

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: P830339

Luminaire Tested: **OHBL-36HE-MFL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-MFL-UNV-L930-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

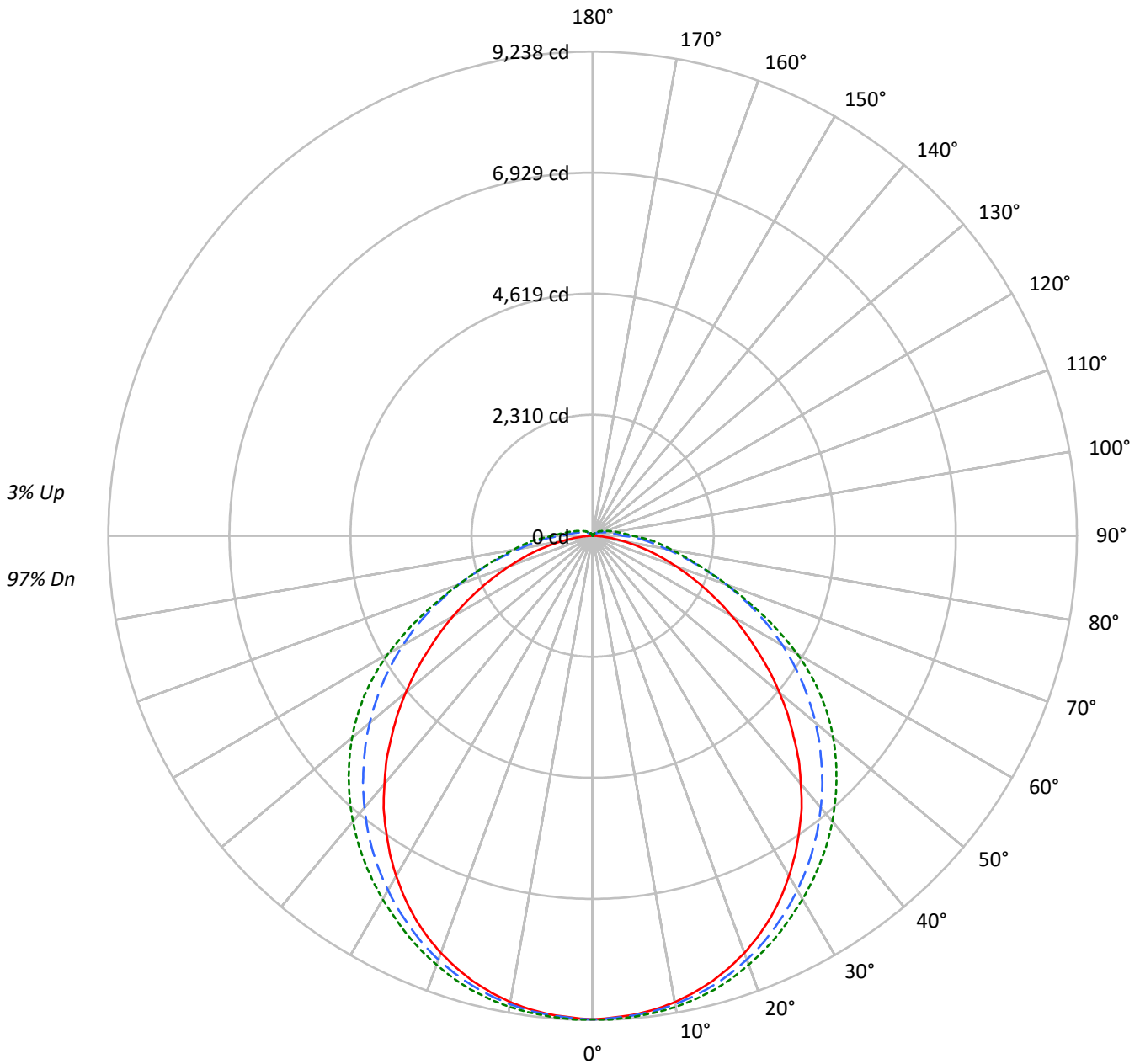
Lumens per Lamp: N/A
Luminaire Lumens: 27620.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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					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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97					
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80					
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66					
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56					
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47					
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41					
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36					
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32					
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28					
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25					
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23					

