

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: P829816

Luminaire Tested: **OHBL-15SE-MCL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-MCL-UNV-L735-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

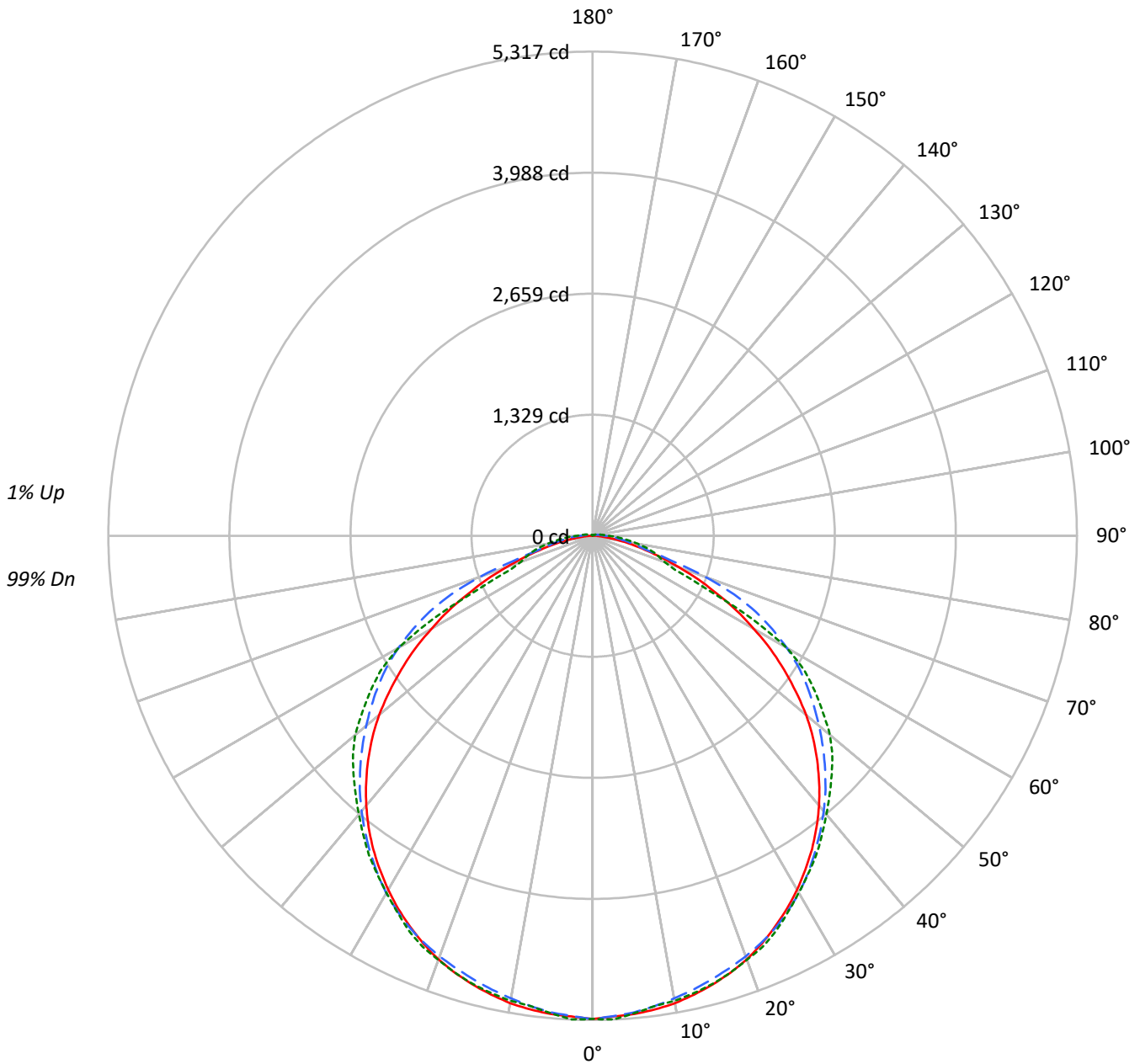
Lumens per Lamp: N/A
Luminaire Lumens: 14997.0 lumens
Efficiency: N/A
Efficacy: 172.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17262	17262	17262
5°	17149	16910	16903
10°	17086	16555	16576
15°	16978	16267	16327
20°	16869	16049	16043
25°	16666	15828	15760
30°	16444	15536	15317
35°	16180	15132	15001
40°	15836	14713	14619
45°	15359	14238	14344
50°	14712	13707	14032
55°	13685	13168	13286
60°	12341	12436	12041
65°	10586	11222	7442
70°	8527	8552	5221
75°	6393	4908	5061
80°	4450	3873	4504
85°	2532	3234	3731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.3	3.3
10°-20°	1434.6	9.6
20°-30°	2191.1	14.6
30°-40°	2658.6	17.7
40°-50°	2786.5	18.6
50°-60°	2525.0	16.8
60°-70°	1692.9	11.3
70°-80°	760.2	5.1
80°-90°	275.8	1.8
90°-100°	83.0	0.6
100°-110°	39.2	0.3
110°-120°	19.6	0.1
120°-130°	10.8	0.1
130°-140°	7.4	0.0
140°-150°	5.0	0.0
150°-160°	3.7	0.0
160°-170°	2.4	0.0
170°-180°	0.8	0.0
0°-30°	4126.1	27.5
0°-40°	6784.7	45.2
0°-60°	12096.1	80.7
0°-90°	14825.0	98.9
90°-120°	141.9	0.9
90°-150°	165.2	1.1
90°-180°	172.0	1.1
0°-180°	14997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5306	5306	5306	5306	5306	
5°	5271	5290	5253	5269	5262	501
15°	5100	5080	5044	5089	5095	1440
25°	4738	4718	4750	4794	4780	2184
35°	4200	4210	4253	4298	4281	2625
45°	3485	3542	3608	3700	3712	2685
55°	2565	2688	2872	2987	2980	2289
65°	1505	1741	1976	1668	1362	1500
75°	592	859	632	647	689	647
85°	102	196	251	303	318	124
90°	1	65	130	163	170	6
95°	1	41	89	108	111	1
105°	3	18	44	53	55	4
115°	6	9	22	28	30	6
125°	5	6	14	16	17	5
135°	7	8	8	12	13	5
145°	7	8	8	8	9	5
155°	8	8	8	8	8	4
165°	8	8	8	8	8	2
175°	8	8	8	7	7	1
180°	8	8	8	8	8	



