

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: P830199

Luminaire Tested: **OHBL-30HE-N-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830199
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-30HE-N-UNV-L730-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

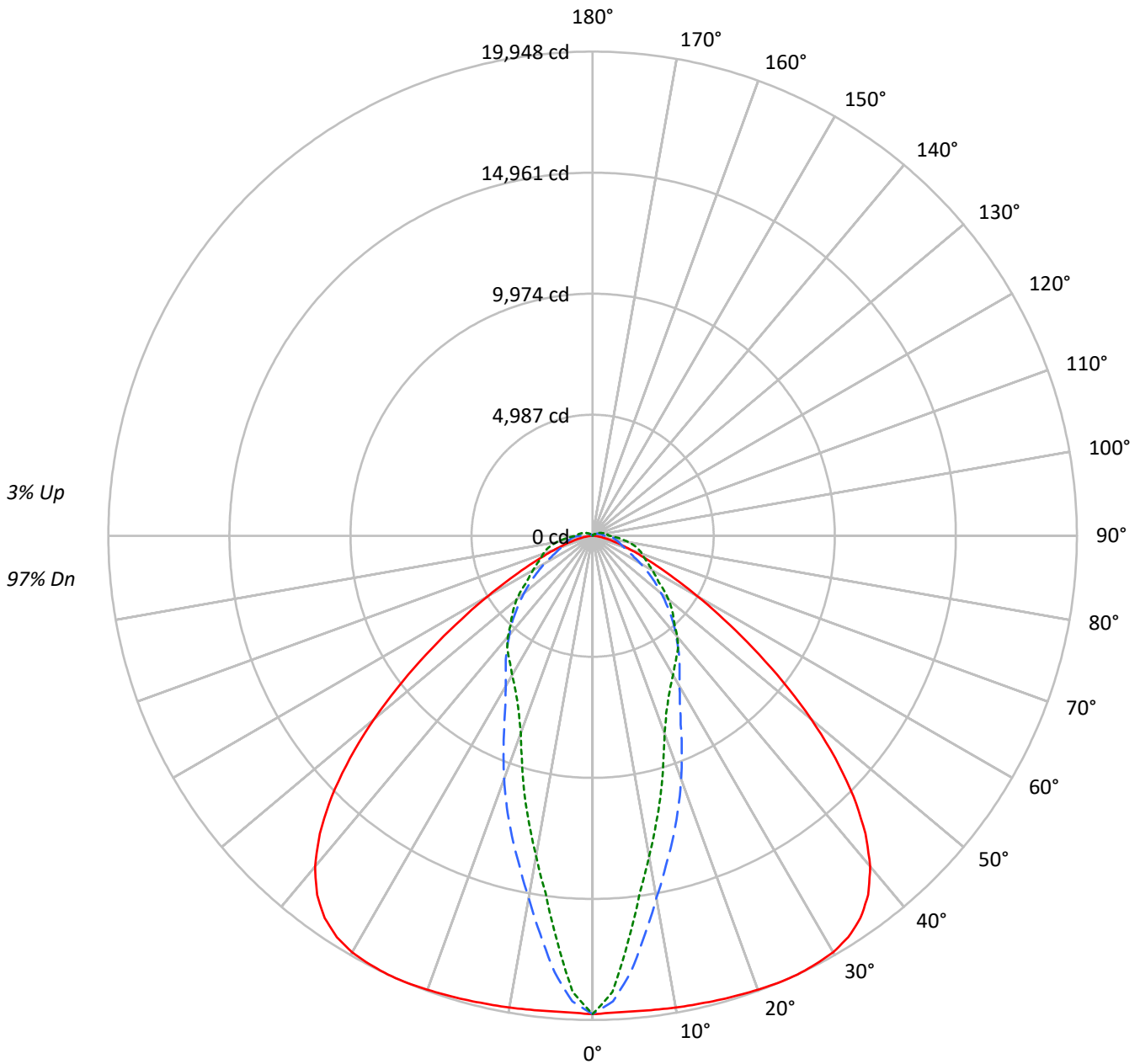
Lumens per Lamp: N/A
Luminaire Lumens: 29084.0 lumens
Efficiency: N/A
Efficacy: 177.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 163.8
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	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°	31165	31165	31165
5°	31101	28394	26404
10°	31452	23928	21186
15°	32066	20473	17400
20°	32967	17319	14083
25°	34107	14342	12348
30°	35286	12363	11480
35°	36020	11273	10946
40°	35404	10189	10394
45°	32570	9214	9632
50°	27479	8147	9051
55°	20880	7143	8065
60°	14633	6133	7735
65°	9843	5290	7589
70°	6722	4975	7985
75°	4665	5146	8568
80°	3211	5726	8881
85°	1879	7228	9440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1658.8	5.7
10°-20°	3902.3	13.4
20°-30°	4891.5	16.8
30°-40°	5190.4	17.8
40°-50°	4693.0	16.1
50°-60°	3402.7	11.7
60°-70°	2135.3	7.3
70°-80°	1413.1	4.9
80°-90°	814.1	2.8
90°-100°	394.4	1.4
100°-110°	272.2	0.9
110°-120°	168.0	0.6
120°-130°	81.4	0.3
130°-140°	37.4	0.1
140°-150°	20.4	0.1
150°-160°	8.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10452.6	35.9
0°-40°	15643.0	53.8
0°-60°	23738.7	81.6
0°-90°	28101.2	96.6
90°-120°	834.6	2.9
90°-150°	973.9	3.3
90°-180°	983.0	3.4
0°-180°	29084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19706	19706	19706	19706	19706	
5°	19667	19162	18037	17200	16767	###
15°	19817	16152	12828	11409	10891	5620
25°	19948	12489	8590	7624	7382	9216
35°	19233	8303	6234	6039	6037	11956
45°	15205	5259	4518	4627	4706	11583
55°	8050	3260	2948	3198	3312	7273
65°	2879	1890	1707	2187	2431	2996
75°	889	1018	1146	1780	1887	991
85°	156	422	838	1167	1071	187
90°	0	176	486	685	690	10
95°	8	124	428	581	608	7
105°	15	82	311	413	424	15
115°	21	58	210	263	268	20
125°	22	30	107	135	133	20
135°	19	22	47	73	73	15
145°	22	24	28	43	41	14
155°	22	28	30	32	28	7
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°	19706.0	19706.0	19706.0	19706.0	19706.0
2.5°	19664.7	19552.2	19201.4	18987.6	18807.6
5°	19666.6	19162.1	18036.8	17200.3	16767.0
7.5°	19694.7	18573.2	16545.7	15324.8	14848.4
