

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: P829735

Luminaire Tested: **OHBL-12SE-A-UNV-L830-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P829735
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-L830-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

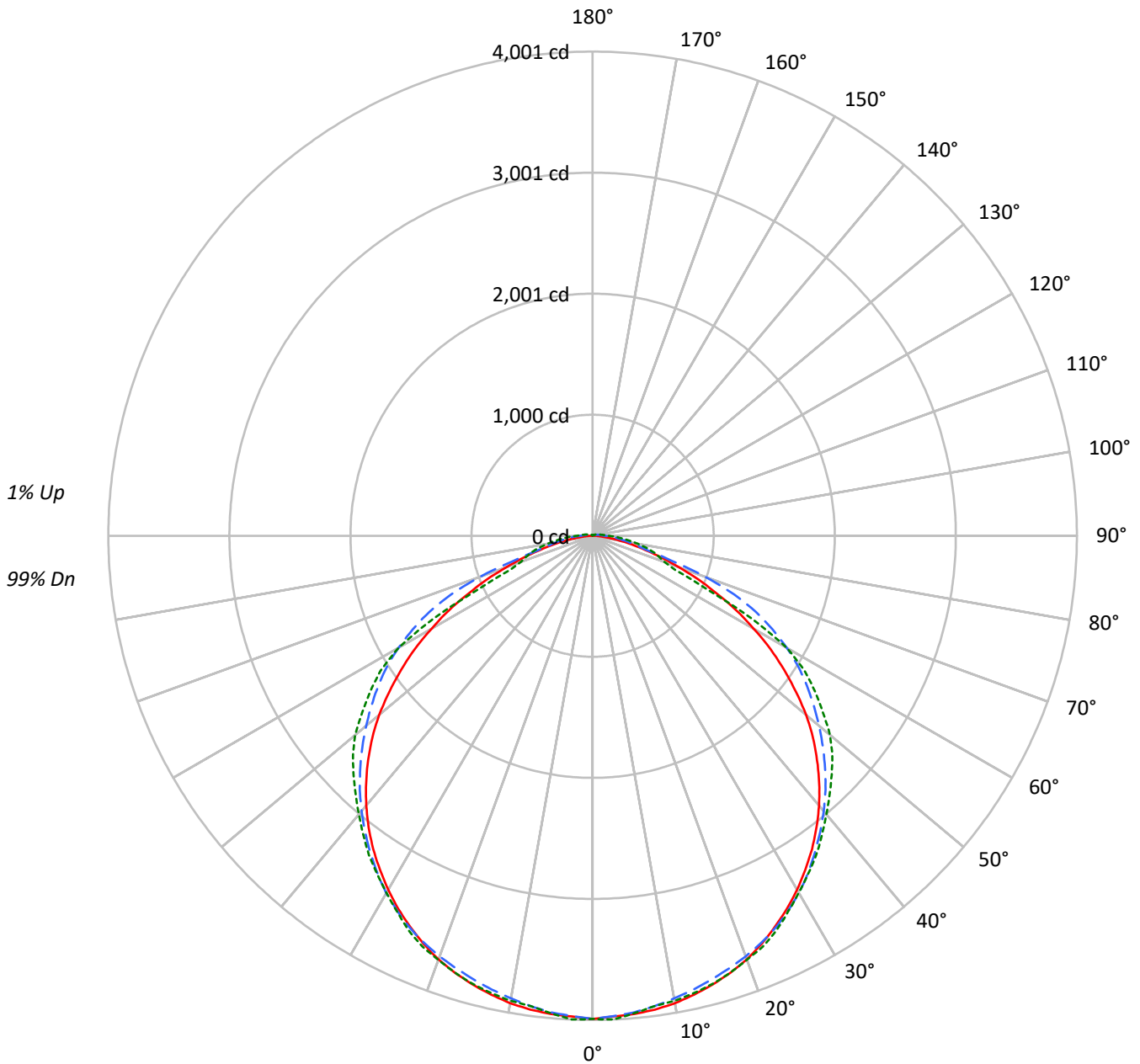
Lumens per Lamp: N/A
Luminaire Lumens: 11285.1 lumens
Efficiency: N/A
Efficacy: 161.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (A_{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	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°	12989	12989	12989
5°	12904	12724	12719
10°	12857	12457	12473
15°	12775	12240	12286
20°	12694	12077	12072
25°	12541	11911	11859
30°	12374	11691	11525
35°	12175	11386	11288
40°	11916	11071	11000
45°	11557	10714	10794
50°	11071	10314	10559
55°	10298	9909	9998
60°	9286	9358	9061
65°	7966	8444	5600
70°	6417	6435	3929
75°	4811	3693	3808
80°	3348	2914	3390
85°	1906	2433	2808



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.5	3.3
10°-20°	1079.5	9.6
20°-30°	1648.8	14.6
30°-40°	2000.5	17.7
40°-50°	2096.8	18.6
50°-60°	1900.0	16.8
60°-70°	1273.9	11.3
70°-80°	572.0	5.1
80°-90°	207.6	1.8
90°-100°	62.5	0.6
100°-110°	29.5	0.3
110°-120°	14.8	0.1
120°-130°	8.1	0.1
130°-140°	5.6	0.0
140°-150°	3.8	0.0
150°-160°	2.8	0.0
160°-170°	1.8	0.0
170°-180°	0.6	0.0
0°-30°	3104.8	27.5
0°-40°	5105.3	45.2
0°-60°	9102.1	80.7
0°-90°	11155.6	98.9
90°-120°	106.8	0.9
90°-150°	124.3	1.1
90°-180°	129.0	1.1
0°-180°	11285.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3993	3993	3993	3993	3993	
5°	3967	3980	3953	3965	3960	377
15°	3838	3823	3796	3829	3834	1084
25°	3565	3550	3575	3608	3597	1643
35°	3160	3168	3200	3234	3221	1975
45°	2623	2665	2715	2784	2793	2020
55°	1930	2023	2161	2247	2242	1723
65°	1133	1310	1487	1255	1025	1129
75°	446	647	476	487	518	487
85°	77	147	189	228	239	94
90°	1	49	98	122	128	5
95°	1	31	67	81	84	1
105°	2	13	33	40	42	3
115°	5	7	17	21	22	4
125°	4	5	10	12	13	4
135°	5	6	6	9	10	4
145°	5	6	6	6	7	3
155°	6	6	6	6	6	3
165°	6	6	6	6	6	2
175°	6	6	6	5	5	1
180°	6	6	6	6	6	



