

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: P830183

Luminaire Tested: **OHBL-30HE-MCL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830183
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-30HE-MCL-UNV-L930-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

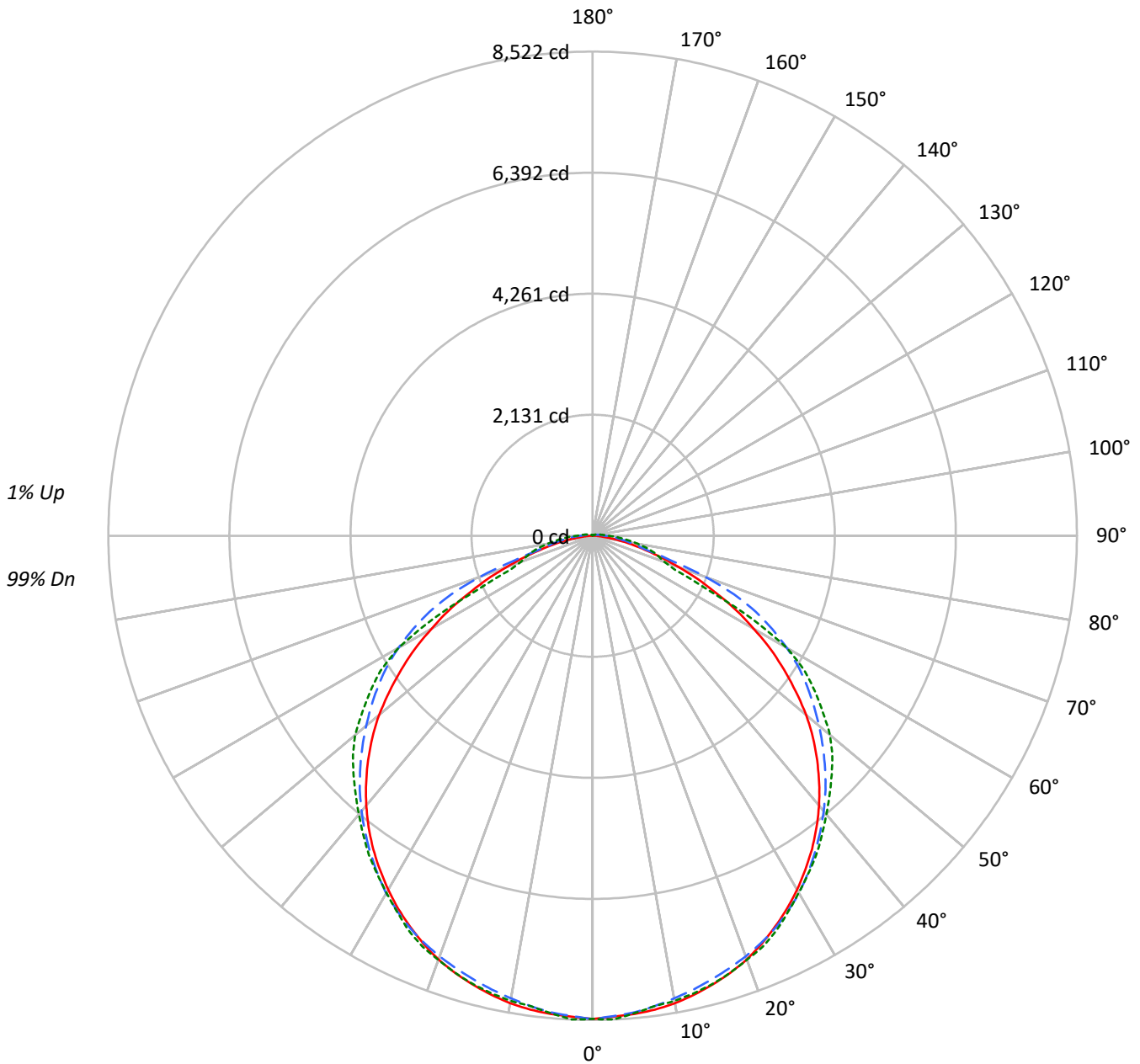
Lumens per Lamp: N/A
Luminaire Lumens: 24038.0 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	13450	13450	13450
5°	13362	13254	13282
10°	13313	13054	13135
15°	13229	12904	13047
20°	13144	12809	12931
25°	12986	12714	12817
30°	12813	12564	12575
35°	12607	12326	12441
40°	12339	12079	12259
45°	11967	11795	12178
50°	11463	11470	12082
55°	10663	11152	11631
60°	9616	10685	10753
65°	8249	9819	6814
70°	6644	7665	4941
75°	4981	4550	5015
80°	3467	3783	4788
85°	1974	3466	4488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.9	3.3
10°-20°	2299.5	9.6
20°-30°	3512.1	14.6
30°-40°	4261.3	17.7
40°-50°	4466.3	18.6
50°-60°	4047.1	16.8
60°-70°	2713.4	11.3
70°-80°	1218.5	5.1
80°-90°	442.2	1.8
90°-100°	133.1	0.6
100°-110°	62.8	0.3
110°-120°	31.5	0.1
120°-130°	17.4	0.1
130°-140°	11.9	0.0
140°-150°	8.0	0.0
150°-160°	6.0	0.0
160°-170°	3.8	0.0
170°-180°	1.2	0.0
0°-30°	6613.5	27.5
0°-40°	10874.8	45.2
0°-60°	19388.2	80.7
0°-90°	23762.3	98.9
90°-120°	227.4	0.9
90°-150°	264.7	1.1
90°-180°	276.0	1.1
0°-180°	24038.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8505	8505	8505	8505	8505	
5°	8449	8479	8420	8446	8435	804
15°	8175	8143	8085	8157	8166	2308
25°	7595	7562	7614	7684	7662	3501
35°	6731	6747	6816	6889	6862	4207
45°	5587	5678	5783	5931	5949	4304
55°	4111	4309	4603	4787	4776	3669
65°	2413	2790	3168	2673	2183	2404
75°	949	1377	1013	1037	1104	1037
85°	164	314	402	486	509	200
90°	1	104	208	261	273	10
95°	1	65	143	173	178	2
105°	5	28	70	85	88	6
115°	10	15	36	46	48	9
125°	9	10	22	26	27	9
135°	11	12	14	20	21	9
145°	11	12	12	14	15	7
155°	12	14	14	14	12	6
165°	14	14	14	14	14	4
175°	14	14	12	11	11	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8504.7	8504.7	8504.7	8504.7	8504.7
2.5°	8470.2	8505.9	8461.6	8509.6	8521.9
5°	8449.3	8478.8	8419.8	8445.6	8434.6
7.5°	8411.2	8421.0	8351.0	8371.9	8349.7
10°	8354.6	8349.7	8267.3	8307.9	8312.8
12.5°	8271.0	8256.3	8182.5	8244.0	8245.2
15°	8175.1	8143.1	8085.3	8156.7	8166.5
17.5°	8064.4	8022.6	7984.5	8076.7	8062.0
