

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: P828685

Luminaire Tested: **OHBL-30SE-W-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828685  
REPORT IS A COMBINATION OF REPORTS P826130 AND G3-2310-221-10  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-W-UNV-L950-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

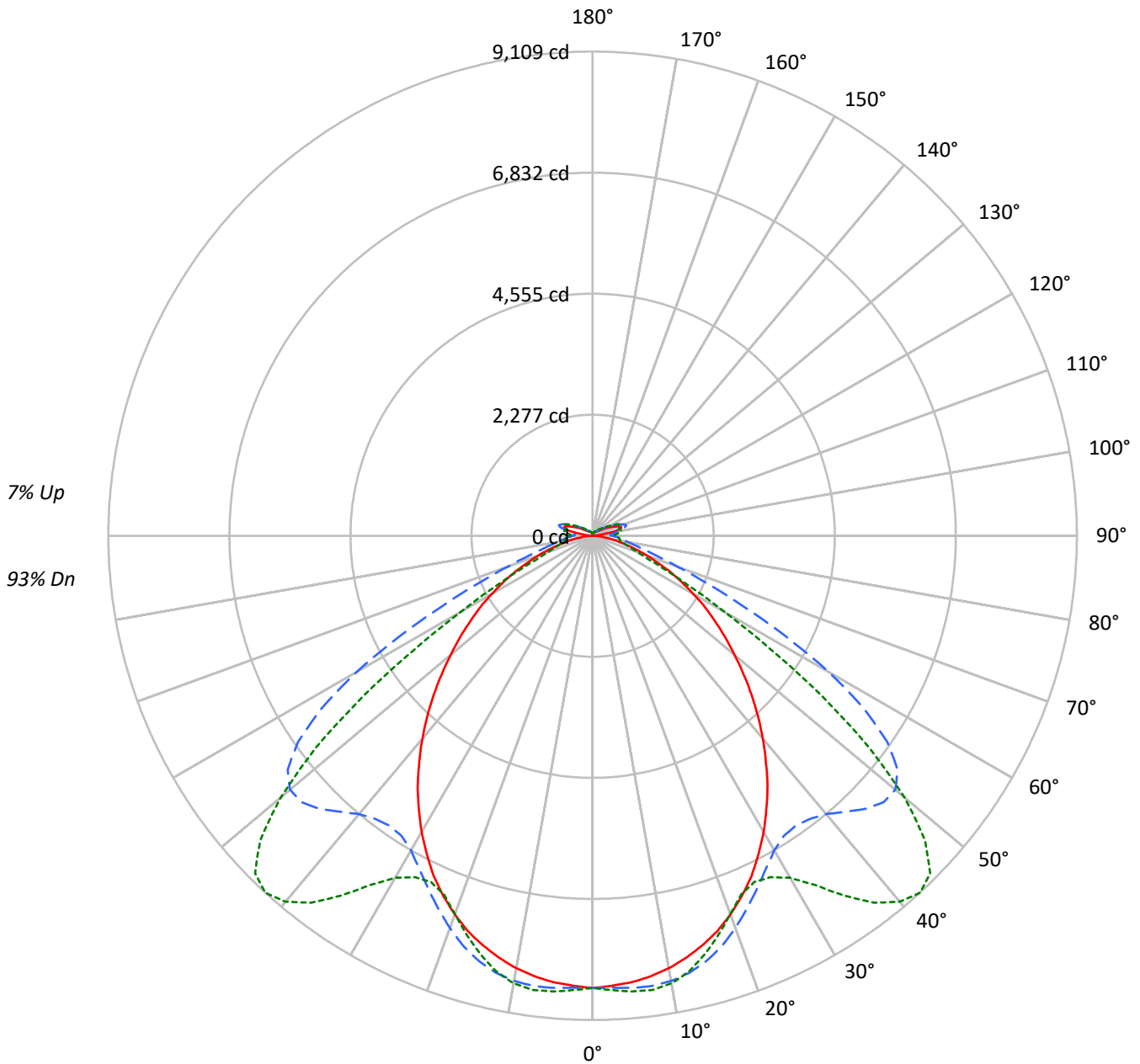
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26797.3 lumens  
Efficiency: N/A  
Efficacy: 145.4 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: Direct  
  
Input Watts (W): 184.3  
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									
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	96	93	95	92	89	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	22																			

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

	0°	45°	90°
0°	14533	14533	14533
5°	14327	14512	14698
10°	14079	14490	14716
15°	13736	14251	14244
20°	13293	13761	13546
25°	12726	13168	13275
30°	11997	12727	14285
35°	11179	12962	16716
40°	10245	14038	19325
45°	9275	15923	20772
50°	8272	17607	19330
55°	7328	17585	14770
60°	6371	14876	9030
65°	5370	10271	5470
70°	4257	6640	3950
75°	3123	4757	3662
80°	2109	4177	4132
85°	1259	4586	6530



