

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: P827778

Luminaire Tested: **OHBL-30SE-MCL-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P827778  
REPORT IS A COMBINATION OF REPORTS P826282 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-MCL-UNV-L930-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

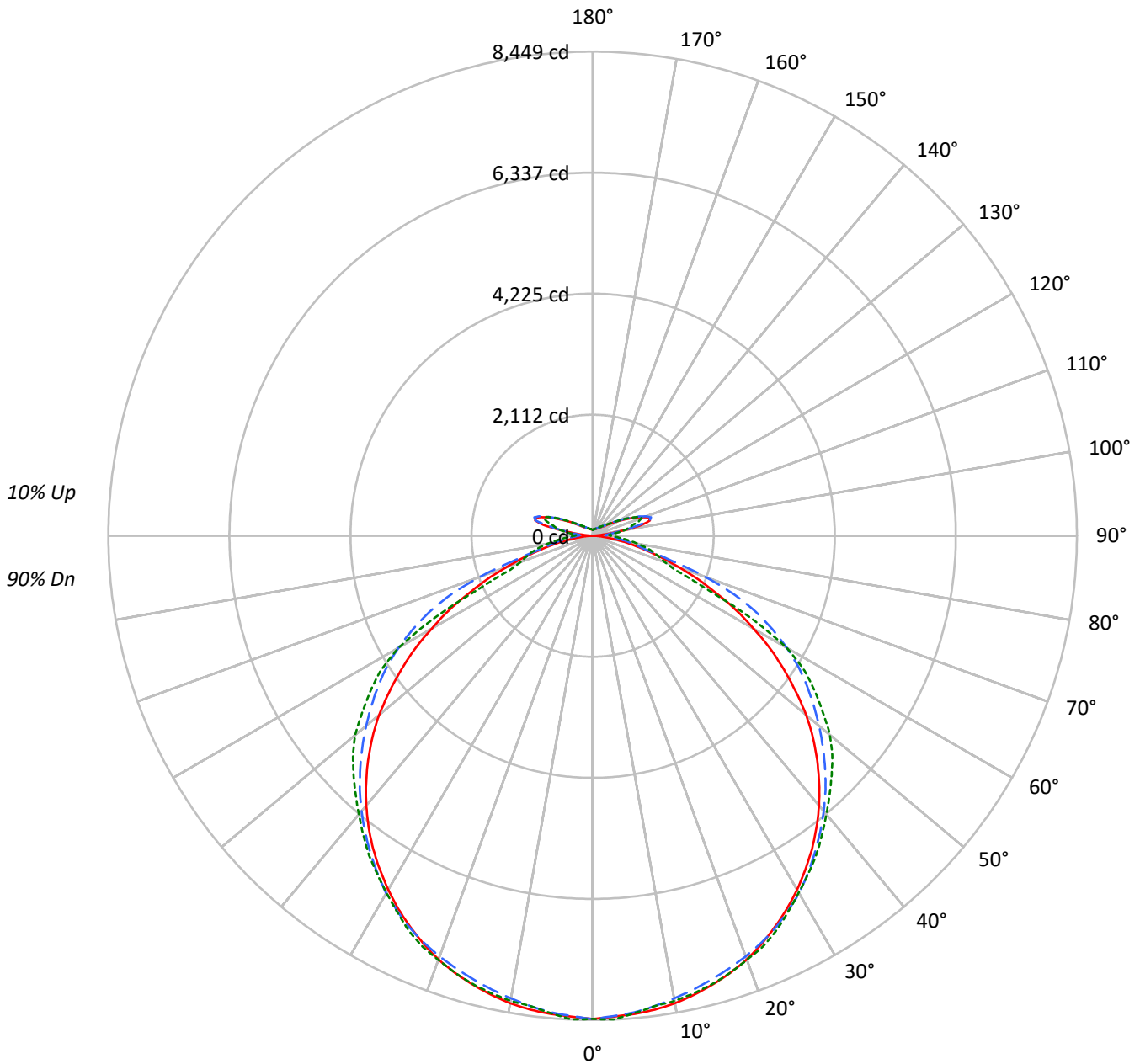
Lumens per Lamp: N/A  
Luminaire Lumens: 26308.0 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Semi-Direct

