

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: P828694

Luminaire Tested: **OHBL-36HE-N-UNV-L950-CD-UPL36**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P828694  
REPORT IS A COMBINATION OF REPORTS P826314 AND G3-2310-221-2  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36HE-N-UNV-L950-CD-UPL36  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

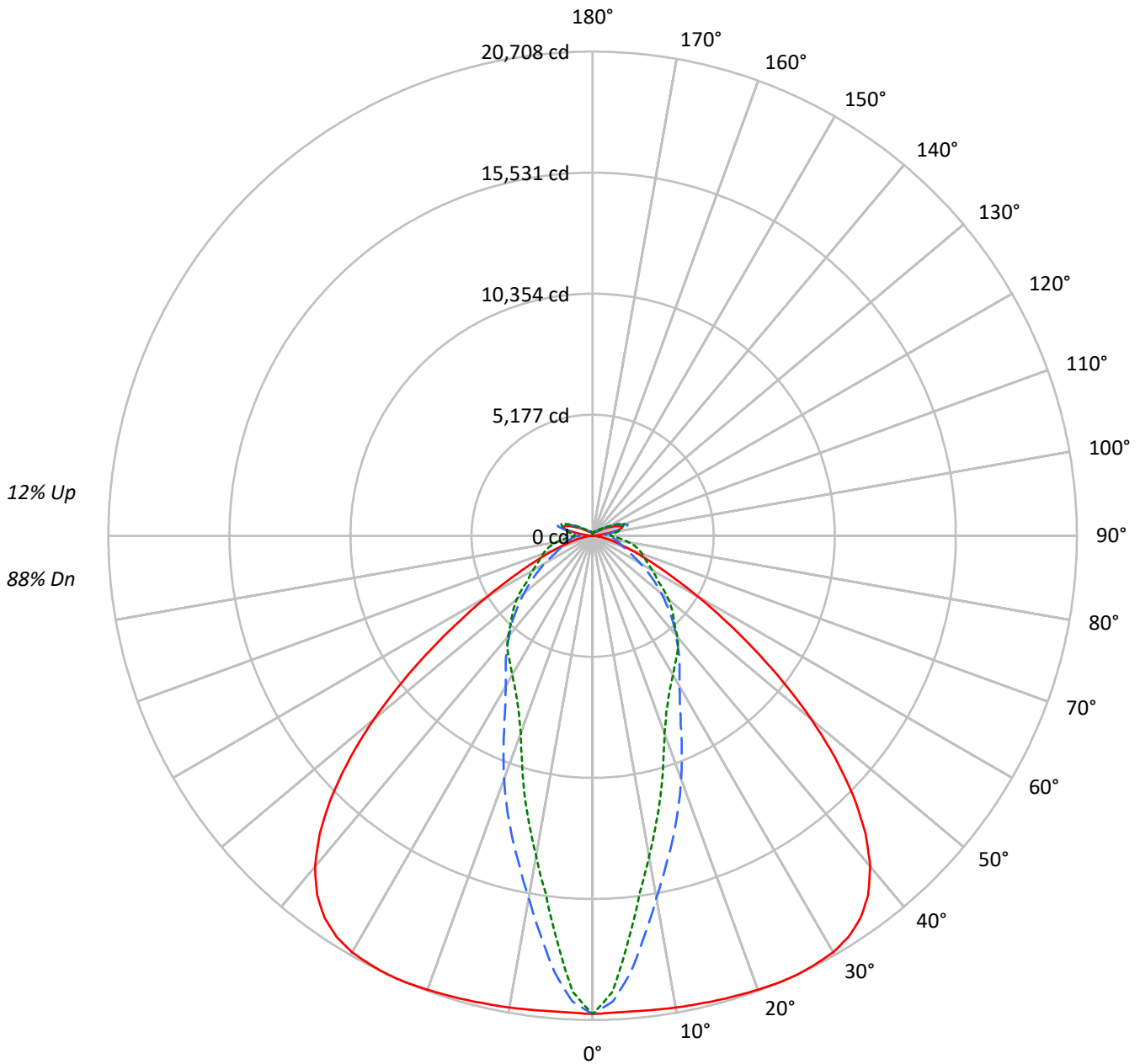
Lumens per Lamp: N/A  
Luminaire Lumens: 33305.9 lumens  
Efficiency: N/A  
Efficacy: 138.3 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 240.8  
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	90	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

