

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: P829823

Luminaire Tested: **OHBL-15SE-MCL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829823
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-15SE-MCL-UNV-L930-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

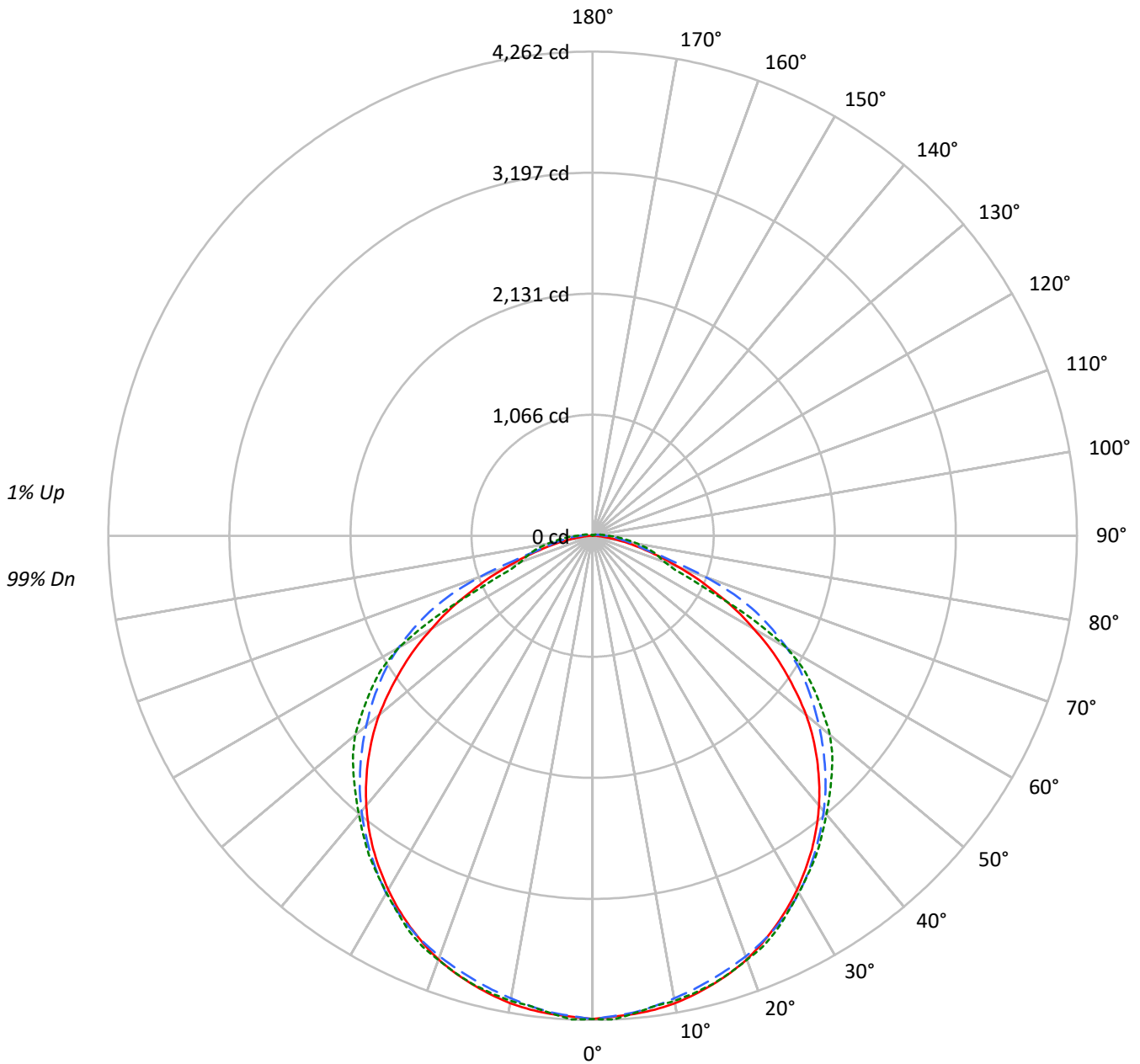
Lumens per Lamp: N/A
Luminaire Lumens: 12022.1 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 87
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: P829823

CATALOG NUMBER: OHBL-15SE-MCL-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P829823

CATALOG NUMBER: OHBL-15SE-MCL-UNV-L930-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°	13838	13838	13838
5°	13747	13555	13550
10°	13697	13271	13288
15°	13610	13040	13088
20°	13523	12865	12861
25°	13360	12688	12634
30°	13182	12455	12278
35°	12970	12130	12025
40°	12694	11794	11719
45°	12312	11414	11499
50°	11794	10988	11248
55°	10971	10556	10651
60°	9893	9969	9652
65°	8486	8996	5966
70°	6836	6856	4186
75°	5125	3935	4057
80°	3567	3105	3611
85°	2030	2592	2991



TEST NUMBER: P829823

CATALOG NUMBER: OHBL-15SE-MCL-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	3.3
10°-20°	1150.0	9.6
20°-30°	1756.5	14.6
30°-40°	2131.2	17.7
40°-50°	2233.7	18.6
50°-60°	2024.1	16.8
60°-70°	1357.1	11.3
70°-80°	609.4	5.1
80°-90°	221.1	1.8
90°-100°	66.6	0.6
100°-110°	31.4	0.3
110°-120°	15.7	0.1
120°-130°	8.7	0.1
130°-140°	6.0	0.0
140°-150°	4.0	0.0
150°-160°	3.0	0.0
160°-170°	1.9	0.0
170°-180°	0.6	0.0
0°-30°	3307.6	27.5
0°-40°	5438.8	45.2
0°-60°	9696.5	80.7
0°-90°	11884.1	98.9
90°-120°	113.7	0.9
90°-150°	132.4	1.1
90°-180°	138.0	1.1
0°-180°	12022.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4253	4253	4253	4253	4253	
5°	4226	4240	4211	4224	4218	402
15°	4089	4073	4044	4079	4084	1154
25°	3798	3782	3808	3843	3832	1751
35°	3367	3374	3409	3445	3432	2104
45°	2794	2840	2892	2966	2975	2152
55°	2056	2155	2302	2394	2389	1835
65°	1207	1396	1584	1337	1092	1202
75°	475	689	507	518	552	519
85°	82	157	201	243	255	100
90°	1	52	104	130	136	5
95°	1	33	71	87	89	1
105°	2	14	35	42	44	3
115°	5	7	18	23	24	5
125°	4	5	11	13	14	4
135°	6	6	7	10	10	4
145°	6	6	6	7	7	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: P829823

