

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: P827665

Luminaire Tested: **OHBL-12SE-W-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827665  
REPORT IS A COMBINATION OF REPORTS P826058 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-12SE-W-UNV-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

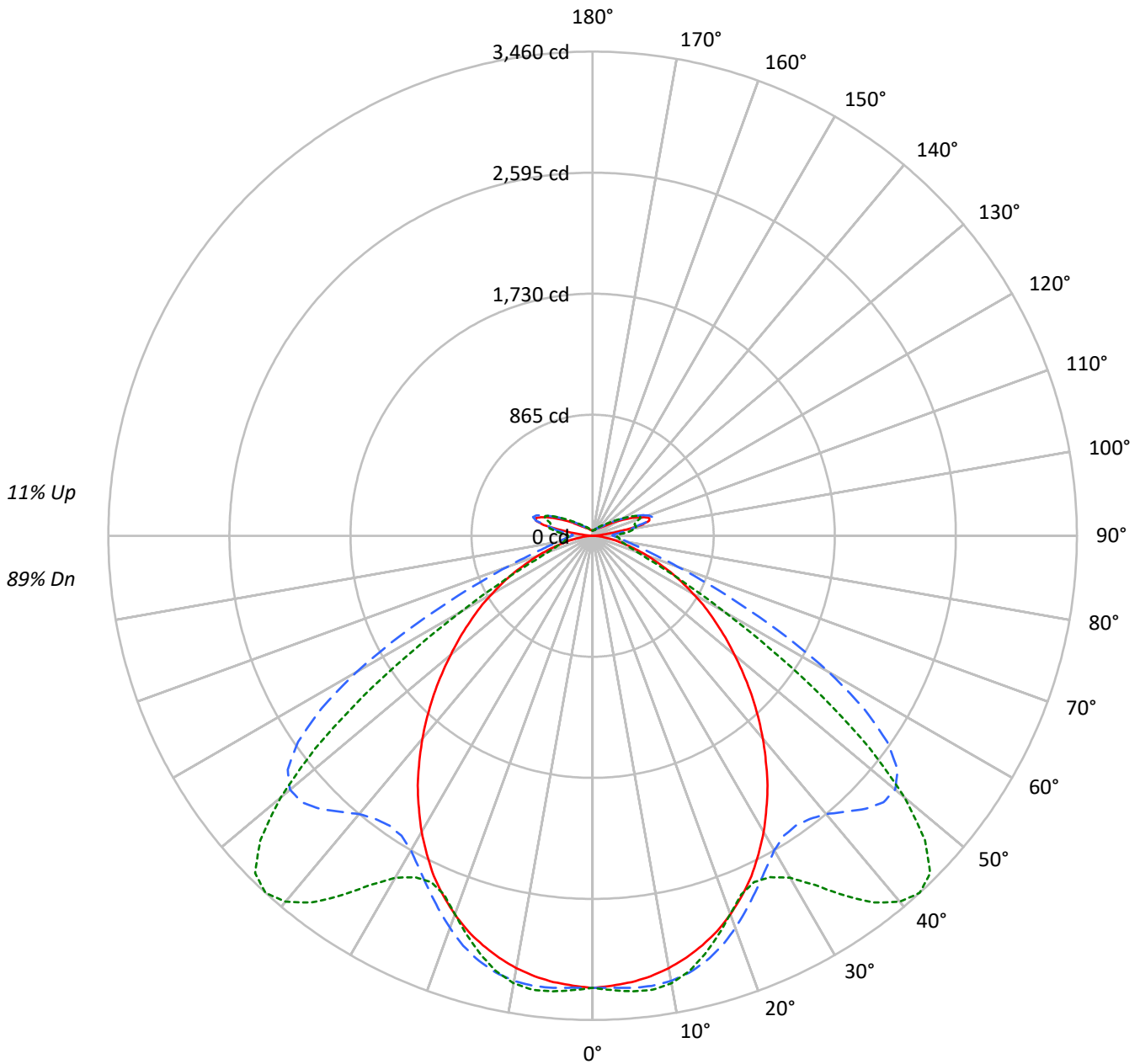
Lumens per Lamp: N/A  
Luminaire Lumens: 10682.4 lumens  
Efficiency: N/A  
Efficacy: 136.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 78.4  
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	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	92	89	87	87	84	82	81	79	78	75																			
2	97	89	83	77	94	86	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	63	59	56	53																			
4	81	69	61	54	78	67	60	54	64	57	52	60	54	50	56	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	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	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21																			

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

	0°	45°	90°
0°	10513	10513	10513
5°	10284	10441	10633
10°	10028	10367	10646
15°	9707	10140	10305
20°	9320	9736	9800
25°	8849	9262	9603
30°	8270	8896	10334
35°	7635	9000	12093
40°	6926	9676	13980
45°	6200	10887	15027
50°	5458	11927	13984
55°	4762	11781	10684
60°	4065	9835	6533
65°	3350	6679	3958
70°	2577	4223	2858
75°	1813	2934	2649
80°	1149	2457	2989
85°	614	2481	4726



