

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: P829793

Luminaire Tested: **OHBL-12SE-W-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829793
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-L740-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

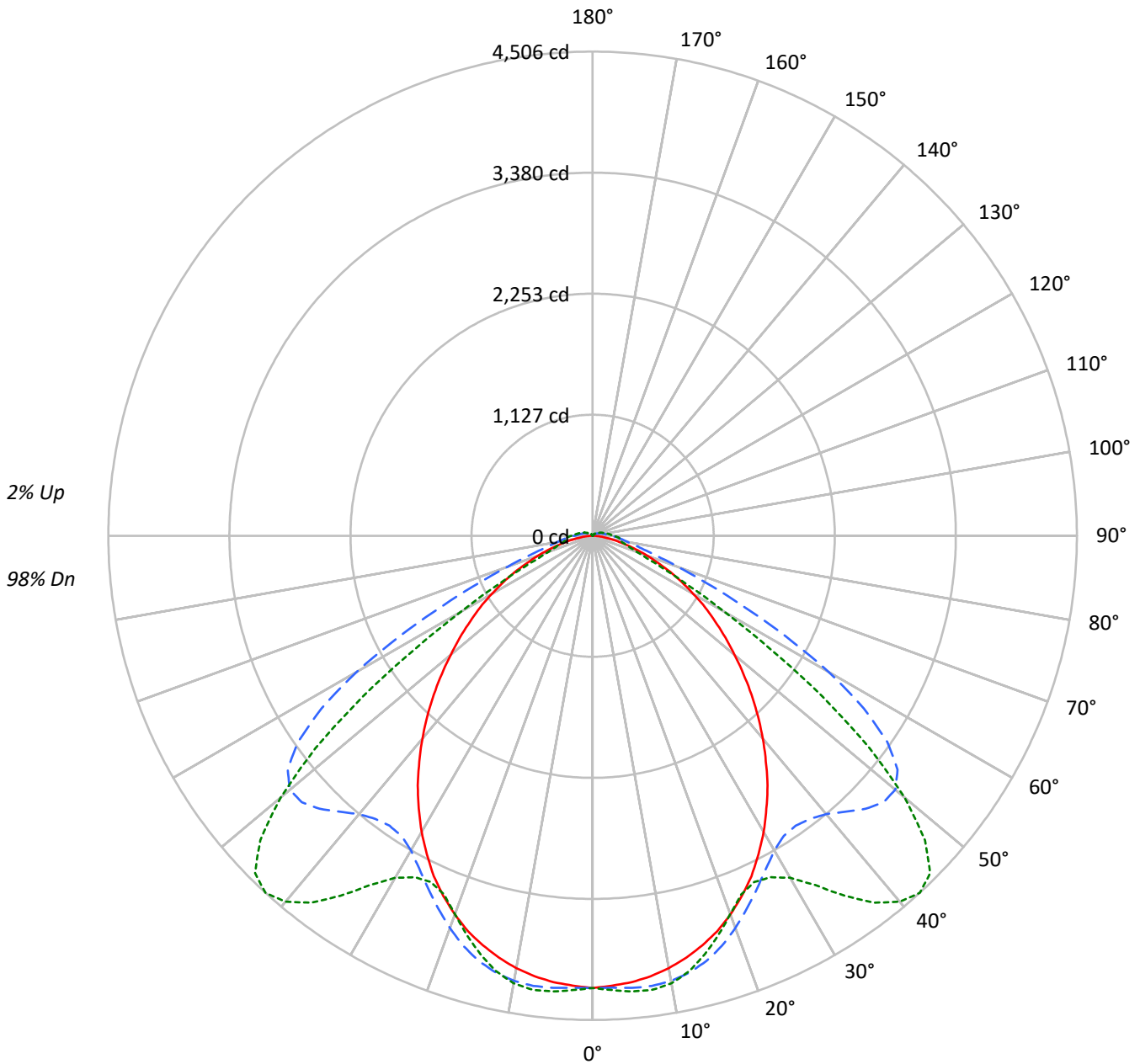
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12602.0 lumens
Efficiency: N/A
Efficacy: 180.0 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									
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	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13693	13693	13693
5°	13565	13598	13674
10°	13395	13503	13519
15°	13134	13206	12920
20°	12776	12681	12127
25°	12297	12063	11723
30°	11659	11587	12434
35°	10933	11722	14325
40°	10089	12603	16279
45°	9207	14180	17164
50°	8288	15533	15623
55°	7423	15344	11628
60°	6543	12810	6886
65°	5614	8698	4005
70°	4561	5500	2739
75°	3470	3821	2348
80°	2491	3199	2339
85°	1690	3230	2912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.2	3.2
10°-20°	1138.9	9.0
20°-30°	1666.6	13.2
30°-40°	2164.4	17.2
40°-50°	2643.1	21.0
50°-60°	2327.6	18.5
60°-70°	1212.9	9.6
70°-80°	520.2	4.1
80°-90°	249.8	2.0
90°-100°	117.4	0.9
100°-110°	72.9	0.6
110°-120°	43.1	0.3
120°-130°	23.4	0.2
130°-140°	11.8	0.1
140°-150°	5.7	0.0
150°-160°	2.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3207.7	25.5
0°-40°	5372.2	42.6
0°-60°	10342.8	82.1
0°-90°	12325.7	97.8
90°-120°	233.4	1.9
90°-150°	274.3	2.2
90°-180°	276.0	2.2
0°-180°	12602.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4209	4209	4209	4209	4209	
5°	4170	4202	4224	4262	4257	395
15°	3946	4056	4095	4064	4032	1111
25°	3496	3683	3620	3552	3556	1604
35°	2838	3137	3294	3842	4088	1769
45°	2089	2629	3593	4350	4441	1611
55°	1391	2303	3346	2934	2608	1249
65°	798	1596	1532	852	733	790
75°	322	746	492	337	320	351
85°	68	266	251	245	248	76
90°	1	96	165	189	193	5
95°	2	56	132	154	159	1
105°	4	32	85	103	104	4
115°	5	18	53	64	66	6
125°	6	9	31	40	41	5
135°	5	5	14	24	25	4
145°	7	5	6	12	14	4
155°	7	7	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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CATALOG NUMBER: OHBL-12SE-W-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4208.8	4208.8	4208.8	4208.8	4208.8
