

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: P829829

Luminaire Tested: **OHBL-15SE-MFL-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-MFL-UNV-L740-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

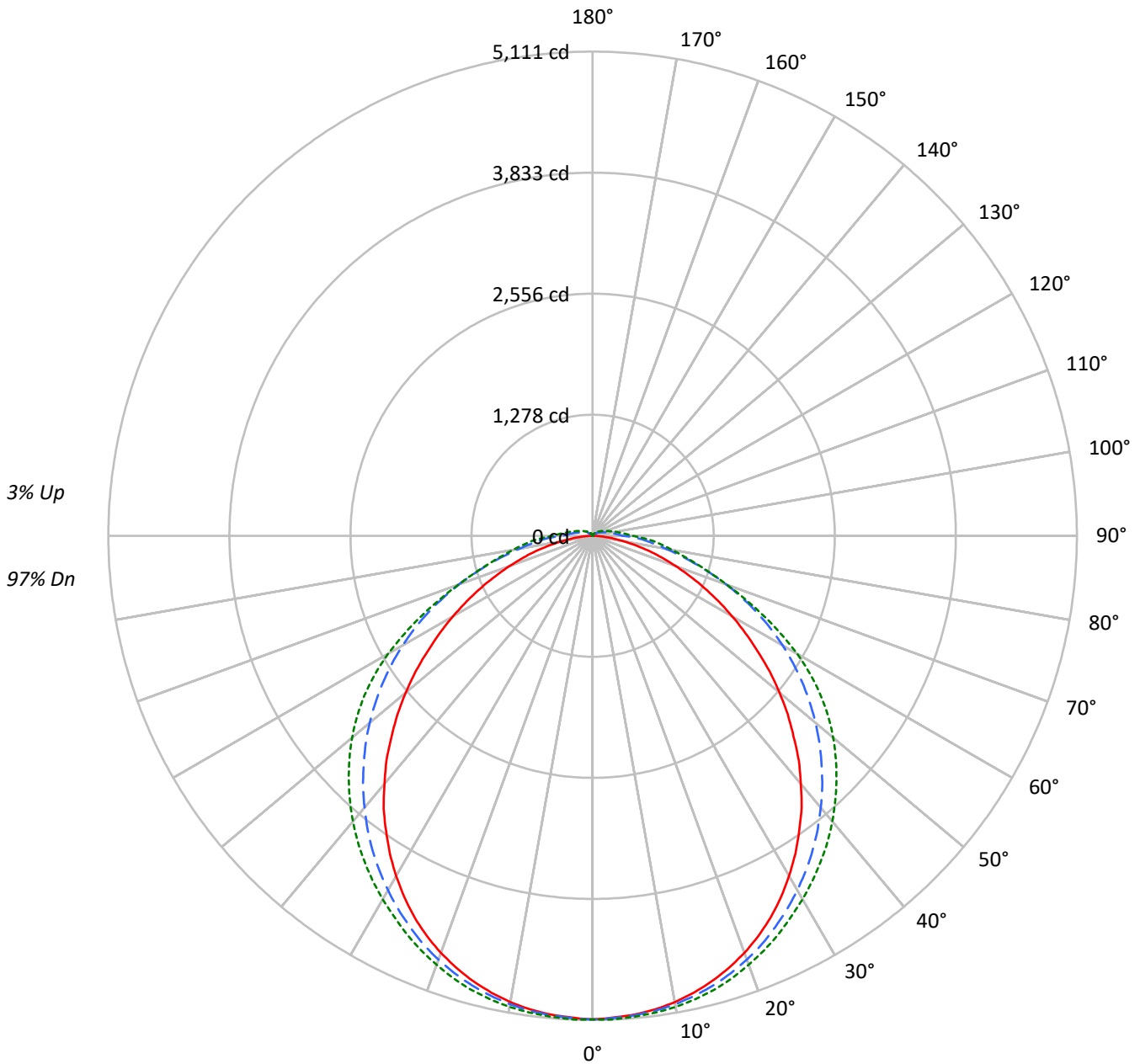
Lumens per Lamp: N/A
Luminaire Lumens: 15280.9 lumens
Efficiency: N/A
Efficacy: 175.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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: P829829

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L740-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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16611	16611	16611
5°	16505	16356	16365
10°	16389	16115	16143
15°	16206	15849	15897
20°	15963	15545	15600
25°	15638	15188	15300
30°	15189	14810	14996
35°	14645	14411	14708
40°	13992	13962	14413
45°	13221	13477	14068
50°	12378	12980	13669
55°	11342	12388	13110
60°	10281	11703	12196
65°	9123	10856	10845
70°	7867	9806	9394
75°	6596	8595	8262
80°	5000	7552	7641
85°	3165	7151	7545



