

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: P830531

Luminaire Tested: **OHBL-48SE-A-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830531
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-48SE-A-UNV-L930-CD
Description: 48000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

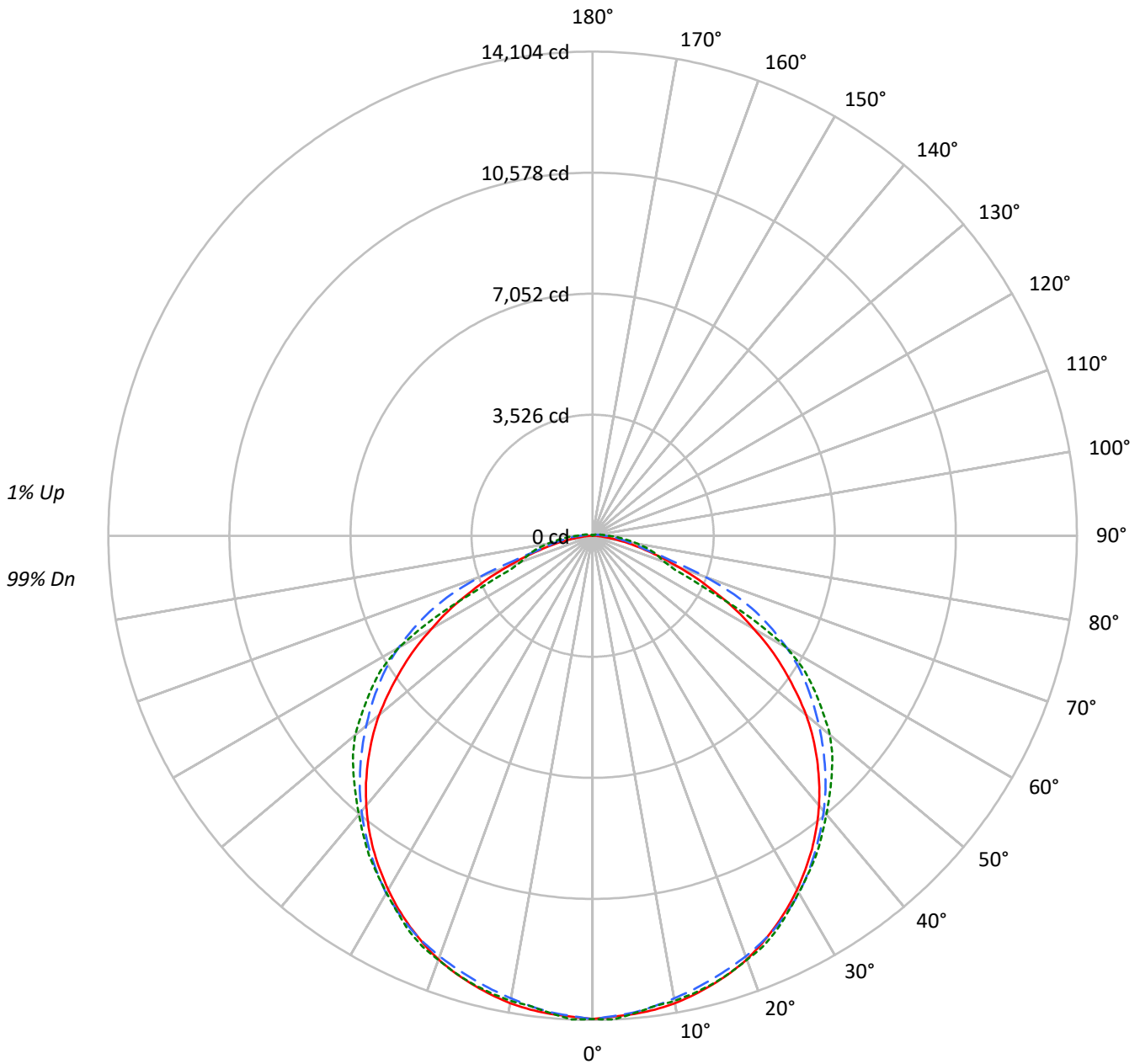
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39784.1 lumens
Efficiency: N/A
Efficacy: 137.8 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): 288.8
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

