

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: P827795

Luminaire Tested: **OHBL-36HE-NL-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827795  
REPORT IS A COMBINATION OF REPORTS P826171 AND G3-2310-221-8  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36HE-NL-UNV-L930-CD-UPL18  
Description:  
Light Source: -  
Ballast/Driver: -

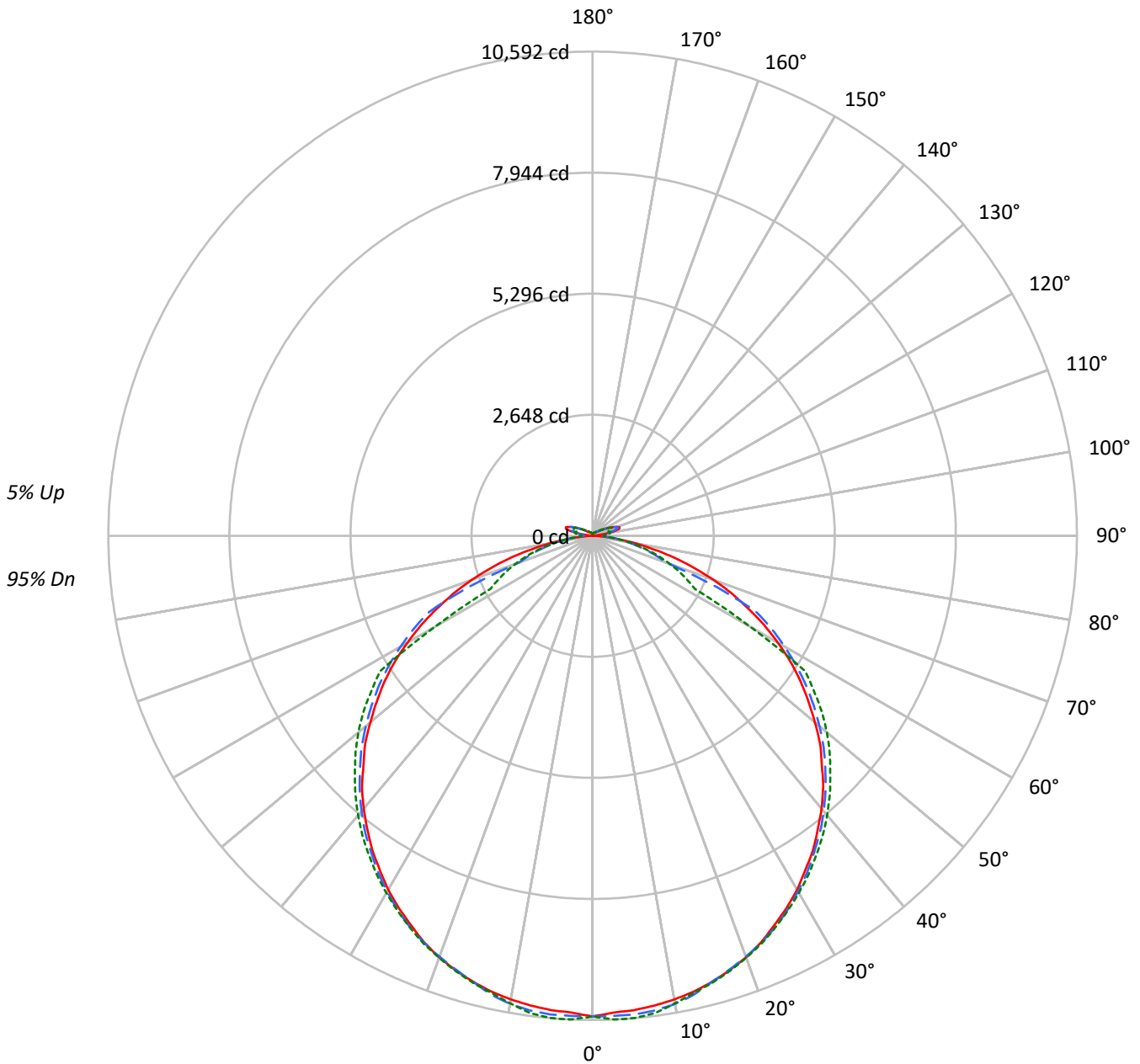
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30967.1 lumens  
Efficiency: N/A  
Efficacy: 138.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 224.3  
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	114	114	114	114	108	108	108	103	103	103	97	97	97	95																			
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80																			
2	99	91	84	79	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

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

	0°	45°	90°
0°	16628	16628	16628
5°	16456	16602	16773
10°	16381	16529	16600
15°	16296	16282	16455
20°	16188	16150	16373
25°	15988	16052	16298
30°	15819	15879	16227
35°	15614	15674	16164
40°	15365	15480	16116
45°	15015	15207	16016
50°	14641	14899	15952
55°	14186	14507	15681
60°	13500	13925	12114
65°	12511	13177	8069
70°	11235	6784	7714
75°	9356	6145	7193
80°	6605	5159	6298
85°	2681	4168	5449



