

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: P828530

Luminaire Tested: **OHB-30HE-W-UNV-L950-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828530  
REPORT IS A COMBINATION OF REPORTS P826268 AND G3-2310-221-4  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-30HE-W-UNV-L950-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

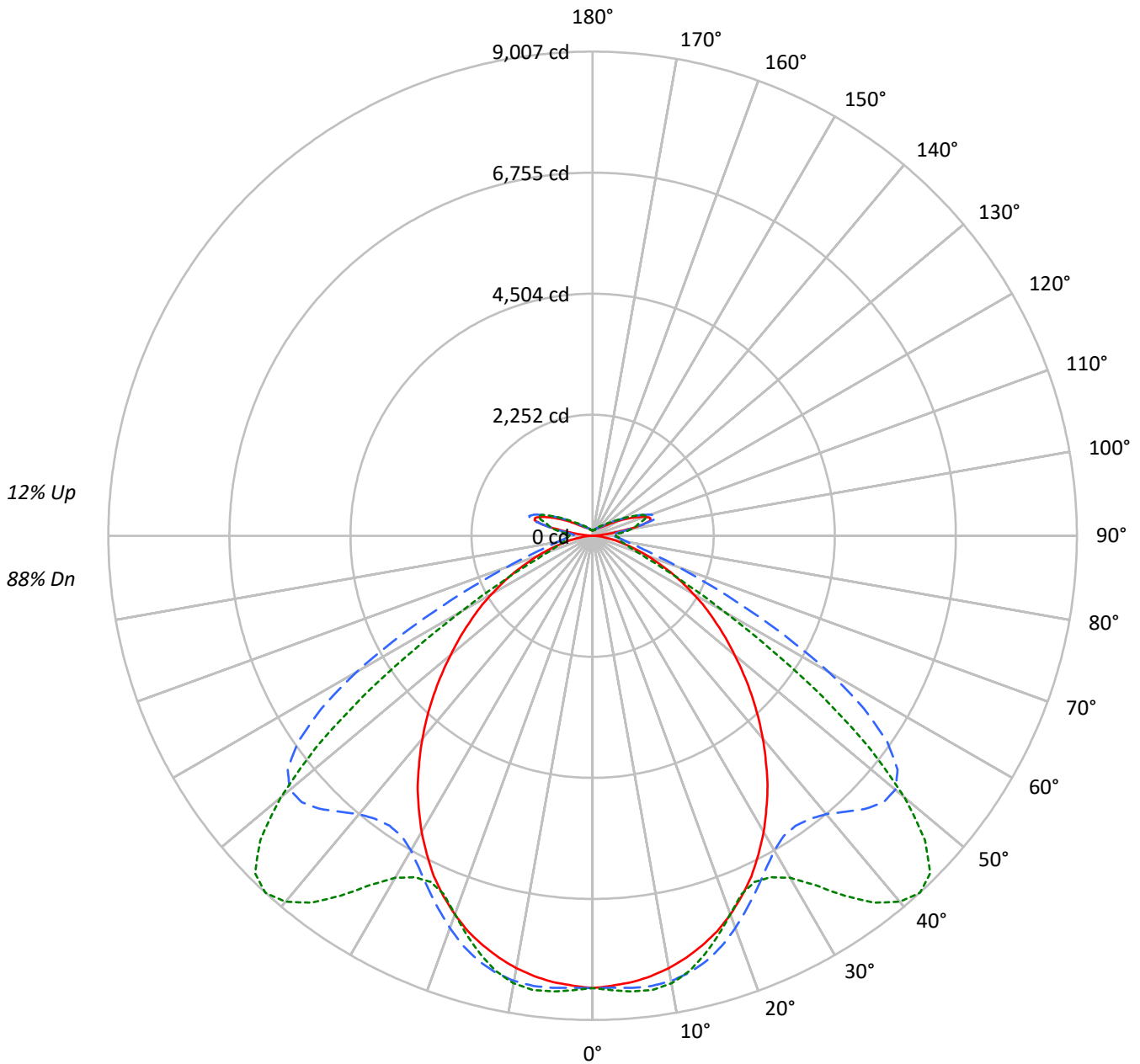
Lumens per Lamp: N/A  
Luminaire Lumens: 27854.3 lumens  
Efficiency: N/A  
Efficacy: 144.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 192.2  
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					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88								
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75								
2	97	89	83	77	94	86	81	76	81	76	72	76	72	69	72	68	66	63								
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53								
4	81	69	61	54	78	67	60	53	63	57	52	60	54	50	56	52	48	45								
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	45	41	39								
6	69	56	47	40	66	54	46	40	51	44	39	48	42	37	46	40	36	34								
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30								
8	59	46	37	31	57	44	36	31	42	35	30	40	34	29	38	33	28	26								
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24								
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21								

