

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: P827781

Luminaire Tested: **OHBL-30SE-N-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827781  
REPORT IS A COMBINATION OF REPORTS P826128 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-N-UNV-L930-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

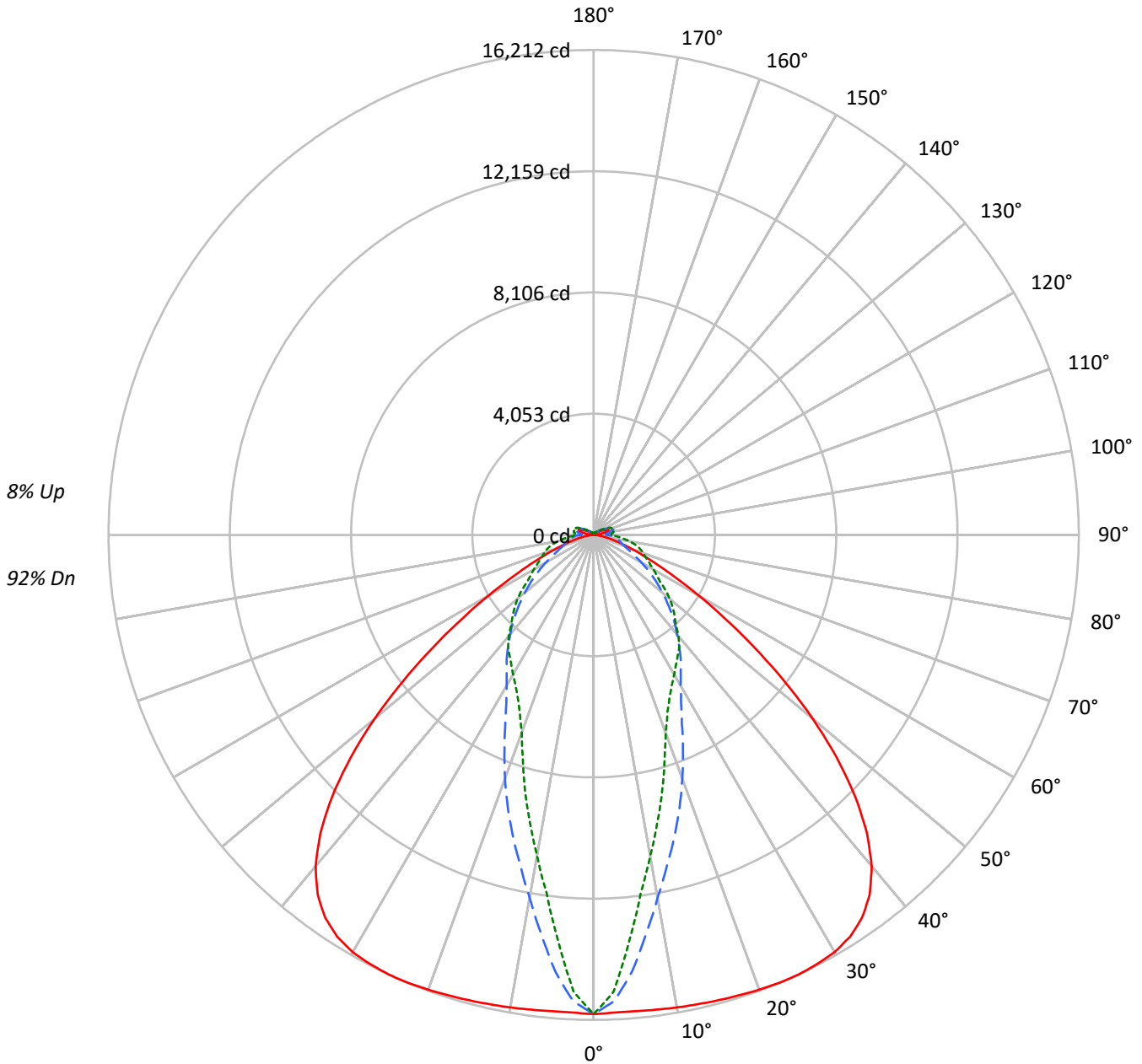
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24865.4 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
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	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	108	103	99	96	104	100	97	93	94	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	39	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

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

	0°	45°	90°
0°	27354	27354	27354
5°	27166	24911	23274
10°	27339	20983	18753
15°	27735	17946	15469
20°	28368	15174	12576
25°	29191	12560	11079
30°	30026	10820	10351
35°	30459	9861	9924
40°	29730	8907	9481
45°	27134	8049	8848
50°	22683	7111	8381
55°	17046	6229	7541
60°	11783	5342	7319
65°	7786	4601	7294
70°	5189	4317	7842
75°	3472	4453	8689
80°	2248	4931	9512
85°	1157	6168	11341



