

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: P829767

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829767
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-12SE-N-UNV-L730-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

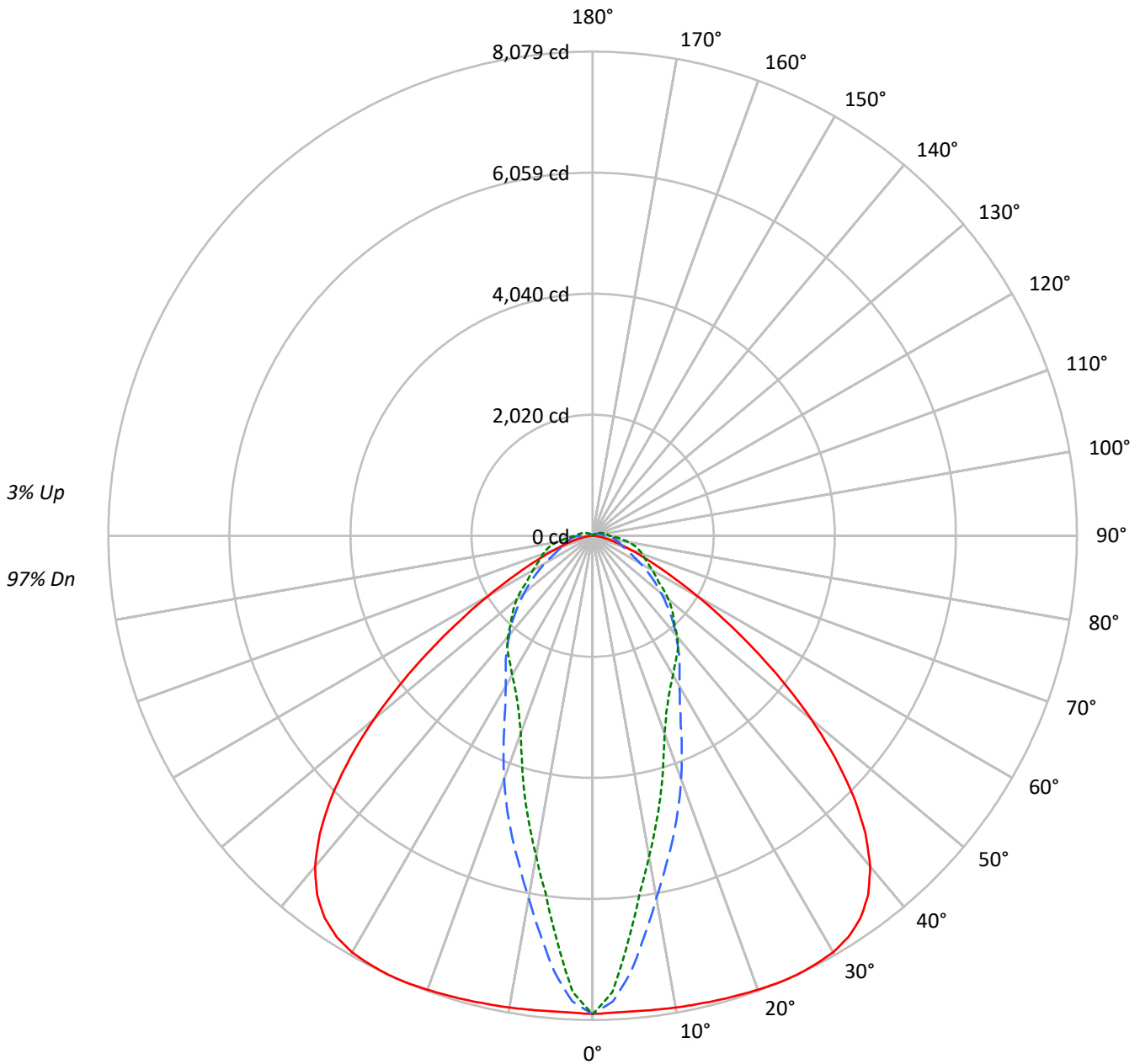
Lumens per Lamp: N/A
Luminaire Lumens: 11779.0 lumens
Efficiency: N/A
Efficacy: 168.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25964	25964	25964
5°	25911	23515	21813
10°	26204	19699	17356
15°	26716	16754	14135
20°	27466	14086	11342
25°	28416	11591	9856
30°	29399	9924	9077
35°	30010	8984	8568
40°	29496	8056	8046
45°	27136	7221	7365
50°	22894	6320	6824
55°	17396	5476	5981
60°	12191	4634	5622
65°	8201	3925	5380
70°	5601	3604	5478
75°	3886	3603	5613
80°	2675	3805	5424
85°	1564	4376	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.8	5.7
10°-20°	1580.4	13.4
20°-30°	1981.1	16.8
30°-40°	2102.1	17.8
40°-50°	1900.6	16.1
50°-60°	1378.1	11.7
60°-70°	864.8	7.3
70°-80°	572.3	4.9
80°-90°	329.7	2.8
90°-100°	159.7	1.4
100°-110°	110.3	0.9
110°-120°	68.0	0.6
120°-130°	33.0	0.3
130°-140°	15.2	0.1
140°-150°	8.3	0.1
150°-160°	3.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4233.3	35.9
0°-40°	6335.4	53.8
0°-60°	9614.2	81.6
0°-90°	11381.0	96.6
90°-120°	338.0	2.9
90°-150°	394.4	3.3
90°-180°	398.0	3.4
0°-180°	11779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7981	7981	7981	7981	7981	
5°	7965	7761	7305	6966	6791	761
15°	8026	6542	5196	4620	4411	2276
25°	8079	5058	3479	3088	2990	3732
35°	7790	3363	2525	2446	2445	4842
45°	6158	2130	1830	1874	1906	4691
55°	3260	1320	1194	1295	1341	2946
65°	1166	766	691	886	984	1213
75°	360	412	464	721	764	401
85°	63	171	340	472	434	76
90°	0	71	197	277	280	4
95°	3	50	173	236	246	3
105°	6	33	126	167	172	6
115°	8	24	85	106	109	8
125°	9	12	43	55	54	8
135°	8	9	19	30	30	6
145°	9	10	11	18	17	5
155°	9	11	12	13	11	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-12SE-N-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7980.9	7980.9	7980.9	7980.9	7980.9
2.5°	7964.2	7918.6	7776.6	7690.0	7617.1
5°	7964.9	7760.6	7304.9	6966.1	6790.6
7.5°	7976.3	7522.1	6701.0	6206.5	6013.6
