

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: P830189

Luminaire Tested: **OHBL-30HE-MFL-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830189
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-L740-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

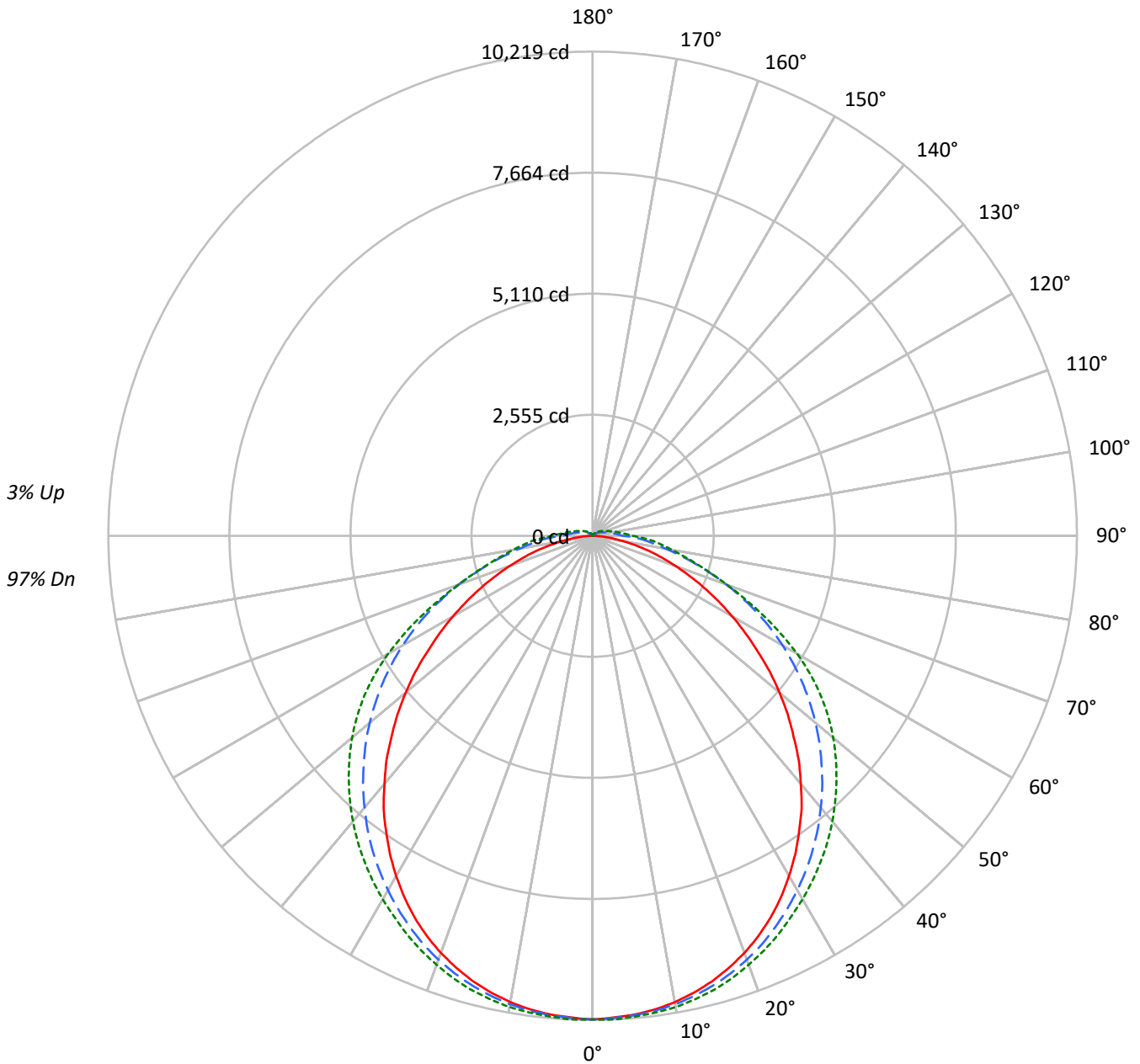
Lumens per Lamp: N/A
Luminaire Lumens: 30554.0 lumens
Efficiency: N/A
Efficacy: 186.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16145	16145	16145
5°	16042	15992	16041
10°	15930	15852	15957
15°	15752	15683	15847
20°	15516	15477	15686
25°	15200	15219	15522
30°	14763	14939	15358
35°	14234	14643	15216
40°	13599	14299	15077
45°	12850	13926	14898
50°	12031	13549	14682
55°	11024	13088	14316
60°	9993	12544	13587
65°	8867	11849	12387
70°	7646	10964	11089
75°	6411	9941	10211
80°	4860	9201	10130
85°	3076	9564	11321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	967.4	3.2
10°-20°	2775.2	9.1
20°-30°	4197.0	13.7
30°-40°	5038.6	16.5
40°-50°	5204.0	17.0
50°-60°	4682.0	15.3
60°-70°	3526.9	11.5
70°-80°	2129.7	7.0
80°-90°	1041.6	3.4
90°-100°	438.4	1.4
100°-110°	250.3	0.8
110°-120°	146.9	0.5
120°-130°	83.1	0.3
130°-140°	43.8	0.1
140°-150°	21.3	0.1
150°-160°	7.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7939.6	26.0
0°-40°	12978.2	42.5
0°-60°	22864.3	74.8
0°-90°	29562.4	96.8
90°-120°	835.6	2.7
90°-150°	983.7	3.2
90°-180°	992.0	3.2
0°-180°	30554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10209	10209	10209	10209	10209	
5°	10144	10172	10159	10199	10187	964
15°	9734	9782	9827	9909	9919	2744
25°	8890	8987	9115	9257	9280	4089
35°	7601	7778	8098	8343	8393	4751
45°	5999	6301	6828	7201	7278	4631
55°	4250	4690	5402	5809	5879	3811
65°	2594	3123	3823	4013	3968	2577
75°	1222	1754	2214	2271	2249	1303
85°	255	672	1109	1262	1284	294
90°	0	262	635	800	832	16
95°	12	177	475	605	627	11
105°	18	102	275	360	375	18
115°	20	58	170	227	237	20
125°	20	28	102	147	155	18
135°	18	22	52	90	100	14
145°	25	22	25	45	52	15
155°	25	28	25	22	25	8
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°	10209.1	10209.1	10209.1	<i>10209.1</i>	10209.1
2.5°	<i>10179.1</i>	<i>10204.1</i>	<i>10189.1</i>	<i>10221.6</i>	<i>10219.1</i>
5°	10144.1	10171.6	10159.1	<i>10199.1</i>	10186.6
7.5°	10084.1	10114.1	10111.6	<i>10156.6</i>	10151.6
10°	9996.7	10029.2	10039.2	<i>10099.1</i>	10099.1
12.5°	9876.8	9919.2	9944.2	<i>10016.7</i>	10019.2
15°	9734.3	9781.8	9826.8	<i>9909.2</i>	9919.2
