

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: P828085

Luminaire Tested: **OHBL-30SE-W-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828085  
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-L935-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

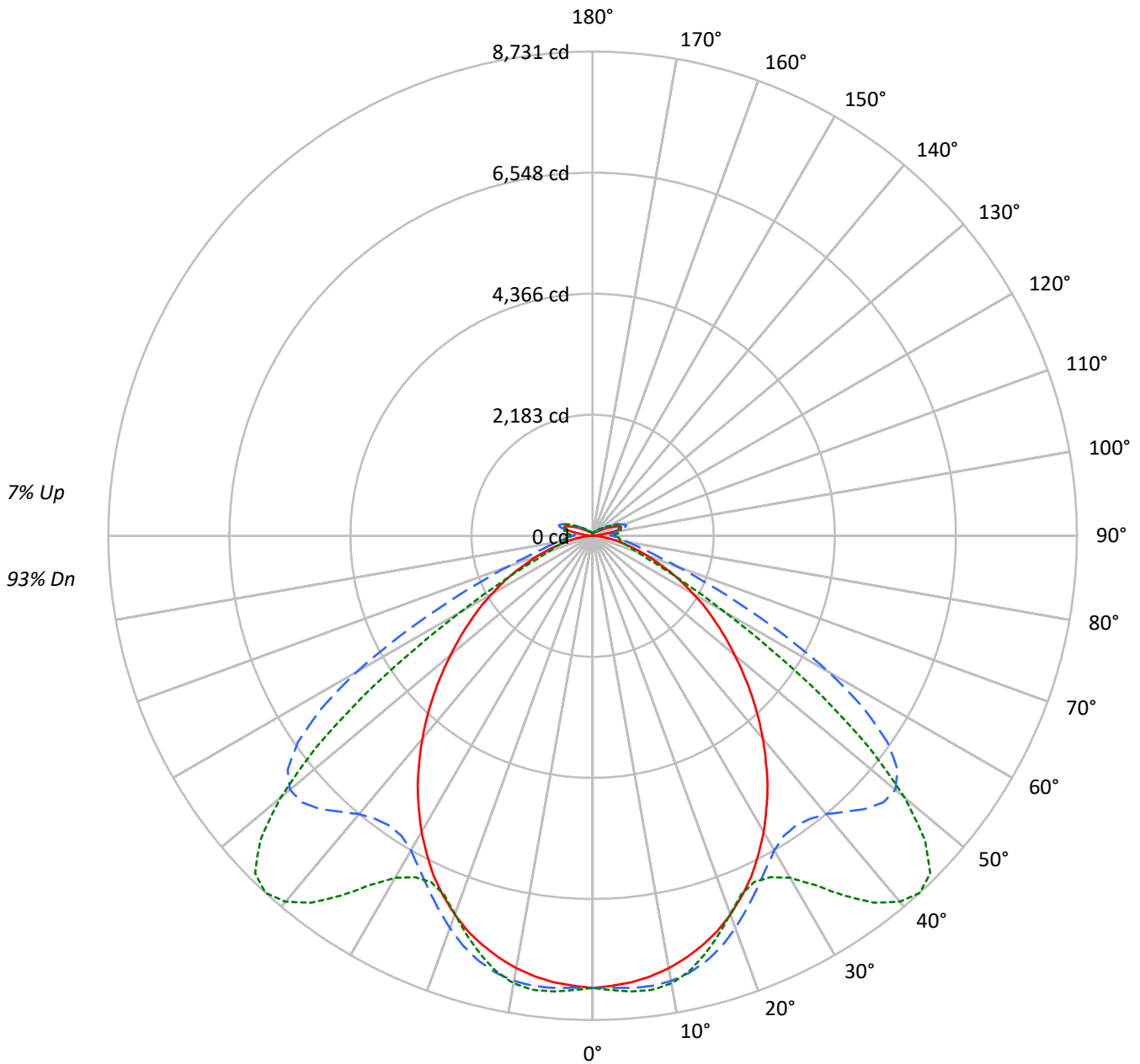
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25684.4 lumens  
Efficiency: N/A  
Efficacy: 139.4 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°	13929	13929	13929
5°	13732	13910	14088
10°	13494	13888	14105
15°	13165	13659	13653
20°	12741	13189	12984
25°	12197	12621	12723
30°	11499	12198	13692
35°	10714	12424	16022
40°	9819	13455	18522
45°	8890	15262	19909
50°	7929	16876	18527
55°	7024	16855	14156
60°	6106	14259	8655
65°	5147	9845	5243
70°	4080	6364	3785
75°	2993	4560	3509
80°	2021	4004	3959
85°	1207	4396	6259