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.8	2.9
10°-20°	874.5	8.2
20°-30°	1279.6	12.0
30°-40°	1661.8	15.6
40°-50°	2029.3	19.0
50°-60°	1787.1	16.7
60°-70°	931.3	8.7
70°-80°	399.4	3.7
80°-90°	194.4	1.8
90°-100°	186.3	1.7
100°-110°	390.6	3.7
110°-120°	320.5	3.0
120°-130°	155.7	1.5
130°-140°	78.0	0.7
140°-150°	44.4	0.4
150°-160°	24.9	0.2
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	2462.9	23.1
0°-40°	4124.7	38.6
0°-60°	7941.2	74.3
0°-90°	9466.2	88.6
90°-120°	897.4	8.4
90°-150°	1175.5	11.0
90°-180°	1216.0	11.4
0°-180°	10682.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3232	3232	3232	3232	3232	
5°	3202	3226	3243	3272	3268	304
15°	3029	3114	3144	3121	3096	853
25°	2684	2828	2780	2728	2730	1232
35°	2179	2409	2529	2950	3139	1358
45°	1604	2018	2759	3340	3410	1237
55°	1068	1768	2569	2253	2002	959
65°	613	1225	1176	654	563	606
75°	247	573	378	259	245	269
85°	52	204	192	188	190	58
90°	3	88	146	170	177	5
95°	22	90	171	212	230	67
105°	421	438	418	329	310	398
115°	295	305	332	339	336	295
125°	147	155	175	180	182	137
135°	87	89	99	108	108	69
145°	66	66	68	73	75	42
155°	54	55	54	55	55	24
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°	3231.6	3231.6	3231.6	3231.6	3231.6
2.5°	3217.6	3231.6	3232.2	3251.8	3249.7
5°	3201.6	3226.0	3243.4	3272.0	3268.5
7.5°	3175.1	3213.4	3244.1	3275.4	3272.6
10°	3137.4	3189.7	3230.1	3255.9	3247.6
12.5°	3088.6	3157.6	3197.4	3202.9	3186.9
15°	3029.3	3114.4	3144.3	3120.7	3095.6
17.5°	2962.4	3062.1	3072.6	3021.0	2989.6
20°	2878.7	2992.4	2981.9	2910.8	2876.0
22.5°	2786.0	2915.7	2882.2	2807.7	2774.2
25°	2684.2	2827.9	2779.8	2727.5	2730.2
27.5°	2565.0	2728.1	2681.4	2705.2	2749.8
30°	2443.7	2623.5	2595.0	2733.1	2820.8
32.5°	2310.5	2516.2	2542.0	2814.6	2958.3
35°	2178.8	2408.8	2529.4	2949.9	3138.8
37.5°	2033.0	2300.0	2549.6	3106.0	3304.1
40°	1891.5	2194.1	2595.6	3246.2	3413.5
42.5°	1747.2	2099.2	2673.1	3329.1	3459.5
45°	1604.2	2018.4	2758.8	3340.3	3410.0
47.5°	1461.3	1950.1	2818.1	3251.8	3219.7
50°	1323.3	1889.4	2822.3	3039.1	2908.1
52.5°	1194.3	1833.6	2745.6	2700.2	2496.7
55°	1068.1	1768.1	2569.2	2252.7	2002.3
57.5°	953.1	1677.5	2297.3	1771.6	1498.2
60°	831.0	1554.7	1945.9	1296.1	1080.7
62.5°	718.9	1402.1	1552.0	902.2	776.6
65°	612.9	1224.9	1176.2	653.9	562.7
67.5°	500.6	1041.6	868.0	476.9	418.3
70°	412.7	871.5	646.3	370.9	336.8
72.5°	322.8	709.7	483.1	301.2	282.4
75°	246.8	573.1	377.9	258.7	245.4
77.5°	182.0	453.2	304.0	228.7	216.1
80°	127.6	357.0	254.5	204.3	199.4
82.5°	85.8	276.1	216.8	194.5	195.2
85°	52.3	204.3	192.5	188.3	190.4
87.5°	25.1	145.0	165.2	171.5	173.6
90°	3.2	88.4	146.3	170.1	176.8
92.5°	7.3	75.1	142.3	173.3	180.8
95°	21.6	90.1	170.6	212.3	230.3
97.5°	110.5	154.4	224.8	267.2	277.3
100°	225.2	270.8	280.6	306.8	313.0
102.5°	357.0	377.2	327.9	319.0	316.4
105°	420.7	437.5	418.0	328.6	309.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	342.1	357.0	383.9	380.7	368.4
115°	295.2	305.0	332.2	338.9	335.5
117.5°	249.0	259.9	285.3	291.2	290.4
120°	209.4	219.8	241.7	246.8	247.5
122.5°	177.0	184.6	205.8	211.1	212.6
125°	147.1	154.9	174.8	180.3	181.7
127.5°	123.0	128.5	149.5	155.7	156.4
130°	107.7	110.9	127.5	135.2	136.7
132.5°	96.4	98.8	111.8	119.6	121.7
135°	86.7	89.1	99.3	107.8	108.5
137.5°	80.2	81.8	89.1	96.8	99.1
140°	73.7	76.1	80.5	88.4	89.0
142.5°	69.5	70.5	74.2	80.6	82.0
145°	66.2	66.4	67.9	72.9	75.1
147.5°	62.2	63.0	64.7	67.5	69.0
150°	59.7	60.5	60.0	62.2	63.5
152.5°	56.5	57.3	56.7	57.6	58.9
155°	54.1	54.9	54.3	55.1	55.1
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°	423.8	443.5	447.4	371.9	321.6
110°	388.2	409.3	424.2	402.2	362.5



(END OF REPORT)