

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: P830391

Luminaire Tested: **OHBL-36SE-MCL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830391
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-MCL-UNV-L730-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

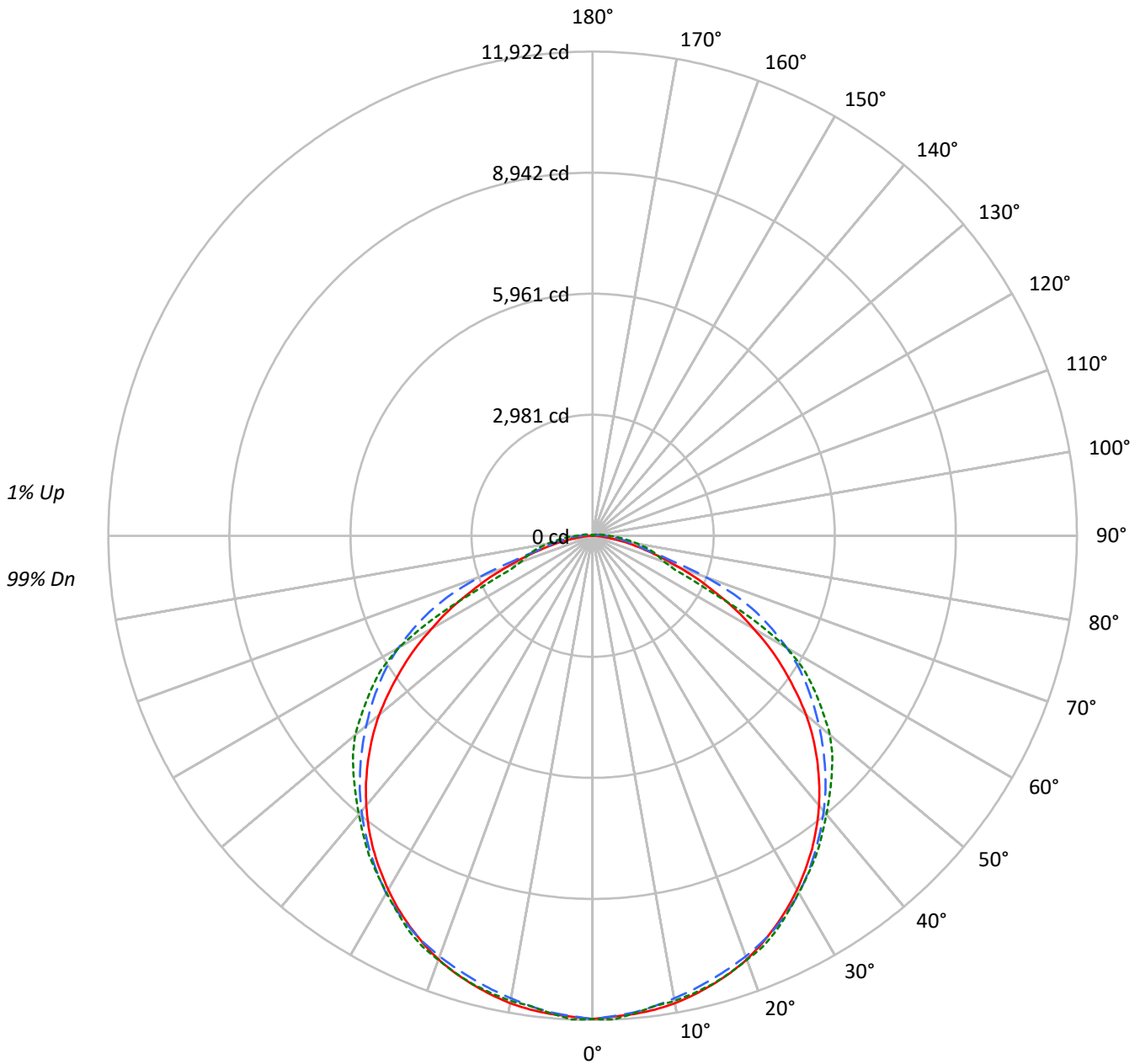
Lumens per Lamp: N/A
Luminaire Lumens: 33629.0 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 211
Input Voltage (V): NR
Input Current (A_{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°	18816	18816	18816
5°	18693	18543	18582
10°	18625	18262	18376
15°	18507	18052	18253
20°	18388	17920	18091
25°	18167	17786	17931
30°	17925	17576	17592
35°	17637	17243	17405
40°	17262	16899	17150
45°	16742	16500	17037
50°	16037	16047	16902
55°	14918	15601	16271
60°	13452	14948	15043
65°	11540	13736	9533
70°	9295	10723	6912
75°	6969	6366	7015
80°	4851	5293	6698
85°	2761	4850	6278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1121.9	3.3
10°-20°	3217.0	9.6
20°-30°	4913.4	14.6
30°-40°	5961.6	17.7
40°-50°	6248.3	18.6
50°-60°	5661.9	16.8
60°-70°	3796.1	11.3
70°-80°	1704.6	5.1
80°-90°	618.6	1.8
90°-100°	186.2	0.6
100°-110°	87.9	0.3
110°-120°	44.0	0.1
120°-130°	24.3	0.1
130°-140°	16.7	0.0
140°-150°	11.2	0.0
150°-160°	8.3	0.0
160°-170°	5.4	0.0
170°-180°	1.7	0.0
0°-30°	9252.2	27.5
0°-40°	15213.8	45.2
0°-60°	27124.0	80.7
0°-90°	33243.3	98.9
90°-120°	318.1	0.9
90°-150°	370.3	1.1
90°-180°	386.0	1.1
0°-180°	33629.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11898	11898	11898	11898	11898	
5°	11821	11862	11779	11815	11800	###
15°	11437	11392	11311	11411	11425	3229
25°	10625	10578	10652	10750	10720	4897
35°	9417	9440	9536	9637	9600	5886
45°	7816	7943	8091	8297	8323	6021
55°	5751	6028	6439	6697	6682	5134
