

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: P830317

Luminaire Tested: **OHBL-36HE-A-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-A-UNV-L940-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

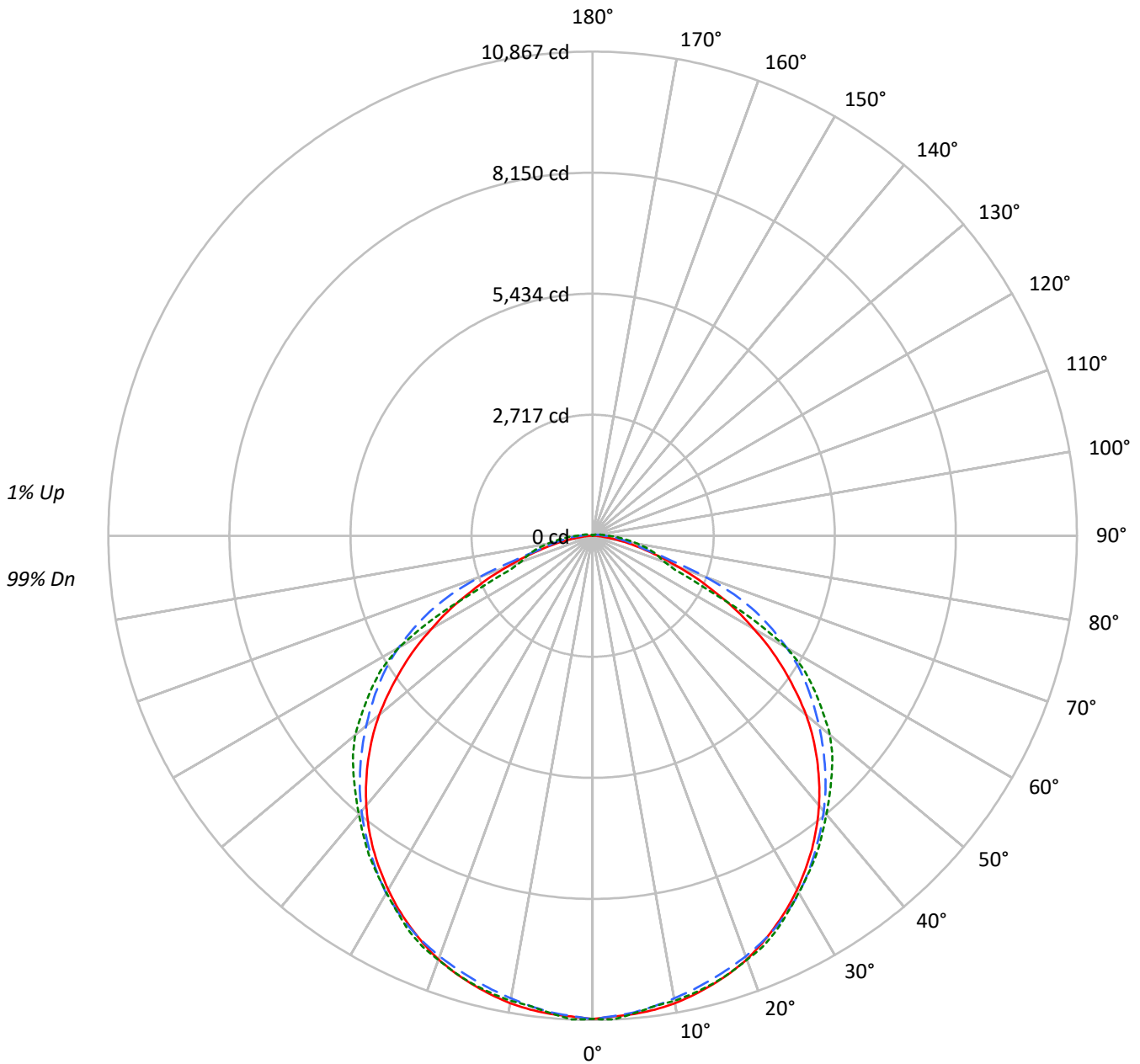
Lumens per Lamp: N/A
Luminaire Lumens: 30652.0 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17151	17151	17151
5°	17038	16901	16937
10°	16976	16646	16749
15°	16868	16454	16637
20°	16761	16334	16489
25°	16558	16212	16344
30°	16338	16020	16034
35°	16075	15717	15864
40°	15733	15403	15632
45°	15260	15040	15529
50°	14617	14627	15406
55°	13597	14220	14831
60°	12261	13625	13711
65°	10518	12520	8690
70°	8472	9774	6300
75°	6352	5802	6394
80°	4421	4824	6105
85°	2517	4421	5722



