

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: P830375

Luminaire Tested: **OHBL-36HE-W-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830375
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-L930-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

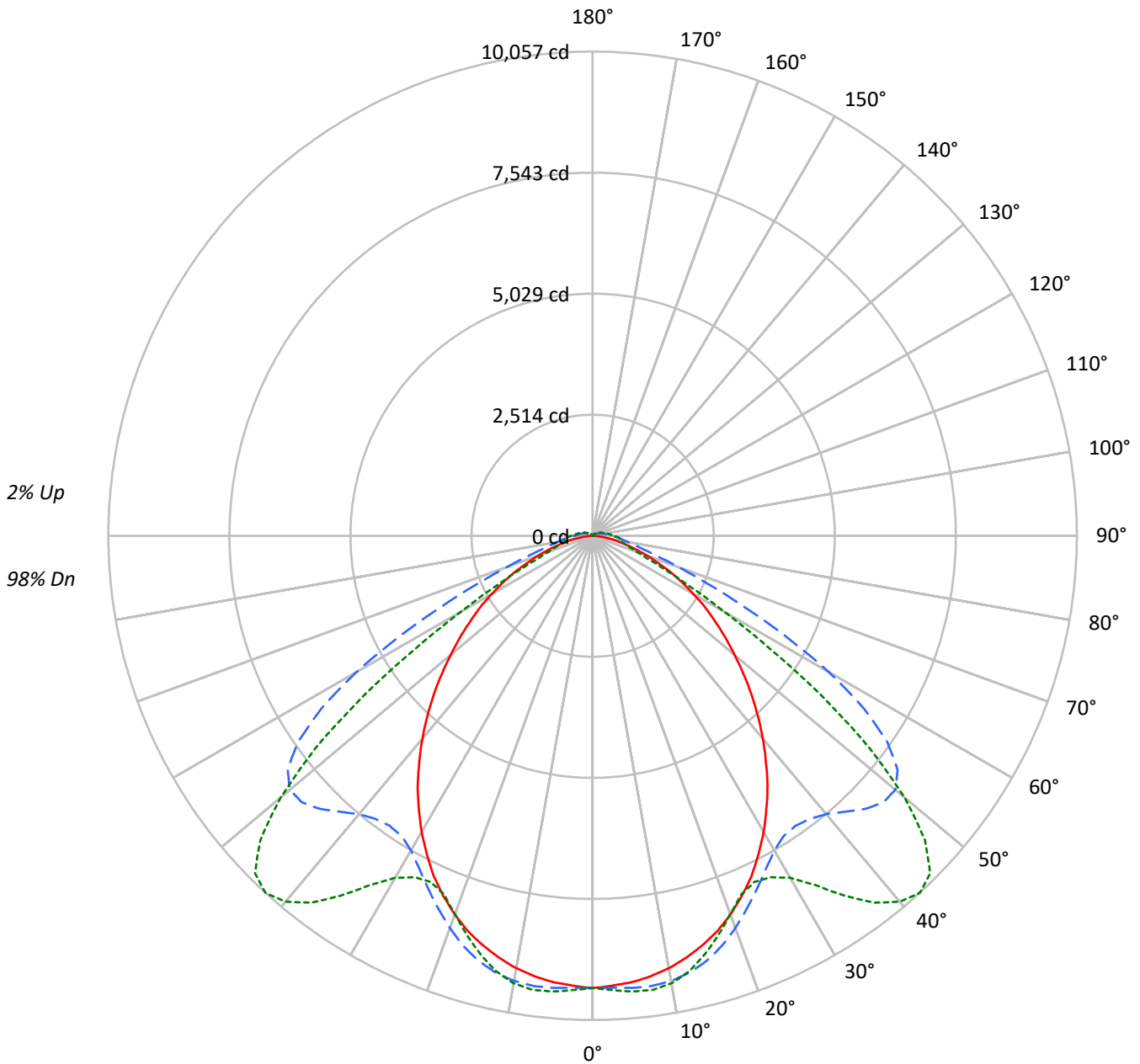
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28128.0 lumens
Efficiency: N/A
Efficacy: 132.7 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°	14857	14857	14857
5°	14718	14843	14963
10°	14534	14827	14917
15°	14250	14588	14377
20°	13862	14093	13612
25°	13342	13493	13276
30°	12651	13048	14215
35°	11862	13296	16544
40°	10947	14409	19009
45°	9990	16356	20292
50°	8992	18101	18732
55°	8054	18095	14175
60°	7100	15326	8563
65°	6091	10598	5106
70°	4949	6864	3608
75°	3765	4933	3239
80°	2702	4352	3461
85°	1834	4823	4877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.7	3.2
10°-20°	2542.1	9.0
20°-30°	3719.9	13.2
30°-40°	4831.1	17.2
40°-50°	5899.4	21.0
50°-60°	5195.3	18.5
60°-70°	2707.3	9.6
70°-80°	1161.0	4.1
80°-90°	557.6	2.0
90°-100°	262.0	0.9
100°-110°	162.8	0.6
110°-120°	96.3	0.3
120°-130°	52.3	0.2
130°-140°	26.3	0.1
140°-150°	12.6	0.0
150°-160°	4.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7159.7	25.5
0°-40°	11990.8	42.6
0°-60°	23085.5	82.1
0°-90°	27511.3	97.8
90°-120°	521.1	1.9
90°-150°	612.3	2.2
90°-180°	617.0	2.2
0°-180°	28128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9394	9394	9394	9394	9394	
5°	9307	9378	9429	9512	9502	883
15°	8806	9054	9141	9072	8999	2480
25°	7803	8221	8081	7929	7937	3581
35°	6334	7003	7353	8575	9125	3948
45°	4664	5868	8020	9710	9913	3596
55°	3105	5140	7469	6549	5821	2787
65°	1782	3561	3419	1901	1636	1763
75°	718	1666	1098	752	713	782
85°	152	594	559	547	553	169
90°	2	215	369	422	432	11
95°	4	126	294	345	355	3
105°	8	71	190	229	233	9
115°	12	40	118	144	148	13
125°	14	20	69	89	91	12
135°	12	12	32	55	57	9
145°	16	12	14	26	30	9
155°	16	16	12	12	12	5
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-36HE-W-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9394.2	9394.2	9394.2	9394.2	9394.2
2.5°	9353.7	9394.2	9396.3	9453.0	9446.9
5°	9307.1	9378.0	9428.7	9511.8	9501.7
7.5°	9230.1	9341.5	9430.7	9521.9	9513.8
