

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: P829419

Luminaire Tested: **OHB-30SE-NL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829419
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: OHB-30SE-NL-UNV-L730-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

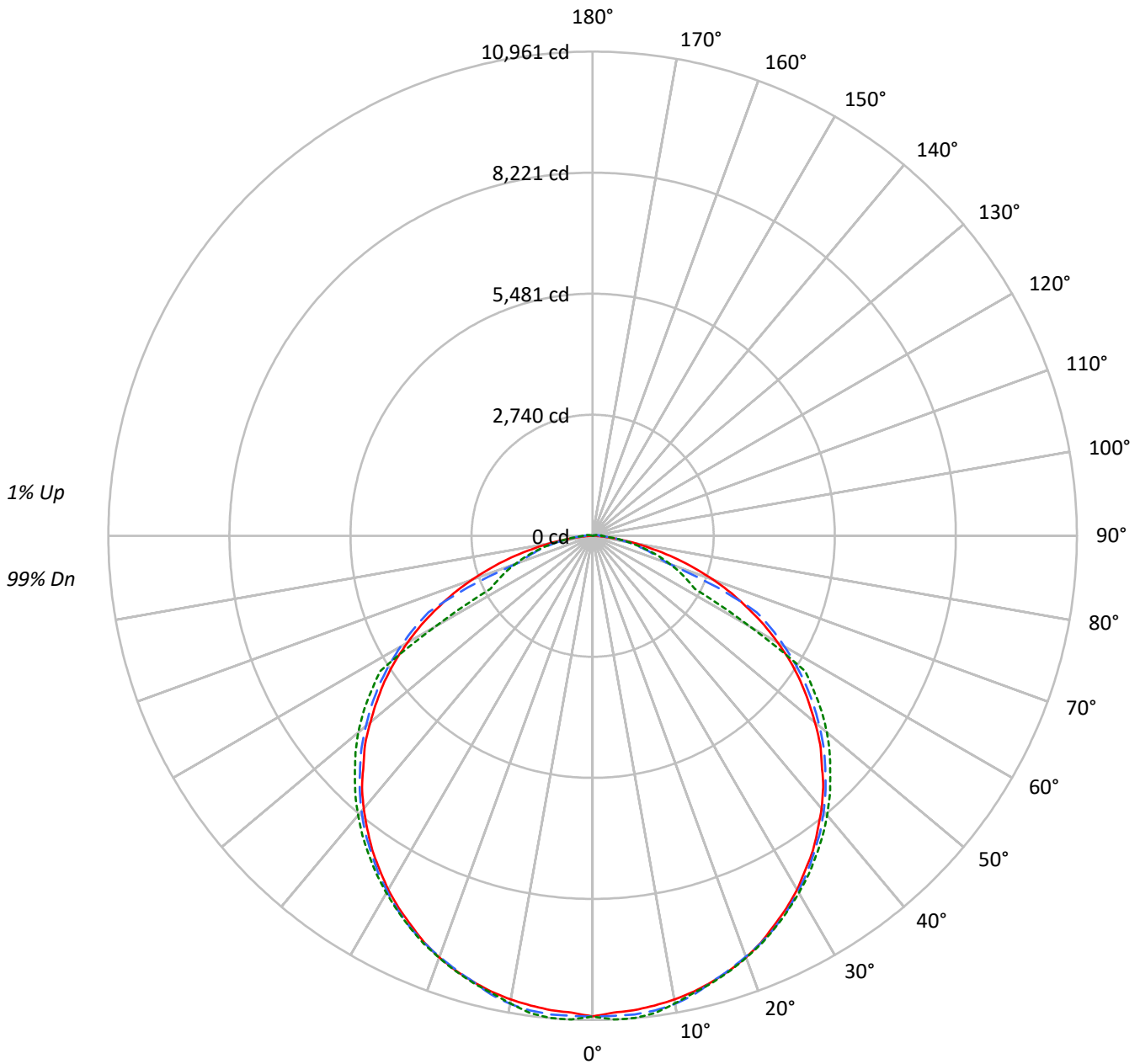
Lumens per Lamp: N/A
Luminaire Lumens: 30550.0 lumens
Efficiency: N/A
Efficacy: 168.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 1.93' x H: 0')
CIE Type: Direct

