

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: P830367

Luminaire Tested: **OHBL-36HE-W-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-W-UNV-L730-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

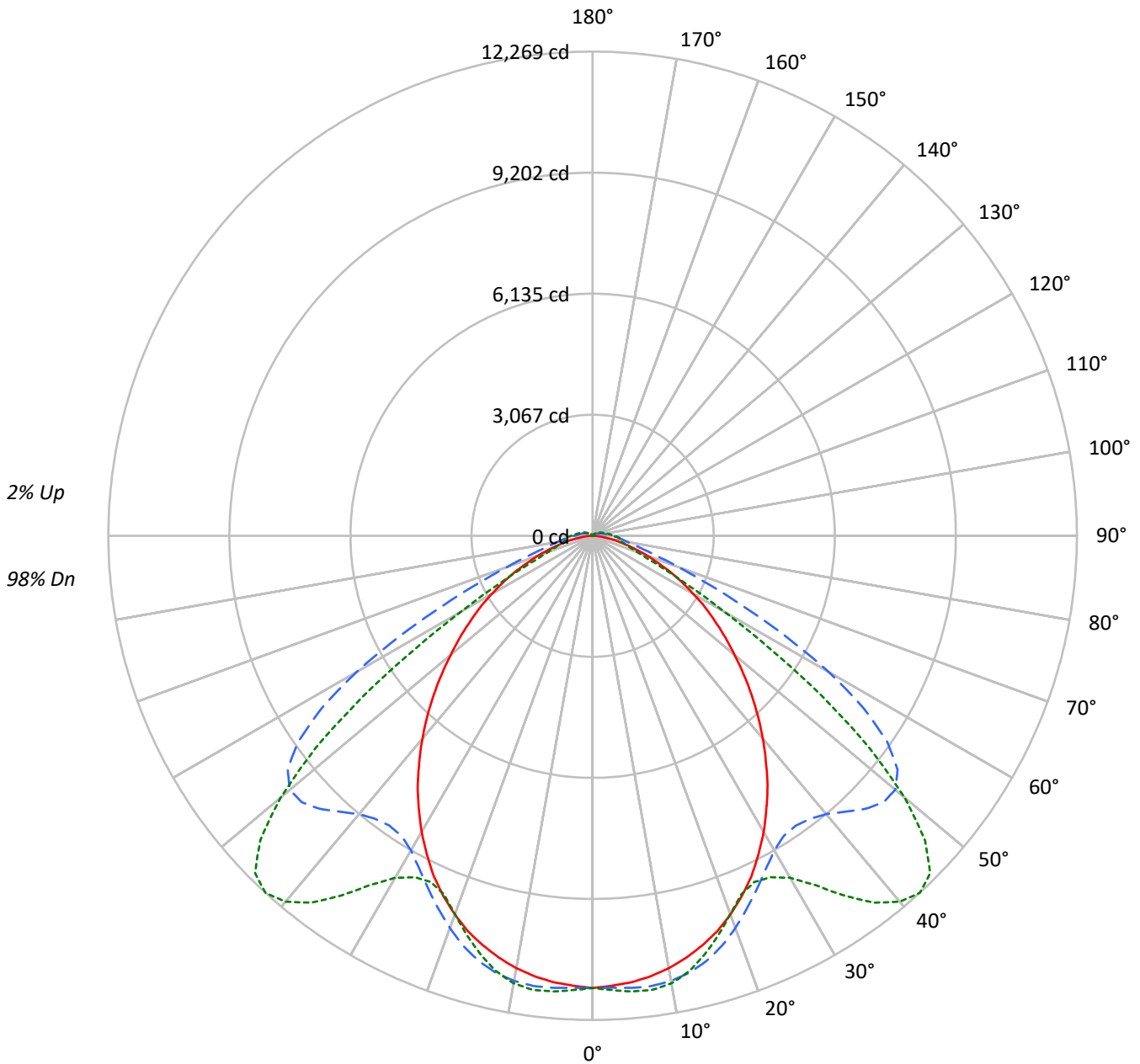
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34314.0 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
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									
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	110	110	110	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18124	18124	18124
5°	17955	18107	18253
10°	17730	18087	18198
15°	17384	17797	17539
20°	16910	17193	16605
25°	16276	16460	16196
30°	15433	15917	17341
35°	14471	16221	20182
40°	13354	17578	23190
45°	12187	19953	24754
50°	10970	22082	22851
55°	9825	22075	17292
60°	8661	18697	10446
65°	7431	12929	6229
70°	6037	8374	4402
75°	4593	6018	3952
80°	3297	5309	4222
85°	2237	5883	5950



