

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: P830242

Luminaire Tested: **OHBL-30SE-A-UNV-L850-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830242
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-A-UNV-L850-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 5000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

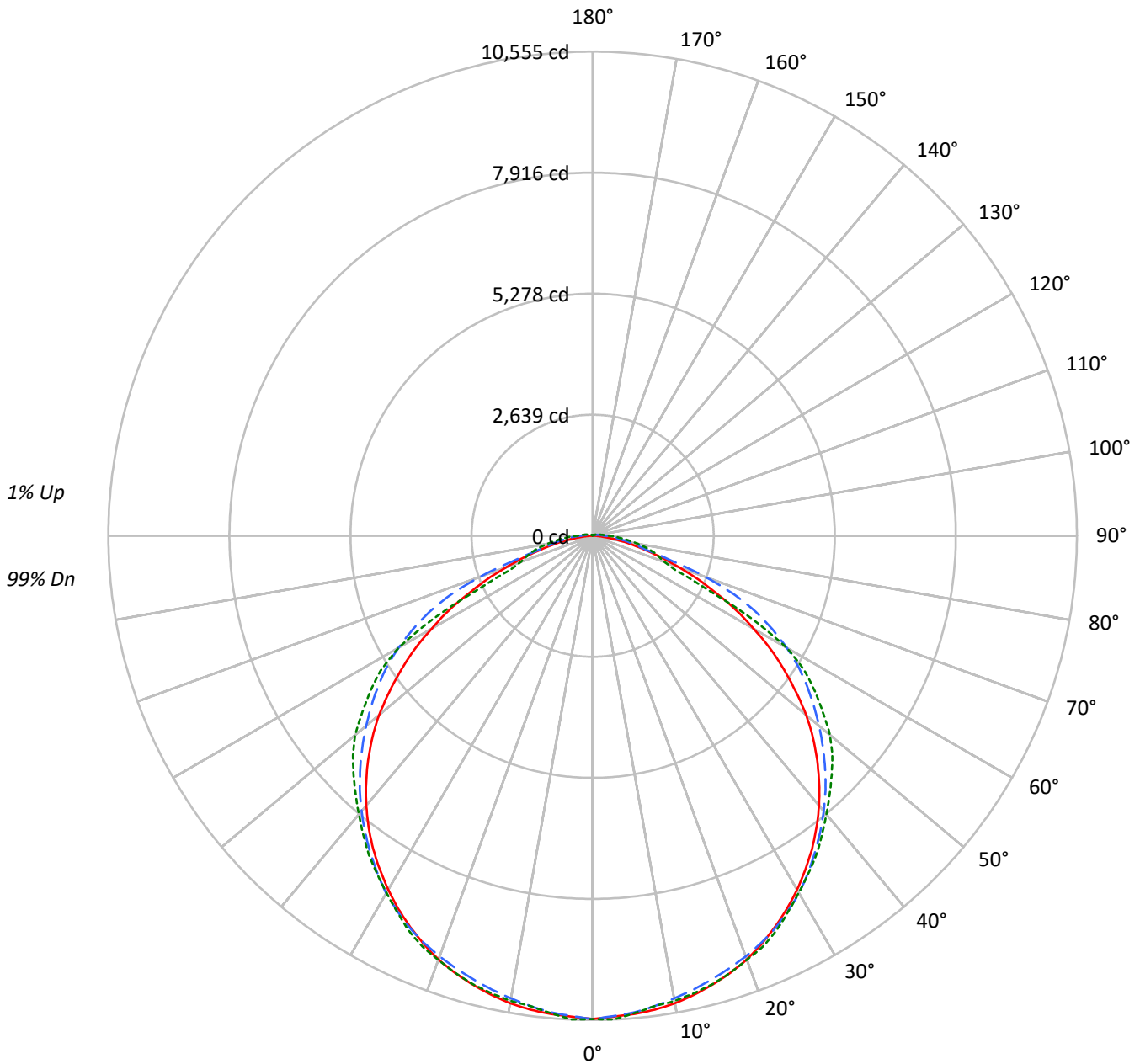
Lumens per Lamp: N/A
Luminaire Lumens: 29773.0 lumens
Efficiency: N/A
Efficacy: 171.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99				99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83				83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70				70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59				59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51				51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44				44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38				38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34				34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30				30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17991	17991	17991
5°	17874	17722	17756
10°	17808	17446	17547
15°	17695	17237	17419
20°	17582	17103	17253
25°	17370	16967	17088
30°	17139	16758	16752
35°	16864	16431	16561
40°	16505	16093	16304
45°	16008	15702	16180
50°	15334	15258	16034
55°	14264	14819	15414
60°	12863	14183	14226
65°	11034	13013	8996
70°	8888	10138	6504
75°	6663	6000	6572
80°	4638	4966	6233
85°	2640	4509	5766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	993.2	3.3
10°-20°	2848.1	9.6
20°-30°	4350.0	14.6
30°-40°	5278.0	17.7
40°-50°	5531.9	18.6
50°-60°	5012.7	16.8
60°-70°	3360.8	11.3
70°-80°	1509.2	5.1
80°-90°	547.7	1.8
90°-100°	164.8	0.6
100°-110°	77.8	0.3
110°-120°	39.0	0.1
120°-130°	21.5	0.1
130°-140°	14.8	0.0
140°-150°	9.9	0.0
150°-160°	7.4	0.0
160°-170°	4.8	0.0
170°-180°	1.5	0.0
0°-30°	8191.3	27.5
0°-40°	13469.3	45.2
0°-60°	24013.9	80.7
0°-90°	29431.5	98.9
90°-120°	281.6	0.9
90°-150°	327.8	1.1
90°-180°	341.0	1.1
0°-180°	29773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10534	10534	10534	10534	10534	
5°	10465	10502	10429	10461	10447	995
15°	10126	10086	10014	10103	10115	2859
25°	9407	9366	9431	9518	9490	4336
35°	8337	8357	8442	8532	8499	5211
45°	6919	7032	7163	7346	7369	5330
55°	5092	5337	5701	5929	5916	4545
65°	2988	3456	3924	3311	2704	2978
75°	1176	1706	1255	1284	1368	1285
85°	203	388	498	602	631	247
90°	2	130	257	323	338	12
95°	2	81	177	215	221	2
105°	6	35	87	105	110	7
115°	12	18	44	56	59	11
125°	11	12	27	32	34	11
135°	14	15	17	24	26	11
145°	14	15	15	17	18	9
155°	15	17	17	17	15	7
165°	17	17	17	17	17	5
175°	17	17	15	14	14	2
180°	15	15	15	15	15	



