

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: P829848

Luminaire Tested: **OHBL-15SE-N-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-N-UNV-L935-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

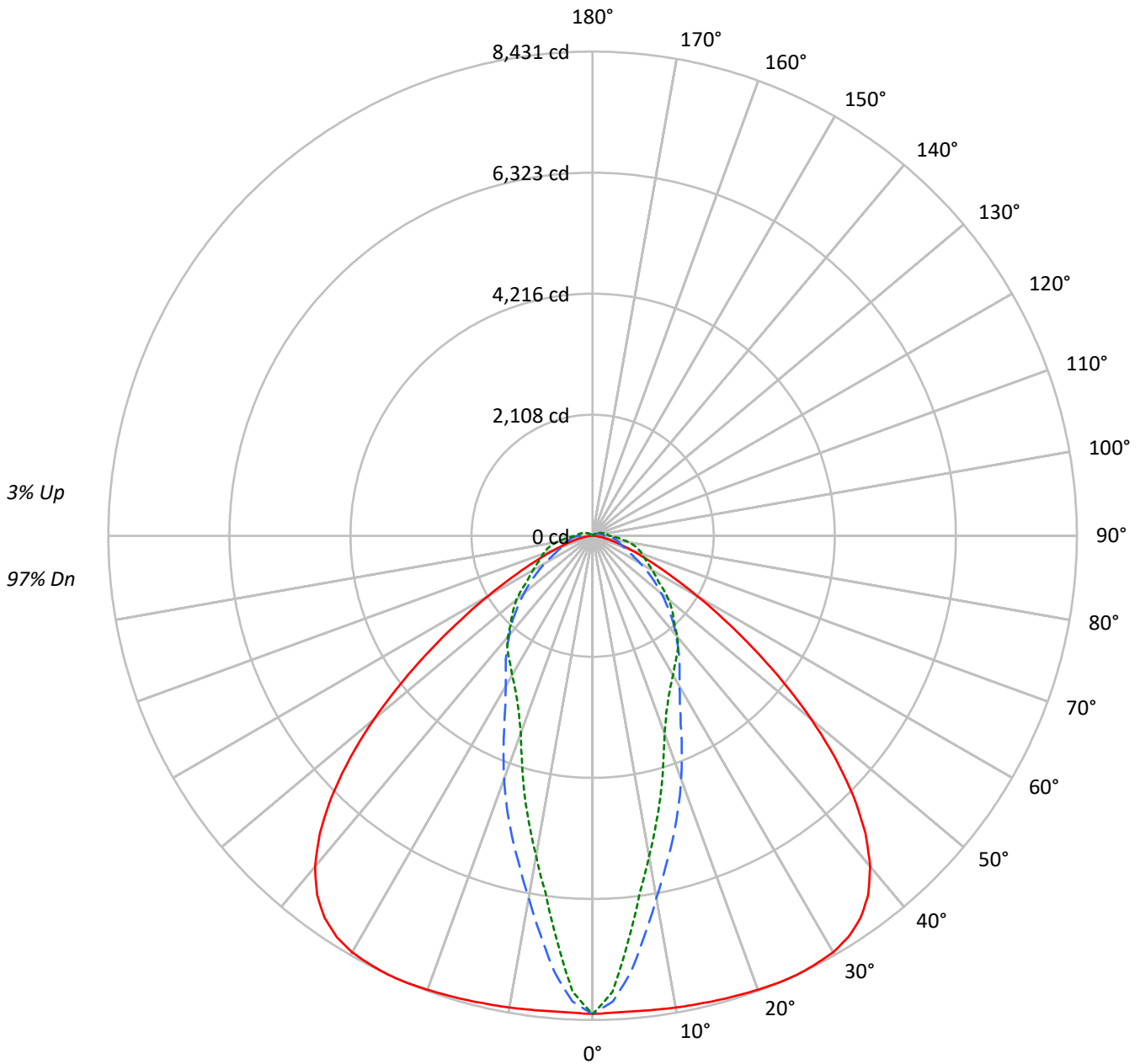
Lumens per Lamp: N/A
Luminaire Lumens: 12292.0 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97																
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82																
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71																
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62																
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54																
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48																
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43																
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39																
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35																
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32																
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27095	27095	27095
5°	27040	24539	22763
10°	27345	20557	18112
15°	27879	17484	14750
20°	28662	14700	11836
25°	29654	12096	10286
30°	30679	10356	9472
35°	31317	9375	8941
40°	30781	8407	8397
45°	28317	7535	7686
50°	23891	6595	7121
55°	18154	5714	6241
60°	12722	4836	5867
65°	8557	4096	5614
70°	5844	3760	5716
75°	4055	3760	5858
80°	2792	3971	5661
85°	1633	4567	5317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.1	5.7
10°-20°	1649.3	13.4
20°-30°	2067.3	16.8
30°-40°	2193.7	17.8
40°-50°	1983.4	16.1
50°-60°	1438.1	11.7
60°-70°	902.5	7.3
70°-80°	597.2	4.9
80°-90°	344.1	2.8
90°-100°	166.7	1.4
100°-110°	115.1	0.9
110°-120°	71.0	0.6
120°-130°	34.4	0.3
130°-140°	15.8	0.1
140°-150°	8.6	0.1
150°-160°	3.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4417.7	35.9
0°-40°	6611.3	53.8
0°-60°	10032.9	81.6
0°-90°	11876.6	96.6
90°-120°	352.7	2.9
90°-150°	411.6	3.3
90°-180°	415.0	3.4
0°-180°	12292.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8328	8328	8328	8328	8328	
5°	8312	8099	7623	7270	7086	795
15°	8375	6826	5422	4822	4603	2375
25°	8431	5278	3630	3222	3120	3895
35°	8129	3509	2635	2552	2552	5053
45°	6426	2223	1910	1956	1989	4895
55°	3402	1378	1246	1352	1400	3074
65°	1217	799	721	924	1027	1266
75°	376	430	484	752	797	419
85°	66	178	354	493	453	79
90°	0	74	205	289	292	4
95°	3	52	181	246	257	3
105°	6	35	132	174	179	6
115°	9	25	89	111	113	9
125°	10	13	45	57	56	8
135°	8	10	20	31	31	6
145°	10	10	12	18	17	6
155°	10	12	13	14	12	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829848

