

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: P830699

Luminaire Tested: **OHBL-60SE-MFL-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830699  
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-L930-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

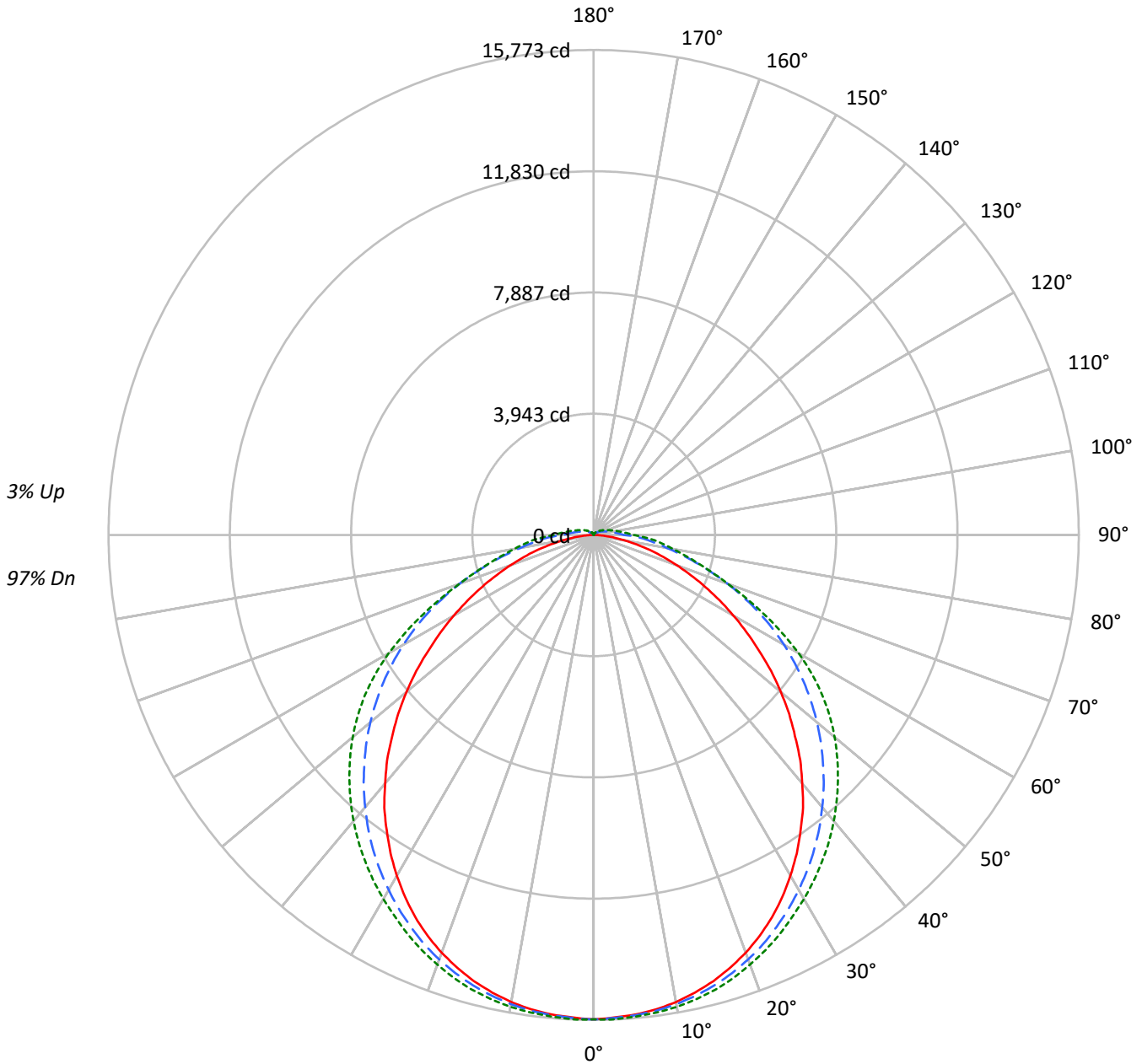
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 47159.0 lumens  
Efficiency: N/A  
Efficacy: 130.3 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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

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

	0°	45°	90°
0°	26913	26913	26913
5°	26741	26646	26723
10°	26554	26399	26566
15°	26257	26107	26365
20°	25863	25751	26079
25°	25337	25310	25789
30°	24609	24832	25497
35°	23728	24325	25242
40°	22669	23740	24988
45°	21421	23104	24667
50°	20055	22460	24281
55°	18377	21674	23644
60°	16657	20748	22401
65°	14781	19569	20379
70°	12746	18070	18189
75°	10686	16336	16679
80°	8102	15048	16434
85°	5126	15501	18125



