

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: P826576

Luminaire Tested: **OHBL-30SE-A-UNV-L830-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P826576  
REPORT IS A COMBINATION OF REPORTS P826281 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-A-UNV-L830-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

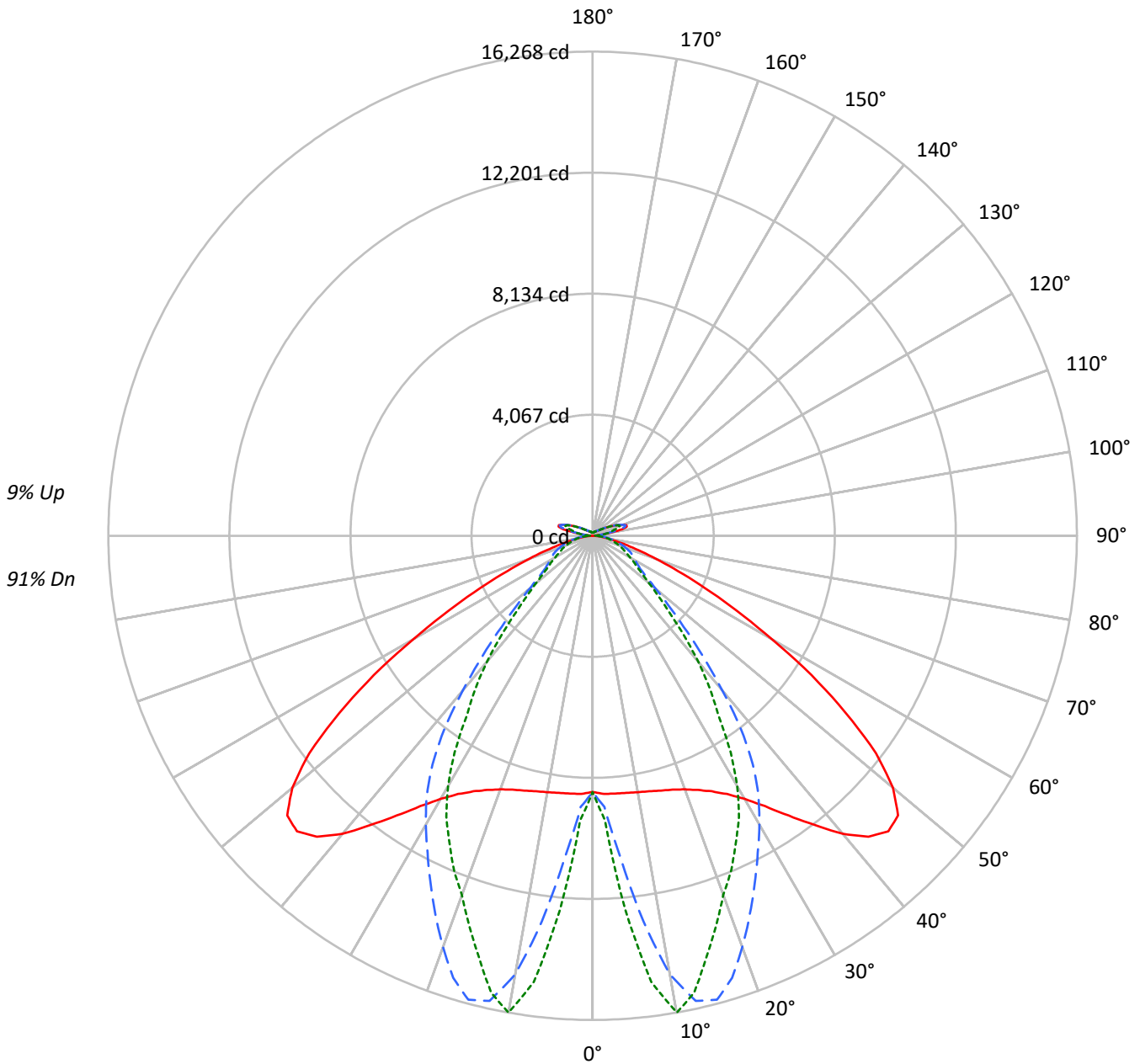
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30475.6 lumens  
Efficiency: N/A  
Efficacy: 154.5 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: 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									
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	106	106	106	99	99	99	93	93	93	91																			
1	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	67	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	37	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	37	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

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

	0°	45°	90°
0°	14704	14704	14704
5°	14779	18493	21554
10°	14910	25496	27997
15°	15266	27775	25696
20°	15897	25771	22964
25°	17056	23177	21006
30°	19019	20869	18678
35°	22359	18266	14884
40°	26884	13910	11846
45°	30838	9477	8431
50°	31264	6501	6236
55°	27061	5116	5094
60°	20215	4787	4583
65°	13856	4802	4341
70°	8859	4632	4205
75°	5327	4287	4023
80°	3134	3767	4151
85°	1509	3235	3849