2.5°	4190.7	4208.8	4209.7	4235.2	4232.4
5°	4169.8	4201.6	4224.3	4261.5	4257.0
7.5°	4135.3	4185.2	4225.2	4266.0	4262.4
10°	4086.3	4154.4	4207.0	4240.6	4229.7
12.5°	4022.7	4112.6	4164.3	4171.6	4150.7
15°	3945.5	4056.3	4095.3	4064.5	4031.8
17.5°	3858.3	3988.2	4001.8	3934.6	3893.7
20°	3749.4	3897.4	3883.8	3791.1	3745.7
22.5°	3628.6	3797.5	3753.9	3656.7	3613.2
25°	3496.0	3683.1	3620.4	3552.3	3555.9
27.5°	3340.7	3553.2	3492.4	3523.3	3581.4
30°	3182.7	3417.0	3379.8	3559.6	3674.0
32.5°	3009.3	3277.2	3310.8	3665.8	3852.9
35°	2837.7	3137.3	3294.4	3842.0	4088.1
37.5°	2647.9	2995.7	3320.8	4045.4	4303.3
40°	2463.6	2857.7	3380.7	4227.9	4445.8
42.5°	2275.6	2734.2	3481.5	4336.0	4505.8
45°	2089.4	2628.8	3593.2	4350.5	4441.3
47.5°	1903.3	2539.8	3670.4	4235.2	4193.4
50°	1723.5	2460.8	3675.8	3958.2	3787.5
52.5°	1555.5	2388.2	3575.9	3516.9	3251.7
55°	1391.1	2302.8	3346.2	2933.9	2607.9
57.5°	1241.3	2184.8	2992.0	2307.4	1951.4
60°	1082.4	2025.0	2534.4	1688.1	1407.5
62.5°	936.2	1826.1	2021.3	1175.0	1011.6
65°	798.2	1595.5	1531.9	851.8	732.8
67.5°	652.0	1356.6	1130.5	621.1	544.8
70°	537.6	1135.1	841.8	483.1	438.6
72.5°	420.4	924.4	629.3	392.3	367.8
75°	321.5	746.4	492.2	336.9	319.6
77.5°	237.0	590.2	395.9	297.8	281.5
80°	166.2	464.9	331.4	266.1	259.7
82.5°	111.7	359.6	282.4	253.3	254.3
85°	68.1	266.1	250.6	245.2	247.9
87.5°	32.7	188.9	215.2	223.4	226.1
90°	0.9	96.3	165.3	188.9	193.4
92.5°	0.0	73.6	145.3	168.9	173.4
95°	1.8	56.3	131.7	154.4	158.9
97.5°	1.8	46.3	118.0	141.7	144.4
100°	2.7	40.0	105.3	128.0	130.8
102.5°	2.7	35.4	94.4	114.4	116.2
105°	3.6	31.8	85.4	102.6	104.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	21.8	59.9	72.6	74.5
115°	5.4	18.2	52.7	64.5	66.3
117.5°	6.4	16.3	46.3	57.2	58.1
120°	6.4	13.6	40.0	50.9	51.8
122.5°	6.4	10.9	35.4	45.4	46.3
125°	6.4	9.1	30.9	40.0	40.9
127.5°	5.4	6.4	26.3	35.4	36.3
130°	5.4	5.4	21.8	30.9	32.7
132.5°	5.4	5.4	18.2	27.2	29.1
135°	5.4	5.4	14.5	24.5	25.4
137.5°	5.4	5.4	11.8	20.9	22.7
140°	5.4	5.4	9.1	18.2	19.1
142.5°	6.4	5.4	8.2	15.4	16.3
145°	7.3	5.4	6.4	11.8	13.6
147.5°	7.3	6.4	6.4	10.0	10.9
150°	7.3	7.3	5.4	7.3	9.1
152.5°	7.3	7.3	5.4	5.4	7.3
155°	7.3	7.3	5.4	5.4	5.4
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°	4.5	28.1	76.3	91.7	93.5
110°	4.5	24.5	67.2	81.7	83.5



(END OF REPORT)