

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: P829458

Luminaire Tested: **OHB-36SE-MCL-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829458
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: OHB-36SE-MCL-UNV-L750-CD
Description: 36000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

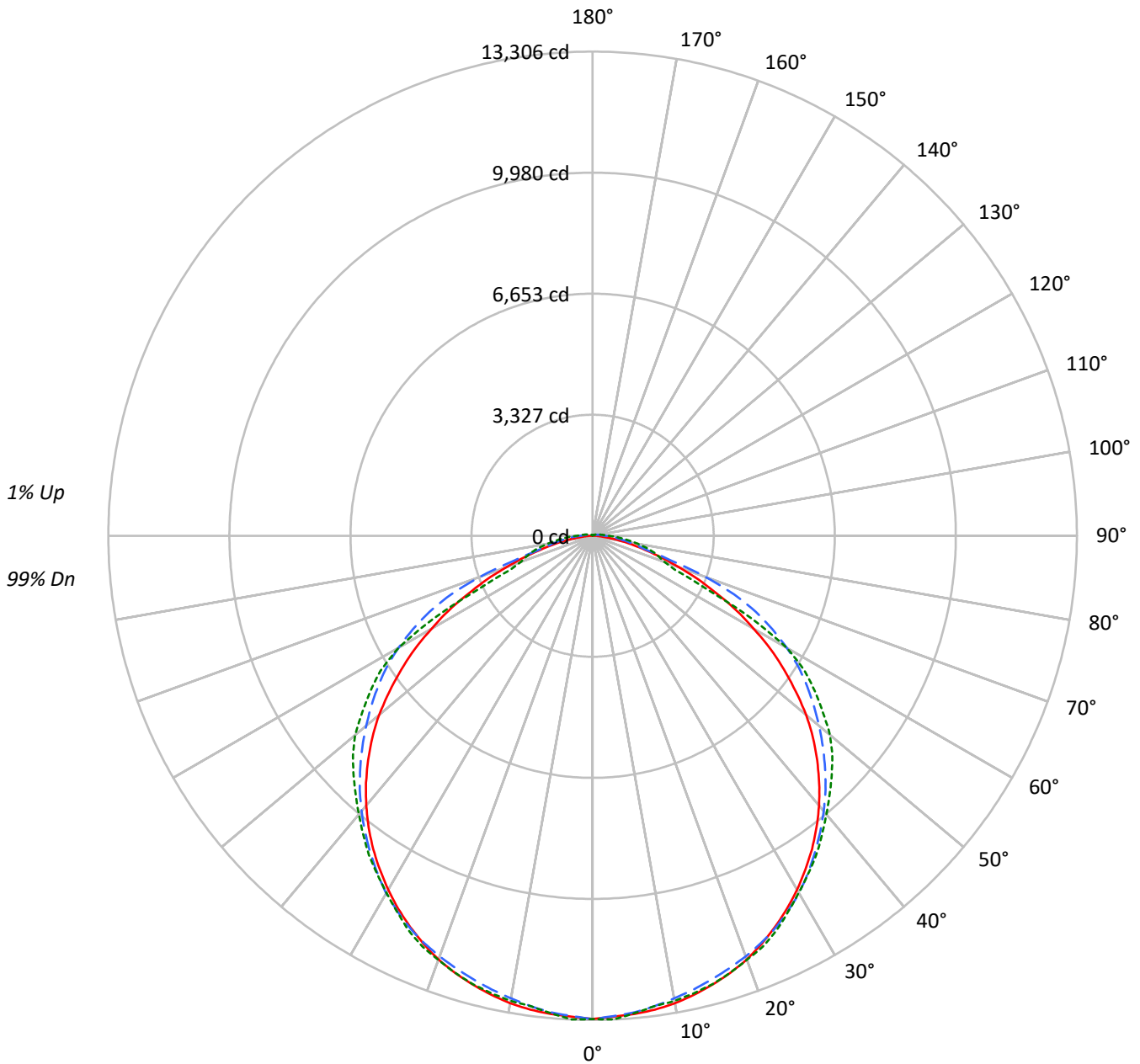
Lumens per Lamp: N/A
Luminaire Lumens: 37533.0 lumens
Efficiency: N/A
Efficacy: 166.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 226
Input Voltage (V): NR
Input Current (A_{in}): 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°	41074	41074	41074
5°	40656	40372	40562
10°	40358	39659	40112
15°	39952	39101	39843
20°	39542	38711	39490
25°	38906	38316	39141
30°	38221	37752	38400
35°	37427	36919	37992
40°	36438	36054	37436
45°	35128	35066	37190
50°	33413	33948	36895
55°	30819	32827	35518
60°	27500	31248	32837
65°	23269	28477	20810
70°	18391	21985	15088
75°	13402	12845	15313
80°	8889	10417	14620
85°	4565	9112	13704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1252.1	3.3
10°-20°	3590.4	9.6
20°-30°	5483.7	14.6
30°-40°	6653.7	17.7
40°-50°	6973.7	18.6
50°-60°	6319.2	16.8
60°-70°	4236.8	11.3
70°-80°	1902.5	5.1
80°-90°	690.4	1.8
90°-100°	207.8	0.6
100°-110°	98.1	0.3
110°-120°	49.1	0.1
120°-130°	27.1	0.1
130°-140°	18.6	0.0
140°-150°	12.5	0.0
150°-160°	9.3	0.0
160°-170°	6.0	0.0
170°-180°	1.9	0.0
0°-30°	10326.3	27.5
0°-40°	16980.0	45.2
0°-60°	30272.8	80.7
0°-90°	37102.5	98.9
90°-120°	355.0	0.9
90°-150°	413.3	1.1
90°-180°	430.0	1.1
0°-180°	37533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13279	13279	13279	13279	13279	
5°	13193	13239	13147	13187	13170	###
15°	12765	12715	12624	12736	12751	3604
25°	11858	11806	11889	11998	11964	5466
35°	10510	10535	10643	10756	10714	6569
45°	8723	8865	9030	9260	9289	6720
55°	6419	6728	7187	7475	7458	5730
65°	3767	4357	4946	4174	3408	3754
75°	1482	2150	1582	1619	1724	1620
85°	255	490	628	758	795	312
90°	2	163	324	407	426	15
95°	2	102	223	271	278	3
105°	8	44	109	132	138	9
115°	15	23	56	71	75	14
125°	13	15	35	40	42	13
135°	17	19	21	31	33	14
145°	17	19	19	21	23	11
155°	19	21	21	21	19	9
165°	21	21	21	21	21	6
175°	21	21	19	17	17	2
180°	19	19	19	19	19	



