

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: P827725

Luminaire Tested: **OHBL-18SE-W-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P827725  
REPORT IS A COMBINATION OF REPORTS P826166 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-18SE-W-UNV-L930-CD-UPL18  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

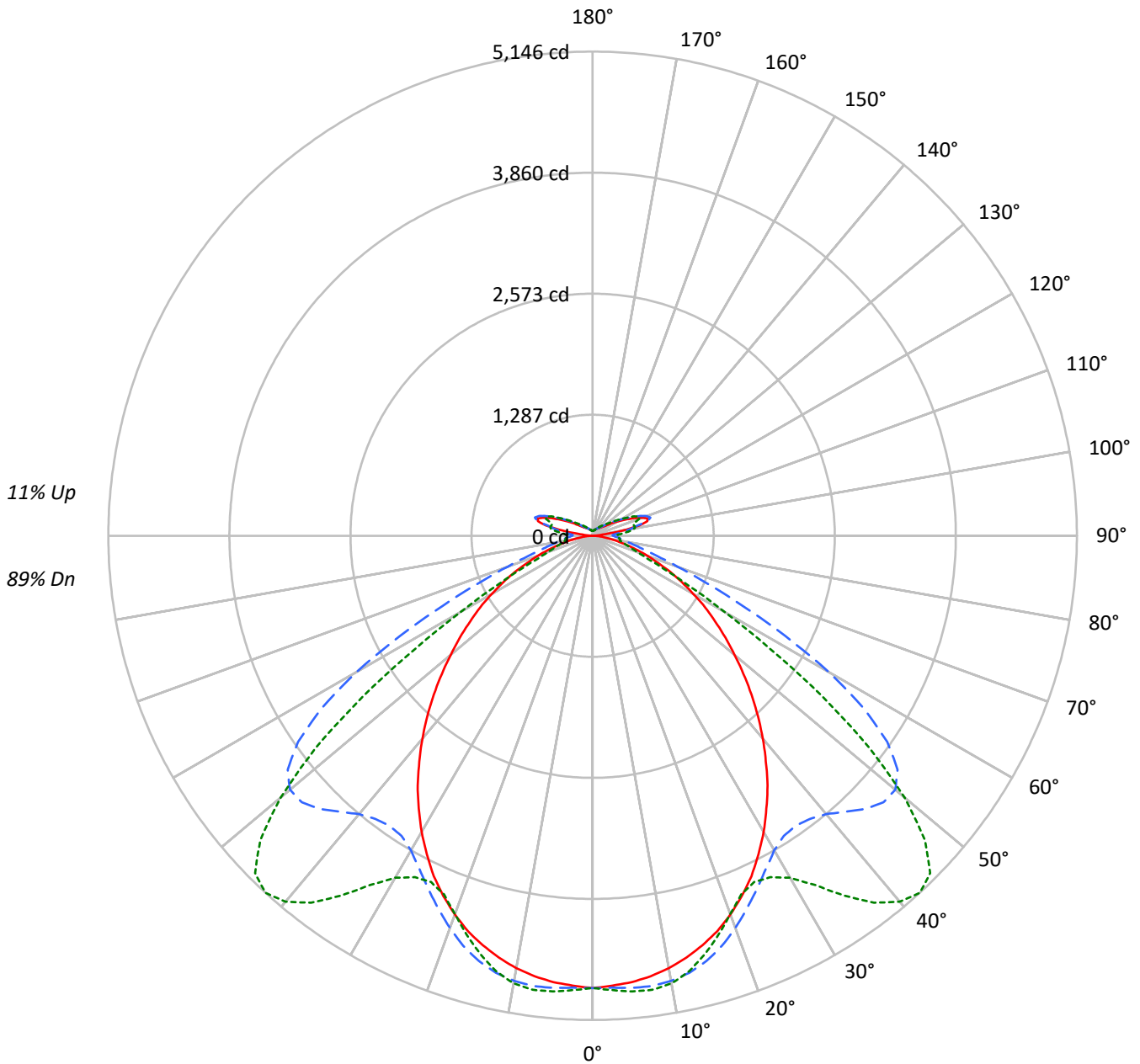
Lumens per Lamp: N/A  
Luminaire Lumens: 15839.2 lumens  
Efficiency: N/A  
Efficacy: 135.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 117.3  
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				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	112	112	112	112	105	105	105	98	98	98	92	92	92	89			
1	107	102	98	94	103	99	95	92	93	90	87	87	84	82	82	80	78	75			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	64	59	56	53			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	46			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	42	39			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	38	46	41	36	34			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	27			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24			
10	51	38	31	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21			

**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	2.9
10°-20°	1300.7	8.2
20°-30°	1903.4	12.0
30°-40°	2471.9	15.6
40°-50°	3018.6	19.1
50°-60°	2658.3	16.8
60°-70°	1385.3	8.7
70°-80°	594.1	3.8
80°-90°	288.9	1.8
90°-100°	272.4	1.7
100°-110°	563.9	3.6
110°-120°	462.2	2.9
120°-130°	225.1	1.4
130°-140°	112.5	0.7
140°-150°	64.0	0.4
150°-160°	35.8	0.2
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	3663.5	23.1
0°-40°	6135.4	38.7
0°-60°	11812.3	74.6
0°-90°	14080.5	88.9
90°-120°	1298.6	8.2
90°-150°	1700.1	10.7
90°-180°	1759.0	11.1
0°-180°	15839.2	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	130	216	252	261	8
95°	33	130	255	311	336	98
105°	603	630	604	474	448	573
115°	421	440	479	488	489	425
125°	209	222	253	262	262	196
135°	126	128	143	156	158	100
145°	96	95	99	106	108	60
155°	78	80	78	79	79	35
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°	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°	4.3	130.1	216.2	252.1	261.3
92.5°	10.5	110.7	210.4	254.3	265.9
95°	32.8	130.5	254.6	311.3	335.9
97.5°	159.7	225.0	327.2	389.7	405.8
100°	328.0	386.8	406.4	446.1	454.0
102.5°	511.5	548.0	474.8	462.1	459.3
105°	603.1	629.6	603.5	473.7	448.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	492.8	514.7	548.6	550.2	532.0
115°	420.9	440.3	478.9	487.5	488.8
117.5°	360.5	374.3	410.1	421.0	422.8
120°	302.3	316.2	349.6	359.5	359.0
122.5°	253.8	266.3	298.3	307.2	306.7
125°	209.4	222.1	252.7	262.3	261.7
127.5°	177.6	185.9	216.0	225.5	225.0
130°	155.0	160.6	184.1	195.3	198.2
132.5°	139.6	142.0	161.4	172.6	176.3
135°	125.9	128.3	142.7	155.7	157.5
137.5°	115.3	117.8	128.3	140.2	143.2
140°	106.5	108.9	115.4	127.5	129.3
142.5°	100.2	101.6	107.1	116.2	118.1
145°	95.6	95.1	98.6	105.6	107.7
147.5°	90.0	90.5	92.2	97.9	98.9
150°	85.1	86.7	86.2	89.2	92.0
152.5°	81.9	82.7	82.2	83.0	85.1
155°	77.8	79.5	78.2	79.0	79.0
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°	609.8	636.8	644.9	538.0	469.7
110°	558.9	588.1	612.6	580.8	527.0



(END OF REPORT)