

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: P830187

Luminaire Tested: **OHBL-30HE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830187
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-30HE-MFL-UNV-L730-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

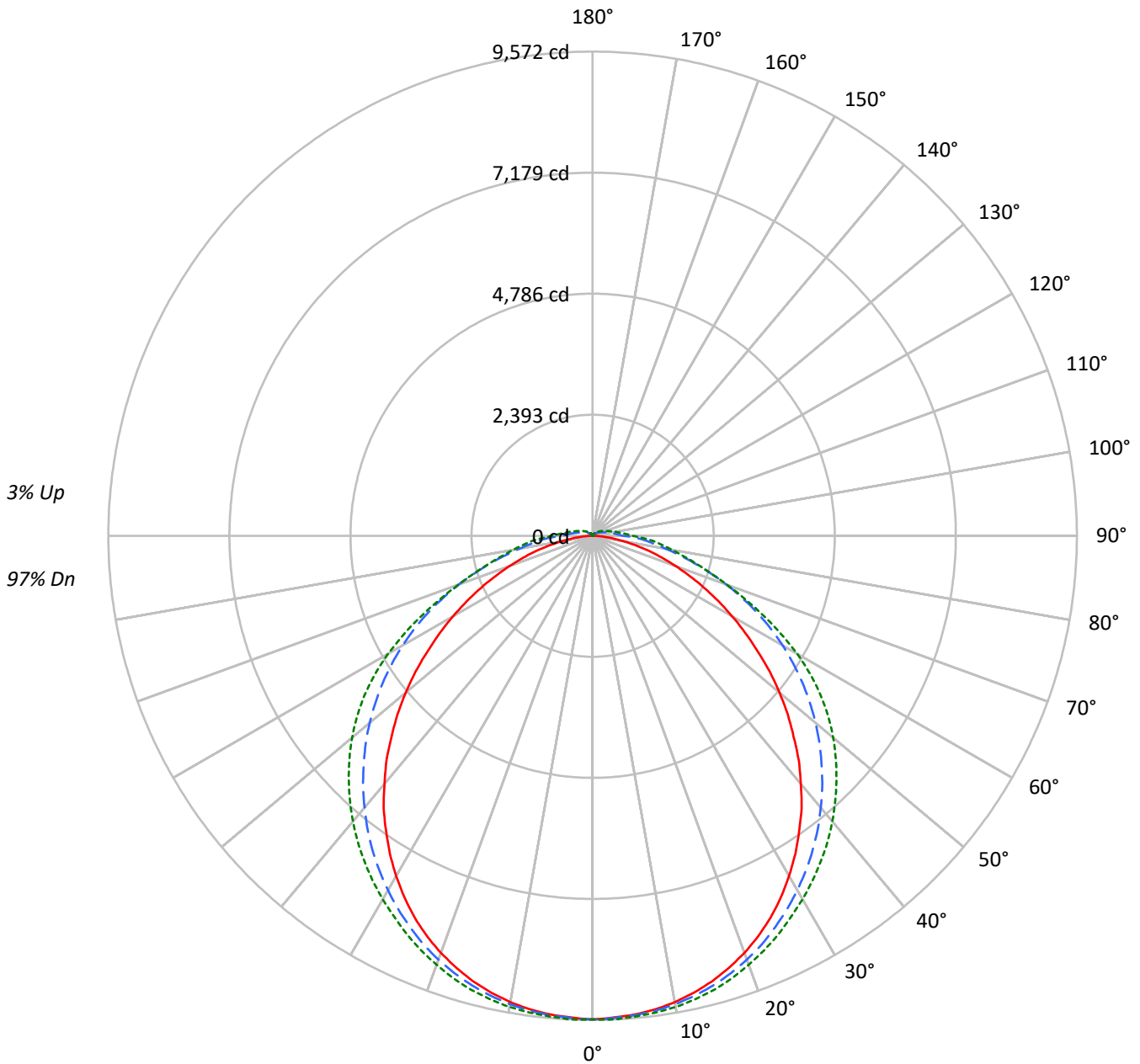
Lumens per Lamp: N/A
Luminaire Lumens: 28619.0 lumens
Efficiency: N/A
Efficacy: 174.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 163.8
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	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	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15123	15123	15123
5°	15026	14980	15026
10°	14921	14848	14947
15°	14754	14690	14843
20°	14533	14496	14692
25°	14237	14255	14539
30°	13828	13993	14385
35°	13333	13716	14253
40°	12738	13394	14122
45°	12037	13044	13955
50°	11269	12691	13752
55°	10326	12259	13410
60°	9360	11749	12726
65°	8305	11099	11603
70°	7162	10269	10386
75°	6005	9311	9564
80°	4553	8618	9489
85°	2880	8958	10603



