

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: P829795

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-W-UNV-L830-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

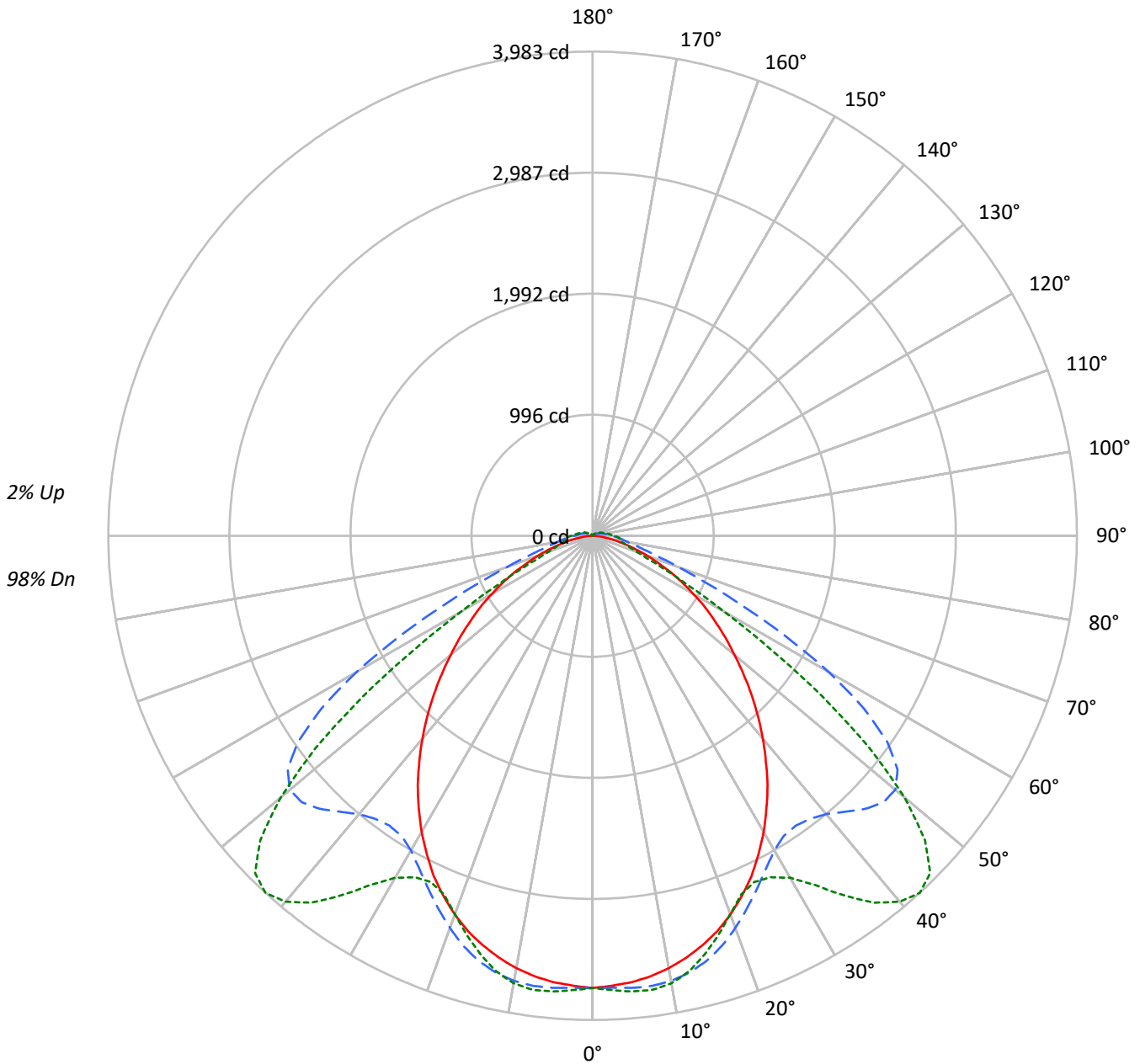
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11138.9 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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				20				20
RC	80				70				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	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12103	12103	12103
5°	11990	12020	12087
10°	11840	11935	11949
15°	11609	11673	11420
20°	11293	11208	10719
25°	10869	10662	10362
30°	10306	10242	10991
35°	9663	10362	12662
40°	8918	11140	14389
45°	8139	12533	15171
50°	7325	13730	13809
55°	6561	13563	10278
60°	5783	11323	6086
65°	4962	7688	3540
70°	4032	4861	2421
75°	3067	3377	2075
80°	2202	2828	2068
85°	1494	2855	2574