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CATALOG NUMBER: OHBL-30SE-A-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10533.7	10533.7	10533.7	10533.7	10533.7
2.5°	10491.1	10535.2	10480.4	10539.8	10555.0
5°	10465.2	10501.7	10428.6	10460.6	10446.9
7.5°	10418.0	10430.1	10343.3	10369.2	10341.8
10°	10347.9	10341.8	10239.8	10290.0	10296.1
12.5°	10244.3	10226.0	10134.7	10210.8	10212.3
15°	10125.5	10085.9	10014.3	10102.7	10114.9
17.5°	9988.4	9936.7	9889.4	10003.7	9985.4
20°	9828.5	9767.6	9758.5	9883.4	9837.7
22.5°	9630.5	9583.3	9604.6	9723.4	9694.5
25°	9406.6	9365.5	9431.0	9517.8	9490.4
27.5°	9170.5	9146.2	9220.8	9287.8	9234.5
30°	8911.6	8897.9	8996.9	9051.7	8984.7
32.5°	8629.8	8634.4	8728.8	8803.5	8741.0
35°	8337.4	8357.2	8442.5	8532.4	8498.9
37.5°	8016.0	8060.2	8145.5	8247.5	8212.5
40°	7676.4	7740.4	7834.8	7958.2	7926.2
42.5°	7309.3	7390.0	7511.9	7649.0	7645.9
45°	6919.4	7032.1	7163.1	7345.9	7368.7
47.5°	6514.3	6640.7	6806.7	7050.4	7085.4
50°	6074.1	6232.5	6439.6	6732.1	6753.4
52.5°	5583.7	5799.9	6074.1	6354.3	6328.5
55°	5091.7	5336.9	5700.9	5929.4	5915.7
57.5°	4601.3	4876.9	5318.6	5481.6	5480.1
60°	4053.0	4401.7	4884.6	5007.9	4886.1
62.5°	3545.8	3920.4	4421.5	4331.7	3914.3
65°	2988.3	3455.9	3923.5	3311.2	2703.5
67.5°	2493.3	2980.7	3332.5	2267.9	1941.9
70°	1995.3	2532.9	2598.4	1683.0	1660.2
72.5°	1553.6	2126.2	1792.7	1440.8	1514.0
75°	1175.8	1705.9	1255.0	1284.0	1367.7
77.5°	857.5	1309.9	976.3	1125.6	1194.1
80°	589.4	927.6	796.6	945.8	993.1
82.5°	370.1	612.3	638.2	761.5	810.3
85°	202.6	388.4	498.1	601.6	630.6
87.5°	83.8	234.6	380.8	464.5	488.9
90°	1.5	129.5	257.4	322.9	338.1
92.5°	1.5	99.0	210.2	260.4	271.1
95°	1.5	80.7	176.7	214.8	220.8
97.5°	3.0	64.0	147.7	178.2	184.3
100°	4.6	53.3	123.4	149.3	153.8
102.5°	6.1	42.6	103.6	124.9	129.5
105°	6.1	35.0	86.8	105.1	109.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.7	21.3	51.8	65.5	68.5
115°	12.2	18.3	44.2	56.4	59.4
117.5°	12.2	15.2	38.1	47.2	50.3
120°	12.2	13.7	33.5	41.1	42.6
122.5°	12.2	12.2	28.9	36.6	38.1
125°	10.7	12.2	27.4	32.0	33.5
127.5°	12.2	12.2	24.4	28.9	30.5
130°	12.2	13.7	21.3	27.4	27.4
132.5°	13.7	15.2	19.8	25.9	25.9
135°	13.7	15.2	16.8	24.4	25.9
137.5°	15.2	15.2	15.2	22.8	24.4
140°	15.2	15.2	13.7	19.8	21.3
142.5°	13.7	15.2	13.7	18.3	19.8
145°	13.7	15.2	15.2	16.8	18.3
147.5°	15.2	15.2	15.2	15.2	16.8
150°	15.2	15.2	15.2	15.2	15.2
152.5°	15.2	15.2	15.2	15.2	15.2
155°	15.2	16.8	16.8	16.8	15.2
157.5°	15.2	16.8	16.8	16.8	16.8
160°	15.2	16.8	16.8	16.8	16.8
162.5°	16.8	16.8	16.8	16.8	16.8
165°	16.8	16.8	16.8	16.8	16.8
167.5°	16.8	18.3	16.8	16.8	16.8
170°	16.8	16.8	16.8	15.2	15.2
172.5°	16.8	16.8	16.8	15.2	15.2
175°	16.8	16.8	15.2	13.7	13.7
177.5°	18.3	16.8	15.2	13.7	12.2
180°	15.2	15.2	15.2	15.2	15.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.6	28.9	74.6	89.9	92.9
110°	9.1	24.4	62.4	76.2	79.2



(END OF REPORT)