

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: P827724

Luminaire Tested: **OHBL-18SE-W-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827724  
REPORT IS A COMBINATION OF REPORTS P826070 AND G3-2310-221-12  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-18SE-W-UNV-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

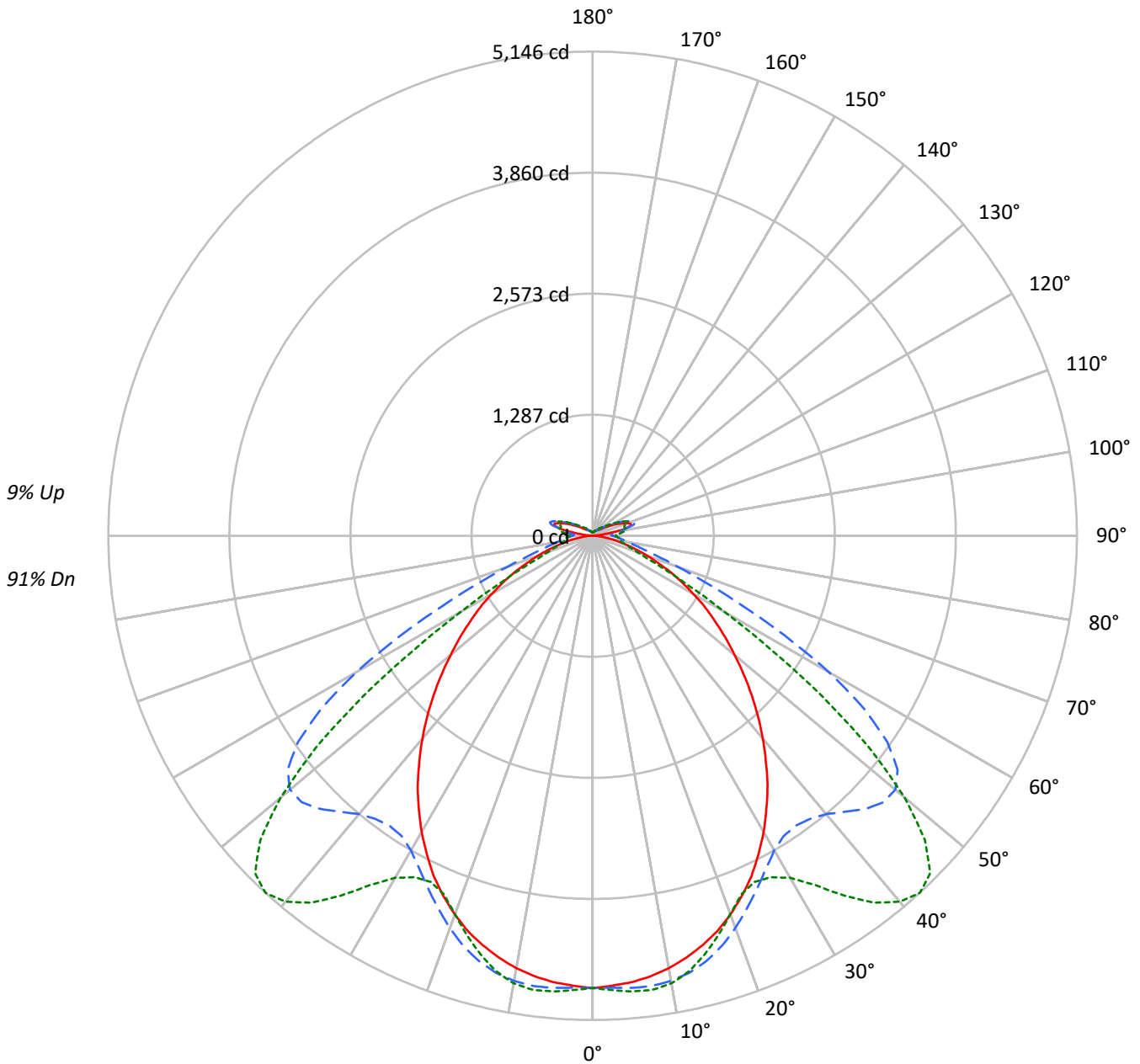
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15399.0 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 113.4  
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									
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	107	103	99	95	104	100	96	93	94	91	88	88	86	84	84	82	80	77																			
2	98	90	83	78	94	87	81	76	82	77	73	78	74	70	74	70	68	65																			
3	89	79	71	65	86	77	70	64	73	67	62	69	64	59	65	61	57	55																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	46	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	46	40	52	45	39	49	43	38	47	42	37	35																			
7	64	50	42	36	62	49	41	35	47	40	35	45	38	34	43	37	33	31																			
8	59	46	37	32	57	45	37	31	43	36	31	41	35	30	39	34	29	27																			
9	55	42	34	28	53	41	33	28	39	32	27	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	35	29	24	33	28	24	22																			

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

	0°	45°	90°
0°	8210	8210	8210
5°	8094	8199	8303
10°	7954	8186	8313
15°	7760	8051	8047
20°	7510	7774	7653
25°	7189	7439	7499
30°	6777	7190	8070
35°	6315	7323	9443
40°	5788	7930	10917
45°	5240	8996	11735
50°	4673	9947	10920
55°	4140	9934	8344
60°	3599	8404	5102
65°	3034	5803	3090
70°	2405	3751	2231
75°	1764	2687	2068
80°	1191	2359	2334
85°	711	2591	3689