65°	3375	3904	4432	3740	3054	3363
75°	1328	1927	1418	1450	1545	1451
85°	229	439	563	680	712	279
90°	2	146	291	365	382	14
95°	2	91	200	243	250	2
105°	7	40	98	119	124	8
115°	14	21	50	64	67	13
125°	12	14	31	36	38	12
135°	16	17	19	28	29	12
145°	16	17	17	19	21	10
155°	17	19	19	19	17	8
165°	19	19	19	19	19	5
175°	19	19	17	16	16	2
180°	17	17	17	17	17	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11898.0	11898.0	11898.0	11898.0	<i>11898.0</i>
2.5°	<i>11849.8</i>	<i>11899.7</i>	<i>11837.8</i>	<i>11904.8</i>	<i>11922.1</i>
5°	11820.6	11861.8	11779.3	11815.4	<i>11799.9</i>
7.5°	11767.2	11781.0	11682.9	11712.2	<i>11681.2</i>
10°	11688.1	11681.2	11565.9	11622.7	<i>11629.6</i>
12.5°	11571.1	11550.5	11447.2	11533.3	<i>11535.0</i>
15°	11436.9	11392.2	11311.3	11411.1	<i>11424.9</i>
17.5°	11282.1	11223.6	11170.3	11299.3	<i>11278.6</i>
20°	11101.4	11032.6	11022.3	11163.4	<i>11111.8</i>
22.5°	10877.8	10824.5	10848.6	10982.7	<i>10950.1</i>
25°	10624.9	10578.5	10652.4	10750.5	<i>10719.5</i>
27.5°	10358.3	10330.7	10415.0	10490.7	<i>10430.5</i>
30°	10065.8	10050.3	10162.1	10224.1	<i>10148.4</i>
32.5°	9747.5	9752.7	9859.3	9943.6	<i>9873.1</i>
35°	9417.2	9439.6	9535.9	9637.4	<i>9599.6</i>
37.5°	9054.2	9104.1	9200.5	9315.7	<i>9276.1</i>
40°	8670.6	8742.8	8849.5	8988.8	<i>8952.7</i>
42.5°	8256.0	8347.2	8484.8	8639.6	<i>8636.2</i>
45°	7815.6	7942.9	8090.8	8297.3	<i>8323.1</i>
47.5°	7358.0	7500.7	7688.3	7963.5	<i>8003.1</i>
50°	6860.8	7039.7	7273.7	7604.0	<i>7628.0</i>
52.5°	6306.8	6551.1	6860.8	7177.3	<i>7148.1</i>
55°	5751.1	6028.1	6439.3	6697.3	<i>6681.9</i>
57.5°	5197.2	5508.6	6007.5	6191.6	<i>6189.8</i>
60°	4577.9	4971.8	5517.2	5656.5	<i>5518.9</i>
62.5°	4005.0	4428.2	4994.2	4892.7	<i>4421.3</i>
65°	3375.3	3903.5	4431.6	3740.0	<i>3053.6</i>
