

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: P827709

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

Issue Date: 5/3/2024



**Test Information**

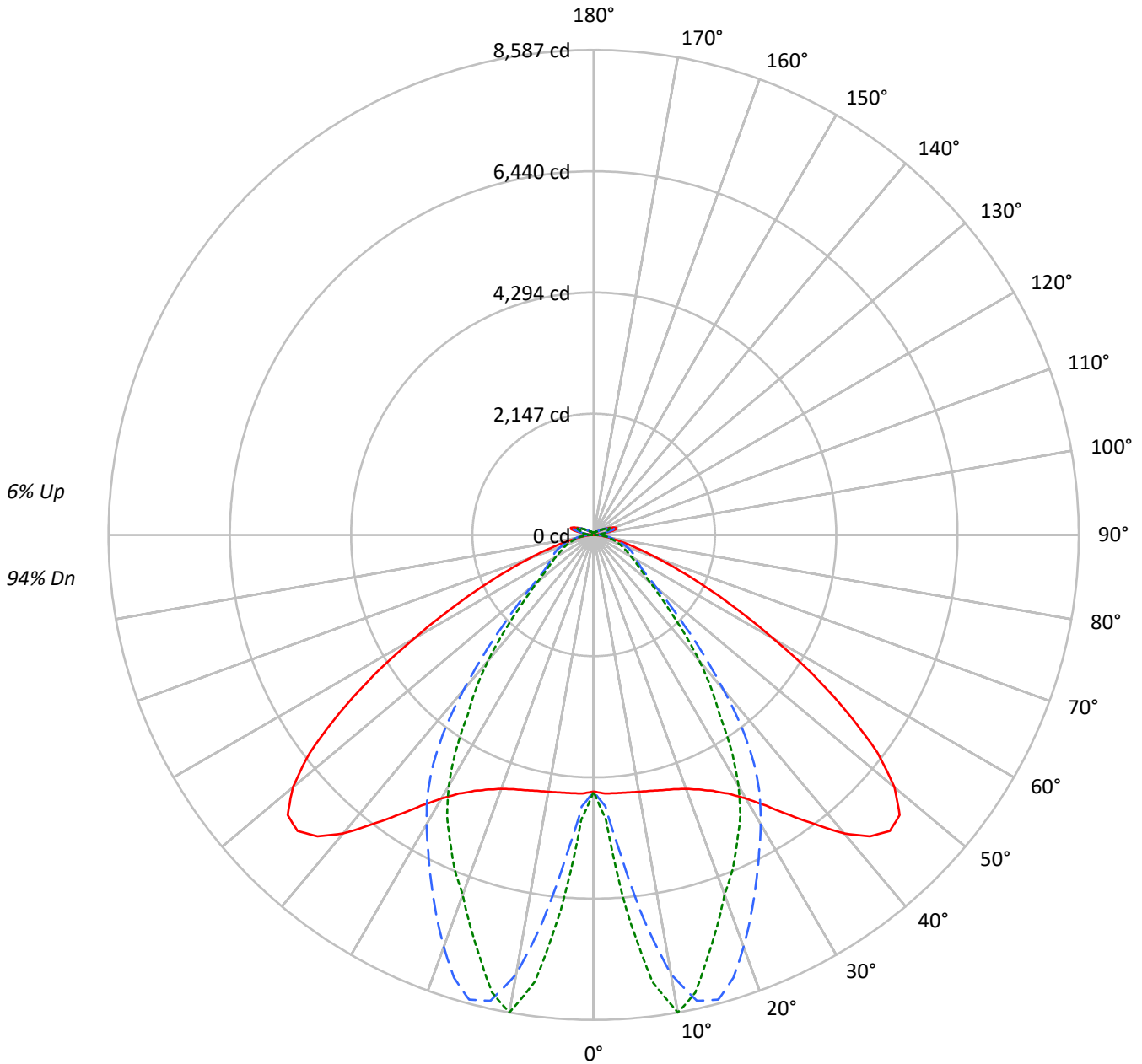
Test Method: LM-79-08  
Report Number: P827709  
REPORT IS A COMBINATION OF REPORTS P826065 AND G3-2310-221-12  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-18SE-A-UNV-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15588.2 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
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 (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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94																			
1	109	105	101	98	106	102	99	96	97	94	92	92	90	88	87	86	84	82																			
2	101	94	88	83	98	91	86	82	87	83	79	83	79	76	79	76	74	71																			
3	93	84	77	72	90	82	76	71	78	73	69	75	70	67	72	68	65	63																			
4	86	76	68	63	84	74	67	62	71	65	60	68	63	59	65	61	57	55																			
5	80	69	61	55	78	67	60	55	65	58	53	62	57	52	60	55	51	49																			
6	75	63	55	49	72	62	54	49	59	53	48	57	51	47	55	50	46	44																			
7	70	57	50	44	68	56	49	44	54	48	43	52	47	42	51	46	42	40																			
8	65	53	45	40	63	52	45	40	50	44	39	48	43	38	47	42	38	36																			
9	61	49	41	36	59	48	41	36	46	40	36	45	39	35	44	38	35	33																			
10	57	45	38	33	56	45	38	33	43	37	33	42	36	32	41	35	32	30																			

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

	0°	45°	90°
0°	7761	7761	7761
5°	7801	9761	11377
10°	7870	13458	14778
15°	8058	14660	13563
20°	8391	13603	12121
25°	9003	12234	11087
30°	10039	11015	9859
35°	11802	9641	7856
40°	14190	7342	6252
45°	16277	5002	4450
50°	16502	3431	3291
55°	14284	2700	2689
60°	10670	2527	2419
65°	7314	2535	2291
70°	4676	2445	2220
75°	2812	2263	2123
80°	1654	1989	2191
85°	796	1707	2030



