

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: P829819

Luminaire Tested: **OHBL-15SE-MCL-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829819
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-L830-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

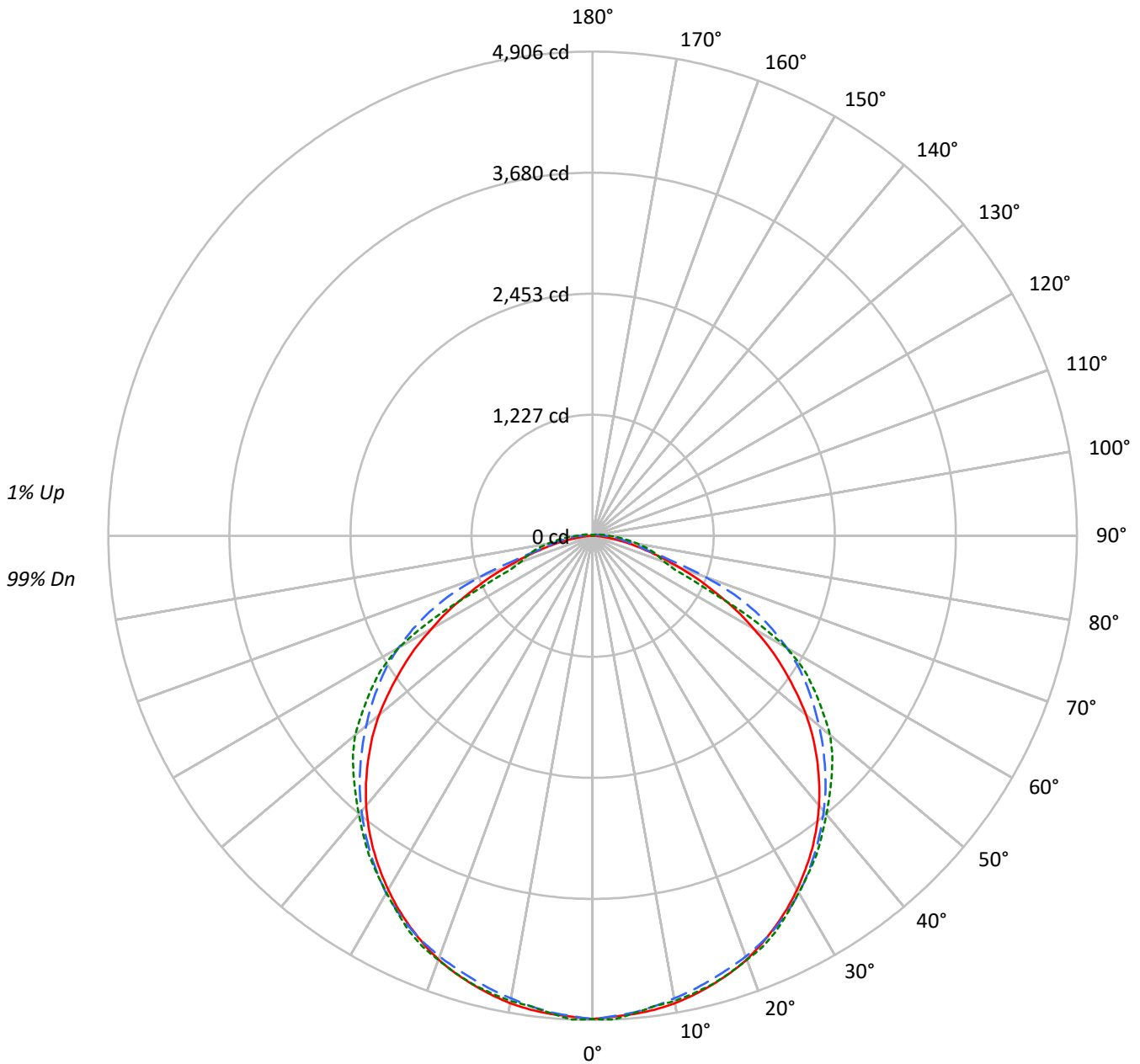
Lumens per Lamp: N/A
Luminaire Lumens: 13840.0 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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: P829819

CATALOG NUMBER: OHBL-15SE-MCL-UNV-L830-CD

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°	15930	15930	15930
5°	15826	15605	15599
10°	15768	15278	15297
15°	15668	15012	15067
20°	15568	14811	14806
25°	15380	14607	14544
30°	15176	14338	14135
35°	14932	13964	13844
40°	14614	13577	13491
45°	14174	13140	13238
50°	13577	12650	12949
55°	12630	12152	12261
60°	11389	11476	11112
65°	9770	10356	6868
70°	7869	7892	4818
75°	5900	4529	4671
80°	4107	3575	4157
85°	2338	2984	3443



TEST NUMBER: P829819

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.7	3.3
10°-20°	1323.9	9.6
20°-30°	2022.1	14.6
30°-40°	2453.5	17.7
40°-50°	2571.5	18.6
50°-60°	2330.2	16.8
60°-70°	1562.3	11.3
70°-80°	701.5	5.1
80°-90°	254.6	1.8
90°-100°	76.6	0.6
100°-110°	36.2	0.3
110°-120°	18.1	0.1
120°-130°	10.0	0.1
130°-140°	6.9	0.0
140°-150°	4.6	0.0
150°-160°	3.4	0.0
160°-170°	2.2	0.0
170°-180°	0.7	0.0
0°-30°	3807.7	27.5
0°-40°	6261.2	45.2
0°-60°	11162.9	80.7
0°-90°	13681.3	98.9
90°-120°	130.9	0.9
90°-150°	152.4	1.1
90°-180°	159.0	1.1
0°-180°	13840.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4897	4897	4897	4897	4897	
5°	4865	4882	4848	4863	4856	463
15°	4707	4688	4655	4696	4702	1329
25°	4373	4354	4384	4424	4412	2016
35°	3876	3885	3924	3966	3951	2422
45°	3216	3269	3330	3415	3425	2478
55°	2367	2481	2650	2756	2750	2113
65°	1389	1606	1824	1539	1257	1384
75°	547	793	583	597	636	597
85°	94	180	232	280	293	115
90°	1	60	120	150	157	6
95°	1	38	82	100	103	1
105°	3	16	40	49	51	3
115°	6	8	20	26	28	5
125°	5	6	13	15	16	5
135°	6	7	8	11	12	5
145°	6	7	7	8	8	4
155°	7	8	8	8	7	3
165°	8	8	8	8	8	2
175°	8	8	7	6	6	1
180°	7	7	7	7	7	



