

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: P827721

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827721  
REPORT IS A COMBINATION OF REPORTS P826069 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-NL-UNV-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

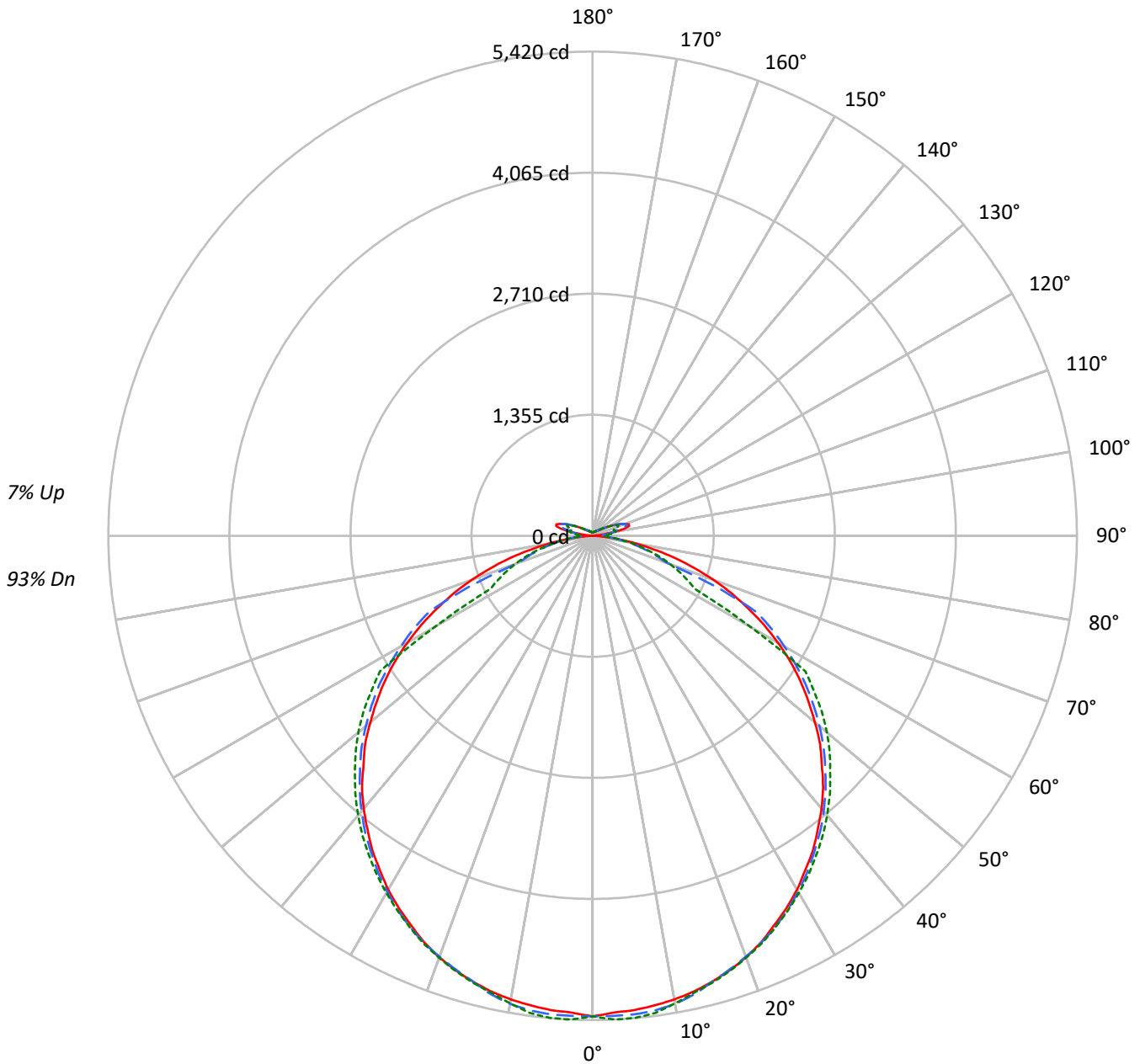
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16111.9 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')  
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	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	97	93	95	92	89	90	87	85	85	83	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	72	65	87	77	70	64	73	67	62	70	65	60	66	62	59	56																			
4	82	70	62	55	79	69	61	55	65	59	53	62	56	52	59	54	50	48																			
5	75	63	54	48	73	61	53	47	59	51	46	56	50	45	53	48	44	41																			
6	70	57	48	41	67	55	47	41	53	46	40	50	44	39	48	43	38	36																			
7	64	51	43	37	62	50	42	36	48	41	35	46	40	35	44	38	34	32																			
8	60	47	38	33	58	46	38	32	44	37	32	42	36	31	40	35	30	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	32	28	37	32	27	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

