

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: P830215

Luminaire Tested: **OHBL-30HE-NL-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-NL-UNV-L830-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

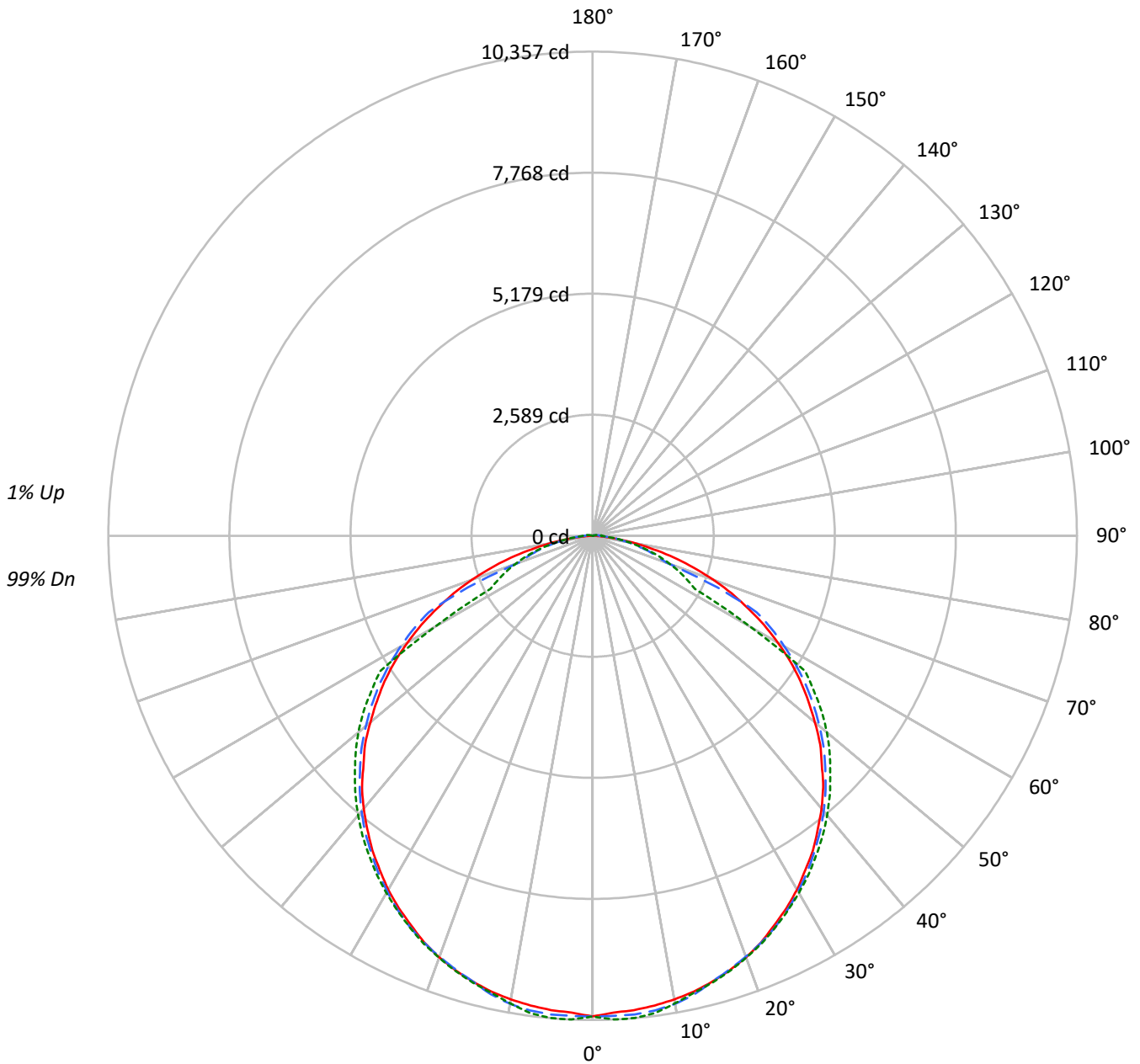
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28865.0 lumens
Efficiency: N/A
Efficacy: 176.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 163.8
Input Voltage (V): NR
Input Current (Ain): 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102				99																
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86				84																
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73				71																
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62				60																
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53				51																
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46				44																
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41				39																
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36				34																
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32				30																
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29				27																
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26				25																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16259	16259	16259
5°	16169	16315	16439
10°	16174	16327	16307
15°	16171	16168	16204
20°	16149	16125	16164
25°	16039	16120	16133
30°	15964	16047	16109
35°	15861	15948	16098
40°	15724	15873	16108
45°	15497	15731	16074
50°	15263	15575	16089
55°	14971	15360	15912
60°	14470	14984	12388
65°	13690	14486	8337
70°	12663	7691	8091
75°	11045	7308	7727
80°	8494	6704	7081
85°	4288	6775	6939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.7	3.4
10°-20°	2796.6	9.7
20°-30°	4255.3	14.7
30°-40°	5173.9	17.9
40°-50°	5440.1	18.8
50°-60°	4967.5	17.2
60°-70°	3184.4	11.0
70°-80°	1504.3	5.2
80°-90°	417.1	1.4
90°-100°	110.5	0.4
100°-110°	30.2	0.1
110°-120°	8.4	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8028.7	27.8
0°-40°	13202.6	45.7
0°-60°	23610.1	81.8
0°-90°	28715.9	99.5
90°-120°	149.1	0.5
90°-150°	149.1	0.5
90°-180°	149.0	0.5
0°-180°	28865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10281	10281	10281	10281	10281	
5°	10185	10225	10277	10333	10355	969
