

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: P830700

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60SE-MFL-UNV-L935-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

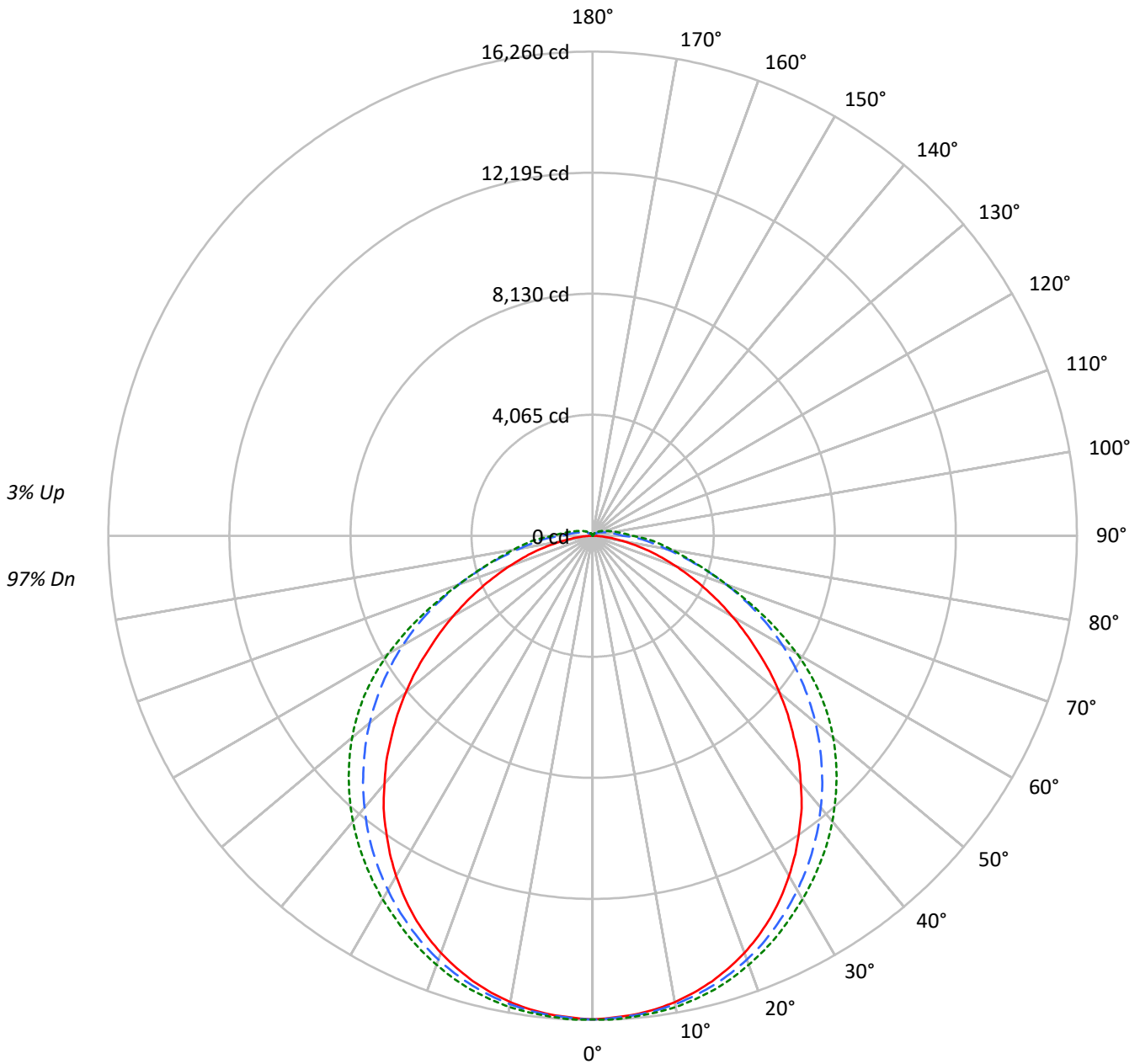
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 48617.0 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
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

TEST NUMBER: P830700

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

### 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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

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

	0°	45°	90°
0°	27745	27745	27745
5°	27568	27470	27549
10°	27375	27216	27387
15°	27069	26914	27180
20°	26663	26547	26885
25°	26121	26092	26586
30°	25370	25600	26286
35°	24462	25077	26022
40°	23370	24473	25760
45°	22083	23818	25430
50°	20675	23154	25032
55°	18945	22343	24375
60°	17172	21390	23093
65°	15237	20174	21009
70°	13140	18629	18751
75°	11017	16841	17194
80°	8353	15514	16942
85°	5284	15980	18685



