

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: P828684

Luminaire Tested: **OHBL-30SE-NL-UNV-L950-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828684  
REPORT IS A COMBINATION OF REPORTS P826285 AND G3-2310-221-4  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-NL-UNV-L950-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

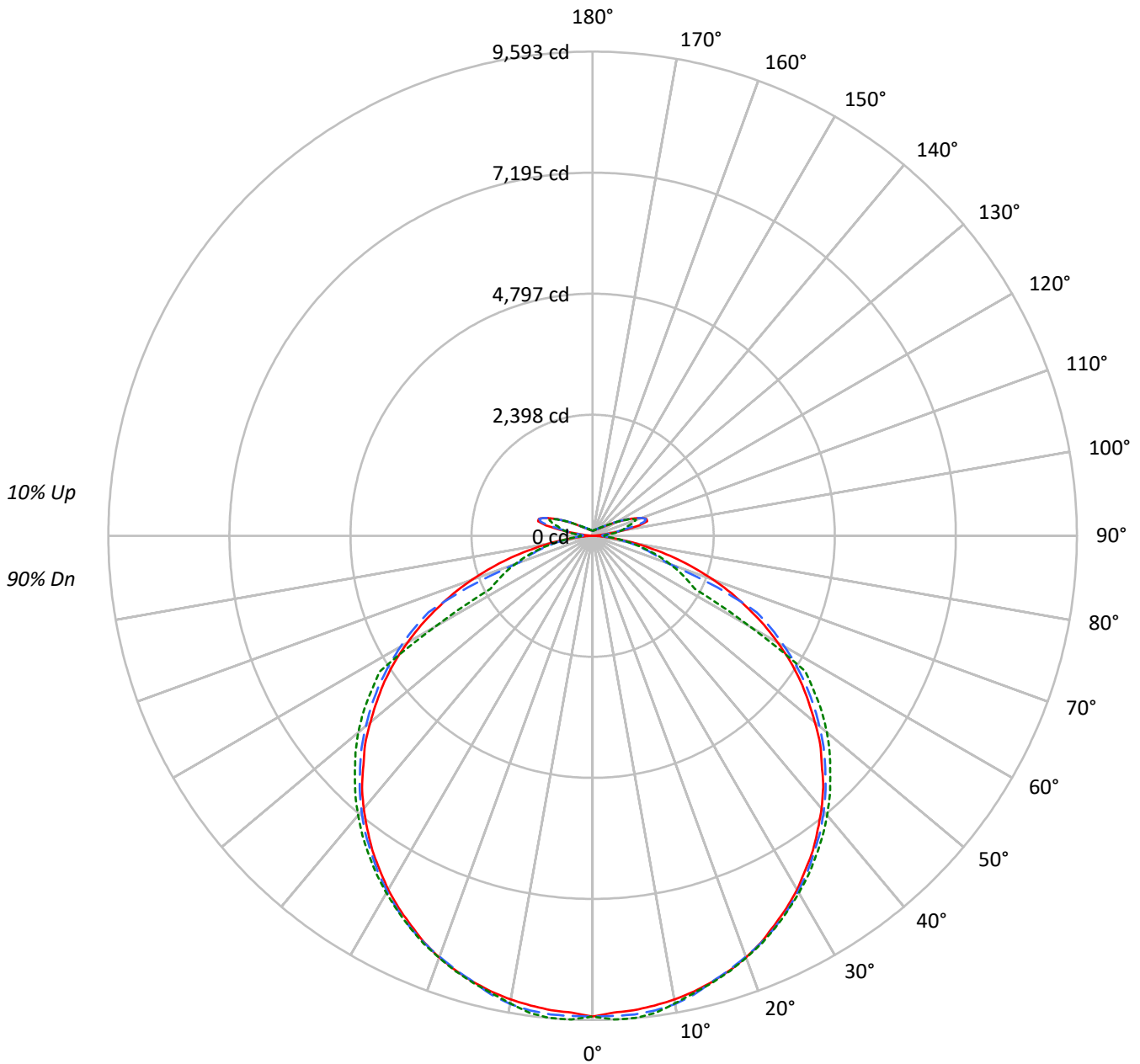
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29401.1 lumens  
Efficiency: N/A  
Efficacy: 149.1 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): 197.2  
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90																			
1	107	103	99	95	103	99	96	92	93	90	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	54																			
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	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	57	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	22																			

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

	0°	45°	90°
0°	16266	16266	16266
5°	16092	16236	16407
10°	16011	16160	16238
15°	15922	15914	16096
20°	15810	15780	16017
25°	15608	15680	15943
30°	15436	15506	15874
35°	15228	15300	15811
40°	14976	15105	15764
45°	14626	14831	15667
50°	14251	14523	15604
55°	13796	14132	15339
60°	13113	13555	11850
65°	12135	12813	7893
70°	10875	6588	7546
75°	9028	5953	7036
80°	6340	4980	6160
85°	2543	3991	5330



