

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: P830382

Luminaire Tested: **OHBL-36SE-A-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830382  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36SE-A-UNV-L750-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

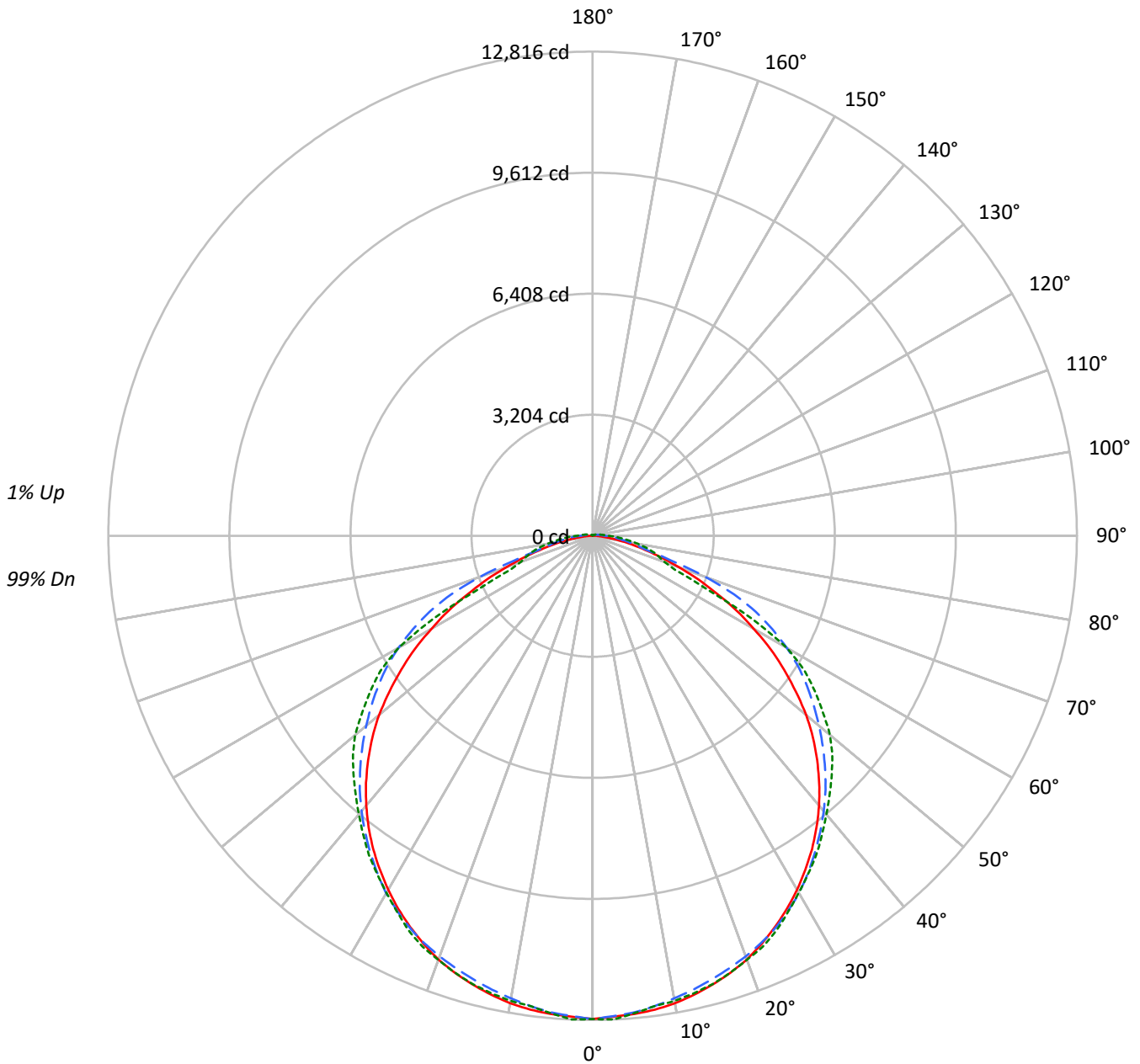
Lumens per Lamp: N/A  
Luminaire Lumens: 36150.9 lumens  
Efficiency: N/A  
Efficacy: 171.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct

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									
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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

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

	0°	45°	90°
0°	20228	20228	20228
5°	20095	19934	19975
10°	20022	19632	19754
15°	19894	19406	19621
20°	19767	19264	19448
25°	19529	19120	19276
30°	19270	18895	18911
35°	18959	18536	18710
40°	18556	18166	18436
45°	17997	17738	18315
50°	17240	17250	18170
55°	16037	16771	17492
60°	14461	16069	16171
65°	12405	14766	10248
70°	9992	11527	7430
75°	7491	6843	7541
80°	5214	5690	7200
85°	2968	5213	6748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1206.0	3.3
10°-20°	3458.2	9.6
20°-30°	5281.8	14.6
30°-40°	6408.7	17.7
40°-50°	6716.9	18.6
50°-60°	6086.5	16.8
60°-70°	4080.8	11.3
70°-80°	1832.4	5.1
80°-90°	665.0	1.8
90°-100°	200.2	0.6
100°-110°	94.4	0.3
110°-120°	47.3	0.1
120°-130°	26.1	0.1
130°-140°	17.9	0.0
140°-150°	12.1	0.0
150°-160°	9.0	0.0
160°-170°	5.8	0.0
170°-180°	1.8	0.0
0°-30°	9946.1	27.5
0°-40°	16354.7	45.2
0°-60°	29158.2	80.7
0°-90°	35736.3	98.9
90°-120°	341.9	0.9
90°-150°	398.0	1.1
90°-180°	415.0	1.1
0°-180°	36150.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12790	12790	12790	12790	12790	
5°	12707	12751	12663	12702	12685	###
15°	12295	12246	12160	12267	12282	3471
25°	11422	11372	11451	11557	11523	5265
35°	10124	10148	10251	10360	10320	6327
45°	8402	8538	8698	8920	8947	6472
55°	6182	6480	6922	7200	7183	5519
65°	3628	4196	4764	4020	3283	3615
75°	1428	2071	1524	1559	1661	1560
85°	246	472	605	730	766	300
90°	2	157	312	392	411	15
95°	2	98	214	261	268	2
105°	7	42	105	128	133	9
115°	15	22	54	68	72	14
125°	13	15	33	39	41	13
135°	17	18	20	30	31	13
145°	17	18	18	20	22	11
155°	18	20	20	20	18	9
165°	20	20	20	20	20	6
175°	20	20	18	17	17	2
180°	18	18	18	18	18	