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CATALOG NUMBER: OHBL-15SE-MCL-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5306.0	5306.0	5306.0	5306.0	5306.0
2.5°	5284.5	5306.7	5279.1	5309.0	5316.7
5°	5271.4	5289.8	5253.0	5269.1	5262.2
7.5°	5247.6	5253.8	5210.1	5223.1	5209.3
10°	5212.4	5209.3	5157.9	5183.2	5186.3
12.5°	5160.2	5151.0	5104.9	5143.3	5144.1
15°	5100.3	5080.4	5044.3	5088.8	5095.0
17.5°	5031.3	5005.2	4981.4	5039.0	5029.8
20°	4950.7	4920.0	4915.4	4978.4	4955.3
22.5°	4851.0	4827.2	4838.0	4897.8	4883.2
25°	4738.2	4717.5	4750.5	4794.2	4780.4
27.5°	4619.3	4607.0	4644.6	4678.4	4651.5
30°	4488.9	4482.0	4531.8	4559.5	4525.7
32.5°	4347.0	4349.3	4396.8	4434.4	4403.0
35°	4199.6	4209.6	4252.6	4297.9	4281.0
37.5°	4037.8	4060.0	4103.0	4154.4	4136.7
40°	3866.7	3898.9	3946.5	4008.6	3992.5
42.5°	3681.8	3722.5	3783.8	3852.9	3851.3
45°	3485.4	3542.2	3608.1	3700.2	3711.7
47.5°	3281.3	3345.0	3428.6	3551.4	3569.0
50°	3059.6	3139.4	3243.7	3391.0	3401.8
52.5°	2812.6	2921.5	3059.6	3200.8	3187.7
55°	2564.7	2688.3	2871.6	2986.7	2979.8
57.5°	2317.7	2456.6	2679.1	2761.2	2760.4
60°	2041.5	2217.2	2460.4	2522.6	2461.2
62.5°	1786.0	1974.8	2227.2	2181.9	1971.7
65°	1505.2	1740.8	1976.3	1667.9	1361.8
67.5°	1255.9	1501.4	1678.6	1142.4	978.2
70°	1005.0	1275.9	1308.8	847.8	836.2
72.5°	782.5	1071.0	903.0	725.8	762.6
75°	592.3	859.3	632.2	646.7	688.9
77.5°	431.9	659.8	491.8	567.0	601.5
80°	296.9	467.2	401.2	476.4	500.2
82.5°	186.4	308.4	321.5	383.6	408.2
85°	102.0	195.6	250.9	303.0	317.6
87.5°	42.2	118.1	191.8	234.0	246.3
90°	0.8	65.2	129.7	162.6	170.3
92.5°	0.8	49.9	105.9	131.2	136.6
95°	0.8	40.7	89.0	108.2	111.2
97.5°	1.5	32.2	74.4	89.8	92.8
100°	2.3	26.9	62.1	75.2	77.5
102.5°	3.1	21.5	52.2	62.9	65.2
105°	3.1	17.6	43.7	52.9	55.2



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CATALOG NUMBER: OHBL-15SE-MCL-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	10.7	26.1	33.0	34.5
115°	6.1	9.2	22.2	28.4	29.9
117.5°	6.1	7.7	19.2	23.8	25.3
120°	6.1	6.9	16.9	20.7	21.5
122.5°	6.1	6.1	14.6	18.4	19.2
125°	5.4	6.1	13.8	16.1	16.9
127.5°	6.1	6.1	12.3	14.6	15.3
130°	6.1	6.9	10.7	13.8	13.8
132.5°	6.9	7.7	10.0	13.0	13.0
135°	6.9	7.7	8.4	12.3	13.0
137.5°	7.7	7.7	7.7	11.5	12.3
140°	7.7	7.7	6.9	10.0	10.7
142.5°	6.9	7.7	6.9	9.2	10.0
145°	6.9	7.7	7.7	8.4	9.2
147.5°	7.7	7.7	7.7	7.7	8.4
150°	7.7	7.7	7.7	7.7	7.7
152.5°	7.7	7.7	7.7	7.7	7.7
155°	7.7	8.4	8.4	8.4	7.7
157.5°	7.7	8.4	8.4	8.4	8.4
160°	7.7	8.4	8.4	8.4	8.4
162.5°	8.4	8.4	8.4	8.4	8.4
165°	8.4	8.4	8.4	8.4	8.4
167.5°	8.4	9.2	8.4	8.4	8.4
170°	8.4	8.4	8.4	7.7	7.7
172.5°	8.4	8.4	8.4	7.7	7.7
175°	8.4	8.4	7.7	6.9	6.9
177.5°	9.2	8.4	7.7	6.9	6.1
180°	7.7	7.7	7.7	7.7	7.7



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	3.8	14.6	37.6	45.3	46.8
110°	4.6	12.3	31.5	38.4	39.9



(END OF REPORT)