

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: P827801

Luminaire Tested: **OHBL-36SE-MCL-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827801  
REPORT IS A COMBINATION OF REPORTS P826174 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-36SE-MCL-UNV-L930-CD-UPL18  
Description:  
Light Source: -  
Ballast/Driver: -

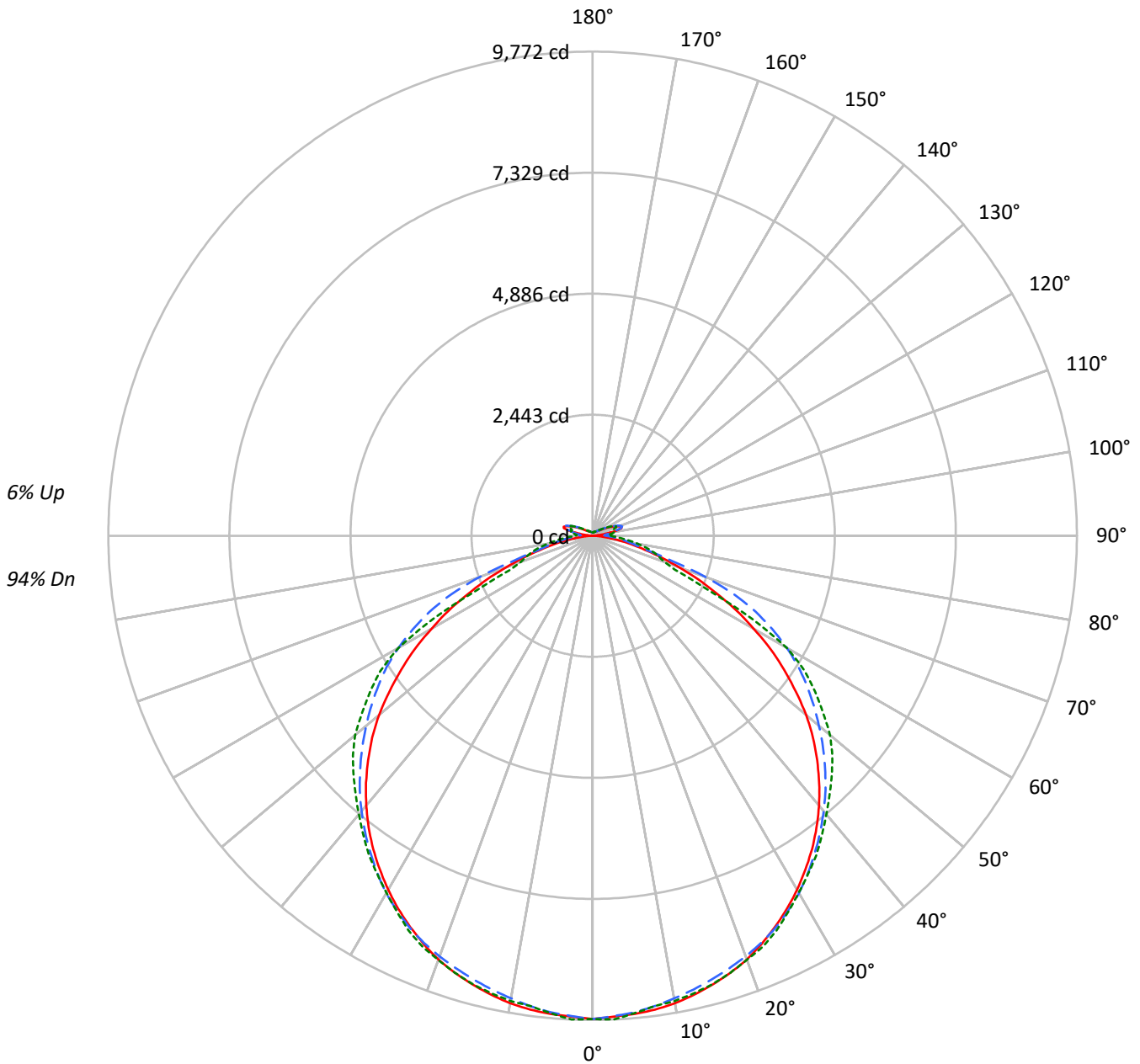
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29012.6 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 223.3  
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				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	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	96	96	96	94
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	85	84	82	82	82	82	79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	69	69	69	66
3	90	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	59	59	59	56
4	82	70	62	55	79	69	61	54	65	58	53	62	56	52	59	55	50	50	50	50	48
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	44	44	44	42
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	48	43	38	38	38	38	36
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	38	34	34	34	34	32
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	31	31	31	29
9	56	43	35	29	54	42	34	29	40	33	28	39	32	28	37	32	28	28	28	28	26
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	25	25	25	23