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	813.1	3.0
10°-20°	2302.5	8.6
20°-30°	3369.2	12.6
30°-40°	4375.7	16.3
40°-50°	5343.2	19.9
50°-60°	4705.6	17.6
60°-70°	2452.1	9.2
70°-80°	1051.5	3.9
80°-90°	508.3	1.9
90°-100°	363.9	1.4
100°-110°	586.2	2.2
110°-120°	464.2	1.7
120°-130°	228.3	0.9
130°-140°	114.2	0.4
140°-150°	63.9	0.2
150°-160°	34.6	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	6484.8	24.2
0°-40°	10860.5	40.5
0°-60°	20909.3	78.0
0°-90°	24921.3	93.0
90°-120°	1414.2	5.3
90°-150°	1820.7	6.8
90°-180°	1876.0	7.0
0°-180°	26797.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8509	8509	8509	8509	8509	
5°	8430	8494	8540	8615	8606	799
15°	7976	8200	8279	8217	8151	2246
25°	7068	7446	7319	7181	7189	3243
35°	5737	6342	6660	7767	8264	3576
45°	4224	5314	7264	8795	8979	3257
55°	2812	4655	6765	5931	5272	2524
65°	1614	3225	3097	1722	1481	1596
75°	650	1509	995	681	646	709
85°	138	538	507	496	501	154
90°	4	214	359	415	428	11
95°	28	176	359	436	465	89
105°	558	607	635	534	511	529
115°	390	416	489	511	507	394
125°	196	212	262	278	279	184
135°	120	123	144	166	169	95
145°	94	92	96	108	112	59
155°	78	79	77	77	78	34
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8508.6	8508.6	8508.6	8508.6	8508.6
2.5°	8472.0	8508.6	8510.5	8561.9	8556.4
5°	8429.7	8494.0	8539.9	8615.2	8605.9
7.5°	8360.0	8460.9	8541.7	8624.4	8617.0
10°	8260.9	8398.5	8505.0	8572.9	8550.9
12.5°	8132.3	8314.1	8418.7	8433.4	8391.2
15°	7976.3	8200.3	8279.2	8216.8	8150.7
17.5°	7800.0	8062.6	8090.1	7954.3	7871.7
20°	7579.8	7879.0	7851.5	7664.2	7572.4
22.5°	7335.6	7677.1	7588.9	7392.5	7304.5
25°	7067.6	7445.7	7319.1	7181.4	7188.7
27.5°	6753.7	7183.3	7060.2	7122.7	7240.2
30°	6434.3	6907.9	6832.6	7196.1	7427.4
32.5°	6083.7	6625.2	6693.2	7410.9	7789.1
35°	5736.7	6342.5	6660.1	7767.0	8264.5
37.5°	5353.0	6056.1	6713.3	8178.3	8699.6
40°	4980.4	5777.1	6834.4	8547.2	8987.8
42.5°	4600.4	5527.4	7038.2	8765.7	9109.0
45°	4224.0	5314.5	7264.0	8795.0	8978.7
47.5°	3847.7	5134.6	7420.1	8561.9	8477.4
50°	3484.2	4974.9	7431.1	8002.0	7656.8
52.5°	3144.6	4828.0	7229.2	7109.8	6573.8
55°	2812.4	4655.4	6764.7	5931.3	5272.2
57.5°	2509.5	4416.8	6048.8	4664.7	3945.0
60°	2188.2	4093.7	5123.5	3412.7	2845.4
62.5°	1892.7	3691.7	4086.4	2375.4	2045.0
65°	1613.6	3225.4	3096.9	1721.9	1481.4
67.5°	1318.1	2742.6	2285.5	1255.7	1101.4
70°	1086.7	2294.6	1701.8	976.6	886.7
72.5°	850.0	1868.8	1272.2	793.0	743.5
75°	649.8	1509.0	995.0	681.0	646.2
77.5°	479.2	1193.2	800.4	602.1	569.1
80°	336.0	939.9	670.1	537.8	525.1
82.5°	225.8	726.9	570.9	512.2	514.0
85°	137.7	537.8	506.6	495.7	501.1
87.5°	66.1	381.9	435.1	451.6	457.1
90°	4.4	213.7	359.3	414.9	428.4
92.5°	8.7	173.0	333.7	397.1	415.0
95°	28.0	176.4	359.3	435.5	464.7
97.5°	148.0	256.2	416.0	490.7	511.8
100°	298.5	397.2	472.9	531.8	543.4
102.5°	476.7	527.1	527.4	533.8	532.4
105°	557.7	606.8	635.1	534.4	511.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	453.6	492.7	562.0	572.0	560.0
115°	390.1	415.8	489.1	511.1	507.0
117.5°	338.0	356.5	420.6	440.8	440.9
120°	284.1	302.3	356.4	376.6	377.6
122.5°	237.2	253.3	307.2	324.8	325.8
125°	196.3	212.2	261.5	278.1	279.1
127.5°	167.5	175.5	222.8	241.1	241.3
130°	146.7	151.0	189.3	208.5	212.1
132.5°	131.9	135.4	165.4	184.6	189.2
135°	119.7	123.2	144.2	166.1	168.8
137.5°	111.0	112.8	129.0	148.3	152.8
140°	102.3	104.9	114.9	134.1	136.8
142.5°	98.1	98.0	105.2	121.6	123.5
145°	93.8	91.9	95.5	108.2	111.9
147.5°	89.5	89.4	91.1	98.4	101.1
150°	85.1	86.9	84.1	88.6	92.2
152.5°	81.6	82.5	80.6	80.6	85.1
155°	78.2	79.0	77.1	77.1	78.0
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	559.6	608.2	664.6	578.4	518.6
110°	517.0	561.7	625.3	610.4	560.1



(END OF REPORT)