

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: P830235

Luminaire Tested: **OHBL-30SE-A-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830235
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-30SE-A-UNV-L730-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

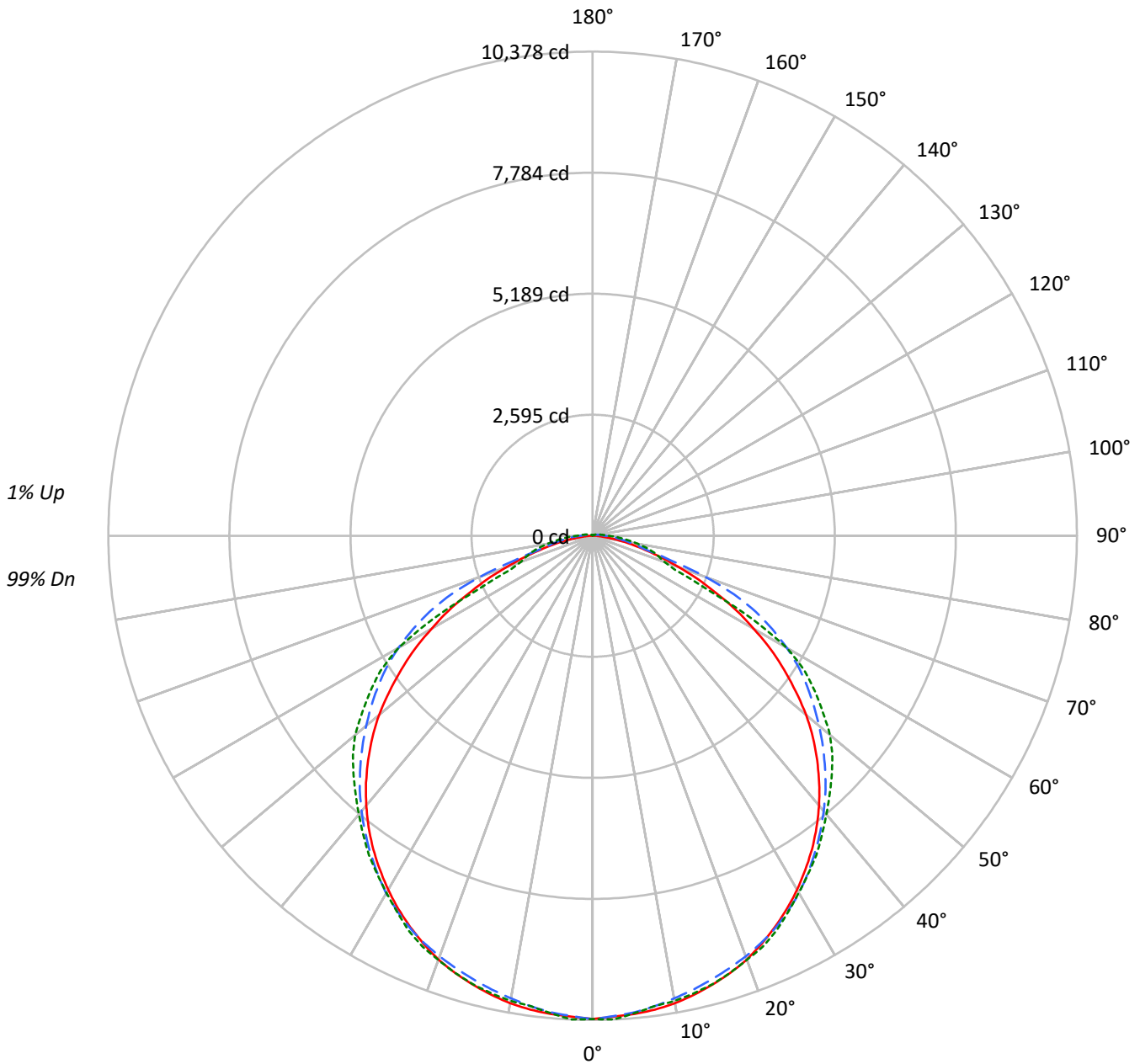
Lumens per Lamp: N/A
Luminaire Lumens: 29275.1 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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	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°	17691	17691	17691
5°	17575	17426	17459
10°	17510	17154	17254
15°	17399	16949	17127
20°	17288	16817	16964
25°	17080	16683	16802
30°	16853	16478	16472
35°	16582	16156	16284
40°	16229	15823	16031
45°	15740	15440	15910
50°	15078	15003	15765
55°	14025	14572	15156
60°	12648	13945	13988
65°	10849	12795	8846
70°	8739	9968	6395
75°	6552	5900	6463
80°	4561	4883	6128
85°	2596	4433	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.6	3.3
10°-20°	2800.5	9.6
20°-30°	4277.2	14.6
30°-40°	5189.7	17.7
40°-50°	5439.3	18.6
50°-60°	4928.9	16.8
60°-70°	3304.6	11.3
70°-80°	1483.9	5.1
80°-90°	538.5	1.8
90°-100°	162.1	0.6
100°-110°	76.5	0.3
110°-120°	38.3	0.1
120°-130°	21.2	0.1
130°-140°	14.6	0.0
140°-150°	9.8	0.0
150°-160°	7.3	0.0
160°-170°	4.7	0.0
170°-180°	1.5	0.0
0°-30°	8054.3	27.5
0°-40°	13244.0	45.2
0°-60°	23612.2	80.7
0°-90°	28939.2	98.9
90°-120°	276.9	0.9
90°-150°	322.4	1.1
90°-180°	336.0	1.1
0°-180°	29275.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10358	10358	10358	10358	10358	
5°	10290	10326	10254	10286	10272	979
15°	9956	9917	9847	9934	9946	2811
25°	9249	9209	9273	9359	9332	4263
35°	8198	8217	8301	8390	8357	5124
45°	6804	6914	7043	7223	7246	5241
55°	5006	5248	5606	5830	5817	4469
65°	2938	3398	3858	3256	2658	2928
75°	1156	1677	1234	1262	1345	1264
85°	199	382	490	592	620	243
90°	2	127	253	318	332	12
95°	2	79	174	211	217	2
105°	6	34	85	103	108	7
115°	12	18	43	55	58	11
125°	10	12	27	31	33	10
135°	14	15	16	24	26	11
145°	14	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	5
175°	16	16	15	14	14	2
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10357.5	10357.5	10357.5	10357.5	10357.5
2.5°	10315.6	10359.0	10305.1	10363.5	10378.5
5°	10290.1	10326.1	10254.2	10285.6	10272.2
7.5°	10243.7	10255.7	10170.3	10195.8	10168.8
10°	10174.8	10168.8	10068.5	10117.9	10123.9
12.5°	10073.0	10055.0	9965.1	10040.0	10041.5
15°	9956.2	9917.2	9846.8	9933.7	9945.7
