

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: P830188

Luminaire Tested: **OHBL-30HE-MFL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830188
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-L735-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

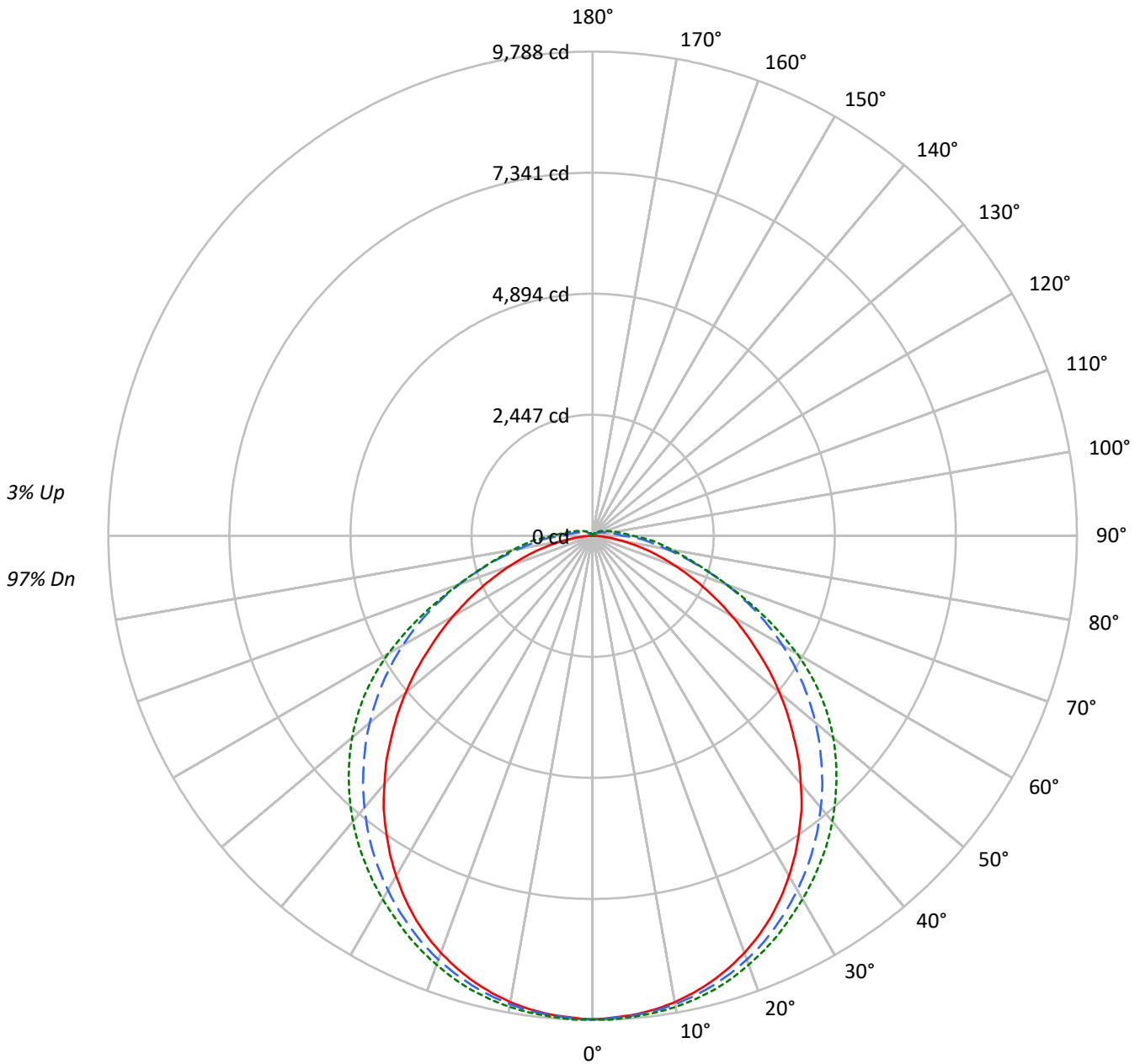
Lumens per Lamp: N/A
Luminaire Lumens: 29264.0 lumens
Efficiency: N/A
Efficacy: 178.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	15464	15464	15464
5°	15365	15317	15364
10°	15257	15182	15284
15°	15087	15021	15178
20°	14860	14823	15023
25°	14558	14576	14867
30°	14140	14309	14710
35°	13634	14025	14574
40°	13025	13696	14440
45°	12308	13338	14269
50°	11523	12977	14062
55°	10559	12535	13712
60°	9571	12014	13013
65°	8492	11349	11864
70°	7323	10501	10620
75°	6140	9521	9780
80°	4655	8813	9703
85°	2945	9160	10842



