

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: P827680

Luminaire Tested: **OHBL-15SE-A-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827680  
REPORT IS A COMBINATION OF REPORTS P826221 AND G3-2310-221-6  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-A-UNV-L930-CD-UPL24  
Description:  
Light Source: -  
Ballast/Driver: -

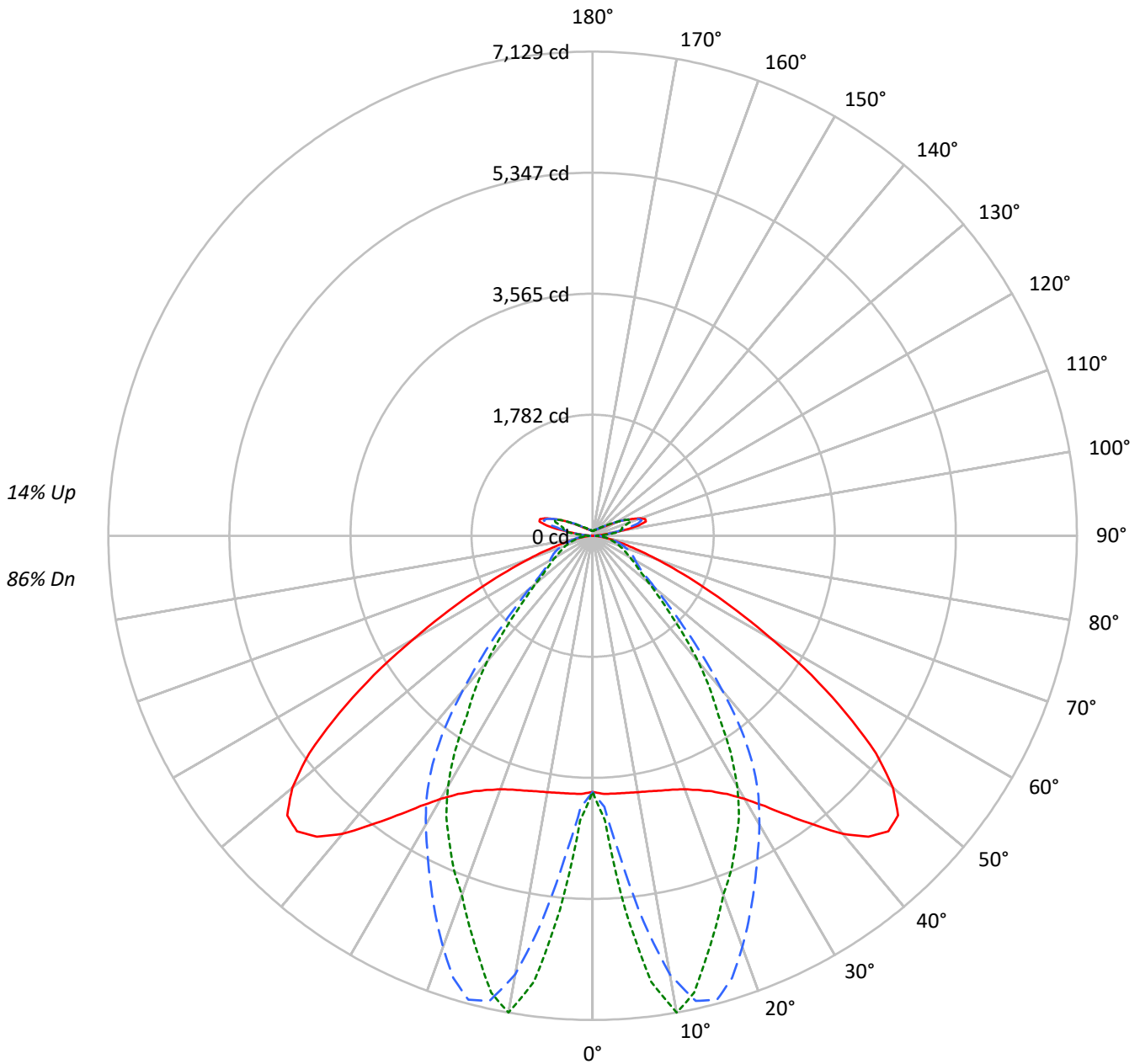
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14062.0 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 104.4  
Input Voltage (V): NR  
Input Current (Ain): 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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86			
1	107	103	100	96	103	100	97	94	93	90	88	87	85	83	81	80	78	75			
2	99	92	86	82	95	89	84	80	83	79	76	78	75	72	73	71	68	66			
3	92	83	76	70	88	80	74	69	75	70	66	71	66	63	67	63	60	58			
4	85	74	67	61	81	72	65	60	68	62	58	64	59	55	61	57	53	51			
5	79	67	59	54	76	65	58	53	62	56	51	59	53	49	55	51	48	45			
6	73	61	53	48	70	60	52	47	57	50	46	54	48	44	51	46	43	41			
7	68	56	48	43	66	55	47	42	52	46	41	49	44	40	47	42	39	37			
8	64	51	44	39	61	50	43	38	48	42	37	46	40	36	43	39	35	33			
9	60	47	40	35	58	46	39	35	44	38	34	42	37	33	40	36	32	30			
10	56	44	37	32	54	43	36	32	41	35	31	39	34	30	38	33	29	28			

