

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: P826587

Luminaire Tested: **OHBL-36HE-A-UNV-L830-CD-UPL18**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P826587  
REPORT IS A COMBINATION OF REPORTS P826167 AND G3-2310-221-8  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36HE-A-UNV-L830-CD-UPL18  
Description:  
Light Source: -  
Ballast/Driver: -

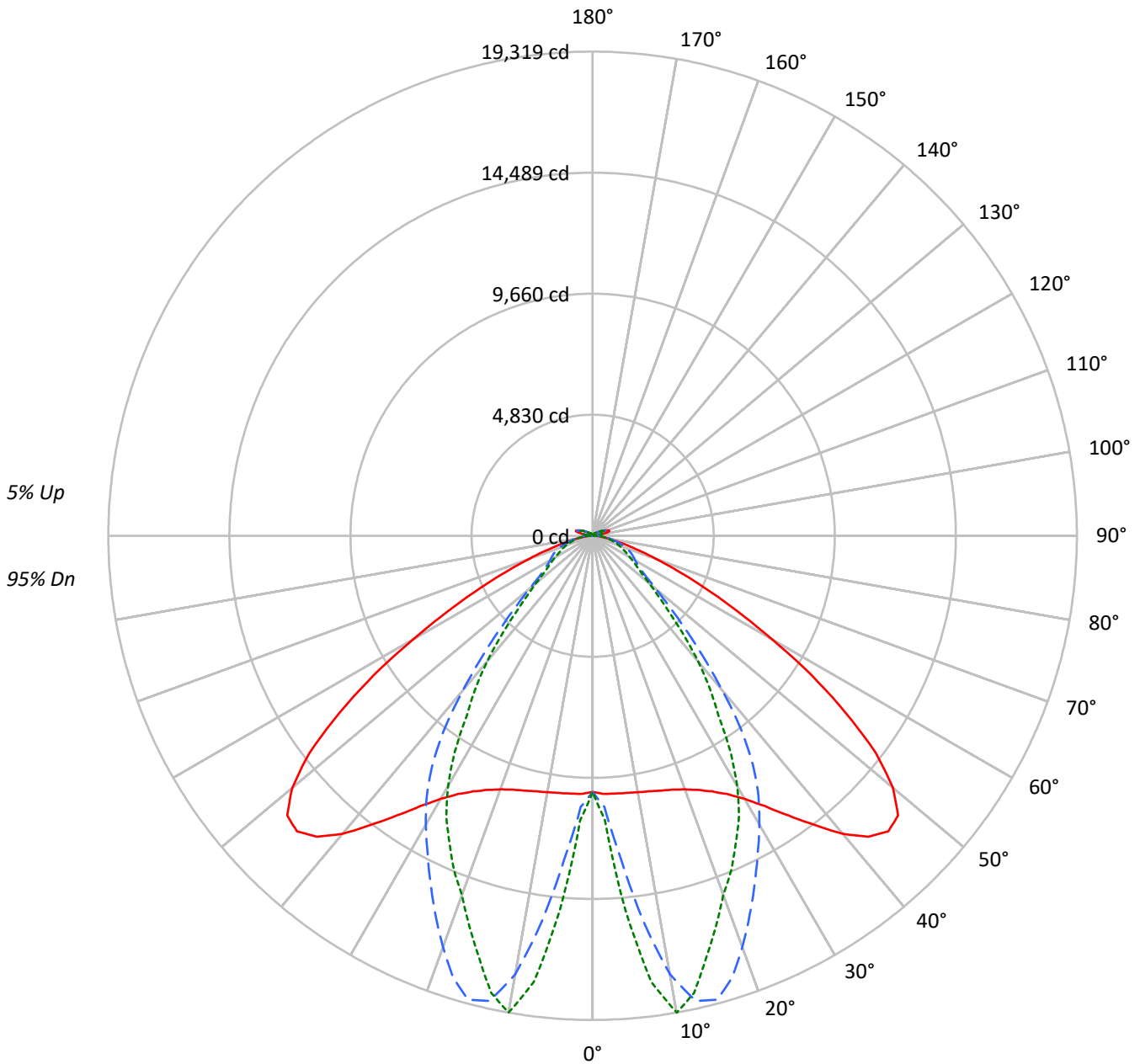
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34472.3 lumens  
Efficiency: N/A  
Efficacy: 153.7 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 224.3  
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	0	
RCR																						
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95				
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83				
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73				
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64				
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56				
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50				
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45				
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40				
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37				
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33				
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31				

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

	0°	45°	90°
0°	16168	16168	16168
5°	16261	20344	23701
10°	16416	28061	30785
15°	16819	30582	28255
20°	17526	28390	25252
25°	18817	25544	23098
30°	20998	23013	20539
35°	24705	20154	16367
40°	29732	15358	13025
45°	34140	10471	9271
50°	34651	7188	6857
55°	30035	5662	5602
60°	22474	5305	5040
65°	15438	5329	4774
70°	9900	5151	4623
75°	5979	4781	4424
80°	3541	4221	4564
85°	1728	3658	4231



