

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: P830223

Luminaire Tested: **OHBL-30HE-W-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830223
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-L730-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

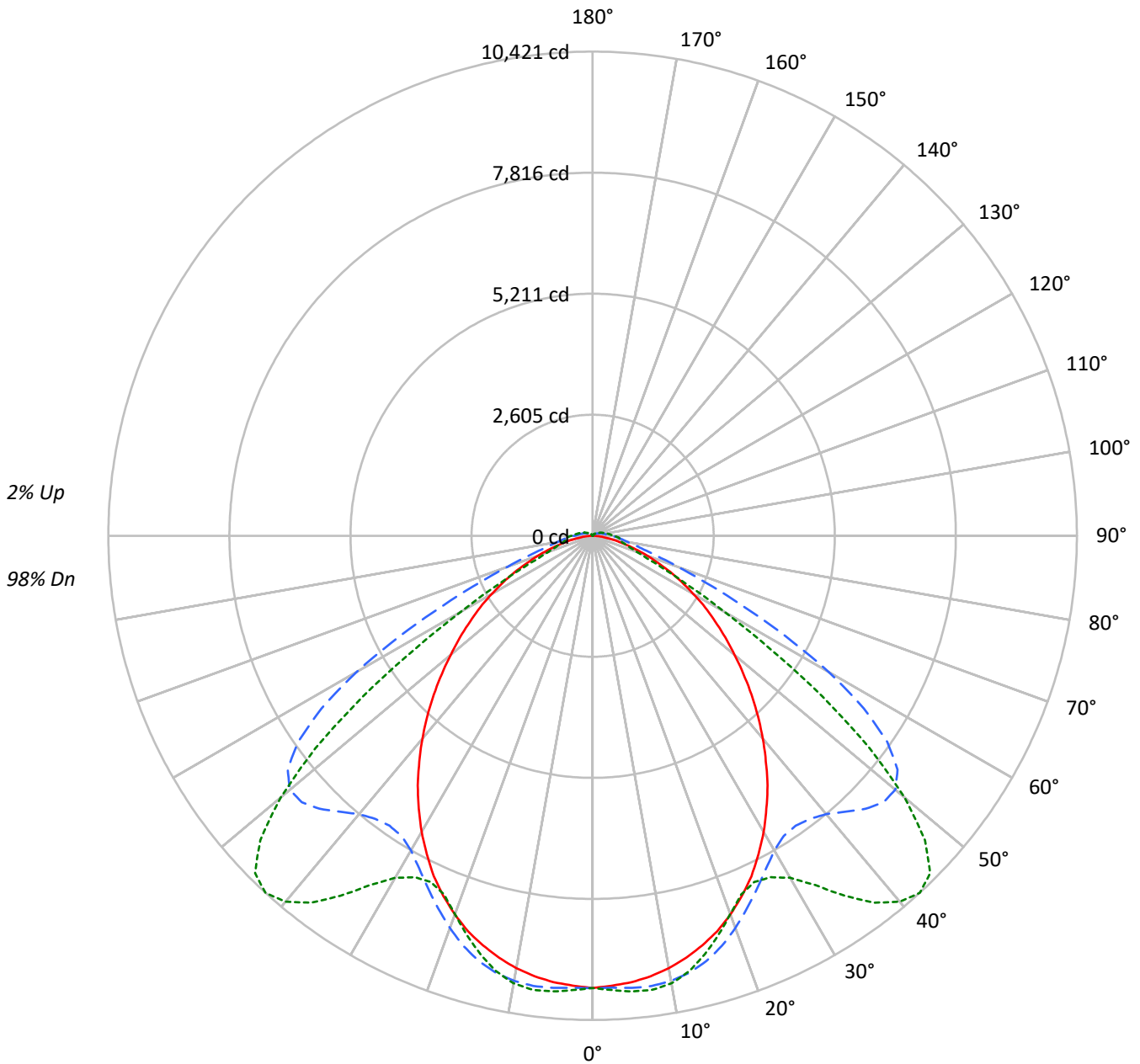
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29144.9 lumens
Efficiency: N/A
Efficacy: 177.9 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15394	15394	15394
5°	15251	15379	15504
10°	15059	15363	15457
15°	14765	15116	14897
20°	14363	14603	14104
25°	13824	13980	13756
30°	13108	13519	14729
35°	12291	13777	17142
40°	11343	14930	19696
45°	10351	16948	21025
50°	9317	18755	19409
55°	8345	18749	14687
60°	7356	15880	8873
65°	6311	10981	5291
70°	5128	7113	3739
75°	3901	5111	3357
80°	2800	4509	3586
85°	1900	4997	5053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	930.2	3.2
10°-20°	2634.0	9.0
20°-30°	3854.4	13.2
30°-40°	5005.8	17.2
40°-50°	6112.6	21.0
50°-60°	5383.1	18.5
60°-70°	2805.2	9.6
70°-80°	1202.9	4.1
80°-90°	577.7	2.0
90°-100°	271.4	0.9
100°-110°	168.7	0.6
110°-120°	99.7	0.3
120°-130°	54.2	0.2
130°-140°	27.2	0.1
140°-150°	13.1	0.0
150°-160°	4.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7418.6	25.5
0°-40°	12424.4	42.6
0°-60°	23920.1	82.1
0°-90°	28506.0	97.8
90°-120°	539.8	1.9
90°-150°	634.4	2.2
90°-180°	639.0	2.2
0°-180°	29144.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9734	9734	9734	9734	9734	
5°	9644	9717	9770	9856	9845	915
15°	9125	9381	9471	9400	9324	2569
25°	8085	8518	8373	8216	8224	3710
35°	6563	7256	7619	8886	9455	4090
45°	4832	6080	8310	10062	10272	3726
55°	3217	5326	7739	6785	6031	2887
65°	1846	3690	3543	1970	1695	1826
75°	743	1726	1138	779	739	811
85°	158	615	580	567	573	176
90°	2	223	382	437	447	11
95°	4	130	304	357	368	3
105°	8	74	197	237	242	9
115°	13	42	122	149	153	13
125°	15	21	71	92	94	13
135°	13	13	34	57	59	10
145°	17	13	15	27	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°	9733.9	9733.9	9733.9	9733.9	9733.9
2.5°	9691.9	9733.9	9736.0	9794.8	9788.5
5°	9643.6	9717.1	9769.6	9855.7	9845.2
7.5°	9563.8	9679.3	9771.7	9866.2	9857.8
10°	9450.4	9607.9	9729.7	9807.4	9782.2
