

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: P830268

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-MFL-UNV-L935-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

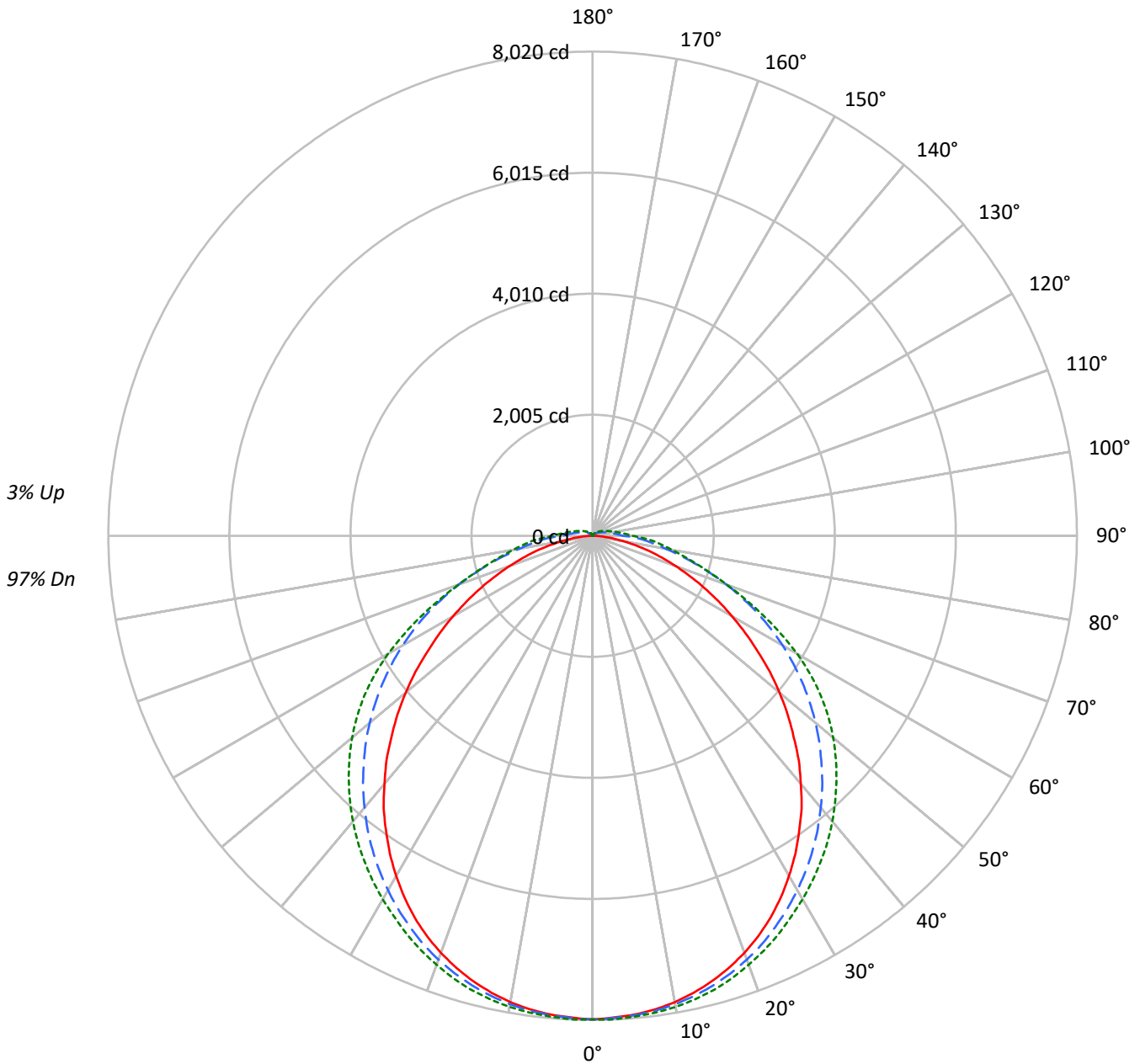
Lumens per Lamp: N/A
Luminaire Lumens: 23978.0 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				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	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13684	13684	13684
5°	13596	13548	13587
10°	13501	13423	13507
15°	13350	13274	13405
20°	13150	13093	13260
25°	12883	12869	13113
30°	12513	12626	12964
35°	12064	12368	12834
40°	11526	12070	12705
45°	10892	11747	12542
50°	10197	11420	12346
55°	9344	11020	12022
60°	8469	10550	11390
65°	7515	9950	10361
70°	6481	9188	9248
75°	5433	8306	8480
80°	4119	7652	8356
85°	2606	7882	9215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.2	3.2
10°-20°	2177.9	9.1
20°-30°	3293.7	13.7
30°-40°	3954.2	16.5
40°-50°	4084.0	17.0
50°-60°	3674.3	15.3
60°-70°	2767.8	11.5
70°-80°	1671.3	7.0
80°-90°	817.4	3.4
90°-100°	344.1	1.4
100°-110°	196.4	0.8
110°-120°	115.3	0.5
120°-130°	65.2	0.3
130°-140°	34.3	0.1
140°-150°	16.7	0.1
150°-160°	6.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6230.8	26.0
0°-40°	10185.0	42.5
0°-60°	17943.3	74.8
0°-90°	23199.8	96.8
90°-120°	655.7	2.7
90°-150°	771.9	3.2
90°-180°	778.0	3.2
0°-180°	23978.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8012	8012	8012	8012	8012	
5°	7961	7982	7973	8004	7994	756
15°	7639	7676	7712	7776	7784	2154
25°	6976	7053	7153	7265	7282	3209
35°	5965	6104	6355	6547	6586	3729
45°	4708	4945	5359	5651	5712	3635
55°	3335	3680	4239	4559	4614	2990
65°	2035	2451	3000	3149	3114	2022
75°	959	1376	1737	1782	1765	1023
85°	200	528	871	990	1008	231
90°	0	206	498	628	653	13
95°	10	139	373	474	492	8
105°	14	80	216	282	294	14
115°	16	45	133	178	186	16
125°	16	22	80	116	122	14
135°	14	18	41	71	78	11
145°	20	18	20	35	41	12
155°	20	22	20	18	20	6
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°	8011.8	8011.8	8011.8	8011.8	8011.8
2.5°	7988.3	8007.9	7996.1	8021.6	8019.7
5°	7960.8	7982.4	7972.6	8004.0	7994.2
7.5°	7913.8	7937.3	7935.3	7970.6	7966.7
10°	7845.1	7870.6	7878.5	7925.5	7925.5