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CATALOG NUMBER: OHBL-12SE-A-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3992.6	3992.6	3992.6	3992.6	3992.6
2.5°	3976.5	3993.2	3972.4	3995.0	4000.7
5°	3966.7	3980.5	3952.8	3964.9	3959.7
7.5°	3948.8	3953.4	3920.5	3930.3	3919.9
10°	3922.2	3919.9	3881.2	3900.3	3902.6
12.5°	3883.0	3876.0	3841.4	3870.3	3870.8
15°	3837.9	3822.9	3795.8	3829.3	3833.9
17.5°	3786.0	3766.3	3748.4	3791.7	3784.8
20°	3725.4	3702.3	3698.8	3746.1	3728.8
22.5°	3650.3	3632.4	3640.5	3685.5	3674.5
25°	3565.4	3549.8	3574.7	3607.6	3597.2
27.5°	3476.0	3466.7	3495.0	3520.4	3500.2
30°	3377.8	3372.6	3410.1	3430.9	3405.5
32.5°	3271.0	3272.7	3308.5	3336.8	3313.2
35°	3160.2	3167.7	3200.0	3234.1	3221.4
37.5°	3038.4	3055.1	3087.4	3126.1	3112.8
40°	2909.6	2933.9	2969.7	3016.4	3004.3
42.5°	2770.5	2801.1	2847.3	2899.2	2898.1
45°	2622.7	2665.4	2715.1	2784.3	2793.0
47.5°	2469.1	2517.1	2580.0	2672.3	2685.6
50°	2302.3	2362.3	2440.8	2551.7	2559.8
52.5°	2116.4	2198.4	2302.3	2408.5	2398.7
55°	1929.9	2022.9	2160.9	2247.4	2242.3
57.5°	1744.0	1848.5	2015.9	2077.7	2077.1
60°	1536.2	1668.4	1851.4	1898.2	1852.0
62.5°	1344.0	1486.0	1675.9	1641.9	1483.7
65°	1132.7	1309.9	1487.1	1255.1	1024.7
67.5°	945.0	1129.8	1263.1	859.6	736.1
70°	756.3	960.1	984.9	637.9	629.3
72.5°	588.9	805.9	679.5	546.1	573.8
75°	445.7	646.6	475.7	486.7	518.4
77.5°	325.0	496.5	370.1	426.6	452.6
80°	223.4	351.6	301.9	358.5	376.4
82.5°	140.3	232.1	241.9	288.7	307.1
85°	76.8	147.2	188.8	228.0	239.0
87.5°	31.8	88.9	144.3	176.1	185.3
90°	0.6	49.1	97.6	122.4	128.2
92.5°	0.6	37.5	79.7	98.7	102.8
95°	0.6	30.6	67.0	81.4	83.7
97.5°	1.2	24.2	56.0	67.5	69.9
100°	1.7	20.2	46.8	56.6	58.3
102.5°	2.3	16.2	39.3	47.3	49.1
105°	2.3	13.3	32.9	39.8	41.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.0	8.1	19.6	24.8	26.0
115°	4.6	6.9	16.7	21.4	22.5
117.5°	4.6	5.8	14.4	17.9	19.1
120°	4.6	5.2	12.7	15.6	16.2
122.5°	4.6	4.6	11.0	13.9	14.4
125°	4.0	4.6	10.4	12.1	12.7
127.5°	4.6	4.6	9.2	11.0	11.5
130°	4.6	5.2	8.1	10.4	10.4
132.5°	5.2	5.8	7.5	9.8	9.8
135°	5.2	5.8	6.4	9.2	9.8
137.5°	5.8	5.8	5.8	8.7	9.2
140°	5.8	5.8	5.2	7.5	8.1
142.5°	5.2	5.8	5.2	6.9	7.5
145°	5.2	5.8	5.8	6.4	6.9
147.5°	5.8	5.8	5.8	5.8	6.4
150°	5.8	5.8	5.8	5.8	5.8
152.5°	5.8	5.8	5.8	5.8	5.8
155°	5.8	6.4	6.4	6.4	5.8
157.5°	5.8	6.4	6.4	6.4	6.4
160°	5.8	6.4	6.4	6.4	6.4
162.5°	6.4	6.4	6.4	6.4	6.4
165°	6.4	6.4	6.4	6.4	6.4
167.5°	6.4	6.9	6.4	6.4	6.4
170°	6.4	6.4	6.4	5.8	5.8
172.5°	6.4	6.4	6.4	5.8	5.8
175°	6.4	6.4	5.8	5.2	5.2
177.5°	6.9	6.4	5.8	5.2	4.6
180°	5.8	5.8	5.8	5.8	5.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.9	11.0	28.3	34.1	35.2
110°	3.5	9.2	23.7	28.9	30.0



(END OF REPORT)