Input Watts (W): 181
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°	36349	36349	36349
5°	36148	36475	36750
10°	36158	36501	36456
15°	36152	36145	36224
20°	36102	36048	36136
25°	35856	36038	36066
30°	35690	35874	36014
35°	35458	35653	35987
40°	35152	35485	36010
45°	34645	35168	35935
50°	34123	34818	35969
55°	33470	34338	35573
60°	32349	33497	27694
65°	30606	32386	18638
70°	28308	17193	18089
75°	24692	16337	17274
80°	18989	14988	15830
85°	9586	15147	15511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.7	3.4
10°-20°	2959.9	9.7
20°-30°	4503.7	14.7
30°-40°	5475.9	17.9
40°-50°	5757.7	18.8
50°-60°	5257.4	17.2
60°-70°	3370.3	11.0
70°-80°	1592.1	5.2
80°-90°	441.5	1.4
90°-100°	116.9	0.4
100°-110°	32.0	0.1
110°-120°	8.9	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°	8497.4	27.8
0°-40°	13973.3	45.7
0°-60°	24988.4	81.8
0°-90°	30392.2	99.5
90°-120°	157.8	0.5
90°-150°	157.8	0.5
90°-180°	158.0	0.5
0°-180°	30550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10881	10881	10881	10881	10881	
5°	10780	10822	10877	10936	10959	###
15°	10453	10532	10452	10467	10474	2951
25°	9728	9743	9777	9793	9785	4489
35°	8695	8643	8743	8850	8825	5434
45°	7334	7320	7444	7620	7607	5668
55°	5747	5703	5896	6093	6108	5125
65°	3872	3872	4097	2350	2358	3839
75°	1913	1950	1266	1333	1338	2017
85°	250	317	395	428	405	370
90°	0	107	176	208	204	11
95°	6	55	126	170	170	3
105°	10	21	30	30	29	10
115°	10	13	19	13	2	7
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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10881.1	10881.1	10881.1	10881.1	10881.1
2.5°	10804.7	10841.1	10881.1	10932.7	10961.2
5°	10779.9	10821.9	10877.3	10936.5	10959.4
7.5°	10726.5	10785.5	10839.1	10881.1	10894.5
10°	10659.6	10730.3	10760.8	10757.0	10747.5
12.5°	10569.8	10644.4	10634.9	10590.8	10598.5
15°	10453.4	10531.6	10451.6	10466.7	10474.4
17.5°	10315.9	10392.3	10298.8	10329.3	10331.3
20°	10155.6	10212.8	10140.3	10165.1	10165.1
22.5°	9962.8	10002.8	9972.3	9989.5	9993.3
25°	9727.9	9743.1	9777.4	9792.8	9785.1
27.5°	9502.7	9483.5	9550.4	9586.6	9567.4
30°	9252.5	9221.9	9300.2	9359.4	9336.6
32.5°	8966.0	8947.0	9036.8	9107.3	9094.0
35°	8695.0	8643.4	8742.7	8849.6	8824.7
37.5°	8374.2	8343.6	8456.2	8569.0	8555.7
40°	8061.0	8009.5	8137.4	8271.1	8257.7
42.5°	7725.1	7663.8	7803.3	7963.8	7948.4
45°	7333.5	7320.2	7444.3	7620.0	7606.6
47.5°	6986.2	6919.3	7093.0	7263.0	7278.3
50°	6566.0	6541.3	6699.8	6906.0	6921.2
52.5°	6155.6	6138.5	6304.4	6512.6	6539.3
55°	5746.9	5703.0	5895.9	6092.6	6107.9
57.5°	5309.9	5264.0	5460.7	5674.5	5706.9
60°	4841.9	4798.1	5013.7	5212.4	4145.1
62.5°	4374.2	4343.6	4569.0	3236.3	2608.2
65°	3872.0	3872.0	4097.2	2350.3	2358.0
67.5°	3402.5	3371.9	3055.0	2111.6	2111.6
70°	2898.3	2909.8	1760.3	1850.2	1852.0
72.5°	2392.4	2434.4	1519.9	1592.3	1596.1
75°	1913.1	1949.5	1265.8	1332.7	1338.4
77.5°	1405.3	1080.7	1017.6	1069.3	1071.2
80°	987.1	681.6	779.1	828.6	822.9
82.5°	576.5	477.3	570.9	607.2	605.2
85°	250.1	317.0	395.2	427.7	404.7
87.5°	80.0	196.7	246.2	265.4	263.4
90°	0.0	106.9	175.7	208.0	204.4
92.5°	0.0	83.9	152.8	191.0	192.8
95°	5.7	55.4	126.1	170.0	170.0
97.5°	3.8	40.0	89.8	133.6	137.5
100°	3.8	32.3	59.2	95.4	97.4
102.5°	9.5	26.7	36.2	61.0	63.1
105°	9.5	21.0	30.5	30.5	28.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.5	15.4	21.0	15.4	1.8
115°	9.5	13.3	19.0	13.3	1.8
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°	9.5	19.0	26.7	17.2	5.7
110°	11.5	17.2	22.8	15.4	1.8



(END OF REPORT)