

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: P829868

Luminaire Tested: **OHBL-15SE-W-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829868
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-L835-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

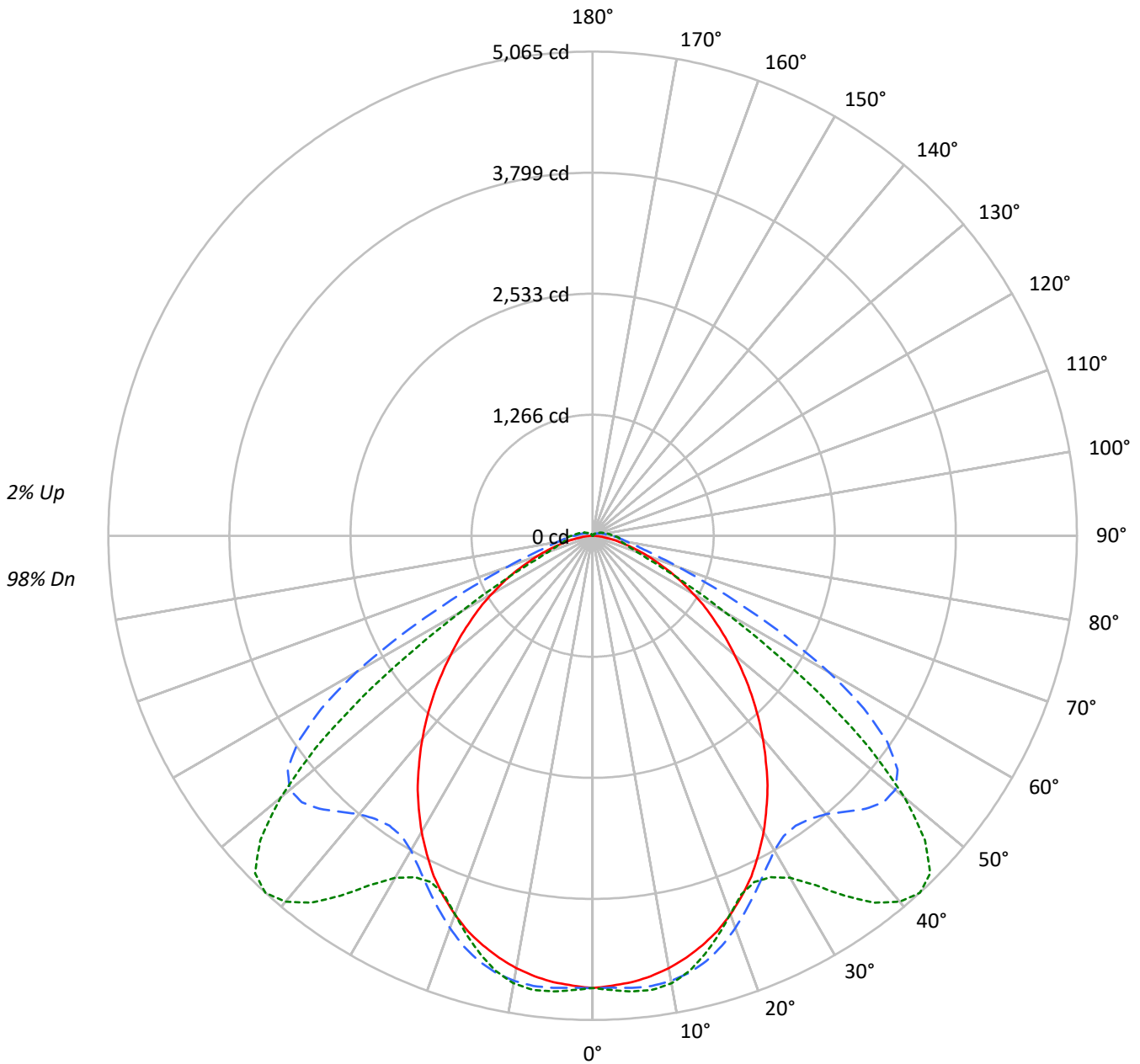
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14166.0 lumens
Efficiency: N/A
Efficacy: 162.8 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 (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	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°	15392	15392	15392
5°	15249	15286	15371
10°	15057	15179	15197
15°	14764	14845	14523
20°	14361	14254	13632
25°	13823	13560	13178
30°	13106	13025	13977
35°	12289	13177	16103
40°	11341	14167	18299
45°	10350	15939	19294
50°	9316	17461	17562
55°	8344	17249	13071
60°	7355	14399	7741
65°	6310	9778	4502
70°	5127	6183	3078
75°	3900	4295	2640
80°	2800	3597	2629
85°	1901	3631	3274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.1	3.2
10°-20°	1280.3	9.0
20°-30°	1873.4	13.2
30°-40°	2433.1	17.2
40°-50°	2971.1	21.0
50°-60°	2616.5	18.5
60°-70°	1363.5	9.6
70°-80°	584.7	4.1
80°-90°	280.8	2.0
90°-100°	131.9	0.9
100°-110°	82.0	0.6
110°-120°	48.5	0.3
120°-130°	26.3	0.2
130°-140°	13.2	0.1
140°-150°	6.4	0.0
150°-160°	2.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3605.8	25.5
0°-40°	6038.9	42.6
0°-60°	11626.5	82.1
0°-90°	13855.4	97.8
90°-120°	262.4	1.9
90°-150°	308.3	2.2
90°-180°	311.0	2.2
0°-180°	14166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4731	4731	4731	4731	4731	
5°	4687	4723	4748	4790	4785	444
15°	4435	4560	4604	4569	4532	1249
25°	3930	4140	4070	3993	3997	1803
35°	3190	3527	3703	4319	4595	1988
45°	2349	2955	4039	4890	4992	1811
55°	1564	2589	3762	3298	2932	1403
65°	897	1794	1722	958	824	888
75°	361	839	553	379	359	394
85°	77	299	282	276	279	85
90°	1	108	186	212	217	5
95°	2	63	148	174	179	2
105°	4	36	96	115	117	4
115°	6	20	59	72	74	6
125°	7	10	35	45	46	6
135°	6	6	16	28	29	5
145°	8	6	7	13	15	5
155°	8	8	6	6	6	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-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4731.2	4731.2	4731.2	4731.2	4731.2
2.5°	4710.8	4731.2	4732.2	4760.8	4757.7
