

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: P830279

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-N-UNV-L930-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

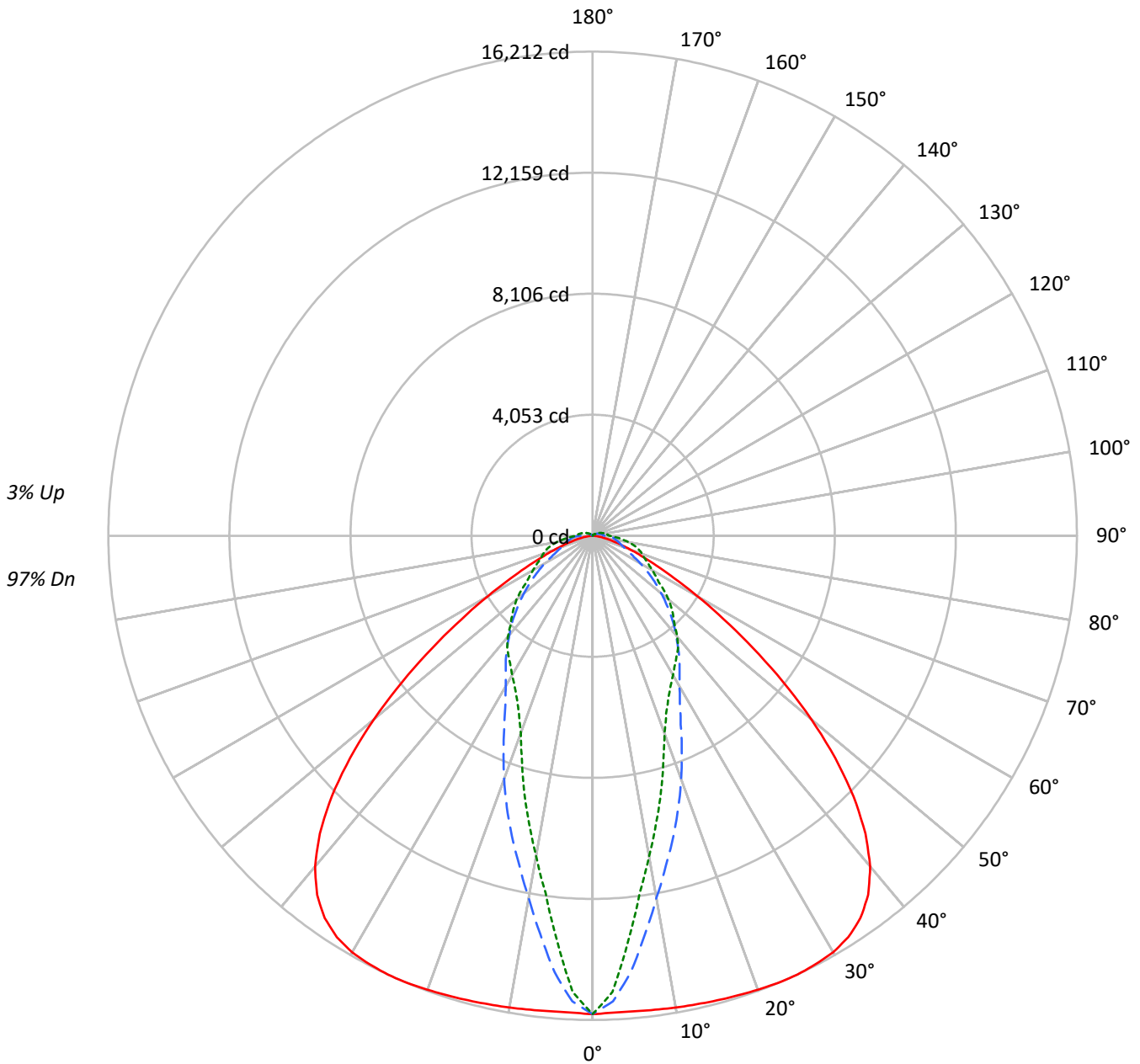
Lumens per Lamp: N/A
Luminaire Lumens: 23637.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27354	27354	27354
5°	27298	24910	23161
10°	27606	20983	18571
15°	28146	17946	15243
20°	28936	15174	12329
25°	29937	12560	10803
30°	30972	10820	10035
35°	31616	9861	9561
40°	31075	8907	9071
45°	28588	8049	8398
50°	24119	7111	7882
55°	18327	6229	7014
60°	12843	5342	6715
65°	8639	4601	6574
70°	5900	4317	6896
75°	4094	4453	7369
80°	2819	4931	7586
85°	1648	6168	7958



