

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: P828088

Luminaire Tested: **OHBL-36HE-A-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828088  
REPORT IS A COMBINATION OF REPORTS P826311 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-A-UNV-L935-CD-UPL36  
Description:  
Light Source: -  
Ballast/Driver: -

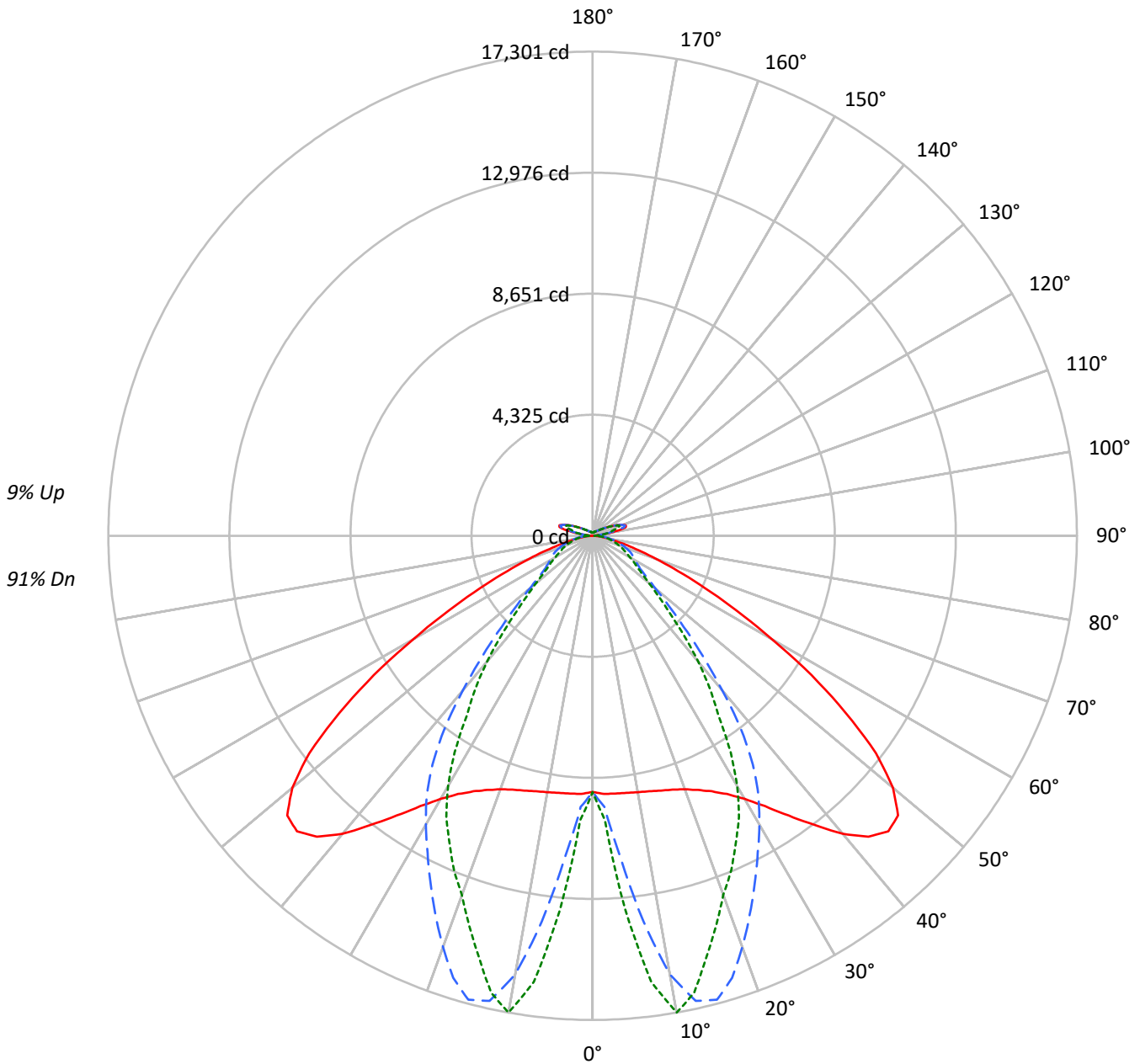
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32364.2 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: 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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	91	90	88	86	85	84	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	90	81	75	70	77	72	68	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	40	34	31	29																			

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

	0°	45°	90°
0°	14479	14479	14479
5°	14562	18219	21225
10°	14701	25129	27569
15°	15061	27387	25303
20°	15694	25424	22613
25°	16851	22876	20684
30°	18804	20609	18393
35°	22124	18048	14657
40°	26626	13753	11664
45°	30573	9377	8302
50°	31030	6437	6140
55°	26897	5071	5016
60°	20126	4750	4513
65°	13825	4773	4275
70°	8865	4613	4140
75°	5354	4282	3962
80°	3172	3781	4087
85°	1547	3276	3790