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

	0°	45°	90°
0°	15424	15424	15424
5°	15258	15200	15296
10°	15138	14969	15190
15°	14978	14797	15154
20°	14815	14689	15087
25°	14568	14580	15024
30°	14303	14408	14814
35°	13996	14134	14737
40°	13615	13852	14610
45°	13114	13526	14614
50°	12461	13154	14616
55°	11480	12788	14207
60°	10228	12253	13293
65°	8638	11260	8558
70°	6810	8790	6340
75°	4944	5218	6644
80°	3258	4338	6699
85°	1653	3976	7044



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	919.6	3.2
10°-20°	2637.0	9.1
20°-30°	4027.5	13.9
30°-40°	4886.7	16.8
40°-50°	5121.7	17.7
50°-60°	4641.1	16.0
60°-70°	3111.7	10.7
70°-80°	1397.3	4.8
80°-90°	510.7	1.8
90°-100°	291.0	1.0
100°-110°	552.7	1.9
110°-120°	449.0	1.5
120°-130°	218.2	0.8
130°-140°	112.7	0.4
140°-150°	66.7	0.2
150°-160°	40.4	0.1
160°-170°	21.8	0.1
170°-180°	6.7	0.0
0°-30°	7584.1	26.1
0°-40°	12470.8	43.0
0°-60°	22233.6	76.6
0°-90°	27253.2	93.9
90°-120°	1292.7	4.5
90°-150°	1690.4	5.8
90°-180°	1759.0	6.1
0°-180°	29012.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9753	9753	9753	9753	9753	
5°	9689	9723	9656	9685	9672	922
15°	9375	9338	9272	9354	9365	2647
25°	8709	8671	8732	8812	8787	4014
35°	7719	7738	7817	7900	7869	4825
45°	6406	6511	6632	6801	6822	4935
55°	4714	4941	5278	5490	5477	4208
65°	2767	3200	3633	3066	2503	2757
75°	1089	1579	1162	1189	1266	1190
85°	188	360	461	557	584	229
90°	5	140	266	335	354	14
95°	32	141	268	334	359	99
105°	605	626	586	454	430	575
115°	426	436	460	466	468	429
125°	212	223	243	246	246	200
135°	132	136	142	150	152	105
145°	100	103	105	108	109	64
155°	84	87	88	88	87	39
165°	75	76	76	77	77	22
175°	70	70	69	68	68	7
180°	68	68	68	68	68	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9752.8	9752.8	9752.8	9752.8	9752.8
2.5°	9713.3	9754.2	9703.5	9758.4	9772.5
5°	9689.3	9723.2	9655.5	9685.1	9672.4
7.5°	9645.6	9656.9	9576.5	9600.5	9575.1
10°	9580.8	9575.1	9480.6	9527.2	9532.8
12.5°	9484.9	9467.9	9383.3	9453.9	9455.2
15°	9374.9	9338.2	9271.9	9353.7	9365.0
17.5°	9248.0	9200.0	9156.3	9262.0	9245.2
20°	9099.9	9043.5	9035.0	9150.7	9108.4
22.5°	8916.6	8872.8	8892.6	9002.6	8975.8
25°	8709.2	8671.2	8731.9	8812.2	8786.8
27.5°	8490.7	8468.1	8537.2	8599.3	8549.9
30°	8251.0	8238.3	8330.0	8380.7	8318.6
