

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: P830703

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60SE-N-UNV-L730-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

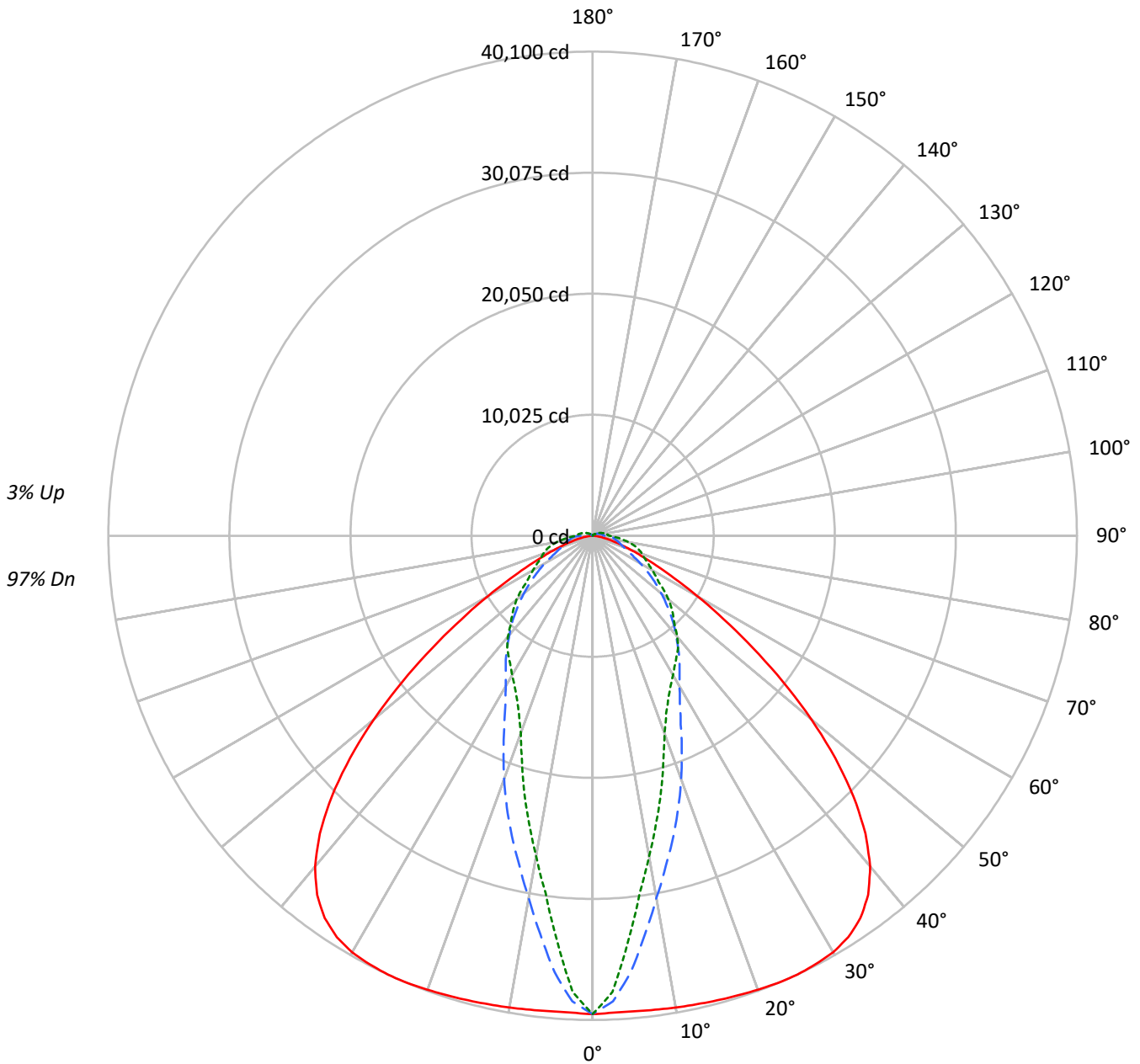
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 58466.0 lumens  
Efficiency: N/A  
Efficacy: 161.5 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

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

	0°	45°	90°
0°	67660	67660	67660
5°	67522	61616	57288
10°	68284	51901	45936
15°	69618	44388	37703
20°	71573	37532	30495
25°	74049	31066	26720
30°	76608	26763	24822
35°	78202	24390	23649
40°	76864	22032	22436
45°	70712	19910	20772
50°	59659	17590	19496
55°	45332	15407	17349
60°	31768	13213	16609
65°	21369	11379	16260
70°	14594	10679	17058
75°	10127	11014	18226
80°	6972	12198	18764
85°	4077	15257	19684