17.5°	9821.4	9770.5	9724.0	9836.3	9818.4
20°	9664.1	9604.2	9595.2	9718.0	9673.1
22.5°	9469.4	9423.0	9444.0	9560.8	9532.3
25°	9249.3	9208.8	9273.2	9358.6	9331.7
27.5°	9017.2	8993.2	9066.6	9132.5	9080.1
30°	8762.6	8749.1	8846.4	8900.3	8834.4
32.5°	8485.5	8490.0	8582.8	8656.2	8594.8
35°	8198.0	8217.4	8301.3	8389.7	8356.7
37.5°	7882.0	7925.4	8009.3	8109.6	8075.2
40°	7548.0	7610.9	7703.7	7825.0	7793.6
42.5°	7187.1	7266.4	7386.2	7521.0	7518.0
45°	6803.7	6914.5	7043.3	7223.0	7245.5
47.5°	6405.3	6529.6	6692.9	6932.5	6966.9
50°	5972.5	6128.2	6331.9	6619.5	6640.4
52.5°	5490.3	5702.9	5972.5	6248.1	6222.6
55°	5006.5	5247.7	5605.6	5830.2	5816.7
57.5°	4524.3	4795.4	5229.7	5389.9	5388.4
60°	3985.2	4328.1	4802.9	4924.2	4804.4
62.5°	3486.5	3854.9	4347.6	4259.2	3848.9
65°	2938.3	3398.1	3857.9	3255.8	2658.3
67.5°	2451.6	2930.8	3276.8	2230.0	1909.5
70°	1961.9	2490.5	2554.9	1654.9	1632.4
72.5°	1527.6	2090.7	1762.7	1416.7	1488.6
75°	1156.2	1677.3	1234.0	1262.5	1344.9
77.5°	843.2	1288.0	960.0	1106.7	1174.1
80°	579.6	912.0	783.3	930.0	976.4
82.5°	363.9	602.0	627.5	748.8	796.7
85°	199.2	381.9	489.7	591.6	620.0
87.5°	82.4	230.6	374.4	456.8	480.7
90°	1.5	127.3	253.1	317.5	332.5
92.5°	1.5	97.3	206.7	256.1	266.6
95°	1.5	79.4	173.7	211.2	217.2
97.5°	3.0	62.9	145.3	175.2	181.2
100°	4.5	52.4	121.3	146.8	151.3
102.5°	6.0	41.9	101.8	122.8	127.3
105°	6.0	34.4	85.4	103.3	107.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.5	21.0	50.9	64.4	67.4
115°	12.0	18.0	43.4	55.4	58.4
117.5°	12.0	15.0	37.4	46.4	49.4
120°	12.0	13.5	32.9	40.4	41.9
122.5°	12.0	12.0	28.5	35.9	37.4
125°	10.5	12.0	27.0	31.4	32.9
127.5°	12.0	12.0	24.0	28.5	30.0
130°	12.0	13.5	21.0	27.0	27.0
132.5°	13.5	15.0	19.5	25.5	25.5
135°	13.5	15.0	16.5	24.0	25.5
137.5°	15.0	15.0	15.0	22.5	24.0
140°	15.0	15.0	13.5	19.5	21.0
142.5°	13.5	15.0	13.5	18.0	19.5
145°	13.5	15.0	15.0	16.5	18.0
147.5°	15.0	15.0	15.0	15.0	16.5
150°	15.0	15.0	15.0	15.0	15.0
152.5°	15.0	15.0	15.0	15.0	15.0
155°	15.0	16.5	16.5	16.5	15.0
157.5°	15.0	16.5	16.5	16.5	16.5
160°	15.0	16.5	16.5	16.5	16.5
162.5°	16.5	16.5	16.5	16.5	16.5
165°	16.5	16.5	16.5	16.5	16.5
167.5°	16.5	18.0	16.5	16.5	16.5
170°	16.5	16.5	16.5	15.0	15.0
172.5°	16.5	16.5	16.5	15.0	15.0
175°	16.5	16.5	15.0	13.5	13.5
177.5°	18.0	16.5	15.0	13.5	12.0
180°	15.0	15.0	15.0	15.0	15.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.5	28.5	73.4	88.4	91.4
110°	9.0	24.0	61.4	74.9	77.9



(END OF REPORT)