

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: P830344

Luminaire Tested: **OHBL-36HE-N-UNV-L735-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P830344  
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-L735-CD  
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

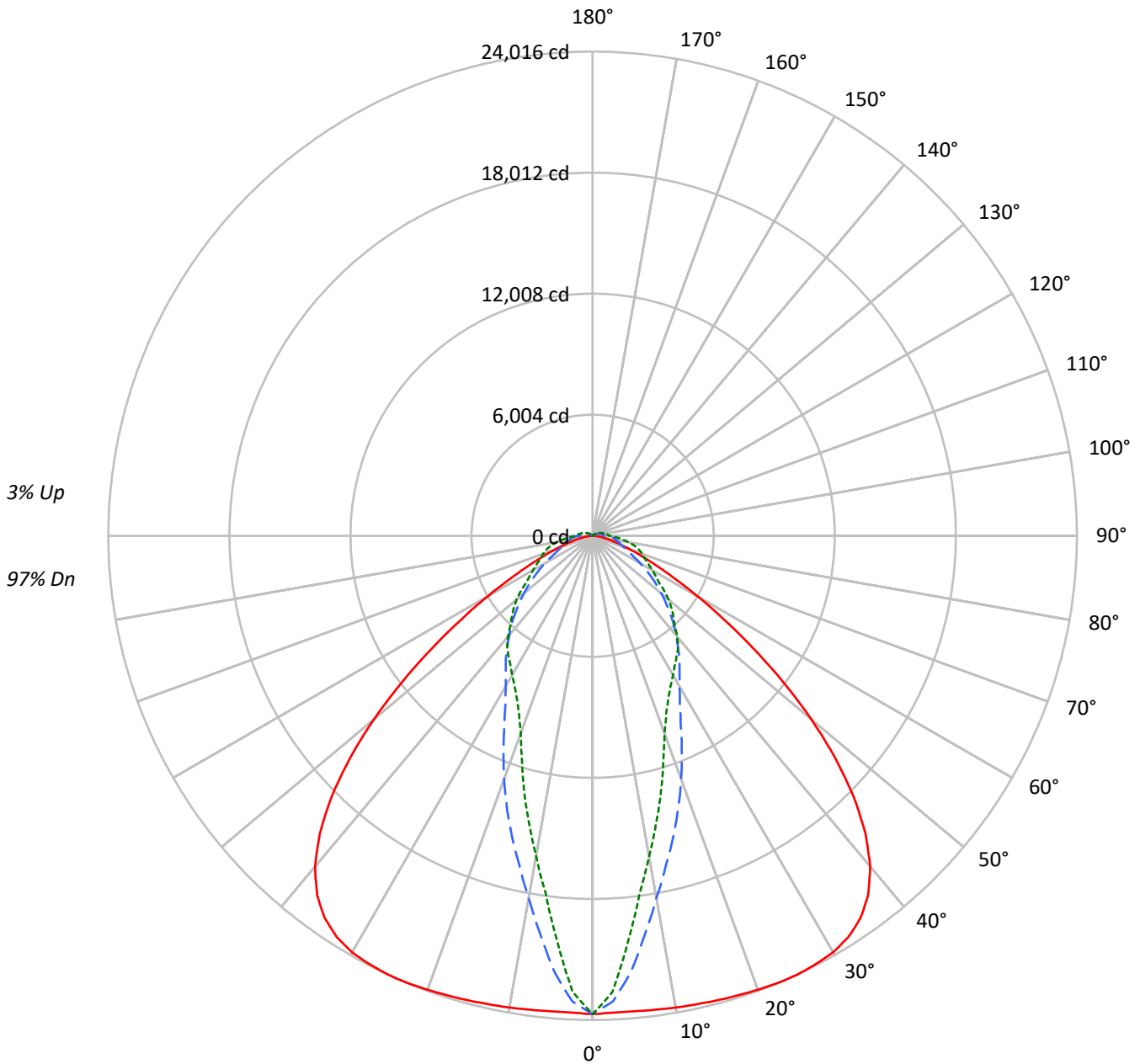
Lumens per Lamp: N/A  
Luminaire Lumens: 35015.0 lumens  
Efficiency: N/A  
Efficacy: 165.2 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 212  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	37520	37520	37520
5°	37443	34184	31789
10°	37866	28807	25506
15°	38605	24648	20948
20°	39690	20851	16955
25°	41063	17267	14866
30°	42482	14883	13821
35°	43366	13572	13178
40°	42624	12267	12513
45°	39212	11093	11597
50°	33083	9809	10897
55°	25138	8600	9710
60°	17616	7384	9312
65°	11850	6369	9136
70°	8093	5989	9613
75°	5616	6195	10315
80°	3866	6894	10692
85°	2261	8701	11365