17.5°	9561.9	9621.9	9684.4	<i>9779.3</i>	9791.8
20°	9367.1	9434.5	9519.5	<i>9619.4</i>	9634.4
22.5°	9142.2	9222.1	9332.1	<i>9449.5</i>	9467.0
25°	8889.8	8987.3	9114.7	<i>9257.1</i>	9279.6
27.5°	8602.5	8714.9	8887.3	<i>9047.2</i>	9067.2
30°	8290.2	8422.6	8637.5	<i>8827.4</i>	8859.8
32.5°	7960.4	8112.8	8377.6	<i>8590.0</i>	8635.0
35°	7600.6	7778.0	8097.8	<i>8342.6</i>	8392.6
37.5°	7245.8	7440.7	7803.0	<i>8082.8</i>	8142.8
40°	6831.0	7073.4	7488.1	<i>7798.0</i>	7870.4
42.5°	6441.3	6703.6	7173.3	<i>7510.6</i>	7580.6
45°	5999.0	6301.3	6828.5	<i>7200.8</i>	7278.3
47.5°	5584.3	5911.6	6496.2	<i>6881.0</i>	6961.0
50°	5147.0	5506.8	6141.4	<i>6543.7</i>	6626.1
52.5°	4709.8	5097.0	5774.1	<i>6191.4</i>	6268.9
55°	4250.0	4689.8	5401.9	<i>5809.1</i>	5879.1
57.5°	3822.8	4287.5	5019.6	<i>5406.9</i>	5449.3
60°	3400.5	3882.7	4629.8	<i>4969.6</i>	4984.6
62.5°	2988.3	3495.5	4230.0	<i>4499.9</i>	4479.9
65°	2593.5	3123.2	3822.8	<i>4012.7</i>	3967.7
67.5°	2213.7	2760.9	3405.5	<i>3527.9</i>	3468.0
70°	1853.9	2408.6	3000.8	<i>3063.2</i>	3008.3
72.5°	1536.6	2073.8	2591.0	<i>2643.5</i>	2603.5
75°	1221.8	1754.0	2213.7	<i>2271.2</i>	2248.7
77.5°	927.0	1444.2	1866.4	<i>1941.4</i>	1946.4
80°	667.1	1161.8	1564.1	<i>1681.5</i>	1696.5
82.5°	439.7	902.0	1311.7	<i>1461.7</i>	1484.1
85°	254.9	672.1	1109.4	<i>1261.8</i>	1284.3
87.5°	109.9	484.7	892.0	<i>1029.4</i>	1056.9
90°	0.0	262.3	634.6	<i>799.5</i>	832.0
92.5°	7.5	217.4	544.7	<i>694.6</i>	722.1
95°	12.5	177.4	474.7	<i>604.6</i>	627.1
97.5°	15.0	149.9	412.3	<i>527.2</i>	549.7
100°	15.0	129.9	357.3	<i>462.2</i>	482.2
102.5°	15.0	114.9	312.3	<i>404.8</i>	422.3
105°	17.5	102.4	274.8	<i>359.8</i>	374.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.0	67.5	189.9	254.9	264.8
115°	20.0	57.5	169.9	227.4	237.4
117.5°	22.5	50.0	149.9	204.9	212.4
120°	22.5	42.5	132.4	182.4	192.4
122.5°	22.5	35.0	117.4	164.9	172.4
125°	20.0	27.5	102.4	147.4	154.9
127.5°	17.5	22.5	87.4	132.4	139.9
130°	17.5	20.0	75.0	117.4	124.9
132.5°	17.5	22.5	62.5	102.4	112.4
135°	17.5	22.5	52.5	89.9	99.9
137.5°	17.5	22.5	42.5	77.5	87.4
140°	20.0	22.5	35.0	65.0	75.0
142.5°	22.5	22.5	27.5	55.0	62.5
145°	25.0	22.5	25.0	45.0	52.5
147.5°	25.0	25.0	25.0	35.0	42.5
150°	25.0	27.5	25.0	27.5	35.0
152.5°	25.0	27.5	25.0	22.5	27.5
155°	25.0	27.5	25.0	22.5	25.0
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°	17.5	89.9	242.4	319.8	332.3
110°	17.5	80.0	214.9	284.8	297.3



(END OF REPORT)