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

	0°	45°	90°
0°	32351	32351	32351
5°	32149	29475	27525
10°	32375	24839	22179
15°	32865	21253	18294
20°	33638	17979	14873
25°	34638	14889	13102
30°	35656	12833	12242
35°	36199	11702	11737
40°	35363	10577	11213
45°	32309	9565	10464
50°	27040	8457	9912
55°	20349	7415	8919
60°	14090	6367	8656
65°	9330	5492	8626
70°	6236	5164	9274
75°	4190	5342	10277
80°	2732	5944	11248
85°	1424	7503	13413



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1722.0	5.2
10°-20°	4050.9	12.2
20°-30°	5077.7	15.2
30°-40°	5388.1	16.2
40°-50°	4871.7	14.6
50°-60°	3532.3	10.6
60°-70°	2216.7	6.7
70°-80°	1466.9	4.4
80°-90°	851.8	2.6
90°-100°	648.6	1.9
100°-110°	1366.0	4.1
110°-120°	1071.0	3.2
120°-130°	508.8	1.5
130°-140°	253.7	0.8
140°-150°	146.8	0.4
150°-160°	82.9	0.2
160°-170°	38.3	0.1
170°-180°	11.7	0.0
0°-30°	10850.6	32.6
0°-40°	16238.7	48.8
0°-60°	24642.6	74.0
0°-90°	29178.0	87.6
90°-120°	3085.7	9.3
90°-150°	3995.0	12.0
90°-180°	4128.0	12.4
0°-180°	33305.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20456	20456	20456	20456	20456	
5°	20415	19892	18724	17855	17406	###
15°	20571	16767	13317	11843	11306	5834
25°	20708	12964	8917	7914	7663	9567
35°	19966	8619	6472	6269	6267	12412
45°	15784	5459	4690	4803	4885	12024
55°	8356	3384	3060	3320	3438	7550
65°	2988	1962	1772	2270	2523	3110
75°	923	1057	1190	1848	1959	1029
85°	162	438	870	1211	1112	194
90°	7	226	559	773	780	15
95°	62	236	587	786	827	208
105°	1300	1367	1528	1325	1250	1236
115°	917	944	1108	1169	1166	926
125°	464	488	578	599	589	435
135°	280	290	323	352	353	222
145°	213	219	227	246	245	135
155°	176	185	189	193	189	79
165°	131	133	134	135	136	38
175°	120	120	121	121	122	12
180°	118	118	118	118	118	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20456.3	20456.3	20456.3	20456.3	20456.3
2.5°	20413.5	20296.7	19932.6	19710.7	19523.7
5°	20415.4	19891.8	18723.6	17855.3	17405.5
7.5°	20444.6	19280.4	17175.8	15908.3	15413.8
10°	20489.4	18523.0	15731.1	14380.0	13918.6
12.5°	20522.5	17670.2	14459.8	13071.7	12565.5
15°	20571.2	16766.9	13316.9	11843.1	11305.8
17.5°	20616.0	15916.1	12187.7	10647.7	10050.0
20°	20660.8	14999.1	11058.6	9471.8	8979.2
22.5°	20703.6	14031.4	9956.5	8558.6	8221.8
25°	20707.5	12964.5	8916.9	7914.2	7663.1
27.5°	20656.9	11858.7	8073.9	7375.0	7219.2
30°	20569.2	10786.0	7419.8	6985.6	6874.6
32.5°	20351.2	9691.8	6913.6	6609.8	6545.5
