

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: P829806

Luminaire Tested: **OHBL-15SE-A-UNV-L750-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P829806
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-A-UNV-L750-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

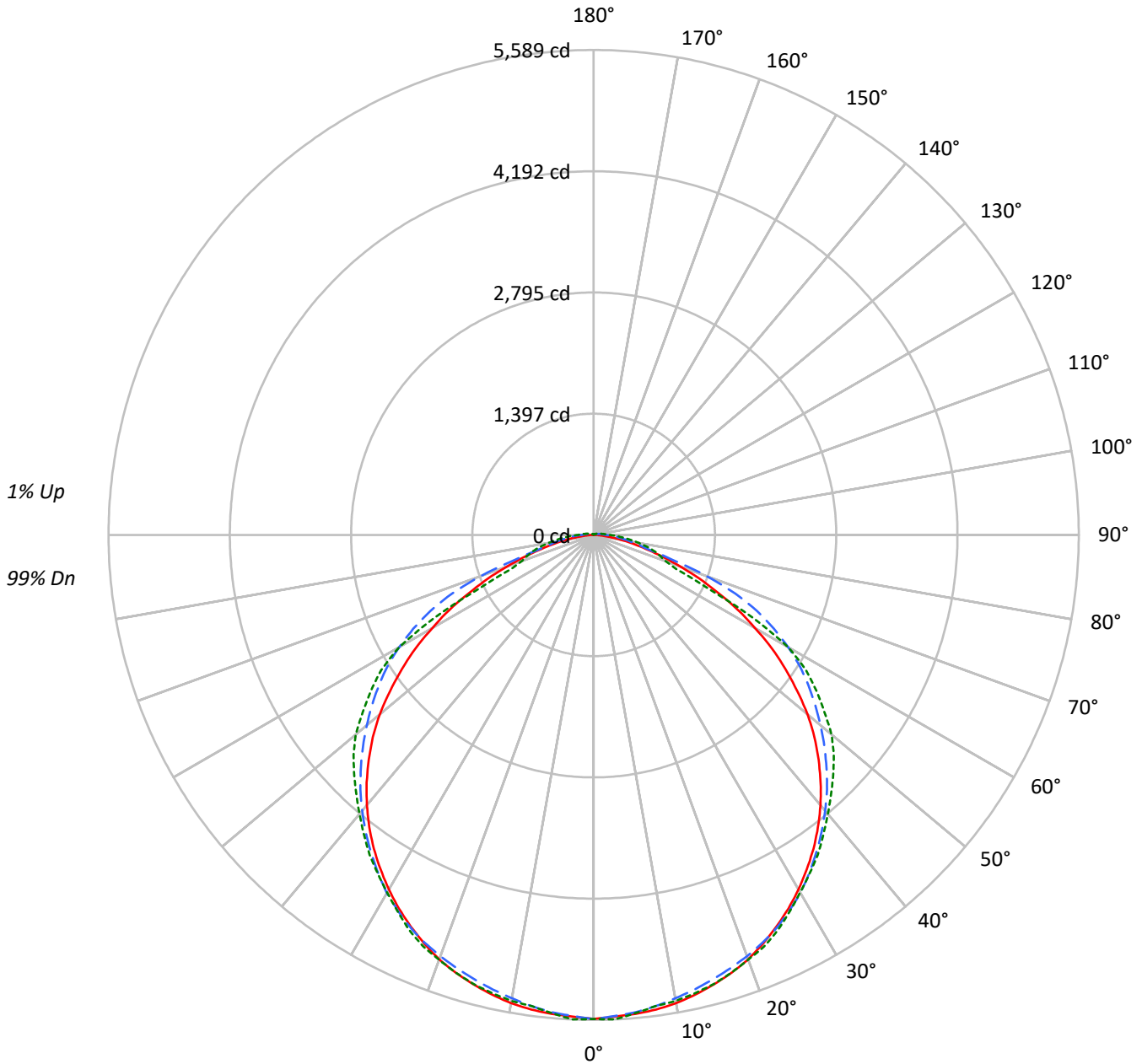
Lumens per Lamp: N/A
Luminaire Lumens: 15766.1 lumens
Efficiency: N/A
Efficacy: 181.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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°	18147	18147	18147
5°	18028	17777	17770
10°	17962	17404	17426
15°	17848	17101	17164
20°	17734	16872	16866
25°	17521	16640	16568
30°	17288	16333	16102
35°	17009	15908	15770
40°	16648	15467	15368
45°	16146	14969	15080
50°	15467	14410	14751
55°	14388	13843	13968
60°	12974	13074	12658
65°	11129	11797	7824
70°	8965	8991	5489
75°	6720	5160	5321
80°	4678	4072	4736
85°	2663	3399	3922



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.0	3.3
10°-20°	1508.2	9.6
20°-30°	2303.5	14.6
30°-40°	2794.9	17.7
40°-50°	2929.3	18.6
50°-60°	2654.4	16.8
60°-70°	1779.7	11.3
70°-80°	799.2	5.1
80°-90°	290.0	1.8
90°-100°	87.3	0.6
100°-110°	41.2	0.3
110°-120°	20.6	0.1
120°-130°	11.4	0.1
130°-140°	7.8	0.0
140°-150°	5.3	0.0
150°-160°	3.9	0.0
160°-170°	2.5	0.0
170°-180°	0.8	0.0
0°-30°	4337.6	27.5
0°-40°	7132.6	45.2
0°-60°	12716.3	80.7
0°-90°	15585.2	98.9
90°-120°	149.1	0.9
90°-150°	173.6	1.1
90°-180°	181.0	1.1
0°-180°	15766.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5578	5578	5578	5578	5578	
5°	5542	5561	5522	5539	5532	527
15°	5362	5341	5303	5350	5356	1514
25°	4981	4959	4994	5040	5026	2296
35°	4415	4426	4471	4518	4500	2760
45°	3664	3724	3793	3890	3902	2823
55°	2696	2826	3019	3140	3133	2407
65°	1582	1830	2078	1753	1432	1577
75°	623	903	665	680	724	680
85°	107	206	264	319	334	131
90°	1	69	136	171	179	6
95°	1	43	94	114	117	1
105°	3	19	46	56	58	4
115°	6	10	23	30	32	6
125°	6	6	14	17	18	6
135°	7	8	9	13	14	6
145°	7	8	8	9	10	5
155°	8	9	9	9	8	4
165°	9	9	9	9	9	2
175°	9	9	8	7	7	1
180°	8	8	8	8	8	