12.5°	7751.0	7784.4	7804.0	7860.8	7862.8
15°	7639.3	7676.5	7711.8	7776.5	7784.4
17.5°	7504.0	7551.0	7600.0	7674.6	7684.4
20°	7351.0	7404.0	7470.6	7549.1	7560.8
22.5°	7174.6	7237.3	7323.6	7415.7	7429.5
25°	6976.5	7053.0	7153.0	7264.7	7282.4
27.5°	6751.0	6839.3	6974.6	7100.0	7115.7
30°	6505.9	6609.8	6778.5	6927.5	6953.0
32.5°	6247.1	6366.7	6574.5	6741.2	6776.5
35°	5964.7	6104.0	6354.9	6547.1	6586.3
37.5°	5686.3	5839.3	6123.6	6343.2	6390.2
40°	5360.8	5551.0	5876.5	6119.6	6176.5
42.5°	5054.9	5260.8	5629.4	5894.2	5949.1
45°	4707.9	4945.1	5358.9	5651.0	5711.8
47.5°	4382.4	4639.2	5098.1	5400.0	5462.8
50°	4039.2	4321.6	4819.6	5135.3	5200.0
52.5°	3696.1	4000.0	4531.4	4858.9	4919.6
55°	3335.3	3680.4	4239.2	4558.9	4613.8
57.5°	3000.0	3364.7	3939.2	4243.2	4276.5
60°	2668.6	3047.1	3633.4	3900.0	3911.8
62.5°	2345.1	2743.2	3319.6	3531.4	3515.7
65°	2035.3	2451.0	3000.0	3149.0	3113.7
67.5°	1737.3	2166.7	2672.6	2768.6	2721.6
70°	1454.9	1890.2	2354.9	2403.9	2360.8
72.5°	1205.9	1627.5	2033.3	2074.5	2043.1
75°	958.8	1376.5	1737.3	1782.4	1764.7
77.5°	727.5	1133.3	1464.7	1523.5	1527.5
80°	523.5	911.8	1227.5	1319.6	1331.4
82.5°	345.1	707.8	1029.4	1147.1	1164.7
85°	200.0	527.5	870.6	990.2	1007.8
87.5°	86.3	380.4	700.0	807.8	829.4
90°	0.0	205.9	498.0	627.5	652.9
92.5°	5.9	170.6	427.5	545.1	566.7
95°	9.8	139.2	372.6	474.5	492.2
97.5°	11.8	117.6	323.5	413.7	431.4
100°	11.8	102.0	280.4	362.7	378.4
102.5°	11.8	90.2	245.1	317.6	331.4
105°	13.7	80.4	215.7	282.4	294.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.7	52.9	149.0	200.0	207.8
115°	15.7	45.1	133.3	178.4	186.3
117.5°	17.6	39.2	117.6	160.8	166.7
120°	17.6	33.3	103.9	143.1	151.0
122.5°	17.6	27.5	92.2	129.4	135.3
125°	15.7	21.6	80.4	115.7	121.6
127.5°	13.7	17.6	68.6	103.9	109.8
130°	13.7	15.7	58.8	92.2	98.0
132.5°	13.7	17.6	49.0	80.4	88.2
135°	13.7	17.6	41.2	70.6	78.4
137.5°	13.7	17.6	33.3	60.8	68.6
140°	15.7	17.6	27.5	51.0	58.8
142.5°	17.6	17.6	21.6	43.1	49.0
145°	19.6	17.6	19.6	35.3	41.2
147.5°	19.6	19.6	19.6	27.5	33.3
150°	19.6	21.6	19.6	21.6	27.5
152.5°	19.6	21.6	19.6	17.6	21.6
155°	19.6	21.6	19.6	17.6	19.6
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°	13.7	70.6	190.2	251.0	260.8
110°	13.7	62.7	168.6	223.5	233.3



(END OF REPORT)