

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: P827787

Luminaire Tested: **OHBL-36HE-A-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827787  
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-L930-CD-UPL18  
Description:  
Light Source: -  
Ballast/Driver: -

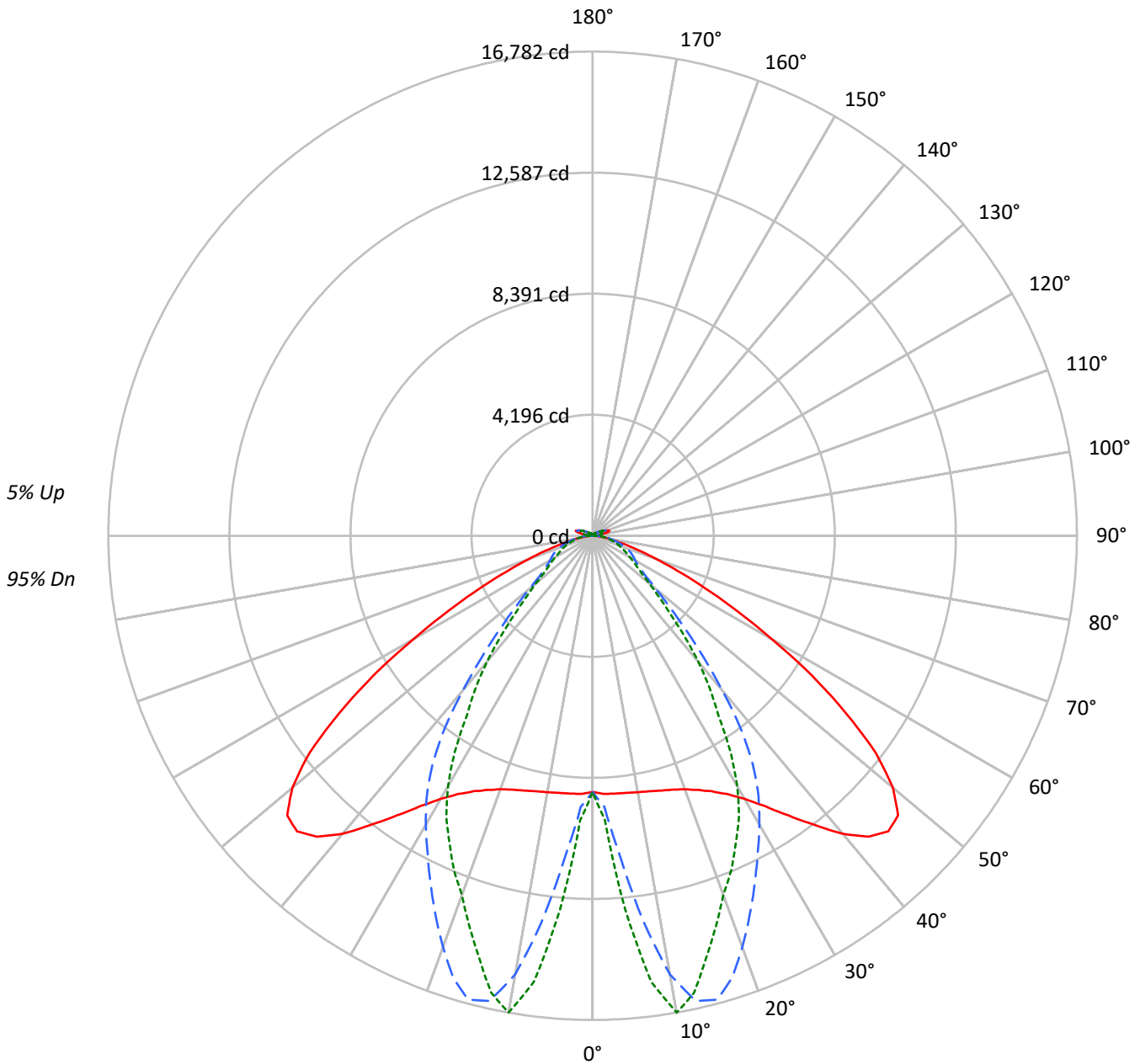
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29944.6 lumens  
Efficiency: N/A  
Efficacy: 133.5 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									
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	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°	14045	14045	14045
5°	14125	17672	20588
10°	14260	24375	26742
15°	14610	26566	24544
20°	15224	24661	21935
25°	16346	22189	20064
30°	18240	19991	17841
35°	21460	17507	14217
40°	25827	13341	11314
45°	29655	9095	8053
50°	30100	6244	5956
55°	26090	4918	4866
60°	19522	4608	4378
65°	13410	4630	4147
70°	8599	4475	4016
75°	5193	4154	3843
80°	3076	3667	3965
85°	1500	3178	3676