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1997.1	5.7
10°-20°	4698.1	13.4
20°-30°	5889.0	16.8
30°-40°	6248.9	17.8
40°-50°	5650.0	16.1
50°-60°	4096.6	11.7
60°-70°	2570.8	7.3
70°-80°	1701.3	4.9
80°-90°	980.1	2.8
90°-100°	474.8	1.4
100°-110°	327.7	0.9
110°-120°	202.2	0.6
120°-130°	98.0	0.3
130°-140°	45.1	0.1
140°-150°	24.6	0.1
150°-160°	10.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	12584.2	35.9
0°-40°	18833.1	53.8
0°-60°	28579.6	81.6
0°-90°	33831.9	96.6
90°-120°	1004.8	2.9
90°-150°	1172.5	3.3
90°-180°	1183.0	3.4
0°-180°	35015.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23724	23724	23724	23724	23724	
5°	23677	23070	21715	20708	20186	###
15°	23858	19446	15444	13735	13112	6766
25°	24016	15036	10342	9179	8887	11095
35°	23156	9996	7506	7271	7268	14395
45°	18305	6331	5440	5570	5665	13945
55°	9691	3924	3550	3850	3988	8756
65°	3466	2276	2055	2633	2926	3607
75°	1070	1226	1380	2143	2272	1193
85°	187	508	1009	1404	1289	225
90°	0	212	585	824	831	12
95°	9	149	515	700	732	8
105°	18	99	375	497	510	18
115°	25	70	253	316	323	24
125°	27	36	129	163	160	24
135°	23	27	56	88	88	18
145°	27	29	34	52	50	16
155°	27	34	36	38	34	8
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°	23724.5	23724.5	23724.5	23724.5	23724.5
2.5°	23674.9	23539.4	23117.1	22859.7	22643.0
5°	23677.1	23069.7	21714.9	20707.9	20186.3
7.5°	23711.0	22360.7	19919.8	18449.9	17876.4
10°	23762.9	21482.4	18244.4	16677.4	16142.3
12.5°	23801.3	20493.4	16770.0	15160.0	14573.0
15°	23857.8	19445.7	15444.5	13735.3	13112.1
17.5°	23909.7	18458.9	14134.9	12348.9	11655.7
20°	23961.6	17395.4	12825.3	10985.0	10413.8
22.5°	24011.3	16273.2	11547.3	9926.1	9535.4
25°	24015.8	15035.8	10341.5	9178.7	8887.4
27.5°	23957.1	13753.3	9363.8	8553.2	8372.6
30°	23855.5	12509.2	8605.1	8101.6	7972.9
32.5°	23602.6	11240.2	8018.1	7665.8	7591.3
35°	23155.5	9996.0	7505.5	7270.7	7268.4
37.5°	22451.0	8891.9	6950.0	6909.4	6959.1
40°	21410.1	7925.5	6423.9	6532.3	6532.3
42.5°	20021.5	7085.5	5947.5	6058.1	6028.8
45°	18305.4	6331.4	5439.5	5570.4	5665.3
47.5°	16316.1	5667.5	4920.1	5173.0	5304.0
50°	14153.0	5035.3	4446.0	4768.8	4917.9
52.5°	11886.0	4450.5	3983.1	4353.4	4473.0
55°	9691.2	3924.4	3549.5	3849.8	3987.6
57.5°	7704.2	3423.1	3125.0	3409.5	3694.0
60°	5994.9	2991.8	2725.4	3131.8	3416.3
62.5°	4579.2	2608.0	2350.6	2872.1	3156.6
65°	3466.0	2276.0	2054.8	2632.8	2926.3
67.5°	2612.5	1989.3	1824.4	2458.9	2745.7
70°	1962.2	1711.5	1639.3	2350.6	2608.0
72.5°	1449.6	1456.4	1492.5	2255.7	2452.2
75°	1070.3	1226.1	1379.6	2142.8	2271.5
77.5°	765.5	1016.1	1278.0	2007.3	2052.5
80°	530.6	828.7	1171.9	1829.0	1790.6
82.5°	331.9	663.8	1077.1	1632.5	1526.4
85°	187.4	508.0	1009.3	1404.5	1289.3
87.5°	83.5	379.3	882.9	1095.1	1022.9
90°	0.0	212.2	584.8	824.2	830.9
92.5°	4.5	176.1	539.7	754.2	776.7
95°	9.0	149.0	514.8	700.0	731.6
97.5°	11.3	131.0	483.2	650.3	677.4
100°	13.5	117.4	444.8	598.4	620.9
102.5°	15.8	108.4	408.7	544.2	562.2
105°	18.1	99.4	374.8	496.8	510.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	22.6	76.8	282.2	356.8	368.0
115°	24.8	70.0	252.9	316.1	322.9
117.5°	27.1	61.0	221.3	277.7	280.0
120°	27.1	54.2	189.7	237.1	237.1
122.5°	27.1	45.2	158.1	196.4	194.2
125°	27.1	36.1	128.7	162.6	160.3
127.5°	24.8	29.4	103.9	135.5	133.2
130°	24.8	29.4	83.5	115.2	115.2
132.5°	22.6	27.1	67.7	99.4	99.4
135°	22.6	27.1	56.4	88.1	88.1
137.5°	22.6	29.4	47.4	76.8	76.8
140°	22.6	27.1	40.6	67.7	67.7
142.5°	24.8	27.1	36.1	58.7	58.7
145°	27.1	29.4	33.9	51.9	49.7
147.5°	27.1	31.6	33.9	45.2	42.9
150°	27.1	33.9	33.9	40.6	38.4
152.5°	27.1	33.9	33.9	38.4	36.1
155°	27.1	33.9	36.1	38.4	33.9
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°	18.1	92.6	343.2	444.8	460.6
110°	20.3	83.5	313.9	397.4	413.2



(END OF REPORT)