

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: P830261

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-MFL-UNV-L740-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

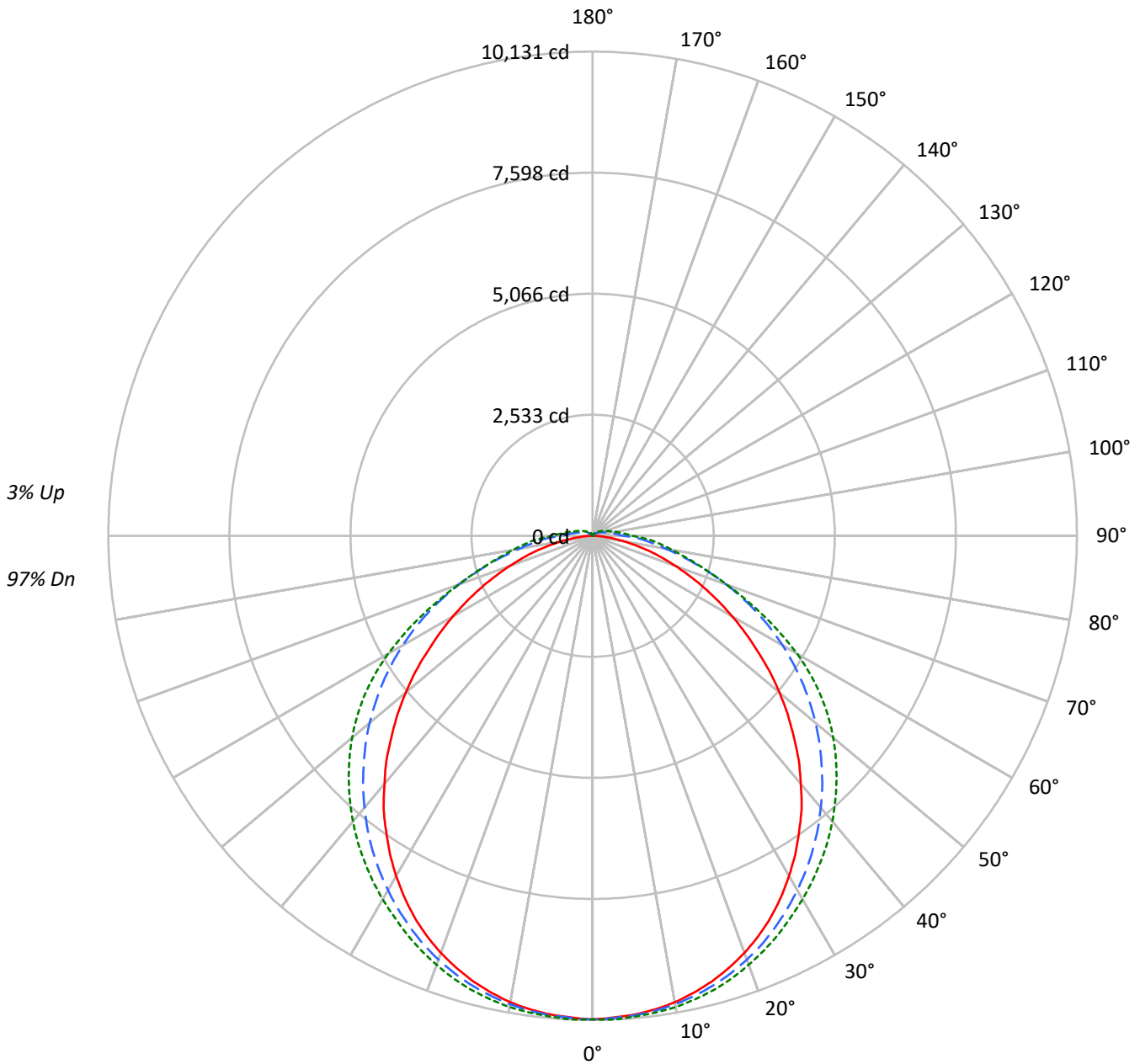
Lumens per Lamp: N/A
Luminaire Lumens: 30292.0 lumens
Efficiency: N/A
Efficacy: 174.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				20				
RC	80				70				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	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	86	84	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17287	17287	17287
5°	17177	17116	17165
10°	17056	16957	17064
15°	16866	16769	16935
20°	16613	16541	16752
25°	16275	16257	16565
30°	15807	15950	16378
35°	15241	15625	16214
40°	14561	15249	16050
45°	13760	14840	15845
50°	12882	14427	15597
55°	11804	13922	15187
60°	10700	13327	14389
65°	9494	12570	13090
70°	8187	11607	11683
75°	6864	10493	10713
80°	5204	9666	10556
85°	3293	9956	11642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	959.1	3.2
10°-20°	2751.4	9.1
20°-30°	4161.1	13.7
30°-40°	4995.4	16.5
40°-50°	5159.4	17.0
50°-60°	4641.9	15.3
60°-70°	3496.6	11.5
70°-80°	2111.4	7.0
80°-90°	1032.6	3.4
90°-100°	434.7	1.4
100°-110°	248.1	0.8
110°-120°	145.6	0.5
120°-130°	82.4	0.3
130°-140°	43.4	0.1
140°-150°	21.1	0.1
150°-160°	7.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7871.5	26.0
0°-40°	12866.9	42.5
0°-60°	22668.2	74.8
0°-90°	29308.9	96.8
90°-120°	828.4	2.7
90°-150°	975.3	3.2
90°-180°	983.0	3.2
0°-180°	30292.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10122	10122	10122	10122	10122	
5°	10057	10084	10072	10112	10099	955
15°	9651	9698	9742	9824	9834	2721
25°	8814	8910	9036	9178	9200	4054
35°	7535	7711	8028	8271	8321	4711
45°	5948	6247	6770	7139	7216	4592
55°	4214	4650	5356	5759	5829	3778
65°	2571	3096	3790	3978	3934	2555
75°	1211	1739	2195	2252	2229	1292
85°	253	666	1100	1251	1273	292
90°	0	260	629	793	825	16
95°	12	176	471	600	622	10
105°	17	102	272	357	372	17
115°	20	57	168	225	235	20
125°	20	27	102	146	154	18
135°	17	22	52	89	99	14
145°	25	22	25	45	52	15
155°	25	27	25	22	25	8
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°	10121.5	10121.5	10121.5	10121.5	10121.5
2.5°	10091.8	10116.6	10101.7	10133.9	10131.4
5°	10057.1	10084.4	10072.0	10111.6	10099.2
7.5°	9997.7	10027.4	10024.9	10069.5	10064.5