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CATALOG NUMBER: OHBL-36SE-A-UNV-L750-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12790.3	12790.3	12790.3	12790.3	12790.3
2.5°	12738.5	12792.1	12725.5	12797.7	12816.1
5°	12707.0	12751.4	12662.6	12701.5	12684.8
7.5°	12649.7	12664.5	12559.1	12590.5	12557.2
10°	12564.6	12557.2	12433.3	12494.4	12501.8
12.5°	12438.9	12416.7	12305.7	12398.2	12400.0
15°	12294.6	12246.5	12159.6	12266.9	12281.7
17.5°	12128.2	12065.3	12008.0	12146.7	12124.5
20°	11934.0	11860.0	11848.9	12000.6	11945.1
22.5°	11693.6	11636.2	11662.1	11806.4	11771.3
25°	11421.7	11371.8	11451.3	11556.7	11523.4
27.5°	11135.1	11105.5	11196.1	11277.5	11212.7
30°	10820.7	10804.0	10924.2	10990.8	10909.4
32.5°	10478.5	10484.1	10598.7	10689.4	10613.5
35°	10123.5	10147.5	10251.1	10360.2	10319.5
37.5°	9733.2	9786.9	9890.4	10014.3	9971.8
40°	9320.8	9398.5	9513.2	9663.0	9624.1
42.5°	8875.1	8973.2	9121.1	9287.5	9283.8
45°	8401.7	8538.5	8697.6	8919.5	8947.3
47.5°	7909.8	8063.3	8264.8	8560.7	8603.3
50°	7375.3	7567.6	7819.1	8174.2	8200.1
52.5°	6779.8	7042.4	7375.3	7715.6	7684.1
55°	6182.4	6480.2	6922.2	7199.6	7183.0
57.5°	5587.0	5921.7	6458.0	6655.9	6654.0
60°	4921.2	5344.7	5930.9	6080.7	5932.8
62.5°	4305.3	4760.3	5368.7	5259.6	4752.9
65°	3628.5	4196.2	4764.0	4020.5	3282.6
67.5°	3027.4	3619.2	4046.4	2753.7	2357.9
70°	2422.7	3075.5	3155.0	2043.6	2015.8
72.5°	1886.4	2581.7	2176.7	1749.5	1838.3
75°	1427.7	2071.3	1523.9	1559.0	1660.7
77.5°	1041.2	1590.5	1185.4	1366.7	1449.9
80°	715.7	1126.3	967.2	1148.5	1205.8
82.5°	449.4	743.4	774.9	924.7	983.9
85°	246.0	471.6	604.7	730.5	765.6
87.5°	101.7	284.8	462.3	564.1	593.6
90°	1.8	157.2	312.5	392.1	410.6
92.5°	1.8	120.2	255.2	316.2	329.2
95°	1.8	98.0	214.5	260.8	268.2
97.5°	3.7	77.7	179.4	216.4	223.8
100°	5.5	64.7	149.8	181.2	186.8
102.5°	7.4	51.8	125.8	151.6	157.2
105°	7.4	42.5	105.4	127.6	133.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	12.9	25.9	62.9	79.5	83.2
115°	14.8	22.2	53.6	68.4	72.1
117.5°	14.8	18.5	46.2	57.3	61.0
120°	14.8	16.6	40.7	49.9	51.8
122.5°	14.8	14.8	35.1	44.4	46.2
125°	12.9	14.8	33.3	38.8	40.7
127.5°	14.8	14.8	29.6	35.1	37.0
130°	14.8	16.6	25.9	33.3	33.3
132.5°	16.6	18.5	24.0	31.4	31.4
135°	16.6	18.5	20.3	29.6	31.4
137.5°	18.5	18.5	18.5	27.7	29.6
140°	18.5	18.5	16.6	24.0	25.9
142.5°	16.6	18.5	16.6	22.2	24.0
145°	16.6	18.5	18.5	20.3	22.2
147.5°	18.5	18.5	18.5	18.5	20.3
150°	18.5	18.5	18.5	18.5	18.5
152.5°	18.5	18.5	18.5	18.5	18.5
155°	18.5	20.3	20.3	20.3	18.5
157.5°	18.5	20.3	20.3	20.3	20.3
160°	18.5	20.3	20.3	20.3	20.3
162.5°	20.3	20.3	20.3	20.3	20.3
165°	20.3	20.3	20.3	20.3	20.3
167.5°	20.3	22.2	20.3	20.3	20.3
170°	20.3	20.3	20.3	18.5	18.5
172.5°	20.3	20.3	20.3	18.5	18.5
175°	20.3	20.3	18.5	16.6	16.6
177.5°	22.2	20.3	18.5	16.6	14.8
180°	18.5	18.5	18.5	18.5	18.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	9.2	35.1	90.6	109.1	112.8
110°	11.1	29.6	75.8	92.5	96.2



(END OF REPORT)