5°	4687.3	4723.0	4748.5	4790.4	4785.3
7.5°	4648.5	4704.6	4749.6	4795.5	4791.4
10°	4593.4	4669.9	4729.1	4766.9	4754.7
12.5°	4521.9	4623.0	4681.2	4689.3	4665.9
15°	4435.2	4559.7	4603.6	4568.9	4532.1
17.5°	4337.2	4483.1	4498.5	4422.9	4377.0
20°	4214.7	4381.1	4365.8	4261.6	4210.6
22.5°	4078.9	4268.8	4219.8	4110.6	4061.6
25°	3929.9	4140.2	4069.7	3993.2	3997.3
27.5°	3755.3	3994.2	3925.8	3960.5	4025.8
30°	3577.7	3841.1	3799.2	4001.3	4130.0
32.5°	3382.8	3683.9	3721.7	4120.8	4331.1
35°	3189.8	3526.7	3703.3	4318.8	4595.4
37.5°	2976.5	3367.5	3732.9	4547.5	4837.3
40°	2769.3	3212.3	3800.3	4752.6	4997.6
42.5°	2558.0	3073.5	3913.6	4874.1	5065.0
45°	2348.8	2955.1	4039.1	4890.4	4992.5
47.5°	2139.5	2855.0	4125.9	4760.8	4713.8
50°	1937.4	2766.2	4132.0	4449.5	4257.6
52.5°	1748.5	2684.6	4019.7	3953.4	3655.3
55°	1563.8	2588.6	3761.5	3298.0	2931.6
57.5°	1395.4	2455.9	3363.4	2593.7	2193.6
60°	1216.7	2276.3	2848.9	1897.6	1582.2
62.5°	1052.4	2052.7	2272.2	1320.9	1137.1
65°	897.2	1793.5	1722.0	957.5	823.7
67.5°	732.9	1525.0	1270.8	698.2	612.5
70°	604.3	1275.9	946.2	543.0	493.0
72.5°	472.6	1039.1	707.4	441.0	413.4
75°	361.3	839.1	553.2	378.7	359.3
77.5°	266.4	663.5	445.0	334.8	316.4
80°	186.8	522.6	372.6	299.1	291.9
82.5°	125.6	404.2	317.5	284.8	285.8
85°	76.6	299.1	281.7	275.6	278.7
87.5°	36.7	212.3	241.9	251.1	254.2
90°	1.0	108.2	185.8	212.3	217.4
92.5°	0.0	82.7	163.3	189.9	195.0
95°	2.0	63.3	148.0	173.5	178.6
97.5°	2.0	52.1	132.7	159.2	162.3
100°	3.1	44.9	118.4	143.9	147.0
102.5°	3.1	39.8	106.2	128.6	130.7
105°	4.1	35.7	96.0	115.3	117.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.1	24.5	67.4	81.7	83.7
115°	6.1	20.4	59.2	72.5	74.5
117.5°	7.1	18.4	52.1	64.3	65.3
120°	7.1	15.3	44.9	57.2	58.2
122.5°	7.1	12.2	39.8	51.0	52.1
125°	7.1	10.2	34.7	44.9	45.9
127.5°	6.1	7.1	29.6	39.8	40.8
130°	6.1	6.1	24.5	34.7	36.7
132.5°	6.1	6.1	20.4	30.6	32.7
135°	6.1	6.1	16.3	27.6	28.6
137.5°	6.1	6.1	13.3	23.5	25.5
140°	6.1	6.1	10.2	20.4	21.4
142.5°	7.1	6.1	9.2	17.4	18.4
145°	8.2	6.1	7.1	13.3	15.3
147.5°	8.2	7.1	7.1	11.2	12.2
150°	8.2	8.2	6.1	8.2	10.2
152.5°	8.2	8.2	6.1	6.1	8.2
155°	8.2	8.2	6.1	6.1	6.1
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°	5.1	31.6	85.7	103.1	105.1
110°	5.1	27.6	75.5	91.9	93.9



(END OF REPORT)