10°	9911.0	9943.2	9953.1	10012.5	10012.5
12.5°	9792.1	9834.2	9858.9	9930.8	9933.3
15°	9650.9	9697.9	9742.5	9824.3	9834.2
17.5°	9479.9	9539.4	9601.3	9695.5	9707.8
20°	9286.7	9353.6	9437.8	9536.9	9551.8
22.5°	9063.8	9143.1	9252.1	9368.5	9385.8
25°	8813.6	8910.2	9036.5	9177.7	9200.0
27.5°	8528.7	8640.2	8811.1	8969.7	8989.5
30°	8219.1	8350.4	8563.4	8751.7	8783.9
32.5°	7892.1	8043.2	8305.8	8516.3	8560.9
35°	7535.4	7711.3	8028.4	8271.1	8320.7
37.5°	7183.7	7376.9	7736.1	8013.5	8072.9
40°	6772.5	7012.7	7423.9	7731.1	7802.9
42.5°	6386.0	6646.1	7111.8	7446.2	7515.6
45°	5947.6	6247.3	6770.0	7139.1	7215.9
47.5°	5536.4	5860.9	6440.5	6822.0	6901.3
50°	5102.9	5459.6	6088.8	6487.6	6569.3
52.5°	4669.4	5053.3	5724.6	6138.3	6215.1
55°	4213.6	4649.6	5355.5	5759.3	5828.7
57.5°	3790.0	4250.7	4976.5	5360.5	5402.6
60°	3371.4	3849.4	4590.1	4927.0	4941.9
62.5°	2962.6	3465.5	4193.8	4461.3	4441.5
65°	2571.3	3096.4	3790.0	3978.3	3933.7
67.5°	2194.7	2737.2	3376.3	3497.7	3438.2
70°	1838.0	2387.9	2975.0	3037.0	2982.5
72.5°	1523.4	2056.0	2568.8	2620.8	2581.2
75°	1211.3	1738.9	2194.7	2251.7	2229.4
77.5°	919.0	1431.8	1850.4	1924.7	1929.7
80°	661.4	1151.9	1550.7	1667.1	1682.0
82.5°	436.0	894.2	1300.5	1449.1	1471.4
85°	252.7	666.3	1099.8	1250.9	1273.2
87.5°	109.0	480.6	884.3	1020.6	1047.8
90°	0.0	260.1	629.2	792.7	824.9
92.5°	7.4	215.5	540.0	688.6	715.9
95°	12.4	175.9	470.7	599.5	621.8
97.5°	14.9	148.6	408.7	522.7	545.0
100°	14.9	128.8	354.2	458.3	478.1
102.5°	14.9	113.9	309.6	401.3	418.6
105°	17.3	101.6	272.5	356.7	371.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.8	66.9	188.3	252.7	262.6
115°	19.8	57.0	168.4	225.4	235.3
117.5°	22.3	49.5	148.6	203.1	210.6
120°	22.3	42.1	131.3	180.8	190.7
122.5°	22.3	34.7	116.4	163.5	170.9
125°	19.8	27.2	101.6	146.2	153.6
127.5°	17.3	22.3	86.7	131.3	138.7
130°	17.3	19.8	74.3	116.4	123.9
132.5°	17.3	22.3	61.9	101.6	111.5
135°	17.3	22.3	52.0	89.2	99.1
137.5°	17.3	22.3	42.1	76.8	86.7
140°	19.8	22.3	34.7	64.4	74.3
142.5°	22.3	22.3	27.2	54.5	61.9
145°	24.8	22.3	24.8	44.6	52.0
147.5°	24.8	24.8	24.8	34.7	42.1
150°	24.8	27.2	24.8	27.2	34.7
152.5°	24.8	27.2	24.8	22.3	27.2
155°	24.8	27.2	24.8	22.3	24.8
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°	17.3	89.2	240.3	317.1	329.5
110°	17.3	79.3	213.0	282.4	294.8



(END OF REPORT)