

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: P829866

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-W-UNV-L750-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

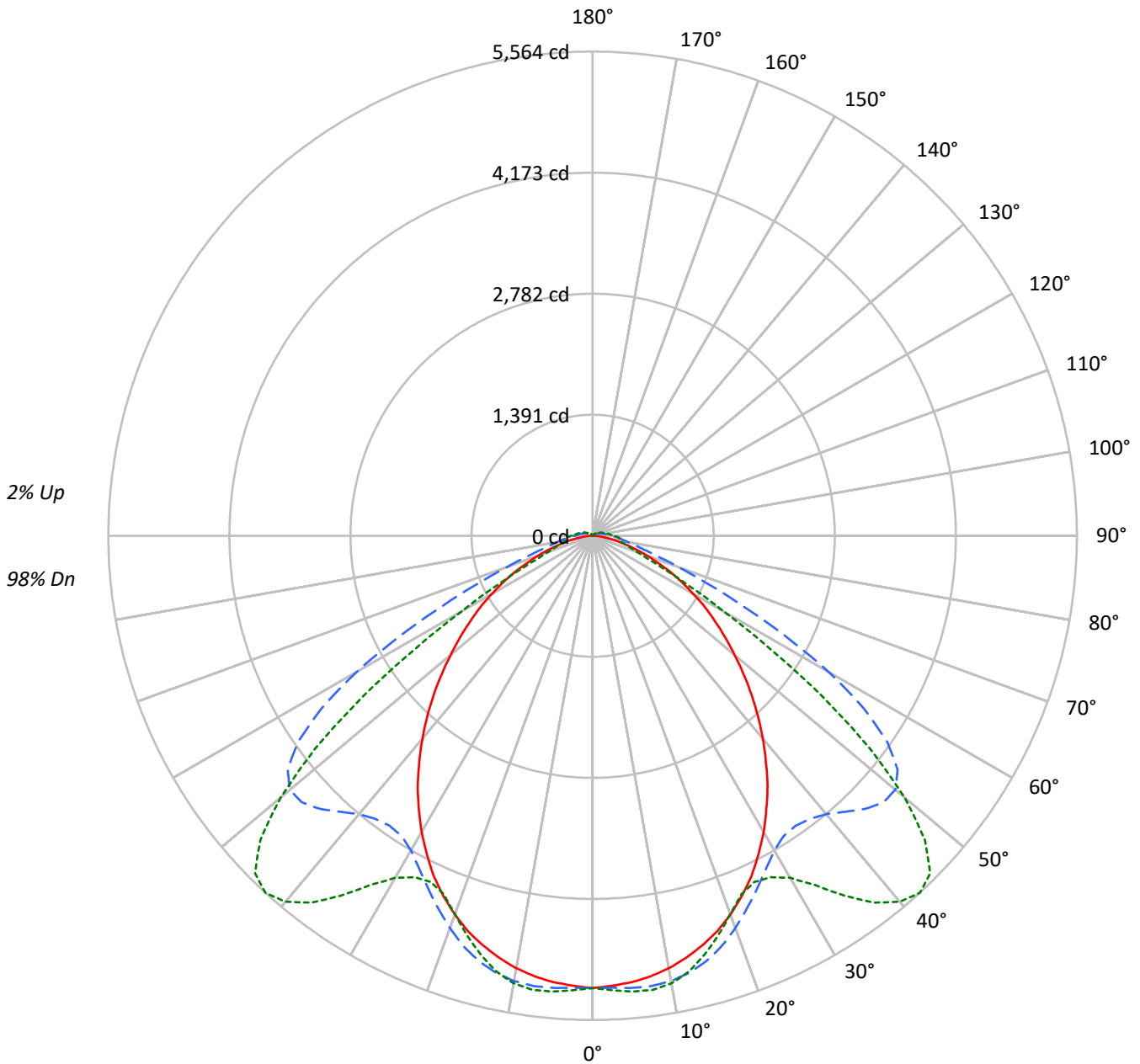
Lumens per Lamp: N/A
Luminaire Lumens: 15562.0 lumens
Efficiency: N/A
Efficacy: 178.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 87
Input Voltage (V): NR
Input Current (Ain): 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: P829866

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

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				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	105	105	105	100	100	100	98			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16909	16909	16909
5°	16751	16792	16886
10°	16541	16675	16694
15°	16218	16309	15955
20°	15776	15659	14976
25°	15185	14896	14477
30°	14398	14308	15355
35°	13500	14476	17690
40°	12459	15564	20102
45°	11370	17510	21196
50°	10234	19182	19292
55°	9167	18948	14360
60°	8080	15819	8503
65°	6933	10741	4945
70°	5632	6792	3382
75°	4285	4719	2900
80°	3075	3951	2888
85°	2087	3989	3596



