

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: P830329

Luminaire Tested: **OHBL-36HE-MCL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830329
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-L940-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

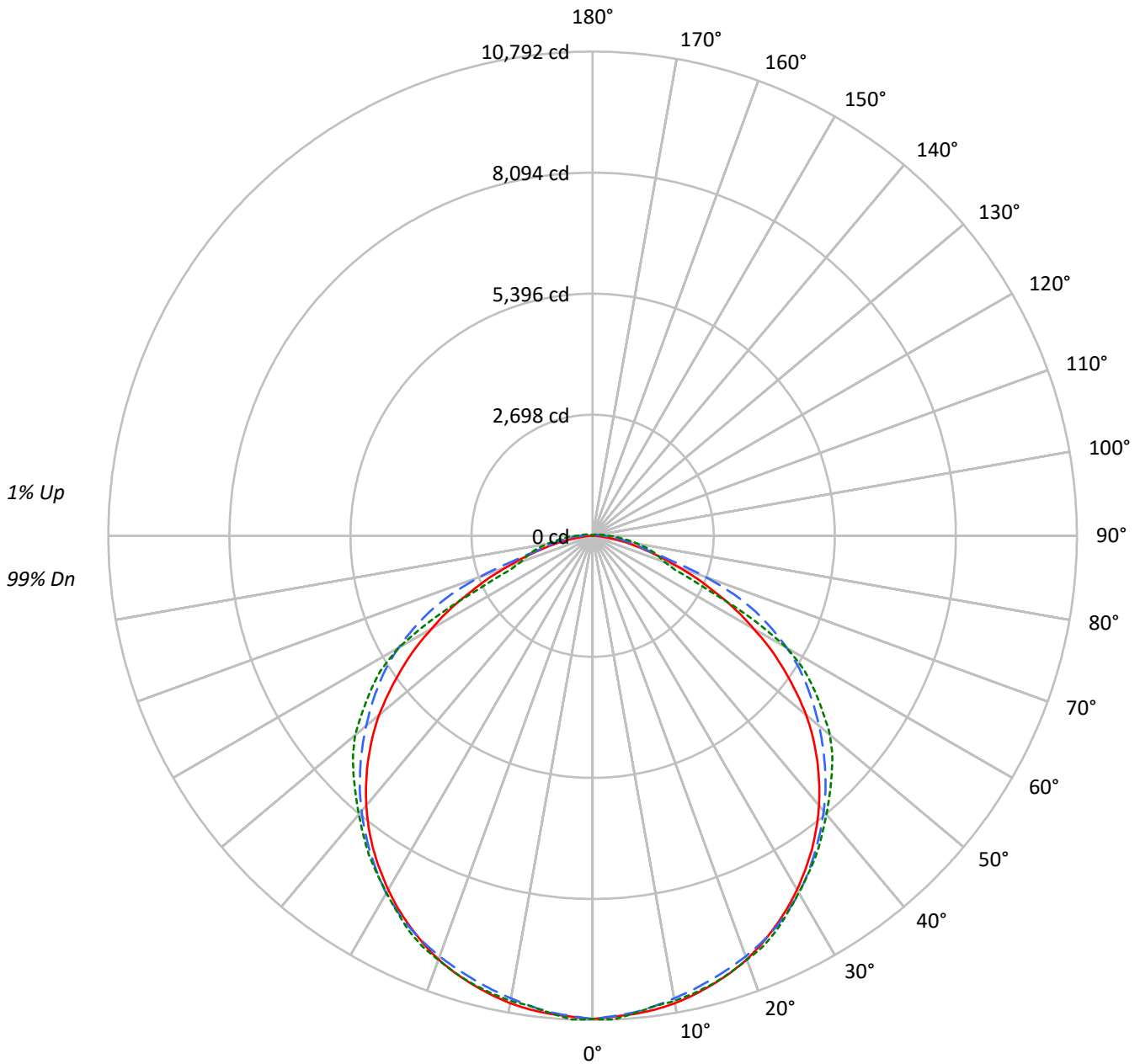
Lumens per Lamp: N/A
Luminaire Lumens: 30441.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	17033	17033	17033
5°	16921	16785	16820
10°	16859	16531	16634
15°	16752	16341	16522
20°	16645	16221	16376
25°	16444	16100	16231
30°	16226	15910	15924
35°	15965	15609	15755
40°	15625	15297	15524
45°	15155	14936	15422
50°	14517	14526	15300
55°	13504	14122	14729
60°	12177	13531	13617
65°	10446	12434	8630
70°	8414	9707	6257
75°	6308	5762	6350
80°	4391	4791	6063
85°	2499	4390	5683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1015.5	3.3
10°-20°	2912.0	9.6
20°-30°	4447.6	14.6
30°-40°	5396.4	17.7
40°-50°	5656.0	18.6
50°-60°	5125.2	16.8
60°-70°	3436.2	11.3
70°-80°	1543.0	5.1
80°-90°	559.9	1.8
90°-100°	168.5	0.6
100°-110°	79.5	0.3
110°-120°	39.9	0.1
120°-130°	22.0	0.1
130°-140°	15.1	0.0
140°-150°	10.2	0.0
150°-160°	7.6	0.0
160°-170°	4.8	0.0
170°-180°	1.5	0.0
0°-30°	8375.1	27.5
0°-40°	13771.5	45.2
0°-60°	24552.7	80.7
0°-90°	30091.8	98.9
90°-120°	287.9	0.9
90°-150°	335.2	1.1
90°-180°	349.0	1.1
0°-180°	30441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10770	10770	10770	10770	10770	
5°	10700	10737	10663	10695	10681	###
15°	10353	10312	10239	10329	10342	2923
25°	9618	9576	9643	9731	9703	4433
35°	8524	8545	8632	8724	8690	5328
45°	7075	7190	7324	7511	7534	5450
55°	5206	5457	5829	6062	6048	4647
65°	3055	3533	4012	3386	2764	3044
75°	1202	1744	1283	1313	1398	1314
85°	207	397	509	615	645	253
90°	2	132	263	330	346	12
95°	2	82	181	220	226	2
105°	6	36	89	108	112	7
115°	12	19	45	58	61	12
125°	11	12	28	33	34	11
135°	14	16	17	25	26	11
145°	14	16	16	17	19	9
155°	16	17	17	17	16	7
165°	17	17	17	17	17	5
175°	17	17	16	14	14	2
180°	16	16	16	16	16	



