

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: P828665

Luminaire Tested: **OHBL-30HE-MCL-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828665  
REPORT IS A COMBINATION OF REPORTS P826120 AND G3-2310-221-10  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30HE-MCL-UNV-L950-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

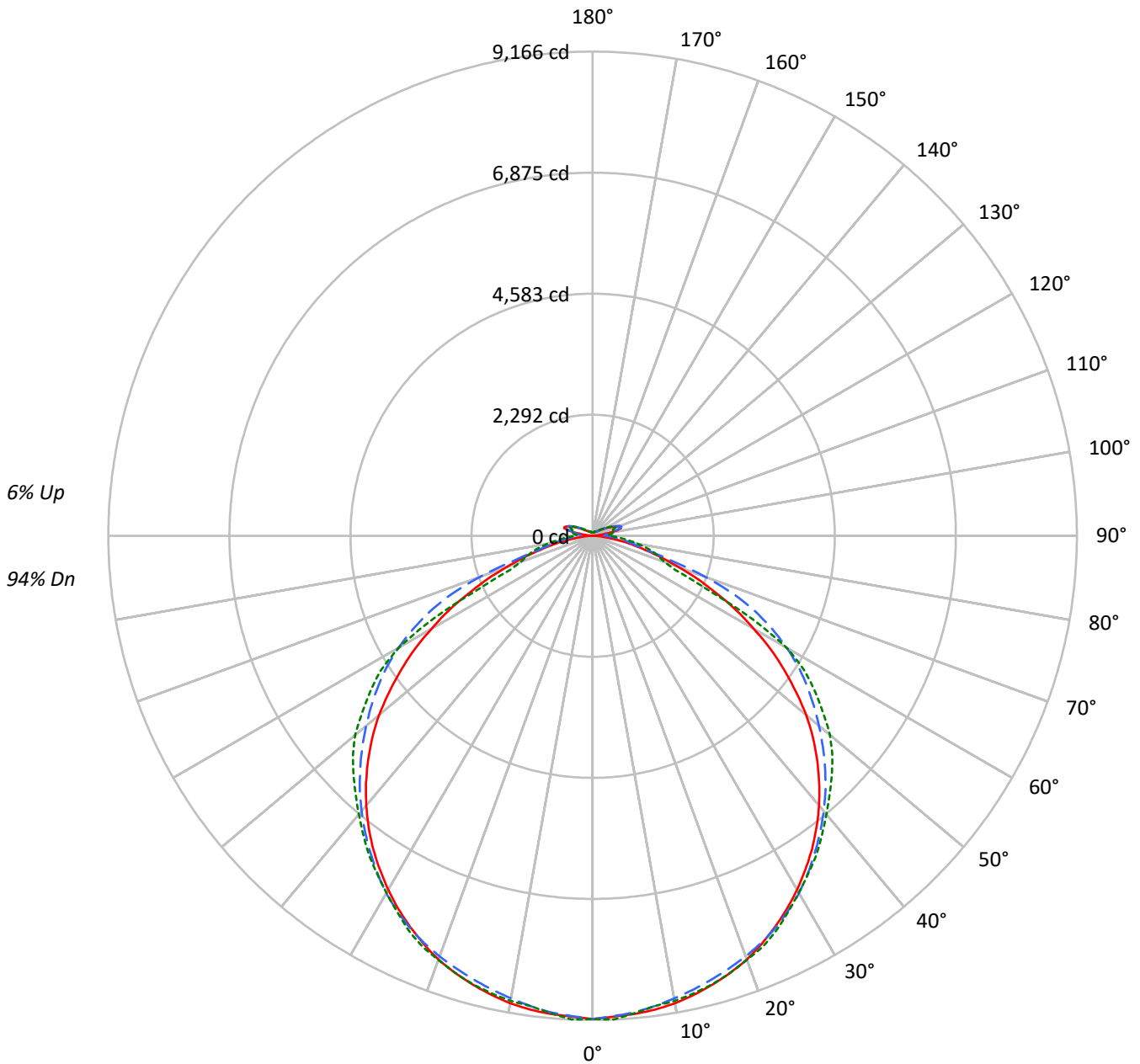
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27176.3 lumens  
Efficiency: N/A  
Efficacy: 156.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 174.1  
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				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	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	94
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	82	82	82	79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	69	69	69	67
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	59	59	59	56
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	50	50	50	48
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	44	44	44	42
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	39	39	39	36
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	34	34	34	32
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	31	31	31	29
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	28	28	28	26
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	25	25	25	23