12.5°	9303.4	9511.3	9631.0	9647.8	9599.5
15°	9124.9	9381.1	9471.4	9400.0	9324.4
17.5°	8923.3	9223.6	9255.1	9099.7	9005.2
20°	8671.3	9013.6	8982.1	8767.9	8662.9
22.5°	8391.9	8782.6	8681.8	8457.0	8356.2
25°	8085.3	8517.9	8373.0	8215.5	8223.9
27.5°	7726.2	8217.6	8076.9	8148.3	8282.7
30°	7360.8	7902.6	7816.5	8232.3	8496.9
32.5°	6959.7	7579.2	7656.9	8478.0	8910.7
35°	6562.8	7255.8	7619.1	8885.5	9454.6
37.5°	6123.9	6928.2	7680.0	9355.9	9952.3
40°	5697.5	6609.0	7818.6	9778.0	10282.0
42.5°	5262.8	6323.4	8051.7	10027.9	10420.6
45°	4832.3	6079.7	8310.0	10061.5	10271.5
47.5°	4401.8	5873.9	8488.5	9794.8	9698.2
50°	3986.0	5691.2	8501.1	9154.3	8759.5
52.5°	3597.4	5523.2	8270.1	8133.6	7520.4
55°	3217.3	5325.8	7738.8	6785.4	6031.4
57.5°	2870.8	5052.8	6919.8	5336.3	4513.1
60°	2503.3	4683.2	5861.3	3904.1	3255.1
62.5°	2165.2	4223.3	4674.8	2717.5	2339.5
65°	1846.0	3689.9	3542.8	1969.9	1694.8
67.5°	1507.9	3137.5	2614.6	1436.5	1260.1
70°	1243.3	2625.1	1946.8	1117.2	1014.3
72.5°	972.3	2137.9	1455.4	907.2	850.5
75°	743.4	1726.3	1138.2	779.1	739.2
77.5°	548.1	1365.1	915.6	688.8	651.0
80°	384.3	1075.2	766.5	615.3	600.6
82.5°	258.3	831.6	653.1	585.9	588.0
85°	157.5	615.3	579.6	567.0	573.3
87.5°	75.6	436.8	497.7	516.6	522.9
90°	2.1	222.6	382.2	436.8	447.3
92.5°	0.0	170.1	336.0	390.6	401.1
95°	4.2	130.2	304.5	357.0	367.5
97.5°	4.2	107.1	273.0	327.6	333.9
100°	6.3	92.4	243.6	296.1	302.4
102.5°	6.3	81.9	218.4	264.6	268.8
105°	8.4	73.5	197.4	237.3	241.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.6	50.4	138.6	168.0	172.2
115°	12.6	42.0	121.8	149.1	153.3
117.5°	14.7	37.8	107.1	132.3	134.4
120°	14.7	31.5	92.4	117.6	119.7
122.5°	14.7	25.2	81.9	105.0	107.1
125°	14.7	21.0	71.4	92.4	94.5
127.5°	12.6	14.7	60.9	81.9	84.0
130°	12.6	12.6	50.4	71.4	75.6
132.5°	12.6	12.6	42.0	63.0	67.2
135°	12.6	12.6	33.6	56.7	58.8
137.5°	12.6	12.6	27.3	48.3	52.5
140°	12.6	12.6	21.0	42.0	44.1
142.5°	14.7	12.6	18.9	35.7	37.8
145°	16.8	12.6	14.7	27.3	31.5
147.5°	16.8	14.7	14.7	23.1	25.2
150°	16.8	16.8	12.6	16.8	21.0
152.5°	16.8	16.8	12.6	12.6	16.8
155°	16.8	16.8	12.6	12.6	12.6
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°	10.5	65.1	176.4	212.1	216.3
110°	10.5	56.7	155.4	189.0	193.2



(END OF REPORT)