

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: P830255

Luminaire Tested: **OHBL-30SE-MCL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830255
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-MCL-UNV-L930-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

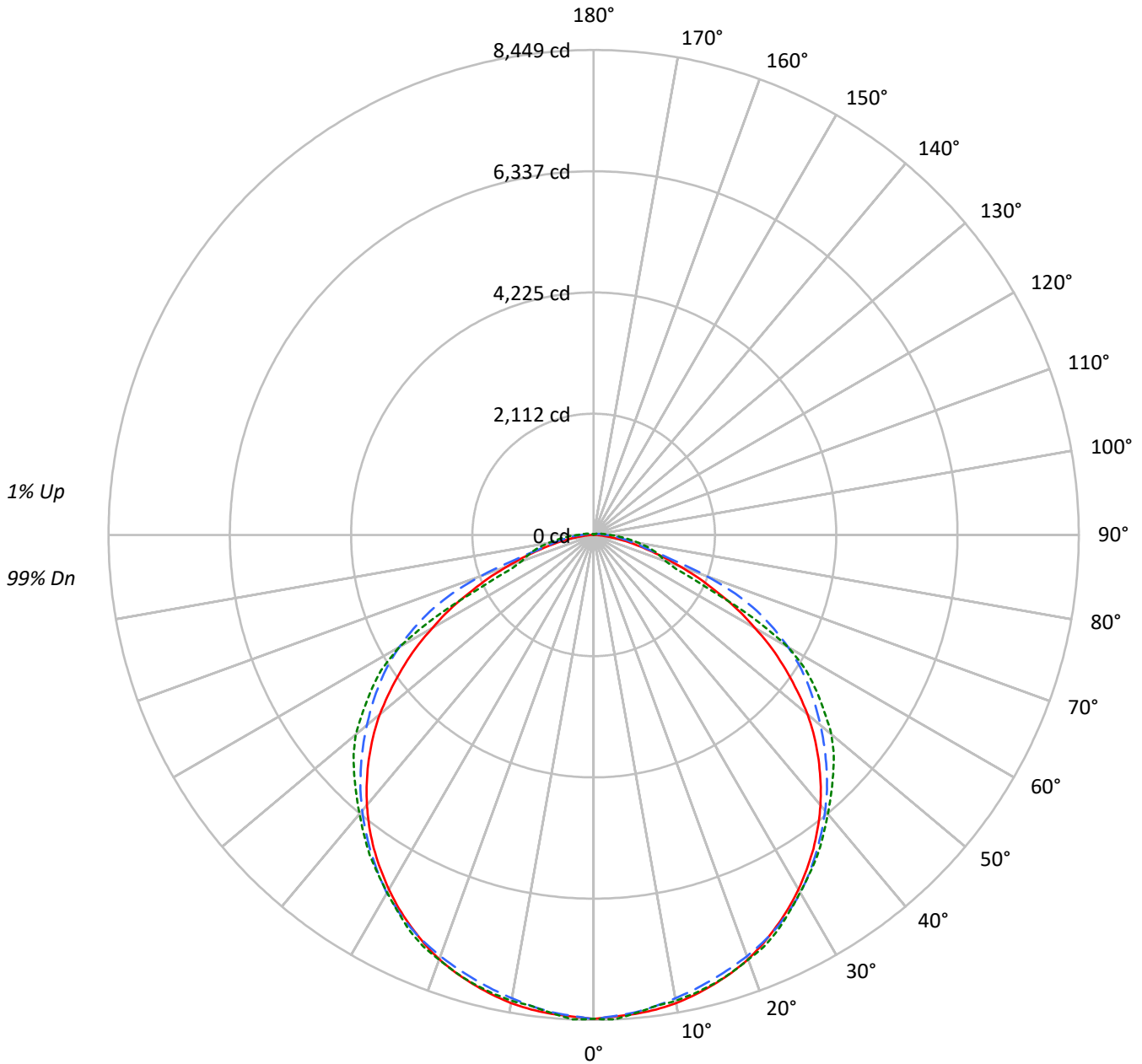
Lumens per Lamp: N/A
Luminaire Lumens: 23832.0 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
Input Voltage (V): NR
Input Current (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°	14401	14401	14401
5°	14307	14186	14213
10°	14255	13965	14046
15°	14164	13797	13943
20°	14074	13690	13810
25°	13904	13581	13678
30°	13719	13414	13410
35°	13498	13152	13256
40°	13211	12881	13051
45°	12814	12569	12952
50°	12274	12214	12834
55°	11418	11863	12338
60°	10296	11353	11387
65°	8832	10416	7201
70°	7114	8115	5206
75°	5334	4803	5261
80°	3712	3975	4989
85°	2112	3609	4615



