

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: P830321

Luminaire Tested: **OHBL-36HE-MCL-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830321
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-36HE-MCL-UNV-L740-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

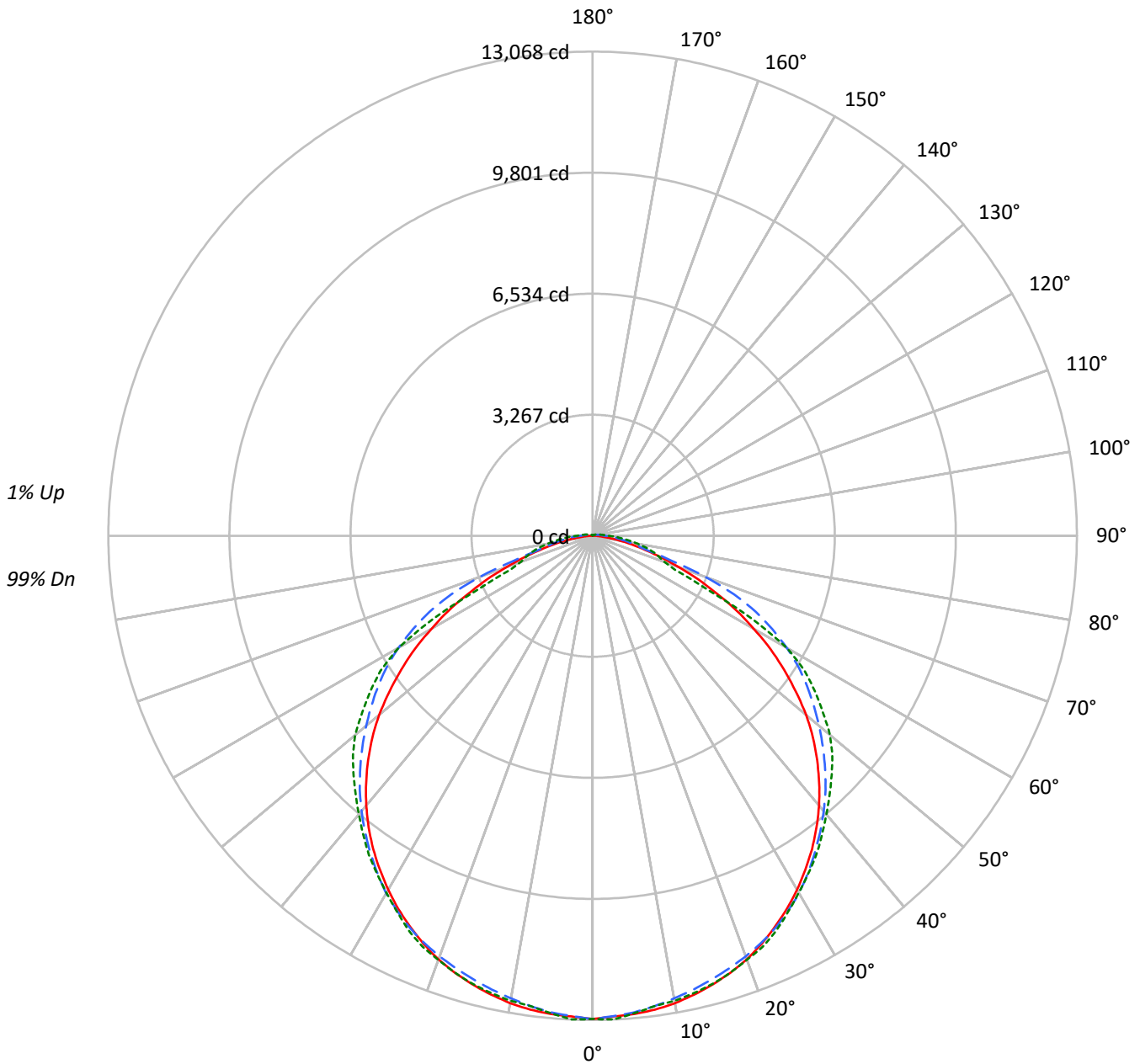
Lumens per Lamp: N/A
Luminaire Lumens: 36860.0 lumens
Efficiency: N/A
Efficacy: 173.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
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°	20624	20624	20624
5°	20489	20325	20367
10°	20414	20017	20141
15°	20285	19786	20006
20°	20155	19641	19829
25°	19912	19495	19654
30°	19647	19265	19282
35°	19331	18900	19077
40°	18920	18522	18798
45°	18350	18086	18674
50°	17578	17589	18526
55°	16351	17100	17834
60°	14745	16384	16488
65°	12648	15056	10449
70°	10188	11753	7576
75°	7638	6977	7689
80°	5316	5801	7341
85°	3026	5316	6882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1229.7	3.3
10°-20°	3526.1	9.6
20°-30°	5385.4	14.6
30°-40°	6534.4	17.7
40°-50°	6848.6	18.6
50°-60°	6205.9	16.8
60°-70°	4160.8	11.3
70°-80°	1868.4	5.1
80°-90°	678.0	1.8
90°-100°	204.1	0.6
100°-110°	96.3	0.3
110°-120°	48.3	0.1
120°-130°	26.6	0.1
130°-140°	18.3	0.0
140°-150°	12.3	0.0
150°-160°	9.1	0.0
160°-170°	5.9	0.0
170°-180°	1.9	0.0
0°-30°	10141.1	27.5
0°-40°	16675.5	45.2
0°-60°	29730.0	80.7
0°-90°	36437.2	98.9
90°-120°	348.6	0.9
90°-150°	405.9	1.1
90°-180°	423.0	1.1
0°-180°	36860.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13041	13041	13041	13041	13041	
5°	12956	13002	12911	12951	12934	###
15°	12536	12487	12398	12508	12522	3539
25°	11646	11595	11676	11783	11749	5368
35°	10322	10346	10452	10563	10522	6452
45°	8566	8706	8868	9094	9123	6599
55°	6304	6607	7058	7341	7324	5627
65°	3700	4278	4857	4099	3347	3686
75°	1456	2112	1554	1590	1693	1591
85°	251	481	617	745	781	306
90°	2	160	319	400	419	15
95°	2	100	219	266	273	3
105°	8	43	108	130	136	9
115°	15	23	55	70	74	14
125°	13	15	34	40	42	13
135°	17	19	21	30	32	13
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	