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	593.2	3.8
10°-20°	2093.8	13.4
20°-30°	3085.3	19.8
30°-40°	3242.1	20.8
40°-50°	2480.8	15.9
50°-60°	1498.0	9.6
60°-70°	914.1	5.9
70°-80°	499.0	3.2
80°-90°	177.7	1.1
90°-100°	96.2	0.6
100°-110°	334.6	2.1
110°-120°	287.4	1.8
120°-130°	137.7	0.9
130°-140°	68.9	0.4
140°-150°	40.1	0.3
150°-160°	23.4	0.2
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	5772.3	37.0
0°-40°	9014.4	57.8
0°-60°	12993.3	83.4
0°-90°	14584.1	93.6
90°-120°	718.2	4.6
90°-150°	964.9	6.2
90°-180°	1004.0	6.4
0°-180°	15588.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4544	4544	4544	4544	4544	
5°	4590	4924	5744	6414	6661	439
15°	4679	7288	8517	7948	7761	1330
25°	5000	8458	6800	6156	6004	2337
35°	6056	6773	4954	4126	3884	3842
45°	7413	3865	2282	2008	1924	5601
55°	5482	1311	1039	963	960	4844
65°	2198	830	764	654	621	2252
75°	585	516	473	390	375	673
85°	87	160	189	172	156	108
90°	2	15	19	25	28	6
95°	20	47	70	94	108	66
105°	418	413	352	250	230	395
115°	291	291	292	289	284	291
125°	142	148	151	150	150	133
135°	82	85	88	89	89	66
145°	61	62	63	64	65	38
155°	48	49	50	51	51	23
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°	4544.0	4544.0	4544.0	4544.0	4544.0
2.5°	4581.2	4628.0	4812.3	5003.7	5050.2
5°	4589.6	4924.0	5744.1	6413.8	6661.3
7.5°	4599.3	5403.5	6898.6	7718.5	7981.0
10°	4617.8	6009.9	7899.0	8487.7	8586.8
12.5°	4640.8	6652.3	8449.4	8428.0	8303.0
15°	4679.0	7287.8	8517.2	7947.9	7761.1
17.5°	4719.2	7825.3	8221.5	7425.3	7262.6
20°	4784.4	8224.4	7761.5	6960.8	6775.9
22.5°	4878.5	8443.8	7279.0	6540.7	6420.0
25°	4999.9	8458.0	6799.9	6156.2	6004.2
27.5°	5162.7	8261.8	6340.6	5779.6	5619.0
30°	5384.0	7886.1	5913.8	5325.4	5126.2
32.5°	5684.7	7345.4	5473.9	4777.0	4553.7
35°	6056.4	6773.3	4953.8	4125.5	3884.2
37.5°	6462.1	6138.1	4322.6	3548.5	3408.0
40°	6898.6	5483.6	3574.6	3008.5	2908.0
42.5°	7239.2	4772.0	2879.8	2500.2	2393.2
45°	7412.8	3865.0	2281.9	2008.0	1923.6
47.5°	7345.2	3000.2	1809.0	1595.5	1570.1
50°	6950.6	2215.3	1448.1	1314.3	1303.8
52.5°	6333.7	1651.2	1196.2	1113.4	1095.3
55°	5482.0	1310.6	1038.8	962.8	959.8
57.5°	4602.6	1113.4	942.9	884.1	863.6
60°	3664.7	992.8	870.3	803.8	762.3
62.5°	2872.6	908.4	816.8	726.6	687.8
65°	2197.8	829.7	764.2	653.9	620.6
67.5°	1638.3	754.7	699.9	577.6	558.1
70°	1193.7	677.7	626.6	513.6	498.3
72.5°	850.8	600.9	553.4	453.6	436.7
75°	585.2	516.0	473.3	390.5	374.7
77.5°	394.8	429.2	394.4	333.4	326.8
80°	263.6	340.4	319.0	282.5	278.5
82.5°	160.0	247.1	251.7	229.7	218.7
85°	87.1	160.0	188.6	171.9	155.8
87.5°	34.1	88.7	130.0	116.7	109.9
90°	2.4	14.6	19.4	25.1	28.3
92.5°	7.3	18.6	30.7	43.6	47.7
95°	20.2	46.9	69.5	93.8	108.3
97.5°	109.1	118.8	134.2	158.4	166.5
100°	223.1	240.1	199.7	208.6	212.6
102.5°	354.9	350.0	255.4	231.2	227.1
105°	417.9	413.1	352.4	249.8	229.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	337.9	340.3	337.9	325.0	311.2
115°	291.0	291.0	291.8	289.4	284.5
117.5°	244.1	247.4	249.8	247.4	245.7
120°	204.5	209.4	211.0	207.7	207.7
122.5°	172.2	176.2	178.6	176.2	177.0
125°	142.3	147.9	151.2	149.5	150.4
127.5°	118.8	123.7	129.3	128.5	128.5
130°	103.5	106.7	110.7	111.6	111.6
132.5°	92.2	94.6	97.8	98.6	99.4
135°	82.4	84.9	88.1	88.9	88.9
137.5°	76.0	77.6	80.0	80.8	81.6
140°	69.5	71.9	73.6	74.4	74.4
142.5°	64.7	66.3	67.9	68.7	69.5
145°	60.6	62.2	63.0	63.9	64.7
147.5°	56.6	58.2	59.8	59.8	60.6
150°	54.2	55.0	55.8	56.6	56.6
152.5°	50.9	51.7	52.5	53.4	53.4
155°	48.5	49.3	50.1	50.9	50.9
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°	420.3	422.0	388.8	301.5	249.8
110°	384.8	390.4	372.6	339.5	298.3



(END OF REPORT)