

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: P830347

Luminaire Tested: **OHBL-36HE-N-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830347
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-36HE-N-UNV-L830-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

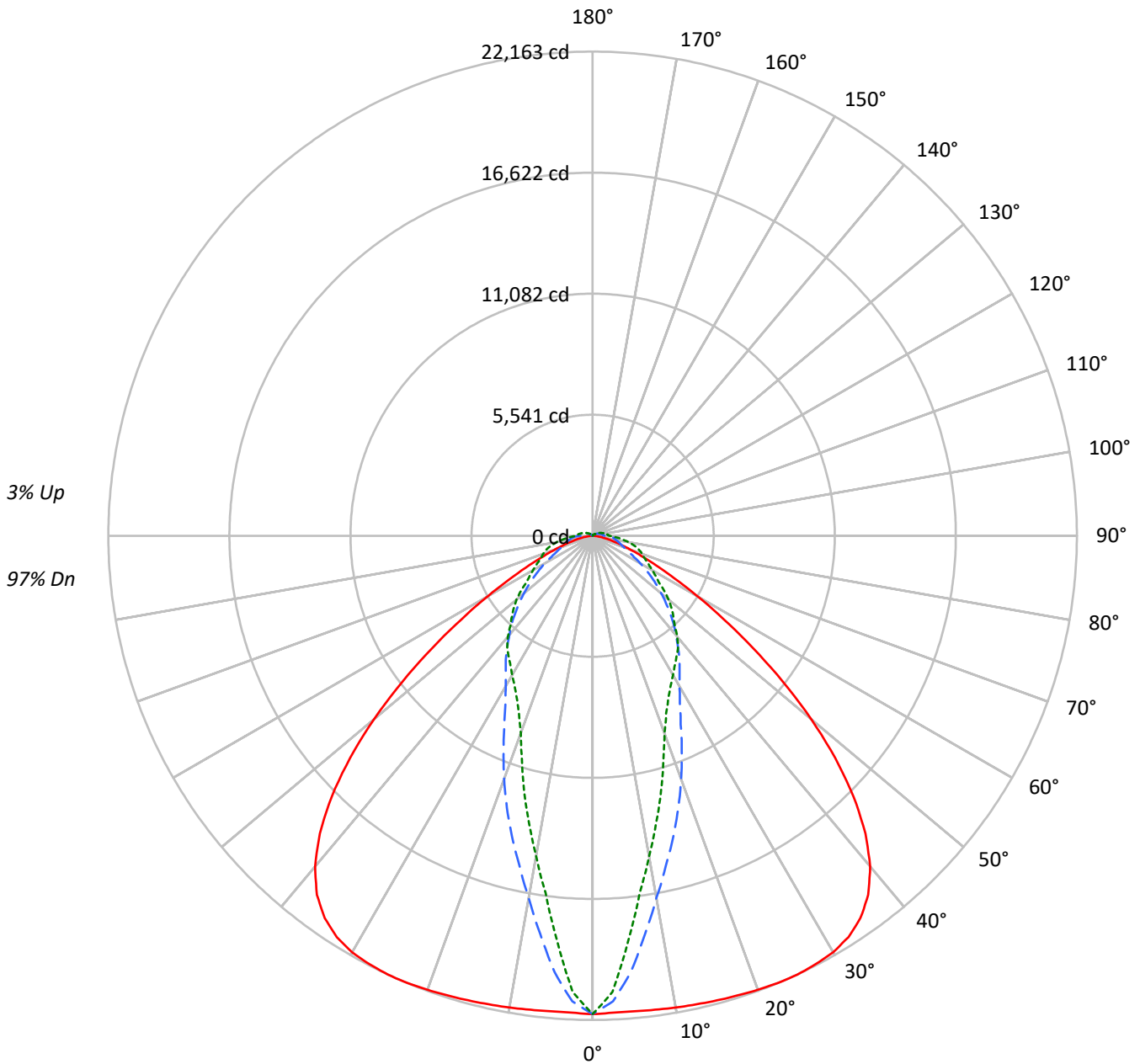
Lumens per Lamp: N/A
Luminaire Lumens: 32314.0 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	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	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34626	34626	34626
5°	34555	31547	29336
10°	34945	26585	23538
15°	35627	22747	19332
20°	36628	19243	15647
25°	37895	15935	13719
30°	39205	13736	12755
35°	40021	12525	12161
40°	39336	11321	11548
45°	36187	10238	10702
50°	30531	9052	10056
55°	23199	7936	8961
60°	16258	6814	8594
65°	10936	5878	8431
70°	7468	5527	8872
75°	5183	5717	9519
80°	3568	6362	9867
85°	2087	8030	10488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1843.1	5.7
10°-20°	4335.7	13.4
20°-30°	5434.7	16.8
30°-40°	5766.8	17.8
40°-50°	5214.1	16.1
50°-60°	3780.6	11.7
60°-70°	2372.5	7.3
70°-80°	1570.0	4.9
80°-90°	904.5	2.8
90°-100°	438.2	1.4
100°-110°	302.5	0.9
110°-120°	186.6	0.6
120°-130°	90.4	0.3
130°-140°	41.6	0.1
140°-150°	22.7	0.1
150°-160°	9.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	11613.5	35.9
0°-40°	17380.3	53.8
0°-60°	26375.0	81.6
0°-90°	31222.1	96.6
90°-120°	927.3	2.9
90°-150°	1082.0	3.3
90°-180°	1092.0	3.4
0°-180°	32314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21894	21894	21894	21894	21894	
5°	21851	21290	20040	19110	18629	###
15°	22017	17946	14253	12676	12101	6244
25°	22163	13876	9544	8471	8202	10239
35°	21369	9225	6926	6710	6708	13284
45°	16893	5843	5020	5141	5228	12869
55°	8944	3622	3276	3553	3680	8081
65°	3199	2100	1896	2430	2701	3328
75°	988	1132	1273	1978	2096	1101
85°	173	469	932	1296	1190	207
90°	0	196	540	761	767	11
95°	8	138	475	646	675	7
105°	17	92	346	458	471	17
115°	23	65	233	292	298	22
125°	25	33	119	150	148	22
135°	21	25	52	81	81	16
145°	25	27	31	48	46	15
155°	25	31	33	35	31	8
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830347

