

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: P829815

Luminaire Tested: **OHBL-15SE-MCL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829815
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-L730-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

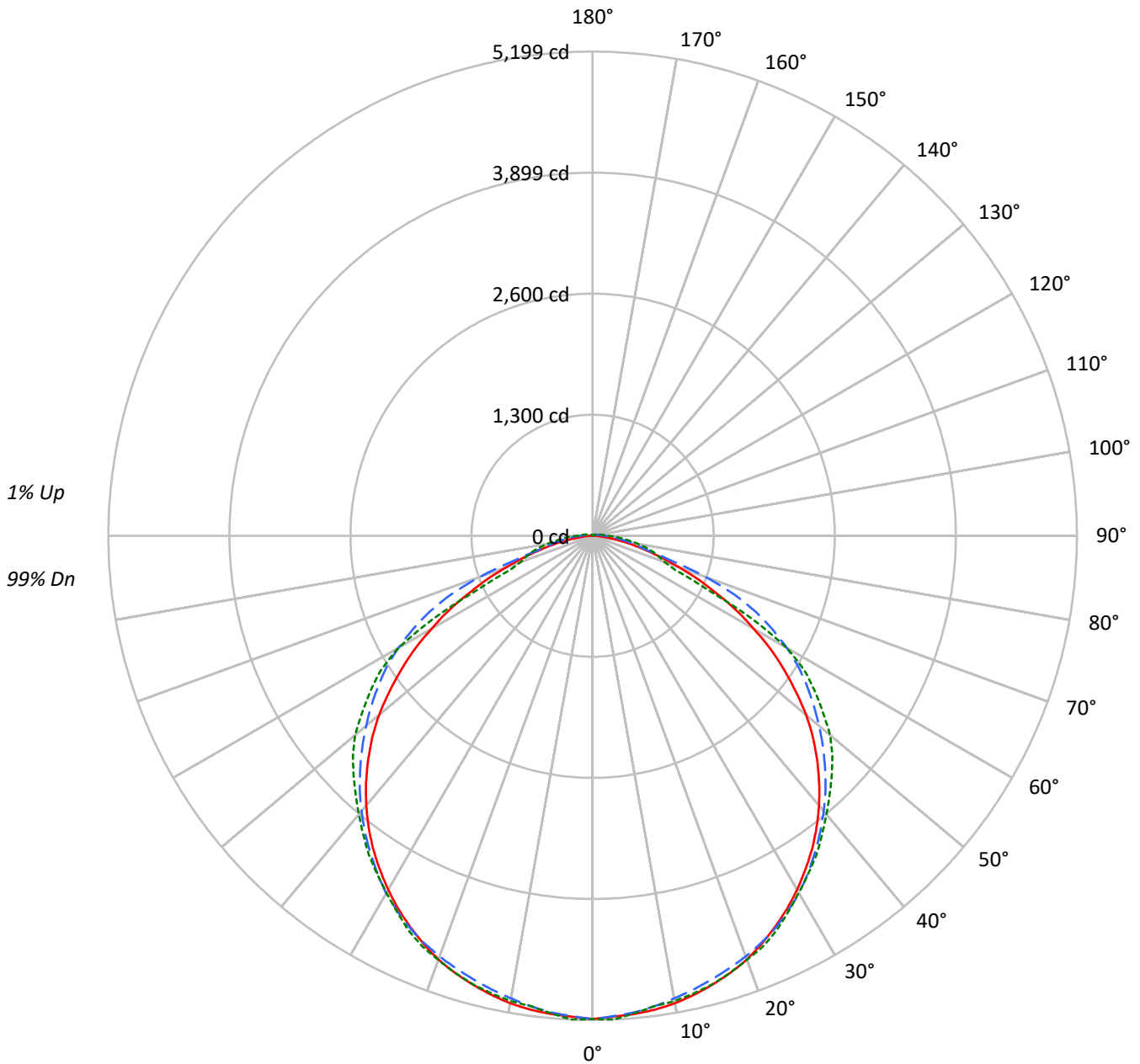
Lumens per Lamp: N/A
Luminaire Lumens: 14666.1 lumens
Efficiency: N/A
Efficacy: 168.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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	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°	16881	16881	16881
5°	16771	16536	16530
10°	16709	16189	16210
15°	16603	15908	15966
20°	16497	15695	15689
25°	16298	15479	15412
30°	16081	15193	14978
35°	15823	14798	14670
40°	15486	14388	14296
45°	15020	13924	14028
50°	14388	13405	13722
55°	13383	12877	12993
60°	12069	12161	11775
65°	10353	10974	7278
70°	8338	8364	5106
75°	6252	4799	4949
80°	4352	3788	4405
85°	2477	3162	3649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.3	3.3
10°-20°	1403.0	9.6
20°-30°	2142.8	14.6
30°-40°	2599.9	17.7
40°-50°	2725.0	18.6
50°-60°	2469.2	16.8
60°-70°	1655.5	11.3
70°-80°	743.4	5.1
80°-90°	269.8	1.8
90°-100°	81.2	0.6
100°-110°	38.3	0.3
110°-120°	19.2	0.1
120°-130°	10.6	0.1
130°-140°	7.3	0.0
140°-150°	4.9	0.0
150°-160°	3.6	0.0
160°-170°	2.4	0.0
170°-180°	0.7	0.0
0°-30°	4035.0	27.5
0°-40°	6634.9	45.2
0°-60°	11829.1	80.7
0°-90°	14497.8	98.9
90°-120°	138.8	0.9
90°-150°	161.6	1.1
90°-180°	168.0	1.1
0°-180°	14666.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5189	5189	5189	5189	5189	
5°	5155	5173	5137	5153	5146	490
15°	4988	4968	4933	4976	4982	1408
25°	4634	4613	4646	4688	4675	2136
35°	4107	4117	4159	4203	4186	2567
45°	3408	3464	3528	3618	3630	2626
55°	2508	2629	2808	2921	2914	2239
65°	1472	1702	1933	1631	1332	1467
75°	579	840	618	632	674	633
85°	100	191	245	296	311	122
90°	1	64	127	159	167	6
95°	1	40	87	106	109	1
105°	3	17	43	52	54	3
115°	6	9	22	28	29	6
125°	5	6	14	16	16	5
135°	7	8	8	12	13	5
145°	7	8	8	8	9	4
155°	8	8	8	8	8	3
165°	8	8	8	8	8	2
175°	8	8	8	7	7	1
180°	8	8	8	8	8	