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	998.9	3.2
10°-20°	2860.1	9.2
20°-30°	4351.9	14.1
30°-40°	5291.4	17.1
40°-50°	5563.6	18.0
50°-60°	5080.2	16.4
60°-70°	3256.7	10.5
70°-80°	1538.4	5.0
80°-90°	430.2	1.4
90°-100°	251.4	0.8
100°-110°	511.6	1.7
110°-120°	421.5	1.4
120°-130°	198.3	0.6
130°-140°	99.1	0.3
140°-150°	57.5	0.2
150°-160°	33.6	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	8211.0	26.5
0°-40°	13502.3	43.6
0°-60°	24146.2	78.0
0°-90°	29371.5	94.8
90°-120°	1184.5	3.8
90°-150°	1539.4	5.0
90°-180°	1596.0	5.2
0°-180°	30967.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10514	10514	10514	10514	10514	
5°	10416	10457	10511	10568	10590	991
15°	10101	10177	10099	10114	10121	2852
25°	9400	9415	9448	9463	9455	4337
35°	8402	8352	8448	8551	8527	5251
45°	7086	7074	7193	7363	7350	5477
55°	5553	5511	5697	5887	5902	4953
65°	3742	3742	3959	2271	2278	3709
75°	1849	1884	1223	1288	1293	1949
85°	242	306	382	413	391	357
90°	3	124	197	237	238	13
95°	36	120	226	299	319	100
105°	608	614	536	386	357	577
115°	424	432	437	427	415	425
125°	202	212	217	217	215	190
135°	120	122	126	128	128	95
145°	87	89	91	92	92	55
155°	70	71	72	73	73	33
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10514.4	10514.4	10514.4	10514.4	10514.4
2.5°	10440.5	10475.7	10514.4	10564.2	10591.8
5°	10416.5	10457.2	10510.7	10567.9	10590.0
7.5°	10364.9	10422.0	10473.7	10514.4	10527.2
10°	10300.3	10368.7	10398.2	10394.4	10385.3
12.5°	10213.6	10285.6	10276.5	10233.9	10241.3
15°	10101.1	10176.7	10099.3	10113.9	10121.4
17.5°	9968.2	10042.1	9951.6	9981.1	9983.1
20°	9813.3	9868.6	9798.5	9822.5	9822.5
22.5°	9627.0	9665.6	9636.2	9652.8	9656.5
25°	9400.0	9414.7	9447.9	9462.8	9455.3
27.5°	9182.4	9163.9	9228.5	9263.5	9244.9
30°	8940.7	8911.1	8986.7	9044.0	9021.9
32.5°	8663.8	8645.4	8732.2	8800.4	8787.5
35°	8401.9	8352.1	8448.0	8551.4	8527.3
37.5°	8091.9	8062.4	8171.2	8280.2	8267.3
40°	7789.3	7739.5	7863.1	7992.3	7979.4
42.5°	7464.7	7405.5	7540.3	7695.4	7680.5
45°	7086.3	7073.5	7193.4	7363.1	7350.3
47.5°	6750.8	6686.1	6853.9	7018.2	7033.1
50°	6344.7	6320.8	6474.0	6673.2	6687.9
52.5°	5948.2	5931.6	6091.9	6293.1	6318.9
55°	5553.2	5510.8	5697.1	5887.3	5902.0
57.5°	5130.9	5086.6	5276.6	5483.2	5514.5
60°	4678.7	4636.4	4844.7	5036.7	4005.5
62.5°	4226.7	4197.3	4415.0	3127.2	2520.3
65°	3741.5	3741.5	3959.1	2271.1	2278.5
67.5°	3287.8	3258.3	2952.0	2040.4	2040.4
70°	2800.6	2811.8	1700.9	1787.9	1789.6
72.5°	2311.8	2352.3	1468.7	1538.6	1542.3
75°	1848.6	1883.7	1223.2	1287.8	1293.3
77.5°	1357.9	1044.2	983.3	1033.3	1035.1
80°	953.8	658.6	752.8	800.7	795.2
82.5°	557.1	461.2	551.6	586.8	584.8
85°	241.6	306.3	381.9	413.3	391.1
87.5°	77.4	190.0	237.9	256.5	254.5
90°	3.2	123.5	197.2	237.4	237.9
92.5°	10.5	107.8	192.1	246.1	254.2
95°	36.2	119.8	226.2	299.2	318.6
97.5°	161.3	210.8	279.1	357.0	373.7
100°	328.7	372.4	343.4	392.1	398.9
102.5°	517.7	533.4	402.0	390.4	387.5
105°	608.2	613.6	535.5	386.0	356.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	497.8	504.7	500.4	482.1	448.8
115°	423.9	432.4	437.1	426.7	414.8
117.5°	353.2	355.7	357.3	355.7	356.5
120°	295.0	300.7	303.9	301.5	299.9
122.5°	246.5	253.8	257.9	255.4	253.8
125°	202.1	211.8	217.4	216.6	215.0
127.5°	171.4	178.6	185.9	185.1	183.5
130°	148.7	154.4	159.2	160.0	160.9
132.5°	133.4	135.8	140.6	141.5	143.1
135°	119.6	122.1	126.1	127.7	128.5
137.5°	109.1	111.6	114.8	116.4	117.2
140°	100.2	102.7	105.1	106.7	107.5
142.5°	93.0	95.4	97.8	98.6	99.4
145°	87.3	88.9	91.3	92.2	92.2
147.5°	81.6	83.3	84.9	86.5	86.5
150°	76.8	78.4	80.0	80.8	81.6
152.5°	73.6	74.4	76.0	76.8	76.8
155°	69.5	71.1	71.9	72.8	72.8
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	613.8	623.0	583.5	449.8	368.4
110°	564.9	576.7	558.0	502.3	433.4



(END OF REPORT)