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

	0°	45°	90°
0°	26023	26023	26023
5°	25673	25932	26224
10°	25243	25837	26158
15°	24644	25356	25225
20°	23866	24430	23896
25°	22863	23324	23322
30°	21570	22488	24987
35°	20115	22844	29100
40°	18450	24669	33463
45°	16721	27892	35753
50°	14931	30727	33038
55°	13245	30553	25031
60°	11535	25709	15143
65°	9742	17631	9048
70°	7747	11294	6410
75°	5707	7988	5777
80°	3880	6872	6210
85°	2348	7271	8858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	804.0	2.9
10°-20°	2276.7	8.2
20°-30°	3331.5	12.0
30°-40°	4326.7	15.5
40°-50°	5283.4	19.0
50°-60°	4652.9	16.7
60°-70°	2424.7	8.7
70°-80°	1039.8	3.7
80°-90°	505.0	1.8
90°-100°	440.4	1.6
100°-110°	1076.3	3.9
110°-120°	852.3	3.1
120°-130°	408.4	1.5
130°-140°	205.8	0.7
140°-150°	117.9	0.4
150°-160°	66.4	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	6412.2	23.0
0°-40°	10738.9	38.6
0°-60°	20675.2	74.2
0°-90°	24644.7	88.5
90°-120°	2369.0	8.5
90°-150°	3100.9	11.1
90°-180°	3210.0	11.5
0°-180°	27854.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8413	8413	8413	8413	8413	
5°	8335	8399	8444	8519	8510	790
15°	7887	8108	8186	8125	8060	2221
25°	6988	7362	7237	7101	7108	3207
35°	5672	6272	6586	7680	8172	3536
45°	4177	5255	7183	8697	8878	3221
55°	2781	4603	6689	5865	5213	2496
65°	1596	3189	3062	1703	1465	1579
75°	643	1492	984	674	639	701
85°	136	532	501	490	496	152
90°	8	228	377	431	440	14
95°	53	212	385	462	483	182
105°	1118	1182	1204	981	891	1056
115°	778	803	871	898	886	780
125°	390	407	461	468	465	363
135°	233	237	260	285	286	183
145°	176	175	181	194	198	111
155°	144	147	145	146	146	65
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8413.4	8413.4	8413.4	8413.4	<i>8413.4</i>
2.5°	8377.1	8413.4	8415.3	8466.0	<i>8460.7</i>
5°	8335.4	8398.9	8444.3	8518.7	<i>8509.6</i>
7.5°	8266.4	8366.2	8446.1	8527.8	<i>8520.6</i>
10°	8168.3	8304.5	8409.8	8477.0	<i>8455.2</i>
12.5°	8041.3	8221.0	8324.5	8339.0	<i>8297.3</i>
15°	7887.0	8108.4	8186.5	8124.8	<i>8059.5</i>
17.5°	7712.8	7972.4	7999.6	7865.3	<i>7783.5</i>
20°	7495.0	7790.8	7763.6	7578.4	<i>7487.7</i>
22.5°	7253.5	7591.1	7504.0	7309.8	<i>7222.6</i>
25°	6988.5	7362.5	7237.2	7101.0	<i>7108.3</i>
27.5°	6678.1	7102.8	6981.2	7042.9	<i>7159.1</i>