TEST NUMBER: P829829

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.8	3.2
10°-20°	1388.0	9.1
20°-30°	2099.1	13.7
30°-40°	2520.0	16.5
40°-50°	2602.7	17.0
50°-60°	2341.6	15.3
60°-70°	1763.9	11.5
70°-80°	1065.1	7.0
80°-90°	520.9	3.4
90°-100°	219.3	1.4
100°-110°	125.2	0.8
110°-120°	73.5	0.5
120°-130°	41.5	0.3
130°-140°	21.9	0.1
140°-150°	10.6	0.1
150°-160°	3.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3970.9	26.0
0°-40°	6490.8	42.5
0°-60°	11435.1	74.8
0°-90°	14785.1	96.8
90°-120°	417.9	2.7
90°-150°	491.9	3.2
90°-180°	496.0	3.2
0°-180°	15280.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5106	5106	5106	5106	5106	
5°	5073	5087	5081	5101	5095	482
15°	4868	4892	4915	4956	4961	1373
25°	4446	4495	4558	4630	4641	2045
35°	3801	3890	4050	4172	4197	2376
45°	3000	3152	3415	3601	3640	2316
55°	2126	2346	2702	2905	2940	1906
65°	1297	1562	1912	2007	1984	1289
75°	611	877	1107	1136	1125	652
85°	128	336	555	631	642	147
90°	0	131	317	400	416	8
95°	6	89	237	302	314	5
105°	9	51	138	180	187	9
115°	10	29	85	114	119	10
125°	10	14	51	74	78	9
135°	9	11	26	45	50	7
145°	12	11	12	22	26	7
155°	12	14	12	11	12	4
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829829

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5105.9	5105.9	5105.9	5105.9	5105.9
2.5°	5090.9	5103.4	5095.9	5112.1	5110.9
5°	5073.4	5087.1	5080.9	5100.9	5094.6
7.5°	5043.4	5058.4	5057.1	5079.6	5077.1
10°	4999.7	5015.9	5020.9	5050.9	5050.9
12.5°	4939.7	4960.9	4973.4	5009.6	5010.9
15°	4868.4	4892.2	4914.7	4955.9	4960.9
17.5°	4782.2	4812.2	4843.5	4890.9	4897.2
20°	4684.8	4718.5	4761.0	4811.0	4818.5
22.5°	4572.3	4612.3	4667.3	4726.0	4734.7
25°	4446.1	4494.8	4558.5	4629.8	4641.0
27.5°	4302.4	4358.6	4444.8	4524.8	4534.8
30°	4146.2	4212.4	4319.9	4414.8	4431.1
32.5°	3981.2	4057.5	4189.9	4296.1	4318.6
35°	3801.3	3890.0	4050.0	4172.4	4197.4
37.5°	3623.8	3721.3	3902.5	4042.5	4072.4
40°	3416.4	3537.6	3745.1	3900.0	3936.2
42.5°	3221.5	3352.7	3587.6	3756.3	3791.3
45°	3000.3	3151.5	3415.2	3601.3	3640.1
47.5°	2792.9	2956.6	3249.0	3441.4	3481.4
50°	2574.2	2754.1	3071.5	3272.7	3313.9
52.5°	2355.5	2549.2	2887.8	3096.5	3135.2
55°	2125.6	2345.5	2701.6	2905.3	2940.3
57.5°	1911.9	2144.3	2510.4	2704.1	2725.4
60°	1700.7	1941.9	2315.5	2485.5	2493.0
62.5°	1494.5	1748.2	2115.6	2250.5	2240.5
65°	1297.1	1562.0	1911.9	2006.9	1984.4
67.5°	1107.1	1380.8	1703.2	1764.4	1734.4
70°	927.2	1204.6	1500.8	1532.0	1504.5
72.5°	768.5	1037.2	1295.8	1322.1	1302.1
75°	611.1	877.2	1107.1	1135.9	1124.6
77.5°	463.6	722.3	933.5	970.9	973.4
80°	333.6	581.1	782.3	841.0	848.5
82.5°	219.9	451.1	656.0	731.0	742.3
85°	127.5	336.1	554.8	631.0	642.3
87.5°	55.0	242.4	446.1	514.8	528.6
90°	0.0	131.2	317.4	399.9	416.1
92.5°	3.7	108.7	272.4	347.4	361.1
95°	6.2	88.7	237.4	302.4	313.6
97.5°	7.5	75.0	206.2	263.7	274.9
100°	7.5	65.0	178.7	231.2	241.2
102.5°	7.5	57.5	156.2	202.4	211.2
105°	8.7	51.2	137.5	179.9	187.4



TEST NUMBER: P829829

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L740-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.0	33.7	95.0	127.5	132.5
115°	10.0	28.7	85.0	113.7	118.7
117.5°	11.2	25.0	75.0	102.5	106.2
120°	11.2	21.2	66.2	91.2	96.2
122.5°	11.2	17.5	58.7	82.5	86.2
125°	10.0	13.7	51.2	73.7	77.5
127.5°	8.7	11.2	43.7	66.2	70.0
130°	8.7	10.0	37.5	58.7	62.5
132.5°	8.7	11.2	31.2	51.2	56.2
135°	8.7	11.2	26.2	45.0	50.0
137.5°	8.7	11.2	21.2	38.7	43.7
140°	10.0	11.2	17.5	32.5	37.5
142.5°	11.2	11.2	13.7	27.5	31.2
145°	12.5	11.2	12.5	22.5	26.2
147.5°	12.5	12.5	12.5	17.5	21.2
150°	12.5	13.7	12.5	13.7	17.5
152.5°	12.5	13.7	12.5	11.2	13.7
155°	12.5	13.7	12.5	11.2	12.5
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°	8.7	45.0	121.2	159.9	166.2
110°	8.7	40.0	107.5	142.5	148.7



(END OF REPORT)