TEST NUMBER: P830321

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13041.1	13041.1	13041.1	13041.1	13041.1
2.5°	12988.3	13043.0	12975.1	13048.6	13067.5
5°	12956.2	13001.5	12911.0	12950.6	12933.6
7.5°	12897.8	12912.9	12805.4	12837.4	12803.5
10°	12811.1	12803.5	12677.2	12739.4	12746.9
12.5°	12682.8	12660.2	12547.1	12641.3	12643.2
15°	12535.7	12486.7	12398.1	12507.5	12522.5
17.5°	12366.0	12301.9	12243.5	12384.9	12362.3
20°	12168.0	12092.6	12081.3	12235.9	12179.4
22.5°	11922.9	11864.5	11890.9	12037.9	12002.1
25°	11645.7	11594.8	11675.9	11783.4	11749.4
27.5°	11353.4	11323.3	11415.7	11498.6	11432.6
30°	11032.9	11015.9	11138.5	11206.4	11123.4
32.5°	10684.0	10689.7	10806.6	10899.0	10821.7
35°	10322.0	10346.5	10452.1	10563.4	10521.9
37.5°	9924.1	9978.8	10084.4	10210.8	10167.4
40°	9503.6	9582.8	9699.7	9852.5	9812.9
42.5°	9049.2	9149.1	9300.0	9469.7	9465.9
45°	8566.5	8706.0	8868.2	9094.5	9122.7
47.5°	8064.9	8221.4	8426.9	8728.6	8772.0
50°	7519.9	7716.0	7972.5	8334.5	8360.9
52.5°	6912.8	7180.5	7519.9	7866.9	7834.8
55°	6303.7	6607.3	7058.0	7340.8	7323.8
57.5°	5696.5	6037.8	6584.7	6786.4	6784.5
60°	5017.7	5449.5	6047.3	6200.0	6049.1
62.5°	4389.8	4853.6	5474.0	5362.8	4846.1
65°	3699.6	4278.5	4857.4	4099.4	3347.0
67.5°	3086.8	3690.2	4125.8	2807.7	2404.2
70°	2470.2	3135.8	3216.9	2083.6	2055.3
72.5°	1923.4	2632.4	2219.4	1783.8	1874.3
75°	1455.7	2111.9	1553.8	1589.6	1693.3
77.5°	1061.6	1621.7	1208.7	1393.5	1478.3
80°	729.7	1148.4	986.2	1171.0	1229.4
82.5°	458.2	758.0	790.1	942.8	1003.2
85°	250.8	480.8	616.6	744.8	780.7
87.5°	103.7	290.4	471.4	575.1	605.3
90°	1.9	160.3	318.7	399.8	418.6
92.5°	1.9	122.6	260.2	322.4	335.6
95°	1.9	99.9	218.7	265.9	273.4
97.5°	3.8	79.2	182.9	220.6	228.2
100°	5.7	66.0	152.7	184.8	190.4
102.5°	7.5	52.8	128.2	154.6	160.3
105°	7.5	43.4	107.5	130.1	135.8



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CATALOG NUMBER: OHBL-36HE-MCL-UNV-L740-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.2	26.4	64.1	81.1	84.9
115°	15.1	22.6	54.7	69.8	73.5
117.5°	15.1	18.9	47.1	58.5	62.2
120°	15.1	17.0	41.5	50.9	52.8
122.5°	15.1	15.1	35.8	45.3	47.1
125°	13.2	15.1	33.9	39.6	41.5
127.5°	15.1	15.1	30.2	35.8	37.7
130°	15.1	17.0	26.4	33.9	33.9
132.5°	17.0	18.9	24.5	32.1	32.1
135°	17.0	18.9	20.7	30.2	32.1
137.5°	18.9	18.9	18.9	28.3	30.2
140°	18.9	18.9	17.0	24.5	26.4
142.5°	17.0	18.9	17.0	22.6	24.5
145°	17.0	18.9	18.9	20.7	22.6
147.5°	18.9	18.9	18.9	18.9	20.7
150°	18.9	18.9	18.9	18.9	18.9
152.5°	18.9	18.9	18.9	18.9	18.9
155°	18.9	20.7	20.7	20.7	18.9
157.5°	18.9	20.7	20.7	20.7	20.7
160°	18.9	20.7	20.7	20.7	20.7
162.5°	20.7	20.7	20.7	20.7	20.7
165°	20.7	20.7	20.7	20.7	20.7
167.5°	20.7	22.6	20.7	20.7	20.7
170°	20.7	20.7	20.7	18.9	18.9
172.5°	20.7	20.7	20.7	18.9	18.9
175°	20.7	20.7	18.9	17.0	17.0
177.5°	22.6	20.7	18.9	17.0	15.1
180°	18.9	18.9	18.9	18.9	18.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	9.4	35.8	92.4	111.3	115.0
110°	11.3	30.2	77.3	94.3	98.1



(END OF REPORT)