TEST NUMBER: P830329

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10770.1	10770.1	10770.1	10770.1	10770.1
2.5°	10726.4	10771.6	10715.5	10776.3	10791.9
5°	10700.0	10737.3	10662.6	10695.3	10681.3
7.5°	10651.7	10664.2	10575.4	10601.9	10573.8
10°	10580.1	10573.8	10469.5	10520.9	10527.1
12.5°	10474.2	10455.5	10362.0	10439.9	10441.5
15°	10352.7	10312.2	10239.0	10329.3	10341.8
17.5°	10212.6	10159.6	10111.3	10228.1	10209.4
20°	10049.0	9986.7	9977.4	10105.1	10058.4
22.5°	9846.6	9798.3	9820.1	9941.6	9912.0
25°	9617.7	9575.6	9642.6	9731.4	9703.3
27.5°	9376.3	9351.4	9427.7	9496.2	9441.7
30°	9111.6	9097.5	9198.8	9254.8	9186.3
32.5°	8823.5	8828.1	8924.7	9001.0	8937.1
35°	8524.5	8544.7	8631.9	8723.8	8689.5
37.5°	8195.9	8241.1	8328.3	8432.6	8396.8
40°	7848.6	7914.0	8010.6	8136.7	8104.0
42.5°	7473.3	7555.9	7680.4	7820.6	7817.5
45°	7074.7	7189.9	7323.8	7510.7	7534.1
47.5°	6660.4	6789.7	6959.4	7208.6	7244.4
50°	6210.4	6372.3	6584.1	6883.1	6904.9
52.5°	5708.9	5930.1	6210.4	6496.9	6470.4
55°	5205.9	5456.7	5828.8	6062.4	6048.4
57.5°	4704.5	4986.4	5438.0	5604.6	5603.0
60°	4143.9	4500.5	4994.2	5120.3	4995.7
62.5°	3625.3	4008.4	4520.7	4428.9	4002.2
65°	3055.4	3533.4	4011.5	3385.5	2764.1
67.5°	2549.2	3047.6	3407.3	2318.8	1985.5
70°	2040.0	2589.7	2656.7	1720.8	1697.4
72.5°	1588.4	2173.9	1832.9	1473.2	1547.9
75°	1202.2	1744.1	1283.2	1312.8	1398.4
77.5°	876.7	1339.2	998.2	1150.8	1220.9
80°	602.7	948.4	814.5	967.1	1015.3
82.5°	378.4	626.0	652.5	778.6	828.5
85°	207.1	397.1	509.2	615.1	644.7
87.5°	85.6	239.8	389.3	475.0	499.9
90°	1.6	132.4	263.2	330.1	345.7
92.5°	1.6	101.2	214.9	266.3	277.2
95°	1.6	82.5	180.6	219.6	225.8
97.5°	3.1	65.4	151.1	182.2	188.4
100°	4.7	54.5	126.1	152.6	157.3
102.5°	6.2	43.6	105.9	127.7	132.4
105°	6.2	35.8	88.8	107.5	112.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.9	21.8	52.9	67.0	70.1
115°	12.5	18.7	45.2	57.6	60.7
117.5°	12.5	15.6	38.9	48.3	51.4
120°	12.5	14.0	34.3	42.0	43.6
122.5°	12.5	12.5	29.6	37.4	38.9
125°	10.9	12.5	28.0	32.7	34.3
127.5°	12.5	12.5	24.9	29.6	31.1
130°	12.5	14.0	21.8	28.0	28.0
132.5°	14.0	15.6	20.2	26.5	26.5
135°	14.0	15.6	17.1	24.9	26.5
137.5°	15.6	15.6	15.6	23.4	24.9
140°	15.6	15.6	14.0	20.2	21.8
142.5°	14.0	15.6	14.0	18.7	20.2
145°	14.0	15.6	15.6	17.1	18.7
147.5°	15.6	15.6	15.6	15.6	17.1
150°	15.6	15.6	15.6	15.6	15.6
152.5°	15.6	15.6	15.6	15.6	15.6
155°	15.6	17.1	17.1	17.1	15.6
157.5°	15.6	17.1	17.1	17.1	17.1
160°	15.6	17.1	17.1	17.1	17.1
162.5°	17.1	17.1	17.1	17.1	17.1
165°	17.1	17.1	17.1	17.1	17.1
167.5°	17.1	18.7	17.1	17.1	17.1
170°	17.1	17.1	17.1	15.6	15.6
172.5°	17.1	17.1	17.1	15.6	15.6
175°	17.1	17.1	15.6	14.0	14.0
177.5°	18.7	17.1	15.6	14.0	12.5
180°	15.6	15.6	15.6	15.6	15.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.8	29.6	76.3	91.9	95.0
110°	9.3	24.9	63.8	77.9	81.0



(END OF REPORT)