

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: P830353

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830353  
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-L940-CD  
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

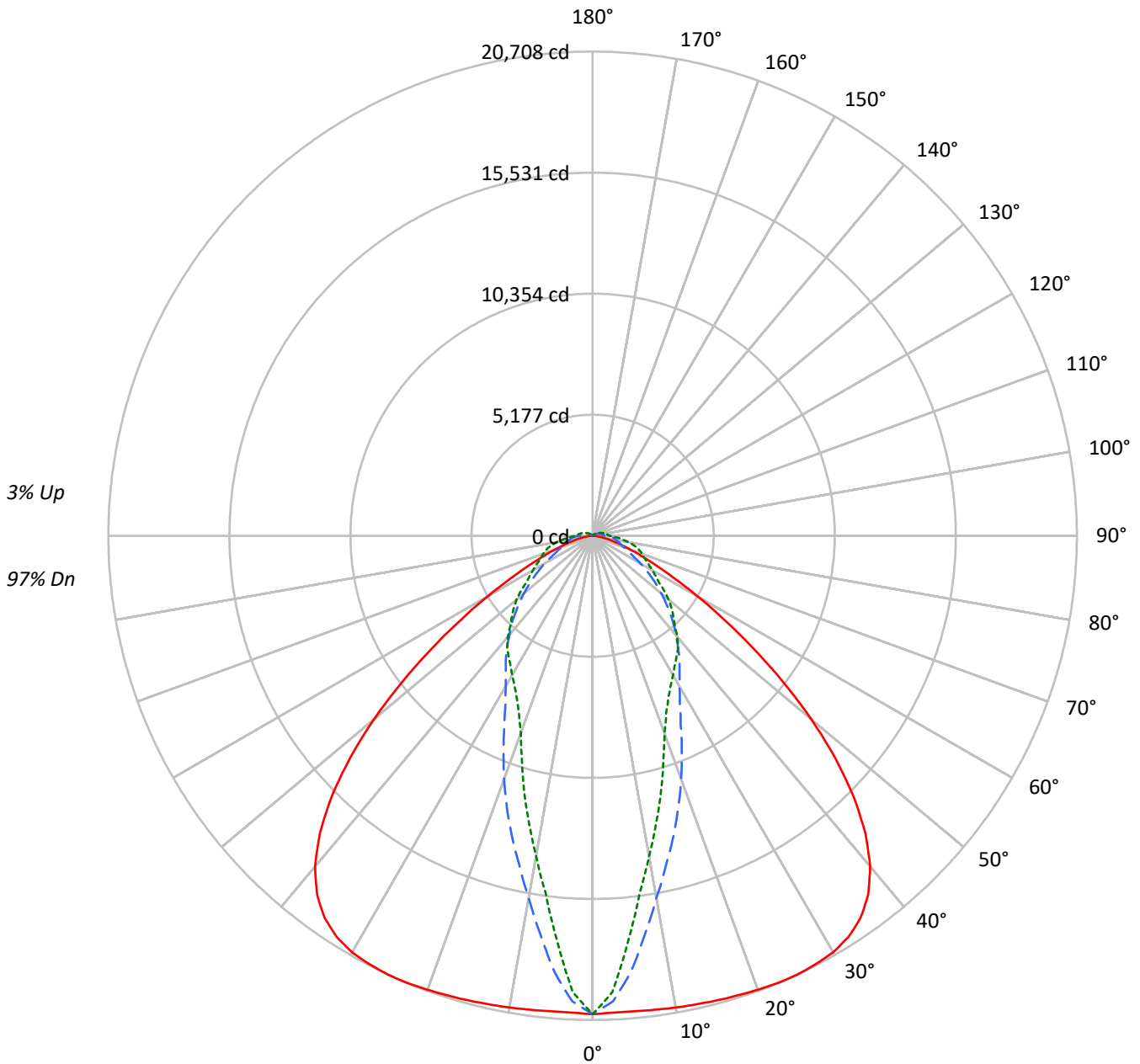
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30192.0 lumens  
Efficiency: N/A  
Efficacy: 142.4 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<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

TEST NUMBER: P830353

CATALOG NUMBER: OHBL-36HE-N-UNV-L940-CD

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					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	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	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	85	85	85	85	82		
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	73	73	73	71		
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	64	64	64	62		
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	56	56	56	54		
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	50	50	50	48		
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	45	45	45	43		
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	41	41	41	39		
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	37	37	37	35		
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	34	34	34	32		
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	32	32	32	30		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	32352	32352	32352
5°	32286	29475	27410
10°	32650	24839	21993
15°	33288	21253	18063
20°	34223	17979	14619
25°	35407	14889	12818
30°	36630	12834	11917
35°	37393	11702	11363
40°	36753	10577	10790
45°	33811	9565	9999
50°	28526	8458	9396
55°	21675	7415	8373
60°	15190	6367	8029
65°	10218	5492	7878
70°	6978	5164	8289
75°	4843	5342	8894
80°	3333	5944	9219
85°	1950	7503	9799



