

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: P829732

Luminaire Tested: **OHBL-12SE-A-UNV-L735-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829732  
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-12SE-A-UNV-L735-CD  
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

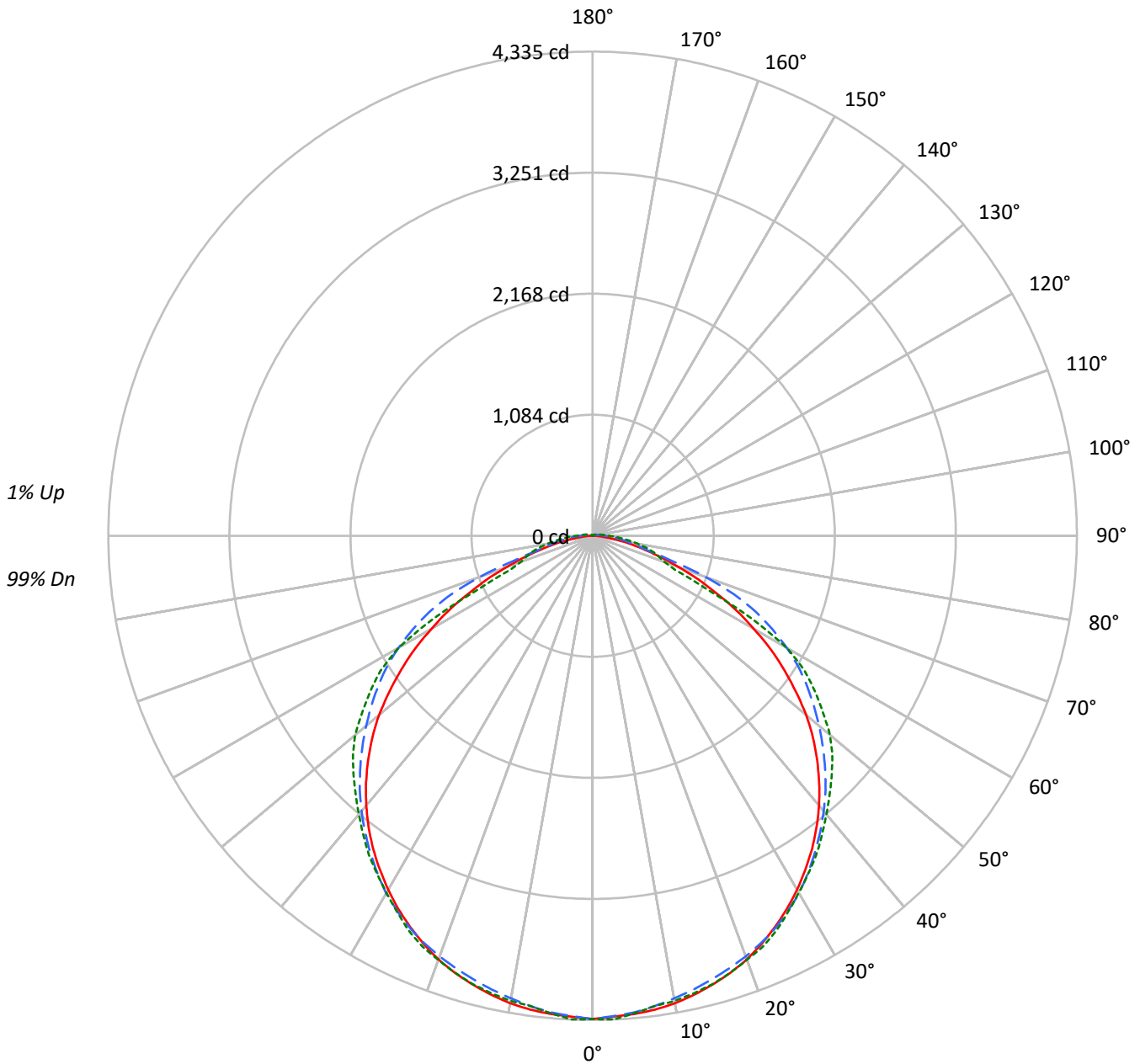
Lumens per Lamp: N/A  
Luminaire Lumens: 12228.1 lumens  
Efficiency: N/A  
Efficacy: 174.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 70  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P829732