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CATALOG NUMBER: OHB-36SE-MCL-UNV-L750-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13279.2	13279.2	13279.2	13279.2	13279.2
2.5°	13225.4	13281.1	13212.0	13286.9	13306.1
5°	13192.8	13238.9	13146.7	13187.0	13169.8
7.5°	13133.3	13148.6	13039.2	13071.8	13037.3
10°	13045.0	13037.3	12908.6	12972.0	12979.7
12.5°	12914.4	12891.4	12776.1	12872.2	12874.1
15°	12764.6	12714.7	12624.5	12735.8	12751.2
17.5°	12591.8	12526.5	12467.0	12611.0	12588.0
20°	12390.2	12313.4	12301.9	12459.3	12401.7
22.5°	12140.6	12081.1	12108.0	12257.7	12221.2
25°	11858.4	11806.5	11889.1	11998.5	11964.0
27.5°	11560.7	11530.0	11624.1	11708.6	11641.4
30°	11234.3	11217.1	11341.9	11411.0	11326.5
32.5°	10879.1	10884.9	11003.9	11098.0	11019.3
35°	10510.5	10535.4	10643.0	10756.2	10714.0
37.5°	10105.3	10161.0	10268.5	10397.2	10353.0
40°	9677.2	9757.8	9876.8	10032.4	9992.0
42.5°	9214.4	9316.2	9469.8	9642.6	9638.8
45°	8722.9	8865.0	9030.1	9260.5	9289.3
47.5°	8212.1	8371.5	8580.8	8888.0	8932.2
50°	7657.2	7856.9	8118.1	8486.7	8513.6
52.5°	7039.0	7311.6	7657.2	8010.5	7977.9
55°	6418.8	6727.9	7186.8	7474.8	7457.6
57.5°	5800.5	6148.1	6704.9	6910.3	6908.4
60°	5109.3	5549.0	6157.7	6313.2	6159.6
62.5°	4469.9	4942.3	5574.0	5460.7	4934.6
65°	3767.2	4356.6	4946.1	4174.2	3408.1
67.5°	3143.2	3757.6	4201.1	2859.0	2448.1
70°	2515.3	3193.1	3275.6	2121.7	2092.9
72.5°	1958.5	2680.4	2259.9	1816.4	1908.6
75°	1482.3	2150.5	1582.1	1618.6	1724.2
77.5°	1081.0	1651.3	1230.8	1418.9	1505.3
80°	743.1	1169.3	1004.2	1192.4	1251.9
82.5°	466.6	771.9	804.5	960.0	1021.5
85°	255.4	489.6	627.9	758.4	794.9
87.5°	105.6	295.7	480.0	585.6	616.3
90°	1.9	163.2	324.5	407.1	426.3
92.5°	1.9	124.8	265.0	328.3	341.8
95°	1.9	101.8	222.7	270.7	278.4
97.5°	3.8	80.6	186.2	224.6	232.3
100°	5.8	67.2	155.5	188.2	193.9
102.5°	7.7	53.8	130.6	157.4	163.2
105°	7.7	44.2	109.4	132.5	138.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.4	26.9	65.3	82.6	86.4
115°	15.4	23.0	55.7	71.0	74.9
117.5°	15.4	19.2	48.0	59.5	63.4
120°	15.4	17.3	42.2	51.8	53.8
122.5°	15.4	15.4	36.5	46.1	48.0
125°	13.4	15.4	34.6	40.3	42.2
127.5°	15.4	15.4	30.7	36.5	38.4
130°	15.4	17.3	26.9	34.6	34.6
132.5°	17.3	19.2	25.0	32.6	32.6
135°	17.3	19.2	21.1	30.7	32.6
137.5°	19.2	19.2	19.2	28.8	30.7
140°	19.2	19.2	17.3	25.0	26.9
142.5°	17.3	19.2	17.3	23.0	25.0
145°	17.3	19.2	19.2	21.1	23.0
147.5°	19.2	19.2	19.2	19.2	21.1
150°	19.2	19.2	19.2	19.2	19.2
152.5°	19.2	19.2	19.2	19.2	19.2
155°	19.2	21.1	21.1	21.1	19.2
157.5°	19.2	21.1	21.1	21.1	21.1
160°	19.2	21.1	21.1	21.1	21.1
162.5°	21.1	21.1	21.1	21.1	21.1
165°	21.1	21.1	21.1	21.1	21.1
167.5°	21.1	23.0	21.1	21.1	21.1
170°	21.1	21.1	21.1	19.2	19.2
172.5°	21.1	21.1	21.1	19.2	19.2
175°	21.1	21.1	19.2	17.3	17.3
177.5°	23.0	21.1	19.2	17.3	15.4
180°	19.2	19.2	19.2	19.2	19.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	9.6	36.5	94.1	113.3	117.1
110°	11.5	30.7	78.7	96.0	99.8



(END OF REPORT)