

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: P830229

Luminaire Tested: **OHBL-30HE-W-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830229
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-L840-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

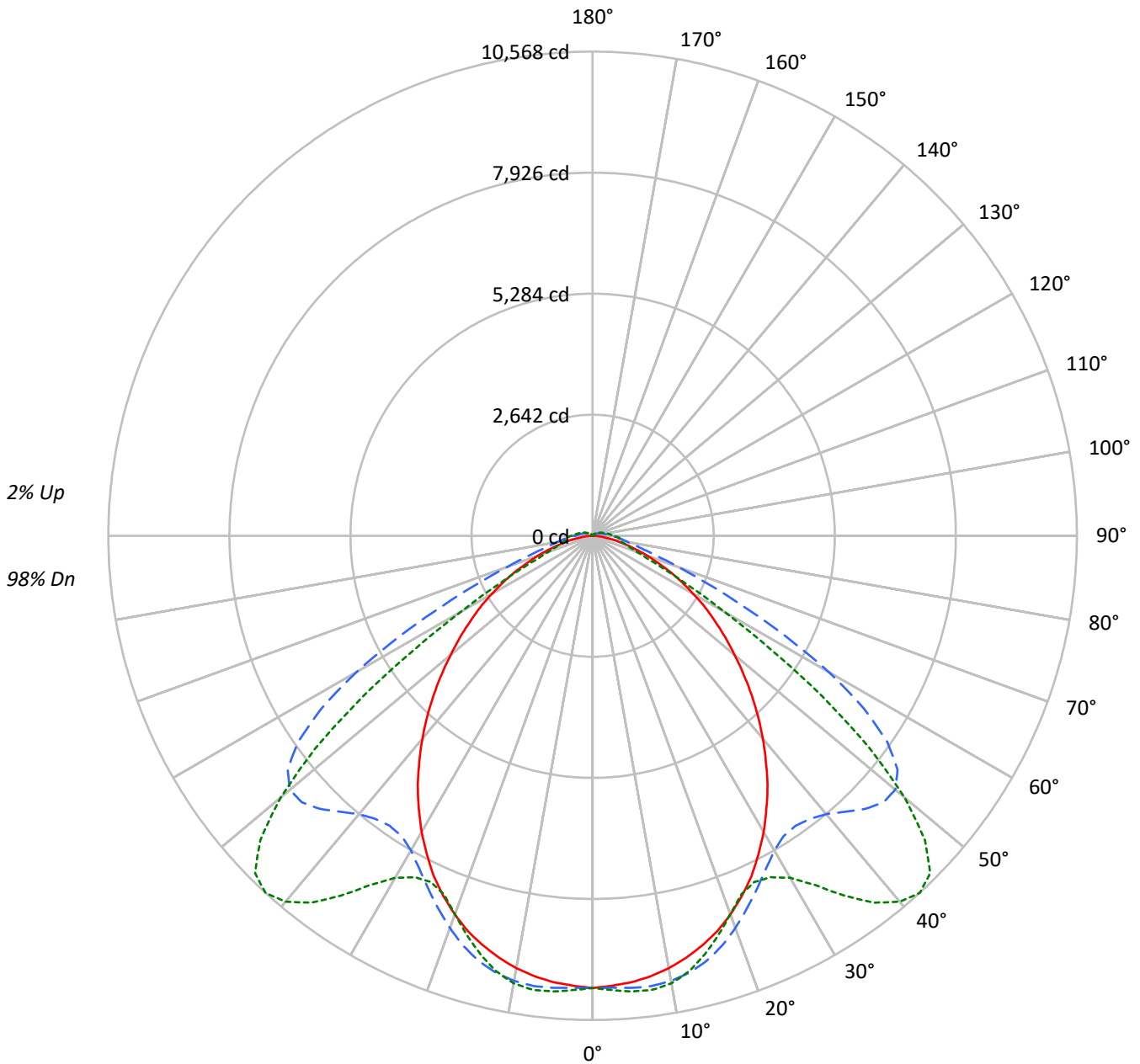
Lumens per Lamp: N/A
Luminaire Lumens: 29556.0 lumens
Efficiency: N/A
Efficacy: 180.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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	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°	15611	15611	15611
5°	15466	15596	15722
10°	15271	15579	15674
15°	14974	15329	15107
20°	14565	14809	14303
25°	14019	14178	13950
30°	13293	13710	14937
35°	12464	13972	17383
40°	11503	15141	19974
45°	10497	17187	21322
50°	9449	19020	19683
55°	8463	19014	14895
60°	7460	16104	8998
65°	6400	11136	5366
70°	5200	7213	3791
75°	3956	5183	3404
80°	2839	4573	3637
85°	1927	5067	5125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	943.3	3.2
10°-20°	2671.1	9.0
20°-30°	3908.8	13.2
30°-40°	5076.4	17.2
40°-50°	6198.9	21.0
50°-60°	5459.1	18.5
60°-70°	2844.7	9.6
70°-80°	1219.9	4.1
80°-90°	585.9	2.0
90°-100°	275.2	0.9
100°-110°	171.1	0.6
110°-120°	101.2	0.3
120°-130°	55.0	0.2
130°-140°	27.6	0.1
140°-150°	13.3	0.0
150°-160°	4.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7523.2	25.5
0°-40°	12599.6	42.6
0°-60°	24257.5	82.1
0°-90°	28908.0	97.8
90°-120°	547.5	1.9
90°-150°	643.3	2.2
90°-180°	648.0	2.2
0°-180°	29556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9871	9871	9871	9871	9871	
5°	9780	9854	9907	9995	9984	927
15°	9254	9513	9605	9532	9456	2606
25°	8199	8638	8491	8331	8340	3763
35°	6655	7358	7727	9011	9588	4148
45°	4900	6166	8427	10203	10416	3779
55°	3263	5401	7848	6881	6116	2928
65°	1872	3742	3593	1998	1719	1852
75°	754	1751	1154	790	750	822
85°	160	624	588	575	581	178
90°	2	226	388	443	454	11
95°	4	132	309	362	373	3
105°	8	74	200	241	245	9
115°	13	43	124	151	156	13
125°	15	21	72	94	96	13
135°	13	13	34	58	60	10
145°	17	13	15	28	32	10
155°	17	17	13	13	13	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9871.2	9871.2	9871.2	9871.2	9871.2
2.5°	9828.6	9871.2	9873.3	9932.9	9926.5
5°	9779.6	9854.1	9907.4	9994.7	9984.0
7.5°	9698.7	9815.8	9909.5	10005.3	9996.8
