

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: P829511

Luminaire Tested: **OHB-36SE-W-UNV-L930-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P829511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-36SE-W-UNV-L930-CD  
Description: 36000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

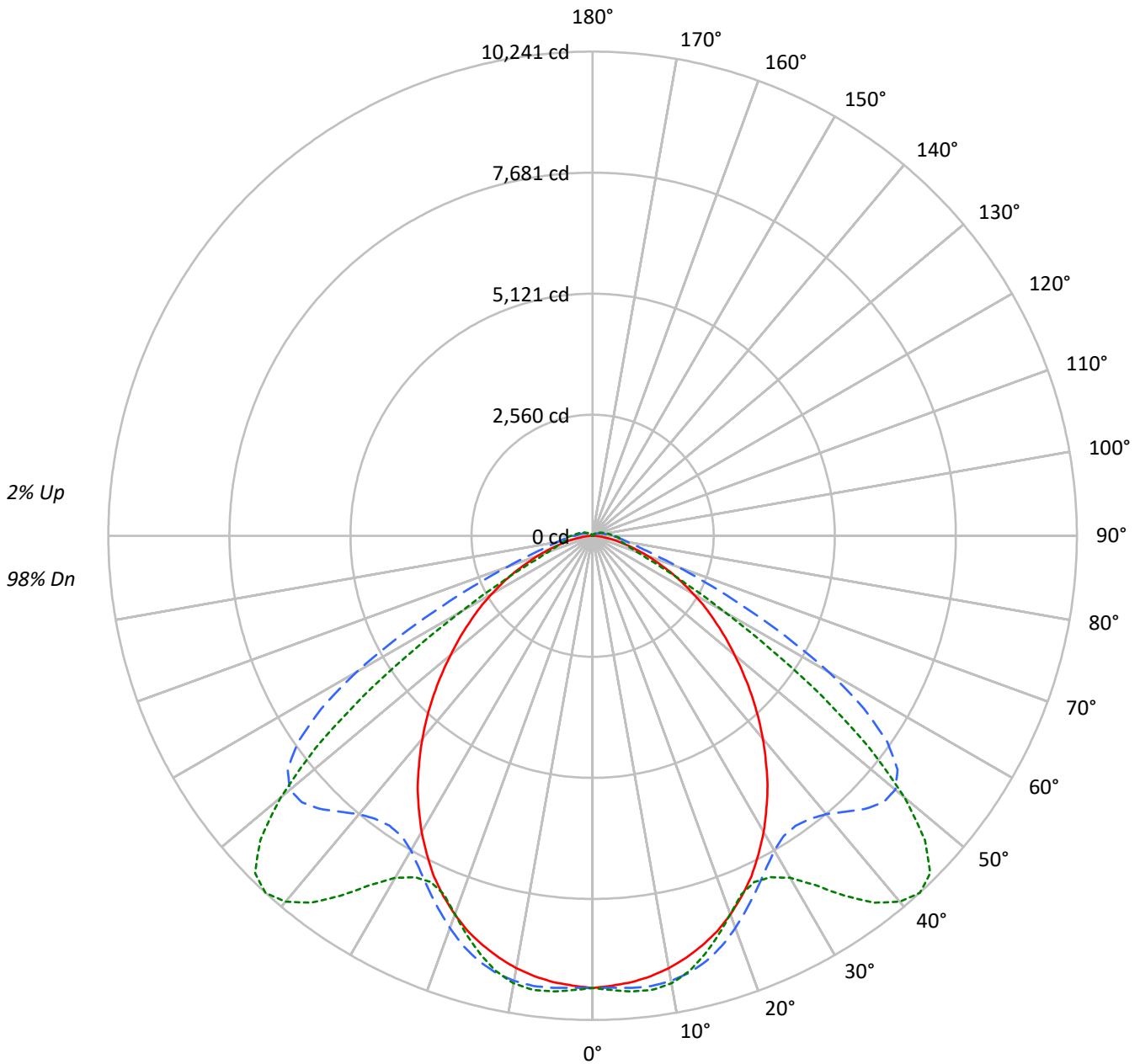
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28642.0 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 226  
Input Voltage (V): NR  
Input Current (Ain): 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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100					98				
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83				
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70				
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59				
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50				
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43				
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38				
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33				
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29				
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26				
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24				

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

	0°	45°	90°
0°	29588	29588	29588
5°	29205	29484	29799
10°	28733	29377	29709
15°	28067	28829	28633
20°	27196	27776	27108
25°	26070	26519	26441
30°	24611	25569	28310
35°	22966	25973	32947
40°	21083	28048	37858
45°	19124	31713	40412
50°	17093	34936	37306
55°	15181	34739	28230
60°	13241	29231	17054
65°	11205	20046	10170
70°	8933	12841	7186
75°	6606	9082	6452
80°	4518	7814	6894
85°	2767	8266	9713