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CATALOG NUMBER: OHBL-15SE-MCL-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5188.8	5188.8	5188.8	5188.8	5188.8
2.5°	5167.8	5189.6	5162.6	5191.8	5199.3
5°	5155.1	5173.1	5137.1	5152.8	5146.1
7.5°	5131.8	5137.8	5095.1	5107.8	5094.3
10°	5097.3	5094.3	5044.0	5068.8	5071.8
12.5°	5046.3	5037.3	4992.3	5029.8	5030.5
15°	4987.8	4968.3	4933.0	4976.5	4982.5
17.5°	4920.2	4894.7	4871.5	4927.8	4918.7
20°	4841.5	4811.5	4807.0	4868.5	4846.0
22.5°	4743.9	4720.7	4731.2	4789.7	4775.4
25°	4633.6	4613.4	4645.7	4688.4	4674.9
27.5°	4517.4	4505.4	4542.1	4575.1	4548.9
30°	4389.8	4383.1	4431.8	4458.8	4425.8
32.5°	4251.0	4253.3	4299.8	4336.5	4305.8
35°	4107.0	4116.7	4158.7	4203.0	4186.5
37.5°	3948.7	3970.4	4012.4	4062.7	4045.4
40°	3781.3	3812.9	3859.4	3920.1	3904.4
42.5°	3600.5	3640.3	3700.3	3767.8	3766.3
45°	3408.5	3464.0	3528.5	3618.5	3629.8
47.5°	3208.9	3271.2	3352.9	3473.0	3490.2
50°	2992.1	3070.1	3172.1	3316.2	3326.7
52.5°	2750.5	2857.0	2992.1	3130.1	3117.4
55°	2508.1	2628.9	2808.2	2920.8	2914.0
57.5°	2266.6	2402.4	2619.9	2700.2	2699.5
60°	1996.5	2168.3	2406.1	2466.9	2406.9
62.5°	1746.6	1931.2	2178.0	2133.8	1928.2
65°	1472.0	1702.4	1932.7	1631.1	1331.7
67.5°	1228.2	1468.3	1641.6	1117.1	956.6
70°	982.8	1247.7	1280.0	829.0	817.8
72.5°	765.3	1047.4	883.1	709.8	745.8
75°	579.2	840.3	618.2	632.5	673.7
77.5°	422.4	645.2	480.9	554.4	588.2
80°	290.4	456.9	392.4	465.9	489.2
82.5°	182.3	301.6	314.4	375.1	399.1
85°	99.8	191.3	245.3	296.4	310.6
87.5°	41.3	115.5	187.6	228.8	240.8
90°	0.8	63.8	126.8	159.1	166.6
92.5°	0.8	48.8	103.5	128.3	133.5
95°	0.8	39.8	87.0	105.8	108.8
97.5°	1.5	31.5	72.8	87.8	90.8
100°	2.3	26.3	60.8	73.5	75.8
102.5°	3.0	21.0	51.0	61.5	63.8
105°	3.0	17.3	42.8	51.8	54.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.3	10.5	25.5	32.3	33.8
115°	6.0	9.0	21.8	27.8	29.3
117.5°	6.0	7.5	18.8	23.3	24.8
120°	6.0	6.8	16.5	20.3	21.0
122.5°	6.0	6.0	14.3	18.0	18.8
125°	5.3	6.0	13.5	15.8	16.5
127.5°	6.0	6.0	12.0	14.3	15.0
130°	6.0	6.8	10.5	13.5	13.5
132.5°	6.8	7.5	9.8	12.8	12.8
135°	6.8	7.5	8.3	12.0	12.8
137.5°	7.5	7.5	7.5	11.3	12.0
140°	7.5	7.5	6.8	9.8	10.5
142.5°	6.8	7.5	6.8	9.0	9.8
145°	6.8	7.5	7.5	8.3	9.0
147.5°	7.5	7.5	7.5	7.5	8.3
150°	7.5	7.5	7.5	7.5	7.5
152.5°	7.5	7.5	7.5	7.5	7.5
155°	7.5	8.3	8.3	8.3	7.5
157.5°	7.5	8.3	8.3	8.3	8.3
160°	7.5	8.3	8.3	8.3	8.3
162.5°	8.3	8.3	8.3	8.3	8.3
165°	8.3	8.3	8.3	8.3	8.3
167.5°	8.3	9.0	8.3	8.3	8.3
170°	8.3	8.3	8.3	7.5	7.5
172.5°	8.3	8.3	8.3	7.5	7.5
175°	8.3	8.3	7.5	6.8	6.8
177.5°	9.0	8.3	7.5	6.8	6.0
180°	7.5	7.5	7.5	7.5	7.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.8	14.3	36.8	44.3	45.8
110°	4.5	12.0	30.8	37.5	39.0



(END OF REPORT)