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	904.8	3.1
10°-20°	2590.6	8.8
20°-30°	3941.8	13.4
30°-40°	4792.6	16.3
40°-50°	5039.2	17.1
50°-60°	4601.4	15.7
60°-70°	2949.7	10.0
70°-80°	1393.4	4.7
80°-90°	392.0	1.3
90°-100°	308.1	1.0
100°-110°	958.5	3.3
110°-120°	773.8	2.6
120°-130°	361.5	1.2
130°-140°	182.3	0.6
140°-150°	106.5	0.4
150°-160°	62.4	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
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0°-30°	7437.1	25.3
0°-40°	12229.7	41.6
0°-60°	21870.4	74.4
0°-90°	26605.6	90.5
90°-120°	2040.5	6.9
90°-150°	2690.8	9.2
90°-180°	2796.0	9.5
0°-180°	29401.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9523	9523	9523	9523	9523	
5°	9435	9472	9520	9572	9592	897
15°	9149	9218	9147	9161	9167	2583
25°	8514	8527	8557	8571	8564	3929
35°	7610	7565	7652	7745	7724	4756
45°	6418	6407	6515	6669	6658	4961
55°	5030	4991	5160	5332	5346	4486
65°	3389	3389	3586	2057	2064	3360
75°	1674	1706	1108	1166	1171	1765
85°	219	277	346	374	354	323
90°	6	129	201	235	232	14
95°	54	148	232	303	314	182
105°	1119	1137	1060	802	708	1057
115°	775	778	783	781	755	774
125°	377	389	399	389	383	353
135°	222	226	231	236	236	175
145°	162	164	169	170	170	103
155°	130	132	134	136	136	61
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9523.4	9523.4	9523.4	9523.4	9523.4
2.5°	9456.5	9488.3	9523.4	9568.5	9593.4
5°	9434.8	9471.6	9520.1	9571.9	9591.9
7.5°	9388.1	9439.7	9486.6	9523.4	9535.1
10°	9329.5	9391.4	9418.2	9414.8	9406.4
12.5°	9251.0	9316.2	9307.9	9269.3	9276.1
15°	9149.1	9217.5	9147.4	9160.7	9167.4
17.5°	9028.7	9095.6	9013.7	9040.4	9042.1
20°	8888.4	8938.5	8875.0	8896.8	8896.8
22.5°	8719.7	8754.7	8728.0	8743.0	8746.4
25°	8514.0	8527.3	8557.4	8570.9	8564.1
27.5°	8317.0	8300.2	8358.8	8390.4	8373.6
30°	8097.9	8071.2	8139.7	8191.6	8171.6
32.5°	7847.3	7830.7	7909.2	7970.9	7959.2
35°	7610.0	7564.9	7651.8	7745.4	7723.6
37.5°	7329.2	7302.6	7401.1	7499.8	7488.1
40°	7055.2	7010.1	7122.1	7239.0	7227.3
42.5°	6761.1	6707.6	6829.7	6970.1	6956.7
45°	6418.5	6406.8	6515.4	6669.2	6657.5
47.5°	6114.5	6055.9	6207.9	6356.7	6370.2
50°	5746.7	5725.1	5863.8	6044.3	6057.5
52.5°	5387.5	5372.5	5517.8	5700.0	5723.4
55°	5029.8	4991.4	5160.2	5332.4	5345.8
57.5°	4647.4	4607.2	4779.3	4966.4	4994.8
60°	4237.8	4199.3	4388.2	4562.1	3627.9
62.5°	3828.3	3801.6	3998.9	2832.5	2282.8
65°	3388.9	3388.9	3585.9	2057.0	2063.8
67.5°	2977.9	2951.2	2673.8	1848.1	1848.1
70°	2536.7	2546.8	1540.7	1619.3	1620.9
72.5°	2093.9	2130.7	1330.2	1393.6	1396.9
75°	1674.4	1706.2	1107.8	1166.4	1171.4
77.5°	1229.9	945.8	890.6	935.9	937.5
80°	863.9	596.6	681.8	725.2	720.2
82.5°	504.5	417.7	499.6	531.5	529.7
85°	218.8	277.4	345.9	374.4	354.2
87.5°	70.1	172.2	215.4	232.3	230.5
90°	6.1	129.2	200.7	235.1	231.9
92.5°	18.3	117.7	191.1	237.6	240.9
95°	54.5	148.5	232.1	302.7	314.0
97.5°	306.0	335.9	339.3	420.4	457.7
100°	600.7	659.6	522.2	561.7	567.8
102.5°	950.8	983.3	781.1	674.3	649.9
105°	1118.6	1137.4	1059.6	802.2	707.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	900.4	910.7	916.6	900.3	867.5
115°	775.2	778.5	782.6	781.1	755.4
117.5°	646.9	651.2	653.0	646.0	639.0
120°	544.3	552.1	550.4	545.1	538.2
122.5°	454.7	467.8	472.1	462.5	454.7
125°	377.3	388.6	399.1	388.6	383.4
127.5°	320.0	327.8	335.6	334.7	330.4
130°	275.6	282.6	291.3	293.0	292.1
132.5°	245.2	251.3	257.4	260.0	259.1
135°	221.7	226.1	231.3	235.6	235.6
137.5°	200.8	206.9	211.3	214.8	214.8
140°	186.1	190.4	194.8	196.5	197.4
142.5°	173.0	176.5	180.8	182.6	183.5
145°	161.7	164.3	168.7	170.4	170.4
147.5°	151.3	154.8	158.2	160.0	160.0
150°	143.5	146.1	149.5	150.4	151.3
152.5°	136.5	138.2	140.8	142.6	142.6
155°	129.5	132.2	133.9	135.6	135.6
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1117.8	1141.7	1107.6	964.5	832.7
110°	1027.3	1050.5	1033.8	982.9	910.1



(END OF REPORT)