

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: P830273

Luminaire Tested: **OHBL-30SE-N-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830273
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-L740-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

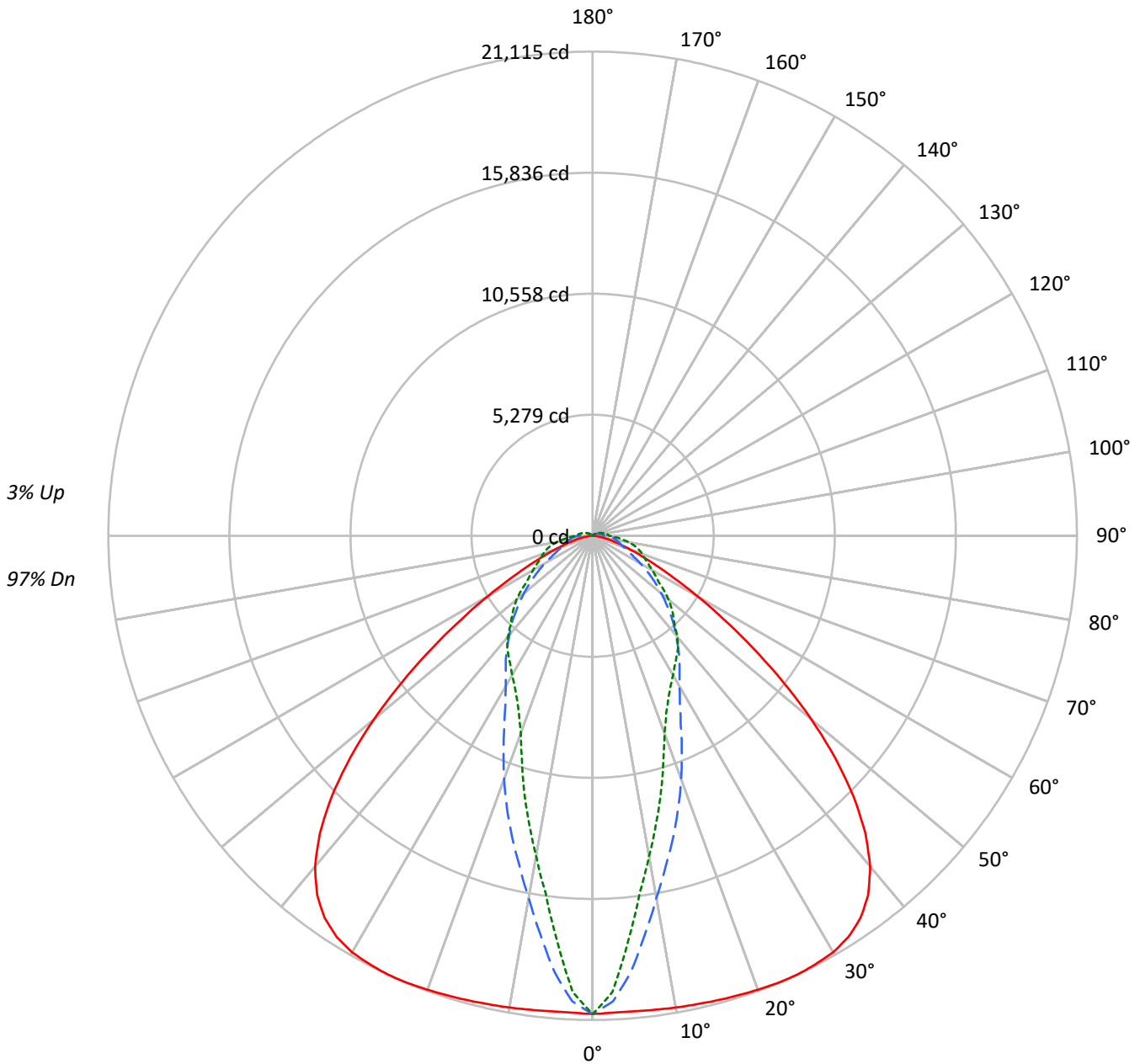
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30785.0 lumens
Efficiency: N/A
Efficacy: 176.9 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°	35626	35626	35626
5°	35554	32444	30165
10°	35955	27328	24187
15°	36657	23372	19852
20°	37687	19762	16057
25°	38990	16358	14069
30°	40338	14092	13070
35°	41177	12843	12452
40°	40473	11601	11814
45°	37233	10483	10937
50°	31413	9262	10265
55°	23869	8112	9135
60°	16727	6957	8745
65°	11252	5992	8561
70°	7684	5623	8982
75°	5332	5799	9597
80°	3671	6422	9880
85°	2147	8034	10364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1755.8	5.7
10°-20°	4130.5	13.4
20°-30°	5177.6	16.8
30°-40°	5494.0	17.8
40°-50°	4967.4	16.1
50°-60°	3601.7	11.7
60°-70°	2260.3	7.3
70°-80°	1495.8	4.9
80°-90°	861.7	2.8
90°-100°	417.5	1.4
100°-110°	288.1	0.9
110°-120°	177.8	0.6
120°-130°	86.1	0.3
130°-140°	39.6	0.1
140°-150°	21.6	0.1
150°-160°	9.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	11063.9	35.9
0°-40°	16557.9	53.8
0°-60°	25127.1	81.6
0°-90°	29744.8	96.6
90°-120°	883.4	2.9
90°-150°	1030.8	3.3
90°-180°	1040.0	3.4
0°-180°	30785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20858	20858	20858	20858	20858	
5°	20817	20283	19092	18206	17748	###
15°	20976	17096	13579	12076	11528	5949
25°	21115	13219	9092	8070	7814	9755
35°	20358	8788	6599	6392	6390	12656
45°	16094	5566	4782	4898	4981	12260
55°	8520	3450	3121	3385	3506	7699
65°	3047	2001	1806	2315	2573	3171
75°	941	1078	1213	1884	1997	1049
85°	165	447	887	1235	1134	198
90°	0	187	514	725	731	11
95°	8	131	453	615	643	7
105°	16	87	330	437	449	16
115°	22	62	222	278	284	21
125°	24	32	113	143	141	21
135°	20	24	50	77	77	16
145°	24	26	30	46	44	14
155°	24	30	32	34	30	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830273