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CATALOG NUMBER: OHBL-15SE-A-UNV-L750-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5578.0	5578.0	5578.0	5578.0	5578.0
2.5°	5555.4	5578.8	5549.8	5581.3	5589.3
5°	5541.7	5561.1	5522.4	5539.3	5532.1
7.5°	5516.7	5523.2	5477.2	5490.9	5476.4
10°	5479.6	5476.4	5422.4	5449.0	5452.2
12.5°	5424.8	5415.1	5366.7	5407.0	5407.8
15°	5361.9	5340.9	5303.0	5349.8	5356.2
17.5°	5289.3	5261.9	5236.9	5297.3	5287.7
20°	5204.6	5172.3	5167.5	5233.6	5209.4
22.5°	5099.7	5074.7	5086.0	5148.9	5133.6
25°	4981.2	4959.4	4994.1	5040.1	5025.5
27.5°	4856.2	4843.3	4882.8	4918.3	4890.0
30°	4719.1	4711.8	4764.2	4793.3	4757.8
32.5°	4569.9	4572.3	4622.3	4661.8	4628.7
35°	4415.0	4425.5	4470.6	4518.2	4500.5
37.5°	4244.8	4268.2	4313.4	4367.4	4348.9
40°	4065.0	4098.8	4148.8	4214.2	4197.2
42.5°	3870.6	3913.3	3977.9	4050.4	4048.8
45°	3664.1	3723.8	3793.2	3889.9	3902.0
47.5°	3449.6	3516.5	3604.4	3733.5	3752.0
50°	3216.5	3300.4	3410.0	3564.9	3576.2
52.5°	2956.8	3071.3	3216.5	3364.9	3351.2
55°	2696.3	2826.1	3018.9	3139.9	3132.6
57.5°	2436.6	2582.5	2816.4	2902.7	2901.9
60°	2146.2	2330.9	2586.6	2651.9	2587.4
62.5°	1877.6	2076.0	2341.4	2293.8	2072.8
65°	1582.4	1830.0	2077.6	1753.4	1431.6
67.5°	1320.3	1578.4	1764.7	1200.9	1028.3
70°	1056.6	1341.3	1376.0	891.2	879.1
72.5°	822.7	1125.9	949.3	763.0	801.7
75°	622.6	903.3	664.6	679.9	724.3
77.5°	454.1	693.6	517.0	596.0	632.3
80°	312.1	491.2	421.8	500.9	525.9
82.5°	196.0	324.2	337.9	403.3	429.1
85°	107.3	205.7	263.7	318.6	333.9
87.5°	44.4	124.2	201.6	246.0	258.9
90°	0.8	68.6	136.3	171.0	179.1
92.5°	0.8	52.4	111.3	137.9	143.6
95°	0.8	42.7	93.6	113.7	116.9
97.5°	1.6	33.9	78.2	94.4	97.6
100°	2.4	28.2	65.3	79.0	81.5
102.5°	3.2	22.6	54.8	66.1	68.6
105°	3.2	18.6	46.0	55.7	58.1



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CATALOG NUMBER: OHBL-15SE-A-UNV-L750-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	11.3	27.4	34.7	36.3
115°	6.5	9.7	23.4	29.8	31.5
117.5°	6.5	8.1	20.2	25.0	26.6
120°	6.5	7.3	17.7	21.8	22.6
122.5°	6.5	6.5	15.3	19.4	20.2
125°	5.6	6.5	14.5	16.9	17.7
127.5°	6.5	6.5	12.9	15.3	16.1
130°	6.5	7.3	11.3	14.5	14.5
132.5°	7.3	8.1	10.5	13.7	13.7
135°	7.3	8.1	8.9	12.9	13.7
137.5°	8.1	8.1	8.1	12.1	12.9
140°	8.1	8.1	7.3	10.5	11.3
142.5°	7.3	8.1	7.3	9.7	10.5
145°	7.3	8.1	8.1	8.9	9.7
147.5°	8.1	8.1	8.1	8.1	8.9
150°	8.1	8.1	8.1	8.1	8.1
152.5°	8.1	8.1	8.1	8.1	8.1
155°	8.1	8.9	8.9	8.9	8.1
157.5°	8.1	8.9	8.9	8.9	8.9
160°	8.1	8.9	8.9	8.9	8.9
162.5°	8.9	8.9	8.9	8.9	8.9
165°	8.9	8.9	8.9	8.9	8.9
167.5°	8.9	9.7	8.9	8.9	8.9
170°	8.9	8.9	8.9	8.1	8.1
172.5°	8.9	8.9	8.9	8.1	8.1
175°	8.9	8.9	8.1	7.3	7.3
177.5°	9.7	8.9	8.1	7.3	6.5
180°	8.1	8.1	8.1	8.1	8.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	4.0	15.3	39.5	47.6	49.2
110°	4.8	12.9	33.1	40.3	41.9



(END OF REPORT)