

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: P826565

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P826565  
REPORT IS A COMBINATION OF REPORTS P826120 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-MCL-UNV-L830-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

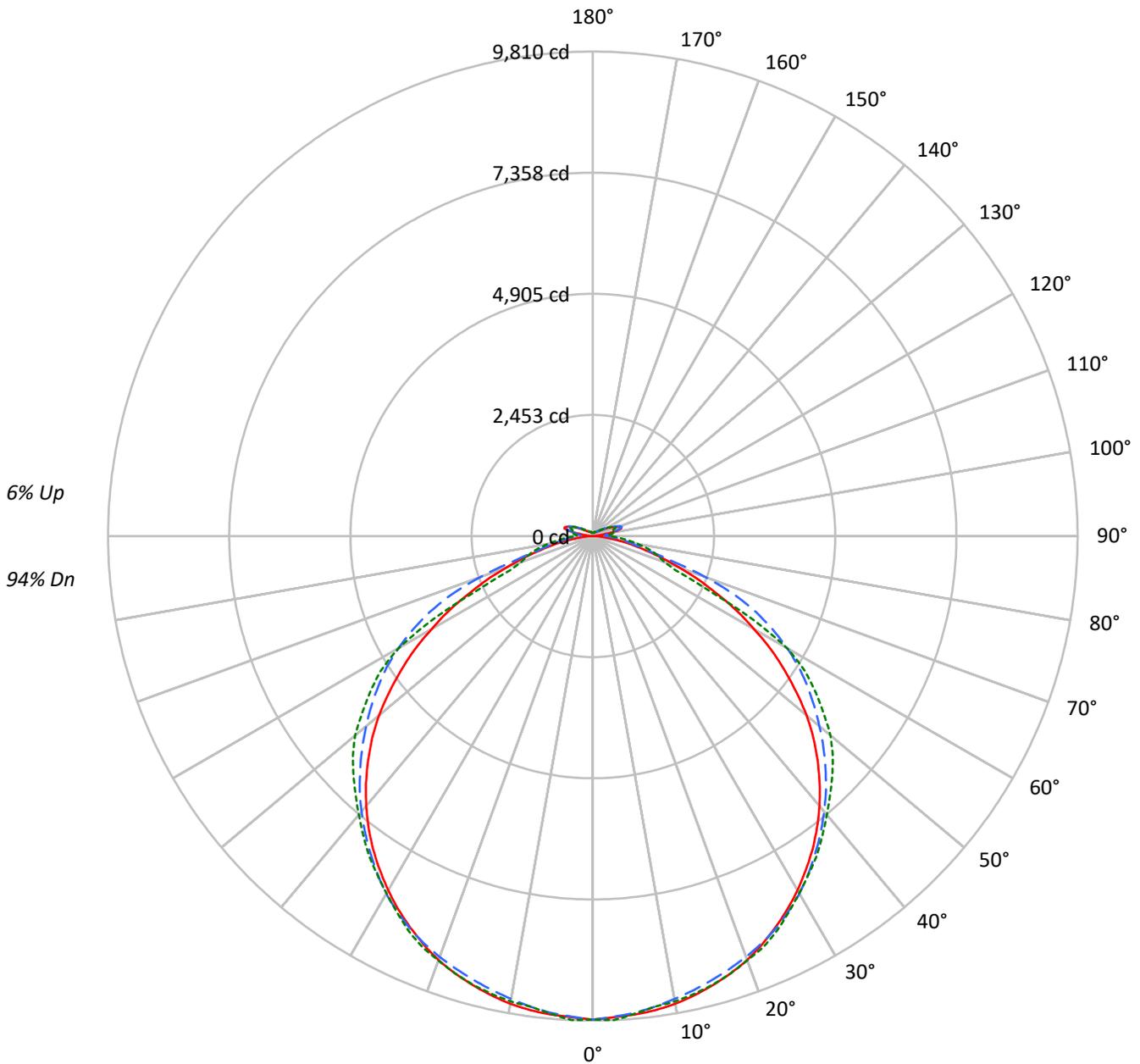
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29086.6 lumens  
Efficiency: N/A  
Efficacy: 167.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
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