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1159.4	3.9
10°-20°	4092.0	13.7
20°-30°	6029.8	20.1
30°-40°	6336.4	21.2
40°-50°	4848.5	16.2
50°-60°	2927.7	9.8
60°-70°	1786.6	6.0
70°-80°	975.2	3.3
80°-90°	345.9	1.2
90°-100°	138.4	0.5
100°-110°	480.7	1.6
110°-120°	413.0	1.4
120°-130°	198.3	0.7
130°-140°	99.1	0.3
140°-150°	57.5	0.2
150°-160°	33.6	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	11281.2	37.7
0°-40°	17617.6	58.8
0°-60°	25393.8	84.8
0°-90°	28501.4	95.2
90°-120°	1032.0	3.4
90°-150°	1386.9	4.6
90°-180°	1443.0	4.8
0°-180°	29944.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8881	8881	8881	8881	8881	
5°	8970	9623	11226	12535	13019	858
15°	9145	14243	16646	15533	15168	2600
25°	9772	16530	13289	12032	11735	4567
35°	11837	13238	9682	8063	7591	7509
45°	14488	7554	4460	3924	3760	10946
55°	10714	2561	2030	1882	1876	9467
65°	4295	1622	1494	1278	1213	4401
75°	1144	1008	925	763	732	1316
85°	170	313	369	336	305	210
90°	3	20	28	36	40	11
95°	31	66	104	135	154	97
105°	599	593	506	356	329	568
115°	415	420	419	414	413	418
125°	202	212	217	217	215	190
135°	120	122	126	128	128	95
145°	87	89	91	92	92	55
155°	70	71	72	73	73	33
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8880.7	8880.7	8880.7	8880.7	8880.7
2.5°	8953.4	9044.8	9405.0	9779.1	9870.1
5°	8969.8	9623.3	11226.1	12535.0	13018.7
7.5°	8988.8	10560.5	13482.5	15085.0	15597.9
10°	9025.0	11745.6	15437.6	16588.1	16781.9
12.5°	9070.0	13001.2	16513.4	16471.6	16227.0
15°	9144.6	14243.0	16645.9	15533.2	15168.0
17.5°	9223.0	15293.7	16067.9	14511.8	14193.8
20°	9350.6	16073.5	15168.8	13604.0	13242.6
22.5°	9534.5	16502.4	14225.9	12782.9	12547.2
25°	9771.8	16530.2	13289.4	12031.6	11734.6
27.5°	10089.8	16146.7	12391.8	11295.5	10981.7
30°	10522.4	15412.5	11557.9	10407.8	10018.6
32.5°	11110.0	14355.7	10698.0	9336.2	8899.8
35°	11836.6	13237.6	9681.6	8062.7	7591.2
37.5°	12629.5	11996.2	8448.1	6935.1	6660.5
40°	13482.5	10717.0	6986.1	5879.8	5683.3
42.5°	14148.2	9326.2	5628.1	4886.3	4677.2
45°	14487.5	7553.6	4459.7	3924.3	3759.5
47.5°	14355.4	5863.5	3535.5	3118.1	3068.6
50°	13584.2	4329.5	2830.2	2568.6	2548.0
52.5°	12378.5	3227.0	2337.9	2176.0	2140.5
55°	10714.0	2561.4	2030.1	1881.6	1875.9
57.5°	8995.3	2176.0	1842.8	1727.8	1687.8
60°	7162.1	1940.2	1700.7	1570.9	1489.8
62.5°	5614.0	1775.3	1596.4	1420.1	1344.3
65°	4295.2	1621.5	1493.6	1278.1	1212.9
67.5°	3201.9	1474.9	1367.9	1128.8	1090.7
70°	2332.9	1324.5	1224.7	1003.9	973.7
72.5°	1662.7	1174.4	1081.6	886.6	853.4
75°	1143.6	1008.4	925.0	763.1	732.4
77.5°	771.6	839.0	770.7	651.6	638.7
80°	515.2	665.3	623.4	552.2	544.2
82.5°	312.7	482.9	492.0	448.9	427.3
85°	170.2	312.7	368.6	335.9	304.7
87.5°	66.6	173.3	254.0	228.1	214.8
90°	3.2	20.2	27.5	36.4	40.4
92.5°	10.5	26.7	44.5	61.4	67.9
95°	30.7	66.3	104.3	135.0	154.4
97.5°	157.6	172.2	192.4	228.0	240.9
100°	325.0	341.1	286.2	299.9	304.7
102.5°	508.4	507.6	367.0	331.4	326.6
105°	599.0	593.3	506.0	356.5	329.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	486.6	489.8	480.2	467.2	447.0
115°	414.7	419.5	418.7	413.9	413.1
117.5°	353.2	355.7	357.3	355.7	356.5
120°	295.0	300.7	303.9	301.5	299.9
122.5°	246.5	253.8	257.9	255.4	253.8
125°	202.1	211.8	217.4	216.6	215.0
127.5°	171.4	178.6	185.9	185.1	183.5
130°	148.7	154.4	159.2	160.0	160.9
132.5°	133.4	135.8	140.6	141.5	143.1
135°	119.6	122.1	126.1	127.7	128.5
137.5°	109.1	111.6	114.8	116.4	117.2
140°	100.2	102.7	105.1	106.7	107.5
142.5°	93.0	95.4	97.8	98.6	99.4
145°	87.3	88.9	91.3	92.2	92.2
147.5°	81.6	83.3	84.9	86.5	86.5
150°	76.8	78.4	80.0	80.8	81.6
152.5°	73.6	74.4	76.0	76.8	76.8
155°	69.5	71.1	71.9	72.8	72.8
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	604.6	604.6	557.8	433.3	362.9
110°	553.7	560.2	535.9	487.4	431.6



(END OF REPORT)