10°	9120.6	9272.6	9390.2	9465.2	9440.9
12.5°	8978.7	9179.4	9294.9	9311.1	9264.5
15°	8806.5	9053.7	9140.9	9072.0	8999.0
17.5°	8611.9	8901.7	8932.1	8782.1	8690.9
20°	8368.7	8699.0	8668.6	8461.9	8360.6
22.5°	8099.1	8476.1	8378.8	8161.9	8064.7
25°	7803.2	8220.7	8080.9	7928.9	7937.0
27.5°	7456.6	7930.9	7795.1	7864.0	7993.7
30°	7103.9	7626.9	7543.8	7945.1	8200.5
32.5°	6716.8	7314.7	7389.7	8182.2	8599.7
35°	6333.8	7002.6	7353.2	8575.4	9124.7
37.5°	5910.2	6686.4	7412.0	9029.4	9605.0
40°	5498.7	6378.4	7545.8	9436.8	9923.2
42.5°	5079.2	6102.7	7770.8	9678.0	10057.0
45°	4663.7	5867.6	8020.1	9710.4	9913.1
47.5°	4248.2	5669.0	8192.3	9453.0	9359.8
50°	3846.9	5492.6	8204.5	8834.8	8453.8
52.5°	3471.9	5330.5	7981.6	7849.8	7258.0
55°	3105.1	5140.0	7468.8	6548.6	5821.0
57.5°	2770.6	4876.5	6678.3	5150.1	4355.6
60°	2416.0	4519.8	5656.8	3767.8	3141.5
62.5°	2089.6	4075.9	4511.7	2622.7	2257.9
65°	1781.6	3561.1	3419.2	1901.1	1635.6
67.5°	1455.2	3028.0	2523.4	1386.3	1216.1
70°	1199.9	2533.5	1878.8	1078.3	978.9
72.5°	938.4	2063.3	1404.6	875.6	820.9
75°	717.5	1666.0	1098.5	751.9	713.4
77.5°	529.0	1317.4	883.7	664.8	628.3
80°	370.9	1037.7	739.8	593.9	579.7
82.5°	249.3	802.6	630.3	565.5	567.5
85°	152.0	593.9	559.4	547.2	553.3
87.5°	73.0	421.6	480.4	498.6	504.7
90°	2.0	214.8	368.9	421.6	431.7
92.5°	0.0	164.2	324.3	377.0	387.1
95°	4.1	125.7	293.9	344.6	354.7
97.5°	4.1	103.4	263.5	316.2	322.3
100°	6.1	89.2	235.1	285.8	291.9
102.5°	6.1	79.0	210.8	255.4	259.4
105°	8.1	70.9	190.5	229.0	233.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.2	48.6	133.8	162.1	166.2
115°	12.2	40.5	117.6	143.9	148.0
117.5°	14.2	36.5	103.4	127.7	129.7
120°	14.2	30.4	89.2	113.5	115.5
122.5°	14.2	24.3	79.0	101.3	103.4
125°	14.2	20.3	68.9	89.2	91.2
127.5°	12.2	14.2	58.8	79.0	81.1
130°	12.2	12.2	48.6	68.9	73.0
132.5°	12.2	12.2	40.5	60.8	64.9
135°	12.2	12.2	32.4	54.7	56.8
137.5°	12.2	12.2	26.3	46.6	50.7
140°	12.2	12.2	20.3	40.5	42.6
142.5°	14.2	12.2	18.2	34.5	36.5
145°	16.2	12.2	14.2	26.3	30.4
147.5°	16.2	14.2	14.2	22.3	24.3
150°	16.2	16.2	12.2	16.2	20.3
152.5°	16.2	16.2	12.2	12.2	16.2
155°	16.2	16.2	12.2	12.2	12.2
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°	10.1	62.8	170.3	204.7	208.8
110°	10.1	54.7	150.0	182.4	186.5



(END OF REPORT)