

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: P826563

Luminaire Tested: **OHBL-30HE-A-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P826563  
REPORT IS A COMBINATION OF REPORTS P826119 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-30HE-A-UNV-L830-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

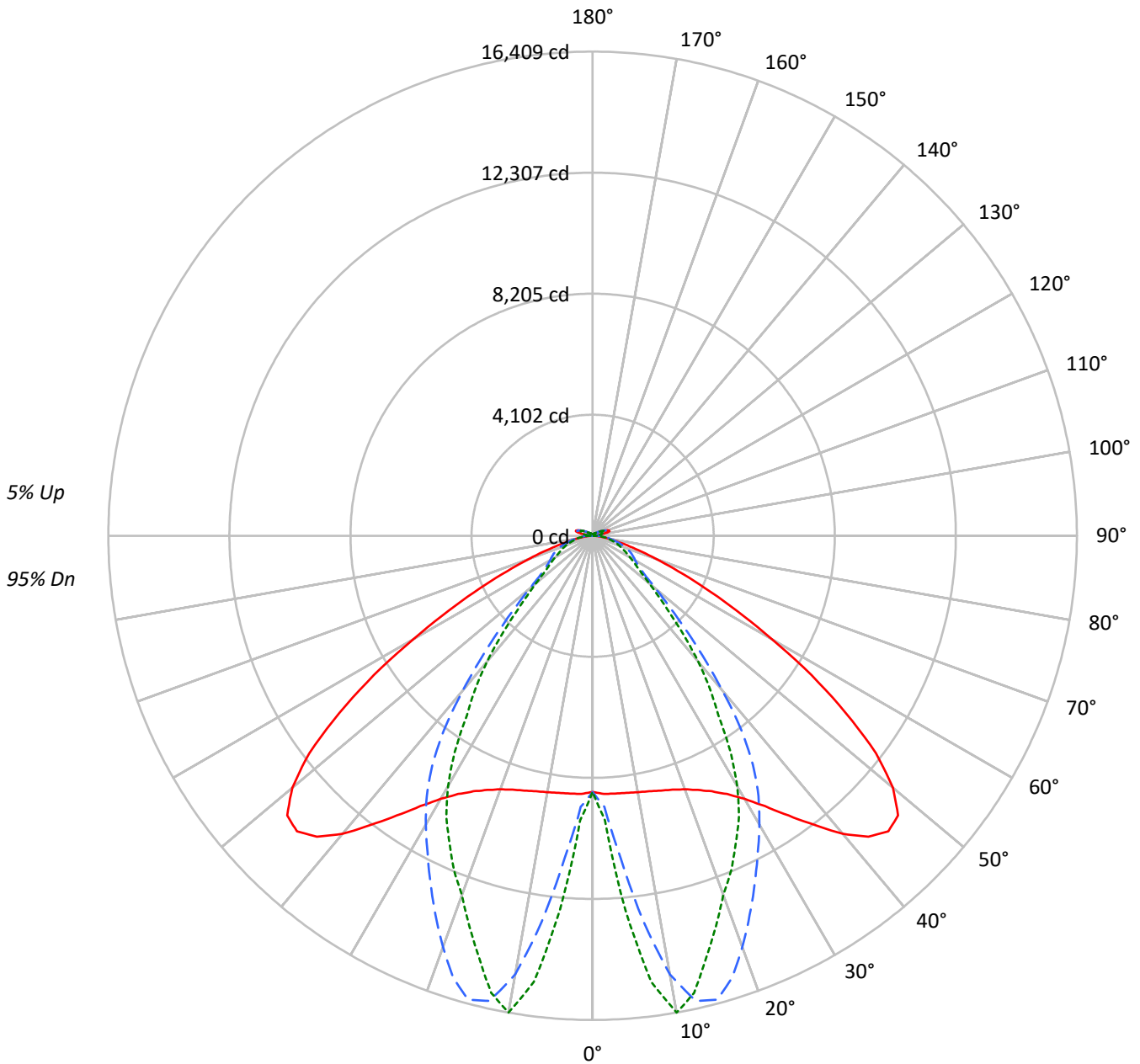
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29278.3 lumens  
Efficiency: N/A  
Efficacy: 168.2 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 174.1  
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

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

	0°	45°	90°
0°	13733	13733	13733
5°	13811	17280	20130
10°	13943	23834	26147
15°	14285	25976	23999
20°	14885	24113	21447
25°	15982	21696	19618
30°	17835	19546	17445
35°	20984	17118	13901
40°	25253	13044	11063
45°	28997	8893	7874
50°	29431	6105	5824
55°	25510	4809	4758
60°	19088	4505	4281
65°	13112	4527	4055
70°	8408	4375	3927
75°	5078	4062	3757
80°	3008	3585	3877
85°	1468	3107	3594



