

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: P827687

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827687  
REPORT IS A COMBINATION OF REPORTS P826117 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-NL-UNV-L930-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

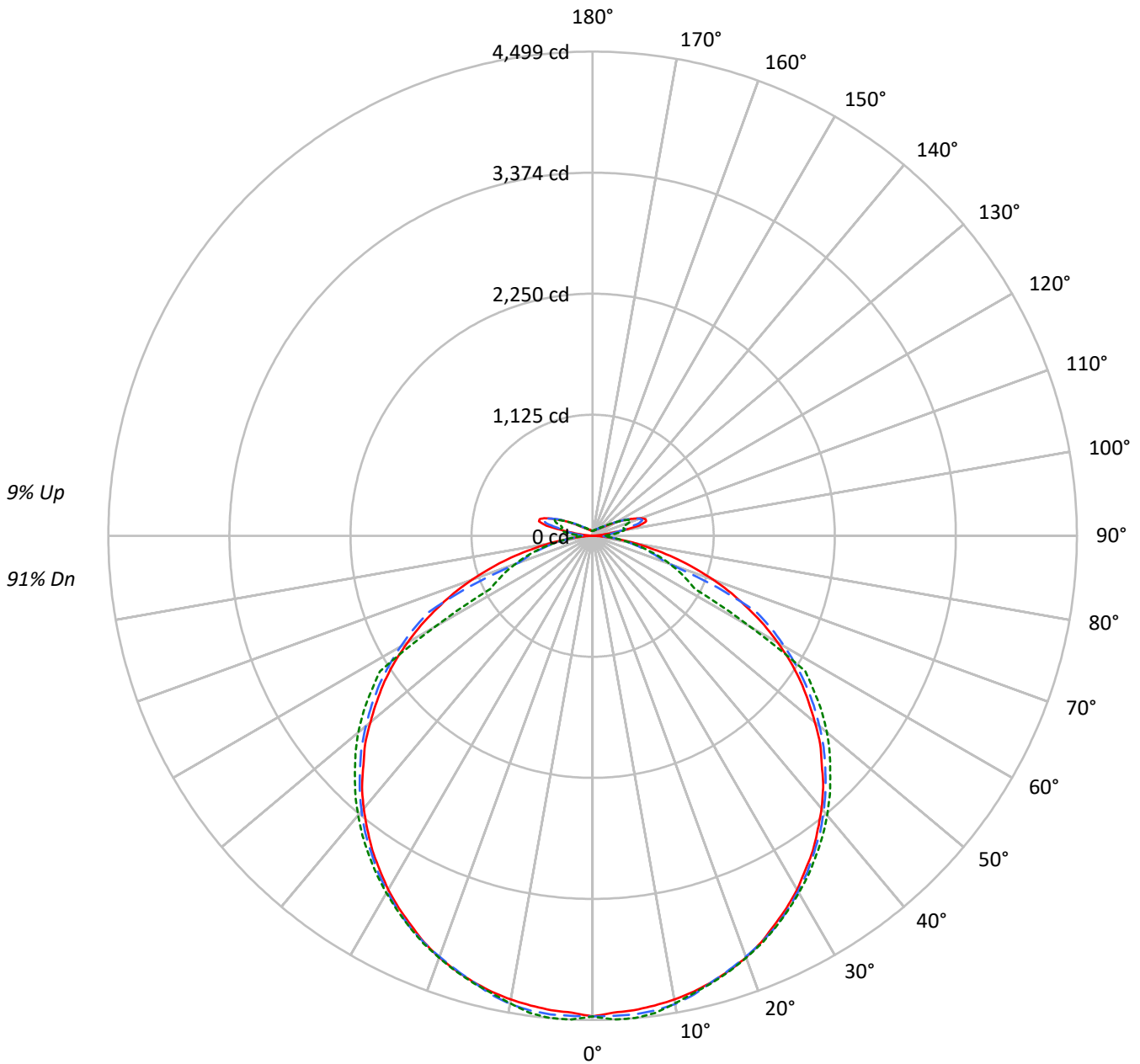
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13767.7 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 97.3  
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				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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	91
1	107	103	99	95	103	99	96	92	93	91	88	88	86	84	83	81	79	79	79	79	77
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	67	67	67	64
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	57	57	57	54
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	49	49	49	47
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	43	43	43	40
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	37	37	37	35
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	33	33	33	31
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	30	30	30	28
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	27	27	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	24	24	24	23

