

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: P829856

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-NL-UNV-L835-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

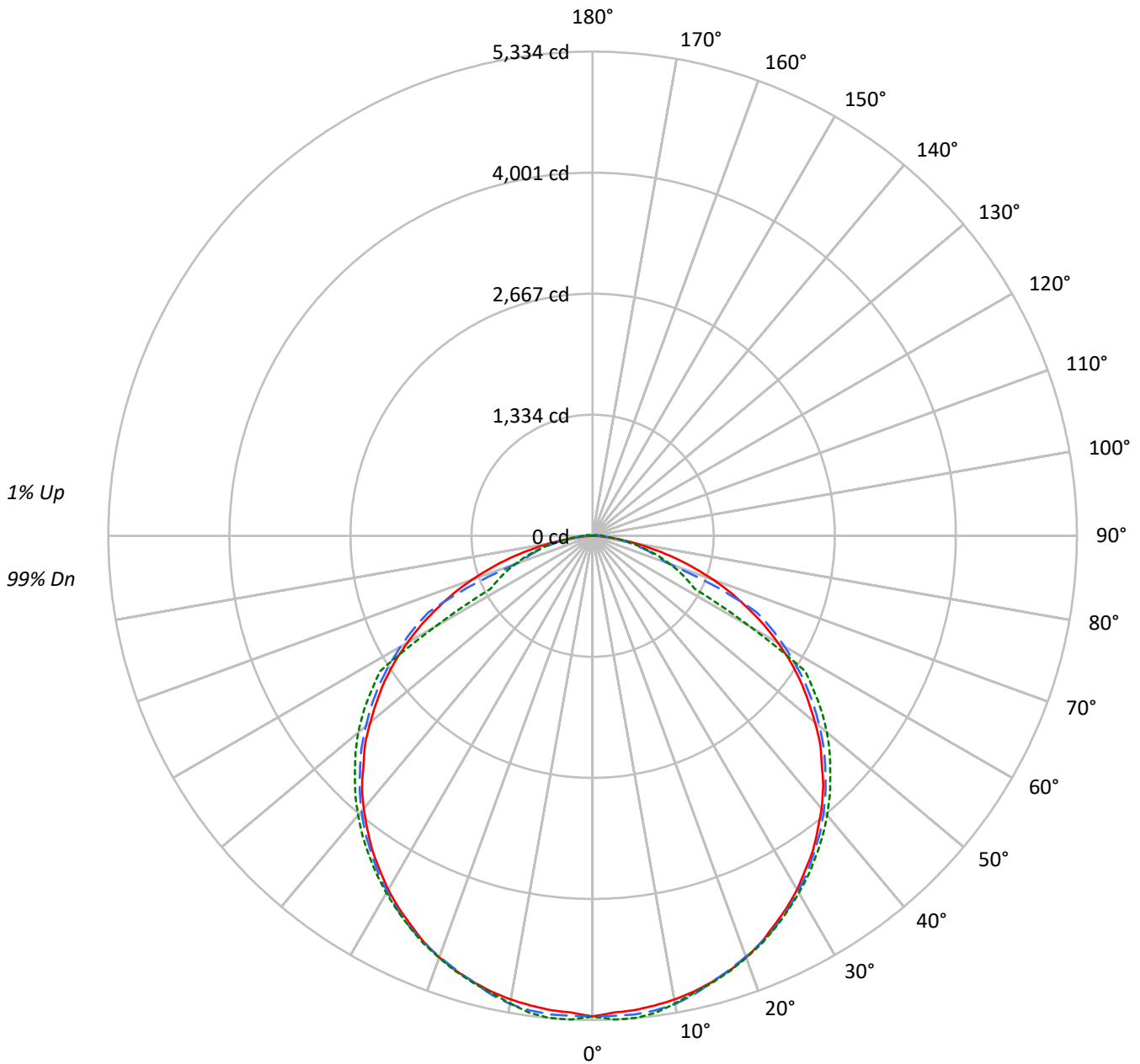
Lumens per Lamp: N/A
Luminaire Lumens: 14867.0 lumens
Efficiency: N/A
Efficacy: 170.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 3.78' x H: 0')
CIE Type: Direct

