

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: P827679

Luminaire Tested: **OHBL-15SE-A-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827679  
REPORT IS A COMBINATION OF REPORTS P826113 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-15SE-A-UNV-L930-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

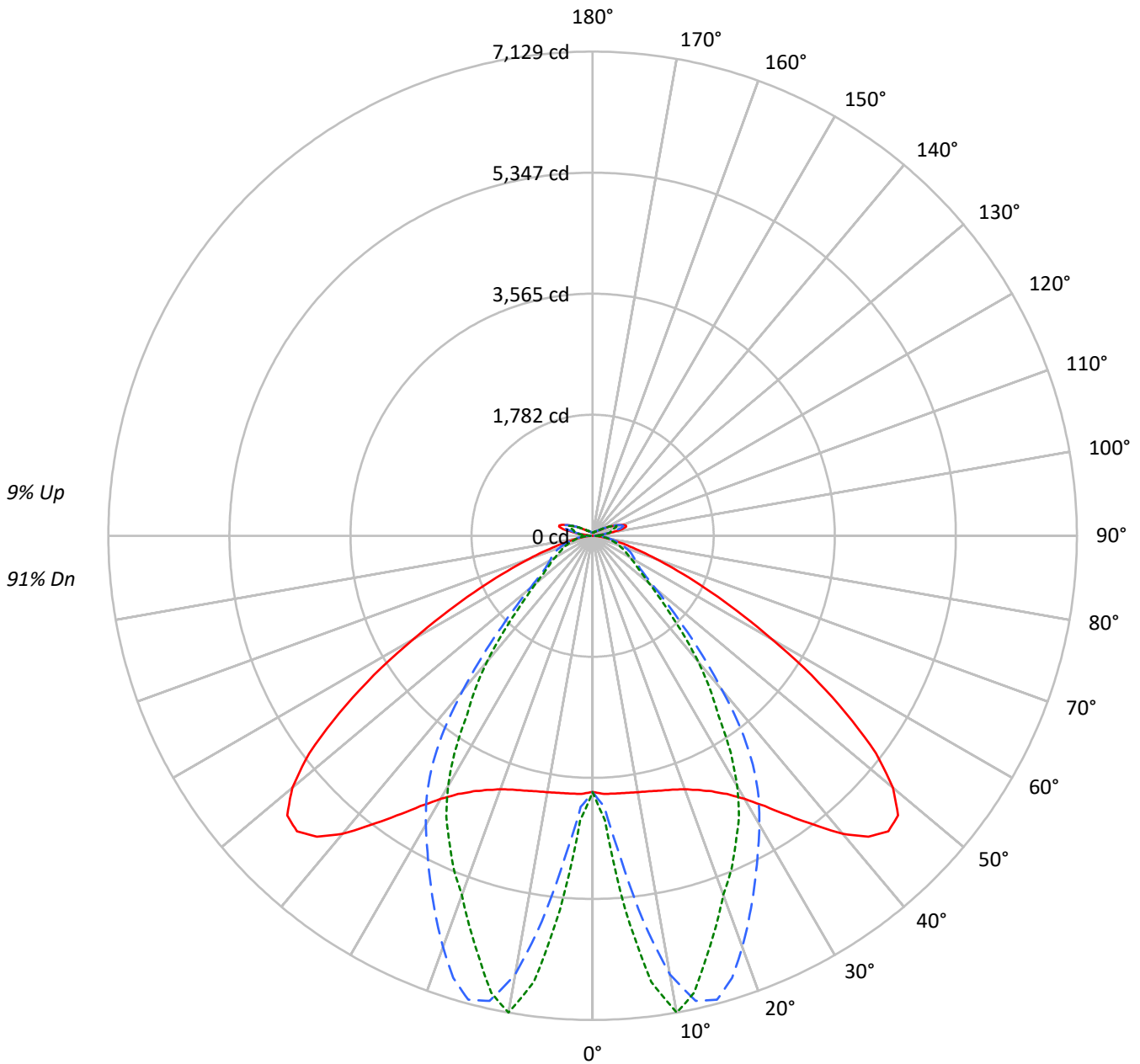
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13333.6 lumens  
Efficiency: N/A  
Efficacy: 137.0 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: Direct  
  
Input Watts (W): 97.3  
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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	91	90	88	86	85	84	82	80																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	90	81	75	70	77	72	68	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	40	34	31	29																			

**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	3.7
10°-20°	1738.2	13.0
20°-30°	2561.4	19.2
30°-40°	2691.6	20.2
40°-50°	2059.6	15.4
50°-60°	1243.7	9.3
60°-70°	758.9	5.7
70°-80°	414.2	3.1
80°-90°	148.5	1.1
90°-100°	117.7	0.9
100°-110°	407.9	3.1
110°-120°	350.5	2.6
120°-130°	168.2	1.3
130°-140°	84.1	0.6
140°-150°	48.8	0.4
150°-160°	28.5	0.2
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	4792.1	35.9
0°-40°	7483.8	56.1
0°-60°	10787.0	80.9
0°-90°	12108.7	90.8
90°-120°	876.1	6.6
90°-150°	1177.2	8.8
90°-180°	1225.0	9.2
0°-180°	13333.6	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°	2	18	23	31	35	6
95°	23	58	86	115	133	81
105°	512	504	430	304	279	484
115°	352	352	356	354	347	356
125°	171	180	185	184	183	161
135°	101	104	107	108	109	80
145°	74	75	77	78	78	47
155°	59	60	61	61	62	28
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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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°	2.4	17.8	23.4	30.7	34.8
92.5°	8.1	22.6	37.2	51.7	59.8
95°	22.6	58.2	86.5	114.8	133.4
97.5°	134.2	151.2	164.9	190.0	204.5
100°	272.4	294.2	241.7	253.8	259.5
102.5°	438.1	423.6	312.8	281.3	276.4
105°	511.7	504.4	430.0	303.9	278.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	411.4	417.1	409.8	395.3	380.7
115°	352.4	352.4	355.7	354.0	346.8
117.5°	302.3	300.7	303.9	302.3	300.7
120°	252.2	255.4	256.2	254.6	253.8
122.5°	208.6	215.0	219.1	216.6	215.8
125°	170.6	180.3	185.1	183.5	182.7
127.5°	145.5	151.2	157.6	157.6	156.0
130°	126.1	130.1	135.0	135.8	135.8
132.5°	112.4	115.6	119.6	120.4	121.2
135°	101.0	104.3	106.7	108.3	109.1
137.5°	93.0	94.6	97.8	98.6	99.4
140°	84.9	87.3	89.7	90.5	91.3
142.5°	79.2	80.8	82.4	84.1	84.1
145°	73.6	75.2	76.8	78.4	78.4
147.5°	69.5	71.1	72.8	72.8	73.6
150°	65.5	67.1	67.9	68.7	68.7
152.5°	62.2	63.0	64.7	64.7	65.5
155°	59.0	59.8	61.4	61.4	62.2
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	511.7	512.5	474.5	365.4	306.4
110°	472.1	476.1	455.1	413.9	363.8



(END OF REPORT)