

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: P829931

Luminaire Tested: **OHBL-18HE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829931
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-18HE-NL-UNV-L930-CD
Description: 18000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

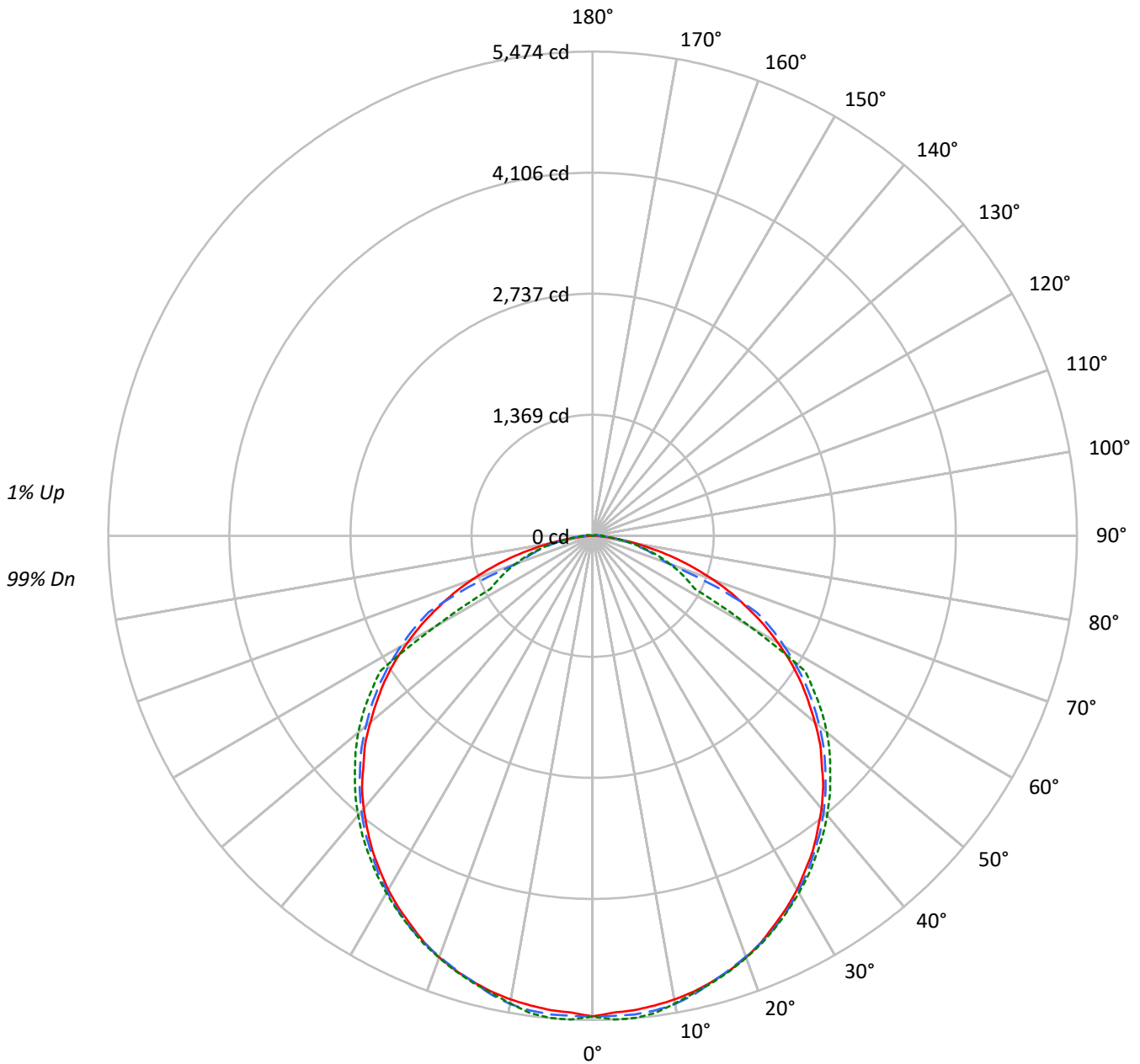
Lumens per Lamp: N/A
Luminaire Lumens: 15257.0 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 103
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									
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	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°	9282	9282	9282
5°	9230	9314	9384
10°	9233	9321	9309
15°	9231	9230	9250
20°	9219	9205	9227
25°	9156	9202	9209
30°	9113	9160	9196
35°	9054	9104	9189
40°	8976	9061	9195
45°	8846	8980	9176
50°	8713	8891	9184
55°	8547	8768	9083
60°	8260	8553	7071
65°	7815	8270	4759
70°	7229	4390	4619
75°	6305	4172	4411
80°	4848	3827	4043
85°	2448	3868	3961



