

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: P830288

Luminaire Tested: **OHBL-30SE-NL-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

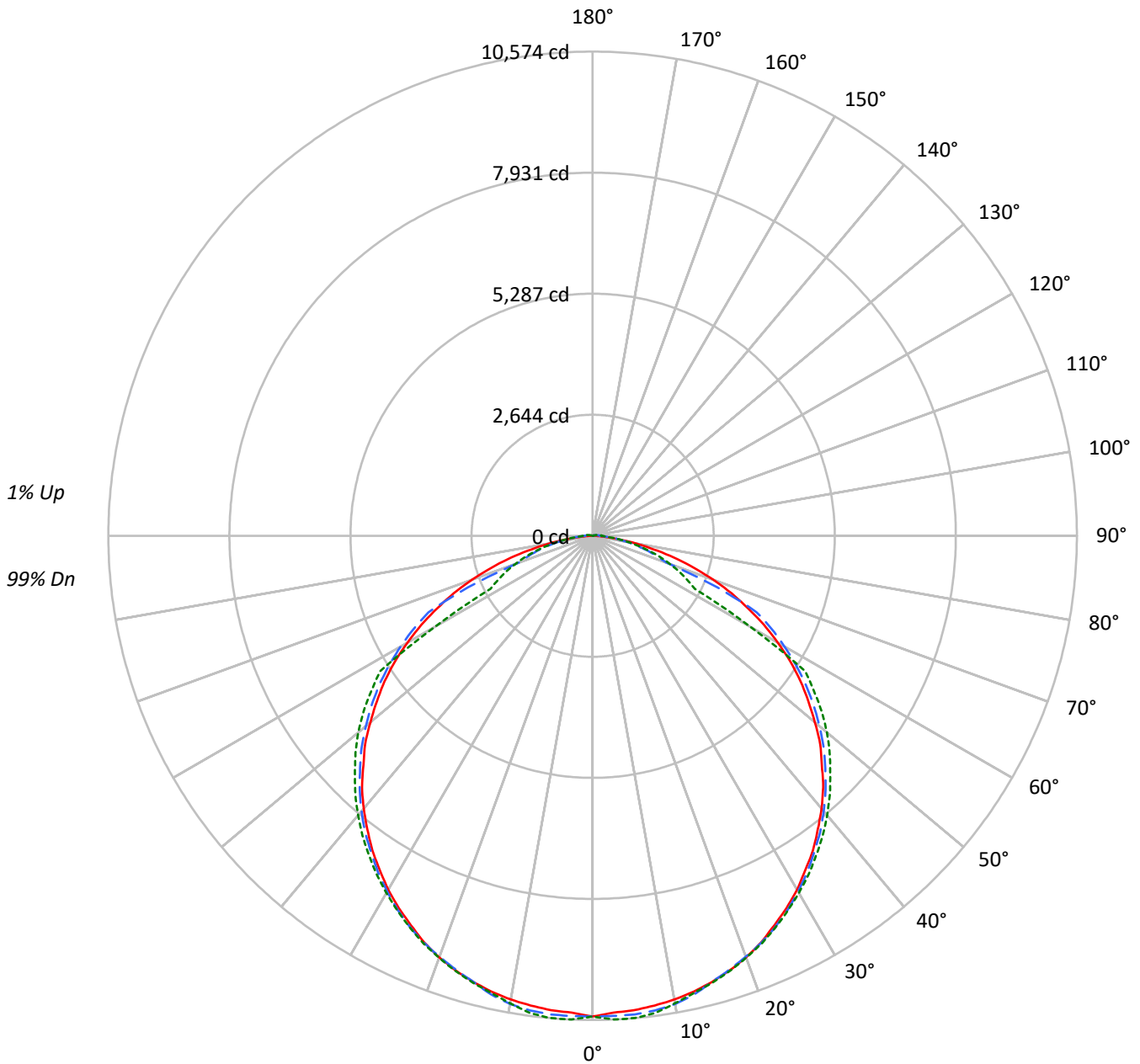
Test Method: LM-79-08  
Report Number: P830288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-NL-UNV-L835-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29472.0 lumens  
Efficiency: N/A  
Efficacy: 169.4 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°	17929	17929	17929
5°	17830	17991	18127
10°	17835	18004	17982
15°	17832	17829	17868
20°	17808	17781	17824
25°	17686	17776	17790
30°	17604	17695	17764
35°	17490	17586	17751
40°	17339	17503	17762
45°	17089	17347	17725
50°	16831	17174	17742
55°	16509	16937	17546
60°	15956	16522	13660
65°	15096	15974	9193
70°	13963	8480	8922
75°	12179	8058	8521
80°	9366	7393	7809
85°	4727	7470	7651