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1493.1	3.2
10°-20°	4283.5	9.1
20°-30°	6478.0	13.7
30°-40°	7776.9	16.5
40°-50°	8032.3	17.0
50°-60°	7226.5	15.3
60°-70°	5443.6	11.5
70°-80°	3287.0	7.0
80°-90°	1607.6	3.4
90°-100°	676.7	1.4
100°-110°	386.3	0.8
110°-120°	226.7	0.5
120°-130°	128.2	0.3
130°-140°	67.5	0.1
140°-150°	32.8	0.1
150°-160°	12.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12254.5	26.0
0°-40°	20031.4	42.5
0°-60°	35290.2	74.8
0°-90°	45628.5	96.8
90°-120°	1289.7	2.7
90°-150°	1518.3	3.2
90°-180°	1531.0	3.2
0°-180°	47159.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15757	15757	15757	15757	15757	
5°	15657	15700	15680	15742	15723	###
15°	15025	15098	15167	15295	15310	4236
25°	13721	13872	14068	14288	14323	6311
35°	11731	12005	12499	12877	12954	7334
45°	9259	9726	10540	11114	11234	7148
55°	6560	7238	8338	8966	9074	5881
65°	4003	4820	5900	6193	6124	3977
75°	1886	2707	3417	3506	3471	2012
85°	393	1037	1712	1948	1982	455
90°	0	405	980	1234	1284	25
95°	19	274	733	933	968	16
105°	27	158	424	555	578	27
115°	31	89	262	351	366	32
125°	31	42	158	228	239	28
135°	27	35	81	139	154	21
145°	39	35	39	69	81	23
155°	39	42	39	35	39	12
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	15757.3	15757.3	15757.3	15757.3	15757.3
2.5°	15711.0	15749.6	15726.5	15776.6	15772.7
5°	15657.1	15699.5	15680.2	15741.9	15722.6
7.5°	15564.5	15610.8	15606.9	15676.3	15668.6
10°	15429.5	15479.7	15495.1	15587.6	15587.6
12.5°	15244.4	15310.0	15348.5	15460.4	15464.2
15°	15024.6	15097.9	15167.3	15294.6	15310.0
17.5°	14758.5	14851.1	14947.5	15094.0	15113.3
20°	14457.7	14561.8	14693.0	14847.2	14870.3
22.5°	14110.6	14234.0	14403.7	14585.0	14612.0
25°	13721.1	13871.5	14068.2	14288.0	14322.7
27.5°	13277.6	13451.2	13717.3	13964.1	13994.9
30°	12795.6	13000.0	13331.6	13624.7	13674.9
32.5°	12286.5	12521.8	12930.6	13258.4	13327.8
35°	11731.2	12005.0	12498.6	12876.6	12953.7
37.5°	11183.6	11484.4	12043.6	12475.5	12568.1
40°	10543.4	10917.5	11557.7	12035.9	12147.7
42.5°	9941.8	10346.8	11071.8	11592.4	11700.4
45°	9259.3	9725.9	10539.6	11114.2	11233.7
47.5°	8619.1	9124.3	10026.7	10620.6	10744.0
50°	7944.2	8499.5	9479.1	10100.0	10227.2
52.5°	7269.3	7867.1	8912.2	9556.2	9675.8
55°	6559.8	7238.5	8337.6	8966.2	9074.2
57.5°	5900.3	6617.6	7747.5	8345.3	8410.8
60°	5248.6	5992.9	7145.9	7670.4	7693.6
62.5°	4612.3	5395.1	6528.9	6945.4	6914.6
65°	4003.0	4820.5	5900.3	6193.4	6124.0
67.5°	3416.8	4261.3	5256.3	5445.3	5352.7
70°	2861.5	3717.6	4631.6	4728.0	4643.1
72.5°	2371.7	3200.8	3999.1	4080.1	4018.4
75°	1885.8	2707.2	3416.8	3505.5	3470.8
77.5°	1430.7	2229.0	2880.7	2996.4	3004.1
80°	1029.7	1793.2	2414.1	2595.4	2618.5
82.5°	678.7	1392.2	2024.6	2256.0	2290.7
85°	393.4	1037.4	1712.2	1947.5	1982.2
87.5°	169.7	748.1	1376.7	1588.8	1631.3
90°	0.0	404.9	979.5	1234.1	1284.2
92.5°	11.6	335.5	840.7	1072.1	1114.5
95°	19.3	273.8	732.7	933.3	968.0
97.5°	23.1	231.4	636.3	813.7	848.4
100°	23.1	200.5	551.5	713.4	744.3
102.5°	23.1	177.4	482.1	624.7	651.7
105°	27.0	158.1	424.2	555.3	578.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	30.9	104.1	293.1	393.4	408.8
115°	30.9	88.7	262.2	350.9	366.4
117.5°	34.7	77.1	231.4	316.2	327.8
120°	34.7	65.6	204.4	281.5	296.9
122.5°	34.7	54.0	181.3	254.5	266.1
125°	30.9	42.4	158.1	227.5	239.1
127.5°	27.0	34.7	135.0	204.4	216.0
130°	27.0	30.9	115.7	181.3	192.8
132.5°	27.0	34.7	96.4	158.1	173.5
135°	27.0	34.7	81.0	138.8	154.3
137.5°	27.0	34.7	65.6	119.5	135.0
140°	30.9	34.7	54.0	100.3	115.7
142.5°	34.7	34.7	42.4	84.8	96.4
145°	38.6	34.7	38.6	69.4	81.0
147.5°	38.6	38.6	38.6	54.0	65.6
150°	38.6	42.4	38.6	42.4	54.0
152.5°	38.6	42.4	38.6	34.7	42.4
155°	38.6	42.4	38.6	34.7	38.6
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°	27.0	138.8	374.1	493.6	512.9
110°	27.0	123.4	331.7	439.6	458.9



(END OF REPORT)