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1195.2	3.7
10°-20°	4218.6	13.0
20°-30°	6216.3	19.2
30°-40°	6532.4	20.2
40°-50°	4998.5	15.4
50°-60°	3018.3	9.3
60°-70°	1841.8	5.7
70°-80°	1005.3	3.1
80°-90°	359.3	1.1
90°-100°	229.3	0.7
100°-110°	1038.4	3.2
110°-120°	859.4	2.7
120°-130°	406.7	1.3
130°-140°	205.9	0.6
140°-150°	120.4	0.4
150°-160°	70.6	0.2
160°-170°	36.7	0.1
170°-180°	11.2	0.0
0°-30°	11630.1	35.9
0°-40°	18162.5	56.1
0°-60°	26179.2	80.9
0°-90°	29385.6	90.8
90°-120°	2127.1	6.6
90°-150°	2860.1	8.8
90°-180°	2979.0	9.2
0°-180°	32364.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9155	9155	9155	9155	9155	
5°	9247	9921	11573	12923	13421	884
15°	9427	14684	17161	16014	15637	2681
25°	10074	17041	13700	12404	12098	4708
35°	12203	13647	9981	8312	7826	7741
45°	14936	7787	4598	4046	3876	11285
55°	11045	2641	2093	1940	1934	9760
65°	4428	1672	1540	1318	1250	4537
75°	1179	1040	954	787	755	1357
85°	176	322	380	346	314	217
90°	7	41	52	60	61	14
95°	52	103	138	175	188	192
105°	1231	1228	1155	859	776	1170
115°	858	847	853	859	851	868
125°	422	438	448	440	432	398
135°	250	256	262	265	266	198
145°	182	186	190	192	193	116
155°	147	149	152	153	153	69
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



TEST NUMBER: P828088

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9155.3	9155.3	9155.3	9155.3	9155.3
2.5°	9230.3	9324.6	9695.9	10081.5	10175.3
5°	9247.3	9920.9	11573.3	12922.7	13421.3
7.5°	9266.8	10887.1	13899.5	15551.5	16080.3
10°	9304.2	12108.8	15915.1	17101.1	17300.9
12.5°	9350.5	13403.2	17024.2	16981.0	16728.9
15°	9427.4	14683.5	17160.8	16013.6	15637.1
17.5°	9508.2	15766.7	16564.8	14960.7	14632.8
20°	9639.8	16570.7	15637.9	14024.8	13652.2
22.5°	9829.4	17012.8	14665.8	13178.2	12935.2
25°	10074.0	17041.4	13700.4	12403.7	12097.5
27.5°	10401.8	16646.1	12775.1	11644.8	11321.3
30°	10847.8	15889.2	11915.3	10729.7	10328.4
32.5°	11453.6	14799.7	11028.8	9624.9	9175.0
35°	12202.7	13647.0	9981.0	8312.1	7826.0
37.5°	13020.1	12367.2	8709.3	7149.6	6866.5
40°	13899.5	11048.4	7202.2	6061.7	5859.1
42.5°	14585.8	9614.7	5802.2	5037.4	4821.8
45°	14935.6	7787.2	4597.7	4045.7	3875.8
47.5°	14799.3	6044.8	3644.8	3214.6	3163.5
50°	14004.3	4463.4	2917.8	2648.1	2626.8
52.5°	12761.3	3326.8	2410.2	2243.3	2206.8
55°	11045.3	2640.6	2092.9	1939.8	1933.9
57.5°	9273.5	2243.3	1899.8	1781.2	1740.0
60°	7383.6	2000.3	1753.3	1619.5	1535.8
62.5°	5787.7	1830.3	1645.8	1464.0	1385.8
65°	4428.1	1671.7	1539.8	1317.6	1250.4
67.5°	3300.9	1520.5	1410.2	1163.7	1124.4
70°	2405.1	1365.4	1262.6	1034.9	1003.8
72.5°	1714.1	1210.8	1115.0	914.0	879.8
75°	1179.0	1039.6	953.6	786.8	755.0
77.5°	795.4	864.9	794.6	671.8	658.4
80°	531.2	685.8	642.7	569.2	561.0
82.5°	322.3	497.8	507.3	462.8	440.5
85°	175.5	322.3	380.0	346.2	314.1
87.5°	68.7	178.7	261.8	235.2	221.4
90°	6.7	40.8	52.5	60.0	60.8
92.5°	20.8	50.0	64.2	80.0	85.0
95°	51.7	103.3	137.5	175.0	188.3
97.5°	311.7	335.0	290.8	347.5	367.5
100°	669.2	686.7	532.5	536.7	553.3
102.5°	1048.3	1062.5	840.0	695.0	670.0
105°	1230.8	1228.3	1155.0	859.2	775.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1008.3	1010.8	1001.7	998.3	971.7
115°	858.3	846.7	853.3	859.2	850.8
117.5°	734.2	725.8	732.5	729.2	720.0
120°	617.5	617.5	625.8	614.2	607.5
122.5°	511.7	523.3	529.2	520.8	510.0
125°	422.5	437.5	447.5	440.0	431.7
127.5°	362.5	367.5	379.2	375.0	375.0
130°	311.7	318.3	327.5	329.2	327.5
132.5°	276.7	283.3	291.7	294.2	296.7
135°	250.0	255.8	262.5	265.0	265.8
137.5°	228.3	233.3	238.3	242.5	243.3
140°	210.0	215.0	220.0	223.3	223.3
142.5°	195.0	200.0	204.2	206.7	206.7
145°	181.7	185.8	190.0	192.5	193.3
147.5°	171.7	175.0	179.2	180.0	180.8
150°	162.5	165.0	168.3	170.0	170.8
152.5°	154.2	156.7	160.0	160.8	161.7
155°	146.7	149.2	151.7	153.3	153.3
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1242.5	1245.0	1215.0	1070.0	925.0
110°	1146.7	1157.5	1138.3	1090.8	1025.0



(END OF REPORT)