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1022.6	3.3
10°-20°	2932.2	9.6
20°-30°	4478.4	14.6
30°-40°	5433.8	17.7
40°-50°	5695.2	18.6
50°-60°	5160.7	16.8
60°-70°	3460.0	11.3
70°-80°	1553.7	5.1
80°-90°	563.8	1.8
90°-100°	169.7	0.6
100°-110°	80.1	0.3
110°-120°	40.1	0.1
120°-130°	22.1	0.1
130°-140°	15.2	0.0
140°-150°	10.2	0.0
150°-160°	7.6	0.0
160°-170°	4.9	0.0
170°-180°	1.6	0.0
0°-30°	8433.2	27.5
0°-40°	13867.0	45.2
0°-60°	24722.9	80.7
0°-90°	30300.4	98.9
90°-120°	289.9	0.9
90°-150°	337.5	1.1
90°-180°	352.0	1.1
0°-180°	30652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10845	10845	10845	10845	10845	
5°	10774	10812	10736	10769	10755	###
15°	10424	10384	10310	10401	10414	2943
25°	9684	9642	9709	9799	9771	4464
35°	8584	8604	8692	8784	8750	5365
45°	7124	7240	7375	7563	7586	5488
55°	5242	5494	5869	6104	6090	4679
65°	3076	3558	4039	3409	2783	3065
75°	1210	1756	1292	1322	1408	1323
85°	209	400	513	619	649	254
90°	2	133	265	332	348	12
95°	2	83	182	221	227	2
105°	6	36	89	108	113	7
115°	12	19	46	58	61	12
125°	11	12	28	33	34	11
135°	14	16	17	25	27	11
145°	14	16	16	17	19	9
155°	16	17	17	17	16	7
165°	17	17	17	17	17	5
175°	17	17	16	14	14	2
180°	16	16	16	16	16	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10844.7	10844.7	10844.7	10844.7	10844.7
2.5°	10800.8	10846.3	10789.8	10851.0	10866.7
5°	10774.1	10811.8	10736.5	10769.4	10755.3
7.5°	10725.5	10738.1	10648.7	10675.4	10647.1
10°	10653.4	10647.1	10542.1	10593.8	10600.1
12.5°	10546.8	10528.0	10433.9	10512.3	10513.8
15°	10424.5	10383.7	10310.0	10400.9	10413.5
17.5°	10283.3	10230.0	10181.4	10299.0	10280.2
20°	10118.7	10056.0	10046.6	10175.1	10128.1
22.5°	9914.8	9866.2	9888.2	10010.5	9980.7
25°	9684.3	9642.0	9709.4	9798.8	9770.6
27.5°	9441.3	9416.2	9493.0	9562.0	9507.1
30°	9174.7	9160.6	9262.5	9319.0	9250.0
32.5°	8884.6	8889.3	8986.6	9063.4	8999.1
35°	8583.6	8603.9	8691.8	8784.3	8749.8
37.5°	8252.7	8298.2	8386.0	8491.0	8455.0
40°	7903.0	7968.9	8066.1	8193.1	8160.2
42.5°	7525.1	7608.2	7733.7	7874.8	7871.7
45°	7123.7	7239.7	7374.6	7562.8	7586.3
47.5°	6706.6	6836.7	7007.7	7258.6	7294.6
50°	6253.4	6416.5	6629.8	6930.8	6952.8
52.5°	5748.5	5971.2	6253.4	6541.9	6515.3
55°	5242.0	5494.5	5869.2	6104.5	6090.3
57.5°	4737.1	5020.9	5475.7	5643.4	5641.9
60°	4172.6	4531.7	5028.8	5155.8	5030.3
62.5°	3650.4	4036.2	4552.1	4459.6	4029.9
65°	3076.5	3557.9	4039.3	3409.0	2783.3
67.5°	2566.9	3068.7	3430.9	2334.8	1999.3
70°	2054.2	2607.7	2675.1	1732.7	1709.2
72.5°	1599.4	2189.0	1845.6	1483.4	1558.7
75°	1210.5	1756.2	1292.1	1321.9	1408.1
77.5°	882.8	1348.5	1005.1	1158.8	1229.4
80°	606.8	954.9	820.1	973.8	1022.4
82.5°	381.0	630.4	657.0	784.0	834.2
85°	208.6	399.9	512.8	619.4	649.2
87.5°	86.2	241.5	392.0	478.3	503.3
90°	1.6	133.3	265.0	332.4	348.1
92.5°	1.6	101.9	216.4	268.1	279.1
95°	1.6	83.1	181.9	221.1	227.4
97.5°	3.1	65.9	152.1	183.5	189.7
100°	4.7	54.9	127.0	153.7	158.4
102.5°	6.3	43.9	106.6	128.6	133.3
105°	6.3	36.1	89.4	108.2	112.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.0	22.0	53.3	67.4	70.6
115°	12.5	18.8	45.5	58.0	61.2
117.5°	12.5	15.7	39.2	48.6	51.7
120°	12.5	14.1	34.5	42.3	43.9
122.5°	12.5	12.5	29.8	37.6	39.2
125°	11.0	12.5	28.2	32.9	34.5
127.5°	12.5	12.5	25.1	29.8	31.4
130°	12.5	14.1	22.0	28.2	28.2
132.5°	14.1	15.7	20.4	26.7	26.7
135°	14.1	15.7	17.2	25.1	26.7
137.5°	15.7	15.7	15.7	23.5	25.1
140°	15.7	15.7	14.1	20.4	22.0
142.5°	14.1	15.7	14.1	18.8	20.4
145°	14.1	15.7	15.7	17.2	18.8
147.5°	15.7	15.7	15.7	15.7	17.2
150°	15.7	15.7	15.7	15.7	15.7
152.5°	15.7	15.7	15.7	15.7	15.7
155°	15.7	17.2	17.2	17.2	15.7
157.5°	15.7	17.2	17.2	17.2	17.2
160°	15.7	17.2	17.2	17.2	17.2
162.5°	17.2	17.2	17.2	17.2	17.2
165°	17.2	17.2	17.2	17.2	17.2
167.5°	17.2	18.8	17.2	17.2	17.2
170°	17.2	17.2	17.2	15.7	15.7
172.5°	17.2	17.2	17.2	15.7	15.7
175°	17.2	17.2	15.7	14.1	14.1
177.5°	18.8	17.2	15.7	14.1	12.5
180°	15.7	15.7	15.7	15.7	15.7



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	7.8	29.8	76.8	92.5	95.7
110°	9.4	25.1	64.3	78.4	81.5



(END OF REPORT)