30°	6362.2	6830.6	6756.2	7115.5	<i>7344.3</i>
32.5°	6015.6	6551.0	6618.2	7327.9	<i>7701.9</i>
35°	5672.5	6271.5	6585.5	7680.1	<i>8172.0</i>
37.5°	5293.1	5988.3	6638.2	8086.7	<i>8602.2</i>
40°	4924.6	5712.4	6757.9	8451.5	<i>8887.2</i>
42.5°	<i>4548.8</i>	<i>5465.6</i>	<i>6959.5</i>	<i>8667.6</i>	<i>9007.0</i>
45°	4176.7	5255.0	7182.7	8696.6	<i>8878.2</i>
47.5°	3804.7	5077.1	7337.0	8466.0	<i>8382.6</i>
50°	3445.3	4919.1	7347.9	7912.5	<i>7571.2</i>
52.5°	3109.4	4773.9	7148.2	7030.2	<i>6500.2</i>
55°	2780.9	4603.4	6689.0	5864.9	<i>5213.3</i>
57.5°	2481.4	4367.4	5981.1	4612.4	<i>3900.8</i>
60°	2163.7	4047.9	5066.2	3374.5	<i>2813.5</i>
62.5°	1871.5	3650.4	4040.7	2348.9	<i>2022.2</i>
65°	1595.5	3189.3	3062.3	1702.6	<i>1464.8</i>
67.5°	1303.3	2711.9	2259.9	1241.6	<i>1089.2</i>
70°	1074.6	2269.0	1682.7	965.7	<i>876.7</i>
72.5°	840.4	1847.8	1257.9	784.2	<i>735.1</i>
75°	642.6	1492.1	983.9	673.5	<i>639.0</i>
77.5°	473.8	1179.8	791.5	595.4	<i>562.7</i>
80°	332.2	929.3	662.5	531.8	<i>519.1</i>
82.5°	223.3	718.9	564.5	506.5	<i>508.3</i>
85°	136.2	531.8	501.0	490.1	<i>495.6</i>
87.5°	65.4	377.6	430.2	446.5	<i>452.0</i>
90°	7.9	228.1	377.3	430.6	<i>439.7</i>
92.5°	18.3	191.4	347.8	408.0	<i>418.9</i>
95°	53.2	212.5	384.9	462.5	<i>482.9</i>
97.5°	306.2	393.4	496.8	586.6	<i>626.0</i>
100°	602.8	711.1	680.9	734.2	<i>743.9</i>
102.5°	948.0	1030.6	938.2	849.5	<i>827.0</i>
105°	1117.6	1182.5	1203.5	980.6	<i>891.3</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	901.2	940.8	1017.9	1032.0	1014.8
115°	777.7	803.2	871.3	898.3	886.3
117.5°	659.6	683.9	745.5	760.3	755.2
120°	557.0	579.3	630.3	646.8	641.6
122.5°	467.4	489.6	542.9	553.3	547.3
125°	390.0	406.8	460.8	468.5	465.1
127.5°	330.8	340.5	388.2	405.5	403.0
130°	286.5	293.4	334.8	354.7	357.5
132.5°	256.1	262.1	293.7	314.4	317.2
135°	232.6	236.9	260.3	284.7	286.5
137.5°	211.7	217.8	234.8	256.5	260.1
140°	196.9	201.3	212.9	232.8	235.4
142.5°	185.7	187.4	197.2	213.4	216.1
145°	176.2	175.2	181.4	194.0	197.6
147.5°	165.8	167.5	170.9	180.0	181.8
150°	158.0	160.6	160.4	164.9	169.5
152.5°	151.0	152.8	151.7	153.5	157.1
155°	144.1	146.7	144.8	146.5	146.5
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	1118.5	1181.3	1236.7	1132.8	1014.6
110°	1026.3	1084.5	1148.1	1132.8	1075.6



(END OF REPORT)