15°	9877	9951	9875	9889	9897	2788
25°	9191	9206	9238	9253	9245	4241
35°	8215	8167	8260	8362	8338	5134
45°	6929	6916	7034	7200	7187	5356
55°	5430	5388	5571	5756	5771	4843
65°	3658	3658	3871	2221	2228	3627
75°	1808	1842	1196	1259	1265	1905
85°	236	300	373	404	382	349
90°	0	101	166	196	193	10
95°	5	52	119	161	161	3
105°	9	20	29	29	27	9
115°	9	13	18	13	2	6
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: OHBL-30HE-NL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10281.0	10281.0	10281.0	10281.0	10281.0
2.5°	10208.8	10243.2	10281.0	10329.7	10356.6
5°	10185.3	10225.0	10277.3	10333.3	10354.9
7.5°	10134.9	10190.6	10241.2	10281.0	10293.6
10°	10071.6	10138.5	10167.3	10163.7	10154.7
12.5°	9986.8	10057.3	10048.3	10006.7	10014.0
15°	9876.8	9950.7	9875.1	9889.4	9896.7
17.5°	9747.0	9819.1	9730.7	9759.6	9761.5
20°	9595.5	9649.5	9581.0	9604.5	9604.5
22.5°	9413.3	9451.1	9422.3	9438.5	9442.1
25°	9191.4	9205.7	9238.1	9252.7	9245.4
27.5°	8978.6	8960.4	9023.7	9057.8	9039.7
30°	8742.1	8713.3	8787.2	8843.2	8821.6
32.5°	8471.5	8453.5	8538.3	8605.0	8592.4
35°	8215.4	8166.7	8260.5	8361.5	8338.0
37.5°	7912.3	7883.4	7989.8	8096.4	8083.8
40°	7616.4	7567.7	7688.6	7814.9	7802.3
42.5°	7299.0	7241.1	7372.9	7524.6	7510.0
45°	6929.0	6916.4	7033.7	7199.7	7187.1
47.5°	6600.9	6537.7	6701.8	6862.4	6876.9
50°	6203.8	6180.5	6330.3	6525.1	6539.4
52.5°	5816.1	5799.9	5956.7	6153.4	6178.6
55°	5429.9	5388.5	5570.7	5756.5	5771.0
57.5°	5017.0	4973.7	5159.5	5361.6	5392.1
60°	4574.9	4533.4	4737.2	4924.9	3916.5
62.5°	4132.9	4104.1	4317.0	3057.8	2464.4
65°	3658.5	3658.5	3871.2	2220.7	2227.9
67.5°	3214.8	3186.0	2886.5	1995.1	1995.1
70°	2738.5	2749.3	1663.2	1748.2	1749.9
72.5°	2260.4	2300.1	1436.1	1504.5	1508.1
75°	1807.6	1841.9	1196.0	1259.2	1264.6
77.5°	1327.8	1021.0	961.5	1010.4	1012.1
80°	932.6	644.0	736.1	782.9	777.5
82.5°	544.7	450.9	539.4	573.7	571.8
85°	236.3	299.5	373.4	404.1	382.4
87.5°	75.6	185.8	232.6	250.8	248.9
90°	0.0	101.0	166.0	196.5	193.1
92.5°	0.0	79.3	144.4	180.5	182.2
95°	5.3	52.3	119.2	160.6	160.6
97.5°	3.6	37.8	84.8	126.2	129.9
100°	3.6	30.6	56.0	90.1	92.1
102.5°	9.0	25.2	34.2	57.7	59.6
105°	9.0	19.9	28.8	28.8	27.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.9	14.5	19.9	14.5	1.7
115°	9.0	12.6	18.0	12.6	1.7
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	9.0	18.0	25.2	16.2	5.3
110°	10.9	16.2	21.6	14.5	1.7



(END OF REPORT)