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3334.7	5.7
10°-20°	7844.6	13.4
20°-30°	9833.1	16.8
30°-40°	10434.0	17.8
40°-50°	9434.0	16.1
50°-60°	6840.3	11.7
60°-70°	4292.6	7.3
70°-80°	2840.7	4.9
80°-90°	1636.5	2.8
90°-100°	792.9	1.4
100°-110°	547.3	0.9
110°-120°	337.7	0.6
120°-130°	163.5	0.3
130°-140°	75.2	0.1
140°-150°	41.1	0.1
150°-160°	17.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	21012.3	35.9
0°-40°	31446.3	53.8
0°-60°	47720.6	81.6
0°-90°	56490.5	96.6
90°-120°	1677.8	2.9
90°-150°	1957.7	3.3
90°-180°	1976.0	3.4
0°-180°	58466.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	39614	39614	39614	39614	39614	
5°	39535	38520	36258	34577	33706	###
15°	39836	32469	25788	22934	21894	11297
25°	40100	25106	17268	15326	14840	18526
35°	38664	16691	12532	12140	12136	24035
45°	30565	10572	9082	9301	9460	23285
55°	16182	6553	5927	6428	6658	14621
65°	5787	3800	3431	4396	4886	6022
75°	1787	2047	2304	3578	3793	1992
85°	313	848	1685	2345	2153	375
90°	0	354	976	1376	1387	20
95°	15	249	860	1169	1222	13
105°	30	166	626	830	852	30
115°	42	117	422	528	539	41
125°	45	60	215	272	268	39
135°	38	45	94	147	147	30
145°	45	49	57	87	83	27
155°	45	57	60	64	57	14
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°	39613.8	39613.8	39613.8	39613.8	39613.8
2.5°	39530.9	39304.7	38599.6	38169.8	37807.9
5°	39534.7	38520.5	36258.3	34576.8	33705.9
7.5°	39591.2	37336.6	33261.0	30806.6	29848.9
10°	39677.9	35870.0	30463.5	27846.9	26953.4
12.5°	39742.0	34218.6	28001.5	25313.3	24333.1
15°	39836.3	32469.2	25788.4	22934.3	21893.7
17.5°	39923.0	30821.7	23601.7	20619.4	19461.9
20°	40009.7	29045.9	21414.9	18342.2	17388.3
22.5°	40092.7	27172.1	19281.0	16573.9	15921.7
25°	40100.2	25106.0	17267.7	15326.0	14839.6
27.5°	40002.2	22964.5	15635.2	14281.6	13980.0
30°	39832.5	20887.1	14368.4	13527.6	13312.7
32.5°	39410.2	18768.2	13388.1	12799.9	12675.5
35°	38663.7	16690.8	12532.3	12140.1	12136.4
37.5°	37487.4	14847.2	11604.8	11536.9	11619.9
40°	35749.3	13233.5	10726.3	10907.3	10907.3
42.5°	33430.7	11831.0	9930.8	10115.5	10066.5
45°	30565.3	10571.7	9082.5	9301.2	9459.5
47.5°	27243.7	9463.3	8215.3	8637.6	8856.3
50°	23631.8	8407.6	7423.6	7962.7	8211.6
52.5°	19846.5	7431.1	6650.7	7269.0	7468.8
55°	16181.8	6552.7	5926.8	6428.2	6658.2
57.5°	12864.0	5715.7	5218.0	5693.1	6168.1
60°	10010.0	4995.6	4550.7	5229.3	5704.4
62.5°	7646.0	4354.6	3924.8	4795.7	5270.8
65°	5787.3	3800.4	3430.9	4396.1	4886.2
67.5°	4362.2	3321.6	3046.3	4105.8	4584.6
70°	3276.3	2857.8	2737.2	3924.8	4354.6
72.5°	2420.5	2431.8	2492.1	3766.5	4094.5
75°	1787.1	2047.2	2303.6	3578.0	3792.9
77.5°	1278.1	1696.6	2134.0	3351.7	3427.1
80°	886.0	1383.7	1956.8	3053.9	2989.8
82.5°	554.2	1108.4	1798.4	2725.9	2548.7
85°	312.9	848.3	1685.3	2345.1	2152.8
87.5°	139.5	633.4	1474.2	1828.6	1707.9
90°	0.0	354.4	976.5	1376.1	1387.4
92.5°	7.5	294.1	901.1	1259.3	1297.0
95°	15.1	248.8	859.6	1168.8	1221.6
97.5°	18.9	218.7	806.8	1085.8	1131.1
100°	22.6	196.1	742.7	999.1	1036.8
102.5°	26.4	181.0	682.4	908.6	938.8
105°	30.2	165.9	625.9	829.5	852.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	37.7	128.2	471.3	595.7	614.5
115°	41.5	116.9	422.3	527.8	539.1
117.5°	45.2	101.8	369.5	463.7	467.5
120°	45.2	90.5	316.7	395.9	395.9
122.5°	45.2	75.4	263.9	328.0	324.2
125°	45.2	60.3	214.9	271.5	267.7
127.5°	41.5	49.0	173.4	226.2	222.4
130°	41.5	49.0	139.5	192.3	192.3
132.5°	37.7	45.2	113.1	165.9	165.9
135°	37.7	45.2	94.3	147.0	147.0
137.5°	37.7	49.0	79.2	128.2	128.2
140°	37.7	45.2	67.9	113.1	113.1
142.5°	41.5	45.2	60.3	98.0	98.0
145°	45.2	49.0	56.6	86.7	82.9
147.5°	45.2	52.8	56.6	75.4	71.6
150°	45.2	56.6	56.6	67.9	64.1
152.5°	45.2	56.6	56.6	64.1	60.3
155°	45.2	56.6	60.3	64.1	56.6
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°	30.2	154.6	573.1	742.7	769.1
110°	33.9	139.5	524.1	663.6	690.0



(END OF REPORT)