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1123.9	3.7
10°-20°	3966.7	13.0
20°-30°	5845.2	19.2
30°-40°	6142.4	20.2
40°-50°	4700.1	15.4
50°-60°	2838.1	9.3
60°-70°	1731.9	5.7
70°-80°	945.3	3.1
80°-90°	337.8	1.1
90°-100°	220.3	0.7
100°-110°	995.9	3.3
110°-120°	819.9	2.7
120°-130°	386.9	1.3
130°-140°	195.0	0.6
140°-150°	114.0	0.4
150°-160°	66.8	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	10935.8	35.9
0°-40°	17078.3	56.0
0°-60°	24616.4	80.8
0°-90°	27631.5	90.7
90°-120°	2036.1	6.7
90°-150°	2732.1	9.0
90°-180°	2844.0	9.3
0°-180°	30475.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8609	8609	8609	8609	8609	
5°	8695	9329	10882	12151	12620	831
15°	8865	13807	16136	15058	14704	2521
25°	9473	16024	12883	11663	11375	4427
35°	11474	12832	9385	7816	7359	7279
45°	14044	7322	4323	3804	3644	10611
55°	10386	2483	1968	1824	1818	9178
65°	4164	1572	1448	1239	1176	4266
75°	1109	978	897	740	710	1276
85°	165	303	357	326	295	204
90°	6	38	50	57	57	13
95°	53	107	130	165	177	192
105°	1188	1198	1106	830	730	1122
115°	821	821	820	824	807	823
125°	404	416	427	416	410	377
135°	237	242	248	252	252	187
145°	173	176	180	182	182	110
155°	139	141	143	145	145	65
165°	119	120	121	123	123	34
175°	108	109	109	110	110	10
180°	107	107	107	107	107	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8608.8	8608.8	8608.8	8608.8	8608.8
2.5°	8679.3	8768.0	9117.1	9479.7	9567.9
5°	8695.2	9328.7	10882.5	12151.3	12620.1
7.5°	8713.6	10237.2	13069.7	14623.2	15120.4
10°	8748.7	11386.0	14965.0	16080.3	16268.2
12.5°	8792.3	12603.2	16007.9	15967.3	15730.3
15°	8864.7	13806.9	16136.4	15057.7	14703.7
17.5°	8940.7	14825.5	15576.0	14067.6	13759.4
20°	9064.4	15581.5	14704.5	13187.6	12837.2
22.5°	9242.6	15997.2	13790.4	12391.6	12163.1
25°	9472.7	16024.2	12882.6	11663.3	11375.3
27.5°	9780.9	15652.4	12012.4	10949.7	10645.5
30°	10200.3	14940.6	11204.0	10089.2	9711.8
32.5°	10769.9	13916.3	10370.5	9050.3	8627.3
35°	11474.2	12832.4	9385.2	7815.8	7358.8
37.5°	12242.9	11629.0	8189.4	6722.8	6456.7
40°	13069.7	10388.9	6772.2	5699.8	5509.4
42.5°	13715.1	9040.7	5455.8	4736.7	4534.0
45°	14043.9	7322.3	4323.3	3804.2	3644.3
47.5°	13915.9	5683.9	3427.3	3022.7	2974.7
50°	13168.3	4197.0	2743.6	2490.0	2470.1
52.5°	11999.6	3128.2	2266.3	2109.4	2075.0
55°	10385.9	2483.0	1968.0	1824.0	1818.5
57.5°	8720.0	2109.4	1786.4	1674.9	1636.1
60°	6942.8	1880.8	1648.7	1522.8	1444.1
62.5°	5442.2	1721.1	1547.5	1376.6	1303.2
65°	4163.8	1571.9	1447.9	1238.9	1175.8
67.5°	3103.9	1429.8	1326.0	1094.1	1057.3
70°	2261.4	1284.0	1187.2	973.1	944.0
72.5°	1611.7	1138.5	1048.5	859.4	827.3
75°	1108.6	977.5	896.7	739.8	709.9
77.5°	747.9	813.3	747.1	631.7	619.1
80°	499.4	645.0	604.3	535.3	527.5
82.5°	303.1	468.1	476.9	435.2	414.2
85°	165.0	303.1	357.3	325.6	295.4
87.5°	64.6	168.0	246.2	221.1	208.2
90°	6.5	38.2	50.2	56.8	56.8
92.5°	19.5	47.5	61.4	75.4	77.2
95°	53.0	107.0	130.3	164.7	176.8
97.5°	323.8	322.0	279.2	324.8	361.1
100°	639.3	675.6	503.4	511.8	516.5
102.5°	1008.7	1027.3	802.1	664.4	636.5
105°	1188.3	1197.6	1105.5	830.1	730.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	952.9	960.3	961.3	949.2	926.8
115°	820.8	820.8	819.8	823.5	806.8
117.5°	692.3	697.0	698.8	691.4	684.0
120°	582.5	590.9	589.0	583.5	576.0
122.5°	486.7	500.6	505.3	495.1	486.7
125°	403.9	416.0	427.1	416.0	410.4
127.5°	342.4	350.8	359.2	358.3	353.6
130°	295.0	302.4	311.7	313.6	312.7
132.5°	262.4	268.9	275.4	278.2	277.3
135°	237.3	241.9	247.5	252.2	252.2
137.5°	215.0	221.5	226.1	229.8	229.8
140°	199.1	203.8	208.4	210.3	211.2
142.5°	185.2	188.9	193.6	195.4	196.3
145°	173.1	175.9	180.5	182.4	182.4
147.5°	161.9	165.6	169.4	171.2	171.2
150°	153.5	156.3	160.1	161.0	161.9
152.5°	146.1	148.0	150.8	152.6	152.6
155°	138.7	141.4	143.3	145.2	145.2
157.5°	133.1	134.9	136.8	137.7	138.7
160°	128.4	129.3	131.2	132.1	133.1
162.5°	122.8	124.7	125.6	126.6	127.5
165°	119.1	120.0	121.0	122.8	122.8
167.5°	115.4	116.3	117.2	118.2	118.2
170°	112.6	113.5	114.5	114.5	114.5
172.5°	109.8	110.7	111.7	111.7	111.7
175°	107.9	108.9	108.9	109.8	109.8
177.5°	107.0	107.9	107.9	107.9	108.9
180°	107.0	107.0	107.0	107.0	107.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1187.4	1204.1	1160.4	1016.2	885.9
110°	1088.8	1108.3	1085.0	1037.6	972.4



(END OF REPORT)