

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: P830412

Luminaire Tested: **OHBL-36SE-MFL-UNV-L935-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P830412  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36SE-MFL-UNV-L935-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

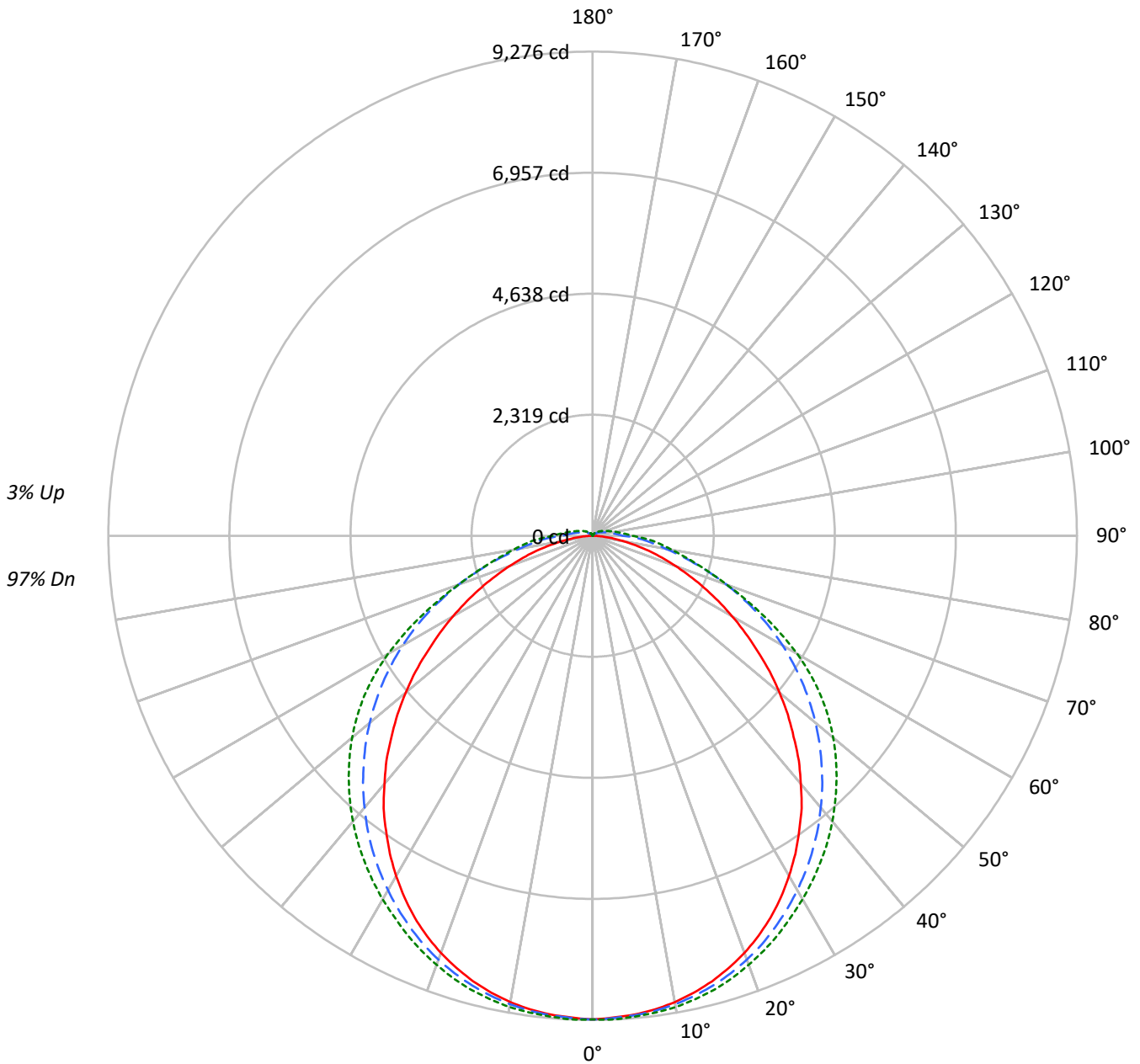
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27735.0 lumens  
Efficiency: N/A  
Efficacy: 131.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 211  
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	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97					
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80					
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66					
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56					
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47					
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41					
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36					
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32					
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28					
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25					
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23					

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

	0°	45°	90°
0°	14656	14656	14656
5°	14562	14517	14561
10°	14460	14389	14485
15°	14298	14236	14385
20°	14084	14049	14238
25°	13798	13815	14090
30°	13401	13561	13941
35°	12921	13292	13812
40°	12345	12980	13686
45°	11665	12641	13524
50°	10921	12299	13327
55°	10007	11880	12996
60°	9071	11386	12333
65°	8049	10756	11244
70°	6941	9952	10065
75°	5820	9024	9269
80°	4412	8352	9196
85°	2791	8681	10276