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1095.2	3.2
10°-20°	3101.2	9.0
20°-30°	4538.0	13.2
30°-40°	5893.5	17.2
40°-50°	7196.8	21.0
50°-60°	6337.9	18.5
60°-70°	3302.7	9.6
70°-80°	1416.3	4.1
80°-90°	680.2	2.0
90°-100°	319.5	0.9
100°-110°	198.6	0.6
110°-120°	117.4	0.3
120°-130°	63.8	0.2
130°-140°	32.0	0.1
140°-150°	15.4	0.0
150°-160°	5.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8734.3	25.5
0°-40°	14627.9	42.6
0°-60°	28162.5	82.1
0°-90°	33561.7	97.8
90°-120°	635.6	1.9
90°-150°	746.9	2.2
90°-180°	752.0	2.2
0°-180°	34314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11460	11460	11460	11460	11460	
5°	11354	11440	11502	11604	11591	###
15°	10743	11045	11151	11067	10978	3025
25°	9519	10029	9858	9673	9682	4369
35°	7727	8543	8970	10461	11131	4816
45°	5689	7158	9784	11846	12093	4387
55°	3788	6270	9111	7989	7101	3400
65°	2173	4344	4171	2319	1995	2150
75°	875	2032	1340	917	870	954
85°	185	724	682	668	675	207
90°	2	262	450	514	527	13
95°	5	153	358	420	433	4
105°	10	86	232	279	284	10
115°	15	50	143	176	180	15
125°	17	25	84	109	111	15
135°	15	15	40	67	69	11
145°	20	15	17	32	37	12
155°	20	20	15	15	15	6
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°	11460.2	11460.2	11460.2	11460.2	11460.2
2.5°	11410.8	11460.2	11462.7	11532.0	11524.5
5°	11353.9	11440.5	11502.3	11603.7	11591.3
7.5°	11260.0	11396.0	11504.8	11616.0	11606.1
10°	11126.5	11311.9	11455.3	11546.8	11517.1
12.5°	10953.4	11198.2	11339.1	11358.9	11302.0
15°	10743.2	11044.9	11151.2	11067.1	10978.1
17.5°	10505.8	10859.4	10896.5	10713.5	10602.3
20°	10209.1	10612.2	10575.1	10322.9	10199.3
22.5°	9880.3	10340.2	10221.5	9956.9	9838.3
25°	9519.3	10028.6	9858.0	9672.6	9682.5
27.5°	9096.5	9675.1	9509.4	9593.5	9751.7
30°	8666.3	9304.2	9202.8	9692.4	10003.9
32.5°	8194.0	8923.4	9014.9	9981.7	10491.0
35°	7726.7	8542.6	8970.4	10461.3	11131.4
37.5°	7209.9	8156.9	9042.1	11015.2	11717.4
40°	6708.0	7781.1	9205.3	11512.2	12105.6
42.5°	6196.2	7444.8	9479.7	11806.4	12268.8
45°	5689.3	7158.0	9783.9	11846.0	12093.2
47.5°	5182.5	6915.7	9994.0	11532.0	11418.2
50°	4692.9	6700.6	10008.9	10777.8	10313.0
52.5°	4235.5	6502.8	9736.9	9576.2	8854.2
55°	3787.9	6270.4	9111.3	7988.8	7101.2
57.5°	3380.0	5948.9	8147.0	6282.7	5313.5
60°	2947.3	5513.8	6900.9	4596.5	3832.4
62.5°	2549.2	4972.3	5503.9	3199.5	2754.4
65°	2173.4	4344.3	4171.2	2319.2	1995.3
67.5°	1775.3	3694.0	3078.3	1691.2	1483.5
70°	1463.7	3090.7	2292.0	1315.4	1194.2
72.5°	1144.8	2517.1	1713.5	1068.1	1001.4
75°	875.3	2032.4	1340.1	917.3	870.3
77.5°	645.3	1607.2	1078.0	811.0	766.5
80°	452.5	1265.9	902.5	724.5	707.1
82.5°	304.1	979.1	769.0	689.8	692.3
85°	185.4	724.5	682.4	667.6	675.0
87.5°	89.0	514.3	586.0	608.2	615.7
90°	2.5	262.1	450.0	514.3	526.7
92.5°	0.0	200.3	395.6	459.9	472.3
95°	4.9	153.3	358.5	420.3	432.7
97.5°	4.9	126.1	321.4	385.7	393.1
100°	7.4	108.8	286.8	348.6	356.0
102.5°	7.4	96.4	257.1	311.5	316.5
105°	9.9	86.5	232.4	279.4	284.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.8	59.3	163.2	197.8	202.7
115°	14.8	49.5	143.4	175.6	180.5
117.5°	17.3	44.5	126.1	155.8	158.2
120°	17.3	37.1	108.8	138.5	140.9
122.5°	17.3	29.7	96.4	123.6	126.1
125°	17.3	24.7	84.1	108.8	111.3
127.5°	14.8	17.3	71.7	96.4	98.9
130°	14.8	14.8	59.3	84.1	89.0
132.5°	14.8	14.8	49.5	74.2	79.1
135°	14.8	14.8	39.6	66.8	69.2
137.5°	14.8	14.8	32.1	56.9	61.8
140°	14.8	14.8	24.7	49.5	51.9
142.5°	17.3	14.8	22.3	42.0	44.5
145°	19.8	14.8	17.3	32.1	37.1
147.5°	19.8	17.3	17.3	27.2	29.7
150°	19.8	19.8	14.8	19.8	24.7
152.5°	19.8	19.8	14.8	14.8	19.8
155°	19.8	19.8	14.8	14.8	14.8
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°	12.4	76.6	207.7	249.7	254.7
110°	12.4	66.8	183.0	222.5	227.5



(END OF REPORT)