

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: P830283

Luminaire Tested: **OHBL-30SE-NL-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830283  
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-30SE-NL-UNV-L730-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

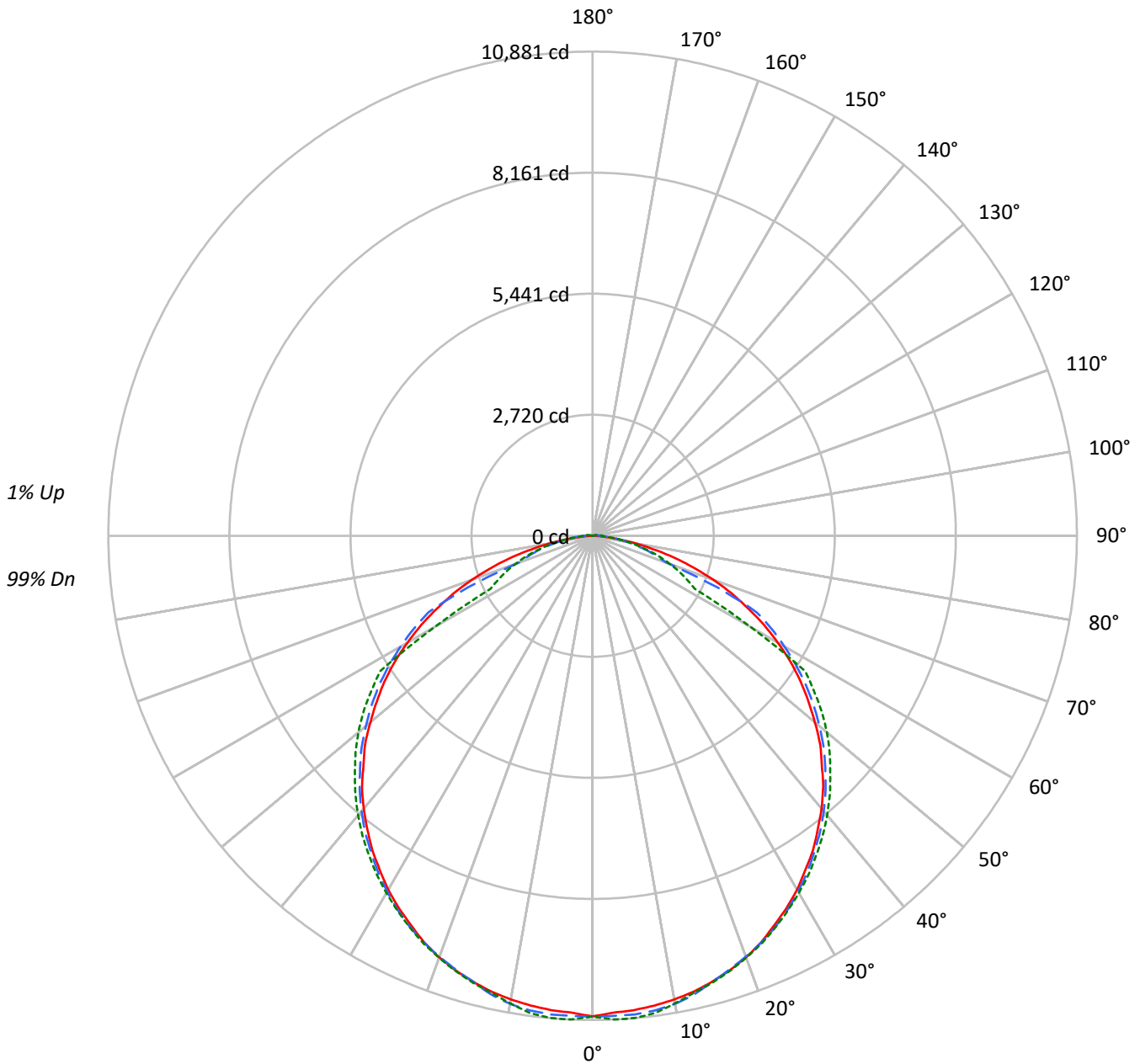
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30326.0 lumens  
Efficiency: N/A  
Efficacy: 174.3 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): 174  
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°	18449	18449	18449
5°	18347	18512	18652
10°	18352	18526	18503
15°	18349	18345	18385
20°	18324	18296	18341
25°	18198	18291	18305
30°	18114	18208	18279
35°	17997	18095	18265
40°	17841	18010	18277
45°	17584	17850	18239
50°	17319	17672	18256
55°	16988	17428	18055
60°	16419	17001	14056
65°	15534	16437	9460
70°	14368	8726	9181
75°	12532	8292	8768
80°	9637	7606	8035
85°	4864	7688	7872