35°	19965.7	8619.1	6471.5	6269.1	6267.1
37.5°	19358.3	7667.0	5992.6	5957.6	6000.4
40°	18460.7	6833.7	5539.0	5632.4	5632.4
42.5°	17263.3	6109.4	5128.2	5223.6	5198.3
45°	15783.7	5459.2	4690.1	4803.1	4884.8
47.5°	14068.5	4886.8	4242.4	4460.4	4573.4
50°	12203.3	4341.7	3833.5	4111.9	4240.4
52.5°	10248.6	3837.4	3434.4	3753.7	3856.9
55°	8356.2	3383.8	3060.5	3319.5	3438.3
57.5°	6642.9	2951.5	2694.6	2939.9	3185.2
60°	5169.1	2579.6	2349.9	2700.4	2945.7
62.5°	3948.3	2248.7	2026.8	2476.5	2721.8
65°	2988.5	1962.5	1771.7	2270.1	2523.2
67.5°	2252.6	1715.2	1573.1	2120.2	2367.5
70°	1691.9	1475.8	1413.5	2026.8	2248.7
72.5°	1249.9	1255.7	1287.0	1944.9	2114.4
75°	922.8	1057.2	1189.6	1847.7	1958.6
77.5°	660.0	876.1	1101.9	1730.8	1769.8
80°	457.5	714.5	1010.5	1577.0	1543.9
82.5°	286.2	572.4	928.7	1407.6	1316.1
85°	161.6	438.0	870.3	1211.0	1111.7
87.5°	72.1	327.1	761.3	944.2	882.0
90°	7.0	225.6	559.1	773.2	780.0
92.5°	25.6	204.1	532.3	733.7	758.4
95°	61.7	236.3	587.4	786.2	827.3
97.5°	334.9	462.5	720.1	923.3	967.5
100°	709.8	817.6	939.1	1075.9	1112.7
102.5°	1107.4	1202.0	1228.8	1194.4	1183.8
105°	1299.7	1367.2	1528.2	1324.7	1249.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1071.5	1120.8	1288.4	1349.2	1331.1
115°	916.9	943.7	1108.4	1169.0	1166.1
117.5°	789.4	809.9	955.0	1000.2	992.6
120°	667.6	690.9	816.5	845.2	838.2
122.5°	557.2	585.0	688.3	712.8	699.6
125°	464.2	487.6	577.8	599.2	588.6
127.5°	399.6	408.7	485.2	508.1	506.1
130°	346.6	357.4	413.8	442.7	441.0
132.5°	308.1	319.0	362.7	392.6	395.2
135°	280.3	290.3	322.6	352.4	353.3
137.5°	257.7	268.7	289.5	319.2	320.0
140°	238.6	247.7	264.6	291.4	291.4
142.5°	224.8	232.1	244.1	266.2	266.2
145°	212.9	219.2	227.4	245.6	244.6
147.5°	202.5	209.8	216.1	226.8	225.6
150°	192.9	201.4	204.8	212.4	211.4
152.5°	184.2	192.7	196.1	200.9	199.8
155°	176.4	184.8	189.4	193.1	189.2
157.5°	146.1	148.7	151.3	152.2	152.2
160°	140.8	142.6	145.2	145.2	146.1
162.5°	135.6	137.4	139.1	140.0	140.8
165°	131.3	133.0	133.9	134.8	135.6
167.5°	127.8	128.7	129.5	130.4	130.4
170°	124.3	125.2	126.1	126.1	126.9
172.5°	121.7	122.6	123.5	123.5	123.5
175°	120.0	120.0	120.9	120.9	121.7
177.5°	118.2	119.1	119.1	119.1	120.0
180°	118.2	118.2	118.2	118.2	118.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1311.9	1378.8	1563.6	1499.9	1362.2
110°	1213.9	1279.7	1458.3	1480.8	1425.7



(END OF REPORT)