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

	0°	45°	90°
0°	14467	14467	14467
5°	14312	14257	14347
10°	14199	14041	14248
15°	14048	13879	14214
20°	13896	13778	14151
25°	13665	13675	14092
30°	13415	13514	13895
35°	13127	13257	13822
40°	12770	12993	13703
45°	12300	12686	13708
50°	11688	12338	13709
55°	10767	11995	13326
60°	9594	11493	12469
65°	8102	10561	8027
70°	6387	8244	5946
75°	4637	4894	6232
80°	3056	4069	6283
85°	1550	3729	6607



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	862.5	3.2
10°-20°	2473.4	9.1
20°-30°	3777.6	13.9
30°-40°	4583.5	16.9
40°-50°	4804.0	17.7
50°-60°	4353.1	16.0
60°-70°	2918.6	10.7
70°-80°	1310.6	4.8
80°-90°	478.9	1.8
90°-100°	269.8	1.0
100°-110°	506.3	1.9
110°-120°	410.8	1.5
120°-130°	199.6	0.7
130°-140°	103.3	0.4
140°-150°	61.1	0.2
150°-160°	37.0	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	7113.5	26.2
0°-40°	11697.1	43.0
0°-60°	20854.2	76.7
0°-90°	25562.3	94.1
90°-120°	1186.9	4.4
90°-150°	1550.9	5.7
90°-180°	1614.0	5.9
0°-180°	27176.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9148	9148	9148	9148	9148	
5°	9088	9120	9056	9084	9072	864
15°	8793	8759	8697	8773	8784	2483
25°	8169	8133	8190	8266	8242	3765
35°	7240	7258	7332	7410	7381	4525
45°	6009	6107	6221	6379	6399	4629
55°	4422	4635	4951	5149	5137	3947
65°	2595	3001	3407	2876	2348	2586
75°	1021	1481	1090	1115	1188	1116
85°	176	337	432	522	548	215
90°	4	132	249	313	331	12
95°	26	133	246	310	335	89
105°	556	573	538	418	395	527
115°	390	395	421	430	424	393
125°	193	204	223	225	226	183
135°	121	125	129	138	140	96
145°	91	94	96	99	100	58
155°	77	79	81	81	80	36
165°	69	69	70	70	70	20
175°	64	64	63	62	62	6
180°	63	63	63	63	63	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9147.7	9147.7	9147.7	9147.7	9147.7
2.5°	9110.6	9149.1	9101.4	9153.0	9166.2
5°	9088.2	9120.0	9056.5	9084.2	9072.3
7.5°	9047.2	9057.8	8982.4	9004.8	8981.0
10°	8986.3	8981.0	8892.4	8936.1	8941.4
12.5°	8896.4	8880.5	8801.1	8867.3	8868.6
15°	8793.2	8758.9	8696.7	8773.4	8784.0
17.5°	8674.2	8629.2	8588.2	8687.4	8671.6
20°	8535.3	8482.4	8474.5	8582.9	8543.2
22.5°	8363.4	8322.3	8340.8	8444.0	8418.9
25°	8169.0	8133.2	8190.1	8265.5	8241.6
27.5°	7963.9	7942.7	8007.6	8065.7	8019.5
30°	7739.0	7727.2	7813.1	7860.7	7802.6
