

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: P830293

Luminaire Tested: **OHBL-30SE-NL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-NL-UNV-L940-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

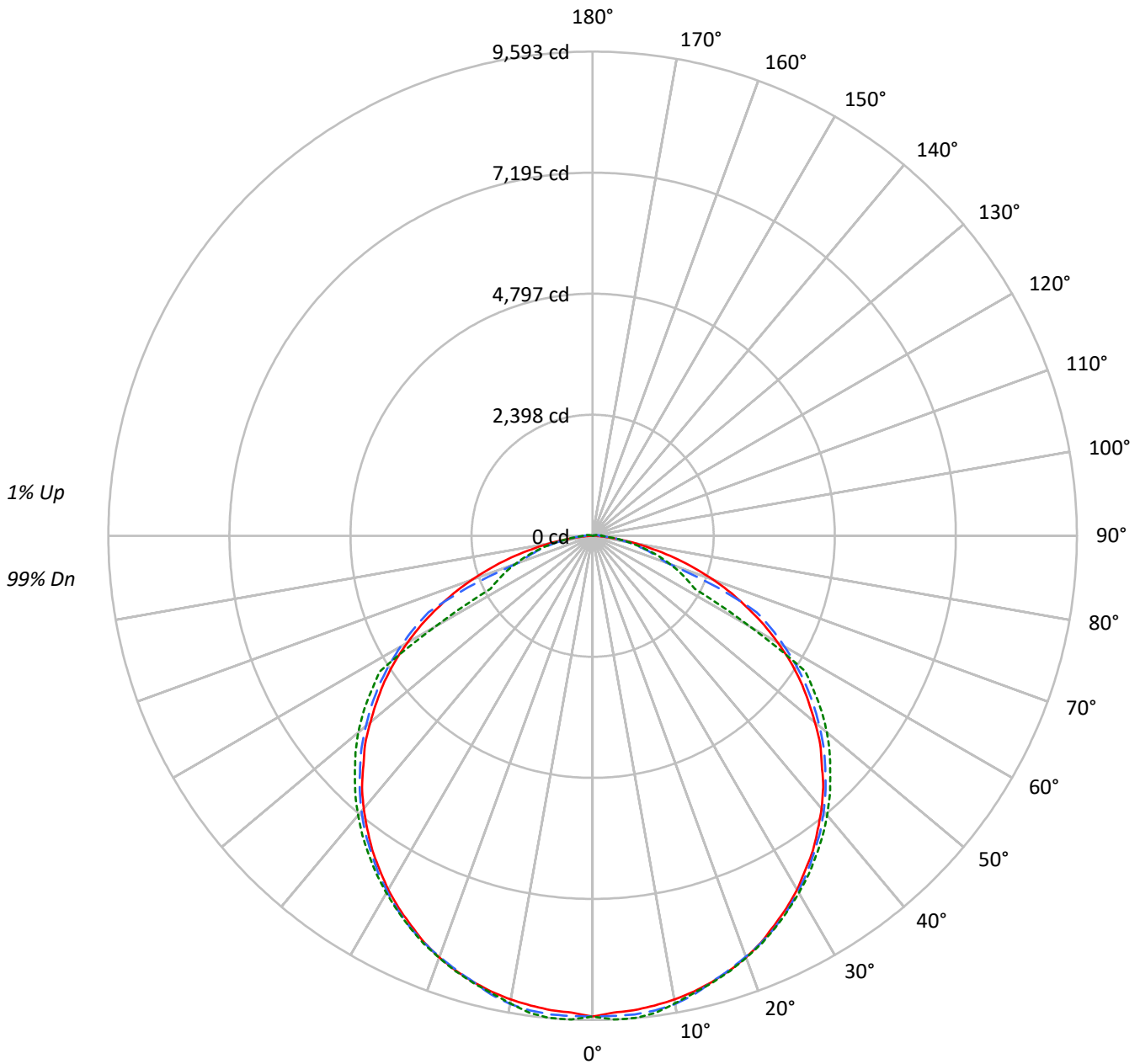
Lumens per Lamp: N/A
Luminaire Lumens: 26738.0 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 174
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				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	111	111	111	106	106	106	102	102	102	99				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16266	16266	16266
5°	16176	16322	16445
10°	16181	16334	16314
15°	16178	16175	16210
20°	16156	16131	16171
25°	16045	16127	16140
30°	15971	16053	16116
35°	15867	15955	16104
40°	15730	15880	16114
45°	15504	15738	16081
50°	15270	15581	16096
55°	14978	15366	15919
60°	14476	14990	12393
65°	13696	14493	8341
70°	12668	7693	8094
75°	11050	7311	7730
80°	8497	6706	7084
85°	4288	6779	6941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.8	3.4
10°-20°	2590.6	9.7
20°-30°	3941.8	14.7
30°-40°	4792.6	17.9
40°-50°	5039.2	18.8
50°-60°	4601.4	17.2
60°-70°	2949.7	11.0
70°-80°	1393.4	5.2
80°-90°	386.4	1.4
90°-100°	102.3	0.4
100°-110°	28.0	0.1
110°-120°	7.8	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7437.1	27.8
0°-40°	12229.7	45.7
0°-60°	21870.4	81.8
0°-90°	26599.9	99.5
90°-120°	138.1	0.5
90°-150°	138.1	0.5
90°-180°	138.0	0.5
0°-180°	26738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9523	9523	9523	9523	9523	
5°	9435	9472	9520	9572	9592	897
15°	9149	9218	9147	9161	9167	2583
25°	8514	8527	8557	8571	8564	3929
35°	7610	7565	7652	7745	7724	4756
45°	6418	6407	6515	6669	6658	4961
55°	5030	4991	5160	5332	5346	4486
65°	3389	3389	3586	2057	2064	3360
75°	1674	1706	1108	1166	1171	1765
85°	219	277	346	374	354	323
90°	0	94	154	182	179	10
95°	5	48	110	149	149	3