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14595	14595	14595
5°	14502	14457	14501
10°	14400	14329	14425
15°	14239	14177	14325
20°	14026	13990	14179
25°	13740	13757	14032
30°	13346	13505	13883
35°	12868	13237	13755
40°	12294	12926	13629
45°	11616	12589	13468
50°	10876	12248	13272
55°	9966	11831	12942
60°	9033	11339	12282
65°	8015	10711	11198
70°	6912	9911	10024
75°	5795	8986	9231
80°	4394	8317	9157
85°	2780	8645	10233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.5	3.2
10°-20°	2508.7	9.1
20°-30°	3794.0	13.7
30°-40°	4554.8	16.5
40°-50°	4704.3	17.0
50°-60°	4232.4	15.3
60°-70°	3188.2	11.5
70°-80°	1925.2	7.0
80°-90°	941.6	3.4
90°-100°	396.3	1.4
100°-110°	226.2	0.8
110°-120°	132.8	0.5
120°-130°	75.1	0.3
130°-140°	39.5	0.1
140°-150°	19.2	0.1
150°-160°	7.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7177.2	26.0
0°-40°	11732.0	42.5
0°-60°	20668.7	74.8
0°-90°	26723.6	96.8
90°-120°	755.4	2.7
90°-150°	889.2	3.2
90°-180°	896.0	3.2
0°-180°	27620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9229	9229	9229	9229	9229	
5°	9170	9195	9184	9220	9208	871
15°	8800	8842	8883	8958	8967	2481
25°	8036	8124	8239	8368	8388	3696
35°	6871	7031	7320	7542	7587	4295
45°	5423	5696	6173	6509	6579	4187
55°	3842	4239	4883	5251	5314	3445
65°	2344	2823	3456	3627	3587	2329
75°	1104	1586	2001	2053	2033	1178
85°	230	608	1003	1141	1161	266
90°	0	237	574	723	752	15
95°	11	160	429	547	567	10
105°	16	93	248	325	339	16
115°	18	52	154	206	215	18
125°	18	25	93	133	140	16
135°	16	20	47	81	90	12
145°	23	20	23	41	47	13
155°	23	25	23	20	23	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9228.7	9228.7	9228.7	9228.7	9228.7
2.5°	9201.6	9224.2	9210.7	9240.0	9237.8
5°	9170.0	9194.8	9183.5	9219.7	9208.4
7.5°	9115.8	9142.9	9140.6	9181.3	9176.8
10°	9036.7	9066.1	9075.1	9129.3	9129.3
12.5°	8928.3	8966.7	8989.3	9054.8	9057.1
15°	8799.6	8842.5	8883.2	8957.7	8966.7
17.5°	8643.7	8697.9	8754.4	8840.2	8851.5
20°	8467.6	8528.5	8605.3	8695.7	8709.2
22.5°	8264.3	8336.6	8435.9	8542.1	8557.9
25°	8036.2	8124.3	8239.4	8368.2	8388.5
27.5°	7776.4	7878.1	8033.9	8178.5	8196.5
30°	7494.1	7613.8	7808.0	7979.7	8009.1
32.5°	7196.0	7333.7	7573.2	7765.1	7805.8
35°	6870.7	7031.1	7320.2	7541.5	7586.7
37.5°	6550.0	6726.2	7053.7	7306.6	7360.8
40°	6175.1	6394.2	6769.1	7049.2	7114.7
42.5°	5822.7	6059.9	6484.5	6789.4	6852.7
45°	5422.9	5696.2	6172.8	6509.3	6579.4
47.5°	5048.0	5343.9	5872.4	6220.2	6292.5
50°	4652.8	4978.0	5551.7	5915.3	5989.9
52.5°	4257.5	4607.6	5219.7	5596.9	5666.9
55°	3841.9	4239.4	4883.1	5251.3	5314.5
57.5°	3455.7	3875.8	4537.6	4887.7	4926.0
60°	3074.0	3509.9	4185.2	4492.4	4505.9
62.5°	2701.3	3159.8	3823.8	4067.8	4049.7
65°	2344.4	2823.3	3455.7	3627.3	3586.7
67.5°	2001.1	2495.8	3078.5	3189.2	3135.0
70°	1675.9	2177.3	2712.6	2769.1	2719.4
72.5°	1389.1	1874.7	2342.2	2389.6	2353.5
75°	1104.5	1585.6	2001.1	2053.1	2032.8
77.5°	837.9	1305.5	1687.2	1754.9	1759.5
80°	603.1	1050.3	1413.9	1520.1	1533.6
82.5°	397.5	815.4	1185.8	1321.3	1341.6
85°	230.4	607.6	1002.8	1140.6	1160.9
87.5°	99.4	438.2	806.3	930.6	955.4
90°	0.0	237.2	573.7	722.8	752.1
92.5°	6.8	196.5	492.4	627.9	652.7
95°	11.3	160.4	429.1	546.6	566.9
97.5°	13.6	135.5	372.7	476.6	496.9
100°	13.6	117.4	323.0	417.8	435.9
102.5°	13.6	103.9	282.3	365.9	381.7
105°	15.8	92.6	248.4	325.2	338.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.1	61.0	171.7	230.4	239.4
115°	18.1	51.9	153.6	205.5	214.6
117.5°	20.3	45.2	135.5	185.2	192.0
120°	20.3	38.4	119.7	164.9	173.9
122.5°	20.3	31.6	106.2	149.1	155.8
125°	18.1	24.8	92.6	133.3	140.0
127.5°	15.8	20.3	79.1	119.7	126.5
130°	15.8	18.1	67.8	106.2	112.9
132.5°	15.8	20.3	56.5	92.6	101.6
135°	15.8	20.3	47.4	81.3	90.3
137.5°	15.8	20.3	38.4	70.0	79.1
140°	18.1	20.3	31.6	58.7	67.8
142.5°	20.3	20.3	24.8	49.7	56.5
145°	22.6	20.3	22.6	40.7	47.4
147.5°	22.6	22.6	22.6	31.6	38.4
150°	22.6	24.8	22.6	24.8	31.6
152.5°	22.6	24.8	22.6	20.3	24.8
155°	22.6	24.8	22.6	20.3	22.6
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.8	81.3	219.1	289.1	300.4
110°	15.8	72.3	194.2	257.5	268.8



(END OF REPORT)