20°	7935.3	7886.1	7878.7	7979.6	7942.7
22.5°	7775.4	7737.3	7754.5	7850.5	7827.1
25°	7594.7	7561.5	7614.4	7684.4	7662.3
27.5°	7404.1	7384.4	7444.7	7498.8	7455.7
30°	7195.0	7184.0	7263.9	7308.2	7254.1
32.5°	6967.5	6971.2	7047.5	7107.7	7057.3
35°	6731.4	6747.4	6816.3	6888.8	6861.8
37.5°	6472.0	6507.6	6576.5	6658.9	6630.6
40°	6197.7	6249.4	6325.6	6425.2	6399.4
42.5°	5901.4	5966.5	6064.9	6175.6	6173.1
45°	5586.6	5677.6	5783.3	5930.9	5949.3
47.5°	5259.5	5361.5	5495.6	5692.3	5720.6
50°	4904.1	5032.0	5199.2	5435.3	5452.5
52.5°	4508.1	4682.7	4904.1	5130.3	5109.4
55°	4110.9	4308.9	4602.8	4787.3	4776.2
57.5°	3714.9	3937.5	4294.1	4425.7	4424.5
60°	3272.3	3553.9	3943.7	4043.3	3944.9
62.5°	2862.8	3165.3	3569.8	3497.3	3160.4
65°	2412.7	2790.2	3167.7	2673.4	2182.7
67.5°	2013.0	2406.5	2690.6	1831.0	1567.9
70°	1610.9	2045.0	2097.9	1358.8	1340.4
72.5°	1254.3	1716.7	1447.4	1163.3	1222.3
75°	949.3	1377.3	1013.3	1036.6	1104.3
77.5°	692.3	1057.5	788.2	908.8	964.1
80°	475.9	748.9	643.1	763.6	801.8
82.5°	298.8	494.3	515.2	614.9	654.2
85°	163.6	313.6	402.1	485.7	509.1
87.5°	67.6	189.4	307.4	375.1	394.7
90°	1.2	104.5	207.8	260.7	273.0
92.5°	1.2	79.9	169.7	210.3	218.9
95°	1.2	65.2	142.6	173.4	178.3
97.5°	2.5	51.6	119.3	143.9	148.8
100°	3.7	43.0	99.6	120.5	124.2
102.5°	4.9	34.4	83.6	100.8	104.5
105°	4.9	28.3	70.1	84.8	88.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.6	17.2	41.8	52.9	55.3
115°	9.8	14.8	35.7	45.5	48.0
117.5°	9.8	12.3	30.7	38.1	40.6
120°	9.8	11.1	27.1	33.2	34.4
122.5°	9.8	9.8	23.4	29.5	30.7
125°	8.6	9.8	22.1	25.8	27.1
127.5°	9.8	9.8	19.7	23.4	24.6
130°	9.8	11.1	17.2	22.1	22.1
132.5°	11.1	12.3	16.0	20.9	20.9
135°	11.1	12.3	13.5	19.7	20.9
137.5°	12.3	12.3	12.3	18.4	19.7
140°	12.3	12.3	11.1	16.0	17.2
142.5°	11.1	12.3	11.1	14.8	16.0
145°	11.1	12.3	12.3	13.5	14.8
147.5°	12.3	12.3	12.3	12.3	13.5
150°	12.3	12.3	12.3	12.3	12.3
152.5°	12.3	12.3	12.3	12.3	12.3
155°	12.3	13.5	13.5	13.5	12.3
157.5°	12.3	13.5	13.5	13.5	13.5
160°	12.3	13.5	13.5	13.5	13.5
162.5°	13.5	13.5	13.5	13.5	13.5
165°	13.5	13.5	13.5	13.5	13.5
167.5°	13.5	14.8	13.5	13.5	13.5
170°	13.5	13.5	13.5	12.3	12.3
172.5°	13.5	13.5	13.5	12.3	12.3
175°	13.5	13.5	12.3	11.1	11.1
177.5°	14.8	13.5	12.3	11.1	9.8
180°	12.3	12.3	12.3	12.3	12.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.1	23.4	60.3	72.6	75.0
110°	7.4	19.7	50.4	61.5	63.9



(END OF REPORT)