

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: P830236

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830236
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-30SE-A-UNV-L735-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

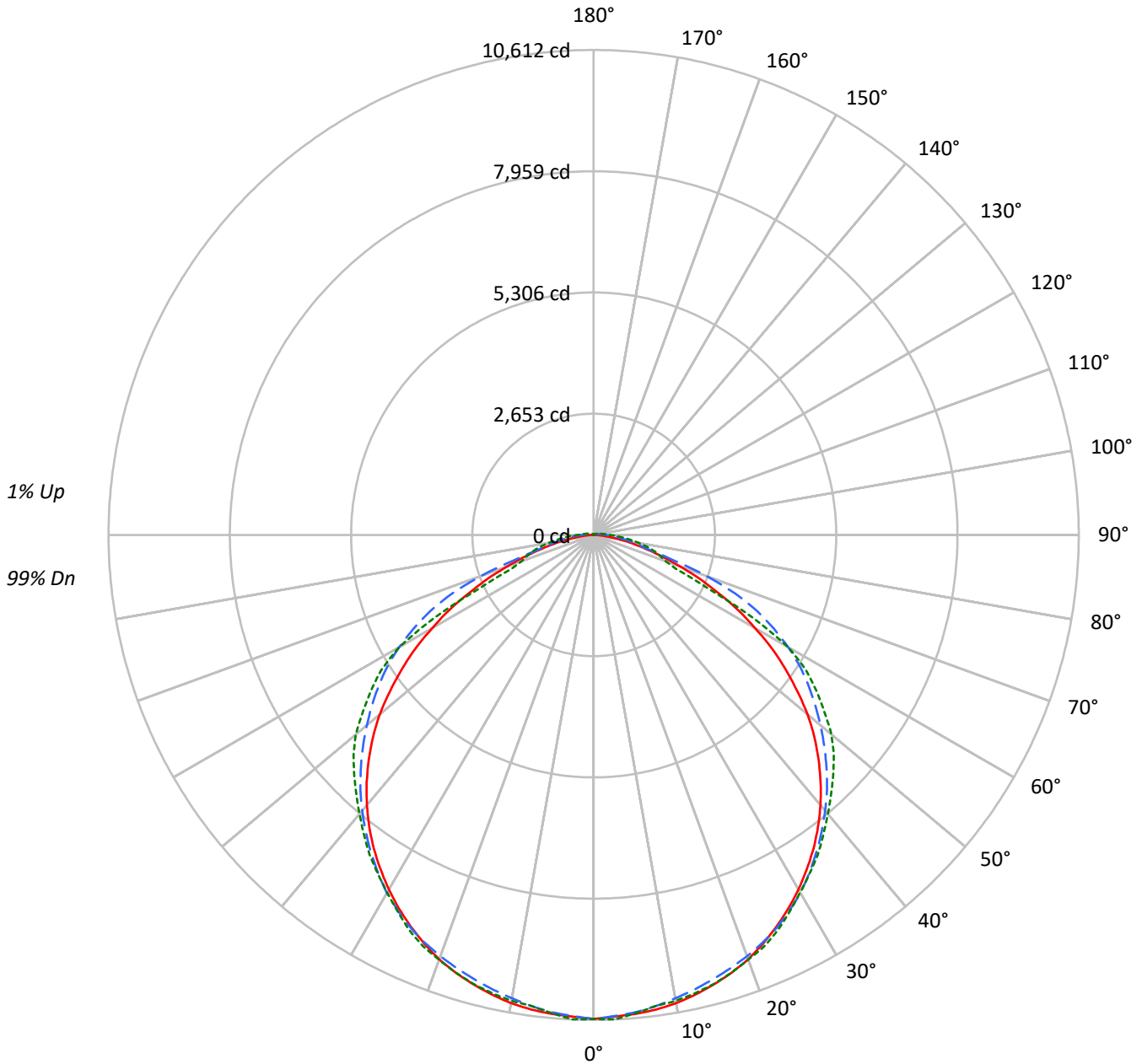
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29935.0 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
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 (Ain): 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°	18089	18089	18089
5°	17971	17819	17853
10°	17905	17541	17643
15°	17792	17331	17513
20°	17678	17196	17347
25°	17465	17059	17181
30°	17233	16849	16844
35°	16955	16520	16651
40°	16595	16180	16393
45°	16095	15788	16269
50°	15418	15341	16121
55°	14342	14900	15498
60°	12933	14260	14304
65°	11094	13084	9045
70°	8936	10193	6539
75°	6699	6033	6608
80°	4663	4992	6267
85°	2654	4534	5797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	998.6	3.3
10°-20°	2863.6	9.6
20°-30°	4373.6	14.6
30°-40°	5306.7	17.7
40°-50°	5562.0	18.6
50°-60°	5040.0	16.8
60°-70°	3379.1	11.3
70°-80°	1517.4	5.1
80°-90°	550.6	1.8
90°-100°	165.7	0.6
100°-110°	78.2	0.3
110°-120°	39.2	0.1
120°-130°	21.6	0.1
130°-140°	14.9	0.0
140°-150°	10.0	0.0
150°-160°	7.4	0.0
160°-170°	4.8	0.0
170°-180°	1.5	0.0
0°-30°	8235.9	27.5
0°-40°	13542.6	45.2
0°-60°	24144.6	80.7
0°-90°	29591.7	98.9
90°-120°	283.1	0.9
90°-150°	329.6	1.1
90°-180°	343.0	1.1
0°-180°	29935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10591	10591	10591	10591	10591	
5°	10522	10559	10485	10518	10504	###
15°	10181	10141	10069	10158	10170	2874
25°	9458	9416	9482	9570	9542	4360
35°	8383	8403	8488	8579	8545	5239
45°	6957	7070	7202	7386	7409	5359
55°	5119	5366	5732	5962	5948	4570
65°	3005	3475	3945	3329	2718	2994
75°	1182	1715	1262	1291	1375	1292
85°	204	390	501	605	634	249
90°	2	130	259	325	340	12
95°	2	81	178	216	222	2
105°	6	35	87	106	110	7
115°	12	18	44	57	60	11
125°	11	12	28	32	34	11
135°	14	15	17	24	26	11
145°	14	15	15	17	18	9
155°	15	17	17	17	15	7
165°	17	17	17	17	17	5
175°	17	17	15	14	14	2
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10591.0	10591.0	10591.0	10591.0	10591.0
2.5°	10548.1	10592.6	10537.4	10597.2	10612.5
5°	10522.1	10558.9	10485.4	10517.5	10503.7
7.5°	10474.6	10486.9	10399.6	10425.6	10398.1
10°	10404.2	10398.1	10295.5	10346.0	10352.1
12.5°	10300.1	10281.7	10189.8	10266.4	10267.9
15°	10180.6	10140.8	10068.8	10157.6	10169.9