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1026.2	3.4
10°-20°	2938.2	9.7
20°-30°	4470.7	14.7
30°-40°	5435.8	17.9
40°-50°	5715.4	18.8
50°-60°	5218.9	17.2
60°-70°	3345.6	11.0
70°-80°	1580.4	5.2
80°-90°	438.2	1.4
90°-100°	116.1	0.4
100°-110°	31.8	0.1
110°-120°	8.8	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°	8435.1	27.8
0°-40°	13870.8	45.7
0°-60°	24805.2	81.8
0°-90°	30169.3	99.5
90°-120°	156.7	0.5
90°-150°	156.7	0.5
90°-180°	157.0	0.5
0°-180°	30326.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10801	10801	10801	10801	10801	
5°	10701	10742	10798	10856	10879	###
15°	10377	10454	10375	10390	10398	2930
25°	9657	9672	9706	9721	9713	4456
35°	8631	8580	8679	8785	8760	5394
45°	7280	7266	7390	7564	7551	5627
55°	5705	5661	5853	6048	6063	5088
65°	3844	3844	4067	2333	2341	3811
75°	1899	1935	1256	1323	1329	2002
85°	248	315	392	425	402	367
90°	0	106	174	206	203	11
95°	6	55	125	169	169	3
105°	9	21	30	30	28	9
115°	9	13	19	13	2	7
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	0



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CATALOG NUMBER: OHBL-30SE-NL-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10801.3	10801.3	10801.3	10801.3	10801.3
2.5°	10725.5	10761.6	10801.3	10852.5	10880.8
5°	10700.8	10742.5	10797.5	10856.3	10879.0
7.5°	10647.8	10706.4	10759.6	10801.3	10814.6
10°	10581.4	10651.6	10681.9	10678.1	10668.7
12.5°	10492.3	10566.4	10556.9	10513.2	10520.8
15°	10376.7	10454.4	10374.9	10390.0	10397.6
17.5°	10240.3	10316.1	10223.2	10253.5	10255.5
20°	10081.2	10138.0	10065.9	10090.6	10090.6
22.5°	9889.7	9929.5	9899.2	9916.2	9920.0
25°	9656.6	9671.6	9705.7	9721.0	9713.4
27.5°	9433.0	9414.0	9480.4	9516.3	9497.2
30°	9184.6	9154.3	9232.0	9290.8	9268.1
32.5°	8900.3	8881.4	8970.5	9040.5	9027.3
35°	8631.2	8580.0	8678.6	8784.7	8760.0
37.5°	8312.8	8282.5	8394.2	8506.2	8492.9
40°	8001.9	7950.8	8077.8	8210.4	8197.2
42.5°	7668.4	7607.6	7746.1	7905.4	7890.2
45°	7279.8	7266.5	7389.7	7564.1	7550.8
47.5°	6935.0	6868.6	7041.0	7209.7	7225.0
50°	6517.8	6493.4	6650.7	6855.4	6870.4
52.5°	6110.5	6093.4	6258.2	6464.9	6491.4
55°	5704.8	5661.2	5852.7	6047.9	6063.2
57.5°	5270.9	5225.4	5420.6	5632.9	5665.0
60°	4806.4	4762.9	4977.0	5174.2	4114.7
62.5°	4342.1	4311.8	4535.5	3212.6	2589.1
65°	3843.6	3843.6	4067.2	2333.1	2340.7
67.5°	3377.5	3347.2	3032.6	2096.1	2096.1
70°	2877.1	2888.5	1747.3	1836.6	1838.4
72.5°	2374.8	2416.6	1508.8	1580.6	1584.4
75°	1899.0	1935.2	1256.5	1323.0	1328.6
77.5°	1395.0	1072.7	1010.1	1061.5	1063.3
80°	979.8	676.6	773.3	822.5	816.9
82.5°	572.3	473.8	566.7	602.8	600.8
85°	248.2	314.6	392.3	424.6	401.7
87.5°	79.5	195.2	244.4	263.5	261.5
90°	0.0	106.1	174.4	206.5	202.9
92.5°	0.0	83.3	151.7	189.6	191.4
95°	5.6	55.0	125.2	168.8	168.8
97.5°	3.8	39.7	89.1	132.6	136.4
100°	3.8	32.1	58.8	94.7	96.7
102.5°	9.4	26.5	35.9	60.6	62.6
105°	9.4	20.9	30.3	30.3	28.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.4	15.3	20.9	15.3	1.8
115°	9.4	13.2	18.9	13.2	1.8
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°	9.4	18.9	26.5	17.1	5.6
110°	11.4	17.1	22.7	15.3	1.8



(END OF REPORT)