

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: P830233

Luminaire Tested: **OHBL-30HE-W-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-W-UNV-L940-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

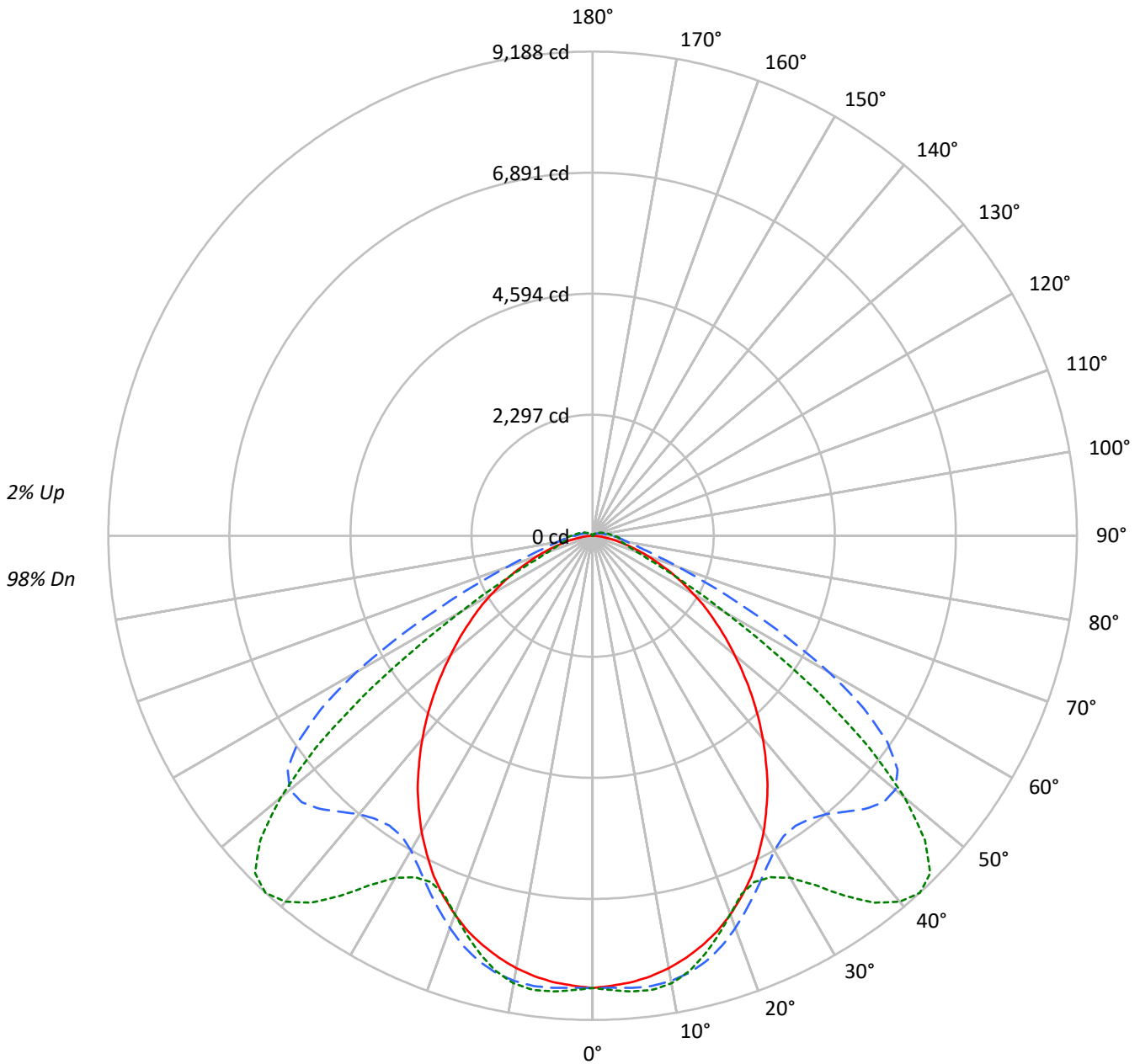
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25697.0 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 163.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P830233
CATALOG NUMBER: OHBL-30HE-W-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830233

CATALOG NUMBER: OHBL-30HE-W-UNV-L940-CD

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98								
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83								
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70								
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59								
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50								
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43								
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38								
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33								
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29								
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13573	13573	13573
5°	13446	13560	13670
10°	13278	13545	13628
15°	13019	13327	13135
20°	12664	12875	12435
25°	12189	12327	12129
30°	11557	11920	12986
35°	10837	12147	15114
40°	10001	13164	17366
45°	9127	14943	18538
50°	8215	16536	17113
55°	7358	16531	12950
60°	6486	14002	7823
65°	5565	9682	4665
70°	4521	6271	3296
75°	3439	4507	2960
80°	2468	3975	3162
85°	1676	4406	4456



