

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: P830221

Luminaire Tested: **OHBL-30HE-NL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830221
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-30HE-NL-UNV-L940-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

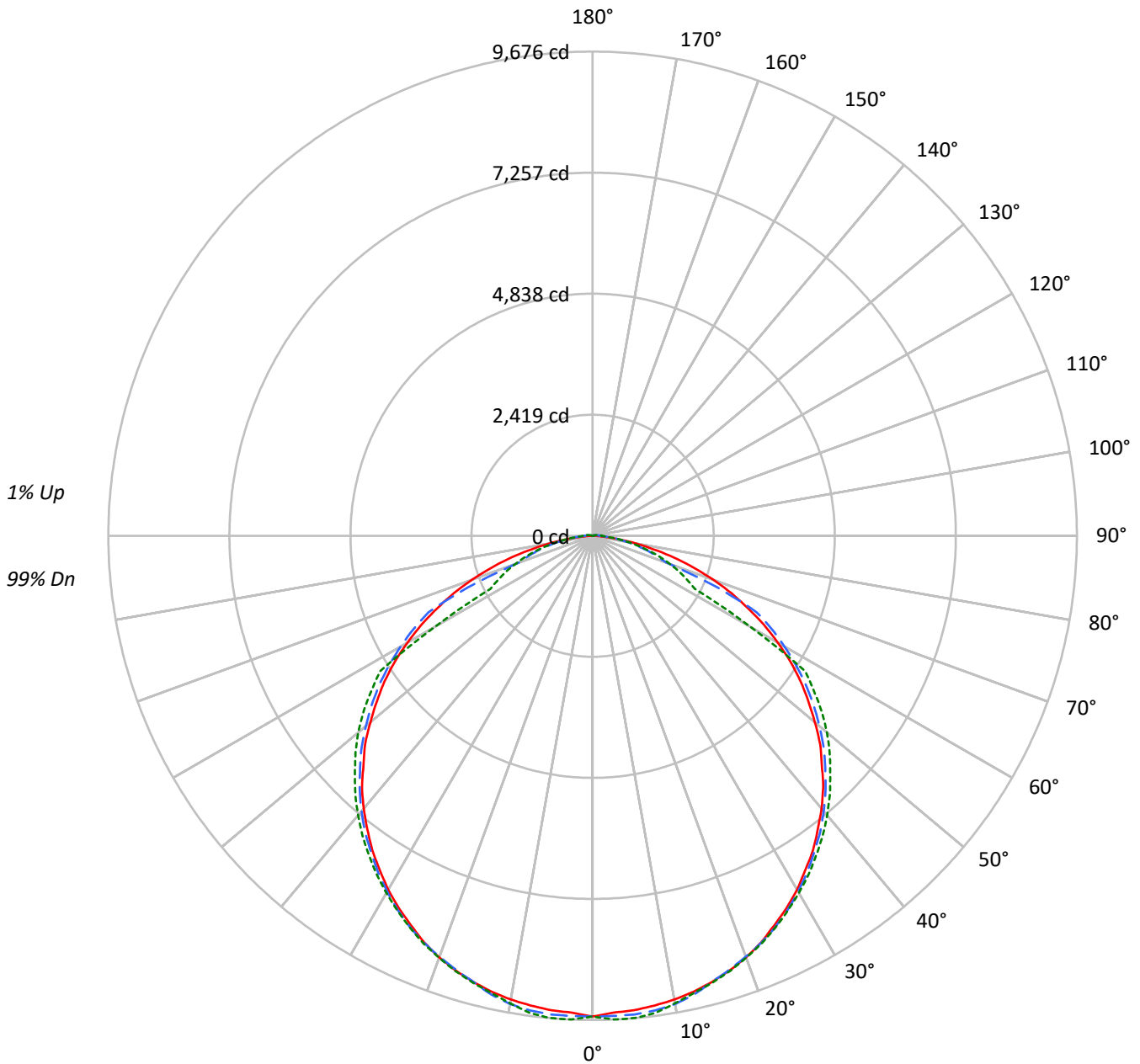
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26969.0 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 163.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	15191	15191	15191
5°	15107	15244	15359
10°	15111	15255	15236
15°	15109	15106	15139
20°	15088	15065	15102
25°	14985	15061	15073
30°	14916	14993	15051
35°	14819	14900	15040
40°	14691	14830	15050
45°	14479	14698	15018
50°	14261	14552	15032
55°	13988	14351	14867
60°	13520	13999	11574
65°	12791	13535	7790
70°	11831	7185	7560
75°	10319	6828	7219
80°	7936	6263	6616
85°	4005	6331	6483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.6	3.4
10°-20°	2613.0	9.7
20°-30°	3975.8	14.7
30°-40°	4834.0	17.9
40°-50°	5082.8	18.8
50°-60°	4641.2	17.2
60°-70°	2975.2	11.0
70°-80°	1405.4	5.2
80°-90°	389.7	1.4
90°-100°	103.2	0.4
100°-110°	28.3	0.1
110°-120°	7.8	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°	7501.3	27.8
0°-40°	12335.4	45.7
0°-60°	22059.3	81.8
0°-90°	26829.7	99.5
90°-120°	139.3	0.5
90°-150°	139.3	0.5
90°-180°	139.0	0.5
0°-180°	26969.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9606	9606	9606	9606	9606	
5°	9516	9553	9602	9655	9675	905
15°	9228	9297	9226	9240	9247	2605
25°	8588	8601	8631	8645	8638	3963
35°	7676	7630	7718	7812	7790	4797
45°	6474	6462	6572	6727	6715	5004
55°	5073	5034	5205	5378	5392	4525
65°	3418	3418	3617	2075	2082	3389
75°	1689	1721	1117	1176	1182	1780
85°	221	280	349	378	357	326
90°	0	94	155	184	180	10
95°	5	49	111	150	150	3
105°	8	19	27	27	25	8
115°	8	12	17	12	2	6
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°	9605.7	9605.7	9605.7	9605.7	9605.7