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1133.6	3.9
10°-20°	4001.1	13.7
20°-30°	5895.8	20.1
30°-40°	6195.6	21.2
40°-50°	4740.8	16.2
50°-60°	2862.7	9.8
60°-70°	1746.9	6.0
70°-80°	953.5	3.3
80°-90°	338.3	1.2
90°-100°	135.5	0.5
100°-110°	469.5	1.6
110°-120°	403.5	1.4
120°-130°	193.6	0.7
130°-140°	96.8	0.3
140°-150°	56.2	0.2
150°-160°	32.8	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	11030.5	37.7
0°-40°	17226.1	58.8
0°-60°	24829.5	84.8
0°-90°	27868.2	95.2
90°-120°	1008.5	3.4
90°-150°	1355.2	4.6
90°-180°	1410.0	4.8
0°-180°	29278.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8683	8683	8683	8683	8683	
5°	8770	9409	10977	12256	12729	839
15°	8941	13926	16276	15188	14831	2542
25°	9555	16163	12994	11764	11474	4465
35°	11574	12944	9466	7884	7423	7342
45°	14166	7386	4361	3837	3676	10703
55°	10476	2504	1985	1840	1834	9257
65°	4200	1586	1460	1250	1186	4303
75°	1118	986	904	746	716	1287
85°	166	306	360	328	298	206
90°	3	20	27	35	40	11
95°	26	67	100	132	154	93
105°	589	581	495	350	321	558
115°	406	406	409	408	399	410
125°	196	208	213	211	210	186
135°	116	120	123	125	126	92
145°	85	86	88	90	90	54
155°	68	69	71	71	72	32
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



TEST NUMBER: P826563

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8683.4	8683.4	8683.4	8683.4	8683.4
2.5°	8754.5	8843.8	9196.1	9561.7	9650.7
5°	8770.5	9409.4	10976.7	12256.4	12729.3
7.5°	8789.1	10325.8	13182.9	14749.8	15251.3
10°	8824.5	11484.5	15094.5	16219.5	16409.0
12.5°	8868.4	12712.2	16146.5	16105.5	15866.4
15°	8941.4	13926.5	16276.1	15188.1	14830.9
17.5°	9018.1	14953.8	15710.8	14189.4	13878.5
20°	9142.8	15716.4	14831.7	13301.7	12948.3
22.5°	9322.7	16135.7	13909.8	12498.8	12268.4
25°	9554.7	16162.9	12994.1	11764.3	11473.8
27.5°	9865.6	15787.9	12116.5	11044.5	10737.7
30°	10288.6	15070.0	11301.0	10176.5	9796.0
32.5°	10863.1	14036.7	10460.3	9128.7	8702.0
35°	11573.6	12943.5	9466.4	7883.6	7422.6
37.5°	12348.8	11729.6	8260.4	6781.0	6512.5
40°	13182.9	10478.9	6830.8	5749.2	5557.1
42.5°	13833.8	9119.0	5503.0	4777.8	4573.3
45°	14165.6	7385.7	4360.7	3837.1	3675.9
47.5°	14036.3	5733.2	3456.9	3048.9	3000.5
50°	13282.3	4233.3	2767.4	2511.6	2491.5
52.5°	12103.5	3155.3	2285.9	2127.6	2093.0
55°	10475.9	2504.5	1985.1	1839.8	1834.2
57.5°	8795.4	2127.6	1801.8	1689.4	1650.2
60°	7002.9	1897.1	1662.9	1536.0	1456.7
62.5°	5489.3	1736.0	1560.9	1388.5	1314.4
65°	4199.8	1585.5	1460.4	1249.6	1186.0
67.5°	3130.8	1442.2	1337.5	1103.6	1066.4
70°	2281.1	1295.1	1197.5	981.6	952.1
72.5°	1625.7	1148.3	1057.5	866.8	834.4
75°	1118.2	986.0	904.5	746.2	716.1
77.5°	754.4	820.3	753.7	637.1	624.4
80°	503.8	650.6	609.5	539.9	532.1
82.5°	305.7	472.2	481.1	439.0	417.8
85°	166.5	305.7	360.4	328.4	297.9
87.5°	65.1	169.5	248.4	223.1	210.0
90°	2.8	20.5	27.0	35.4	40.0
92.5°	9.3	26.1	42.8	59.6	68.9
95°	26.1	67.0	99.6	132.1	153.5
97.5°	154.5	174.0	189.8	218.7	235.4
100°	313.6	338.7	278.2	292.2	298.7
102.5°	504.4	487.6	360.1	323.8	318.2
105°	589.0	580.7	495.1	349.9	321.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	473.7	480.2	471.8	455.0	438.3
115°	405.7	405.7	409.4	407.6	399.2
117.5°	348.0	346.2	349.9	348.0	346.2
120°	290.3	294.1	295.0	293.1	292.2
122.5°	240.1	247.5	252.2	249.4	248.5
125°	196.3	207.5	213.1	211.2	210.3
127.5°	167.5	174.0	181.5	181.5	179.6
130°	145.2	149.8	155.4	156.3	156.3
132.5°	129.3	133.1	137.7	138.7	139.6
135°	116.3	120.0	122.8	124.7	125.6
137.5°	107.0	108.9	112.6	113.5	114.5
140°	97.7	100.5	103.3	104.2	105.2
142.5°	91.2	93.1	94.9	96.8	96.8
145°	84.7	86.5	88.4	90.3	90.3
147.5°	80.0	81.9	83.8	83.8	84.7
150°	75.4	77.2	78.2	79.1	79.1
152.5°	71.7	72.6	74.4	74.4	75.4
155°	67.9	68.9	70.7	70.7	71.7
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°	589.0	590.0	546.2	420.6	352.7
110°	543.4	548.1	523.9	476.4	418.8



(END OF REPORT)