10°	9583.7	9743.4	9866.9	9945.7	9920.1
12.5°	9434.6	9645.4	9766.8	9783.8	9734.9
15°	9253.6	9513.4	9605.0	9532.5	9455.9
17.5°	9049.1	9353.6	9385.6	9228.0	9132.2
20°	8793.5	9140.7	9108.7	8891.5	8785.0
22.5°	8510.3	8906.4	8804.2	8576.3	8474.1
25°	8199.3	8638.1	8491.1	8331.4	8339.9
27.5°	7835.2	8333.5	8190.8	8263.2	8399.5
30°	7464.6	8014.1	7926.7	8348.4	8616.8
32.5°	7057.8	7686.1	7764.9	8597.6	9036.3
35°	6655.3	7358.1	7726.6	9010.8	9587.9
37.5°	6210.2	7025.9	7788.3	9487.8	10092.7
40°	5777.9	6702.2	7928.9	9915.9	10427.0
42.5°	5337.0	6412.5	8165.3	10169.3	10567.6
45°	4900.4	6165.5	8427.2	10203.4	10416.4
47.5°	4463.9	5956.8	8608.3	9932.9	9835.0
50°	4042.2	5771.5	8621.0	9283.4	8883.0
52.5°	3648.2	5601.1	8386.8	8248.3	7626.5
55°	3262.7	5400.9	7847.9	6881.1	6116.5
57.5°	2911.3	5124.1	7017.4	5411.6	4576.7
60°	2538.6	4749.2	5944.0	3959.1	3301.0
62.5°	2195.7	4282.8	4740.7	2755.8	2372.5
65°	1872.0	3741.9	3592.8	1997.7	1718.7
67.5°	1529.1	3181.8	2651.5	1456.7	1277.8
70°	1260.8	2662.1	1974.2	1133.0	1028.6
72.5°	986.1	2168.0	1475.9	920.0	862.5
75°	753.9	1750.6	1154.3	790.1	749.7
77.5°	555.9	1384.3	928.5	698.5	660.2
80°	389.7	1090.4	777.3	624.0	609.1
82.5°	262.0	843.4	662.3	594.2	596.3
85°	159.7	624.0	587.8	575.0	581.4
87.5°	76.7	443.0	504.7	523.9	530.3
90°	2.1	225.7	387.6	443.0	453.6
92.5°	0.0	172.5	340.8	396.1	406.8
95°	4.3	132.0	308.8	362.0	372.7
97.5°	4.3	108.6	276.9	332.2	338.6
100°	6.4	93.7	247.0	300.3	306.7
102.5°	6.4	83.1	221.5	268.3	272.6
105°	8.5	74.5	200.2	240.7	244.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.8	51.1	140.6	170.4	174.6
115°	12.8	42.6	123.5	151.2	155.5
117.5°	14.9	38.3	108.6	134.2	136.3
120°	14.9	31.9	93.7	119.3	121.4
122.5°	14.9	25.6	83.1	106.5	108.6
125°	14.9	21.3	72.4	93.7	95.8
127.5°	12.8	14.9	61.8	83.1	85.2
130°	12.8	12.8	51.1	72.4	76.7
132.5°	12.8	12.8	42.6	63.9	68.2
135°	12.8	12.8	34.1	57.5	59.6
137.5°	12.8	12.8	27.7	49.0	53.2
140°	12.8	12.8	21.3	42.6	44.7
142.5°	14.9	12.8	19.2	36.2	38.3
145°	17.0	12.8	14.9	27.7	31.9
147.5°	17.0	14.9	14.9	23.4	25.6
150°	17.0	17.0	12.8	17.0	21.3
152.5°	17.0	17.0	12.8	12.8	17.0
155°	17.0	17.0	12.8	12.8	12.8
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°	10.6	66.0	178.9	215.1	219.4
110°	10.6	57.5	157.6	191.7	195.9



(END OF REPORT)