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	926.5	3.2
10°-20°	2658.1	9.1
20°-30°	4019.8	13.7
30°-40°	4825.9	16.5
40°-50°	4984.3	17.0
50°-60°	4484.3	15.3
60°-70°	3378.0	11.5
70°-80°	2039.7	7.0
80°-90°	997.6	3.4
90°-100°	419.9	1.4
100°-110°	239.7	0.8
110°-120°	140.7	0.5
120°-130°	79.6	0.3
130°-140°	41.9	0.1
140°-150°	20.4	0.1
150°-160°	7.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7604.4	26.0
0°-40°	12430.3	42.5
0°-60°	21899.0	74.8
0°-90°	28314.3	96.8
90°-120°	800.3	2.7
90°-150°	942.2	3.2
90°-180°	950.0	3.2
0°-180°	29264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9778	9778	9778	9778	9778	
5°	9716	9742	9730	9768	9756	923
15°	9323	9369	9412	9491	9500	2629
25°	8514	8608	8730	8866	8888	3916
35°	7280	7450	7756	7990	8038	4551
45°	5746	6035	6540	6897	6971	4436
55°	4071	4492	5174	5564	5631	3650
65°	2484	2991	3661	3843	3800	2468
75°	1170	1680	2120	2175	2154	1248
85°	244	644	1062	1208	1230	282
90°	0	251	608	766	797	15
95°	12	170	455	579	601	10
105°	17	98	263	345	359	17
115°	19	55	163	218	227	20
125°	19	26	98	141	148	17
135°	17	22	50	86	96	13
145°	24	22	24	43	50	14
155°	24	26	24	22	24	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°	9778.0	9778.0	9778.0	9778.0	9778.0
2.5°	9749.3	9773.2	9758.9	9790.0	9787.6
5°	9715.8	9742.1	9730.2	9768.5	9756.5
7.5°	9658.4	9687.1	9684.7	9727.8	9723.0
10°	9574.6	9605.7	9615.3	9672.7	9672.7
12.5°	9459.8	9500.4	9524.4	9593.8	9596.2
15°	9323.4	9368.8	9411.9	9490.9	9500.4
17.5°	9158.2	9215.7	9275.5	9366.4	9378.4
20°	8971.6	9036.2	9117.5	9213.3	9227.6
22.5°	8756.2	8832.8	8938.1	9050.5	9067.3
25°	8514.5	8607.8	8729.9	8866.3	8887.8
27.5°	8239.3	8347.0	8512.1	8665.3	8684.4
30°	7940.2	8067.0	8272.8	8454.7	8485.8
32.5°	7624.3	7770.3	8023.9	8227.3	8270.4
35°	7279.7	7449.6	7755.9	7990.4	8038.3
37.5°	6939.9	7126.5	7473.5	7741.5	7799.0
40°	6542.6	6774.7	7172.0	7468.7	7538.1
42.5°	6169.3	6420.6	6870.5	7193.5	7260.5
45°	5745.7	6035.3	6540.2	6896.8	6971.0
47.5°	5348.5	5662.0	6221.9	6590.5	6667.1
50°	4929.7	5274.3	5882.1	6267.4	6346.4
52.5°	4510.9	4881.8	5530.4	5930.0	6004.2
55°	4070.6	4491.8	5173.8	5563.9	5630.9
57.5°	3661.4	4106.5	4807.7	5178.6	5219.3
60°	3257.0	3718.8	4434.3	4759.8	4774.2
62.5°	2862.1	3347.9	4051.4	4309.9	4290.8
65°	2484.0	2991.3	3661.4	3843.3	3800.2
67.5°	2120.2	2644.3	3261.7	3379.0	3321.6
70°	1775.6	2306.9	2874.1	2933.9	2881.2
72.5°	1471.7	1986.2	2481.6	2531.9	2493.6
75°	1170.2	1679.9	2120.2	2175.3	2153.8
77.5°	887.8	1383.2	1787.6	1859.4	1864.2
80°	638.9	1112.8	1498.1	1610.5	1624.9
82.5°	421.2	863.9	1256.4	1399.9	1421.5
85°	244.1	643.7	1062.5	1208.5	1230.0
87.5°	105.3	464.3	854.3	985.9	1012.3
90°	0.0	251.3	607.8	765.8	796.9
92.5°	7.2	208.2	521.7	665.3	691.6
95°	12.0	169.9	454.7	579.1	600.7
97.5°	14.4	143.6	394.9	504.9	526.5
100°	14.4	124.4	342.2	442.7	461.9
102.5°	14.4	110.1	299.1	387.7	404.4
105°	16.8	98.1	263.2	344.6	359.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.1	64.6	181.9	244.1	253.7
115°	19.1	55.0	162.7	217.8	227.3
117.5°	21.5	47.9	143.6	196.2	203.4
120°	21.5	40.7	126.8	174.7	184.3
122.5°	21.5	33.5	112.5	157.9	165.1
125°	19.1	26.3	98.1	141.2	148.4
127.5°	16.8	21.5	83.8	126.8	134.0
130°	16.8	19.1	71.8	112.5	119.7
132.5°	16.8	21.5	59.8	98.1	107.7
135°	16.8	21.5	50.3	86.2	95.7
137.5°	16.8	21.5	40.7	74.2	83.8
140°	19.1	21.5	33.5	62.2	71.8
142.5°	21.5	21.5	26.3	52.6	59.8
145°	23.9	21.5	23.9	43.1	50.3
147.5°	23.9	23.9	23.9	33.5	40.7
150°	23.9	26.3	23.9	26.3	33.5
152.5°	23.9	26.3	23.9	21.5	26.3
155°	23.9	26.3	23.9	21.5	23.9
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°	16.8	86.2	232.1	306.3	318.3
110°	16.8	76.6	205.8	272.8	284.8



(END OF REPORT)