CATALOG NUMBER: OHBL-36HE-N-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21894.5	21894.5	21894.5	21894.5	21894.5
2.5°	21848.6	21723.6	21333.9	21096.4	20896.3
5°	21850.7	21290.2	20039.9	19110.5	18629.1
7.5°	21882.0	20635.8	18383.3	17026.7	16497.4
10°	21929.9	19825.2	16837.1	15390.9	14897.1
12.5°	21965.3	18912.5	15476.4	13990.6	13448.8
15°	22017.4	17945.7	14253.2	12675.7	12100.6
17.5°	22065.3	17035.0	13044.6	11396.3	10756.6
20°	22113.3	16053.6	11836.0	10137.7	9610.5
22.5°	22159.1	15017.9	10656.5	9160.4	8799.9
25°	22163.3	13876.0	9543.8	8470.6	8201.8
27.5°	22109.1	12692.4	8641.5	7893.4	7726.7
30°	22015.3	11544.2	7941.4	7476.7	7357.9
32.5°	21781.9	10373.1	7399.6	7074.5	7005.7
35°	21369.3	9225.0	6926.5	6709.8	6707.7
37.5°	20719.2	8206.0	6413.9	6376.4	6422.3
40°	19758.6	7314.1	5928.4	6028.4	6028.4
42.5°	18477.0	6539.0	5488.7	5590.8	5563.7
45°	16893.3	5843.0	5019.9	5140.7	5228.2
47.5°	15057.5	5230.3	4540.6	4774.0	4894.8
50°	13061.2	4646.9	4103.0	4401.0	4538.5
52.5°	10969.1	4107.2	3675.8	4017.6	4128.0
55°	8943.7	3621.6	3275.7	3552.9	3680.0
57.5°	7109.9	3159.0	2884.0	3146.5	3409.1
60°	5532.5	2761.0	2515.1	2890.2	3152.8
62.5°	4225.9	2406.8	2169.2	2650.6	2913.1
65°	3198.6	2100.5	1896.3	2429.7	2700.6
67.5°	2411.0	1835.8	1683.7	2269.3	2533.9
70°	1810.8	1579.5	1512.8	2169.2	2406.8
72.5°	1337.8	1344.0	1377.4	2081.7	2263.0
75°	987.7	1131.5	1273.2	1977.5	2096.3
77.5°	706.4	937.7	1179.4	1852.5	1894.2
80°	489.7	764.8	1081.5	1687.9	1652.5
82.5°	306.3	612.6	994.0	1506.6	1408.6
85°	173.0	468.9	931.5	1296.1	1189.8
87.5°	77.1	350.1	814.8	1010.6	944.0
90°	0.0	195.9	539.7	760.6	766.8
92.5°	4.2	162.5	498.0	696.0	716.8
95°	8.3	137.5	475.1	646.0	675.2
97.5°	10.4	120.9	445.9	600.1	625.1
100°	12.5	108.4	410.5	552.2	573.0
102.5°	14.6	100.0	377.2	502.2	518.9
105°	16.7	91.7	345.9	458.4	470.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.8	70.8	260.5	329.2	339.7
115°	22.9	64.6	233.4	291.7	298.0
117.5°	25.0	56.3	204.2	256.3	258.4
120°	25.0	50.0	175.0	218.8	218.8
122.5°	25.0	41.7	145.9	181.3	179.2
125°	25.0	33.3	118.8	150.0	147.9
127.5°	22.9	27.1	95.9	125.0	122.9
130°	22.9	27.1	77.1	106.3	106.3
132.5°	20.8	25.0	62.5	91.7	91.7
135°	20.8	25.0	52.1	81.3	81.3
137.5°	20.8	27.1	43.8	70.8	70.8
140°	20.8	25.0	37.5	62.5	62.5
142.5°	22.9	25.0	33.3	54.2	54.2
145°	25.0	27.1	31.3	47.9	45.8
147.5°	25.0	29.2	31.3	41.7	39.6
150°	25.0	31.3	31.3	37.5	35.4
152.5°	25.0	31.3	31.3	35.4	33.3
155°	25.0	31.3	33.3	35.4	31.3
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°	16.7	85.4	316.7	410.5	425.1
110°	18.8	77.1	289.6	366.7	381.3



(END OF REPORT)