

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: P830227

Luminaire Tested: **OHBL-30HE-W-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-W-UNV-L830-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

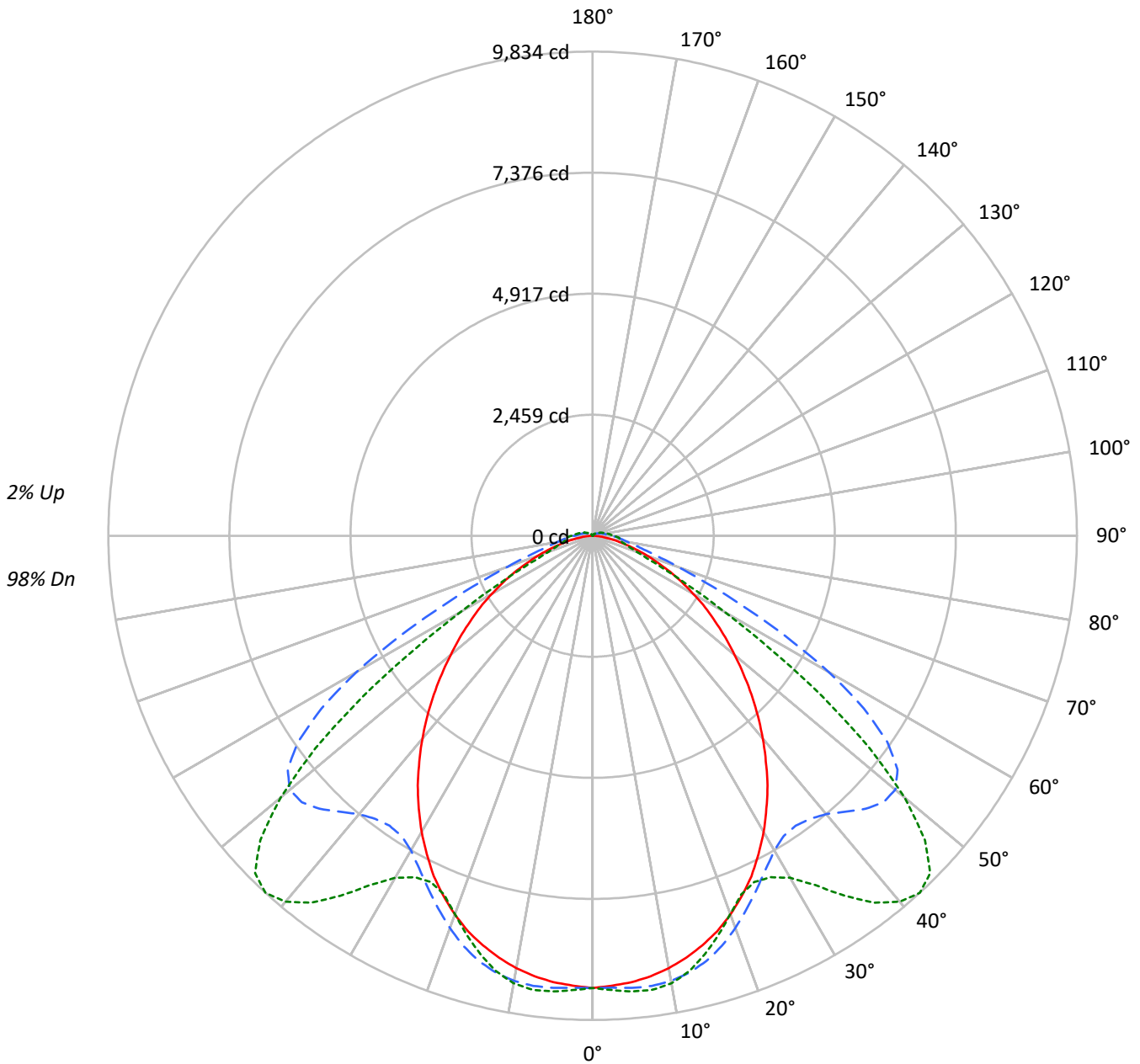
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27503.0 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14527	14527	14527
5°	14391	14513	14630
10°	14211	14497	14586
15°	13934	14264	14058
20°	13554	13780	13309
25°	13046	13193	12981
30°	12370	12758	13899
35°	11598	13001	16176
40°	10704	14089	18587
45°	9768	15993	19841
50°	8792	17699	18316
55°	7875	17693	13860
60°	6942	14986	8373
65°	5956	10363	4993
70°	4839	6712	3528
75°	3681	4823	3168
80°	2643	4255	3384
85°	1793	4716	4769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	877.8	3.2
10°-20°	2485.6	9.0
20°-30°	3637.3	13.2
30°-40°	4723.7	17.2
40°-50°	5768.3	21.0
50°-60°	5079.9	18.5
60°-70°	2647.1	9.6
70°-80°	1135.2	4.1
80°-90°	545.2	2.0
90°-100°	256.1	0.9
100°-110°	159.2	0.6
110°-120°	94.1	0.3
120°-130°	51.2	0.2
130°-140°	25.7	0.1
140°-150°	12.4	0.0
150°-160°	4.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7000.6	25.5
0°-40°	11724.4	42.6
0°-60°	22572.5	82.1
0°-90°	26900.0	97.8
90°-120°	509.5	1.9
90°-150°	598.7	2.2
90°-180°	603.0	2.2
0°-180°	27503.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9186	9186	9186	9186	9186	
5°	9100	9170	9219	9300	9290	863
15°	8611	8853	8938	8870	8799	2425
25°	7630	8038	7901	7753	7761	3501
35°	6193	6847	7190	8385	8922	3860
45°	4560	5737	7842	9495	9693	3516
55°	3036	5026	7303	6403	5692	2725
65°	1742	3482	3343	1859	1599	1723
75°	702	1629	1074	735	698	765
85°	149	581	547	535	541	166
90°	2	210	361	412	422	10
95°	4	123	287	337	347	3
105°	8	69	186	224	228	8
115°	12	40	115	141	145	12
125°	14	20	67	87	89	12
135°	12	12	32	54	56	9
145°	16	12	14	26	30	9
155°	16	16	12	12	12	5
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°	9185.5	9185.5	9185.5	9185.5	<i>9185.5</i>
2.5°	9145.9	9185.5	9187.5	9243.0	<i>9237.0</i>
5°	9100.3	9169.6	9219.2	9300.4	<i>9290.5</i>
7.5°	9025.0	9134.0	9221.2	9310.4	<i>9302.4</i>
10°	8918.0	9066.6	9181.5	9254.9	<i>9231.1</i>
12.5°	8779.2	8975.4	9088.4	9104.2	<i>9058.7</i>
15°	8610.8	8852.6	8937.8	8870.4	<i>8799.1</i>
17.5°	8420.5	8703.9	8733.7	8587.0	<i>8497.8</i>
20°	8182.7	8505.8	8476.0	8273.9	<i>8174.8</i>
