

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: P830164

Luminaire Tested: **OHBL-30HE-A-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-A-UNV-L735-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

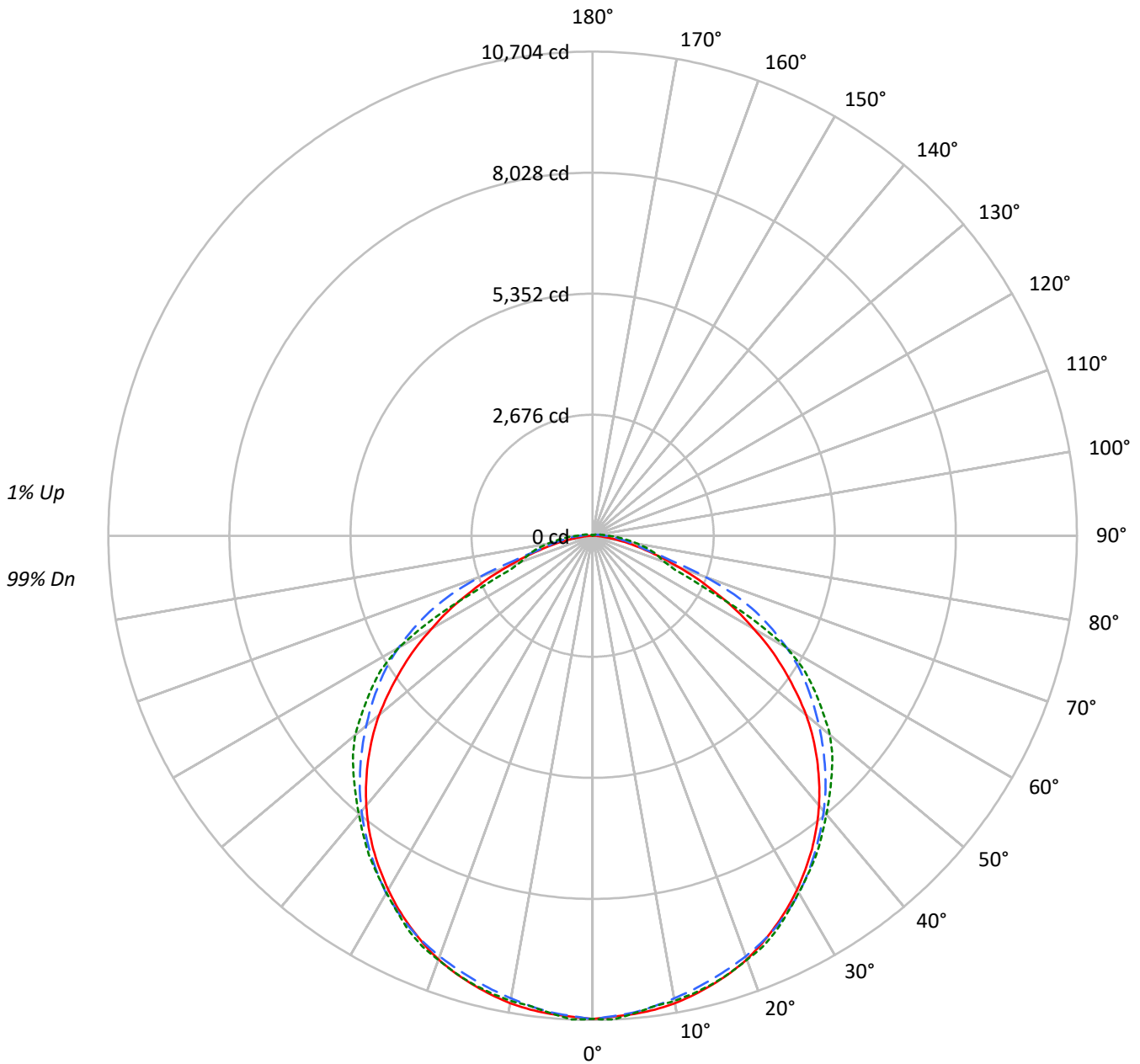
Lumens per Lamp: N/A
Luminaire Lumens: 30192.9 lumens
Efficiency: N/A
Efficacy: 184.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16894	16894	16894
5°	16783	16648	16683
10°	16722	16396	16498
15°	16616	16208	16388
20°	16510	16089	16242
25°	16310	15969	16099
30°	16094	15781	15794
35°	15835	15481	15626
40°	15498	15172	15398
45°	15031	14815	15296
50°	14399	14408	15175
55°	13394	14007	14609
60°	12078	13421	13506
65°	10361	12333	8559
70°	8345	9628	6206
75°	6257	5715	6298
80°	4355	4752	6014
85°	2478	4354	5637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1007.2	3.3
10°-20°	2888.3	9.6
20°-30°	4411.3	14.6
30°-40°	5352.5	17.7
40°-50°	5609.9	18.6
50°-60°	5083.4	16.8
60°-70°	3408.2	11.3
70°-80°	1530.4	5.1
80°-90°	555.4	1.8
90°-100°	167.2	0.6
100°-110°	78.9	0.3
110°-120°	39.5	0.1
120°-130°	21.8	0.1
130°-140°	15.0	0.0
140°-150°	10.1	0.0
150°-160°	7.5	0.0
160°-170°	4.8	0.0
170°-180°	1.5	0.0
0°-30°	8306.9	27.5
0°-40°	13659.3	45.2
0°-60°	24352.7	80.7
0°-90°	29846.7	98.9
90°-120°	285.6	0.9
90°-150°	332.4	1.1
90°-180°	346.0	1.1
0°-180°	30192.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10682	10682	10682	10682	10682	
5°	10613	10650	10576	10608	10594	###
15°	10268	10228	10156	10245	10258	2899
25°	9539	9498	9564	9652	9624	4397
35°	8455	8475	8562	8653	8619	5285
45°	7017	7131	7264	7450	7473	5406
55°	5164	5412	5781	6013	5999	4609
65°	3030	3505	3979	3358	2742	3020
75°	1192	1730	1273	1302	1387	1303
85°	205	394	505	610	640	251
90°	2	131	261	328	343	12
95°	2	82	179	218	224	2
105°	6	36	88	107	111	7
115°	12	18	45	57	60	12
125°	11	12	28	32	34	11
135°	14	15	17	25	26	11
145°	14	15	15	17	18	9
155°	15	17	17	17	15	7
165°	17	17	17	17	17	5
175°	17	17	15	14	14	2
180°	15	15	15	15	15	