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1334.7	3.9
10°-20°	4710.7	13.7
20°-30°	6941.5	20.1
30°-40°	7294.5	21.2
40°-50°	5581.6	16.2
50°-60°	3370.4	9.8
60°-70°	2056.7	6.0
70°-80°	1122.6	3.3
80°-90°	398.2	1.2
90°-100°	159.3	0.5
100°-110°	553.3	1.6
110°-120°	475.4	1.4
120°-130°	228.3	0.7
130°-140°	114.0	0.3
140°-150°	66.2	0.2
150°-160°	38.6	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	12986.9	37.7
0°-40°	20281.4	58.8
0°-60°	29233.4	84.8
0°-90°	32810.9	95.2
90°-120°	1188.1	3.4
90°-150°	1596.6	4.6
90°-180°	1661.0	4.8
0°-180°	34472.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10224	10224	10224	10224	10224	
5°	10326	11078	12924	14430	14987	987
15°	10527	16397	19163	17882	17461	2993
25°	11249	19030	15299	13851	13509	5257
35°	13626	15239	11145	9282	8739	8644
45°	16678	8696	5134	4518	4328	12601
55°	12334	2949	2337	2166	2160	10899
65°	4945	1867	1719	1471	1396	5067
75°	1317	1161	1065	878	843	1515
85°	196	360	424	387	351	242
90°	4	23	32	42	46	13
95°	35	76	120	155	178	111
105°	690	683	582	410	379	654
115°	477	483	482	476	476	482
125°	233	244	250	249	248	219
135°	138	140	145	147	148	109
145°	100	102	105	106	106	64
155°	80	82	83	84	84	38
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10223.5	10223.5	10223.5	10223.5	10223.5
2.5°	10307.2	10412.5	10827.1	11257.7	11362.5
5°	10326.1	11078.4	12923.6	14430.3	14987.2
7.5°	10348.0	12157.2	15521.1	17365.8	17956.4
10°	10389.7	13521.5	17771.8	19096.2	19319.4
12.5°	10441.4	14967.0	19010.3	18962.1	18680.6
15°	10527.3	16396.6	19162.8	17881.8	17461.4
17.5°	10617.5	17606.1	18497.4	16706.1	16340.0
20°	10764.5	18503.9	17462.3	15661.0	15244.9
22.5°	10976.2	18997.6	16376.8	14715.7	14444.4
25°	11249.3	19029.6	15298.8	13850.8	13508.9
27.5°	11615.4	18588.1	14265.5	13003.4	12642.2
30°	12113.4	17742.9	13305.5	11981.5	11533.4
32.5°	12789.8	16526.3	12315.5	10747.8	10245.4
35°	13626.3	15239.2	11145.4	9281.8	8739.0
37.5°	14539.1	13810.0	9725.4	7983.7	7667.6
40°	15521.1	12337.4	8042.4	6768.9	6542.6
42.5°	16287.4	10736.4	6479.1	5625.1	5384.4
45°	16678.1	8695.7	5134.1	4517.7	4327.9
47.5°	16525.9	6750.1	4070.1	3589.6	3532.6
50°	15638.2	4984.1	3258.2	2957.0	2933.3
52.5°	14250.2	3715.0	2691.4	2505.1	2464.2
55°	12334.0	2948.7	2337.1	2166.1	2159.5
57.5°	10355.4	2505.1	2121.4	1989.1	1943.0
60°	8245.0	2233.6	1957.9	1808.4	1715.0
62.5°	6462.9	2043.8	1837.8	1634.8	1547.5
65°	4944.7	1866.7	1719.4	1471.3	1396.3
67.5°	3686.0	1697.9	1574.7	1299.4	1255.6
70°	2685.7	1524.7	1409.9	1155.7	1120.9
72.5°	1914.1	1352.0	1245.1	1020.6	982.5
75°	1316.6	1160.9	1064.8	878.5	843.1
77.5°	888.2	965.8	887.3	750.1	735.2
80°	593.1	765.8	717.6	635.7	626.4
82.5°	359.9	555.9	566.4	516.8	491.9
85°	196.0	359.9	424.3	386.6	350.7
87.5°	76.7	199.5	292.4	262.6	247.2
90°	3.7	23.3	31.6	41.9	46.5
92.5°	12.1	30.7	51.2	70.7	78.2
95°	35.4	76.3	120.0	155.4	177.7
97.5°	181.5	198.2	221.5	262.4	277.3
100°	374.1	392.7	329.4	345.2	350.8
102.5°	585.3	584.4	422.5	381.5	375.9
105°	689.5	683.0	582.5	410.4	378.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	560.2	563.9	552.8	537.9	514.6
115°	477.4	483.0	482.0	476.4	475.5
117.5°	406.7	409.4	411.3	409.4	410.4
120°	339.7	346.2	349.9	347.1	345.2
122.5°	283.8	292.2	296.8	294.1	292.2
125°	232.6	243.8	250.3	249.4	247.5
127.5°	197.3	205.7	214.0	213.1	211.2
130°	171.2	177.7	183.3	184.2	185.2
132.5°	153.5	156.3	161.9	162.8	164.7
135°	137.7	140.5	145.2	147.0	148.0
137.5°	125.6	128.4	132.1	134.0	134.9
140°	115.4	118.2	121.0	122.8	123.8
142.5°	107.0	109.8	112.6	113.5	114.5
145°	100.5	102.4	105.2	106.1	106.1
147.5°	94.0	95.8	97.7	99.6	99.6
150°	88.4	90.3	92.1	93.1	94.0
152.5°	84.7	85.6	87.5	88.4	88.4
155°	80.0	81.9	82.8	83.8	83.8
157.5°	77.2	78.2	79.1	80.0	80.0
160°	74.4	74.4	75.4	76.3	76.3
162.5°	71.7	71.7	72.6	73.5	73.5
165°	68.9	69.8	69.8	70.7	70.7
167.5°	67.0	67.0	67.9	67.9	68.9
170°	65.1	65.1	66.1	66.1	66.1
172.5°	63.3	64.2	64.2	64.2	64.2
175°	62.3	62.3	63.3	63.3	63.3
177.5°	61.4	62.3	62.3	62.3	62.3
180°	62.3	62.3	62.3	62.3	62.3



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	696.1	696.1	642.1	498.8	417.8
110°	637.4	644.9	617.0	561.1	496.9



(END OF REPORT)