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

	0°	45°	90°
0°	14530	14530	14530
5°	14307	14455	14657
10°	14168	14340	14506
15°	14022	14074	14379
20°	13855	13906	14308
25°	13608	13767	14242
30°	13384	13561	14180
35°	13124	13324	14124
40°	12823	13092	14082
45°	12429	12786	13995
50°	12005	12443	13939
55°	11502	12019	13703
60°	10795	11421	10586
65°	9826	10669	7051
70°	8612	5397	6741
75°	6919	4763	6284
80°	4605	3830	5503
85°	1662	2833	4761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	424.3	3.1
10°-20°	1214.9	8.8
20°-30°	1848.6	13.4
30°-40°	2247.7	16.3
40°-50°	2363.3	17.2
50°-60°	2158.0	15.7
60°-70°	1383.4	10.0
70°-80°	653.5	4.7
80°-90°	184.3	1.3
90°-100°	165.7	1.2
100°-110°	421.0	3.1
110°-120°	354.1	2.6
120°-130°	168.2	1.2
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
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0°-30°	3487.9	25.3
0°-40°	5735.5	41.7
0°-60°	10256.8	74.5
0°-90°	12478.0	90.6
90°-120°	940.8	6.8
90°-150°	1241.9	9.0
90°-180°	1290.0	9.4
0°-180°	13767.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4466	4466	4466	4466	4466	
5°	4425	4442	4465	4489	4498	421
15°	4291	4323	4290	4296	4299	1211
25°	3993	3999	4013	4020	4016	1842
35°	3569	3548	3588	3632	3622	2230
45°	3010	3005	3056	3128	3122	2327
55°	2359	2341	2420	2501	2507	2104
65°	1589	1589	1682	965	968	1576
75°	785	800	520	547	549	828
85°	103	130	162	176	166	152
90°	2	62	96	116	119	6
95°	25	81	138	184	203	82
105°	516	513	443	316	291	488
115°	356	358	363	360	348	359
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°	4466.3	4466.3	4466.3	4466.3	4466.3
2.5°	4434.9	4449.9	4466.3	4487.5	4499.2
5°	4424.7	4442.0	4464.7	4489.1	4498.5
7.5°	4402.8	4427.1	4449.1	4466.3	4471.8
10°	4375.3	4404.4	4417.0	4415.4	4411.5
12.5°	4338.6	4369.1	4365.2	4347.1	4350.3
15°	4290.7	4322.9	4290.0	4296.2	4299.4
17.5°	4234.3	4265.7	4227.3	4239.8	4240.6
20°	4168.5	4192.0	4162.2	4172.5	4172.5
22.5°	4089.4	4105.8	4093.2	4100.4	4101.9
25°	3992.9	3999.1	4013.3	4019.6	4016.4
27.5°	3900.5	3892.6	3920.1	3935.0	3927.0
30°	3797.8	3785.3	3817.4	3841.7	3832.3
32.5°	3680.3	3672.4	3709.3	3738.2	3732.7
35°	3569.0	3547.8	3588.5	3632.4	3622.2
37.5°	3437.3	3424.7	3471.0	3517.3	3511.8
40°	3308.8	3287.6	3340.1	3395.0	3389.5
42.5°	3170.8	3145.7	3202.9	3268.8	3262.5
45°	3010.2	3004.7	3055.6	3127.7	3122.3
47.5°	2867.6	2840.2	2911.4	2981.2	2987.5
50°	2695.1	2685.0	2750.0	2834.7	2840.9
52.5°	2526.7	2519.7	2587.7	2673.2	2684.2
55°	2358.9	2340.9	2420.1	2500.8	2507.1
57.5°	2179.5	2160.7	2241.4	2329.2	2342.5
60°	1987.4	1969.4	2057.9	2139.5	1701.5
62.5°	1795.5	1782.9	1875.4	1328.4	1070.6
65°	1589.3	1589.3	1681.7	964.7	967.9
67.5°	1396.6	1384.0	1254.0	866.7	866.7
70°	1189.6	1194.4	722.5	759.4	760.2
72.5°	982.0	999.3	623.9	653.5	655.2
75°	785.2	800.2	519.6	547.0	549.3
77.5°	576.8	443.5	417.7	438.9	439.7
80°	405.1	279.8	319.8	340.1	337.8
82.5°	236.6	195.9	234.3	249.2	248.4
85°	102.7	130.1	162.2	175.6	166.1
87.5°	32.8	80.8	101.0	109.0	108.1
90°	2.4	61.7	95.5	116.1	118.7
92.5°	8.1	57.1	99.9	130.1	139.0
95°	25.0	80.9	138.3	184.5	203.1
97.5°	135.8	167.6	201.8	244.8	260.9
100°	274.0	307.5	266.0	292.9	299.5
102.5°	442.0	434.5	327.7	306.4	302.3
105°	515.6	513.0	442.6	316.5	290.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	416.2	423.4	418.5	401.6	381.5
115°	356.3	357.9	363.4	359.5	347.5
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°	515.6	520.2	485.4	372.4	308.7
110°	476.8	483.1	464.5	420.2	364.5



(END OF REPORT)