

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: P830256

Luminaire Tested: **OHBL-30SE-MCL-UNV-L935-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830256
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-30SE-MCL-UNV-L935-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

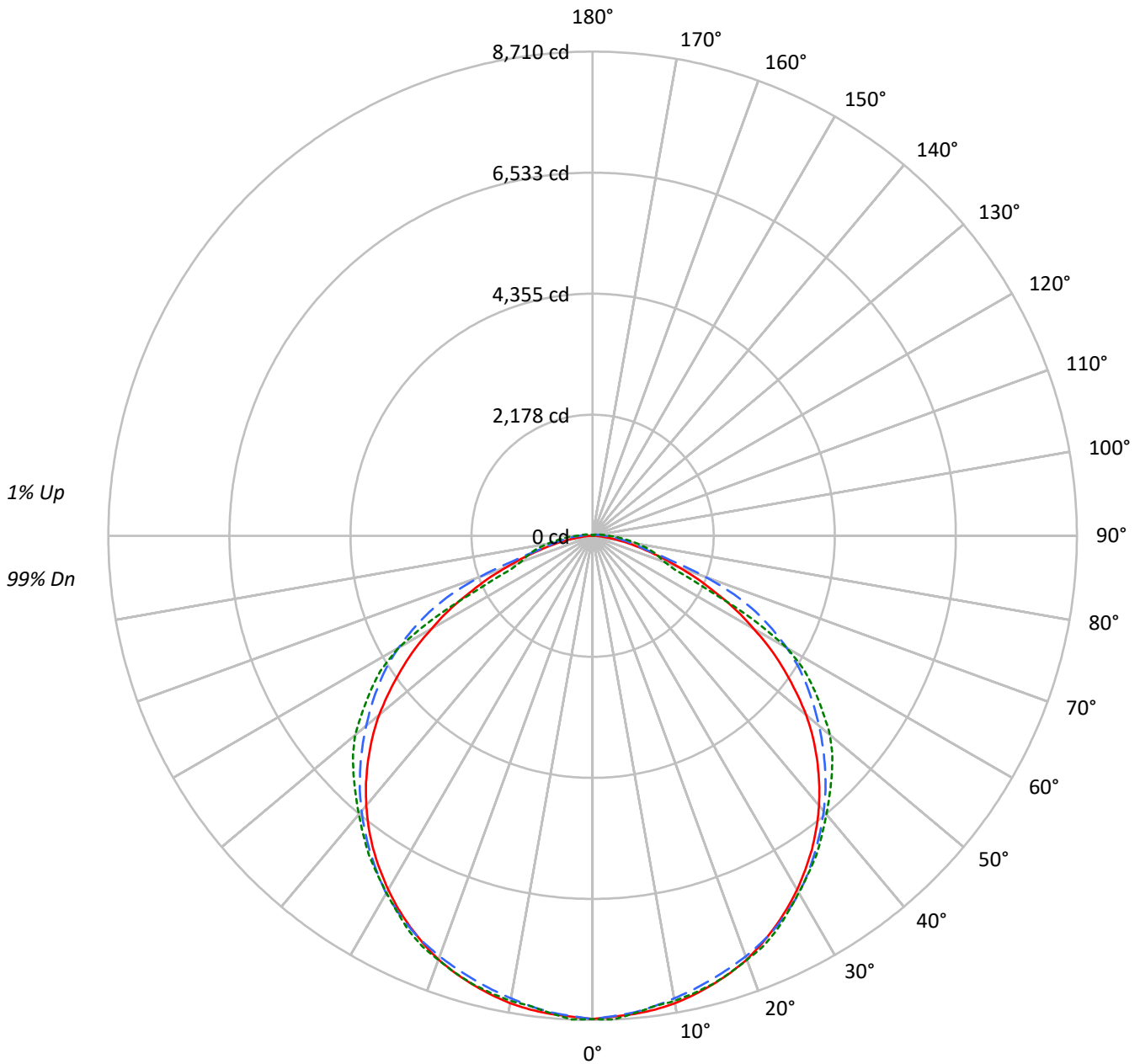
Lumens per Lamp: N/A
Luminaire Lumens: 24569.0 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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°	14847	14847	14847
5°	14750	14624	14652
10°	14696	14396	14480
15°	14602	14224	14374
20°	14509	14113	14237
25°	14334	14001	14101
30°	14144	13829	13824
35°	13916	13559	13666
40°	13620	13280	13454
45°	13210	12958	13352
50°	12654	12591	13231
55°	11771	12229	12720
60°	10614	11704	11739
65°	9105	10738	7424
70°	7334	8366	5367
75°	5498	4952	5424
80°	3827	4097	5143
85°	2179	3721	4757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	819.6	3.3
10°-20°	2350.3	9.6
20°-30°	3589.6	14.6
30°-40°	4355.5	17.7
40°-50°	4565.0	18.6
50°-60°	4136.5	16.8
60°-70°	2773.4	11.3
70°-80°	1245.4	5.1
80°-90°	451.9	1.8
90°-100°	136.0	0.6
100°-110°	64.2	0.3
110°-120°	32.2	0.1
120°-130°	17.8	0.1
130°-140°	12.2	0.0
140°-150°	8.2	0.0
150°-160°	6.1	0.0
160°-170°	3.9	0.0
170°-180°	1.2	0.0
0°-30°	6759.6	27.5
0°-40°	11115.0	45.2
0°-60°	19816.5	80.7
0°-90°	24287.2	98.9
90°-120°	232.4	0.9
90°-150°	270.6	1.1
90°-180°	282.0	1.1
0°-180°	24569.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8692	8692	8692	8692	8692	
5°	8636	8666	8606	8632	8621	821
15°	8356	8323	8264	8337	8347	2359
25°	7762	7728	7783	7854	7832	3578
35°	6880	6896	6967	7041	7013	4300
45°	5710	5803	5911	6062	6081	4399
55°	4202	4404	4704	4893	4882	3751
65°	2466	2852	3238	2732	2231	2457
75°	970	1408	1036	1060	1129	1060
85°	167	320	411	496	520	204
90°	1	107	212	266	279	10
95°	1	67	146	177	182	2
105°	5	29	72	87	90	6
115°	10	15	36	46	49	9
125°	9	10	23	26	28	9
135°	11	13	14	20	21	9
145°	11	13	13	14	15	7
155°	13	14	14	14	13	6
165°	14	14	14	14	14	4
175°	14	14	13	11	11	1
180°	13	13	13	13	13	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8692.5	8692.5	8692.5	8692.5	8692.5
2.5°	8657.3	8693.8	8648.5	8697.6	8710.1
5°	8636.0	8666.1	8605.8	8632.2	8620.9
7.5°	8597.0	8607.1	8535.4	8556.8	8534.2
10°	8539.2	8534.2	8450.0	8491.4	8496.5
12.5°	8453.7	8438.6	8363.2	8426.1	8427.3
15°	8355.7	8323.0	8263.9	8336.8	8346.9