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	997.3	3.4
10°-20°	2855.5	9.7
20°-30°	4344.8	14.7
30°-40°	5282.7	17.9
40°-50°	5554.5	18.8
50°-60°	5071.9	17.2
60°-70°	3251.4	11.0
70°-80°	1535.9	5.2
80°-90°	425.9	1.4
90°-100°	112.8	0.4
100°-110°	30.9	0.1
110°-120°	8.6	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°	8197.5	27.8
0°-40°	13480.2	45.7
0°-60°	24106.6	81.8
0°-90°	29319.8	99.5
90°-120°	152.2	0.5
90°-150°	152.2	0.5
90°-180°	152.0	0.5
0°-180°	29472.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10497	10497	10497	10497	10497	
5°	10400	10440	10494	10551	10573	989
15°	10084	10160	10083	10097	10105	2847
25°	9385	9399	9432	9447	9440	4330
35°	8388	8338	8434	8537	8513	5242
45°	7075	7062	7182	7351	7338	5468
55°	5544	5502	5688	5878	5892	4944
65°	3735	3735	3953	2267	2275	3703
75°	1846	1881	1221	1286	1291	1945
85°	241	306	381	413	390	357
90°	0	103	170	201	197	11
95°	6	53	122	164	164	3
105°	9	20	29	29	28	9
115°	9	13	18	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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10497.2	10497.2	10497.2	10497.2	10497.2
2.5°	10423.5	10458.6	10497.2	10546.9	10574.4
5°	10399.5	10440.0	10493.5	10550.6	10572.6
7.5°	10348.0	10404.9	10456.6	10497.2	10510.0
10°	10283.4	10351.7	10381.1	10377.4	10368.3
12.5°	10196.9	10268.8	10259.6	10217.1	10224.5
15°	10084.5	10160.0	10082.8	10097.4	10104.8
17.5°	9951.9	10025.6	9935.3	9964.8	9966.7
20°	9797.3	9852.5	9782.5	9806.4	9806.4
22.5°	9611.2	9649.9	9620.4	9637.0	9640.7
25°	9384.6	9399.3	9432.4	9447.2	9439.8
27.5°	9167.4	9148.9	9213.4	9248.3	9229.8
30°	8926.0	8896.5	8972.0	9029.1	9007.1
32.5°	8649.6	8631.3	8717.9	8786.0	8773.1
35°	8388.1	8338.4	8434.2	8537.3	8513.3
37.5°	8078.7	8049.2	8157.8	8266.6	8253.8
40°	7776.6	7726.9	7850.3	7979.2	7966.3
42.5°	7452.5	7393.4	7528.0	7682.8	7668.0
45°	7074.8	7061.9	7181.6	7351.1	7338.2
47.5°	6739.7	6675.2	6842.7	7006.7	7021.5
50°	6334.3	6310.5	6463.4	6662.3	6676.9
52.5°	5938.4	5921.9	6082.0	6282.8	6308.6
55°	5544.1	5501.8	5687.8	5877.6	5892.4
57.5°	5122.5	5078.2	5268.0	5474.3	5505.5
60°	4671.1	4628.7	4836.8	5028.5	3998.9
62.5°	4219.8	4190.4	4407.8	3122.1	2516.2
65°	3735.4	3735.4	3952.6	2267.4	2274.8
67.5°	3282.4	3253.0	2947.2	2037.1	2037.1
70°	2796.0	2807.2	1698.1	1784.9	1786.7
72.5°	2307.9	2348.5	1466.3	1536.1	1539.8
75°	1845.6	1880.7	1221.1	1285.7	1291.2
77.5°	1355.7	1042.5	981.7	1031.6	1033.4
80°	952.2	657.6	751.6	799.3	793.9
82.5°	556.2	460.4	550.7	585.8	583.9
85°	241.2	305.8	381.2	412.6	390.4
87.5°	77.2	189.7	237.5	256.0	254.1
90°	0.0	103.2	169.5	200.7	197.2
92.5°	0.0	80.9	147.4	184.3	186.0
95°	5.5	53.4	121.7	164.0	164.0
97.5°	3.7	38.6	86.6	128.9	132.6
100°	3.7	31.2	57.1	92.0	94.0
102.5°	9.2	25.7	34.9	58.9	60.8
105°	9.2	20.3	29.4	29.4	27.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.1	14.8	20.3	14.8	1.8
115°	9.2	12.9	18.3	12.9	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°	9.2	18.3	25.7	16.6	5.5
110°	11.1	16.6	22.0	14.8	1.8



(END OF REPORT)