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

	0°	45°	90°
0°	12273	12273	12273
5°	12239	15351	17991
10°	12253	21048	23368
15°	12448	22803	21448
20°	12860	21038	19168
25°	13685	18809	17533
30°	15127	16832	15591
35°	17619	14634	12424
40°	20971	11063	9887
45°	23784	7476	7037
50°	23802	5080	5205
55°	20293	3955	4252
60°	14884	3652	3825
65°	9972	3603	3623
70°	6188	3399	3509
75°	3569	3050	3357
80°	1971	2556	3465
85°	849	2018	3212



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	492.5	3.5
10°-20°	1738.2	12.4
20°-30°	2561.4	18.2
30°-40°	2691.6	19.1
40°-50°	2059.6	14.6
50°-60°	1243.7	8.8
60°-70°	758.9	5.4
70°-80°	414.2	2.9
80°-90°	150.4	1.1
90°-100°	187.4	1.3
100°-110°	650.6	4.6
110°-120°	558.1	4.0
120°-130°	267.8	1.9
130°-140°	134.0	1.0
140°-150°	77.7	0.6
150°-160°	45.3	0.3
160°-170°	23.5	0.2
170°-180°	7.1	0.1
0°-30°	4792.1	34.1
0°-40°	7483.8	53.2
0°-60°	10787.0	76.7
0°-90°	12110.6	86.1
90°-120°	1396.2	9.9
90°-150°	1875.5	13.3
90°-180°	1951.0	13.9
0°-180°	14062.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3772	3772	3772	3772	3772	
5°	3810	4088	4769	5325	5530	364
15°	3884	6050	7071	6598	6443	1104
25°	4151	7022	5645	5111	4985	1940
35°	5028	5623	4113	3425	3225	3190
45°	6154	3209	1894	1667	1597	4650
55°	4551	1088	862	799	797	4022
65°	1825	689	634	543	515	1870
75°	486	428	393	324	311	559
85°	72	133	157	143	129	89
90°	4	28	38	50	56	7
95°	43	90	139	184	209	133
105°	811	802	682	486	446	769
115°	559	565	565	563	559	564
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3772.4	3772.4	3772.4	3772.4	3772.4
2.5°	3803.4	3842.2	3995.2	4154.0	4192.7
5°	3810.3	4087.9	4768.8	5324.7	5530.2
7.5°	3818.4	4486.0	5727.2	6408.0	6625.8
10°	3833.8	4989.4	6557.8	7046.5	7128.8
12.5°	3852.8	5522.8	7014.7	6996.9	6893.1
15°	3884.5	6050.3	7071.1	6598.3	6443.2
17.5°	3917.8	6496.6	6825.5	6164.5	6029.4
20°	3972.1	6827.9	6443.5	5778.9	5625.4
22.5°	4050.2	7010.0	6043.0	5430.1	5329.9
25°	4151.0	7021.9	5645.2	5110.9	4984.7
27.5°	4286.0	6859.0	5263.9	4798.2	4664.9
30°	4469.8	6547.1	4909.7	4421.1	4255.8
32.5°	4719.5	6098.1	4544.4	3965.9	3780.5
35°	5028.1	5623.3	4112.6	3425.0	3224.7
37.5°	5364.9	5095.9	3588.7	2946.0	2829.3
40°	5727.2	4552.5	2967.6	2497.7	2414.2
42.5°	6010.0	3961.7	2390.8	2075.6	1986.8
45°	6154.2	3208.7	1894.5	1667.0	1596.9
47.5°	6098.0	2490.7	1501.9	1324.5	1303.5
50°	5770.4	1839.1	1202.2	1091.1	1082.4
52.5°	5258.3	1370.9	993.1	924.3	909.3
55°	4551.2	1088.0	862.4	799.3	796.9
57.5°	3821.2	924.3	782.8	734.0	717.0
60°	3042.4	824.2	722.5	667.3	632.8
62.5°	2384.8	754.2	678.1	603.3	571.0
65°	1824.6	688.8	634.5	542.9	515.2
67.5°	1360.2	626.5	581.1	479.5	463.3
70°	991.0	562.6	520.2	426.4	413.6
72.5°	706.2	498.9	459.5	376.6	362.5
75°	485.8	428.3	392.9	324.2	311.0
77.5°	327.8	356.4	327.5	276.8	271.3
80°	218.9	282.6	264.8	234.6	231.2
82.5°	132.8	205.2	209.0	190.7	181.5
85°	72.3	132.8	156.6	142.7	129.4
87.5°	28.3	73.6	107.9	96.9	91.3
90°	4.0	27.5	38.0	50.1	55.8
92.5°	13.7	36.4	58.2	82.4	93.0
95°	42.8	89.7	139.0	184.3	208.6
97.5°	217.4	235.2	253.0	306.4	333.0
100°	446.2	473.7	382.3	404.2	411.4
102.5°	689.5	685.5	499.6	447.8	441.4
105°	810.8	801.9	682.2	485.8	446.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	653.1	662.8	649.9	631.3	605.4
115°	559.4	565.0	565.0	563.4	558.6
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	814.0	817.2	754.2	589.3	490.7
110°	750.9	758.2	721.8	659.6	580.4



(END OF REPORT)