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	914.1	3.2
10°-20°	2588.5	9.0
20°-30°	3787.9	13.2
30°-40°	4919.4	17.2
40°-50°	6007.2	21.0
50°-60°	5290.3	18.5
60°-70°	2756.8	9.6
70°-80°	1182.2	4.1
80°-90°	567.7	2.0
90°-100°	266.8	0.9
100°-110°	165.8	0.6
110°-120°	98.0	0.3
120°-130°	53.3	0.2
130°-140°	26.7	0.1
140°-150°	12.9	0.0
150°-160°	4.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7290.6	25.5
0°-40°	12209.9	42.6
0°-60°	23507.3	82.1
0°-90°	28014.1	97.8
90°-120°	530.6	1.9
90°-150°	623.4	2.2
90°-180°	628.0	2.2
0°-180°	28642.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9566	9566	9566	9566	9566	
5°	9477	9549	9601	9686	9675	899
15°	8967	9219	9308	9238	9164	2525
25°	7946	8371	8228	8074	8082	3646
35°	6450	7131	7488	8732	9291	4020
45°	4749	5975	8167	9888	10094	3662
55°	3162	5234	7605	6668	5927	2838
65°	1814	3626	3482	1936	1666	1795
75°	731	1696	1119	766	726	797
85°	155	605	570	557	563	173
90°	2	219	376	429	440	11
95°	4	128	299	351	361	3
105°	8	72	194	233	237	9
115°	12	41	120	146	151	13
125°	14	21	70	91	93	12
135°	12	12	33	56	58	10
145°	16	12	14	27	31	10
155°	16	16	12	12	12	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9565.9	9565.9	9565.9	9565.9	9565.9
2.5°	9524.6	9565.9	9568.0	9625.8	9619.6
5°	9477.2	9549.4	9601.0	9685.6	9675.3
7.5°	9398.7	9512.2	9603.1	9695.9	9687.7
10°	9287.3	9442.1	9561.8	9638.1	9613.4
12.5°	9142.8	9347.1	9464.8	9481.3	9433.8
15°	8967.4	9219.2	9307.9	9237.8	9163.5
17.5°	8769.3	9064.4	9095.3	8942.6	8849.8
20°	8521.6	8858.0	8827.0	8616.5	8513.3
22.5°	8247.1	8631.0	8531.9	8311.1	8212.0
25°	7945.8	8370.9	8228.5	8073.7	8082.0
27.5°	7592.9	8075.8	7937.5	8007.7	8139.8
30°	7233.8	7766.2	7681.6	8090.3	8350.3
32.5°	6839.6	7448.4	7524.8	8331.7	8756.9
35°	6449.5	7130.6	7487.6	8732.1	9291.4
37.5°	6018.2	6808.6	7547.5	9194.4	9780.5
40°	5599.2	6494.9	7683.7	9609.2	10104.6
42.5°	5172.0	6214.2	7912.8	9854.8	10240.8
45°	4748.9	5974.8	8166.6	9887.9	10094.2
47.5°	4325.8	5772.6	8342.0	9625.8	9530.8
50°	3917.2	5593.0	8354.4	8996.3	8608.3
52.5°	3535.4	5427.9	8127.4	7993.3	7390.6
55°	3161.8	5233.9	7605.3	6668.3	5927.4
57.5°	2821.3	4965.6	6800.4	5244.2	4435.2
60°	2460.1	4602.4	5760.2	3836.7	3199.0
62.5°	2127.8	4150.4	4594.1	2670.6	2299.1
65°	1814.1	3626.2	3481.7	1935.9	1665.5
67.5°	1481.8	3083.4	2569.5	1411.7	1238.3
70°	1221.8	2579.8	1913.2	1098.0	996.8
72.5°	955.6	2101.0	1430.2	891.6	835.9
75°	730.6	1696.5	1118.6	765.7	726.5
77.5°	538.7	1341.5	899.8	676.9	639.8
80°	377.7	1056.7	753.3	604.7	590.3
82.5°	253.9	817.3	641.9	575.8	577.9
85°	154.8	604.7	569.6	557.2	563.4
87.5°	74.3	429.3	489.1	507.7	513.9
90°	2.1	218.8	375.6	429.3	439.6
92.5°	0.0	167.2	330.2	383.9	394.2
95°	4.1	128.0	299.3	350.9	361.2
97.5°	4.1	105.3	268.3	322.0	328.2
100°	6.2	90.8	239.4	291.0	297.2
102.5°	6.2	80.5	214.6	260.0	264.2
105°	8.3	72.2	194.0	233.2	237.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	12.4	49.5	136.2	165.1	169.2
115°	12.4	41.3	119.7	146.5	150.7
117.5°	14.4	37.1	105.3	130.0	132.1
120°	14.4	31.0	90.8	115.6	117.6
122.5°	14.4	24.8	80.5	103.2	105.3
125°	14.4	20.6	70.2	90.8	92.9
127.5°	12.4	14.4	59.9	80.5	82.6
130°	12.4	12.4	49.5	70.2	74.3
132.5°	12.4	12.4	41.3	61.9	66.0
135°	12.4	12.4	33.0	55.7	57.8
137.5°	12.4	12.4	26.8	47.5	51.6
140°	12.4	12.4	20.6	41.3	43.3
142.5°	14.4	12.4	18.6	35.1	37.1
145°	16.5	12.4	14.4	26.8	31.0
147.5°	16.5	14.4	14.4	22.7	24.8
150°	16.5	16.5	12.4	16.5	20.6
152.5°	16.5	16.5	12.4	12.4	16.5
155°	16.5	16.5	12.4	12.4	12.4
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°	10.3	64.0	173.4	208.4	212.6
110°	10.3	55.7	152.7	185.7	189.9



(END OF REPORT)