

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: P830319

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830319
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-L730-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

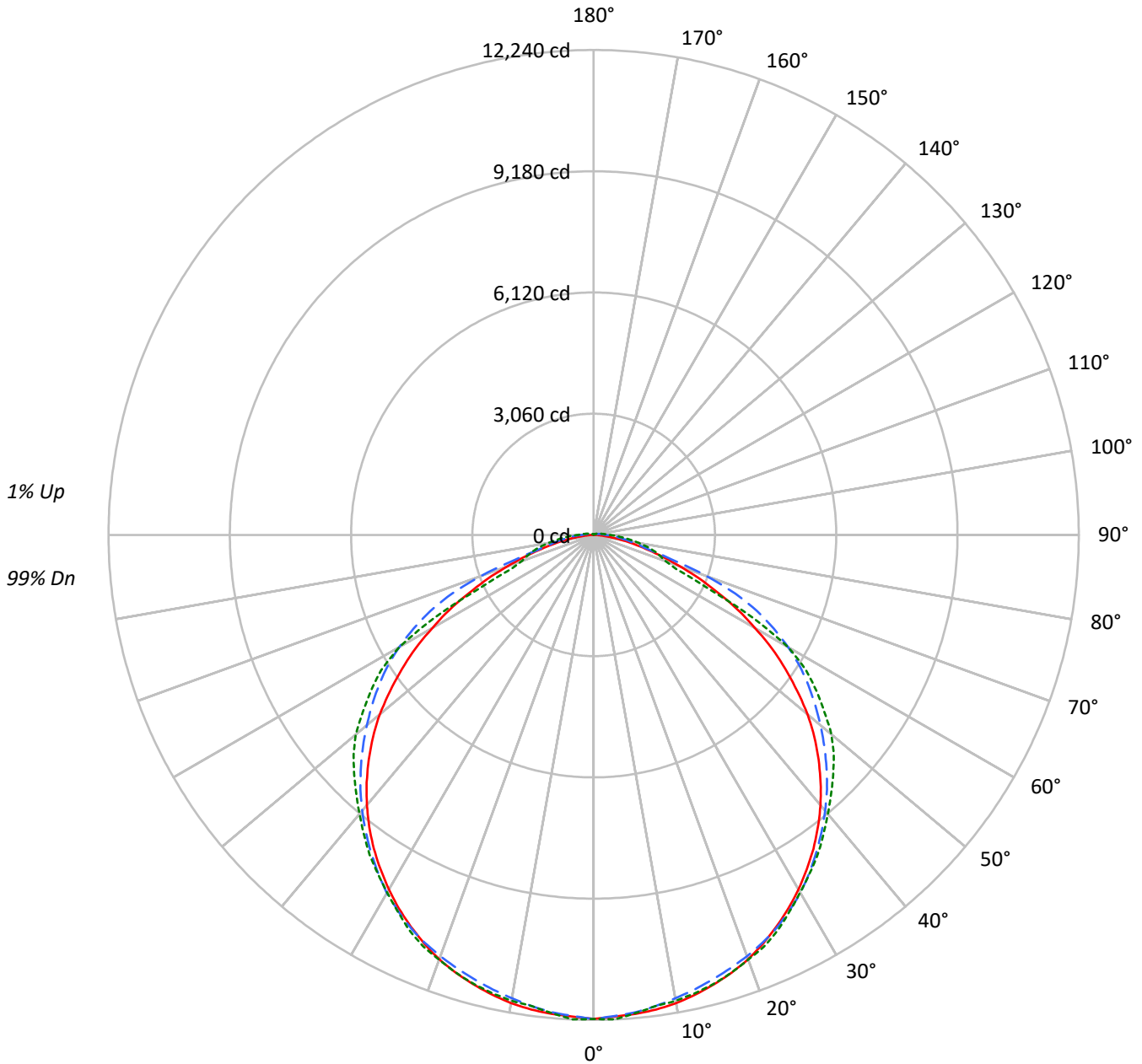
Lumens per Lamp: N/A
Luminaire Lumens: 34526.0 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P830319

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L730-CD

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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				99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83				83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70				70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59				59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51				51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44				44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38				38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34				34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30				30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19318	19318	19318
5°	19192	19038	19078
10°	19122	18749	18866
15°	19000	18534	18739
20°	18879	18398	18574
25°	18651	18261	18409
30°	18403	18045	18061
35°	18107	17703	17869
40°	17722	17350	17607
45°	17188	16941	17492
50°	16465	16475	17353
55°	15316	16017	16705
60°	13811	15347	15444
65°	11848	14102	9788
70°	9543	11009	7096
75°	7154	6535	7202
80°	4980	5434	6876
85°	2834	4979	6445



TEST NUMBER: P830319

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1151.8	3.3
10°-20°	3302.8	9.6
20°-30°	5044.4	14.6
30°-40°	6120.6	17.7
40°-50°	6415.0	18.6
50°-60°	5812.9	16.8
60°-70°	3897.3	11.3
70°-80°	1750.1	5.1
80°-90°	635.1	1.8
90°-100°	191.2	0.6
100°-110°	90.2	0.3
110°-120°	45.2	0.1
120°-130°	24.9	0.1
130°-140°	17.2	0.0
140°-150°	11.5	0.0
150°-160°	8.6	0.0
160°-170°	5.5	0.0
170°-180°	1.7	0.0
0°-30°	9499.0	27.5
0°-40°	15619.6	45.2
0°-60°	27847.5	80.7
0°-90°	34130.0	98.9
90°-120°	326.6	0.9
90°-150°	380.2	1.1
90°-180°	396.0	1.1
0°-180°	34526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12215	12215	12215	12215	12215	
5°	12136	12178	12094	12130	12115	###
15°	11742	11696	11613	11716	11730	3315
25°	10908	10861	10937	11037	11006	5028
35°	9668	9691	9790	9894	9856	6043
45°	8024	8155	8307	8519	8545	6181
55°	5904	6189	6611	6876	6860	5271
65°	3465	4008	4550	3840	3135	3453
75°	1364	1978	1455	1489	1586	1490
85°	235	450	578	698	731	287
90°	2	150	298	374	392	14
95°	2	94	205	249	256	2
105°	7	41	101	122	127	8
115°	14	21	51	65	69	13
125°	12	14	32	37	39	12
135°	16	18	19	28	30	13
145°	16	18	18	19	21	11
155°	18	19	19	19	18	8
165°	19	19	19	19	19	5
175°	19	19	18	16	16	2
180°	18	18	18	18	18	



