

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: P830715

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

Issue Date: 5/3/2024



**Test Information**

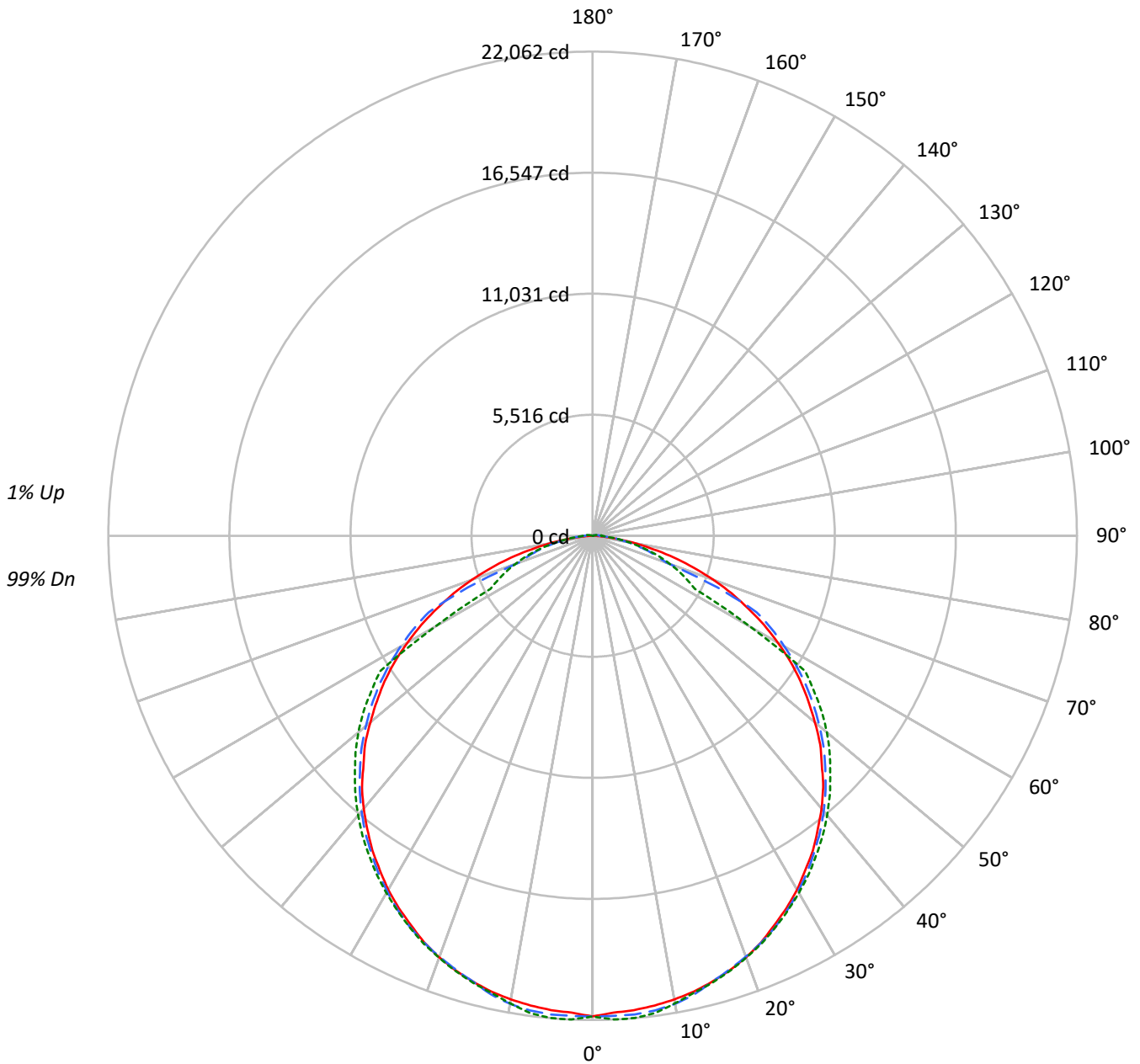
Test Method: LM-79-08  
Report Number: P830715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60SE-NL-UNV-L730-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61488.0 lumens  
Efficiency: N/A  
Efficacy: 169.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 362  
Input Voltage (V): NR  
Input Current (Ain): 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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

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

	0°	45°	90°
0°	37406	37406	37406
5°	37199	37535	37819
10°	37209	37563	37516
15°	37203	37197	37278
20°	37152	37096	37187
25°	36899	37086	37115
30°	36727	36917	37061
35°	36489	36690	37034
40°	36174	36517	37057
45°	35653	36191	36980
50°	35115	35831	37015
55°	34443	35337	36607
60°	33290	34471	28499
65°	31496	33328	19180
70°	29131	17693	18615
75°	25409	16813	17777
80°	19541	15423	16291
85°	9863	15587	15962