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				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	113	113	113	113	105	105	105	99	99	99	92	92	92	92	92	92	90
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	78	78	78	76
2	97	89	83	77	94	87	81	76	81	76	72	77	73	69	72	69	66	66	66	66	63
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	56	56	56	54
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	48	48	48	46
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	42	42	42	40
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	37	37	37	35
7	64	51	42	36	61	49	41	36	47	40	35	45	38	34	42	37	33	33	33	33	31
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	29	29	29	27
9	55	42	34	29	53	41	34	28	39	32	28	38	31	27	36	30	26	26	26	26	24
10	52	39	31	26	50	38	31	26	36	30	25	35	29	24	33	28	24	24	24	24	22

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

	0°	45°	90°
0°	14401	14401	14401
5°	14238	14186	14282
10°	14117	13965	14183
15°	13958	13798	14149
20°	13797	13690	14087
25°	13558	13581	14028
30°	13301	13414	13832
35°	13005	13152	13760
40°	12639	12882	13641
45°	12162	12569	13646
50°	11543	12214	13647
55°	10620	11863	13266
60°	9446	11353	12412
65°	7960	10416	7991
70°	6256	8115	5919
75°	4523	4803	6204
80°	2961	3975	6255
85°	1483	3609	6577



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	795.0	3.0
10°-20°	2279.8	8.7
20°-30°	3482.0	13.2
30°-40°	4224.8	16.1
40°-50°	4428.0	16.8
50°-60°	4012.5	15.3
60°-70°	2690.2	10.2
70°-80°	1208.0	4.6
80°-90°	443.6	1.7
90°-100°	323.3	1.2
100°-110°	927.3	3.5
110°-120°	743.4	2.8
120°-130°	353.3	1.3
130°-140°	181.3	0.7
140°-150°	107.0	0.4
150°-160°	64.0	0.2
160°-170°	33.9	0.1
170°-180°	10.4	0.0
0°-30°	6556.8	24.9
0°-40°	10781.7	41.0
0°-60°	19222.2	73.1
0°-90°	23564.0	89.6
90°-120°	1994.1	7.6
90°-150°	2635.7	10.0
90°-180°	2744.0	10.4
0°-180°	26308.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8432	8432	8432	8432	8432	
5°	8377	8406	8348	8373	8362	797
15°	8105	8073	8016	8087	8096	2288
25°	7530	7497	7549	7619	7597	3471
35°	6674	6690	6758	6830	6803	4171
45°	5539	5629	5734	5880	5898	4267
55°	4076	4272	4563	4746	4735	3638
65°	2392	2766	3141	2650	2164	2383
75°	941	1365	1005	1028	1095	1029
85°	162	311	399	482	505	198
90°	7	137	250	308	320	14
95°	47	158	255	315	330	168
105°	1037	1068	1030	805	722	980
115°	723	728	748	760	748	724
125°	359	371	393	387	383	336
135°	217	222	228	238	240	171
145°	161	165	169	172	173	103
155°	133	136	138	140	138	62
165°	117	118	118	120	120	33
175°	107	108	107	106	106	10
180°	105	105	105	105	105	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8431.8	8431.8	8431.8	8431.8	8431.8
2.5°	8397.7	8433.0	8389.1	8436.7	8448.9
5°	8376.9	8406.2	8347.7	8373.3	8362.3
7.5°	8339.2	8348.9	8279.4	8300.1	8278.2
