

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: P829844

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829844
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-L835-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

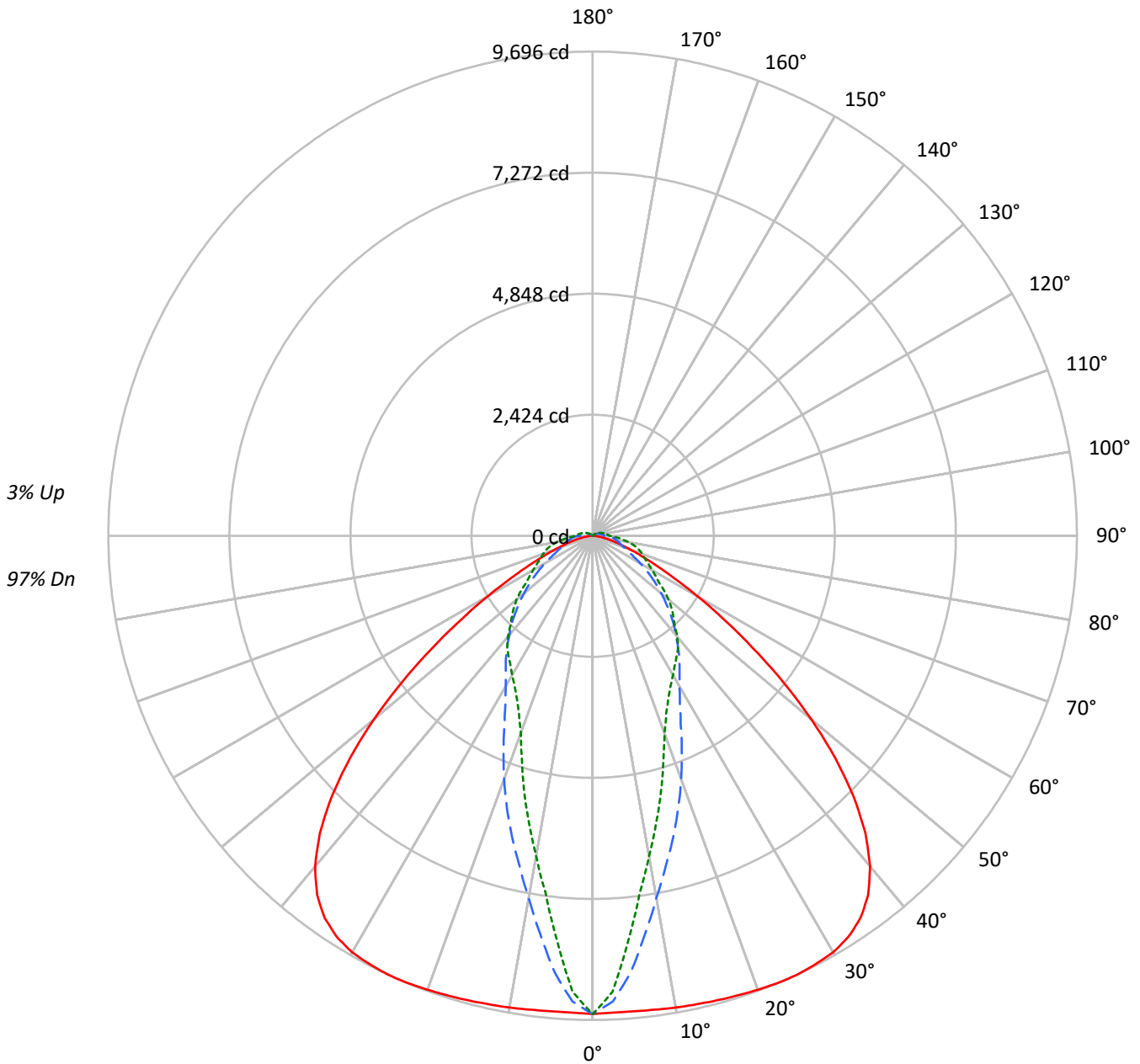
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14136.0 lumens
Efficiency: N/A
Efficacy: 162.5 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				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	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°	31160	31160	31160
5°	31097	28220	26178
10°	31447	23640	20829
15°	32062	20107	16963
20°	32962	16905	13612
25°	34102	13911	11828
30°	35281	11910	10894
35°	36015	10782	10282
40°	35399	9668	9656
45°	32565	8666	8839
50°	27475	7585	8189
55°	20877	6571	7178
60°	14630	5561	6747
65°	9841	4710	6457
70°	6721	4324	6574
75°	4664	4324	6737
80°	3210	4567	6510
85°	1879	5252	6114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.3	5.7
10°-20°	1896.7	13.4
20°-30°	2377.5	16.8
30°-40°	2522.8	17.8
40°-50°	2281.0	16.1
50°-60°	1653.8	11.7
60°-70°	1037.9	7.3
70°-80°	686.8	4.9
80°-90°	395.7	2.8
90°-100°	191.7	1.4
100°-110°	132.3	0.9
110°-120°	81.6	0.6
120°-130°	39.5	0.3
130°-140°	18.2	0.1
140°-150°	9.9	0.1
150°-160°	4.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5080.4	35.9
0°-40°	7603.2	53.8
0°-60°	11537.9	81.6
0°-90°	13658.3	96.6
90°-120°	405.7	2.9
90°-150°	473.3	3.3
90°-180°	478.0	3.4
0°-180°	14136.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9578	9578	9578	9578	9578	
5°	9559	9314	8767	8360	8150	914
15°	9632	7850	6235	5545	5294	2731
25°	9696	6070	4175	3706	3588	4479
35°	9348	4036	3030	2935	2934	5811
45°	7390	2556	2196	2249	2287	5630
55°	3912	1584	1433	1554	1610	3535
65°	1399	919	830	1063	1181	1456
75°	432	495	557	865	917	482
85°	76	205	408	567	520	91
90°	0	86	236	333	336	5
95°	4	60	208	283	295	3
105°	7	40	151	200	206	7
115°	10	28	102	128	130	10
125°	11	15	52	66	65	9
135°	9	11	23	36	36	7
145°	11	12	14	21	20	7
155°	11	14	15	16	14	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9577.9	9577.9	9577.9	9577.9	9577.9
2.5°	9557.8	9503.1	9332.7	9228.8	9141.3
5°	9558.8	9313.5	8766.6	8360.0	8149.5
7.5°	9572.4	9027.3	8041.9	7448.5	7216.9