TEST NUMBER: P830353

CATALOG NUMBER: OHBL-36HE-N-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1722.0	5.7
10°-20°	4051.0	13.4
20°-30°	5077.8	16.8
30°-40°	5388.2	17.8
40°-50°	4871.8	16.1
50°-60°	3532.3	11.7
60°-70°	2216.7	7.3
70°-80°	1466.9	4.9
80°-90°	845.1	2.8
90°-100°	409.4	1.4
100°-110°	282.6	0.9
110°-120°	174.4	0.6
120°-130°	84.5	0.3
130°-140°	38.9	0.1
140°-150°	21.2	0.1
150°-160°	9.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	10850.8	35.9
0°-40°	16239.0	53.8
0°-60°	24643.1	81.6
0°-90°	29171.8	96.6
90°-120°	866.4	2.9
90°-150°	1011.0	3.3
90°-180°	1020.0	3.4
0°-180°	30192.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20457	20457	20457	20457	20457	
5°	20416	19892	18724	17856	17406	###
15°	20572	16767	13317	11843	11306	5834
25°	20708	12965	8917	7914	7663	9567
35°	19966	8619	6472	6269	6267	12412
45°	15784	5459	4690	4803	4885	12024
55°	8356	3384	3061	3320	3438	7550
65°	2989	1962	1772	2270	2523	3110
75°	923	1057	1190	1848	1959	1029
85°	162	438	870	1211	1112	194
90°	0	183	504	711	716	10
95°	8	128	444	604	631	7
105°	16	86	323	428	440	16
115°	21	60	218	273	278	21
125°	23	31	111	140	138	20
135°	20	23	49	76	76	15
145°	23	25	29	45	43	14
155°	23	29	31	33	29	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830353

CATALOG NUMBER: OHBL-36HE-N-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20456.7	20456.7	20456.7	20456.7	20456.7
2.5°	20413.9	20297.0	19933.0	19711.0	19524.1
5°	20415.8	19892.1	18723.9	17855.6	17405.8
7.5°	20445.0	19280.7	17176.1	15908.6	15414.1
10°	20489.8	18523.4	15731.4	14380.2	13918.8
12.5°	20522.9	17670.6	14460.1	13071.9	12565.7
15°	20571.6	16767.2	13317.2	11843.3	11306.0
17.5°	20616.3	15916.4	12188.0	10647.9	10050.2
20°	20661.1	14999.4	11058.7	9472.0	8979.4
22.5°	20704.0	14031.7	9956.7	8558.8	8222.0
25°	20707.8	12964.8	8917.1	7914.4	7663.2
27.5°	20657.2	11858.9	8074.0	7375.1	7219.3
30°	20569.6	10786.1	7419.9	6985.7	6874.7
32.5°	20351.6	9692.0	6913.6	6609.9	6545.7
35°	19966.1	8619.2	6471.7	6269.2	6267.3
37.5°	19358.6	7667.1	5992.7	5957.7	6000.5
40°	18461.1	6833.8	5539.1	5632.6	5632.6
42.5°	17263.7	6109.6	5128.3	5223.7	5198.4
45°	15784.0	5459.3	4690.2	4803.1	4884.9
47.5°	14068.7	4886.9	4242.4	4460.5	4573.4
50°	12203.5	4341.7	3833.6	4112.0	4240.5
52.5°	10248.8	3837.5	3434.4	3753.7	3856.9
55°	8356.3	3383.8	3060.6	3319.6	3438.3
57.5°	6643.0	2951.6	2694.6	2939.9	3185.2
60°	5169.2	2579.7	2350.0	2700.4	2945.7
62.5°	3948.4	2248.7	2026.8	2476.5	2721.8
65°	2988.6	1962.5	1771.7	2270.2	2523.3
67.5°	2252.6	1715.3	1573.1	2120.2	2367.5
70°	1691.9	1475.8	1413.5	2026.8	2248.7
72.5°	1249.9	1255.8	1286.9	1945.0	2114.4
75°	922.9	1057.2	1189.6	1847.7	1958.6
77.5°	660.0	876.1	1102.0	1730.8	1769.8
80°	457.5	714.5	1010.5	1577.0	1543.9
82.5°	286.2	572.4	928.7	1407.7	1316.1
85°	161.6	438.1	870.3	1211.0	1111.7
87.5°	72.0	327.1	761.3	944.3	882.0
90°	0.0	183.0	504.3	710.6	716.5
92.5°	3.9	151.9	465.3	650.3	669.8
95°	7.8	128.5	443.9	603.6	630.8
97.5°	9.7	112.9	416.6	560.7	584.1
100°	11.7	101.2	383.6	515.9	535.4
102.5°	13.6	93.5	352.4	469.2	484.8
105°	15.6	85.7	323.2	428.3	440.0



TEST NUMBER: P830353

CATALOG NUMBER: OHBL-36HE-N-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	19.5	66.2	243.4	307.6	317.4
115°	21.4	60.4	218.1	272.6	278.4
117.5°	23.4	52.6	190.8	239.5	241.4
120°	23.4	46.7	163.5	204.4	204.4
122.5°	23.4	38.9	136.3	169.4	167.4
125°	23.4	31.2	111.0	140.2	138.2
127.5°	21.4	25.3	89.6	116.8	114.9
130°	21.4	25.3	72.0	99.3	99.3
132.5°	19.5	23.4	58.4	85.7	85.7
135°	19.5	23.4	48.7	75.9	75.9
137.5°	19.5	25.3	40.9	66.2	66.2
140°	19.5	23.4	35.0	58.4	58.4
142.5°	21.4	23.4	31.2	50.6	50.6
145°	23.4	25.3	29.2	44.8	42.8
147.5°	23.4	27.3	29.2	38.9	37.0
150°	23.4	29.2	29.2	35.0	33.1
152.5°	23.4	29.2	29.2	33.1	31.2
155°	23.4	29.2	31.2	33.1	29.2
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°	15.6	79.8	295.9	383.6	397.2
110°	17.5	72.0	270.6	342.7	356.3



(END OF REPORT)