10°	8283.1	8278.2	8196.5	8236.8	8241.6
12.5°	8200.1	8185.5	8112.4	8173.4	8174.6
15°	8105.1	8073.4	8016.1	8086.8	8096.5
17.5°	7995.4	7953.9	7916.1	8007.5	7992.9
20°	7867.3	7818.6	7811.2	7911.2	7874.6
22.5°	7708.8	7671.1	7688.1	7783.2	7760.1
25°	7529.6	7496.7	7549.1	7618.6	7596.7
27.5°	7340.6	7321.2	7380.9	7434.6	7391.9
30°	7133.4	7122.4	7201.7	7245.6	7191.9
32.5°	6907.9	6911.5	6987.1	7046.8	6996.9
35°	6673.8	6689.6	6757.9	6829.9	6803.0
37.5°	6416.6	6451.9	6520.2	6601.8	6573.8
40°	6144.6	6195.9	6271.5	6370.2	6344.6
42.5°	5850.8	5915.5	6012.9	6122.7	6120.3
45°	5538.7	5628.9	5733.8	5880.1	5898.4
47.5°	5214.4	5315.6	5448.5	5643.5	5671.6
50°	4862.0	4988.9	5154.7	5388.8	5405.8
52.5°	4469.5	4642.6	4862.0	5086.4	5065.7
55°	4075.7	4272.0	4563.4	4746.2	4735.3
57.5°	3683.1	3903.8	4257.3	4387.8	4386.6
60°	3244.2	3523.4	3909.9	4008.7	3911.1
62.5°	2838.2	3138.2	3539.3	3467.3	3133.3
65°	2392.0	2766.3	3140.6	2650.5	2164.1
67.5°	1995.8	2386.0	2667.6	1815.4	1554.4
70°	1597.1	2027.5	2079.9	1347.2	1328.9
72.5°	1243.5	1701.9	1435.0	1153.3	1211.9
75°	941.2	1365.4	1004.6	1027.8	1094.8
77.5°	686.4	1048.5	781.5	901.0	955.9
80°	471.8	742.5	637.6	757.1	794.9
82.5°	296.3	490.1	510.9	609.6	648.6
85°	162.2	310.9	398.7	481.6	504.7
87.5°	67.1	187.8	304.8	371.8	391.4
90°	6.9	136.8	249.7	307.8	319.9
92.5°	18.2	120.4	221.6	273.9	284.1
95°	47.3	157.5	254.6	315.0	330.4
97.5°	283.7	330.9	360.8	424.8	461.2
100°	559.0	629.5	536.1	564.1	571.7
102.5°	881.1	926.5	779.7	677.1	656.5
105°	1037.1	1068.4	1029.8	805.2	722.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	836.3	851.3	876.5	877.0	860.0
115°	722.7	727.6	747.5	760.5	748.4
117.5°	611.2	617.6	637.5	638.4	634.4
120°	515.8	524.3	538.5	539.7	534.5
122.5°	432.5	444.7	462.1	459.3	453.2
125°	359.4	371.1	392.9	386.9	383.3
127.5°	307.2	314.5	331.5	334.4	331.6
130°	266.0	273.7	287.8	294.3	293.5
132.5°	238.9	245.8	255.1	262.4	261.6
135°	217.1	222.4	228.4	238.5	239.8
137.5°	198.9	204.6	208.6	217.9	219.1
140°	185.2	189.2	192.1	198.5	200.5
142.5°	171.9	176.3	179.1	184.4	186.4
145°	161.3	165.0	169.0	171.9	173.1
147.5°	152.9	156.1	159.3	160.9	162.2
150°	145.6	148.0	151.2	152.0	152.9
152.5°	139.1	140.7	143.2	144.8	144.8
155°	132.6	136.3	137.9	139.5	138.3
157.5°	127.8	130.6	132.2	133.1	133.9
160°	123.8	125.8	127.4	128.2	129.0
162.5°	120.1	121.7	122.5	123.4	124.2
165°	116.9	117.7	118.5	120.1	120.1
167.5°	113.7	115.7	115.3	116.1	116.1
170°	111.2	112.0	112.8	111.6	111.6
172.5°	108.8	109.6	110.4	109.2	109.2
175°	107.2	108.0	106.8	106.4	106.4
177.5°	107.6	107.2	106.0	104.8	104.4
180°	105.2	105.2	105.2	105.2	105.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1037.5	1069.2	1067.7	954.6	843.9
110°	953.0	982.2	992.5	962.2	908.1



(END OF REPORT)