TEST NUMBER: P829866

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.7	3.2
10°-20°	1406.4	9.0
20°-30°	2058.1	13.2
30°-40°	2672.8	17.2
40°-50°	3263.9	21.0
50°-60°	2874.3	18.5
60°-70°	1497.8	9.6
70°-80°	642.3	4.1
80°-90°	308.5	2.0
90°-100°	144.9	0.9
100°-110°	90.1	0.6
110°-120°	53.3	0.3
120°-130°	28.9	0.2
130°-140°	14.5	0.1
140°-150°	7.0	0.0
150°-160°	2.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3961.2	25.5
0°-40°	6634.0	42.6
0°-60°	12772.2	82.1
0°-90°	15220.8	97.8
90°-120°	288.3	1.9
90°-150°	338.7	2.2
90°-180°	341.0	2.2
0°-180°	15562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5197	5197	5197	5197	5197	
5°	5149	5188	5216	5262	5257	488
15°	4872	5009	5057	5019	4979	1372
25°	4317	4548	4471	4387	4391	1981
35°	3504	3874	4068	4744	5048	2184
45°	2580	3246	4437	5372	5484	1990
55°	1718	2844	4132	3623	3220	1542
65°	986	1970	1892	1052	905	975
75°	397	922	608	416	395	433
85°	84	329	310	303	306	94
90°	1	119	204	233	239	6
95°	2	70	163	191	196	2
105°	4	39	105	127	129	5
115°	7	22	65	80	82	7
125°	8	11	38	49	50	7
135°	7	7	18	30	31	5
145°	9	7	8	15	17	5
155°	9	9	7	7	7	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5197.4	5197.4	5197.4	5197.4	5197.4
2.5°	5175.0	5197.4	5198.5	5229.9	5226.6
5°	5149.2	5188.5	5216.5	5262.5	5256.9
7.5°	5106.6	5168.3	5217.6	5268.1	5263.6
10°	5046.0	5130.1	5195.2	5236.7	5223.2
12.5°	4967.5	5078.6	5142.5	5151.4	5125.7
15°	4872.2	5009.0	5057.3	5019.1	4978.8
17.5°	4764.6	4924.9	4941.8	4858.8	4808.3
20°	4630.0	4812.8	4796.0	4681.6	4625.5
22.5°	4480.9	4689.5	4635.6	4515.6	4461.8
25°	4317.2	4548.2	4470.8	4386.7	4391.2
27.5°	4125.4	4387.8	4312.7	4350.8	4422.6
30°	3930.3	4219.6	4173.6	4395.7	4537.0
32.5°	3716.1	4046.9	4088.4	4526.9	4757.9
35°	3504.2	3874.2	4068.2	4744.4	5048.3
37.5°	3269.8	3699.3	4100.8	4995.6	5314.0
40°	3042.2	3528.9	4174.8	5221.0	5490.1
42.5°	2810.1	3376.4	4299.2	5354.4	5564.1
45°	2580.2	3246.3	4437.2	5372.4	5484.5
47.5°	2350.3	3136.4	4532.5	5229.9	5178.4
50°	2128.3	3038.8	4539.2	4887.9	4677.1
52.5°	1920.9	2949.1	4415.8	4343.0	4015.5
55°	1717.9	2843.7	4132.1	3623.1	3220.5
57.5°	1532.9	2698.0	3694.8	2849.3	2409.8
60°	1336.6	2500.6	3129.7	2084.6	1738.1
62.5°	1156.1	2255.0	2496.1	1451.0	1249.2
65°	985.7	1970.2	1891.7	1051.8	904.9
67.5°	805.1	1675.3	1396.1	767.0	672.8
70°	663.8	1401.7	1039.5	596.6	541.6
72.5°	519.2	1141.5	777.1	484.4	454.1
75°	397.0	921.7	607.8	416.0	394.7
77.5°	292.7	728.9	488.9	367.8	347.6
80°	205.2	574.1	409.3	328.6	320.7
82.5°	137.9	444.1	348.7	312.9	314.0
85°	84.1	328.6	309.5	302.8	306.1
87.5°	40.4	233.2	265.8	275.9	279.2
90°	1.1	118.9	204.1	233.2	238.8
92.5°	0.0	90.8	179.4	208.6	214.2
95°	2.2	69.5	162.6	190.6	196.2
97.5°	2.2	57.2	145.8	174.9	178.3
100°	3.4	49.3	130.1	158.1	161.5
102.5°	3.4	43.7	116.6	141.3	143.5
105°	4.5	39.2	105.4	126.7	129.0



TEST NUMBER: P829866

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.7	26.9	74.0	89.7	92.0
115°	6.7	22.4	65.0	79.6	81.9
117.5°	7.8	20.2	57.2	70.6	71.8
120°	7.8	16.8	49.3	62.8	63.9
122.5°	7.8	13.5	43.7	56.1	57.2
125°	7.8	11.2	38.1	49.3	50.5
127.5°	6.7	7.8	32.5	43.7	44.9
130°	6.7	6.7	26.9	38.1	40.4
132.5°	6.7	6.7	22.4	33.6	35.9
135°	6.7	6.7	17.9	30.3	31.4
137.5°	6.7	6.7	14.6	25.8	28.0
140°	6.7	6.7	11.2	22.4	23.5
142.5°	7.8	6.7	10.1	19.1	20.2
145°	9.0	6.7	7.8	14.6	16.8
147.5°	9.0	7.8	7.8	12.3	13.5
150°	9.0	9.0	6.7	9.0	11.2
152.5°	9.0	9.0	6.7	6.7	9.0
155°	9.0	9.0	6.7	6.7	6.7
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°	5.6	34.8	94.2	113.3	<i>115.5</i>
110°	5.6	30.3	83.0	100.9	<i>103.2</i>



(END OF REPORT)