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1539.2	3.2
10°-20°	4415.9	9.1
20°-30°	6678.3	13.7
30°-40°	8017.3	16.5
40°-50°	8280.6	17.0
50°-60°	7449.9	15.3
60°-70°	5611.9	11.5
70°-80°	3388.7	7.0
80°-90°	1657.3	3.4
90°-100°	697.6	1.4
100°-110°	398.2	0.8
110°-120°	233.7	0.5
120°-130°	132.2	0.3
130°-140°	69.6	0.1
140°-150°	33.9	0.1
150°-160°	12.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12633.4	26.0
0°-40°	20650.7	42.5
0°-60°	36381.3	74.8
0°-90°	47039.2	96.8
90°-120°	1329.6	2.7
90°-150°	1565.3	3.2
90°-180°	1578.0	3.2
0°-180°	48617.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16244	16244	16244	16244	16244	
5°	16141	16185	16165	16229	16209	###
15°	15489	15565	15636	15767	15783	4367
25°	14145	14300	14503	14730	14766	6506
35°	12094	12376	12885	13275	13354	7560
45°	9546	10027	10865	11458	11581	7369
55°	6763	7462	8595	9243	9355	6063
65°	4127	4970	6083	6385	6313	4100
75°	1944	2791	3522	3614	3578	2074
85°	406	1069	1765	2008	2044	469
90°	0	417	1010	1272	1324	26
95°	20	282	755	962	998	17
105°	28	163	437	572	596	28
115°	32	91	270	362	378	33
125°	32	44	163	235	246	29
135°	28	36	84	143	159	22
145°	40	36	40	72	84	24
155°	40	44	40	36	40	12
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830700

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16244.5	16244.5	16244.5	16244.5	16244.5
2.5°	16196.8	16236.5	16212.7	16264.4	16260.4
5°	16141.1	16184.9	16165.0	16228.6	16208.7
7.5°	16045.7	16093.4	16089.4	16161.0	16153.0
10°	15906.6	15958.2	15974.1	16069.6	16069.6
12.5°	15715.7	15783.3	15823.1	15938.4	15942.3
15°	15489.1	15564.7	15636.2	15767.4	15783.3
17.5°	15214.8	15310.2	15409.6	15560.7	15580.6
20°	14904.7	15012.0	15147.2	15306.2	15330.1
22.5°	14546.9	14674.1	14849.0	15035.9	15063.7
25°	14145.3	14300.4	14503.2	14729.8	14765.5
27.5°	13688.1	13867.1	14141.4	14395.8	14427.6
30°	13191.2	13401.9	13743.8	14046.0	14097.6
32.5°	12666.4	12908.9	13330.3	13668.3	13739.8
35°	12093.9	12376.2	12885.1	13274.7	13354.2
37.5°	11529.4	11839.5	12415.9	12861.2	12956.6
40°	10869.4	11255.1	11915.0	12408.0	12523.3
42.5°	10249.2	10666.7	11414.1	11950.8	12062.1
45°	9545.5	10026.6	10865.4	11457.8	11581.1
47.5°	8885.6	9406.4	10336.7	10948.9	11076.1
50°	8189.8	8762.3	9772.1	10412.2	10543.4
52.5°	7494.1	8110.3	9187.7	9851.6	9974.9
55°	6762.6	7462.3	8595.3	9243.4	9354.7
57.5°	6082.7	6822.2	7987.1	8603.3	8670.9
60°	5410.9	6178.2	7366.9	7907.6	7931.4
62.5°	4754.9	5561.9	6730.8	7160.1	7128.3
65°	4126.7	4969.6	6082.7	6384.9	6313.3
67.5°	3522.4	4393.1	5418.8	5613.6	5518.2
70°	2949.9	3832.5	4774.8	4874.1	4786.7
72.5°	2445.0	3299.8	4122.7	4206.2	4142.6
75°	1944.1	2790.9	3522.4	3613.9	3578.1
77.5°	1475.0	2297.9	2969.8	3089.1	3097.0
80°	1061.5	1848.7	2488.8	2675.6	2699.5
82.5°	699.7	1435.2	2087.2	2325.8	2361.5
85°	405.5	1069.4	1765.2	2007.7	2043.5
87.5°	174.9	771.3	1419.3	1638.0	1681.7
90°	0.0	417.4	1009.8	1272.2	1323.9
92.5°	11.9	345.9	866.7	1105.2	1149.0
95°	19.9	282.3	755.4	962.1	997.9
97.5°	23.9	238.5	656.0	838.9	874.6
100°	23.9	206.7	568.5	735.5	767.3
102.5°	23.9	182.9	497.0	644.1	671.9
105°	27.8	163.0	437.3	572.5	596.3



TEST NUMBER: P830700

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	31.8	107.3	302.1	405.5	421.4
115°	31.8	91.4	270.3	361.8	377.7
117.5°	35.8	79.5	238.5	326.0	337.9
120°	35.8	67.6	210.7	290.2	306.1
122.5°	35.8	55.7	186.9	262.4	274.3
125°	31.8	43.7	163.0	234.6	246.5
127.5°	27.8	35.8	139.1	210.7	222.6
130°	27.8	31.8	119.3	186.9	198.8
132.5°	27.8	35.8	99.4	163.0	178.9
135°	27.8	35.8	83.5	143.1	159.0
137.5°	27.8	35.8	67.6	123.2	139.1
140°	31.8	35.8	55.7	103.4	119.3
142.5°	35.8	35.8	43.7	87.5	99.4
145°	39.8	35.8	39.8	71.6	83.5
147.5°	39.8	39.8	39.8	55.7	67.6
150°	39.8	43.7	39.8	43.7	55.7
152.5°	39.8	43.7	39.8	35.8	43.7
155°	39.8	43.7	39.8	35.8	39.8
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°	27.8	143.1	385.6	508.9	528.8
110°	27.8	127.2	341.9	453.2	473.1



(END OF REPORT)