TEST NUMBER: P826565

CATALOG NUMBER: OHBL-30HE-MCL-UNV-L830-CD-UPL15

### Luminous Intensity Polar Plot





TEST NUMBER: P826565

CATALOG NUMBER: OHBL-30HE-MCL-UNV-L830-CD-UPL15

**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	114	114	114	114	108	108	108	102	102	102	97	97	97	94																			
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67																			
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48																			
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42																			
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36																			
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32																			
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

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

	0°	45°	90°
0°	15484	15484	15484
5°	15318	15259	15356
10°	15197	15028	15249
15°	15036	14855	15213
20°	14873	14746	15146
25°	14625	14636	15082
30°	14358	14463	14871
35°	14050	14189	14794
40°	13668	13906	14667
45°	13165	13578	14671
50°	12510	13205	14673
55°	11524	12838	14262
60°	10268	12300	13345
65°	8671	11304	8591
70°	6836	8824	6364
75°	4962	5238	6670
80°	3271	4355	6725
85°	1660	3991	7072



TEST NUMBER: P826565

CATALOG NUMBER: OHBL-30HE-MCL-UNV-L830-CD-UPL15

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	923.2	3.2
10°-20°	2647.2	9.1
20°-30°	4043.1	13.9
30°-40°	4905.7	16.9
40°-50°	5141.7	17.7
50°-60°	4659.1	16.0
60°-70°	3123.7	10.7
70°-80°	1402.7	4.8
80°-90°	512.6	1.8
90°-100°	288.7	1.0
100°-110°	541.8	1.9
110°-120°	439.7	1.5
120°-130°	213.6	0.7
130°-140°	110.5	0.4
140°-150°	65.4	0.2
150°-160°	39.6	0.1
160°-170°	21.4	0.1
170°-180°	6.6	0.0
0°-30°	7613.5	26.2
0°-40°	12519.2	43.0
0°-60°	22320.0	76.7
0°-90°	27359.0	94.1
90°-120°	1270.3	4.4
90°-150°	1659.9	5.7
90°-180°	1728.0	5.9
0°-180°	29086.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9791	9791	9791	9791	9791	
5°	9727	9761	9693	9723	9710	925
15°	9411	9374	9308	9390	9401	2657
25°	8743	8705	8766	8846	8821	4030
35°	7749	7768	7847	7930	7899	4844
45°	6431	6536	6658	6828	6849	4954
55°	4732	4960	5299	5511	5498	4224
65°	2778	3212	3647	3078	2513	2768
75°	1093	1586	1166	1193	1271	1194
85°	188	361	463	559	586	230
90°	4	141	266	336	354	13
95°	28	142	264	332	359	95
105°	595	613	576	448	423	564
115°	417	423	450	460	454	420
125°	206	219	239	241	242	195
135°	129	134	138	147	150	102
145°	97	101	102	106	107	62
155°	82	84	86	86	86	38
165°	74	74	75	75	75	21
175°	69	69	67	67	67	7
180°	67	67	67	67	67	