17.5°	10042.8	9990.7	9943.3	10058.1	10039.7
20°	9882.0	9820.7	9811.6	9937.1	9891.2
22.5°	9682.9	9635.4	9656.9	9776.3	9747.2
25°	9457.8	9416.5	9482.3	9569.6	9542.0
27.5°	9220.4	9195.9	9271.0	9338.4	9284.8
30°	8960.1	8946.3	9045.9	9101.0	9033.6
32.5°	8676.8	8681.4	8776.3	8851.4	8788.6
35°	8382.8	8402.7	8488.4	8578.8	8545.1
37.5°	8059.7	8104.1	8189.8	8292.4	8257.2
40°	7718.2	7782.5	7877.4	8001.5	7969.3
42.5°	7349.1	7430.3	7552.8	7690.6	7687.5
45°	6957.1	7070.4	7202.1	7385.8	7408.8
47.5°	6549.7	6676.8	6843.7	7088.8	7124.0
50°	6107.1	6266.4	6474.7	6768.7	6790.1
52.5°	5614.0	5831.5	6107.1	6388.9	6362.9
55°	5119.4	5366.0	5732.0	5961.7	5947.9
57.5°	4626.3	4903.5	5347.6	5511.4	5509.9
60°	4075.0	4425.7	4911.1	5035.2	4912.7
62.5°	3565.1	3941.8	4445.6	4355.2	3935.6
65°	3004.6	3474.7	3944.8	3329.2	2718.2
67.5°	2506.9	2996.9	3350.7	2280.2	1952.5
70°	2006.1	2546.7	2612.5	1692.2	1669.2
72.5°	1562.0	2137.8	1802.4	1448.7	1522.2
75°	1182.2	1715.1	1261.9	1291.0	1375.2
77.5°	862.2	1317.0	981.6	1131.7	1200.6
80°	592.6	932.6	800.9	951.0	998.5
82.5°	372.1	615.6	641.6	765.7	814.7
85°	203.7	390.5	500.8	604.9	634.0
87.5°	84.2	235.8	382.8	467.1	491.6
90°	1.5	130.2	258.8	324.7	340.0
92.5°	1.5	99.5	211.3	261.9	272.6
95°	1.5	81.2	177.6	215.9	222.1
97.5°	3.1	64.3	148.5	179.2	185.3
100°	4.6	53.6	124.0	150.1	154.7
102.5°	6.1	42.9	104.1	125.6	130.2
105°	6.1	35.2	87.3	105.7	110.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.7	21.4	52.1	65.8	68.9
115°	12.3	18.4	44.4	56.7	59.7
117.5°	12.3	15.3	38.3	47.5	50.5
120°	12.3	13.8	33.7	41.3	42.9
122.5°	12.3	12.3	29.1	36.8	38.3
125°	10.7	12.3	27.6	32.2	33.7
127.5°	12.3	12.3	24.5	29.1	30.6
130°	12.3	13.8	21.4	27.6	27.6
132.5°	13.8	15.3	19.9	26.0	26.0
135°	13.8	15.3	16.8	24.5	26.0
137.5°	15.3	15.3	15.3	23.0	24.5
140°	15.3	15.3	13.8	19.9	21.4
142.5°	13.8	15.3	13.8	18.4	19.9
145°	13.8	15.3	15.3	16.8	18.4
147.5°	15.3	15.3	15.3	15.3	16.8
150°	15.3	15.3	15.3	15.3	15.3
152.5°	15.3	15.3	15.3	15.3	15.3
155°	15.3	16.8	16.8	16.8	15.3
157.5°	15.3	16.8	16.8	16.8	16.8
160°	15.3	16.8	16.8	16.8	16.8
162.5°	16.8	16.8	16.8	16.8	16.8
165°	16.8	16.8	16.8	16.8	16.8
167.5°	16.8	18.4	16.8	16.8	16.8
170°	16.8	16.8	16.8	15.3	15.3
172.5°	16.8	16.8	16.8	15.3	15.3
175°	16.8	16.8	15.3	13.8	13.8
177.5°	18.4	16.8	15.3	13.8	12.3
180°	15.3	15.3	15.3	15.3	15.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.7	29.1	75.0	90.4	93.4
110°	9.2	24.5	62.8	76.6	79.6



(END OF REPORT)