CATALOG NUMBER: OHBL-12SE-A-UNV-L735-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P829732

CATALOG NUMBER: OHBL-12SE-A-UNV-L735-CD

**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°	14075	14075	14075
5°	13983	13787	13782
10°	13932	13498	13516
15°	13843	13263	13312
20°	13754	13086	13081
25°	13589	12906	12850
30°	13408	12668	12489
35°	13192	12338	12231
40°	12912	11996	11920
45°	12523	11609	11696
50°	11996	11176	11441
55°	11159	10737	10833
60°	10063	10140	9818
65°	8632	9150	6068
70°	6953	6973	4257
75°	5212	4001	4127
80°	3629	3159	3673
85°	2065	2637	3043



TEST NUMBER: P829732

CATALOG NUMBER: OHBL-12SE-A-UNV-L735-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.9	3.3
10°-20°	1169.7	9.6
20°-30°	1786.6	14.6
30°-40°	2167.7	17.7
40°-50°	2272.0	18.6
50°-60°	2058.8	16.8
60°-70°	1380.3	11.3
70°-80°	619.8	5.1
80°-90°	224.9	1.8
90°-100°	67.7	0.6
100°-110°	32.0	0.3
110°-120°	16.0	0.1
120°-130°	8.8	0.1
130°-140°	6.1	0.0
140°-150°	4.1	0.0
150°-160°	3.0	0.0
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-30°	3364.2	27.5
0°-40°	5532.0	45.2
0°-60°	9862.7	80.7
0°-90°	12087.8	98.9
90°-120°	115.7	0.9
90°-150°	134.7	1.1
90°-180°	140.0	1.1
0°-180°	12228.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4326	4326	4326	4326	4326	
5°	4298	4313	4283	4296	4291	409
15°	4159	4142	4113	4149	4154	1174
25°	3863	3846	3873	3909	3898	1781
35°	3424	3432	3467	3504	3490	2140
45°	2842	2888	2942	3017	3026	2189
55°	2091	2192	2341	2435	2430	1867
65°	1227	1419	1611	1360	1110	1223
75°	483	701	515	527	562	528
85°	83	160	205	247	259	102
90°	1	53	106	133	139	5
95°	1	33	73	88	91	1
105°	2	14	36	43	45	3
115°	5	8	18	23	24	5
125°	4	5	11	13	14	4
135°	6	6	7	10	11	4
145°	6	6	6	7	8	4
155°	6	7	7	7	6	3
165°	7	7	7	7	7	2
175°	7	7	6	6	6	1
180°	6	6	6	6	6	