TEST NUMBER: P826565

CATALOG NUMBER: OHBL-30HE-MCL-UNV-L830-CD-UPL15

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9790.7	9790.7	9790.7	9790.7	9790.7
2.5°	9751.0	9792.1	9741.1	9796.3	9810.5
5°	9727.0	9761.0	9693.0	9722.7	9710.0
7.5°	9683.1	9694.4	9613.8	9637.8	9612.3
10°	9617.9	9612.3	9517.4	9564.2	9569.8
12.5°	9521.7	9504.7	9419.7	9490.6	9491.9
15°	9411.3	9374.5	9308.0	9390.0	9401.4
17.5°	9283.9	9235.8	9191.8	9298.0	9281.1
20°	9135.3	9078.6	9070.1	9186.2	9143.7
22.5°	8951.2	8907.3	8927.1	9037.6	9010.7
25°	8743.1	8704.9	8765.7	8846.4	8820.9
27.5°	8523.7	8501.0	8570.4	8632.7	8583.2
30°	8283.0	8270.3	8362.3	8413.2	8351.0
32.5°	8021.1	8025.4	8113.1	8182.5	8124.5
35°	7749.3	7767.7	7847.0	7930.5	7899.4
37.5°	7450.6	7491.6	7570.9	7665.8	7633.3
40°	7134.9	7194.4	7282.2	7396.8	7367.1
42.5°	6793.7	6868.8	6982.1	7109.4	7106.6
45°	6431.3	6536.1	6657.8	6827.7	6849.0
47.5°	6054.8	6172.3	6326.6	6553.1	6585.6
50°	5645.7	5792.9	5985.4	6257.2	6277.1
52.5°	5189.8	5390.8	5645.7	5906.1	5882.0
55°	4732.5	4960.4	5298.8	5511.1	5498.4
57.5°	4276.7	4532.9	4943.5	5095.0	5093.5
60°	3767.1	4091.3	4540.0	4654.6	4541.4
62.5°	3295.7	3643.9	4109.6	4026.1	3638.2
65°	2777.5	3212.1	3646.8	3077.6	2512.8
67.5°	2317.5	2770.4	3097.4	2107.9	1805.0
70°	1854.5	2354.2	2415.1	1564.3	1543.0
72.5°	1443.9	1976.2	1666.3	1339.3	1407.2
75°	1092.8	1585.6	1166.5	1193.4	1271.2
77.5°	797.0	1217.4	907.5	1046.1	1109.9
80°	547.8	862.2	740.4	879.1	923.0
82.5°	344.0	569.1	593.1	707.9	753.1
85°	188.3	361.0	463.0	559.2	586.1
87.5°	77.9	218.0	353.9	431.8	454.4
90°	4.2	140.8	266.2	335.5	354.3
92.5°	10.7	118.1	238.1	301.6	320.9
95°	27.5	142.0	263.8	331.7	358.8
97.5°	157.3	233.5	327.2	384.3	406.7
100°	317.9	388.2	392.9	430.9	441.7
102.5°	510.0	527.3	456.3	439.9	438.6
105°	594.7	613.2	575.7	447.6	422.9



TEST NUMBER: P826565

CATALOG NUMBER: OHBL-30HE-MCL-UNV-L830-CD-UPL15

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	483.5	500.0	519.9	515.9	502.0
115°	417.1	422.8	450.5	460.0	454.4
117.5°	359.4	360.3	385.2	392.0	392.9
120°	301.7	306.8	326.2	331.4	331.8
122.5°	251.4	258.9	279.1	283.4	283.8
125°	206.2	218.9	238.6	240.9	241.5
127.5°	178.9	185.4	204.1	208.4	207.9
130°	156.5	162.6	175.2	181.8	181.8
132.5°	142.1	147.2	156.1	162.8	163.7
135°	129.1	134.2	138.4	147.3	149.7
137.5°	121.2	123.0	126.7	134.7	137.1
140°	111.9	114.6	116.0	122.6	125.0
142.5°	103.9	107.2	107.7	113.8	115.2
145°	97.4	100.7	102.5	105.8	107.3
147.5°	94.2	96.0	97.9	97.9	100.2
150°	89.5	91.4	92.3	93.2	93.2
152.5°	85.8	86.7	88.6	88.6	89.5
155°	82.1	84.4	86.3	86.3	85.8
157.5°	79.3	81.6	82.5	83.5	83.5
160°	76.5	78.8	79.7	79.7	80.7
162.5°	76.0	77.0	77.0	77.9	77.9
165°	74.2	74.2	75.1	75.1	75.1
167.5°	72.3	73.8	73.2	73.2	74.2
170°	70.4	71.4	71.4	70.0	70.9
172.5°	69.5	69.5	70.4	69.0	69.0
175°	68.6	68.6	67.2	66.7	66.7
177.5°	69.1	68.6	67.2	65.8	64.4
180°	67.2	67.2	67.2	67.2	67.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	596.1	616.9	615.6	504.2	439.0
110°	551.9	570.7	582.0	547.3	492.4



(END OF REPORT)