10°	19737.8	17843.6	15154.1	13852.5	13408.0
12.5°	19769.7	17022.1	13929.4	12592.2	12104.5
15°	19816.6	16151.9	12828.5	11408.7	10891.1
17.5°	19859.8	15332.3	11740.7	10257.2	9681.4
20°	19902.9	14448.9	10652.9	9124.3	8649.8
22.5°	19944.2	13516.8	9591.3	8244.7	7920.3
25°	19947.9	12489.0	8589.8	7623.9	7382.0
27.5°	19899.1	11423.7	7777.7	7104.4	6954.4
30°	19814.7	10390.3	7147.6	6729.3	6622.4
32.5°	19604.7	9336.3	6659.9	6367.3	6305.5
35°	19233.3	8302.9	6234.2	6039.1	6037.3
37.5°	18648.2	7385.7	5772.8	5739.1	5780.3
40°	17783.6	6583.0	5335.8	5425.8	5425.8
42.5°	16630.1	5885.3	4940.1	5032.0	5007.6
45°	15204.7	5258.9	4518.1	4626.9	4705.6
47.5°	13552.4	4707.5	4086.7	4296.8	4405.6
50°	11755.7	4182.4	3692.9	3961.1	4084.9
52.5°	9872.7	3696.6	3308.4	3616.0	3715.4
55°	8049.7	3259.6	2948.3	3197.7	3312.1
57.5°	6399.2	2843.3	2595.7	2832.0	3068.3
60°	4979.5	2485.0	2263.7	2601.3	2837.6
62.5°	3803.5	2166.2	1952.4	2385.6	2622.0
65°	2878.9	1890.5	1706.7	2186.8	2430.7
67.5°	2170.0	1652.3	1515.4	2042.4	2280.6
70°	1629.8	1421.6	1361.6	1952.4	2166.2
72.5°	1204.1	1209.7	1239.7	1873.6	2036.8
75°	889.0	1018.4	1145.9	1779.9	1886.8
77.5°	635.8	844.0	1061.5	1667.3	1704.8
80°	440.7	688.3	973.4	1519.2	1487.3
82.5°	275.7	551.4	894.6	1356.0	1267.8
85°	155.7	422.0	838.4	1166.6	1070.9
87.5°	69.4	315.1	733.3	909.6	849.6
90°	0.0	176.3	485.8	684.6	690.2
92.5°	3.8	146.3	448.2	626.4	645.2
95°	7.5	123.8	427.6	581.4	607.7
97.5°	9.4	108.8	401.4	540.1	562.7
100°	11.3	97.5	369.5	497.0	515.8
102.5°	13.1	90.0	339.5	452.0	467.0
105°	15.0	82.5	311.3	412.6	423.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.8	63.8	234.4	296.3	305.7
115°	20.6	58.1	210.1	262.6	268.2
117.5°	22.5	50.6	183.8	230.7	232.6
120°	22.5	45.0	157.5	196.9	196.9
122.5°	22.5	37.5	131.3	163.2	161.3
125°	22.5	30.0	106.9	135.0	133.2
127.5°	20.6	24.4	86.3	112.5	110.7
130°	20.6	24.4	69.4	95.7	95.7
132.5°	18.8	22.5	56.3	82.5	82.5
135°	18.8	22.5	46.9	73.1	73.1
137.5°	18.8	24.4	39.4	63.8	63.8
140°	18.8	22.5	33.8	56.3	56.3
142.5°	20.6	22.5	30.0	48.8	48.8
145°	22.5	24.4	28.1	43.1	41.3
147.5°	22.5	26.3	28.1	37.5	35.6
150°	22.5	28.1	28.1	33.8	31.9
152.5°	22.5	28.1	28.1	31.9	30.0
155°	22.5	28.1	30.0	31.9	28.1
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°	15.0	76.9	285.1	369.5	382.6
110°	16.9	69.4	260.7	330.1	343.2



(END OF REPORT)