

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: P827799

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827799  
REPORT IS A COMBINATION OF REPORTS P826173 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-36SE-A-UNV-L930-CD-UPL18  
Description:  
Light Source: -  
Ballast/Driver: -

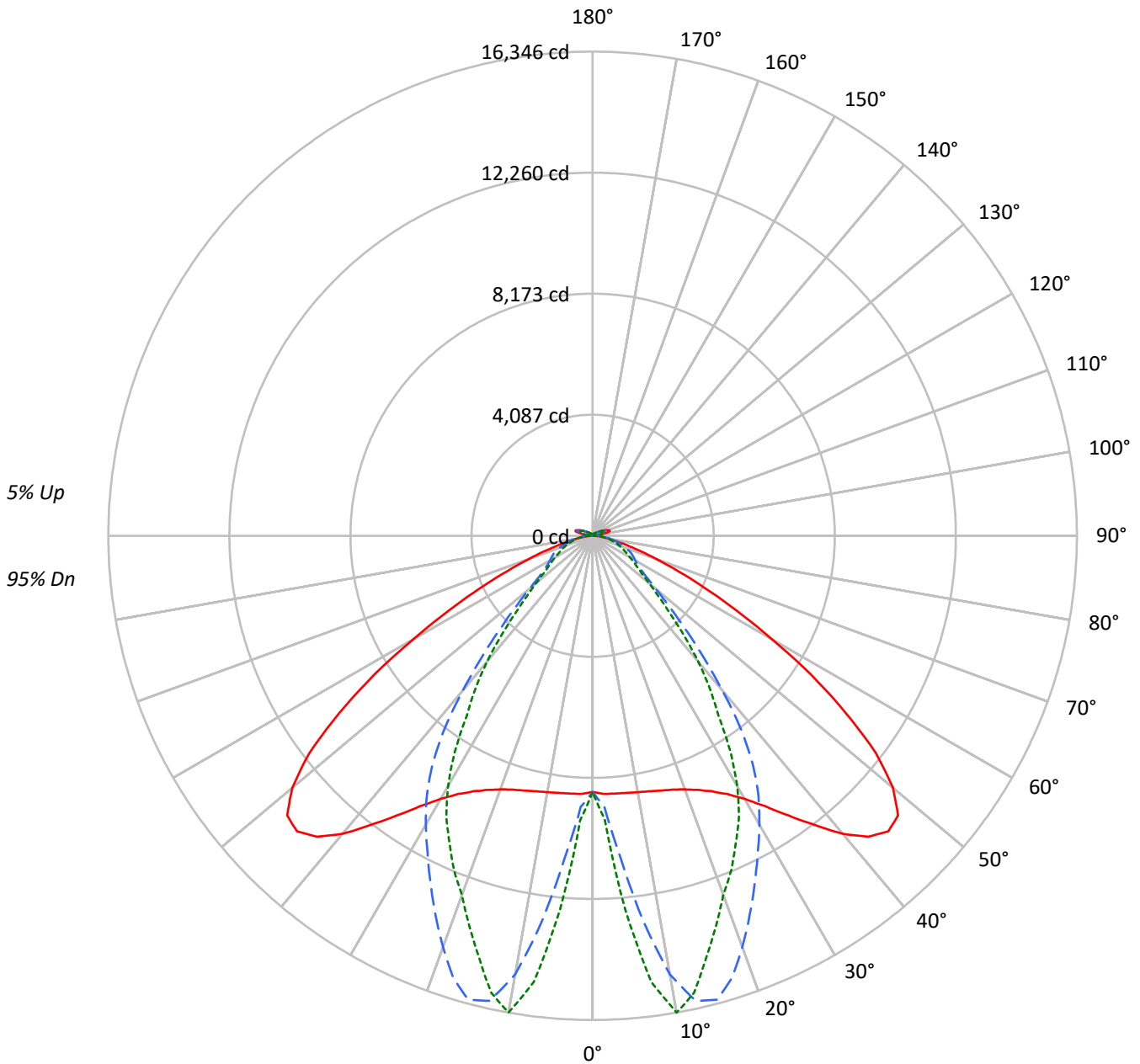
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29204.2 lumens  
Efficiency: N/A  
Efficacy: 130.8 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): 223.3  
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	99	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	67	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	80	69	61	55	78	68	60	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	47	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	45	40	35	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°	13680	13680	13680
5°	13758	17213	20053
10°	13890	23742	26047
15°	14230	25876	23906
20°	14828	24020	21365
25°	15921	21613	19543
30°	17766	19471	17378
35°	20903	17052	13848
40°	25156	12994	11021
45°	28885	8859	7844
50°	29317	6082	5801
55°	25412	4791	4740
60°	19015	4488	4264
65°	13062	4509	4039
70°	8376	4358	3912
75°	5058	4046	3743
80°	2997	3572	3861
85°	1461	3096	3580