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

	0°	45°	90°
0°	9189	9189	9189
5°	9091	9172	9269
10°	9045	9129	9174
15°	8995	8991	9093
20°	8932	8915	9048
25°	8818	8858	9007
30°	8720	8760	8968
35°	8603	8643	8933
40°	8461	8533	8906
45°	8263	8379	8851
50°	8051	8205	8815
55°	7794	7984	8666
60°	7408	7657	6694
65°	6855	7238	4459
70°	6144	3721	4264
75°	5100	3363	3975
80°	3582	2813	3480
85°	1438	2254	3011



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	511.1	3.2
10°-20°	1463.5	9.1
20°-30°	2226.9	13.8
30°-40°	2707.6	16.8
40°-50°	2846.9	17.7
50°-60°	2599.5	16.1
60°-70°	1666.4	10.3
70°-80°	787.2	4.9
80°-90°	220.8	1.4
90°-100°	154.0	1.0
100°-110°	350.4	2.2
110°-120°	291.8	1.8
120°-130°	137.7	0.9
130°-140°	68.9	0.4
140°-150°	40.1	0.2
150°-160°	23.4	0.1
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	4201.5	26.1
0°-40°	6909.0	42.9
0°-60°	12355.4	76.7
0°-90°	15029.8	93.3
90°-120°	796.2	4.9
90°-150°	1042.9	6.5
90°-180°	1082.0	6.7
0°-180°	16111.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5380	5380	5380	5380	5380	
5°	5330	5351	5378	5408	5419	507
15°	5169	5207	5168	5175	5179	1459
25°	4810	4817	4834	4842	4838	2219
35°	4299	4274	4323	4376	4363	2687
45°	3626	3620	3681	3768	3761	2803
55°	2842	2820	2915	3012	3020	2534
65°	1914	1914	2026	1162	1166	1898
75°	946	964	626	659	662	997
85°	124	157	195	212	200	183
90°	2	67	106	128	129	7
95°	23	74	132	178	192	68
105°	423	424	368	265	244	400
115°	296	298	301	296	285	294
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°	5380.1	5380.1	5380.1	5380.1	5380.1
2.5°	5342.4	5360.3	5380.1	5405.6	5419.7
5°	5330.1	5350.8	5378.2	5407.5	5418.8
7.5°	5303.6	5332.8	5359.3	5380.1	5386.7
10°	5270.6	5305.6	5320.7	5318.8	5314.1
12.5°	5226.2	5263.1	5258.4	5236.6	5240.4
15°	5168.6	5207.3	5167.8	5175.3	5179.0
17.5°	5100.7	5138.4	5092.2	5107.3	5108.3
20°	5021.4	5049.7	5013.8	5026.1	5026.1
22.5°	4926.1	4945.9	4930.8	4939.2	4941.2
25°	4809.9	4817.4	4834.4	4842.0	4838.2
27.5°	4698.6	4689.1	4722.2	4740.1	4730.5
30°	4574.8	4559.7	4598.4	4627.7	4616.4
32.5°	4433.2	4423.8	4468.2	4503.1	4496.5
35°	4299.2	4273.7	4322.8	4375.7	4363.4
37.5°	4140.6	4125.5	4181.2	4236.9	4230.3
40°	3985.7	3960.3	4023.6	4089.6	4083.0
42.5°	3819.6	3789.4	3858.3	3937.6	3930.0
45°	3626.0	3619.5	3680.8	3767.6	3761.1
47.5°	3454.3	3421.3	3507.1	3591.2	3598.8
50°	3246.5	3234.3	3312.7	3414.6	3422.2
52.5°	3043.6	3035.1	3117.2	3220.2	3233.3
55°	2841.5	2819.9	2915.2	3012.4	3020.0
57.5°	2625.5	2602.8	2700.0	2805.7	2821.7
60°	2394.0	2372.4	2479.0	2577.3	2049.5
62.5°	2162.8	2147.7	2259.1	1600.2	1289.6
65°	1914.5	1914.5	2025.8	1162.1	1165.9
67.5°	1682.3	1667.3	1510.5	1044.0	1044.0
70°	1433.1	1438.8	870.3	914.8	915.8
72.5°	1182.9	1203.7	751.5	787.3	789.2
75°	945.9	963.9	625.9	659.0	661.8
77.5°	694.8	534.3	503.1	528.7	529.6
80°	488.1	337.0	385.2	409.7	406.9
82.5°	285.0	236.0	282.3	300.2	299.2
85°	123.7	156.7	195.4	211.5	200.1
87.5°	39.6	97.2	121.7	131.2	130.2
90°	2.4	67.4	106.2	127.9	129.3
92.5°	7.3	60.1	106.3	138.1	143.1
95°	23.0	74.3	131.9	177.8	192.4
97.5°	111.0	138.6	178.6	224.5	234.5
100°	225.0	256.1	228.9	255.8	260.8
102.5°	359.5	363.2	273.3	261.3	258.3
105°	422.6	423.5	367.5	264.9	243.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	343.5	347.9	348.3	332.5	312.1
115°	295.7	297.6	301.2	296.0	285.4
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°	425.0	431.3	402.0	310.0	252.6
110°	390.4	398.9	384.0	347.1	299.2



(END OF REPORT)