

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: P829768

Luminaire Tested: **OHBL-12SE-N-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829768
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-12SE-N-UNV-L735-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

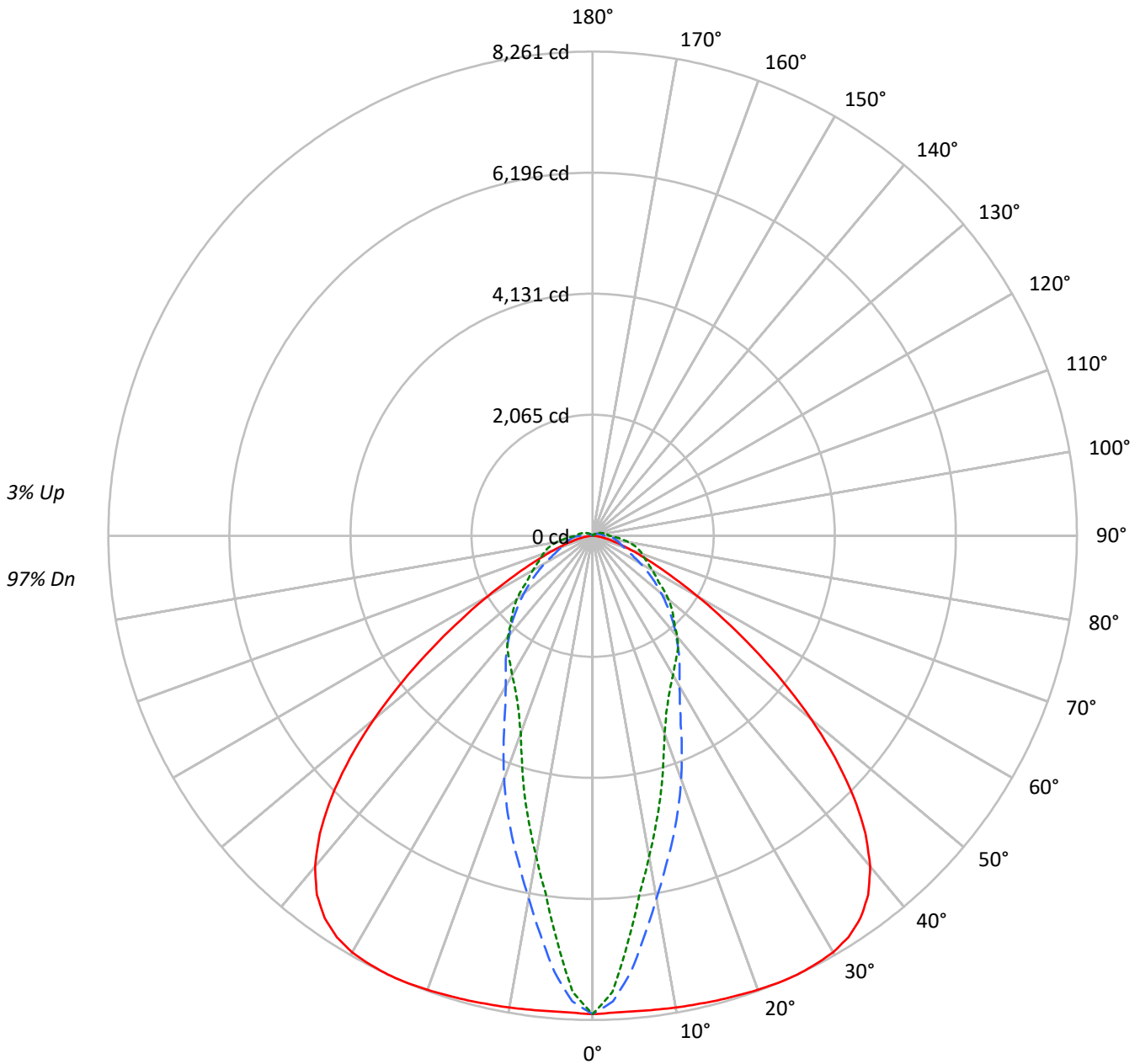
Lumens per Lamp: N/A
Luminaire Lumens: 12045.0 lumens
Efficiency: N/A
Efficacy: 172.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26551	26551	26551
5°	26497	24046	22306
10°	26796	20144	17748
15°	27319	17133	14454
20°	28086	14404	11598
25°	29058	11853	10079
30°	30062	10148	9282
35°	30688	9187	8761
40°	30163	8238	8228
45°	27748	7384	7531
50°	23411	6463	6978
55°	17789	5599	6116
60°	12466	4738	5749
65°	8386	4013	5501
70°	5727	3685	5601
75°	3974	3685	5741
80°	2735	3891	5546
85°	1601	4475	5210