10°	7993.8	7226.6	6137.4	5610.3	5430.2
12.5°	8006.7	6893.9	5641.4	5099.8	4902.3
15°	8025.7	6541.5	5195.5	4620.5	4410.9
17.5°	8043.2	6209.6	4755.0	4154.1	3920.9
20°	8060.7	5851.8	4314.4	3695.4	3503.2
22.5°	8077.4	5474.3	3884.5	3339.1	3207.7
25°	8078.9	5058.0	3478.9	3087.7	2989.7
27.5°	8059.1	4626.6	3150.0	2877.3	2816.5
30°	8025.0	4208.1	2894.8	2725.4	2682.1
32.5°	7939.9	3781.2	2697.3	2578.8	2553.7
35°	7789.5	3362.7	2524.8	2445.8	2445.1
37.5°	7552.5	2991.2	2338.0	2324.3	2341.0
40°	7202.3	2666.1	2161.0	2197.5	2197.5
42.5°	6735.2	2383.6	2000.7	2038.0	2028.1
45°	6157.9	2129.9	1829.8	1873.9	1905.8
47.5°	5488.7	1906.5	1655.1	1740.2	1784.3
50°	4761.0	1693.9	1495.6	1604.2	1654.4
52.5°	3998.4	1497.1	1339.9	1464.5	1504.7
55°	3260.1	1320.1	1194.1	1295.1	1341.4
57.5°	2591.7	1151.5	1051.3	1147.0	1242.7
60°	2016.7	1006.4	916.8	1053.5	1149.2
62.5°	1540.4	877.3	790.7	966.2	1061.9
65°	1166.0	765.7	691.2	885.7	984.4
67.5°	878.8	669.2	613.7	827.2	923.6
70°	660.1	575.8	551.5	790.7	877.3
72.5°	487.6	489.9	502.1	758.8	824.9
75°	360.0	412.5	464.1	720.8	764.1
77.5°	257.5	341.8	429.9	675.3	690.5
80°	178.5	278.8	394.2	615.3	602.3
82.5°	111.7	223.3	362.3	549.2	513.5
85°	63.0	170.9	339.5	472.5	433.7
87.5°	28.1	127.6	297.0	368.4	344.1
90°	0.0	71.4	196.7	277.2	279.5
92.5°	1.5	59.2	181.5	253.7	261.3
95°	3.0	50.1	173.2	235.5	246.1
97.5°	3.8	44.1	162.5	218.8	227.9
100°	4.6	39.5	149.6	201.3	208.9
102.5°	5.3	36.5	137.5	183.1	189.1
105°	6.1	33.4	126.1	167.1	171.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.6	25.8	94.9	120.0	123.8
115°	8.4	23.5	85.1	106.3	108.6
117.5°	9.1	20.5	74.4	93.4	94.2
120°	9.1	18.2	63.8	79.8	79.8
122.5°	9.1	15.2	53.2	66.1	65.3
125°	9.1	12.2	43.3	54.7	53.9
127.5°	8.4	9.9	34.9	45.6	44.8
130°	8.4	9.9	28.1	38.7	38.7
132.5°	7.6	9.1	22.8	33.4	33.4
135°	7.6	9.1	19.0	29.6	29.6
137.5°	7.6	9.9	16.0	25.8	25.8
140°	7.6	9.1	13.7	22.8	22.8
142.5°	8.4	9.1	12.2	19.7	19.7
145°	9.1	9.9	11.4	17.5	16.7
147.5°	9.1	10.6	11.4	15.2	14.4
150°	9.1	11.4	11.4	13.7	12.9
152.5°	9.1	11.4	11.4	12.9	12.2
155°	9.1	11.4	12.2	12.9	11.4
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°	6.1	31.1	115.5	149.6	155.0
110°	6.8	28.1	105.6	133.7	139.0



(END OF REPORT)