10°	9593.4	8672.7	7365.5	6732.9	6516.8
12.5°	9608.9	8273.4	6770.3	6120.3	5883.3
15°	9631.7	7850.5	6235.2	5545.1	5293.5
17.5°	9652.6	7452.1	5706.4	4985.4	4705.5
20°	9673.6	7022.8	5177.7	4434.8	4204.2
22.5°	9693.7	6569.7	4661.8	4007.3	3849.6
25°	9695.5	6070.2	4175.0	3705.5	3587.9
27.5°	9671.8	5552.4	3780.3	3453.0	3380.1
30°	9630.8	5050.1	3474.0	3270.7	3218.8
32.5°	9528.7	4537.8	3237.0	3094.8	3064.7
35°	9348.2	4035.5	3030.1	2935.3	2934.4
37.5°	9063.8	3589.8	2805.8	2789.4	2809.5
40°	8643.5	3199.6	2593.4	2637.2	2637.2
42.5°	8082.9	2860.5	2401.1	2445.7	2433.9
45°	7390.1	2556.0	2196.0	2248.8	2287.1
47.5°	6587.0	2288.0	1986.3	2088.4	2141.3
50°	5713.7	2032.8	1794.9	1925.2	1985.4
52.5°	4798.5	1796.7	1608.0	1757.5	1805.8
55°	3912.5	1584.3	1433.0	1554.2	1609.8
57.5°	3110.3	1381.9	1261.6	1376.5	1491.3
60°	2420.2	1207.8	1100.3	1264.4	1379.2
62.5°	1848.7	1052.9	948.9	1159.5	1274.4
65°	1399.3	918.9	829.5	1062.9	1181.4
67.5°	1054.7	803.1	736.6	992.7	1108.5
70°	792.2	691.0	661.8	948.9	1052.9
72.5°	585.2	588.0	602.5	910.7	990.0
75°	432.1	495.0	557.0	865.1	917.0
77.5°	309.0	410.2	516.0	810.4	828.6
80°	214.2	334.5	473.1	738.4	722.9
82.5°	134.0	268.0	434.8	659.1	616.2
85°	75.7	205.1	407.5	567.0	520.5
87.5°	33.7	153.1	356.4	442.1	412.9
90°	0.0	85.7	236.1	332.7	335.5
92.5°	1.8	71.1	217.9	304.5	313.6
95°	3.6	60.2	207.8	282.6	295.3
97.5°	4.6	52.9	195.1	262.5	273.5
100°	5.5	47.4	179.6	241.6	250.7
102.5°	6.4	43.8	165.0	219.7	227.0
105°	7.3	40.1	151.3	200.5	206.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.1	31.0	113.9	144.0	148.6
115°	10.0	28.3	102.1	127.6	130.4
117.5°	10.9	24.6	89.3	112.1	113.0
120°	10.9	21.9	76.6	95.7	95.7
122.5°	10.9	18.2	63.8	79.3	78.4
125°	10.9	14.6	52.0	65.6	64.7
127.5°	10.0	11.9	41.9	54.7	53.8
130°	10.0	11.9	33.7	46.5	46.5
132.5°	9.1	10.9	27.3	40.1	40.1
135°	9.1	10.9	22.8	35.6	35.6
137.5°	9.1	11.9	19.1	31.0	31.0
140°	9.1	10.9	16.4	27.3	27.3
142.5°	10.0	10.9	14.6	23.7	23.7
145°	10.9	11.9	13.7	21.0	20.1
147.5°	10.9	12.8	13.7	18.2	17.3
150°	10.9	13.7	13.7	16.4	15.5
152.5°	10.9	13.7	13.7	15.5	14.6
155°	10.9	13.7	14.6	15.5	13.7
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°	7.3	37.4	138.6	179.6	186.0
110°	8.2	33.7	126.7	160.4	166.8



(END OF REPORT)