126	14276	14220	8719
45°	11578	11766	11985	12291	12329	8919
55°	8519	8930	9539	9921	9898	7605
65°	5000	5782	6565	5540	4524	4982
75°	1967	2854	2100	2148	2288	2150
85°	339	650	833	1007	1055	414
90°	2	217	431	540	566	20
95°	2	135	296	359	370	3
105°	10	59	145	176	184	12
115°	20	31	74	94	99	19
125°	18	20	46	54	56	18
135°	23	26	28	41	43	18
145°	23	26	26	28	31	15
155°	26	28	28	28	26	12
165°	28	28	28	28	28	8
175°	28	28	26	23	23	3
180°	26	26	26	26	26	



TEST NUMBER: P830688

CATALOG NUMBER: OHBL-60SE-MCL-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17624.9	17624.9	17624.9	17624.9	17624.9
2.5°	17553.6	17627.5	17535.7	17635.1	17660.6
5°	17510.3	17571.4	17449.1	17502.6	17479.7
7.5°	17431.3	17451.6	17306.4	17349.7	17303.8
10°	17314.0	17303.8	17133.1	17217.2	17227.4
12.5°	17140.7	17110.2	16957.3	17084.7	17087.2
15°	16942.0	16875.7	16755.9	16903.7	16924.1
17.5°	16712.6	16626.0	16547.0	16738.1	16707.5
20°	16445.0	16343.1	16327.8	16536.8	16460.3
22.5°	16113.7	16034.7	16070.4	16269.2	16220.8
25°	15739.1	15670.3	15779.9	15925.1	15879.3
27.5°	15344.1	15303.3	15428.2	15540.3	15451.1
30°	14910.9	14887.9	15053.6	15145.3	15033.2
32.5°	14439.4	14447.1	14605.1	14729.9	14625.4
35°	13950.1	13983.2	14125.9	14276.3	14220.2
37.5°	13412.4	13486.3	13629.0	13799.7	13741.1
40°	12844.1	12951.1	13109.1	13315.5	13262.0
42.5°	12229.9	12365.0	12568.9	12798.2	12793.1
45°	11577.5	11766.1	11985.3	12291.1	12329.3
47.5°	10899.6	11111.2	11388.9	11796.7	11855.3
50°	10163.1	10428.2	10774.8	11264.1	11299.7
52.5°	9342.5	9704.4	10163.1	10632.1	10588.7
55°	8519.4	8929.7	9538.8	9921.0	9898.1
57.5°	7698.8	8160.1	8899.1	9171.8	9169.3
60°	6781.4	7365.0	8172.8	8379.2	8175.4
62.5°	5932.7	6559.7	7398.1	7247.7	6549.5
65°	5000.0	5782.4	6564.8	5540.3	4523.5
67.5°	4171.8	4987.3	5576.0	3794.6	3249.2
70°	3338.4	4238.0	4347.6	2816.0	2777.8
72.5°	2599.4	3557.6	2999.5	2410.8	2533.1
75°	1967.4	2854.2	2099.9	2148.3	2288.5
77.5°	1434.8	2191.6	1633.5	1883.3	1998.0
80°	986.2	1552.0	1332.8	1582.6	1661.6
82.5°	619.3	1024.5	1067.8	1274.2	1355.8
85°	338.9	649.8	833.3	1006.6	1055.1
87.5°	140.2	392.5	637.1	777.3	818.0
90°	2.5	216.6	430.7	540.3	565.8
92.5°	2.5	165.6	351.7	435.8	453.6
95°	2.5	135.1	295.6	359.3	369.5
97.5°	5.1	107.0	247.2	298.2	308.4
100°	7.6	89.2	206.4	249.7	257.4
102.5°	10.2	71.4	173.3	209.0	216.6
105°	10.2	58.6	145.3	175.8	183.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	17.8	35.7	86.6	109.6	114.7
115°	20.4	30.6	73.9	94.3	99.4
117.5°	20.4	25.5	63.7	79.0	84.1
120°	20.4	22.9	56.1	68.8	71.4
122.5°	20.4	20.4	48.4	61.2	63.7
125°	17.8	20.4	45.9	53.5	56.1
127.5°	20.4	20.4	40.8	48.4	51.0
130°	20.4	22.9	35.7	45.9	45.9
132.5°	22.9	25.5	33.1	43.3	43.3
135°	22.9	25.5	28.0	40.8	43.3
137.5°	25.5	25.5	25.5	38.2	40.8
140°	25.5	25.5	22.9	33.1	35.7
142.5°	22.9	25.5	22.9	30.6	33.1
145°	22.9	25.5	25.5	28.0	30.6
147.5°	25.5	25.5	25.5	25.5	28.0
150°	25.5	25.5	25.5	25.5	25.5
152.5°	25.5	25.5	25.5	25.5	25.5
155°	25.5	28.0	28.0	28.0	25.5
157.5°	25.5	28.0	28.0	28.0	28.0
160°	25.5	28.0	28.0	28.0	28.0
162.5°	28.0	28.0	28.0	28.0	28.0
165°	28.0	28.0	28.0	28.0	28.0
167.5°	28.0	30.6	28.0	28.0	28.0
170°	28.0	28.0	28.0	25.5	25.5
172.5°	28.0	28.0	28.0	25.5	25.5
175°	28.0	28.0	25.5	22.9	22.9
177.5°	30.6	28.0	25.5	22.9	20.4
180°	25.5	25.5	25.5	25.5	25.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	12.7	48.4	124.9	150.4	155.5
110°	15.3	40.8	104.5	127.4	132.5



(END OF REPORT)