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	906.1	3.2
10°-20°	2599.5	9.1
20°-30°	3931.2	13.7
30°-40°	4719.5	16.5
40°-50°	4874.5	17.0
50°-60°	4385.5	15.3
60°-70°	3303.5	11.5
70°-80°	1994.8	7.0
80°-90°	975.6	3.4
90°-100°	410.7	1.4
100°-110°	234.4	0.8
110°-120°	137.6	0.5
120°-130°	77.8	0.3
130°-140°	41.0	0.1
140°-150°	19.9	0.1
150°-160°	7.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7436.8	26.0
0°-40°	12156.3	42.5
0°-60°	21416.3	74.8
0°-90°	27690.2	96.8
90°-120°	782.7	2.7
90°-150°	921.4	3.2
90°-180°	929.0	3.2
0°-180°	28619.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9562	9562	9562	9562	9562	
5°	9502	9527	9516	9553	9542	903
15°	9118	9162	9204	9282	9291	2571
25°	8327	8418	8538	8671	8692	3830
35°	7119	7285	7585	7814	7861	4451
45°	5619	5902	6396	6745	6817	4338
55°	3981	4393	5060	5441	5507	3569
65°	2429	2925	3581	3758	3716	2413
75°	1144	1643	2074	2127	2106	1221
85°	239	630	1039	1182	1203	276
90°	0	246	594	749	779	15
95°	12	166	445	566	587	10
105°	16	96	257	337	351	16
115°	19	54	159	213	222	19
125°	19	26	96	138	145	17
135°	16	21	49	84	94	13
145°	23	21	23	42	49	14
155°	23	26	23	21	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°	9562.5	9562.5	9562.5	9562.5	9562.5
2.5°	9534.4	9557.8	9543.8	9574.2	9571.9
5°	9501.7	9527.4	9515.7	9553.2	9541.5
7.5°	9445.5	9473.6	9471.2	9513.4	9508.7
10°	9363.6	9394.0	9403.4	9459.5	9459.5
12.5°	9251.3	9291.0	9314.4	9382.3	9384.7
15°	9117.9	9162.3	9204.5	9281.7	9291.0
17.5°	8956.4	9012.5	9071.1	9160.0	9171.7
20°	8773.8	8837.0	8916.6	9010.2	9024.2
22.5°	8563.2	8638.1	8741.1	8851.1	8867.4
25°	8326.8	8418.1	8537.5	8670.9	8691.9
27.5°	8057.7	8163.0	8324.5	8474.3	8493.0
30°	7765.2	7889.2	8090.5	8268.3	8298.7
32.5°	7456.2	7599.0	7847.1	8046.0	8088.1
35°	7119.2	7285.4	7585.0	7814.3	7861.1
37.5°	6786.9	6969.5	7308.8	7570.9	7627.1
40°	6398.4	6625.4	7013.9	7304.1	7372.0
42.5°	6033.3	6279.1	6719.0	7035.0	7100.5
45°	5619.1	5902.3	6396.1	6744.8	6817.3
47.5°	5230.6	5537.2	6084.8	6445.2	6520.1
50°	4821.0	5158.0	5752.5	6129.3	6206.5
52.5°	4411.5	4774.2	5408.5	5799.3	5871.8
55°	3980.9	4392.8	5059.8	5441.2	5506.8
57.5°	3580.7	4016.0	4701.7	5064.4	5104.2
60°	3185.2	3636.8	4336.6	4654.9	4668.9
62.5°	2799.0	3274.1	3962.1	4214.9	4196.2
65°	2429.2	2925.4	3580.7	3758.5	3716.4
67.5°	2073.5	2586.0	3189.8	3304.5	3248.4
70°	1736.5	2256.1	2810.7	2869.2	2817.7
72.5°	1439.3	1942.5	2426.9	2476.1	2438.6
75°	1144.4	1642.9	2073.5	2127.3	2106.3
77.5°	868.3	1352.7	1748.2	1818.4	1823.1
80°	624.9	1088.2	1465.0	1575.0	1589.1
82.5°	411.9	844.9	1228.7	1369.1	1390.1
85°	238.7	629.5	1039.1	1181.9	1202.9
87.5°	103.0	454.0	835.5	964.2	990.0
90°	0.0	245.7	594.4	748.9	779.3
92.5°	7.0	203.6	510.2	650.6	676.4
95°	11.7	166.2	444.7	566.4	587.4
97.5°	14.0	140.4	386.2	493.8	514.9
100°	14.0	121.7	334.7	433.0	451.7
102.5°	14.0	107.7	292.5	379.1	395.5
105°	16.4	96.0	257.4	337.0	351.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.7	63.2	177.9	238.7	248.1
115°	18.7	53.8	159.1	213.0	222.3
117.5°	21.1	46.8	140.4	191.9	198.9
120°	21.1	39.8	124.0	170.8	180.2
122.5°	21.1	32.8	110.0	154.5	161.5
125°	18.7	25.7	96.0	138.1	145.1
127.5°	16.4	21.1	81.9	124.0	131.1
130°	16.4	18.7	70.2	110.0	117.0
132.5°	16.4	21.1	58.5	96.0	105.3
135°	16.4	21.1	49.1	84.3	93.6
137.5°	16.4	21.1	39.8	72.5	81.9
140°	18.7	21.1	32.8	60.8	70.2
142.5°	21.1	21.1	25.7	51.5	58.5
145°	23.4	21.1	23.4	42.1	49.1
147.5°	23.4	23.4	23.4	32.8	39.8
150°	23.4	25.7	23.4	25.7	32.8
152.5°	23.4	25.7	23.4	21.1	25.7
155°	23.4	25.7	23.4	21.1	23.4
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°	16.4	84.3	227.0	299.6	311.3
110°	16.4	74.9	201.3	266.8	278.5



(END OF REPORT)