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.0	5.7
10°-20°	1616.1	13.4
20°-30°	2025.8	16.8
30°-40°	2149.6	17.8
40°-50°	1943.6	16.1
50°-60°	1409.2	11.7
60°-70°	884.3	7.3
70°-80°	585.2	4.9
80°-90°	337.2	2.8
90°-100°	163.3	1.4
100°-110°	112.7	0.9
110°-120°	69.6	0.6
120°-130°	33.7	0.3
130°-140°	15.5	0.1
140°-150°	8.5	0.1
150°-160°	3.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4328.9	35.9
0°-40°	6478.5	53.8
0°-60°	9831.3	81.6
0°-90°	11638.0	96.6
90°-120°	345.6	2.9
90°-150°	403.3	3.3
90°-180°	407.0	3.4
0°-180°	12045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8161	8161	8161	8161	8161	
5°	8145	7936	7470	7123	6944	779
15°	8207	6689	5313	4725	4510	2327
25°	8261	5172	3557	3157	3057	3817
35°	7965	3439	2582	2501	2500	4952
45°	6297	2178	1871	1916	1949	4797
55°	3334	1350	1221	1324	1372	3012
65°	1192	783	707	906	1007	1241
75°	368	422	475	737	781	410
85°	64	175	347	483	444	77
90°	0	73	201	284	286	4
95°	3	51	177	241	252	3
105°	6	34	129	171	176	6
115°	8	24	87	109	111	8
125°	9	12	44	56	55	8
135°	8	9	19	30	30	6
145°	9	10	12	18	17	6
155°	9	12	12	13	12	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-12SE-N-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8161.1	8161.1	8161.1	8161.1	8161.1
2.5°	8144.0	8097.4	7952.2	7863.6	7789.1
5°	8144.8	7935.9	7469.8	7123.4	6944.0
7.5°	8156.5	7692.0	6852.3	6346.7	6149.4
10°	8174.3	7389.8	6276.0	5736.9	5552.9
12.5°	8187.5	7049.6	5768.8	5215.0	5013.0
15°	8207.0	6689.2	5312.9	4724.9	4510.5
17.5°	8224.8	6349.8	4862.3	4248.0	4009.5
20°	8242.7	5983.9	4411.8	3778.8	3582.3
22.5°	8259.8	5597.9	3972.2	3414.5	3280.1
25°	8261.3	5172.3	3557.4	3157.4	3057.2
27.5°	8241.1	4731.1	3221.1	2942.3	2880.1
30°	8206.2	4303.1	2960.1	2786.9	2742.6
32.5°	8119.2	3866.6	2758.2	2637.0	2611.4
35°	7965.4	3438.6	2581.9	2501.1	2500.3
37.5°	7723.1	3058.8	2390.8	2376.8	2393.9
40°	7365.0	2726.3	2209.8	2247.1	2247.1
42.5°	6887.3	2437.4	2045.9	2084.0	2073.9
45°	6297.0	2178.0	1871.1	1916.2	1948.8
47.5°	5612.7	1949.6	1692.5	1779.5	1824.5
50°	4868.6	1732.1	1529.4	1640.5	1691.7
52.5°	4088.7	1530.9	1370.2	1497.5	1538.7
55°	3333.7	1350.0	1221.0	1324.3	1371.7
57.5°	2650.2	1177.5	1075.0	1172.9	1270.7
60°	2062.2	1029.2	937.5	1077.3	1175.2
62.5°	1575.2	897.1	808.6	988.0	1085.9
65°	1192.3	782.9	706.8	905.7	1006.6
67.5°	898.7	684.3	627.6	845.9	944.5
70°	675.0	588.8	563.9	808.6	897.1
72.5°	498.7	501.0	513.4	776.0	843.5
75°	368.2	421.8	474.6	737.1	781.4
77.5°	263.3	349.5	439.6	690.5	706.0
80°	182.5	285.1	403.1	629.2	615.9
82.5°	114.2	228.4	370.5	561.6	525.1
85°	64.5	174.8	347.2	483.1	443.5
87.5°	28.7	130.5	303.7	376.7	351.9
90°	0.0	73.0	201.2	283.5	285.8
92.5°	1.6	60.6	185.6	259.4	267.2
95°	3.1	51.3	177.1	240.8	251.7
97.5°	3.9	45.1	166.2	223.7	233.0
100°	4.7	40.4	153.0	205.8	213.6
102.5°	5.4	37.3	140.6	187.2	193.4
105°	6.2	34.2	128.9	170.9	175.5



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CATALOG NUMBER: OHBL-12SE-N-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.8	26.4	97.1	122.7	126.6
115°	8.5	24.1	87.0	108.7	111.1
117.5°	9.3	21.0	76.1	95.5	96.3
120°	9.3	18.6	65.2	81.6	81.6
122.5°	9.3	15.5	54.4	67.6	66.8
125°	9.3	12.4	44.3	55.9	55.1
127.5°	8.5	10.1	35.7	46.6	45.8
130°	8.5	10.1	28.7	39.6	39.6
132.5°	7.8	9.3	23.3	34.2	34.2
135°	7.8	9.3	19.4	30.3	30.3
137.5°	7.8	10.1	16.3	26.4	26.4
140°	7.8	9.3	14.0	23.3	23.3
142.5°	8.5	9.3	12.4	20.2	20.2
145°	9.3	10.1	11.7	17.9	17.1
147.5°	9.3	10.9	11.7	15.5	14.8
150°	9.3	11.7	11.7	14.0	13.2
152.5°	9.3	11.7	11.7	13.2	12.4
155°	9.3	11.7	12.4	13.2	11.7
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°	6.2	31.8	118.1	153.0	158.5
110°	7.0	28.7	108.0	136.7	142.1



(END OF REPORT)