CATALOG NUMBER: OHBL-15SE-MCL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4253.4	4253.4	4253.4	4253.4	4253.4
2.5°	4236.2	4254.0	4231.9	4255.9	4262.0
5°	4225.7	4240.5	4211.0	4223.9	4218.3
7.5°	4206.7	4211.6	4176.5	4187.0	4175.9
10°	4178.4	4175.9	4134.7	4155.0	4157.5
12.5°	4136.5	4129.2	4092.3	4123.0	4123.6
15°	4088.6	4072.6	4043.7	4079.3	4084.3
17.5°	4033.2	4012.3	3993.2	4039.4	4032.0
20°	3968.6	3944.0	3940.4	3990.8	3972.3
22.5°	3888.7	3869.6	3878.2	3926.2	3914.5
25°	3798.3	3781.7	3808.1	3843.2	3832.1
27.5°	3703.0	3693.1	3723.3	3750.3	3728.8
30°	3598.4	3592.9	3632.9	3655.0	3627.9
32.5°	3484.6	3486.5	3524.6	3554.7	3529.5
35°	3366.6	3374.5	3409.0	3445.3	3431.7
37.5°	3236.8	3254.6	3289.1	3330.3	3316.1
40°	3099.6	3125.5	3163.6	3213.4	3200.5
42.5°	2951.4	2984.0	3033.2	3088.6	3087.3
45°	2794.0	2839.5	2892.4	2966.2	2975.4
47.5°	2630.4	2681.4	2748.5	2846.9	2861.0
50°	2452.7	2516.6	2600.3	2718.3	2726.9
52.5°	2254.6	2341.9	2452.7	2565.8	2555.4
55°	2056.0	2155.0	2302.0	2394.2	2388.7
57.5°	1857.9	1969.3	2147.6	2213.4	2212.8
60°	1636.5	1777.4	1972.3	2022.1	1972.9
62.5°	1431.7	1583.0	1785.4	1749.1	1580.6
65°	1206.6	1395.5	1584.3	1337.0	1091.6
67.5°	1006.8	1203.6	1345.6	915.7	784.1
70°	805.7	1022.8	1049.2	679.6	670.4
72.5°	627.3	858.6	723.9	581.8	611.3
75°	474.8	688.8	506.8	518.5	552.3
77.5°	346.2	528.9	394.2	454.5	482.2
80°	238.0	374.5	321.6	381.9	401.0
82.5°	149.4	247.2	257.7	307.5	327.2
85°	81.8	156.8	201.1	242.9	254.6
87.5°	33.8	94.7	153.8	187.6	197.4
90°	0.6	52.3	103.9	130.4	136.5
92.5°	0.6	40.0	84.9	105.2	109.5
95°	0.6	32.6	71.3	86.7	89.2
97.5°	1.2	25.8	59.7	72.0	74.4
100°	1.8	21.5	49.8	60.3	62.1
102.5°	2.5	17.2	41.8	50.4	52.3
105°	2.5	14.1	35.1	42.4	44.3



TEST NUMBER: P829823

CATALOG NUMBER: OHBL-15SE-MCL-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.3	8.6	20.9	26.4	27.7
115°	4.9	7.4	17.8	22.8	24.0
117.5°	4.9	6.2	15.4	19.1	20.3
120°	4.9	5.5	13.5	16.6	17.2
122.5°	4.9	4.9	11.7	14.8	15.4
125°	4.3	4.9	11.1	12.9	13.5
127.5°	4.9	4.9	9.8	11.7	12.3
130°	4.9	5.5	8.6	11.1	11.1
132.5°	5.5	6.2	8.0	10.5	10.5
135°	5.5	6.2	6.8	9.8	10.5
137.5°	6.2	6.2	6.2	9.2	9.8
140°	6.2	6.2	5.5	8.0	8.6
142.5°	5.5	6.2	5.5	7.4	8.0
145°	5.5	6.2	6.2	6.8	7.4
147.5°	6.2	6.2	6.2	6.2	6.8
150°	6.2	6.2	6.2	6.2	6.2
152.5°	6.2	6.2	6.2	6.2	6.2
155°	6.2	6.8	6.8	6.8	6.2
157.5°	6.2	6.8	6.8	6.8	6.8
160°	6.2	6.8	6.8	6.8	6.8
162.5°	6.8	6.8	6.8	6.8	6.8
165°	6.8	6.8	6.8	6.8	6.8
167.5°	6.8	7.4	6.8	6.8	6.8
170°	6.8	6.8	6.8	6.2	6.2
172.5°	6.8	6.8	6.8	6.2	6.2
175°	6.8	6.8	6.2	5.5	5.5
177.5°	7.4	6.8	6.2	5.5	4.9
180°	6.2	6.2	6.2	6.2	6.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.1	11.7	30.1	36.3	37.5
110°	3.7	9.8	25.2	30.8	32.0



(END OF REPORT)