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.0	3.3
10°-20°	2279.8	9.6
20°-30°	3482.0	14.6
30°-40°	4224.8	17.7
40°-50°	4428.0	18.6
50°-60°	4012.5	16.8
60°-70°	2690.2	11.3
70°-80°	1208.0	5.1
80°-90°	438.4	1.8
90°-100°	131.9	0.6
100°-110°	62.3	0.3
110°-120°	31.2	0.1
120°-130°	17.2	0.1
130°-140°	11.8	0.0
140°-150°	8.0	0.0
150°-160°	5.9	0.0
160°-170°	3.8	0.0
170°-180°	1.2	0.0
0°-30°	6556.8	27.5
0°-40°	10781.6	45.2
0°-60°	19222.1	80.7
0°-90°	23558.7	98.9
90°-120°	225.4	0.9
90°-150°	262.4	1.1
90°-180°	273.0	1.1
0°-180°	23832.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8432	8432	8432	8432	8432	
5°	8377	8406	8348	8373	8362	797
15°	8105	8073	8016	8087	8096	2288
25°	7530	7497	7549	7619	7597	3471
35°	6674	6690	6758	6830	6803	4171
45°	5539	5629	5734	5880	5898	4267
55°	4076	4272	4563	4746	4735	3638
65°	2392	2766	3141	2650	2164	2383
75°	941	1366	1005	1028	1095	1029
85°	162	311	399	482	505	198
90°	1	104	206	258	271	10
95°	1	65	141	172	177	2
105°	5	28	70	84	88	6
115°	10	15	35	45	48	9
125°	8	10	22	26	27	9
135°	11	12	13	20	21	9
145°	11	12	12	13	15	7
155°	12	13	13	13	12	6
165°	13	13	13	13	13	4
175°	13	13	12	11	11	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8431.8	8431.8	8431.8	8431.8	8431.8
2.5°	8397.6	8433.0	8389.1	8436.7	8448.9
5°	8376.9	8406.2	8347.7	8373.3	8362.3
7.5°	8339.1	8348.9	8279.4	8300.1	8278.2
10°	8283.0	8278.2	8196.5	8236.7	8241.6
12.5°	8200.1	8185.5	8112.4	8173.3	8174.5
15°	8105.0	8073.3	8016.0	8086.8	8096.5
17.5°	7995.3	7953.9	7916.1	8007.5	7992.9
20°	7867.3	7818.5	7811.2	7911.2	7874.6
22.5°	7708.8	7671.0	7688.1	7783.2	7760.0
25°	7529.6	7496.7	7549.1	7618.6	7596.7
27.5°	7340.6	7321.1	7380.9	7434.5	7391.8
30°	7133.4	7122.4	7201.6	7245.5	7191.9
32.5°	6907.8	6911.5	6987.1	7046.8	6996.8
35°	6673.7	6689.6	6757.9	6829.8	6803.0
37.5°	6416.5	6451.8	6520.1	6601.8	6573.8
40°	6144.6	6195.8	6271.4	6370.2	6344.6
42.5°	5850.8	5915.4	6012.9	6122.7	6120.2
45°	5538.7	5628.9	5733.8	5880.1	5898.3
47.5°	5214.4	5315.6	5448.5	5643.5	5671.6
50°	4862.1	4988.8	5154.7	5388.7	5405.8
52.5°	4469.5	4642.6	4862.1	5086.4	5065.7
55°	4075.7	4272.0	4563.4	4746.2	4735.3
57.5°	3683.1	3903.8	4257.3	4387.8	4386.6
60°	3244.2	3523.4	3909.9	4008.6	3911.1
62.5°	2838.2	3138.1	3539.3	3467.3	3133.3
65°	2392.0	2766.3	3140.6	2650.5	2164.0
67.5°	1995.8	2385.9	2667.5	1815.3	1554.4
70°	1597.1	2027.5	2079.9	1347.2	1328.9
72.5°	1243.6	1702.0	1435.0	1153.3	1211.9
75°	941.2	1365.5	1004.6	1027.8	1094.8
77.5°	686.4	1048.5	781.5	901.0	955.8
80°	471.8	742.5	637.6	757.1	794.9
82.5°	296.3	490.1	510.8	609.6	648.6
85°	162.1	310.9	398.7	481.6	504.7
87.5°	67.1	187.8	304.8	371.8	391.4
90°	1.2	103.6	206.0	258.5	270.7
92.5°	1.2	79.2	168.2	208.5	217.0
95°	1.2	64.6	141.4	171.9	176.8
97.5°	2.4	51.2	118.3	142.6	147.5
100°	3.7	42.7	98.8	119.5	123.1
102.5°	4.9	34.1	82.9	100.0	103.6
105°	4.9	28.0	69.5	84.1	87.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.5	17.1	41.5	52.4	54.9
115°	9.8	14.6	35.4	45.1	47.5
117.5°	9.8	12.2	30.5	37.8	40.2
120°	9.8	11.0	26.8	32.9	34.1
122.5°	9.8	9.8	23.2	29.3	30.5
125°	8.5	9.8	21.9	25.6	26.8
127.5°	9.8	9.8	19.5	23.2	24.4
130°	9.8	11.0	17.1	21.9	21.9
132.5°	11.0	12.2	15.8	20.7	20.7
135°	11.0	12.2	13.4	19.5	20.7
137.5°	12.2	12.2	12.2	18.3	19.5
140°	12.2	12.2	11.0	15.8	17.1
142.5°	11.0	12.2	11.0	14.6	15.8
145°	11.0	12.2	12.2	13.4	14.6
147.5°	12.2	12.2	12.2	12.2	13.4
150°	12.2	12.2	12.2	12.2	12.2
152.5°	12.2	12.2	12.2	12.2	12.2
155°	12.2	13.4	13.4	13.4	12.2
157.5°	12.2	13.4	13.4	13.4	13.4
160°	12.2	13.4	13.4	13.4	13.4
162.5°	13.4	13.4	13.4	13.4	13.4
165°	13.4	13.4	13.4	13.4	13.4
167.5°	13.4	14.6	13.4	13.4	13.4
170°	13.4	13.4	13.4	12.2	12.2
172.5°	13.4	13.4	13.4	12.2	12.2
175°	13.4	13.4	12.2	11.0	11.0
177.5°	14.6	13.4	12.2	11.0	9.8
180°	12.2	12.2	12.2	12.2	12.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.1	23.2	59.7	71.9	74.4
110°	7.3	19.5	50.0	61.0	63.4



(END OF REPORT)