CATALOG NUMBER: OHBL-15SE-N-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8328.5	8328.5	8328.5	8328.5	8328.5
2.5°	8311.0	8263.5	8115.3	8024.9	7948.8
5°	8311.8	8098.6	7623.0	7269.5	7086.4
7.5°	8323.7	7849.7	6992.9	6476.8	6275.5
10°	8342.0	7541.4	6404.7	5854.6	5666.7
12.5°	8355.4	7194.2	5887.1	5321.9	5115.8
15°	8375.3	6826.4	5421.8	4821.8	4603.0
17.5°	8393.5	6480.0	4962.1	4335.1	4091.7
20°	8411.7	6106.7	4502.3	3856.3	3655.8
22.5°	8429.2	5712.7	4053.7	3484.5	3347.4
25°	8430.7	5278.3	3630.4	3222.2	3119.9
27.5°	8410.1	4828.1	3287.2	3002.6	2939.2
30°	8374.5	4391.3	3020.8	2844.1	2798.9
32.5°	8285.7	3945.9	2814.7	2691.1	2664.9
35°	8128.7	3509.1	2634.8	2552.4	2551.6
37.5°	7881.4	3121.5	2439.8	2425.5	2443.0
40°	7516.0	2782.2	2255.1	2293.2	2293.2
42.5°	7028.5	2487.4	2087.9	2126.7	2116.4
45°	6426.1	2222.6	1909.5	1955.5	1988.8
47.5°	5727.8	1989.6	1727.2	1816.0	1862.0
50°	4968.4	1767.6	1560.7	1674.1	1726.4
52.5°	4172.6	1562.3	1398.3	1528.2	1570.3
55°	3402.1	1377.6	1246.1	1351.5	1399.8
57.5°	2704.6	1201.7	1097.0	1196.9	1296.8
60°	2104.5	1050.3	956.7	1099.4	1199.3
62.5°	1607.5	915.5	825.2	1008.3	1108.1
65°	1216.7	799.0	721.3	924.2	1027.3
67.5°	917.1	698.3	640.5	863.2	963.9
70°	688.8	600.8	575.5	825.2	915.5
72.5°	508.9	511.3	523.9	791.9	860.8
75°	375.7	430.4	484.3	752.2	797.4
77.5°	268.7	356.7	448.6	704.7	720.5
80°	186.3	290.9	411.4	642.1	628.6
82.5°	116.5	233.0	378.1	573.1	535.8
85°	65.8	178.3	354.3	493.0	452.6
87.5°	29.3	133.2	309.9	384.4	359.1
90°	0.0	74.5	205.3	289.3	291.7
92.5°	1.6	61.8	189.4	264.7	272.7
95°	3.2	52.3	180.7	245.7	256.8
97.5°	4.0	46.0	169.6	228.3	237.8
100°	4.8	41.2	156.2	210.1	218.0
102.5°	5.5	38.0	143.5	191.0	197.4
105°	6.3	34.9	131.6	174.4	179.1



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CATALOG NUMBER: OHBL-15SE-N-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.9	27.0	99.1	125.2	129.2
115°	8.7	24.6	88.8	111.0	113.4
117.5°	9.5	21.4	77.7	97.5	98.3
120°	9.5	19.0	66.6	83.2	83.2
122.5°	9.5	15.9	55.5	69.0	68.2
125°	9.5	12.7	45.2	57.1	56.3
127.5°	8.7	10.3	36.5	47.6	46.8
130°	8.7	10.3	29.3	40.4	40.4
132.5°	7.9	9.5	23.8	34.9	34.9
135°	7.9	9.5	19.8	30.9	30.9
137.5°	7.9	10.3	16.6	27.0	27.0
140°	7.9	9.5	14.3	23.8	23.8
142.5°	8.7	9.5	12.7	20.6	20.6
145°	9.5	10.3	11.9	18.2	17.4
147.5°	9.5	11.1	11.9	15.9	15.1
150°	9.5	11.9	11.9	14.3	13.5
152.5°	9.5	11.9	11.9	13.5	12.7
155°	9.5	11.9	12.7	13.5	11.9
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°	6.3	32.5	120.5	156.2	161.7
110°	7.1	29.3	110.2	139.5	145.1



(END OF REPORT)