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.3	3.4
10°-20°	1478.2	9.7
20°-30°	2249.2	14.7
30°-40°	2734.7	17.9
40°-50°	2875.4	18.8
50°-60°	2625.6	17.2
60°-70°	1683.1	11.0
70°-80°	795.1	5.2
80°-90°	220.5	1.4
90°-100°	58.4	0.4
100°-110°	16.0	0.1
110°-120°	4.4	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°	4243.7	27.8
0°-40°	6978.4	45.7
0°-60°	12479.5	81.8
0°-90°	15178.2	99.5
90°-120°	78.8	0.5
90°-150°	78.8	0.5
90°-180°	79.0	0.5
0°-180°	15257.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5434	5434	5434	5434	5434	
5°	5384	5405	5432	5462	5473	512
15°	5220	5260	5220	5227	5231	1474
25°	4858	4866	4883	4891	4887	2242
35°	4342	4317	4366	4420	4407	2714
45°	3662	3656	3718	3806	3799	2831
55°	2870	2848	2944	3043	3050	2560
65°	1934	1934	2046	1174	1178	1917
75°	955	974	632	666	668	1007
85°	125	158	197	214	202	185
90°	0	53	88	104	102	5
95°	3	28	63	85	85	2
105°	5	10	15	15	14	5
115°	5	7	10	7	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°	5434.2	5434.2	5434.2	5434.2	5434.2
2.5°	5396.0	5414.2	5434.2	5459.9	5474.1
5°	5383.6	5404.6	5432.2	5461.8	5473.2
7.5°	5356.9	5386.4	5413.2	5434.2	5440.8
10°	5323.5	5358.8	5374.1	5372.2	5367.4
12.5°	5278.7	5315.9	5311.2	5289.2	5293.0
15°	5220.5	5259.6	5219.6	5227.2	5231.0
17.5°	5151.9	5190.0	5143.3	5158.6	5159.6
20°	5071.8	5100.4	5064.2	5076.6	5076.6
22.5°	4975.5	4995.5	4980.3	4988.9	4990.8
25°	4858.2	4865.8	4883.0	4890.6	4886.8
27.5°	4745.8	4736.2	4769.6	4787.7	4778.1
30°	4620.8	4605.5	4644.6	4674.2	4662.8
32.5°	4477.7	4468.2	4513.1	4548.3	4541.6
35°	4342.4	4316.6	4366.2	4419.6	4407.2
37.5°	4182.1	4166.9	4223.1	4279.5	4272.8
40°	4025.8	4000.0	4063.9	4130.7	4124.0
42.5°	3858.0	3827.4	3897.1	3977.2	3969.5
45°	3662.4	3655.8	3717.8	3805.5	3798.8
47.5°	3489.0	3455.6	3542.3	3627.2	3634.9
50°	3279.1	3266.8	3346.0	3448.9	3456.5
52.5°	3074.2	3065.6	3148.5	3252.5	3265.8
55°	2870.1	2848.2	2944.5	3042.7	3050.4
57.5°	2651.8	2628.9	2727.1	2833.9	2850.1
60°	2418.1	2396.2	2503.9	2603.2	2070.1
62.5°	2184.5	2169.3	2281.8	1616.2	1302.6
65°	1933.7	1933.7	2046.2	1173.8	1177.6
67.5°	1699.2	1684.0	1525.7	1054.5	1054.5
70°	1447.5	1453.2	879.1	924.0	924.9
72.5°	1194.8	1215.8	759.1	795.2	797.1
75°	955.4	973.6	632.2	665.6	668.4
77.5°	701.8	539.7	508.2	534.0	534.9
80°	492.9	340.4	389.1	413.8	411.0
82.5°	287.9	238.3	285.1	303.3	302.3
85°	124.9	158.3	197.4	213.6	202.1
87.5°	40.0	98.2	123.0	132.6	131.5
90°	0.0	53.4	87.7	103.9	102.1
92.5°	0.0	41.9	76.3	95.4	96.3
95°	2.8	27.7	63.0	84.9	84.9
97.5°	1.9	20.0	44.8	66.7	68.6
100°	1.9	16.2	29.6	47.6	48.7
102.5°	4.7	13.3	18.1	30.5	31.5
105°	4.7	10.5	15.2	15.2	14.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.8	7.7	10.5	7.7	0.9
115°	4.7	6.7	9.5	6.7	0.9
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°	4.7	9.5	13.3	8.6	2.8
110°	5.8	8.6	11.4	7.7	0.9



(END OF REPORT)