

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: P830260

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830260
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-30SE-MFL-UNV-L735-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

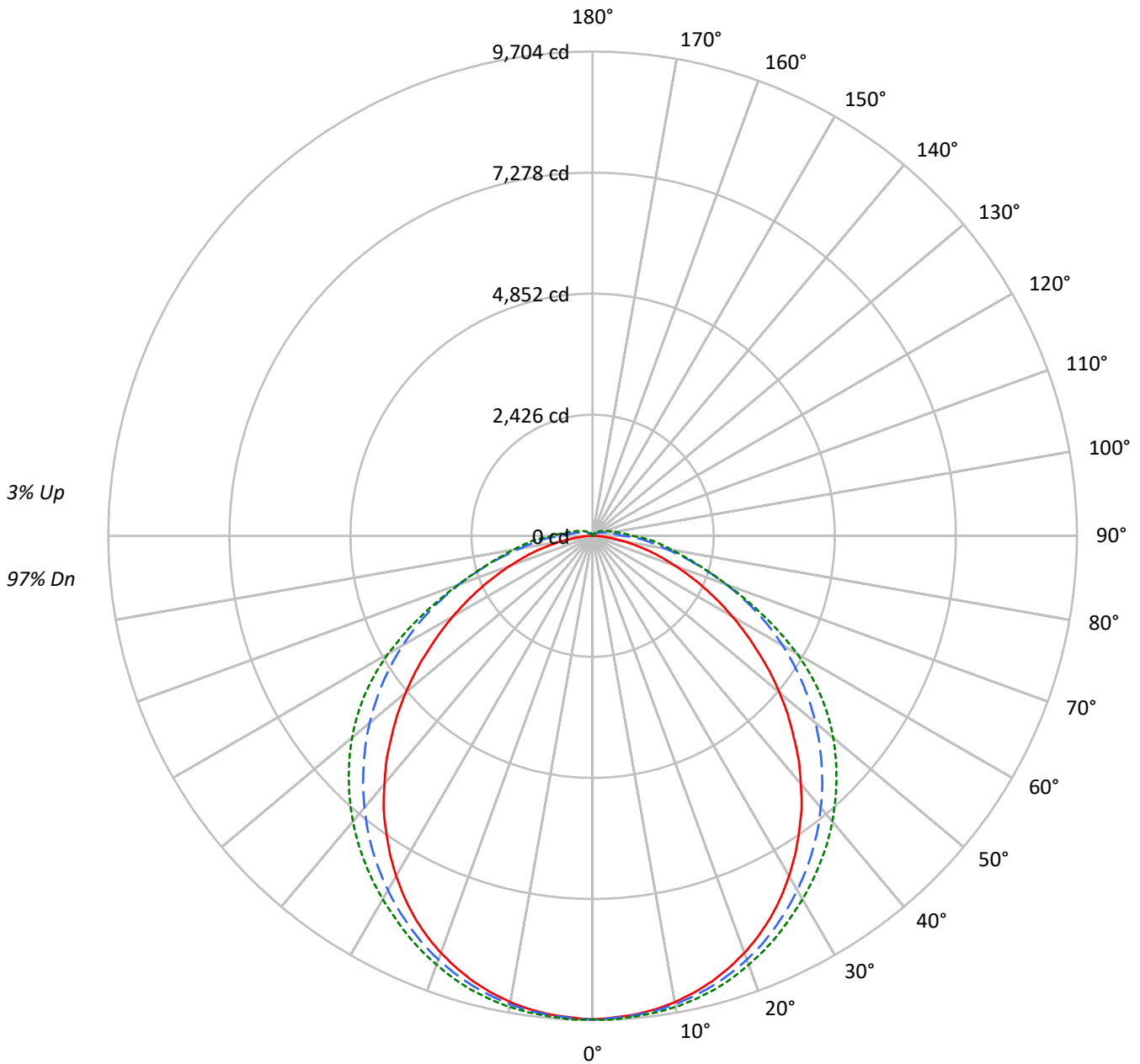
Lumens per Lamp: N/A
Luminaire Lumens: 29014.0 lumens
Efficiency: N/A
Efficacy: 166.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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°	16558	16558	16558
5°	16452	16394	16441
10°	16337	16242	16344
15°	16154	16062	16221
20°	15912	15843	16045
25°	15589	15572	15867
30°	15141	15278	15687
35°	14598	14966	15530
40°	13947	14605	15373
45°	13179	14214	15176
50°	12339	13818	14939
55°	11306	13334	14547
60°	10248	12765	13782
65°	9094	12040	12538
70°	7842	11117	11190
75°	6575	10050	10261
80°	4985	9259	10111
85°	3153	9536	11151