TEST NUMBER: P829732

CATALOG NUMBER: OHBL-12SE-A-UNV-L735-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4326.3	4326.3	4326.3	4326.3	4326.3
2.5°	4308.8	4326.9	4304.4	4328.8	4335.0
5°	4298.1	4313.1	4283.1	4296.3	4290.6
7.5°	4278.7	4283.7	4248.1	4258.7	4247.5
10°	4250.0	4247.5	4205.5	4226.2	4228.7
12.5°	4207.4	4199.9	4162.4	4193.7	4194.3
15°	4158.6	4142.4	4113.0	4149.2	4154.3
17.5°	4102.3	4081.1	4061.7	4108.6	4101.1
20°	4036.6	4011.6	4007.9	4059.2	4040.4
22.5°	3955.3	3935.9	3944.7	3993.5	3981.6
25°	3863.4	3846.5	3873.4	3909.0	3897.8
27.5°	3766.4	3756.4	3787.1	3814.6	3792.7
30°	3660.1	3654.4	3695.1	3717.6	3690.1
32.5°	3544.3	3546.2	3585.0	3615.7	3590.0
35°	3424.2	3432.4	3467.4	3504.3	3490.5
37.5°	3292.2	3310.4	3345.4	3387.3	3372.9
40°	3152.8	3179.0	3217.8	3268.5	3255.3
42.5°	3002.0	3035.1	3085.2	3141.5	3140.2
45°	2841.9	2888.1	2941.9	3017.0	3026.4
47.5°	2675.5	2727.4	2795.6	2895.7	2910.0
50°	2494.7	2559.7	2644.8	2764.9	2773.7
52.5°	2293.3	2382.1	2494.7	2609.8	2599.1
55°	2091.2	2191.9	2341.4	2435.3	2429.6
57.5°	1889.8	2003.0	2184.4	2251.3	2250.7
60°	1664.6	1807.8	2006.1	2056.8	2006.8
62.5°	1456.3	1610.2	1816.0	1779.1	1607.7
65°	1227.3	1419.4	1611.4	1359.9	1110.3
67.5°	1024.0	1224.2	1368.7	931.4	797.6
70°	819.5	1040.3	1067.2	691.2	681.8
72.5°	638.1	873.3	736.3	591.8	621.8
75°	482.9	700.6	515.4	527.3	561.7
77.5°	352.2	538.0	401.0	462.3	490.4
80°	242.1	381.0	327.2	388.5	407.9
82.5°	152.0	251.5	262.1	312.8	332.8
85°	83.2	159.5	204.6	247.1	259.0
87.5°	34.4	96.3	156.4	190.8	200.8
90°	0.6	53.2	105.7	132.6	138.9
92.5°	0.6	40.7	86.3	107.0	111.3
95°	0.6	33.2	72.6	88.2	90.7
97.5°	1.3	26.3	60.7	73.2	75.7
100°	1.9	21.9	50.7	61.3	63.2
102.5°	2.5	17.5	42.5	51.3	53.2
105°	2.5	14.4	35.7	43.2	45.0



TEST NUMBER: P829732

CATALOG NUMBER: OHBL-12SE-A-UNV-L735-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	8.8	21.3	26.9	28.1
115°	5.0	7.5	18.1	23.1	24.4
117.5°	5.0	6.3	15.6	19.4	20.6
120°	5.0	5.6	13.8	16.9	17.5
122.5°	5.0	5.0	11.9	15.0	15.6
125°	4.4	5.0	11.3	13.1	13.8
127.5°	5.0	5.0	10.0	11.9	12.5
130°	5.0	5.6	8.8	11.3	11.3
132.5°	5.6	6.3	8.1	10.6	10.6
135°	5.6	6.3	6.9	10.0	10.6
137.5°	6.3	6.3	6.3	9.4	10.0
140°	6.3	6.3	5.6	8.1	8.8
142.5°	5.6	6.3	5.6	7.5	8.1
145°	5.6	6.3	6.3	6.9	7.5
147.5°	6.3	6.3	6.3	6.3	6.9
150°	6.3	6.3	6.3	6.3	6.3
152.5°	6.3	6.3	6.3	6.3	6.3
155°	6.3	6.9	6.9	6.9	6.3
157.5°	6.3	6.9	6.9	6.9	6.9
160°	6.3	6.9	6.9	6.9	6.9
162.5°	6.9	6.9	6.9	6.9	6.9
165°	6.9	6.9	6.9	6.9	6.9
167.5°	6.9	7.5	6.9	6.9	6.9
170°	6.9	6.9	6.9	6.3	6.3
172.5°	6.9	6.9	6.9	6.3	6.3
175°	6.9	6.9	6.3	5.6	5.6
177.5°	7.5	6.9	6.3	5.6	5.0
180°	6.3	6.3	6.3	6.3	6.3



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	3.1	11.9	30.7	36.9	38.2
110°	3.8	10.0	25.6	31.3	32.5



(END OF REPORT)