TEST NUMBER: P830319

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12215.3	12215.3	12215.3	12215.3	12215.3
2.5°	12165.9	12217.1	12153.5	12222.4	12240.1
5°	12135.8	12178.2	12093.5	12130.5	12114.7
7.5°	12081.1	12095.2	11994.5	12024.6	11992.8
10°	11999.8	11992.8	11874.4	11932.7	11939.8
12.5°	11879.7	11858.5	11752.6	11840.9	11842.7
15°	11742.0	11696.1	11613.0	11715.5	11729.6
17.5°	11583.0	11523.0	11468.2	11600.7	11579.5
20°	11397.6	11326.9	11316.3	11461.1	11408.2
22.5°	11167.9	11113.2	11137.9	11275.7	11242.1
25°	10908.3	10860.6	10936.6	11037.2	11005.5
27.5°	10634.5	10606.3	10692.8	10770.5	10708.7
30°	10334.3	10318.4	10433.2	10496.8	10419.1
32.5°	10007.5	10012.8	10122.3	10208.9	10136.5
35°	9668.4	9691.4	9790.3	9894.5	9855.6
37.5°	9295.7	9347.0	9445.9	9564.2	9523.6
40°	8901.9	8976.0	9085.5	9228.6	9191.5
42.5°	8476.2	8569.8	8711.1	8870.1	8866.5
45°	8024.0	8154.7	8306.6	8518.6	8545.1
47.5°	7554.2	7700.8	7893.3	8175.9	8216.6
50°	7043.8	7227.5	7467.7	7806.8	7831.5
52.5°	6475.0	6725.8	7043.8	7368.8	7338.7
55°	5904.5	6188.9	6611.0	6876.0	6860.1
57.5°	5335.8	5655.5	6167.7	6356.7	6354.9
60°	4700.0	5104.4	5664.3	5807.4	5666.1
62.5°	4111.8	4546.3	5127.4	5023.2	4539.2
65°	3465.4	4007.6	4549.8	3839.8	3135.1
67.5°	2891.3	3456.5	3864.5	2629.9	2252.0
70°	2313.8	2937.3	3013.2	1951.7	1925.2
72.5°	1801.6	2465.7	2078.9	1670.9	1755.6
75°	1363.5	1978.2	1455.4	1488.9	1586.1
77.5°	994.4	1519.0	1132.2	1305.3	1384.7
80°	683.5	1075.6	923.7	1096.8	1151.6
82.5°	429.2	710.0	740.1	883.1	939.6
85°	234.9	450.4	577.6	697.7	731.2
87.5°	97.1	272.0	441.6	538.7	567.0
90°	1.8	150.1	298.5	374.4	392.1
92.5°	1.8	114.8	243.7	302.0	314.4
95°	1.8	93.6	204.9	249.0	256.1
97.5°	3.5	74.2	171.3	206.7	213.7
100°	5.3	61.8	143.1	173.1	178.4
102.5°	7.1	49.5	120.1	144.8	150.1
105°	7.1	40.6	100.7	121.9	127.2



TEST NUMBER: P830319

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L730-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.4	24.7	60.1	75.9	79.5
115°	14.1	21.2	51.2	65.4	68.9
117.5°	14.1	17.7	44.2	54.8	58.3
120°	14.1	15.9	38.9	47.7	49.5
122.5°	14.1	14.1	33.6	42.4	44.2
125°	12.4	14.1	31.8	37.1	38.9
127.5°	14.1	14.1	28.3	33.6	35.3
130°	14.1	15.9	24.7	31.8	31.8
132.5°	15.9	17.7	23.0	30.0	30.0
135°	15.9	17.7	19.4	28.3	30.0
137.5°	17.7	17.7	17.7	26.5	28.3
140°	17.7	17.7	15.9	23.0	24.7
142.5°	15.9	17.7	15.9	21.2	23.0
145°	15.9	17.7	17.7	19.4	21.2
147.5°	17.7	17.7	17.7	17.7	19.4
150°	17.7	17.7	17.7	17.7	17.7
152.5°	17.7	17.7	17.7	17.7	17.7
155°	17.7	19.4	19.4	19.4	17.7
157.5°	17.7	19.4	19.4	19.4	19.4
160°	17.7	19.4	19.4	19.4	19.4
162.5°	19.4	19.4	19.4	19.4	19.4
165°	19.4	19.4	19.4	19.4	19.4
167.5°	19.4	21.2	19.4	19.4	19.4
170°	19.4	19.4	19.4	17.7	17.7
172.5°	19.4	19.4	19.4	17.7	17.7
175°	19.4	19.4	17.7	15.9	15.9
177.5°	21.2	19.4	17.7	15.9	14.1
180°	17.7	17.7	17.7	17.7	17.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.8	33.6	86.5	104.2	107.7
110°	10.6	28.3	72.4	88.3	91.8



(END OF REPORT)