TEST NUMBER: P830531
CATALOG NUMBER: OHBL-48SE-A-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830531

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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°	24041	24041	24041
5°	23884	23681	23726
10°	23796	23312	23448
15°	23645	23033	23276
20°	23494	22853	23054
25°	23211	22672	22834
30°	22902	22393	22385
35°	22534	21956	22129
40°	22054	21504	21786
45°	21390	20982	21621
50°	20490	20389	21425
55°	19060	19802	20597
60°	17187	18951	19010
65°	14744	17388	12021
70°	11876	13547	8690
75°	8904	8018	8782
80°	6197	6635	8328
85°	3527	6025	7704



TEST NUMBER: P830531

CATALOG NUMBER: OHBL-48SE-A-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1327.2	3.3
10°-20°	3805.8	9.6
20°-30°	5812.6	14.6
30°-40°	7052.7	17.7
40°-50°	7391.9	18.6
50°-60°	6698.2	16.8
60°-70°	4490.9	11.3
70°-80°	2016.6	5.1
80°-90°	731.8	1.8
90°-100°	220.3	0.6
100°-110°	103.9	0.3
110°-120°	52.1	0.1
120°-130°	28.7	0.1
130°-140°	19.8	0.0
140°-150°	13.3	0.0
150°-160°	9.9	0.0
160°-170°	6.3	0.0
170°-180°	2.0	0.0
0°-30°	10945.6	27.5
0°-40°	17998.3	45.2
0°-60°	32088.4	80.7
0°-90°	39327.7	98.9
90°-120°	376.3	0.9
90°-150°	438.1	1.1
90°-180°	456.0	1.1
0°-180°	39784.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14076	14076	14076	14076	14076	
5°	13984	14033	13935	13978	13960	###
15°	13530	13477	13382	13500	13516	3820
25°	12570	12515	12602	12718	12682	5794
35°	11141	11167	11281	11401	11357	6963
45°	9246	9397	9572	9816	9846	7123
55°	6804	7131	7618	7923	7905	6073
65°	3993	4618	5243	4425	3612	3979
75°	1571	2280	1677	1716	1828	1717
85°	271	519	666	804	843	330
90°	2	173	344	432	452	16
95°	2	108	236	287	295	3
105°	8	47	116	140	146	9
115°	16	24	59	75	79	15
125°	14	16	37	43	45	14
135°	18	20	22	33	35	15
145°	18	20	20	22	24	12
155°	20	22	22	22	20	9
165°	22	22	22	22	22	6
175°	22	22	20	18	18	2
180°	20	20	20	20	20	