17.5°	8242.6	8199.8	8160.9	8255.1	8240.1
20°	8110.6	8060.3	8052.8	8155.8	8118.1
22.5°	7947.2	7908.2	7925.8	8023.9	8000.0
25°	7762.4	7728.5	7782.6	7854.2	7831.6
27.5°	7567.6	7547.5	7609.1	7664.4	7620.4
30°	7354.0	7342.7	7424.3	7469.6	7414.3
32.5°	7121.4	7125.2	7203.1	7264.7	7213.2
35°	6880.1	6896.5	6966.8	7041.0	7013.4
37.5°	6614.9	6651.4	6721.8	6806.0	6777.1
40°	6334.6	6387.4	6465.4	6567.2	6540.8
42.5°	6031.7	6098.3	6198.9	6312.0	6309.5
45°	5710.0	5803.0	5911.1	6061.9	6080.8
47.5°	5375.6	5480.0	5617.0	5818.1	5847.0
50°	5012.4	5143.1	5314.1	5555.4	5573.0
52.5°	4607.7	4786.2	5012.4	5243.7	5222.3
55°	4201.7	4404.1	4704.5	4893.0	4881.7
57.5°	3797.0	4024.5	4389.0	4523.5	4522.2
60°	3344.5	3632.4	4030.8	4132.6	4032.0
62.5°	2926.0	3235.2	3648.7	3574.5	3230.2
65°	2466.0	2851.8	3237.7	2732.4	2230.9
67.5°	2057.5	2459.7	2750.0	1871.5	1602.5
70°	1646.5	2090.2	2144.2	1388.8	1370.0
72.5°	1282.0	1754.6	1479.3	1189.0	1249.3
75°	970.3	1407.7	1035.7	1059.5	1128.7
77.5°	707.6	1080.9	805.7	928.8	985.4
80°	486.4	765.4	657.3	780.5	819.5
82.5°	305.4	505.3	526.6	628.4	668.7
85°	167.2	320.5	411.0	496.5	520.3
87.5°	69.1	193.6	314.2	383.3	403.5
90°	1.3	106.8	212.4	266.5	279.0
92.5°	1.3	81.7	173.4	214.9	223.7
95°	1.3	66.6	145.8	177.2	182.2
97.5°	2.5	52.8	121.9	147.1	152.1
100°	3.8	44.0	101.8	123.2	126.9
102.5°	5.0	35.2	85.5	103.1	106.8
105°	5.0	28.9	71.6	86.7	90.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.8	17.6	42.7	54.0	56.6
115°	10.1	15.1	36.4	46.5	49.0
117.5°	10.1	12.6	31.4	39.0	41.5
120°	10.1	11.3	27.7	33.9	35.2
122.5°	10.1	10.1	23.9	30.2	31.4
125°	8.8	10.1	22.6	26.4	27.7
127.5°	10.1	10.1	20.1	23.9	25.1
130°	10.1	11.3	17.6	22.6	22.6
132.5°	11.3	12.6	16.3	21.4	21.4
135°	11.3	12.6	13.8	20.1	21.4
137.5°	12.6	12.6	12.6	18.9	20.1
140°	12.6	12.6	11.3	16.3	17.6
142.5°	11.3	12.6	11.3	15.1	16.3
145°	11.3	12.6	12.6	13.8	15.1
147.5°	12.6	12.6	12.6	12.6	13.8
150°	12.6	12.6	12.6	12.6	12.6
152.5°	12.6	12.6	12.6	12.6	12.6
155°	12.6	13.8	13.8	13.8	12.6
157.5°	12.6	13.8	13.8	13.8	13.8
160°	12.6	13.8	13.8	13.8	13.8
162.5°	13.8	13.8	13.8	13.8	13.8
165°	13.8	13.8	13.8	13.8	13.8
167.5°	13.8	15.1	13.8	13.8	13.8
170°	13.8	13.8	13.8	12.6	12.6
172.5°	13.8	13.8	13.8	12.6	12.6
175°	13.8	13.8	12.6	11.3	11.3
177.5°	15.1	13.8	12.6	11.3	10.1
180°	12.6	12.6	12.6	12.6	12.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.3	23.9	61.6	74.2	76.7
110°	7.5	20.1	51.5	62.8	65.4



(END OF REPORT)