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1348.2	5.4
10°-20°	3171.5	12.8
20°-30°	3975.4	16.0
30°-40°	4218.4	17.0
40°-50°	3814.1	15.3
50°-60°	2765.5	11.1
60°-70°	1735.5	7.0
70°-80°	1148.5	4.6
80°-90°	664.7	2.7
90°-100°	438.3	1.8
100°-110°	629.1	2.5
110°-120°	487.0	2.0
120°-130°	234.3	0.9
130°-140°	114.5	0.5
140°-150°	65.4	0.3
150°-160°	35.7	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	8495.1	34.2
0°-40°	12713.5	51.1
0°-60°	19293.0	77.6
0°-90°	22841.7	91.9
90°-120°	1554.4	6.3
90°-150°	1968.7	7.9
90°-180°	2024.0	8.1
0°-180°	24865.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16016	16016	16016	16016	16016	
5°	15984	15574	14659	13979	13627	###
15°	16106	13127	10426	9272	8851	4567
25°	16212	10150	6981	6196	6000	7490
35°	15631	6748	5067	4908	4907	9717
45°	12357	4274	3672	3760	3824	9414
55°	6542	2649	2396	2599	2692	5911
65°	2340	1536	1387	1777	1976	2435
75°	722	828	931	1446	1533	805
85°	126	343	681	948	870	152
90°	2	161	418	587	596	10
95°	29	159	434	587	627	86
105°	524	572	683	639	623	497
115°	369	400	526	567	565	372
125°	189	205	272	293	291	177
135°	116	122	145	168	168	92
145°	92	95	100	114	112	58
155°	77	83	86	87	85	33
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16015.5	16015.5	16015.5	16015.5	16015.5
2.5°	15982.0	15890.5	15605.5	15431.7	15285.4
5°	15983.5	15573.5	14658.9	13979.1	13627.0
7.5°	16006.4	15094.9	13447.1	12454.8	12067.7
10°	16041.5	14501.9	12316.1	11258.3	10897.0
12.5°	16067.3	13834.3	11320.8	10234.0	9837.7
15°	16105.5	13127.0	10426.0	9272.1	8851.4
17.5°	16140.5	12460.9	9542.0	8336.3	7868.3
20°	16175.6	11743.0	8657.9	7415.6	7029.9
22.5°	16209.1	10985.4	7795.2	6700.7	6437.0
25°	16212.2	10150.2	6981.2	6196.2	5999.5
27.5°	16172.5	9284.4	6321.2	5773.9	5652.0
30°	16103.9	8444.5	5809.0	5469.1	5382.2
32.5°	15933.2	7587.8	5412.7	5174.9	5124.6
35°	15631.4	6748.0	5066.7	4908.1	4906.7
37.5°	15155.8	6002.6	4691.7	4664.2	4697.8
40°	14453.2	5350.2	4336.5	4409.7	4409.7
42.5°	13515.7	4783.2	4014.9	4089.6	4069.8
45°	12357.2	4274.1	3671.9	3760.4	3824.4
47.5°	11014.4	3825.9	3321.4	3492.1	3580.5
50°	9554.1	3399.1	3001.3	3219.3	3319.8
52.5°	8023.8	3004.3	2688.8	2938.8	3019.6
55°	6542.2	2649.2	2396.1	2598.9	2691.8
57.5°	5200.8	2310.8	2109.6	2301.6	2493.7
60°	4046.9	2019.6	1839.8	2114.2	2306.3
62.5°	3091.2	1760.6	1586.8	1938.9	2130.9
65°	2339.7	1536.5	1387.1	1777.3	1975.5
67.5°	1763.6	1342.9	1231.6	1659.9	1853.5
70°	1324.6	1155.4	1106.6	1586.8	1760.6
72.5°	978.6	983.2	1007.5	1522.7	1655.4
75°	722.5	827.7	931.4	1446.5	1533.4
77.5°	516.8	686.0	862.7	1355.1	1385.6
80°	358.2	559.4	791.1	1234.6	1208.8
82.5°	224.1	448.1	727.1	1102.1	1030.4
85°	126.5	343.0	681.3	948.1	870.3
87.5°	56.4	256.1	596.0	739.3	690.5
90°	2.4	161.1	418.2	587.1	595.7
92.5°	11.2	141.5	401.5	560.8	584.2
95°	28.7	158.8	434.0	587.3	627.3
97.5°	141.8	239.6	491.1	629.0	661.8
100°	281.5	373.5	542.0	657.7	678.7
102.5°	448.8	496.7	588.7	648.7	656.0
105°	523.9	571.5	683.0	639.3	623.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	426.7	468.9	600.3	636.1	629.2
115°	369.2	399.7	526.4	567.4	564.8
117.5°	320.6	341.8	453.3	489.8	489.7
120°	270.5	292.1	384.3	414.7	413.9
122.5°	226.8	245.5	325.8	349.3	346.9
125°	188.8	204.7	272.0	293.3	290.9
127.5°	162.2	171.0	227.7	249.0	246.0
130°	142.8	149.9	191.4	213.6	213.6
132.5°	127.6	133.9	165.4	187.5	188.3
135°	116.3	122.5	144.8	167.7	168.5
137.5°	108.2	114.4	129.8	150.4	151.2
140°	100.2	105.6	117.1	136.3	137.1
142.5°	95.9	99.1	106.9	123.7	123.7
145°	91.8	95.0	99.7	113.5	112.0
147.5°	87.8	92.5	95.6	103.2	102.5
150°	83.7	90.0	90.8	96.1	94.7
152.5°	80.5	85.9	87.5	90.6	89.9
155°	77.3	82.7	85.8	87.4	85.1
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	523.9	575.0	706.2	665.7	617.3
110°	485.8	532.5	667.0	682.2	642.7



(END OF REPORT)