

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: P830355

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830355
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-36HE-NL-UNV-L730-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

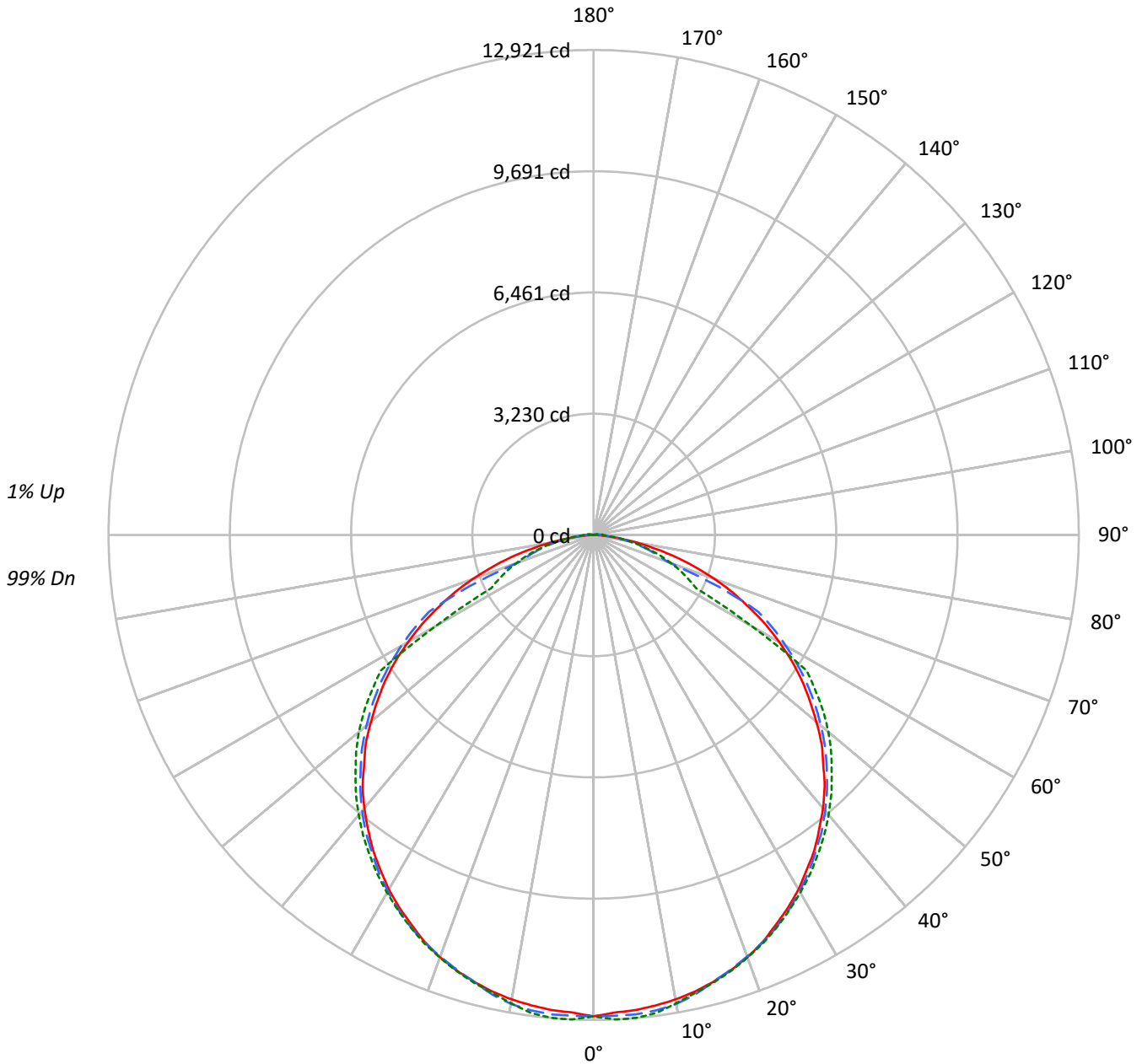
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36013.0 lumens
Efficiency: N/A
Efficacy: 169.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 212
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°	20285	20285	20285
5°	20173	20356	20509
10°	20179	20371	20345
15°	20176	20172	20216
20°	20148	20118	20167
25°	20010	20112	20128
30°	19918	20020	20099
35°	19789	19897	20084
40°	19618	19804	20096
45°	19335	19627	20055
50°	19043	19432	20073
55°	18679	19163	19853
60°	18053	18694	15455
65°	17080	18074	10402
70°	15798	9595	10095
75°	13780	9118	9640
80°	10597	8364	8835
85°	5349	8454	8657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1218.6	3.4
10°-20°	3489.2	9.7
20°-30°	5309.1	14.7
30°-40°	6455.1	17.9
40°-50°	6787.3	18.8
50°-60°	6197.6	17.2
60°-70°	3973.0	11.0
70°-80°	1876.8	5.2
80°-90°	520.4	1.4
90°-100°	137.8	0.4
100°-110°	37.8	0.1
110°-120°	10.4	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°	10016.9	27.8
0°-40°	16472.0	45.7
0°-60°	29456.9	81.8
0°-90°	35827.0	99.5
90°-120°	186.0	0.5
90°-150°	186.0	0.5
90°-180°	186.0	0.5
0°-180°	36013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12827	12827	12827	12827	12827	
5°	12708	12757	12822	12892	12919	###
15°	12323	12415	12320	12338	12348	3479
25°	11468	11485	11526	11544	11535	5291
35°	10250	10189	10306	10432	10403	6405
45°	8645	8629	8776	8983	8967	6682
55°	6775	6723	6950	7182	7200	6042
65°	4564	4564	4830	2771	2780	4525
75°	2255	2298	1492	1571	1578	2377
85°	295	374	466	504	477	436
90°	0	126	207	245	241	13
95°	7	65	149	200	200	4
105°	11	25	36	36	34	11
115°	11	16	22	16	2	8
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°	12826.9	12826.9	12826.9	12826.9	12826.9