22.5°	7919.1	8287.8	8192.6	7980.6	<i>7885.5</i>
25°	7629.8	8038.1	7901.3	7752.7	<i>7760.6</i>
27.5°	7290.9	7754.7	7621.9	7689.3	<i>7816.1</i>
30°	6946.1	7457.4	7376.1	7768.5	<i>8018.2</i>
32.5°	6567.6	7152.2	7225.5	8000.4	<i>8408.6</i>
35°	6193.0	6847.0	7189.9	8384.9	<i>8921.9</i>
37.5°	5778.8	6537.9	7247.3	8828.8	<i>9391.6</i>
40°	5376.5	6236.6	7378.1	9227.1	<i>9702.7</i>
42.5°	<i>4966.3</i>	<i>5967.1</i>	<i>7598.1</i>	<i>9462.9</i>	<i>9833.5</i>
45°	4560.1	5737.2	7841.9	9494.7	<i>9692.8</i>
47.5°	4153.8	5543.0	8010.3	9243.0	<i>9151.8</i>
50°	3761.4	5370.6	8022.2	8638.5	<i>8266.0</i>
52.5°	3394.8	5212.1	7804.2	7675.4	<i>7096.7</i>
55°	3036.1	5025.8	7302.8	6403.1	<i>5691.6</i>
57.5°	2709.1	4768.1	6529.9	5035.7	<i>4258.8</i>
60°	2362.3	4419.3	5531.1	3684.1	<i>3071.7</i>
62.5°	2043.2	3985.3	4411.4	2564.4	<i>2207.7</i>
65°	1742.0	3482.0	3343.2	1858.9	<i>1599.3</i>
67.5°	1422.9	2960.8	2467.3	1355.5	<i>1189.1</i>
70°	1173.2	2477.2	1837.1	1054.3	<i>957.2</i>
72.5°	917.6	2017.4	1373.4	856.1	<i>802.6</i>
75°	701.5	1629.0	1074.1	735.2	<i>697.6</i>
77.5°	517.2	1288.1	864.1	650.0	<i>614.3</i>
80°	362.7	1014.7	723.3	580.7	<i>566.8</i>
82.5°	243.8	784.8	616.3	552.9	<i>554.9</i>
85°	148.6	580.7	547.0	535.1	<i>541.0</i>
87.5°	71.3	412.2	469.7	487.5	<i>493.5</i>
90°	2.0	210.1	360.7	412.2	<i>422.1</i>
92.5°	0.0	160.5	317.1	368.6	<i>378.5</i>
95°	4.0	122.9	287.4	336.9	<i>346.8</i>
97.5°	4.0	101.1	257.6	309.2	<i>315.1</i>
100°	5.9	87.2	229.9	279.4	<i>285.4</i>
102.5°	5.9	77.3	206.1	249.7	<i>253.7</i>
105°	7.9	69.4	186.3	223.9	<i>227.9</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.9	47.6	130.8	158.5	162.5
115°	11.9	39.6	114.9	140.7	144.7
117.5°	13.9	35.7	101.1	124.9	126.8
120°	13.9	29.7	87.2	111.0	113.0
122.5°	13.9	23.8	77.3	99.1	101.1
125°	13.9	19.8	67.4	87.2	89.2
127.5°	11.9	13.9	57.5	77.3	79.3
130°	11.9	11.9	47.6	67.4	71.3
132.5°	11.9	11.9	39.6	59.5	63.4
135°	11.9	11.9	31.7	53.5	55.5
137.5°	11.9	11.9	25.8	45.6	49.5
140°	11.9	11.9	19.8	39.6	41.6
142.5°	13.9	11.9	17.8	33.7	35.7
145°	15.9	11.9	13.9	25.8	29.7
147.5°	15.9	13.9	13.9	21.8	23.8
150°	15.9	15.9	11.9	15.9	19.8
152.5°	15.9	15.9	11.9	11.9	15.9
155°	15.9	15.9	11.9	11.9	11.9
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°	9.9	61.4	166.5	200.2	204.1
110°	9.9	53.5	146.7	178.4	182.3



(END OF REPORT)