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	779.3	3.0
10°-20°	2206.8	8.6
20°-30°	3229.3	12.6
30°-40°	4193.9	16.3
40°-50°	5121.3	19.9
50°-60°	4510.1	17.6
60°-70°	2350.3	9.2
70°-80°	1007.9	3.9
80°-90°	487.2	1.9
90°-100°	348.8	1.4
100°-110°	561.8	2.2
110°-120°	444.9	1.7
120°-130°	218.8	0.9
130°-140°	109.5	0.4
140°-150°	61.3	0.2
150°-160°	33.2	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	6215.5	24.2
0°-40°	10409.4	40.5
0°-60°	20040.9	78.0
0°-90°	23886.2	93.0
90°-120°	1355.5	5.3
90°-150°	1745.1	6.8
90°-180°	1798.0	7.0
0°-180°	25684.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8155	8155	8155	8155	8155	
5°	8080	8141	8185	8257	8248	766
15°	7645	7860	7935	7876	7812	2153
25°	6774	7136	7015	6883	6890	3109
35°	5498	6079	6384	7444	7921	3427
45°	4049	5094	6962	8430	8606	3122
55°	2696	4462	6484	5685	5053	2419
65°	1547	3091	2968	1650	1420	1530
75°	623	1446	954	653	619	679
85°	132	516	486	475	480	147
90°	4	205	344	398	411	11
95°	27	169	344	417	445	86
105°	534	582	609	512	490	507
115°	374	398	469	490	486	378
125°	188	203	251	267	268	177
135°	115	118	138	159	162	91
145°	90	88	92	104	107	57
155°	75	76	74	74	75	33
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8155.2	8155.2	8155.2	8155.2	<i>8155.2</i>
2.5°	8120.1	8155.2	8157.0	8206.3	<i>8201.0</i>
5°	8079.6	8141.2	8185.2	8257.3	<i>8248.5</i>
7.5°	8012.8	8109.5	8186.9	8266.2	<i>8259.1</i>
10°	7917.8	8049.7	8151.8	8216.8	<i>8195.8</i>
12.5°	7794.6	7968.8	8069.1	8083.2	<i>8042.7</i>
15°	7645.0	7859.7	7935.3	7875.5	<i>7812.2</i>
17.5°	7476.1	7727.8	7754.1	7623.9	<i>7544.8</i>
20°	7265.0	7551.8	7525.4	7345.9	<i>7257.9</i>
22.5°	7030.9	7358.2	7273.8	7085.5	<i>7001.1</i>
25°	6774.1	7136.5	7015.1	6883.2	<i>6890.2</i>
27.5°	6473.2	6884.9	6767.0	6826.8	<i>6939.5</i>
30°	6167.1	6621.0	6548.8	6897.3	<i>7118.9</i>
32.5°	5831.0	6350.0	6415.2	7103.1	<i>7465.6</i>
35°	5498.4	6079.1	6383.5	7444.4	<i>7921.2</i>
37.5°	5130.7	5804.6	6434.5	7838.6	<i>8338.2</i>
40°	4773.5	5537.2	6550.6	8192.3	<i>8614.5</i>
42.5°	<i>4409.3</i>	<i>5297.8</i>	<i>6745.9</i>	<i>8401.6</i>	<i>8730.7</i>
45°	4048.6	5093.8	6962.3	8429.8	<i>8605.8</i>
47.5°	3687.9	4921.3	7111.9	8206.3	<i>8125.3</i>
50°	3339.5	4768.2	7122.4	7669.7	<i>7338.8</i>
52.5°	3014.0	4627.5	6928.9	6814.5	<i>6300.8</i>
55°	2695.6	4462.1	6483.8	5684.9	<i>5053.2</i>
57.5°	2405.3	4233.3	5797.6	4470.9	<i>3781.2</i>
60°	2097.3	3923.7	4910.8	3270.9	<i>2727.2</i>
62.5°	1814.1	3538.3	3916.7	2276.8	<i>1960.1</i>
65°	1546.6	3091.4	2968.2	1650.4	<i>1419.9</i>
67.5°	1263.3	2628.7	2190.6	1203.5	<i>1055.7</i>
70°	1041.6	2199.3	1631.1	936.1	<i>849.8</i>
72.5°	814.7	1791.2	1219.3	760.1	<i>712.6</i>
75°	622.8	1446.3	953.7	652.8	<i>619.3</i>
77.5°	459.3	1143.7	767.2	577.1	<i>545.4</i>
80°	322.0	900.8	642.3	515.5	<i>503.2</i>
82.5°	216.4	696.8	547.2	490.9	<i>492.7</i>
85°	132.0	515.5	485.6	475.1	<i>480.3</i>
87.5°	63.3	366.0	417.0	432.8	<i>438.1</i>
90°	4.2	204.8	344.4	397.7	<i>410.6</i>
92.5°	8.3	165.8	319.8	380.6	<i>397.8</i>
95°	26.8	169.1	344.3	417.4	<i>445.4</i>
97.5°	141.8	245.6	398.8	470.3	<i>490.6</i>
100°	286.1	380.8	453.2	509.8	<i>520.8</i>
102.5°	456.9	505.2	505.5	511.7	<i>510.2</i>
105°	534.5	581.6	608.8	512.2	<i>489.8</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	434.8	472.3	538.7	548.2	536.8
115°	373.9	398.5	468.8	489.9	485.9
117.5°	324.0	341.7	403.1	422.5	422.6
120°	272.3	289.8	341.6	361.0	361.9
122.5°	227.3	242.8	294.4	311.3	312.2
125°	188.2	203.4	250.7	266.6	267.5
127.5°	160.6	168.2	213.5	231.1	231.2
130°	140.6	144.8	181.4	199.8	203.3
132.5°	126.4	129.8	158.5	176.9	181.3
135°	114.8	118.1	138.2	159.2	161.8
137.5°	106.4	108.1	123.7	142.2	146.5
140°	98.1	100.6	110.1	128.5	131.1
142.5°	94.0	93.9	100.8	116.6	118.3
145°	89.9	88.1	91.5	103.7	107.2
147.5°	85.8	85.7	87.3	94.3	96.9
150°	81.6	83.3	80.6	84.9	88.4
152.5°	78.3	79.1	77.2	77.2	81.6
155°	74.9	75.8	73.9	73.9	74.8
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	536.3	582.9	637.0	554.4	497.1
110°	495.5	538.3	599.3	585.0	536.8



(END OF REPORT)