2.5°	12736.8	12779.7	12826.9	12887.7	12921.3
5°	12707.5	12757.1	12822.4	12892.2	12919.1
7.5°	12644.6	12714.2	12777.3	12826.9	12842.6
10°	12565.7	12649.1	12685.1	12680.6	12669.4
12.5°	12459.9	12547.9	12536.7	12484.7	12493.8
15°	12322.7	12414.9	12320.5	12338.4	12347.5
17.5°	12160.6	12250.7	12140.4	12176.4	12178.8
20°	11971.7	12039.1	11953.6	11982.9	11982.9
22.5°	11744.4	11791.5	11755.6	11775.8	11780.3
25°	11467.5	11485.3	11525.8	11544.0	11534.9
27.5°	11202.0	11179.4	11258.2	11300.9	11278.3
30°	10907.0	10871.0	10963.2	11033.1	11006.1
32.5°	10569.3	10546.9	10652.7	10735.9	10720.2
35°	10249.8	10189.0	10306.0	10432.1	10402.8
37.5°	9871.6	9835.7	9968.4	10101.3	10085.6
40°	9502.5	9441.8	9592.6	9750.1	9734.4
42.5°	9106.5	9034.3	9198.7	9387.9	9369.8
45°	8644.9	8629.2	8775.5	8982.6	8966.8
47.5°	8235.5	8156.7	8361.4	8561.8	8579.9
50°	7740.1	7711.1	7897.9	8140.9	8158.8
52.5°	7256.4	7236.1	7431.8	7677.2	7708.7
55°	6774.6	6722.9	6950.2	7182.1	7200.2
57.5°	6259.4	6205.3	6437.2	6689.3	6727.4
60°	5707.8	5656.0	5910.3	6144.5	4886.4
62.5°	5156.4	5120.4	5386.1	3815.0	3074.7
65°	4564.4	4564.4	4829.9	2770.6	2779.7
67.5°	4010.9	3974.9	3601.3	2489.2	2489.2
70°	3416.6	3430.2	2075.0	2181.1	2183.2
72.5°	2820.2	2869.7	1791.7	1877.0	1881.5
75°	2255.2	2298.1	1492.2	1571.0	1577.7
77.5°	1656.6	1273.9	1199.6	1260.6	1262.7
80°	1163.6	803.5	918.4	976.8	970.1
82.5°	679.6	562.6	672.9	715.8	713.4
85°	294.8	373.6	465.9	504.2	477.1
87.5°	94.4	231.9	290.2	312.9	310.5
90°	0.0	126.1	207.1	245.2	240.9
92.5°	0.0	98.9	180.1	225.2	227.3
95°	6.7	65.3	148.7	200.4	200.4
97.5°	4.5	47.2	105.8	157.5	162.0
100°	4.5	38.1	69.8	112.5	114.9
102.5°	11.2	31.5	42.7	72.0	74.3
105°	11.2	24.8	36.0	36.0	33.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.6	18.1	24.8	18.1	2.1
115°	11.2	15.7	22.4	15.7	2.1
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°	11.2	22.4	31.5	20.3	6.7
110°	13.6	20.3	26.9	18.1	2.1



(END OF REPORT)