

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: P829779

Luminaire Tested: **OHBL-12SE-NL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-NL-UNV-L730-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

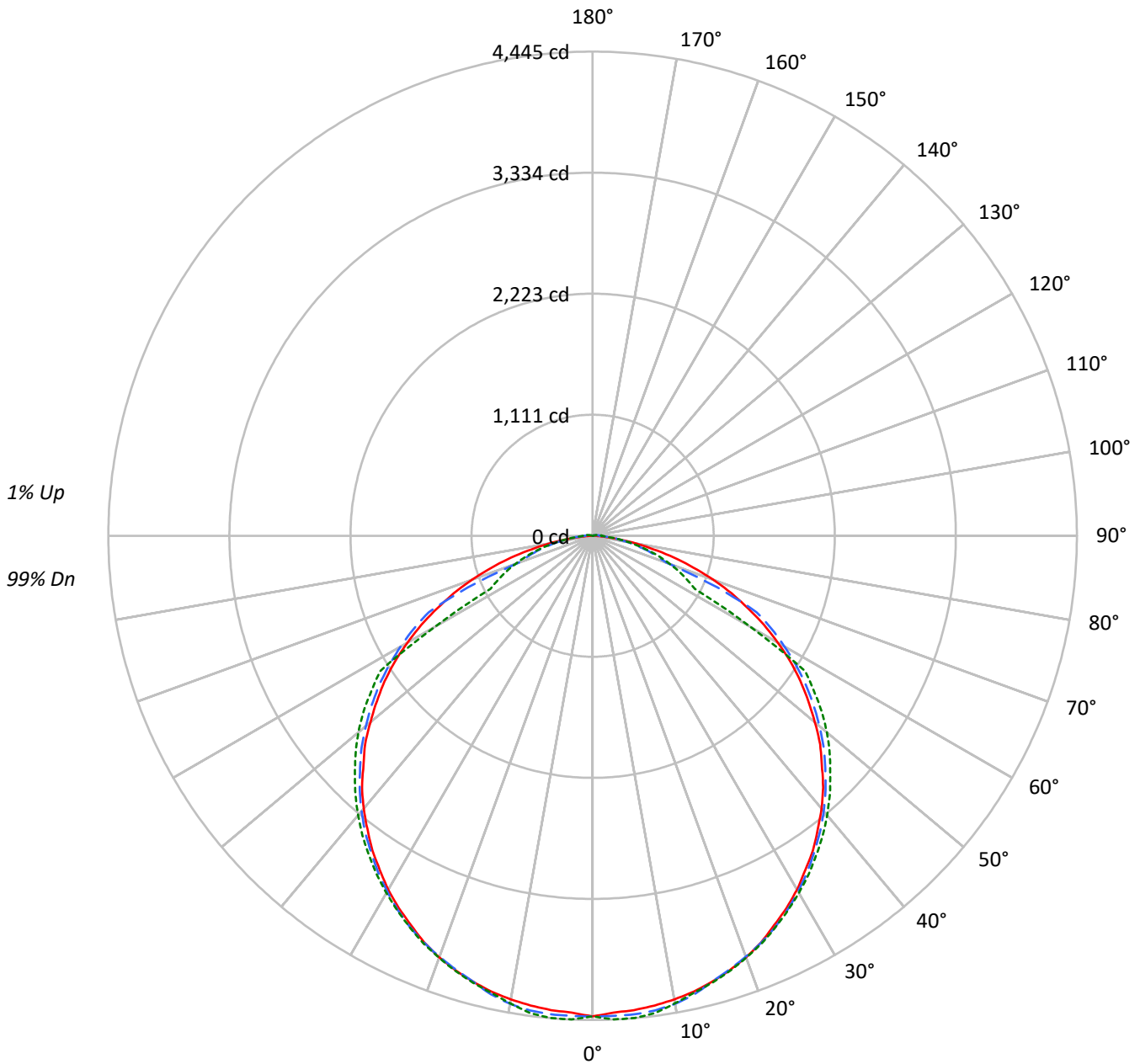
Lumens per Lamp: N/A
Luminaire Lumens: 12388.0 lumens
Efficiency: N/A
Efficacy: 177.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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					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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102					99				
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84				
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71				
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60				
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51				
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44				
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39				
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34				
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30				
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27				
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14355	14355	14355
5°	14275	14404	14513
10°	14279	14415	14397
15°	14277	14274	14306
20°	14257	14236	14271
25°	14160	14232	14243
30°	14094	14167	14223
35°	14003	14080	14212
40°	13882	14014	14221
45°	13682	13889	14191
50°	13476	13750	14204
55°	13218	13561	14048
60°	12775	13229	10936
65°	12087	12789	7361
70°	11180	6790	7144
75°	9752	6452	6822
80°	7500	5918	6252
85°	3785	5980	6125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.2	3.4
10°-20°	1200.2	9.7
20°-30°	1826.3	14.7
30°-40°	2220.5	17.9
40°-50°	2334.7	18.8
50°-60°	2131.9	17.2
60°-70°	1366.6	11.0
70°-80°	645.6	5.2
80°-90°	179.0	1.4
90°-100°	47.4	0.4
100°-110°	13.0	0.1
110°-120°	3.6	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3445.7	27.8
0°-40°	5666.2	45.7
0°-60°	10132.8	81.8
0°-90°	12324.0	99.5
90°-120°	64.0	0.5
90°-150°	64.0	0.5
90°-180°	64.0	0.5
0°-180°	12388.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4412	4412	4412	4412	4412	
5°	4371	4388	4411	4435	4444	416
15°	4239	4271	4238	4244	4247	1197