67.5°	2816.2	3366.7	3764.1	2561.6	<i>2193.5</i>
70°	2253.7	2860.9	2934.9	1901.0	<i>1875.2</i>
72.5°	1754.8	2401.6	2024.9	1627.5	<i>1710.0</i>
75°	1328.1	1926.8	1417.6	1450.3	<i>1544.9</i>
77.5°	968.6	1479.5	1102.7	1271.3	<i>1348.8</i>
80°	665.8	1047.7	899.7	1068.3	<i>1121.7</i>
82.5°	418.0	691.6	720.8	860.2	<i>915.2</i>
85°	228.8	438.7	562.6	679.5	<i>712.2</i>
87.5°	94.6	264.9	430.1	524.7	<i>552.2</i>
90°	1.7	146.2	290.7	364.7	<i>381.9</i>
92.5°	1.7	111.8	237.4	294.2	<i>306.2</i>
95°	1.7	91.2	199.6	242.6	<i>249.5</i>
97.5°	3.4	72.3	166.9	201.3	<i>208.2</i>
100°	5.2	60.2	139.3	168.6	<i>173.8</i>
102.5°	6.9	48.2	117.0	141.1	<i>146.2</i>
105°	6.9	39.6	98.1	118.7	<i>123.9</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.0	24.1	58.5	74.0	77.4
115°	13.8	20.6	49.9	63.7	67.1
117.5°	13.8	17.2	43.0	53.3	56.8
120°	13.8	15.5	37.8	46.4	48.2
122.5°	13.8	13.8	32.7	41.3	43.0
125°	12.0	13.8	31.0	36.1	37.8
127.5°	13.8	13.8	27.5	32.7	34.4
130°	13.8	15.5	24.1	31.0	31.0
132.5°	15.5	17.2	22.4	29.2	29.2
135°	15.5	17.2	18.9	27.5	29.2
137.5°	17.2	17.2	17.2	25.8	27.5
140°	17.2	17.2	15.5	22.4	24.1
142.5°	15.5	17.2	15.5	20.6	22.4
145°	15.5	17.2	17.2	18.9	20.6
147.5°	17.2	17.2	17.2	17.2	18.9
150°	17.2	17.2	17.2	17.2	17.2
152.5°	17.2	17.2	17.2	17.2	17.2
155°	17.2	18.9	18.9	18.9	17.2
157.5°	17.2	18.9	18.9	18.9	18.9
160°	17.2	18.9	18.9	18.9	18.9
162.5°	18.9	18.9	18.9	18.9	18.9
165°	18.9	18.9	18.9	18.9	18.9
167.5°	18.9	20.6	18.9	18.9	18.9
170°	18.9	18.9	18.9	17.2	17.2
172.5°	18.9	18.9	18.9	17.2	17.2
175°	18.9	18.9	17.2	15.5	15.5
177.5°	20.6	18.9	17.2	15.5	13.8
180°	17.2	17.2	17.2	17.2	17.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.6	32.7	84.3	101.5	104.9
110°	10.3	27.5	70.5	86.0	89.5



(END OF REPORT)