2.5°	9538.2	9570.3	9605.7	9651.2	9676.3
5°	9516.3	9553.4	9602.3	9654.6	9674.7
7.5°	9469.2	9521.3	9568.5	9605.7	9617.4
10°	9410.1	9472.5	9499.5	9496.1	9487.7
12.5°	9330.9	9396.7	9388.3	9349.4	9356.2
15°	9228.1	9297.1	9226.5	9239.8	9246.6
17.5°	9106.7	9174.2	9091.6	9118.5	9120.3
20°	8965.2	9015.7	8951.7	8973.6	8973.6
22.5°	8795.0	8830.3	8803.4	8818.5	8821.9
25°	8587.6	8601.0	8631.3	8644.9	8638.1
27.5°	8388.8	8371.9	8430.9	8462.9	8445.9
30°	8167.9	8141.0	8210.0	8262.3	8242.1
32.5°	7915.0	7898.3	7977.5	8039.8	8028.0
35°	7675.8	7630.2	7717.9	7812.3	7790.3
37.5°	7392.6	7365.6	7465.0	7564.6	7552.8
40°	7116.1	7070.6	7183.6	7301.5	7289.8
42.5°	6819.6	6765.5	6888.6	7030.3	7016.7
45°	6473.9	6462.1	6571.7	6726.8	6715.0
47.5°	6167.3	6108.3	6261.6	6411.6	6425.2
50°	5796.3	5774.6	5914.5	6096.5	6109.9
52.5°	5434.1	5418.9	5565.4	5749.2	5772.8
55°	5073.3	5034.5	5204.8	5378.4	5392.0
57.5°	4687.5	4647.0	4820.6	5009.4	5037.9
60°	4274.4	4235.6	4426.0	4601.5	3659.2
62.5°	3861.4	3834.5	4033.5	2856.9	2302.5
65°	3418.2	3418.2	3617.0	2074.8	2081.6
67.5°	3003.6	2976.7	2696.9	1864.1	1864.1
70°	2558.6	2568.8	1553.9	1633.3	1634.9
72.5°	2111.9	2149.0	1341.7	1405.6	1409.0
75°	1688.8	1721.0	1117.4	1176.5	1181.5
77.5°	1240.6	954.0	898.3	944.0	945.6
80°	871.4	601.7	687.7	731.5	726.5
82.5°	508.9	421.3	503.9	536.1	534.3
85°	220.7	279.8	348.9	377.6	357.3
87.5°	70.7	173.6	217.3	234.3	232.5
90°	0.0	94.4	155.1	183.6	180.4
92.5°	0.0	74.1	134.9	168.6	170.2
95°	5.0	48.9	111.4	150.1	150.1
97.5°	3.4	35.3	79.2	118.0	121.3
100°	3.4	28.6	52.3	84.2	86.0
102.5°	8.4	23.6	31.9	53.9	55.7
105°	8.4	18.6	26.9	26.9	25.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.2	13.6	18.6	13.6	1.6
115°	8.4	11.8	16.8	11.8	1.6
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°	8.4	16.8	23.6	15.2	5.0
110°	10.2	15.2	20.2	13.6	1.6



(END OF REPORT)