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	918.6	3.2
10°-20°	2635.3	9.1
20°-30°	3985.5	13.7
30°-40°	4784.6	16.5
40°-50°	4941.8	17.0
50°-60°	4446.0	15.3
60°-70°	3349.1	11.5
70°-80°	2022.3	7.0
80°-90°	989.1	3.4
90°-100°	416.3	1.4
100°-110°	237.7	0.8
110°-120°	139.5	0.5
120°-130°	78.9	0.3
130°-140°	41.5	0.1
140°-150°	20.2	0.1
150°-160°	7.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7539.5	26.0
0°-40°	12324.1	42.5
0°-60°	21711.9	74.8
0°-90°	28072.4	96.8
90°-120°	793.5	2.7
90°-150°	934.1	3.2
90°-180°	942.0	3.2
0°-180°	29014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9694	9694	9694	9694	9694	
5°	9633	9659	9647	9685	9673	915
15°	9244	9289	9332	9410	9419	2606
25°	8442	8534	8655	8790	8812	3883
35°	7218	7386	7690	7922	7970	4512
45°	5697	5984	6484	6838	6911	4398
55°	4036	4453	5130	5516	5583	3618
65°	2463	2966	3630	3810	3768	2447
75°	1160	1666	2102	2157	2135	1238
85°	242	638	1053	1198	1220	280
90°	0	249	603	759	790	15
95°	12	168	451	574	596	10
105°	17	97	261	342	356	17
115°	19	55	161	216	225	19
125°	19	26	97	140	147	17
135°	17	21	50	85	95	13
145°	24	21	24	43	50	14
155°	24	26	24	21	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°	9694.5	9694.5	9694.5	9694.5	9694.5
2.5°	9666.0	9689.8	9675.5	9706.4	9704.0
5°	9632.8	9658.9	9647.0	9685.0	9673.1
7.5°	9575.9	9604.3	9602.0	9644.7	9639.9
10°	9492.8	9523.7	9533.2	9590.1	9590.1
12.5°	9378.9	9419.3	9443.0	9511.8	9514.2
15°	9243.7	9288.8	9331.5	9409.8	9419.3
17.5°	9080.0	9136.9	9196.3	9286.4	9298.3
20°	8894.9	8959.0	9039.7	9134.6	9148.8
22.5°	8681.4	8757.3	8861.7	8973.2	8989.8
25°	8441.8	8534.3	8655.3	8790.5	8811.9
27.5°	8168.9	8275.7	8439.4	8591.2	8610.2
30°	7872.3	7998.1	8202.1	8382.4	8413.3
32.5°	7559.1	7703.9	7955.4	8157.0	8199.8
35°	7217.5	7385.9	7689.6	7922.2	7969.6
37.5°	6880.6	7065.6	7409.7	7675.4	7732.3
40°	6486.7	6716.9	7110.7	7404.9	7473.7
42.5°	6116.6	6365.7	6811.8	7132.1	7198.5
45°	5696.6	5983.7	6484.4	6837.9	6911.4
47.5°	5302.8	5613.6	6168.8	6534.2	6610.1
50°	4887.6	5229.2	5831.9	6213.9	6292.2
52.5°	4472.4	4840.1	5483.1	5879.3	5952.9
55°	4035.8	4453.4	5129.6	5516.3	5582.8
57.5°	3630.1	4071.4	4766.6	5134.3	5174.7
60°	3229.1	3687.0	4396.5	4719.1	4733.4
62.5°	2837.6	3319.3	4016.8	4273.1	4254.1
65°	2462.8	2965.8	3630.1	3810.4	3767.7
67.5°	2102.1	2621.7	3233.9	3350.1	3293.2
70°	1760.5	2287.2	2849.5	2908.8	2856.6
72.5°	1459.2	1969.3	2460.4	2510.2	2472.3
75°	1160.2	1665.6	2102.1	2156.7	2135.4
77.5°	880.2	1371.4	1772.3	1843.5	1848.3
80°	633.5	1103.3	1485.3	1596.8	1611.0
82.5°	417.6	856.5	1245.6	1388.0	1409.3
85°	242.0	638.2	1053.4	1198.2	1219.5
87.5°	104.4	460.3	847.0	977.5	1003.6
90°	0.0	249.1	602.6	759.2	790.1
92.5°	7.1	206.4	517.2	659.6	685.7
95°	11.9	168.5	450.8	574.2	595.5
97.5°	14.2	142.4	391.5	500.6	522.0
100°	14.2	123.4	339.3	438.9	457.9
102.5°	14.2	109.1	296.6	384.4	401.0
105°	16.6	97.3	261.0	341.7	355.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.0	64.1	180.3	242.0	251.5
115°	19.0	54.6	161.3	215.9	225.4
117.5°	21.4	47.5	142.4	194.6	201.7
120°	21.4	40.3	125.7	173.2	182.7
122.5°	21.4	33.2	111.5	156.6	163.7
125°	19.0	26.1	97.3	140.0	147.1
127.5°	16.6	21.4	83.0	125.7	132.9
130°	16.6	19.0	71.2	111.5	118.6
132.5°	16.6	21.4	59.3	97.3	106.8
135°	16.6	21.4	49.8	85.4	94.9
137.5°	16.6	21.4	40.3	73.6	83.0
140°	19.0	21.4	33.2	61.7	71.2
142.5°	21.4	21.4	26.1	52.2	59.3
145°	23.7	21.4	23.7	42.7	49.8
147.5°	23.7	23.7	23.7	33.2	40.3
150°	23.7	26.1	23.7	26.1	33.2
152.5°	23.7	26.1	23.7	21.4	26.1
155°	23.7	26.1	23.7	21.4	23.7
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°	16.6	85.4	230.1	303.7	315.6
110°	16.6	75.9	204.0	270.5	282.3



(END OF REPORT)