CATALOG NUMBER: OHBL-30SE-N-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20858.5	20858.5	20858.5	20858.5	20858.5
2.5°	20814.8	20695.7	20324.5	20098.1	19907.6
5°	20816.8	20282.8	19091.7	18206.3	17747.7
7.5°	20846.6	19659.4	17513.4	16221.1	15716.8
10°	20892.2	18887.2	16040.4	14662.7	14192.2
12.5°	20926.0	18017.7	14744.1	13328.6	12812.5
15°	20975.6	17096.5	13578.8	12076.0	11528.0
17.5°	21021.3	16229.0	12427.3	10857.0	10247.6
20°	21066.9	15294.0	11275.9	9658.0	9155.7
22.5°	21110.6	14307.3	10152.3	8726.9	8383.5
25°	21114.6	13219.4	9092.2	8069.8	7813.7
27.5°	21063.0	12091.8	8232.6	7519.9	7361.1
30°	20973.6	10998.0	7565.6	7122.9	7009.7
32.5°	20751.3	9882.3	7049.4	6739.7	6674.2
35°	20358.2	8788.5	6598.8	6392.3	6390.4
37.5°	19738.8	7817.7	6110.4	6074.7	6118.4
40°	18823.7	6968.0	5647.9	5743.2	5743.2
42.5°	17602.8	6229.6	5229.0	5326.3	5300.5
45°	16094.0	5566.5	4782.3	4897.5	4980.9
47.5°	14345.0	4982.8	4325.7	4548.1	4663.2
50°	12443.2	4427.0	3908.9	4192.7	4323.8
52.5°	10450.1	3912.8	3501.9	3827.5	3932.7
55°	8520.5	3450.3	3120.7	3384.8	3505.9
57.5°	6773.5	3009.6	2747.5	2997.6	3247.8
60°	5270.7	2630.4	2396.1	2753.5	3003.6
62.5°	4026.0	2292.9	2066.6	2525.2	2775.3
65°	3047.3	2001.1	1806.5	2314.7	2572.8
67.5°	2296.9	1749.0	1604.0	2161.9	2414.0
70°	1725.1	1504.8	1441.3	2066.6	2292.9
72.5°	1274.5	1280.5	1312.2	1983.2	2155.9
75°	941.0	1078.0	1213.0	1884.0	1997.1
77.5°	673.0	893.3	1123.6	1764.8	1804.5
80°	466.5	728.6	1030.3	1608.0	1574.3
82.5°	291.8	583.6	946.9	1435.3	1342.0
85°	164.8	446.7	887.4	1234.8	1133.5
87.5°	73.5	333.5	776.2	962.8	899.3
90°	0.0	186.6	514.2	724.6	730.6
92.5°	4.0	154.8	474.5	663.1	682.9
95°	7.9	131.0	452.6	615.4	643.2
97.5°	9.9	115.1	424.8	571.7	595.6
100°	11.9	103.2	391.1	526.1	545.9
102.5°	13.9	95.3	359.3	478.4	494.3
105°	15.9	87.3	329.5	436.7	448.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.9	67.5	248.1	313.7	323.6
115°	21.8	61.5	222.3	277.9	283.9
117.5°	23.8	53.6	194.5	244.2	246.2
120°	23.8	47.6	166.8	208.4	208.4
122.5°	23.8	39.7	139.0	172.7	170.7
125°	23.8	31.8	113.2	142.9	140.9
127.5°	21.8	25.8	91.3	119.1	117.1
130°	21.8	25.8	73.5	101.2	101.2
132.5°	19.9	23.8	59.6	87.3	87.3
135°	19.9	23.8	49.6	77.4	77.4
137.5°	19.9	25.8	41.7	67.5	67.5
140°	19.9	23.8	35.7	59.6	59.6
142.5°	21.8	23.8	31.8	51.6	51.6
145°	23.8	25.8	29.8	45.7	43.7
147.5°	23.8	27.8	29.8	39.7	37.7
150°	23.8	29.8	29.8	35.7	33.7
152.5°	23.8	29.8	29.8	33.7	31.8
155°	23.8	29.8	31.8	33.7	29.8
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°	15.9	81.4	301.8	391.1	405.0
110°	17.9	73.5	275.9	349.4	363.3



(END OF REPORT)