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.5	3.2
10°-20°	1006.7	9.0
20°-30°	1473.1	13.2
30°-40°	1913.2	17.2
40°-50°	2336.2	21.0
50°-60°	2057.4	18.5
60°-70°	1072.1	9.6
70°-80°	459.8	4.1
80°-90°	220.8	2.0
90°-100°	103.7	0.9
100°-110°	64.5	0.6
110°-120°	38.1	0.3
120°-130°	20.7	0.2
130°-140°	10.4	0.1
140°-150°	5.0	0.0
150°-160°	1.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2835.3	25.5
0°-40°	4748.5	42.6
0°-60°	9142.1	82.1
0°-90°	10894.8	97.8
90°-120°	206.3	1.9
90°-150°	242.4	2.2
90°-180°	244.0	2.2
0°-180°	11138.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3720	3720	3720	3720	3720	
5°	3686	3714	3734	3767	3763	350
15°	3488	3585	3620	3593	3564	982
25°	3090	3256	3200	3140	3143	1418
35°	2508	2773	2912	3396	3614	1563
45°	1847	2324	3176	3845	3926	1424
55°	1230	2036	2958	2593	2305	1104
65°	706	1410	1354	753	648	698
75°	284	660	435	298	282	310
85°	60	235	222	217	219	67
90°	1	85	146	167	171	4
95°	2	50	116	136	140	1
105°	3	28	75	91	92	3
115°	5	16	47	57	59	5
125°	6	8	27	35	36	5
135°	5	5	13	22	22	4
145°	6	5	6	10	12	4
155°	6	6	5	5	5	2
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°	3720.2	3720.2	3720.2	3720.2	3720.2
2.5°	3704.2	3720.2	3721.0	3743.5	3741.1
5°	3685.7	3713.8	3733.9	3766.8	3762.8
7.5°	3655.2	3699.4	3734.7	3770.8	3767.6
10°	3611.9	3672.1	3718.6	3748.3	3738.7
12.5°	3555.7	3635.1	3680.9	3687.3	3668.9
15°	3487.5	3585.4	3619.9	3592.6	3563.7
17.5°	3410.4	3525.2	3537.2	3477.8	3441.7
20°	3314.1	3444.9	3432.9	3351.0	3310.9
22.5°	3207.3	3356.6	3318.1	3232.2	3193.7
25°	3090.2	3255.5	3200.1	3139.9	3143.1
27.5°	2952.9	3140.7	3086.9	3114.2	3165.6
30°	2813.2	3020.3	2987.4	3146.3	3247.5
32.5°	2659.9	2896.7	2926.4	3240.2	3405.6
35°	2508.2	2773.1	2912.0	3396.0	3613.5
37.5°	2340.5	2647.9	2935.2	3575.7	3803.7
40°	2177.6	2525.9	2988.2	3737.1	3929.7
42.5°	2011.4	2416.7	3077.3	3832.6	3982.7
45°	1846.9	2323.6	3176.0	3845.4	3925.7
47.5°	1682.3	2245.0	3244.3	3743.5	3706.6
50°	1523.4	2175.1	3249.1	3498.7	3347.8
52.5°	1374.9	2110.9	3160.8	3108.6	2874.2
55°	1229.6	2035.5	2957.7	2593.3	2305.2
57.5°	1097.2	1931.1	2644.7	2039.5	1724.9
60°	956.7	1789.9	2240.2	1492.1	1244.1
62.5°	827.5	1614.1	1786.7	1038.6	894.1
65°	705.5	1410.2	1354.0	752.9	647.7
67.5°	576.3	1199.1	999.3	549.0	481.6
70°	475.2	1003.3	744.0	427.0	387.7
72.5°	371.6	817.1	556.2	346.7	325.1
75°	284.1	659.8	435.0	297.8	282.5
77.5°	209.5	521.7	349.9	263.3	248.8
80°	146.9	411.0	293.0	235.2	229.6
82.5°	98.7	317.8	249.6	223.9	224.7
85°	60.2	235.2	221.5	216.7	219.1
87.5°	28.9	166.9	190.2	197.4	199.9
90°	0.8	85.1	146.1	166.9	171.0
92.5°	0.0	65.0	128.4	149.3	153.3
95°	1.6	49.8	116.4	136.4	140.5
97.5°	1.6	40.9	104.3	125.2	127.6
100°	2.4	35.3	93.1	113.2	115.6
102.5°	2.4	31.3	83.5	101.1	102.7
105°	3.2	28.1	75.4	90.7	92.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.8	19.3	53.0	64.2	65.8
115°	4.8	16.1	46.6	57.0	58.6
117.5°	5.6	14.4	40.9	50.6	51.4
120°	5.6	12.0	35.3	44.9	45.8
122.5°	5.6	9.6	31.3	40.1	40.9
125°	5.6	8.0	27.3	35.3	36.1
127.5°	4.8	5.6	23.3	31.3	32.1
130°	4.8	4.8	19.3	27.3	28.9
132.5°	4.8	4.8	16.1	24.1	25.7
135°	4.8	4.8	12.8	21.7	22.5
137.5°	4.8	4.8	10.4	18.5	20.1
140°	4.8	4.8	8.0	16.1	16.9
142.5°	5.6	4.8	7.2	13.6	14.4
145°	6.4	4.8	5.6	10.4	12.0
147.5°	6.4	5.6	5.6	8.8	9.6
150°	6.4	6.4	4.8	6.4	8.0
152.5°	6.4	6.4	4.8	4.8	6.4
155°	6.4	6.4	4.8	4.8	4.8
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°	4.0	24.9	67.4	81.1	82.7
110°	4.0	21.7	59.4	72.2	73.8



(END OF REPORT)