

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: P826585

Luminaire Tested: **OHBL-30SE-W-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P826585  
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-L830-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

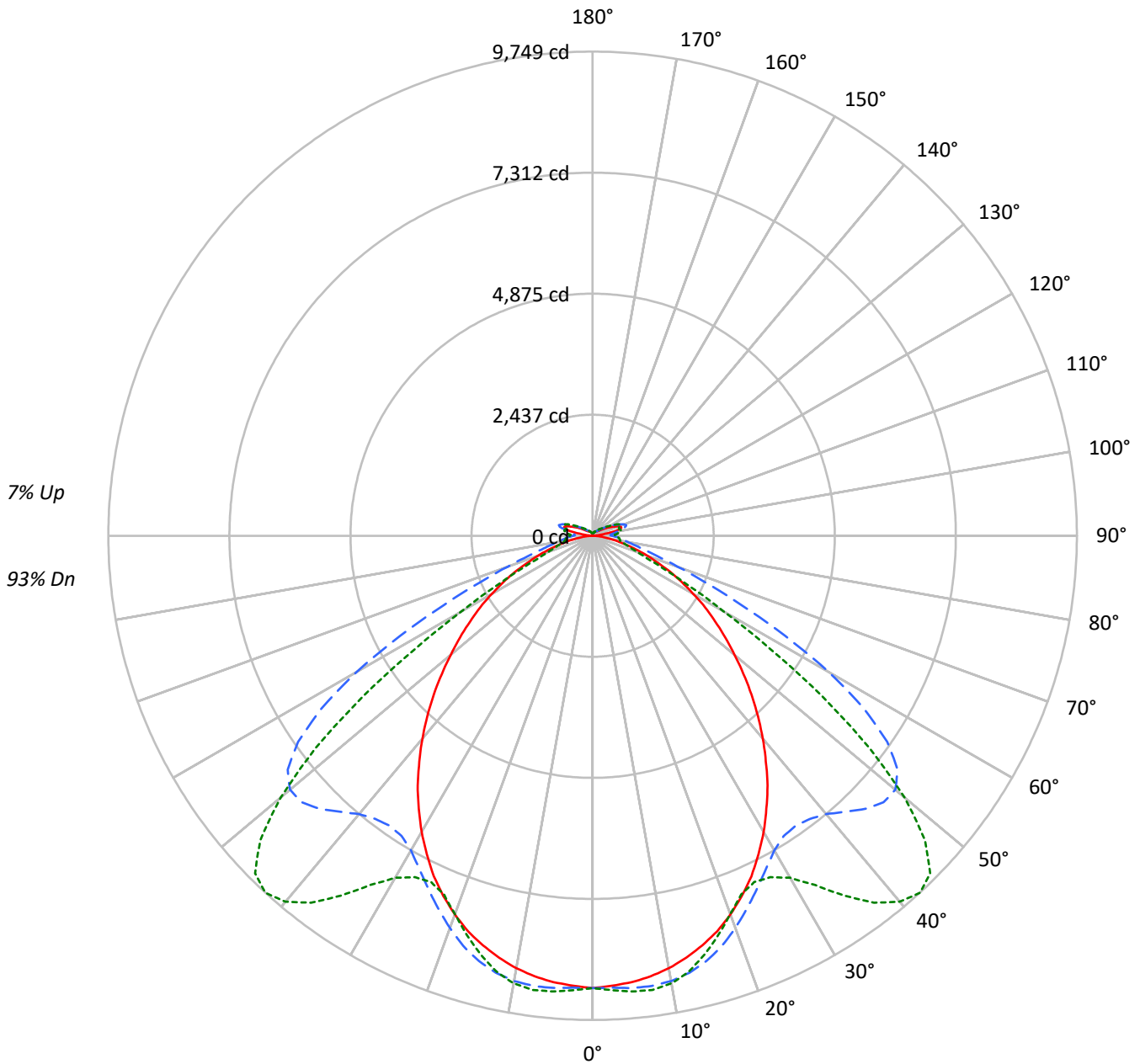
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28680.8 lumens  
Efficiency: N/A  
Efficacy: 155.6 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				20				
RC	80				70				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	96	96	96	93
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	81	81	81	79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	69	69	69	66
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	58	58	58	56
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	50	50	50	48
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	43	43	43	41
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	38	38	38	36
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	33	33	33	31
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	30	30	30	28
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	27	27	27	25
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	24	24	24	22

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

	0°	45°	90°
0°	15554	15554	15554
5°	15335	15532	15731
10°	15068	15509	15750
15°	14701	15252	15245
20°	14228	14728	14498
25°	13620	14093	14208
30°	12840	13621	15289
35°	11964	13873	17891
40°	10965	15025	20683
45°	9927	17043	22232
50°	8853	18845	20688
55°	7843	18821	15808
60°	6819	15922	9665
65°	5747	10993	5855
70°	4556	7106	4227
75°	3342	5091	3919
80°	2257	4471	4422
85°	1348	4909	6990