32.5°	7494.4	7498.3	7580.3	7645.1	7590.9
35°	7240.4	7257.6	7331.7	7409.7	7380.6
37.5°	6961.3	6999.6	7073.7	7162.4	7132.0
40°	6666.4	6721.9	6803.9	6911.0	6883.3
42.5°	6347.6	6417.7	6523.5	6642.6	6639.9
45°	6009.0	6106.9	6220.6	6379.3	6399.2
47.5°	5657.1	5766.9	5911.1	6122.7	6153.1
50°	5274.9	5412.5	5592.4	5846.3	5864.8
52.5°	4849.0	5036.8	5274.9	5518.3	5495.8
55°	4421.7	4634.7	4950.8	5149.2	5137.3
57.5°	3995.9	4235.2	4618.8	4760.4	4759.0
60°	3519.7	3822.6	4241.8	4349.0	4243.1
62.5°	3079.2	3404.6	3839.7	3761.7	3399.3
65°	2595.1	3001.1	3407.3	2875.5	2347.8
67.5°	2165.3	2588.5	2894.0	1969.5	1686.5
70°	1732.7	2199.6	2256.5	1461.5	1441.7
72.5°	1349.1	1846.4	1556.8	1251.3	1314.8
75°	1021.1	1481.4	1089.9	1115.1	1187.7
77.5°	744.7	1137.5	847.9	977.4	1037.0
80°	511.8	805.5	691.7	821.4	862.4
82.5°	321.4	531.8	554.2	661.4	703.6
85°	175.9	337.3	432.5	522.4	547.6
87.5°	72.8	203.7	330.6	403.4	424.5
90°	3.9	131.5	248.7	313.4	331.0
92.5°	10.0	110.3	222.5	281.8	299.8
95°	25.6	132.7	246.5	310.0	335.3
97.5°	146.9	218.1	305.7	359.1	380.0
100°	297.0	362.7	367.1	402.6	412.7
102.5°	476.5	492.6	426.4	411.0	409.8
105°	555.7	573.0	537.9	418.2	395.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	451.8	467.2	485.8	482.0	469.1
115°	389.7	395.0	420.9	429.8	424.5
117.5°	335.8	336.6	360.0	366.2	367.1
120°	281.9	286.7	304.7	309.6	310.0
122.5°	234.9	241.9	260.7	264.7	265.2
125°	192.7	204.5	222.9	225.1	225.6
127.5°	167.1	173.2	190.7	194.7	194.2
130°	146.2	151.9	163.7	169.9	169.9
132.5°	132.8	137.5	145.9	152.1	152.9
135°	120.6	125.4	129.3	137.6	139.9
137.5°	113.2	114.9	118.4	125.9	128.1
140°	104.5	107.1	108.4	114.6	116.8
142.5°	97.1	100.2	100.6	106.3	107.6
145°	91.0	94.1	95.8	98.9	100.2
147.5°	88.0	89.7	91.5	91.5	93.6
150°	83.6	85.4	86.2	87.1	87.1
152.5°	80.2	81.0	82.8	82.8	83.6
155°	76.7	78.9	80.6	80.6	80.2
157.5°	74.1	76.3	77.1	78.0	78.0
160°	71.5	73.6	74.5	74.5	75.4
162.5°	71.0	71.9	71.9	72.8	72.8
165°	69.3	69.3	70.2	70.2	70.2
167.5°	67.6	68.9	68.4	68.4	69.3
170°	65.8	66.7	66.7	65.4	66.3
172.5°	64.9	64.9	65.8	64.5	64.5
175°	64.1	64.1	62.8	62.3	62.3
177.5°	64.6	64.1	62.8	61.5	60.2
180°	62.8	62.8	62.8	62.8	62.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	557.0	576.4	575.1	471.1	410.2
110°	515.7	533.2	543.8	511.3	460.0



(END OF REPORT)