32.5°	7990.1	7994.3	8081.7	8150.8	8093.0
35°	7719.3	7737.7	7816.6	7899.8	7868.8
37.5°	7421.8	7462.7	7541.7	7636.1	7603.7
40°	7107.3	7166.5	7254.0	7368.2	7338.5
42.5°	6767.4	6842.2	6955.0	7081.9	7079.1
45°	6406.4	6510.8	6632.1	6801.3	6822.4
47.5°	6031.3	6148.3	6302.1	6527.7	6560.2
50°	5623.8	5770.4	5962.3	6233.0	6252.7
52.5°	5169.7	5370.0	5623.8	5883.3	5859.3
55°	4714.2	4941.3	5278.3	5489.8	5477.1
57.5°	4260.2	4515.4	4924.4	5075.2	5073.8
60°	3752.5	4075.5	4522.5	4636.7	4523.8
62.5°	3282.9	3629.8	4093.7	4010.5	3624.2
65°	2766.8	3199.7	3632.6	3065.8	2503.1
67.5°	2308.4	2759.7	3085.5	2099.7	1798.0
70°	1847.4	2345.1	2405.8	1558.2	1537.1
72.5°	1438.3	1968.6	1659.8	1334.0	1401.7
75°	1088.7	1579.4	1162.0	1188.8	1266.3
77.5°	793.9	1212.7	904.0	1042.1	1105.6
80°	545.7	858.8	737.5	875.7	919.4
82.5°	342.7	566.9	590.9	705.1	750.2
85°	187.5	359.6	461.2	557.0	583.8
87.5°	77.6	217.2	352.5	430.1	452.7
90°	4.6	140.1	265.8	335.3	353.5
92.5°	11.9	118.3	239.0	302.6	318.9
95°	32.1	141.1	267.9	333.8	358.9
97.5°	160.5	231.4	329.2	392.9	411.5
100°	329.2	390.5	400.4	438.1	447.2
102.5°	514.1	547.1	462.9	447.1	446.4
105°	604.6	625.7	586.4	453.8	430.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	496.5	509.6	528.1	527.8	510.5
115°	426.0	436.4	459.6	466.0	468.0
117.5°	364.6	369.7	392.5	399.4	403.0
120°	306.4	313.4	335.0	339.6	339.3
122.5°	257.9	265.1	284.6	289.3	289.1
125°	211.9	223.1	242.8	246.2	246.1
127.5°	182.7	190.0	208.5	211.9	211.7
130°	160.0	167.1	179.0	185.4	186.2
132.5°	146.1	149.9	159.0	165.5	167.1
135°	132.3	136.1	141.6	150.3	152.5
137.5°	123.2	125.6	128.8	137.6	139.8
140°	114.3	116.7	117.8	125.0	127.2
142.5°	105.6	109.4	110.5	115.5	117.8
145°	100.0	103.0	105.4	107.7	109.0
147.5°	95.7	97.3	98.9	100.6	102.0
150°	90.9	92.5	94.1	94.9	95.7
152.5°	87.6	88.4	90.0	90.9	90.9
155°	83.6	86.7	87.5	88.3	86.8
157.5°	81.2	83.4	84.2	85.0	85.0
160°	78.7	80.2	81.0	81.8	81.8
162.5°	77.8	77.8	78.6	79.4	79.4
165°	75.3	76.1	76.1	77.0	77.0
167.5°	73.7	75.1	74.5	74.5	75.3
170°	72.1	72.1	72.9	71.5	71.5
172.5°	70.5	71.3	71.3	69.8	69.8
175°	69.7	69.7	69.0	67.7	67.7
177.5°	70.2	69.7	68.2	66.8	65.5
180°	68.2	68.2	68.2	68.2	68.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	611.7	631.4	626.9	516.4	448.9
110°	562.2	582.7	593.7	557.9	505.0



(END OF REPORT)