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	870.2	3.0
10°-20°	2464.3	8.6
20°-30°	3606.1	12.6
30°-40°	4683.2	16.3
40°-50°	5718.8	19.9
50°-60°	5036.3	17.6
60°-70°	2624.4	9.2
70°-80°	1125.5	3.9
80°-90°	544.0	1.9
90°-100°	389.5	1.4
100°-110°	627.4	2.2
110°-120°	496.8	1.7
120°-130°	244.4	0.9
130°-140°	122.3	0.4
140°-150°	68.4	0.2
150°-160°	37.1	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	6940.6	24.2
0°-40°	11623.8	40.5
0°-60°	22378.9	78.0
0°-90°	26672.9	93.0
90°-120°	1513.6	5.3
90°-150°	1948.7	6.8
90°-180°	2008.0	7.0
0°-180°	28680.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9107	9107	9107	9107	9107	
5°	9022	9091	9140	9221	9211	856
15°	8537	8777	8861	8794	8724	2404
25°	7564	7969	7834	7686	7694	3471
35°	6140	6788	7128	8313	8845	3827
45°	4521	5688	7775	9413	9610	3486
55°	3010	4983	7240	6348	5643	2701
65°	1727	3452	3314	1843	1586	1709
75°	696	1615	1065	729	692	758
85°	147	576	542	530	536	164
90°	5	229	385	444	458	12
95°	30	189	384	466	497	96
105°	597	649	680	572	547	566
115°	418	445	523	547	543	422
125°	210	227	280	298	299	197
135°	128	132	154	178	181	101
145°	100	98	102	116	120	63
155°	84	85	82	82	84	37
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9106.7	9106.7	9106.7	9106.7	9106.7
2.5°	9067.4	9106.7	9108.6	9163.7	9157.8
5°	9022.2	9091.0	9140.1	9220.7	9210.8
7.5°	8947.6	9055.6	9142.1	9230.6	9222.6
10°	8841.5	8988.8	9102.8	9175.5	9151.9
12.5°	8704.0	8898.4	9010.5	9026.2	8981.0
15°	8536.9	8776.6	8861.1	8794.3	8723.6
17.5°	8348.3	8629.3	8658.7	8513.4	8425.0
20°	8112.6	8432.8	8403.4	8202.9	8104.7
22.5°	7851.2	8216.7	8122.4	7912.1	7817.9
25°	7564.4	7969.1	7833.5	7686.2	7694.0
27.5°	7228.4	7688.2	7556.5	7623.3	7749.1
30°	6886.6	7393.4	7312.9	7701.9	7949.5
32.5°	6511.3	7090.8	7163.6	7931.8	8336.6
35°	6139.9	6788.3	7128.2	8312.9	8845.4
37.5°	5729.2	6481.8	7185.2	8753.1	9311.0
40°	5330.4	6183.2	7314.8	9148.0	9619.5
42.5°	4923.8	5915.9	7532.9	9381.8	9749.2
45°	4520.9	5688.0	7774.6	9413.2	9609.8
47.5°	4118.2	5495.5	7941.6	9163.7	9073.3
50°	3729.1	5324.5	7953.4	8564.5	8195.0
52.5°	3365.6	5167.4	7737.3	7609.5	7035.8
55°	3010.1	4982.7	7240.2	6348.2	5642.8
57.5°	2685.9	4727.2	6474.0	4992.5	4222.3
60°	2342.0	4381.4	5483.7	3652.5	3045.4
62.5°	2025.7	3951.1	4373.6	2542.4	2188.8
65°	1727.0	3452.1	3314.5	1843.0	1585.6
67.5°	1410.7	2935.3	2446.2	1343.9	1178.8
70°	1163.1	2455.9	1821.4	1045.3	949.0
72.5°	909.7	2000.1	1361.6	848.8	795.7
75°	695.5	1615.1	1064.9	728.9	691.6
77.5°	512.8	1277.1	856.7	644.4	609.0
80°	359.6	1005.9	717.2	575.6	562.0
82.5°	241.7	778.0	611.0	548.2	550.1
85°	147.4	575.6	542.2	530.5	536.4
87.5°	70.7	408.7	465.6	483.3	489.2
90°	4.7	228.7	384.6	444.1	458.5
92.5°	9.3	185.2	357.1	425.0	444.2
95°	30.0	188.8	384.5	466.1	497.4
97.5°	158.4	274.2	445.3	525.2	547.8
100°	319.5	425.2	506.1	569.2	581.6
102.5°	510.2	564.2	564.5	571.4	569.8
105°	596.9	649.4	679.8	571.9	547.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	485.5	527.3	601.5	612.2	599.4
115°	417.5	445.0	523.4	547.1	542.6
117.5°	361.8	381.5	450.1	471.8	471.9
120°	304.1	323.6	381.4	403.1	404.1
122.5°	253.9	271.1	328.8	347.7	348.7
125°	210.1	227.1	279.9	297.7	298.7
127.5°	179.3	187.8	238.4	258.0	258.2
130°	157.0	161.6	202.6	223.1	227.1
132.5°	141.2	144.9	177.0	197.6	202.5
135°	128.1	131.9	154.3	177.7	180.6
137.5°	118.8	120.7	138.1	158.8	163.6
140°	109.5	112.3	122.9	143.5	146.4
142.5°	105.0	104.9	112.6	130.2	132.1
145°	100.4	98.4	102.2	115.8	119.8
147.5°	95.8	95.7	97.5	105.3	108.2
150°	91.1	93.0	90.0	94.8	98.7
152.5°	87.4	88.3	86.3	86.3	91.1
155°	83.7	84.6	82.5	82.5	83.5
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	598.9	650.9	711.3	619.1	555.1
110°	553.3	601.1	669.3	653.2	599.5



(END OF REPORT)