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	459.3	3.0
10°-20°	1300.7	8.4
20°-30°	1903.4	12.4
30°-40°	2471.9	16.1
40°-50°	3018.6	19.6
50°-60°	2658.3	17.3
60°-70°	1385.3	9.0
70°-80°	594.1	3.9
80°-90°	287.8	1.9
90°-100°	230.2	1.5
100°-110°	417.9	2.7
110°-120°	336.6	2.2
120°-130°	164.5	1.1
130°-140°	82.3	0.5
140°-150°	46.5	0.3
150°-160°	25.6	0.2
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	3663.5	23.8
0°-40°	6135.4	39.8
0°-60°	11812.3	76.7
0°-90°	14079.4	91.4
90°-120°	984.7	6.4
90°-150°	1278.1	8.3
90°-180°	1320.0	8.6
0°-180°	15399.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4807	4807	4807	4807	4807	
5°	4762	4798	4824	4867	4862	452
15°	4506	4633	4677	4642	4605	1269
25°	3993	4206	4135	4057	4061	1832
35°	3241	3583	3762	4388	4669	2020
45°	2386	3002	4104	4969	5072	1840
55°	1589	2630	3822	3351	2978	1426
65°	912	1822	1750	973	837	902
75°	367	852	562	385	365	400
85°	78	304	286	280	283	87
90°	4	124	208	241	249	7
95°	22	111	220	270	290	68
105°	422	449	450	367	349	400
115°	297	312	352	363	360	297
125°	150	158	186	195	197	139
135°	89	91	105	117	118	70
145°	69	68	70	77	80	43
155°	57	58	56	57	57	25
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4806.8	4806.8	4806.8	4806.8	4806.8
2.5°	4786.1	4806.8	4807.8	4836.9	4833.8
5°	4762.2	4798.5	4824.5	4867.0	4861.7
7.5°	4722.8	4779.8	4825.4	4872.1	4867.9
10°	4666.8	4744.6	4804.7	4843.0	4830.7
12.5°	4594.2	4696.9	4756.0	4764.2	4740.4
15°	4506.1	4632.6	4677.2	4641.9	4604.6
17.5°	4406.5	4554.8	4570.3	4493.6	4447.0
20°	4282.1	4451.1	4435.5	4329.8	4277.9
22.5°	4144.1	4337.0	4287.2	4176.3	4126.5
25°	3992.7	4206.3	4134.8	4057.0	4061.1
27.5°	3815.3	4058.0	3988.6	4023.8	4090.2
30°	3634.9	3902.5	3860.0	4065.3	4196.0
32.5°	3436.8	3742.7	3781.1	4186.6	4400.2
35°	3240.9	3583.0	3762.5	4387.8	4668.9
37.5°	3024.1	3421.3	3792.5	4620.1	4914.7
40°	2813.6	3263.6	3861.0	4828.6	5077.5
42.5°	2598.9	3122.6	3976.1	4952.0	5145.9
45°	2386.3	3002.3	4103.7	4968.6	5072.3
47.5°	2173.7	2900.7	4191.8	4836.9	4789.1
50°	1968.4	2810.4	4198.0	4520.5	4325.6
52.5°	1776.5	2727.5	4083.9	4016.5	3713.7
55°	1588.8	2630.0	3821.6	3350.8	2978.5
57.5°	1417.7	2495.2	3417.1	2635.2	2228.7
60°	1236.2	2312.6	2894.5	1927.9	1607.5
62.5°	1069.2	2085.5	2308.5	1342.0	1155.3
65°	911.6	1822.1	1749.6	972.7	836.9
67.5°	744.6	1549.4	1291.2	709.3	622.3
70°	613.9	1296.3	961.4	551.7	500.9
72.5°	480.2	1055.8	718.7	448.0	420.0
75°	367.1	852.5	562.1	384.8	365.0
77.5°	270.7	674.1	452.2	340.1	321.5
80°	189.8	531.0	378.5	303.9	296.6
82.5°	127.6	410.7	322.5	289.3	290.4
85°	77.8	303.9	286.2	280.0	283.1
87.5°	37.3	215.7	245.8	255.1	258.3
90°	3.5	124.5	208.1	240.8	249.2
92.5°	7.3	102.6	196.7	236.5	245.7
95°	22.3	111.1	219.9	270.1	289.8
97.5°	111.2	171.7	269.0	320.2	331.4
100°	226.2	285.7	319.9	354.8	361.9
102.5°	357.9	390.4	363.3	361.9	359.9
105°	422.0	449.4	449.9	367.0	348.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	344.1	365.2	406.3	407.9	396.2
115°	297.2	311.8	351.9	363.0	360.3
117.5°	251.4	266.0	302.6	312.7	312.1
120°	211.8	224.9	256.6	265.8	266.8
122.5°	179.5	188.7	219.1	228.0	229.9
125°	149.5	158.3	186.4	195.2	197.0
127.5°	125.0	131.0	159.4	168.9	170.0
130°	109.7	112.9	135.6	146.8	148.9
132.5°	98.4	100.8	118.6	129.7	132.6
135°	88.7	91.1	104.7	116.9	117.9
137.5°	82.2	83.8	93.5	104.7	107.6
140°	75.7	78.2	83.9	95.1	96.1
142.5°	71.9	72.5	77.2	86.3	88.2
145°	69.0	68.5	70.3	77.4	80.2
147.5°	64.9	65.5	67.1	71.2	73.1
150°	62.5	63.3	62.0	64.9	66.9
152.5°	59.3	60.1	58.8	59.6	61.7
155°	56.8	57.6	56.3	57.1	57.1
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	425.5	454.1	475.9	406.3	356.6
110°	389.9	418.4	449.4	432.9	393.7



(END OF REPORT)