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2080.6	3.4
10°-20°	5957.4	9.7
20°-30°	9064.7	14.7
30°-40°	11021.4	17.9
40°-50°	11588.4	18.8
50°-60°	10581.6	17.2
60°-70°	6783.4	11.0
70°-80°	3204.4	5.2
80°-90°	888.5	1.4
90°-100°	235.3	0.4
100°-110°	64.4	0.1
110°-120°	17.9	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	17102.7	27.8
0°-40°	28124.1	45.7
0°-60°	50294.1	81.8
0°-90°	61170.4	99.5
90°-120°	317.6	0.5
90°-150°	317.6	0.5
90°-180°	318.0	0.5
0°-180°	61488.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21900	21900	21900	21900	21900	
5°	21697	21781	21893	22012	22058	###
15°	21040	21197	21036	21066	21082	5940
25°	19579	19610	19679	19710	19694	9035
35°	17500	17397	17596	17812	17762	10937
45°	14760	14733	14983	15337	15310	11409
55°	11567	11478	11867	12262	12293	10316
65°	7793	7793	8246	4730	4746	7726
75°	3850	3924	2548	2682	2694	4059
85°	503	638	795	861	814	744
90°	0	215	354	419	411	22
95°	11	112	254	342	342	6
105°	19	42	61	61	58	19
115°	19	27	38	27	4	14
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
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°	21900.4	21900.4	21900.4	21900.4	21900.4
2.5°	21746.7	21819.9	21900.4	22004.2	22061.6
5°	21696.6	21781.2	21892.7	22011.9	22057.9
7.5°	21589.2	21708.0	21815.8	21900.4	21927.3
10°	21454.5	21596.9	21658.4	21650.6	21631.5
12.5°	21273.9	21424.0	21404.9	21316.2	21331.7
15°	21039.5	21197.0	21035.9	21066.4	21081.9
17.5°	20762.9	20916.7	20728.3	20789.7	20793.8
20°	20440.3	20555.4	20409.3	20459.4	20459.4
22.5°	20052.1	20132.7	20071.2	20105.8	20113.5
25°	19579.4	19609.9	19679.0	19710.0	19694.5
27.5°	19126.1	19087.5	19222.1	19295.0	19256.3
30°	18622.4	18561.0	18718.5	18837.7	18791.7
32.5°	18045.9	18007.7	18188.3	18330.3	18303.5
35°	17500.3	17396.6	17596.4	17811.6	17761.5
37.5°	16854.7	16793.2	17019.8	17246.9	17220.0
40°	16224.4	16120.7	16378.2	16647.2	16620.3
42.5°	15548.3	15425.0	15705.7	16028.8	15997.8
45°	14760.2	14733.3	14983.1	15336.7	15309.8
47.5°	14061.2	13926.5	14276.0	14618.2	14649.1
50°	13215.4	13165.7	13484.7	13899.7	13930.2
52.5°	12389.5	12354.9	12688.9	13108.0	13161.7
55°	11566.8	11478.5	11866.7	12262.5	12293.4
57.5°	10687.2	10594.8	10990.7	11421.2	11486.2
60°	9745.3	9657.0	10091.2	10491.1	8342.9
62.5°	8803.9	8742.4	9196.1	6513.7	5249.6
65°	7793.3	7793.3	8246.5	4730.5	4745.9
67.5°	6848.1	6786.7	6148.8	4250.0	4250.0
70°	5833.4	5856.6	3542.9	3723.9	3727.6
72.5°	4815.1	4899.7	3059.1	3204.8	3212.5
75°	3850.4	3923.7	2547.7	2682.4	2693.8
77.5°	2828.4	2175.0	2048.1	2152.2	2155.9
80°	1986.7	1371.9	1568.0	1667.7	1656.3
82.5°	1160.3	960.6	1149.0	1222.2	1218.1
85°	503.3	637.9	795.4	860.9	814.5
87.5°	161.1	395.9	495.5	534.2	530.1
90°	0.0	215.2	353.6	418.7	411.3
92.5°	0.0	168.8	307.6	384.5	388.1
95°	11.4	111.5	253.9	342.2	342.2
97.5°	7.7	80.6	180.6	268.9	276.7
100°	7.7	65.1	119.2	192.0	196.1
102.5°	19.1	53.7	72.8	122.9	126.9
105°	19.1	42.3	61.4	61.4	57.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	23.2	30.9	42.3	30.9	3.7
115°	19.1	26.9	38.2	26.9	3.7
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	19.1	38.2	53.7	34.6	11.4
110°	23.2	34.6	46.0	30.9	3.7



(END OF REPORT)