TEST NUMBER: P830531

CATALOG NUMBER: OHBL-48SE-A-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14075.6	14075.6	14075.6	14075.6	14075.6
2.5°	14018.6	14077.6	14004.4	14083.8	14104.1
5°	13984.0	14032.9	13935.2	13977.9	13959.6
7.5°	13920.9	13937.2	13821.2	13855.8	13819.2
10°	13827.3	13819.2	13682.8	13750.0	13758.1
12.5°	13688.9	13664.5	13542.4	13644.1	13646.2
15°	13530.2	13477.3	13381.6	13499.6	13515.9
17.5°	13347.0	13277.8	13214.7	13367.4	13342.9
20°	13133.3	13051.9	13039.7	13206.6	13145.5
22.5°	12868.7	12805.6	12834.1	12992.9	12954.2
25°	12569.5	12514.6	12602.1	12718.1	12681.5
27.5°	12254.1	12221.5	12321.2	12410.8	12339.6
30°	11908.1	11889.8	12022.1	12095.3	12005.8
32.5°	11531.6	11537.7	11663.9	11763.6	11680.2
35°	11140.8	11167.3	11281.2	11401.3	11356.6
37.5°	10711.4	10770.4	10884.4	11020.7	10973.9
40°	10257.5	10343.0	10469.2	10634.0	10591.3
42.5°	9767.0	9874.9	10037.7	10220.9	10216.8
45°	9246.0	9396.6	9571.7	9815.9	9846.4
47.5°	8704.7	8873.6	9095.4	9421.1	9467.9
50°	8116.5	8328.1	8604.9	8995.7	9024.2
52.5°	7461.1	7750.1	8116.5	8491.0	8456.4
55°	6803.8	7131.4	7617.8	7923.1	7904.8
57.5°	6148.4	6516.8	7107.0	7324.8	7322.7
60°	5415.7	5881.8	6527.0	6691.8	6529.0
62.5°	4738.0	5238.7	5908.3	5788.2	5230.5
65°	3993.1	4617.9	5242.7	4424.6	3612.5
67.5°	3331.7	3982.9	4453.1	3030.4	2594.9
70°	2666.1	3384.6	3472.1	2248.9	2218.4
72.5°	2075.9	2841.2	2395.5	1925.3	2023.0
75°	1571.2	2279.5	1677.0	1715.7	1827.6
77.5°	1145.8	1750.3	1304.6	1504.0	1595.6
80°	787.6	1239.5	1064.4	1263.9	1327.0
82.5°	494.6	818.2	852.8	1017.6	1082.7
85°	270.7	519.0	665.5	803.9	842.6
87.5°	111.9	313.4	508.8	620.7	653.3
90°	2.0	173.0	344.0	431.5	451.8
92.5°	2.0	132.3	280.9	348.0	362.3
95°	2.0	107.9	236.1	287.0	295.1
97.5°	4.1	85.5	197.4	238.1	246.3
100°	6.1	71.2	164.9	199.5	205.6
102.5°	8.1	57.0	138.4	166.9	173.0
105°	8.1	46.8	116.0	140.4	146.5



TEST NUMBER: P830531

CATALOG NUMBER: OHBL-48SE-A-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.2	28.5	69.2	87.5	91.6
115°	16.3	24.4	59.0	75.3	79.4
117.5°	16.3	20.4	50.9	63.1	67.2
120°	16.3	18.3	44.8	55.0	57.0
122.5°	16.3	16.3	38.7	48.8	50.9
125°	14.2	16.3	36.6	42.7	44.8
127.5°	16.3	16.3	32.6	38.7	40.7
130°	16.3	18.3	28.5	36.6	36.6
132.5°	18.3	20.4	26.5	34.6	34.6
135°	18.3	20.4	22.4	32.6	34.6
137.5°	20.4	20.4	20.4	30.5	32.6
140°	20.4	20.4	18.3	26.5	28.5
142.5°	18.3	20.4	18.3	24.4	26.5
145°	18.3	20.4	20.4	22.4	24.4
147.5°	20.4	20.4	20.4	20.4	22.4
150°	20.4	20.4	20.4	20.4	20.4
152.5°	20.4	20.4	20.4	20.4	20.4
155°	20.4	22.4	22.4	22.4	20.4
157.5°	20.4	22.4	22.4	22.4	22.4
160°	20.4	22.4	22.4	22.4	22.4
162.5°	22.4	22.4	22.4	22.4	22.4
165°	22.4	22.4	22.4	22.4	22.4
167.5°	22.4	24.4	22.4	22.4	22.4
170°	22.4	22.4	22.4	20.4	20.4
172.5°	22.4	22.4	22.4	20.4	20.4
175°	22.4	22.4	20.4	18.3	18.3
177.5°	24.4	22.4	20.4	18.3	16.3
180°	20.4	20.4	20.4	20.4	20.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	10.2	38.7	99.7	120.1	<i>124.1</i>
110°	12.2	32.6	83.4	101.8	<i>105.8</i>



(END OF REPORT)