25°	3945	3951	3965	3971	3968	1820
35°	3526	3505	3545	3588	3578	2203
45°	2974	2968	3019	3090	3084	2299
55°	2330	2313	2391	2470	2477	2078
65°	1570	1570	1661	953	956	1557
75°	776	790	513	540	543	818
85°	101	128	160	173	164	150
90°	0	43	71	84	83	4
95°	2	22	51	69	69	1
105°	4	8	12	12	12	4
115°	4	5	8	5	1	3
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4412.3	4412.3	4412.3	4412.3	4412.3
2.5°	4381.3	4396.1	4412.3	4433.2	4444.7
5°	4371.2	4388.3	4410.7	4434.7	4444.0
7.5°	4349.6	4373.5	4395.2	4412.3	4417.7
10°	4322.4	4351.1	4363.5	4362.0	4358.1
12.5°	4286.1	4316.3	4312.4	4294.6	4297.7
15°	4238.8	4270.6	4238.1	4244.3	4247.4
17.5°	4183.1	4214.1	4176.1	4188.5	4189.3
20°	4118.1	4141.3	4111.9	4122.0	4122.0
22.5°	4039.9	4056.1	4043.8	4050.7	4052.3
25°	3944.7	3950.8	3964.7	3971.0	3967.9
27.5°	3853.3	3845.6	3872.7	3887.4	3879.6
30°	3751.9	3739.5	3771.2	3795.2	3786.0
32.5°	3635.7	3628.0	3664.4	3693.0	3687.6
35°	3525.8	3504.9	3545.1	3588.5	3578.4
37.5°	3395.7	3383.3	3429.0	3474.7	3469.3
40°	3268.7	3247.8	3299.7	3353.9	3348.5
42.5°	3132.5	3107.7	3164.2	3229.3	3223.1
45°	2973.7	2968.3	3018.7	3089.9	3084.5
47.5°	2832.9	2805.8	2876.2	2945.1	2951.4
50°	2662.5	2652.5	2716.8	2800.4	2806.5
52.5°	2496.1	2489.1	2556.4	2640.9	2651.7
55°	2330.4	2312.6	2390.8	2470.5	2476.8
57.5°	2153.2	2134.5	2214.3	2301.0	2314.1
60°	1963.4	1945.6	2033.1	2113.6	1680.8
62.5°	1773.7	1761.3	1852.7	1312.3	1057.6
65°	1570.1	1570.1	1661.4	953.0	956.2
67.5°	1379.7	1367.3	1238.8	856.2	856.2
70°	1175.3	1179.9	713.8	750.3	751.0
72.5°	970.1	987.1	616.3	645.7	647.2
75°	775.8	790.5	513.3	540.4	542.7
77.5°	569.8	438.2	412.6	433.6	434.4
80°	400.3	276.4	315.9	336.0	333.7
82.5°	233.8	193.5	231.5	246.2	245.4
85°	101.4	128.5	160.2	173.4	164.1
87.5°	32.5	79.8	99.8	107.6	106.8
90°	0.0	43.4	71.2	84.3	82.9
92.5°	0.0	34.0	62.0	77.5	78.2
95°	2.3	22.5	51.1	68.9	68.9
97.5°	1.6	16.2	36.4	54.2	55.7
100°	1.6	13.1	24.0	38.7	39.5
102.5°	3.9	10.8	14.7	24.8	25.6
105°	3.9	8.5	12.4	12.4	11.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	6.2	8.5	6.2	0.7
115°	3.9	5.4	7.7	5.4	0.7
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	3.9	7.7	10.8	7.0	2.3
110°	4.7	7.0	9.3	6.2	0.7



(END OF REPORT)