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

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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	111	111	111	106	106	106	102	102	102	99																			
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84																			
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71																			
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60																			
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17227	17227	17227
5°	17132	17287	17417
10°	17137	17299	17278
15°	17134	17131	17168
20°	17110	17084	17126
25°	16993	17080	17094
30°	16915	17002	17069
35°	16805	16897	17056
40°	16660	16818	17067
45°	16420	16668	17031
50°	16172	16502	17047
55°	15863	16274	16859
60°	15332	15876	13125
65°	14505	15349	8833
70°	13417	8148	8573
75°	11703	7743	8187
80°	8998	7102	7503
85°	4543	7178	7350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.1	3.4
10°-20°	1440.4	9.7
20°-30°	2191.7	14.7
30°-40°	2664.8	17.9
40°-50°	2801.9	18.8
50°-60°	2558.5	17.2
60°-70°	1640.1	11.0
70°-80°	774.8	5.2
80°-90°	214.8	1.4
90°-100°	56.9	0.4
100°-110°	15.6	0.1
110°-120°	4.3	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4135.2	27.8
0°-40°	6800.0	45.7
0°-60°	12160.5	81.8
0°-90°	14790.2	99.5
90°-120°	76.8	0.5
90°-150°	76.8	0.5
90°-180°	77.0	0.5
0°-180°	14867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5295	5295	5295	5295	5295	
5°	5246	5266	5293	5322	5333	499
15°	5087	5125	5086	5094	5097	1436
25°	4734	4741	4758	4766	4762	2184
35°	4231	4206	4255	4307	4294	2644
45°	3569	3562	3623	3708	3702	2758
55°	2797	2775	2869	2965	2972	2494
65°	1884	1884	1994	1144	1148	1868
75°	931	949	616	649	651	981
85°	122	154	192	208	197	180
90°	0	52	86	101	100	5
95°	3	27	61	83	83	2
105°	5	10	15	15	14	5
115°	5	6	9	6	1	3
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5295.2	5295.2	5295.2	5295.2	5295.2
2.5°	5258.1	5275.8	5295.2	5320.3	5334.2
5°	5246.0	5266.4	5293.4	5322.2	5333.3
7.5°	5220.0	5248.7	5274.8	5295.2	5301.7
10°	5187.4	5221.9	5236.7	5234.8	5230.2
12.5°	5143.8	5180.0	5175.4	5154.0	5157.7
15°	5087.1	5125.2	5086.2	5093.6	5097.3
17.5°	5020.2	5057.4	5011.8	5026.7	5027.7
20°	4942.2	4970.0	4934.7	4946.8	4946.8
22.5°	4848.3	4867.8	4853.0	4861.3	4863.2
25°	4734.0	4741.4	4758.1	4765.6	4761.9
27.5°	4624.4	4615.1	4647.7	4665.3	4655.9
30°	4502.7	4487.8	4525.9	4554.7	4543.6
32.5°	4363.3	4354.0	4397.7	4432.0	4425.5
35°	4231.4	4206.3	4254.6	4306.6	4294.5
37.5°	4075.2	4060.4	4115.2	4170.1	4163.6
40°	3922.9	3897.8	3960.0	4025.1	4018.6
42.5°	3759.4	3729.6	3797.4	3875.5	3868.1
45°	3568.8	3562.3	3622.7	3708.2	3701.7
47.5°	3399.8	3367.3	3451.8	3534.5	3542.0
50°	3195.3	3183.3	3260.4	3360.8	3368.1
52.5°	2995.6	2987.2	3068.0	3169.3	3182.3
55°	2796.7	2775.4	2869.2	2964.9	2972.4
57.5°	2584.0	2561.7	2657.4	2761.5	2777.2
60°	2356.3	2334.9	2439.9	2536.6	2017.2
62.5°	2128.7	2113.8	2223.5	1574.9	1269.3
65°	1884.3	1884.3	1993.9	1143.8	1147.5
67.5°	1655.8	1640.9	1486.7	1027.6	1027.6
70°	1410.5	1416.1	856.6	900.4	901.3
72.5°	1164.2	1184.7	739.7	774.9	776.7
75°	931.0	948.7	616.0	648.6	651.3
77.5°	683.9	525.9	495.2	520.4	521.3
80°	480.3	331.7	379.1	403.2	400.5
82.5°	280.6	232.3	277.8	295.5	294.5
85°	121.7	154.2	192.3	208.2	196.9
87.5°	39.0	95.7	119.8	129.2	128.2
90°	0.0	52.0	85.5	101.2	99.5
92.5°	0.0	40.8	74.4	93.0	93.8
95°	2.8	27.0	61.4	82.7	82.7
97.5°	1.9	19.5	43.7	65.0	66.9
100°	1.9	15.7	28.8	46.4	47.4
102.5°	4.6	13.0	17.6	29.7	30.7
105°	4.6	10.2	14.9	14.9	14.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	7.5	10.2	7.5	0.9
115°	4.6	6.5	9.2	6.5	0.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	4.6	9.2	13.0	8.4	2.8
110°	5.6	8.4	11.1	7.5	0.9



(END OF REPORT)