TEST NUMBER: P830233

CATALOG NUMBER: OHBL-30HE-W-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.1	3.2
10°-20°	2322.4	9.0
20°-30°	3398.4	13.2
30°-40°	4413.6	17.2
40°-50°	5389.5	21.0
50°-60°	4746.3	18.5
60°-70°	2473.3	9.6
70°-80°	1060.6	4.1
80°-90°	509.4	2.0
90°-100°	239.3	0.9
100°-110°	148.7	0.6
110°-120°	87.9	0.3
120°-130°	47.8	0.2
130°-140°	24.0	0.1
140°-150°	11.5	0.0
150°-160°	4.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6540.9	25.5
0°-40°	10954.5	42.6
0°-60°	21090.3	82.1
0°-90°	25133.6	97.8
90°-120°	476.0	1.9
90°-150°	559.3	2.2
90°-180°	563.0	2.2
0°-180°	25697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8582	8582	8582	8582	8582	
5°	8503	8568	8614	8690	8680	806
15°	8045	8271	8351	8288	8221	2265
25°	7129	7510	7382	7244	7251	3272
35°	5786	6397	6718	7834	8336	3607
45°	4261	5360	7327	8871	9056	3285
55°	2837	4696	6823	5983	5318	2546
65°	1628	3253	3124	1737	1494	1610
75°	656	1522	1004	687	652	715
85°	139	542	511	500	506	155
90°	2	196	337	385	394	10
95°	4	115	268	315	324	3
105°	7	65	174	209	213	8
115°	11	37	107	132	135	11
125°	13	18	63	82	83	11
135°	11	11	30	50	52	9
145°	15	11	13	24	28	9
155°	15	15	11	11	11	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830233

CATALOG NUMBER: OHBL-30HE-W-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8582.3	8582.3	8582.3	8582.3	8582.3
2.5°	8545.3	8582.3	8584.2	8636.0	8630.5
5°	8502.7	8567.5	8613.8	8689.7	8680.5
7.5°	8432.3	8534.2	8615.7	8699.0	8691.6
10°	8332.4	8471.2	8578.6	8647.1	8624.9
12.5°	8202.7	8386.1	8491.6	8506.4	8463.8
15°	8045.4	8271.3	8350.9	8287.9	8221.3
17.5°	7867.6	8132.4	8160.2	8023.1	7939.8
20°	7645.4	7947.2	7919.4	7730.6	7638.0
22.5°	7399.1	7743.5	7654.7	7456.5	7367.7
25°	7128.8	7510.2	7382.5	7243.6	7251.0
27.5°	6812.2	7245.4	7121.4	7184.3	7302.8
30°	6490.0	6967.7	6891.8	7258.4	7491.7
32.5°	6136.3	6682.6	6751.1	7475.1	7856.5
35°	5786.4	6397.4	6717.7	7834.3	8336.1
37.5°	5399.4	6108.5	6771.4	8249.0	8774.9
40°	5023.5	5827.1	6893.6	8621.2	9065.6
42.5°	4640.2	5575.3	7099.2	8841.6	9187.8
45°	4260.6	5360.5	7326.9	8871.2	9056.3
47.5°	3881.0	5179.0	7484.3	8636.0	8550.9
50°	3514.4	5017.9	7495.4	8071.3	7723.2
52.5°	3171.9	4869.8	7291.7	7171.4	6630.7
55°	2836.7	4695.7	6823.3	5982.6	5317.9
57.5°	2531.2	4455.0	6101.1	4705.0	3979.2
60°	2207.1	4129.1	5167.9	3442.2	2870.0
62.5°	1909.0	3723.6	4121.7	2396.0	2062.7
65°	1627.6	3253.3	3123.7	1736.8	1494.3
67.5°	1329.5	2766.3	2305.3	1266.5	1111.0
70°	1096.2	2314.5	1716.5	985.1	894.3
72.5°	857.3	1885.0	1283.2	799.9	749.9
75°	655.5	1522.0	1003.6	687.0	651.8
77.5°	483.3	1203.6	807.3	607.3	574.0
80°	338.8	948.0	675.8	542.5	529.6
82.5°	227.8	733.2	575.9	516.6	518.5
85°	138.9	542.5	511.1	499.9	505.5
87.5°	66.7	385.1	438.8	455.5	461.1
90°	1.9	196.3	337.0	385.1	394.4
92.5°	0.0	150.0	296.3	344.4	353.7
95°	3.7	114.8	268.5	314.8	324.0
97.5°	3.7	94.4	240.7	288.9	294.4
100°	5.6	81.5	214.8	261.1	266.6
102.5°	5.6	72.2	192.6	233.3	237.0
105°	7.4	64.8	174.1	209.2	212.9



TEST NUMBER: P830233

CATALOG NUMBER: OHBL-30HE-W-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.1	44.4	122.2	148.1	151.8
115°	11.1	37.0	107.4	131.5	135.2
117.5°	13.0	33.3	94.4	116.7	118.5
120°	13.0	27.8	81.5	103.7	105.5
122.5°	13.0	22.2	72.2	92.6	94.4
125°	13.0	18.5	63.0	81.5	83.3
127.5°	11.1	13.0	53.7	72.2	74.1
130°	11.1	11.1	44.4	63.0	66.7
132.5°	11.1	11.1	37.0	55.5	59.3
135°	11.1	11.1	29.6	50.0	51.8
137.5°	11.1	11.1	24.1	42.6	46.3
140°	11.1	11.1	18.5	37.0	38.9
142.5°	13.0	11.1	16.7	31.5	33.3
145°	14.8	11.1	13.0	24.1	27.8
147.5°	14.8	13.0	13.0	20.4	22.2
150°	14.8	14.8	11.1	14.8	18.5
152.5°	14.8	14.8	11.1	11.1	14.8
155°	14.8	14.8	11.1	11.1	11.1
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°	9.3	57.4	155.5	187.0	190.7
110°	9.3	50.0	137.0	166.6	170.4



(END OF REPORT)