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1348.2	5.7
10°-20°	3171.5	13.4
20°-30°	3975.4	16.8
30°-40°	4218.3	17.8
40°-50°	3814.0	16.1
50°-60°	2765.4	11.7
60°-70°	1735.4	7.3
70°-80°	1148.4	4.9
80°-90°	661.6	2.8
90°-100°	320.5	1.4
100°-110°	221.2	0.9
110°-120°	136.5	0.6
120°-130°	66.1	0.3
130°-140°	30.4	0.1
140°-150°	16.6	0.1
150°-160°	7.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8495.0	35.9
0°-40°	12713.3	53.8
0°-60°	19292.8	81.6
0°-90°	22838.3	96.6
90°-120°	678.3	2.9
90°-150°	791.4	3.3
90°-180°	799.0	3.4
0°-180°	23637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16015	16015	16015	16015	16015	
5°	15983	15573	14659	13979	13627	###
15°	16105	13127	10426	9272	8851	4567
25°	16212	10150	6981	6196	6000	7490
35°	15631	6748	5067	4908	4907	9717
45°	12357	4274	3672	3760	3824	9414
55°	6542	2649	2396	2599	2692	5911
65°	2340	1536	1387	1777	1975	2435
75°	722	828	931	1446	1533	805
85°	126	343	681	948	870	152
90°	0	143	395	556	561	8
95°	6	101	348	472	494	5
105°	12	67	253	335	344	12
115°	17	47	171	213	218	16
125°	18	24	87	110	108	16
135°	15	18	38	59	59	12
145°	18	20	23	35	34	11
155°	18	23	24	26	23	6
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°	16015.3	16015.3	16015.3	16015.3	16015.3
2.5°	15981.8	15890.3	15605.3	15431.5	15285.2
5°	15983.3	15573.3	14658.7	13978.9	13626.8
7.5°	16006.2	15094.7	13447.0	12454.7	12067.5
10°	16041.2	14501.7	12316.0	11258.1	10896.9
12.5°	16067.2	13834.1	11320.6	10233.8	9837.5
15°	16105.3	13126.9	10425.9	9272.0	8851.3
17.5°	16140.3	12460.8	9541.8	8336.1	7868.2
20°	16175.4	11742.8	8657.8	7415.5	7029.9
22.5°	16208.9	10985.3	7795.0	6700.6	6436.9
25°	16212.0	10150.0	6981.1	6196.1	5999.5
27.5°	16172.3	9284.2	6321.1	5773.9	5651.9
30°	16103.7	8444.4	5808.9	5469.0	5382.1
32.5°	15933.0	7587.7	5412.6	5174.8	5124.5
35°	15631.2	6747.9	5066.6	4908.1	4906.6
37.5°	15155.6	6002.5	4691.7	4664.2	4697.7
40°	14453.0	5350.1	4336.5	4409.7	4409.7
42.5°	13515.6	4783.1	4014.9	4089.6	4069.8
45°	12357.1	4274.0	3671.9	3760.3	3824.4
47.5°	11014.3	3825.9	3321.3	3492.1	3580.5
50°	9554.0	3399.1	3001.3	3219.2	3319.8
52.5°	8023.7	3004.3	2688.8	2938.8	3019.5
55°	6542.1	2649.2	2396.1	2598.9	2691.8
57.5°	5200.8	2310.8	2109.6	2301.6	2493.7
60°	4046.9	2019.6	1839.8	2114.1	2306.2
62.5°	3091.2	1760.5	1586.7	1938.9	2130.9
65°	2339.7	1536.4	1387.1	1777.3	1975.4
67.5°	1763.6	1342.9	1231.6	1659.9	1853.5
70°	1324.6	1155.4	1106.6	1586.7	1760.5
72.5°	978.6	983.1	1007.5	1522.7	1655.3
75°	722.5	827.7	931.3	1446.5	1533.4
77.5°	516.7	685.9	862.7	1355.1	1385.5
80°	358.2	559.4	791.1	1234.6	1208.7
82.5°	224.1	448.1	727.1	1102.0	1030.4
85°	126.5	343.0	681.3	948.1	870.3
87.5°	56.4	256.1	596.0	739.3	690.5
90°	0.0	143.3	394.8	556.4	560.9
92.5°	3.0	118.9	364.3	509.1	524.3
95°	6.1	100.6	347.5	472.5	493.9
97.5°	7.6	88.4	326.2	439.0	457.3
100°	9.1	79.3	300.3	403.9	419.2
102.5°	10.7	73.2	275.9	367.3	379.5
105°	12.2	67.1	253.0	335.3	344.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.2	51.8	190.5	240.8	248.5
115°	16.8	47.3	170.7	213.4	218.0
117.5°	18.3	41.2	149.4	187.5	189.0
120°	18.3	36.6	128.0	160.0	160.0
122.5°	18.3	30.5	106.7	132.6	131.1
125°	18.3	24.4	86.9	109.7	108.2
127.5°	16.8	19.8	70.1	91.5	89.9
130°	16.8	19.8	56.4	77.7	77.7
132.5°	15.2	18.3	45.7	67.1	67.1
135°	15.2	18.3	38.1	59.4	59.4
137.5°	15.2	19.8	32.0	51.8	51.8
140°	15.2	18.3	27.4	45.7	45.7
142.5°	16.8	18.3	24.4	39.6	39.6
145°	18.3	19.8	22.9	35.1	33.5
147.5°	18.3	21.3	22.9	30.5	29.0
150°	18.3	22.9	22.9	27.4	25.9
152.5°	18.3	22.9	22.9	25.9	24.4
155°	18.3	22.9	24.4	25.9	22.9
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°	12.2	62.5	231.7	300.3	310.9
110°	13.7	56.4	211.9	268.3	278.9



(END OF REPORT)