TEST NUMBER: P830164

CATALOG NUMBER: OHBL-30HE-A-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10682.3	10682.3	10682.3	10682.3	10682.3
2.5°	10639.1	10683.9	10628.2	10688.5	10703.9
5°	10612.8	10649.9	10575.7	10608.2	10594.3
7.5°	10564.9	10577.3	10489.2	10515.5	10487.7
10°	10493.9	10487.7	10384.2	10435.2	10441.4
12.5°	10388.8	10370.3	10277.6	10354.9	10356.4
15°	10268.4	10228.2	10155.6	10245.2	10257.5
17.5°	10129.3	10076.8	10029.0	10144.8	10126.3
20°	9967.2	9905.4	9896.1	10022.8	9976.4
22.5°	9766.4	9718.5	9740.1	9860.6	9831.2
25°	9539.3	9497.6	9564.0	9652.1	9624.3
27.5°	9299.9	9275.2	9350.9	9418.8	9364.8
30°	9037.3	9023.4	9123.8	9179.4	9111.5
32.5°	8751.6	8756.2	8852.0	8927.7	8864.3
35°	8455.0	8475.1	8561.6	8652.7	8618.8
37.5°	8129.1	8173.9	8260.4	8363.9	8328.4
40°	7784.7	7849.6	7945.3	8070.4	8038.0
42.5°	7412.4	7494.3	7617.9	7756.9	7753.8
45°	7017.0	7131.3	7264.2	7449.5	7472.7
47.5°	6606.2	6734.4	6902.7	7149.9	7185.4
50°	6159.8	6320.4	6530.5	6827.0	6848.7
52.5°	5662.4	5881.8	6159.8	6444.0	6417.7
55°	5163.5	5412.2	5781.4	6013.0	5999.1
57.5°	4666.2	4945.7	5393.7	5558.9	5557.4
60°	4110.1	4463.8	4953.5	5078.6	4955.0
62.5°	3595.8	3975.7	4483.9	4392.8	3969.6
65°	3030.5	3504.6	3978.8	3357.9	2741.6
67.5°	2528.5	3022.7	3379.5	2299.9	1969.3
70°	2023.4	2568.6	2635.1	1706.8	1683.6
72.5°	1575.5	2156.2	1818.0	1461.2	1535.3
75°	1192.4	1729.9	1272.7	1302.1	1387.0
77.5°	869.6	1328.3	990.1	1141.4	1210.9
80°	597.8	940.6	807.8	959.2	1007.1
82.5°	375.3	620.9	647.2	772.3	821.7
85°	205.4	393.9	505.1	610.1	639.5
87.5°	85.0	237.9	386.1	471.1	495.8
90°	1.5	131.3	261.0	327.5	342.9
92.5°	1.5	100.4	213.2	264.1	274.9
95°	1.5	81.9	179.2	217.8	224.0
97.5°	3.1	64.9	149.8	180.7	186.9
100°	4.6	54.1	125.1	151.4	156.0
102.5°	6.2	43.2	105.0	126.7	131.3
105°	6.2	35.5	88.0	106.6	111.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.8	21.6	52.5	66.4	69.5
115°	12.4	18.5	44.8	57.1	60.2
117.5°	12.4	15.4	38.6	47.9	51.0
120°	12.4	13.9	34.0	41.7	43.2
122.5°	12.4	12.4	29.3	37.1	38.6
125°	10.8	12.4	27.8	32.4	34.0
127.5°	12.4	12.4	24.7	29.3	30.9
130°	12.4	13.9	21.6	27.8	27.8
132.5°	13.9	15.4	20.1	26.3	26.3
135°	13.9	15.4	17.0	24.7	26.3
137.5°	15.4	15.4	15.4	23.2	24.7
140°	15.4	15.4	13.9	20.1	21.6
142.5°	13.9	15.4	13.9	18.5	20.1
145°	13.9	15.4	15.4	17.0	18.5
147.5°	15.4	15.4	15.4	15.4	17.0
150°	15.4	15.4	15.4	15.4	15.4
152.5°	15.4	15.4	15.4	15.4	15.4
155°	15.4	17.0	17.0	17.0	15.4
157.5°	15.4	17.0	17.0	17.0	17.0
160°	15.4	17.0	17.0	17.0	17.0
162.5°	17.0	17.0	17.0	17.0	17.0
165°	17.0	17.0	17.0	17.0	17.0
167.5°	17.0	18.5	17.0	17.0	17.0
170°	17.0	17.0	17.0	15.4	15.4
172.5°	17.0	17.0	17.0	15.4	15.4
175°	17.0	17.0	15.4	13.9	13.9
177.5°	18.5	17.0	15.4	13.9	12.4
180°	15.4	15.4	15.4	15.4	15.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.7	29.3	75.7	91.1	94.2
110°	9.3	24.7	63.3	77.2	80.3



(END OF REPORT)