TEST NUMBER: P829819

CATALOG NUMBER: OHBL-15SE-MCL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4896.6	4896.6	4896.6	4896.6	4896.6
2.5°	4876.8	4897.3	4871.8	4899.4	4906.5
5°	4864.7	4881.7	4847.8	4862.6	4856.2
7.5°	4842.8	4848.5	4808.1	4820.1	4807.4
10°	4810.2	4807.4	4760.0	4783.3	4786.2
12.5°	4762.1	4753.6	4711.1	4746.5	4747.2
15°	4706.9	4688.4	4655.2	4696.2	4701.9
17.5°	4643.1	4619.1	4597.1	4650.2	4641.7
20°	4568.8	4540.5	4536.2	4594.3	4573.0
22.5°	4476.8	4454.8	4464.7	4519.9	4506.5
25°	4372.7	4353.6	4384.0	4424.4	4411.6
27.5°	4262.9	4251.6	4286.3	4317.5	4292.7
30°	4142.6	4136.2	4182.2	4207.7	4176.6
32.5°	4011.6	4013.7	4057.6	4092.3	4063.3
35°	3875.7	3884.9	3924.5	3966.3	3950.7
37.5°	3726.3	3746.8	3786.4	3833.9	3817.6
40°	3568.4	3598.1	3642.0	3699.4	3684.5
42.5°	3397.7	3435.3	3491.9	3555.6	3554.2
45°	3216.5	3268.9	3329.8	3414.7	3425.4
47.5°	3028.2	3086.9	3164.1	3277.4	3293.7
50°	2823.5	2897.2	2993.5	3129.4	3139.3
52.5°	2595.6	2696.1	2823.5	2953.8	2941.8
55°	2366.9	2480.9	2650.1	2756.3	2749.9
57.5°	2138.9	2267.1	2472.4	2548.1	2547.4
60°	1884.0	2046.2	2270.6	2327.9	2271.3
62.5°	1648.2	1822.4	2055.4	2013.6	1819.6
65°	1389.1	1606.5	1823.8	1539.2	1256.7
67.5°	1159.0	1385.6	1549.1	1054.2	902.7
70°	927.5	1177.4	1207.9	782.4	771.7
72.5°	722.2	988.4	833.3	669.8	703.8
75°	546.6	793.0	583.4	596.9	635.8
77.5°	398.6	608.9	453.8	523.2	555.1
80°	274.0	431.2	370.3	439.7	461.6
82.5°	172.0	284.6	296.7	354.0	376.7
85°	94.2	180.5	231.5	279.7	293.1
87.5°	38.9	109.0	177.0	215.9	227.3
90°	0.7	60.2	119.7	150.1	157.2
92.5°	0.7	46.0	97.7	121.1	126.0
95°	0.7	37.5	82.1	99.8	102.7
97.5°	1.4	29.7	68.7	82.8	85.7
100°	2.1	24.8	57.3	69.4	71.5
102.5°	2.8	19.8	48.1	58.1	60.2
105°	2.8	16.3	40.4	48.9	51.0



TEST NUMBER: P829819

CATALOG NUMBER: OHBL-15SE-MCL-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.0	9.9	24.1	30.4	31.9
115°	5.7	8.5	20.5	26.2	27.6
117.5°	5.7	7.1	17.7	21.9	23.4
120°	5.7	6.4	15.6	19.1	19.8
122.5°	5.7	5.7	13.5	17.0	17.7
125°	5.0	5.7	12.7	14.9	15.6
127.5°	5.7	5.7	11.3	13.5	14.2
130°	5.7	6.4	9.9	12.7	12.7
132.5°	6.4	7.1	9.2	12.0	12.0
135°	6.4	7.1	7.8	11.3	12.0
137.5°	7.1	7.1	7.1	10.6	11.3
140°	7.1	7.1	6.4	9.2	9.9
142.5°	6.4	7.1	6.4	8.5	9.2
145°	6.4	7.1	7.1	7.8	8.5
147.5°	7.1	7.1	7.1	7.1	7.8
150°	7.1	7.1	7.1	7.1	7.1
152.5°	7.1	7.1	7.1	7.1	7.1
155°	7.1	7.8	7.8	7.8	7.1
157.5°	7.1	7.8	7.8	7.8	7.8
160°	7.1	7.8	7.8	7.8	7.8
162.5°	7.8	7.8	7.8	7.8	7.8
165°	7.8	7.8	7.8	7.8	7.8
167.5°	7.8	8.5	7.8	7.8	7.8
170°	7.8	7.8	7.8	7.1	7.1
172.5°	7.8	7.8	7.8	7.1	7.1
175°	7.8	7.8	7.1	6.4	6.4
177.5°	8.5	7.8	7.1	6.4	5.7
180°	7.1	7.1	7.1	7.1	7.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.5	13.5	34.7	41.8	43.2
110°	4.2	11.3	29.0	35.4	36.8



(END OF REPORT)