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	878.1	3.2
10°-20°	2519.2	9.1
20°-30°	3809.8	13.7
30°-40°	4573.7	16.5
40°-50°	4723.9	17.0
50°-60°	4250.0	15.3
60°-70°	3201.5	11.5
70°-80°	1933.2	7.0
80°-90°	945.5	3.4
90°-100°	398.0	1.4
100°-110°	227.2	0.8
110°-120°	133.4	0.5
120°-130°	75.4	0.3
130°-140°	39.7	0.1
140°-150°	19.3	0.1
150°-160°	7.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7207.1	26.0
0°-40°	11780.8	42.5
0°-60°	20754.8	74.8
0°-90°	26834.9	96.8
90°-120°	758.5	2.7
90°-150°	892.9	3.2
90°-180°	900.0	3.2
0°-180°	27735.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9267	9267	9267	9267	9267	
5°	9208	9233	9222	9258	9247	875
15°	8836	8879	8920	8995	9004	2491
25°	8070	8158	8274	8403	8423	3712
35°	6899	7060	7351	7573	7618	4313
45°	5446	5720	6198	6536	6607	4204
55°	3858	4257	4904	5273	5337	3459
65°	2354	2835	3470	3642	3602	2339
75°	1109	1592	2010	2062	2041	1183
85°	231	610	1007	1145	1166	267
90°	0	238	576	726	755	15
95°	11	161	431	549	569	10
105°	16	93	250	327	340	16
115°	18	52	154	206	216	19
125°	18	25	93	134	141	16
135°	16	20	48	82	91	13
145°	23	20	23	41	48	13
155°	23	25	23	20	23	7
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°	9267.1	9267.1	9267.1	9267.1	9267.1
2.5°	9239.9	9262.6	9249.0	9278.5	9276.2
5°	9208.2	9233.1	9221.8	9258.1	9246.7
7.5°	9153.7	9181.0	9178.7	9219.5	9215.0
10°	9074.4	9103.8	9112.9	9167.4	9167.4
12.5°	8965.5	9004.1	9026.7	9092.5	9094.8
15°	8836.2	8879.3	8920.1	8995.0	9004.1
17.5°	8679.7	8734.2	8790.9	8877.0	8888.4
20°	8502.8	8564.1	8641.2	8731.9	8745.5
22.5°	8298.7	8371.3	8471.1	8577.7	8593.5
25°	8069.6	8158.1	8273.8	8403.0	8423.4
27.5°	7808.8	7910.9	8067.4	8212.5	8230.7
30°	7525.3	7645.5	7840.6	8012.9	8042.4
32.5°	7225.9	7364.3	7604.7	7797.5	7838.3
35°	6899.3	7060.4	7350.7	7572.9	7618.3
37.5°	6577.3	6754.2	7083.0	7337.1	7391.5
40°	6200.8	6420.8	6797.3	7078.5	7144.3
42.5°	5847.0	6085.1	6511.5	6817.7	6881.2
45°	5445.5	5720.0	6198.5	6536.4	6606.8
47.5°	5069.0	5366.1	5896.9	6246.1	6318.7
50°	4672.1	4998.7	5574.8	5940.0	6014.8
52.5°	4275.2	4626.8	5241.4	5620.2	5690.5
55°	3857.9	4257.1	4903.5	5273.2	5336.7
57.5°	3470.1	3891.9	4556.5	4908.0	4946.6
60°	3086.8	3524.5	4202.6	4511.1	4524.7
62.5°	2712.6	3173.0	3839.8	4084.7	4066.6
65°	2354.2	2835.0	3470.1	3642.4	3601.6
67.5°	2009.5	2506.2	3091.3	3202.4	3148.0
70°	1682.9	2186.4	2723.9	2780.6	2730.7
72.5°	1394.8	1882.5	2351.9	2399.6	2363.3
75°	1109.1	1592.2	2009.5	2061.6	2041.2
77.5°	841.4	1310.9	1694.2	1762.3	1766.8
80°	605.6	1054.6	1419.8	1526.4	1540.0
82.5°	399.2	818.8	1190.7	1326.8	1347.2
85°	231.3	610.1	1007.0	1145.4	1165.8
87.5°	99.8	440.0	809.7	934.4	959.4
90°	0.0	238.1	576.1	725.8	755.3
92.5°	6.8	197.3	494.4	630.5	655.5
95°	11.3	161.0	430.9	548.9	569.3
97.5°	13.6	136.1	374.2	478.6	499.0
100°	13.6	117.9	324.3	419.6	437.7
102.5°	13.6	104.3	283.5	367.4	383.3
105°	15.9	93.0	249.5	326.6	340.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	18.1	61.2	172.4	231.3	240.4
115°	18.1	52.2	154.2	206.4	215.5
117.5°	20.4	45.4	136.1	186.0	192.8
120°	20.4	38.6	120.2	165.6	174.6
122.5°	20.4	31.8	106.6	149.7	156.5
125°	18.1	24.9	93.0	133.8	140.6
127.5°	15.9	20.4	79.4	120.2	127.0
130°	15.9	18.1	68.0	106.6	113.4
132.5°	15.9	20.4	56.7	93.0	102.1
135°	15.9	20.4	47.6	81.6	90.7
137.5°	15.9	20.4	38.6	70.3	79.4
140°	18.1	20.4	31.8	59.0	68.0
142.5°	20.4	20.4	24.9	49.9	56.7
145°	22.7	20.4	22.7	40.8	47.6
147.5°	22.7	22.7	22.7	31.8	38.6
150°	22.7	24.9	22.7	24.9	31.8
152.5°	22.7	24.9	22.7	20.4	24.9
155°	22.7	24.9	22.7	20.4	22.7
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°	15.9	81.6	220.0	290.3	301.6
110°	15.9	72.6	195.1	258.6	269.9



(END OF REPORT)