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1129.3	3.9
10°-20°	3985.7	13.6
20°-30°	5873.2	20.1
30°-40°	6171.8	21.1
40°-50°	4722.5	16.2
50°-60°	2851.6	9.8
60°-70°	1740.2	6.0
70°-80°	949.8	3.3
80°-90°	337.0	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°	10988.1	37.6
0°-40°	17159.9	58.8
0°-60°	24734.0	84.7
0°-90°	27761.0	95.1
90°-120°	1032.0	3.5
90°-150°	1386.9	4.7
90°-180°	1443.0	4.9
0°-180°	29204.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8650	8650	8650	8650	8650	
5°	8737	9373	10934	12209	12680	835
15°	8907	13873	16214	15130	14774	2533
25°	9518	16101	12944	11719	11430	4448
35°	11529	12894	9430	7853	7394	7314
45°	14111	7357	4344	3822	3662	10662
55°	10436	2495	1977	1833	1827	9221
65°	4184	1579	1455	1245	1181	4287
75°	1114	982	901	743	713	1282
85°	166	304	359	327	297	205
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°	8650.0	8650.0	8650.0	8650.0	8650.0
2.5°	8720.8	8809.8	9160.7	9525.0	9613.6
5°	8736.7	9373.3	10934.5	12209.3	12680.4
7.5°	8755.3	10286.1	13132.2	14693.1	15192.7
10°	8790.5	11440.4	15036.5	16157.0	16345.9
12.5°	8834.3	12663.4	16084.4	16043.6	15805.4
15°	8907.0	13872.9	16213.5	15129.7	14773.9
17.5°	8983.4	14896.3	15650.4	14134.8	13825.1
20°	9107.7	15656.0	14774.6	13250.5	12898.5
22.5°	9286.9	16073.6	13856.2	12450.8	12221.2
25°	9517.9	16100.7	12944.2	11719.0	11429.7
27.5°	9827.6	15727.2	12069.9	11002.0	10696.4
30°	10249.0	15012.0	11257.6	10137.4	9758.3
32.5°	10821.3	13982.7	10420.0	9093.6	8668.5
35°	11529.1	12893.7	9430.0	7853.2	7394.0
37.5°	12301.3	11684.5	8228.6	6754.9	6487.4
40°	13132.2	10438.6	6804.6	5727.0	5535.7
42.5°	13780.5	9083.9	5481.9	4759.3	4555.7
45°	14111.1	7357.3	4343.9	3822.4	3661.8
47.5°	13982.4	5711.1	3443.7	3037.2	2988.9
50°	13231.2	4217.1	2756.7	2501.9	2481.8
52.5°	12056.9	3143.2	2277.1	2119.4	2084.9
55°	10435.6	2494.8	1977.4	1832.7	1827.2
57.5°	8761.6	2119.4	1794.9	1682.9	1643.9
60°	6976.0	1889.9	1656.5	1530.1	1451.0
62.5°	5468.1	1729.3	1554.9	1383.1	1309.3
65°	4183.7	1579.4	1454.8	1244.8	1181.4
67.5°	3118.7	1436.6	1332.4	1099.4	1062.3
70°	2272.3	1290.1	1192.9	977.8	948.4
72.5°	1619.4	1144.0	1053.4	863.5	831.2
75°	1113.9	982.2	901.0	743.3	713.3
77.5°	751.5	817.1	750.8	634.6	622.0
80°	501.9	648.0	607.2	537.9	530.0
82.5°	304.5	470.4	479.3	437.3	416.2
85°	165.8	304.5	359.1	327.1	296.7
87.5°	64.9	168.8	247.4	222.2	209.2
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)