105°	8	18	27	27	25	8
115°	8	12	17	12	2	6
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: OHBL-30SE-NL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9523.4	9523.4	9523.4	9523.4	9523.4
2.5°	9456.5	9488.4	9523.4	9568.5	9593.4
5°	9434.8	9471.6	9520.0	9571.9	9591.9
7.5°	9388.0	9439.7	9486.6	9523.4	9535.1
10°	9329.5	9391.4	9418.1	9414.8	9406.4
12.5°	9250.9	9316.2	9307.9	9269.3	9276.1
15°	9149.0	9217.5	9147.4	9160.7	9167.4
17.5°	9028.7	9095.6	9013.7	9040.4	9042.2
20°	8888.4	8938.5	8875.0	8896.7	8896.7
22.5°	8719.6	8754.7	8728.0	8743.0	8746.4
25°	8514.1	8527.3	8557.4	8570.9	8564.1
27.5°	8317.0	8300.2	8358.7	8390.4	8373.6
30°	8097.9	8071.2	8139.7	8191.5	8171.5
32.5°	7847.3	7830.6	7909.2	7970.9	7959.2
35°	7610.0	7564.9	7651.8	7745.3	7723.6
37.5°	7329.2	7302.5	7401.1	7499.8	7488.1
40°	7055.2	7010.1	7122.1	7239.0	7227.3
42.5°	6761.1	6707.5	6829.6	6970.1	6956.6
45°	6418.5	6406.8	6515.4	6669.1	6657.5
47.5°	6114.5	6055.9	6207.9	6356.7	6370.2
50°	5746.7	5725.1	5863.8	6044.3	6057.5
52.5°	5387.5	5372.5	5517.8	5700.0	5723.3
55°	5029.8	4991.4	5160.2	5332.3	5345.8
57.5°	4647.3	4607.2	4779.3	4966.5	4994.8
60°	4237.7	4199.4	4388.1	4562.0	3627.9
62.5°	3828.4	3801.6	3998.9	2832.5	2282.8
65°	3388.9	3388.9	3586.0	2057.0	2063.8
67.5°	2977.9	2951.2	2673.8	1848.1	1848.1
70°	2536.7	2546.8	1540.6	1619.3	1620.9
72.5°	2093.8	2130.6	1330.3	1393.6	1397.0
75°	1674.4	1706.2	1107.9	1166.4	1171.4
77.5°	1229.9	945.8	890.6	935.9	937.5
80°	863.9	596.6	681.8	725.2	720.2
82.5°	504.6	417.7	499.6	531.5	529.7
85°	218.8	277.4	345.9	374.4	354.2
87.5°	70.1	172.1	215.5	232.3	230.5
90°	0.0	93.6	153.7	182.0	178.9
92.5°	0.0	73.4	133.8	167.2	168.8
95°	5.0	48.5	110.4	148.8	148.8
97.5°	3.4	35.0	78.6	116.9	120.3
100°	3.4	28.3	51.8	83.5	85.3
102.5°	8.3	23.4	31.7	53.4	55.2
105°	8.3	18.4	26.7	26.7	25.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.1	13.4	18.4	13.4	1.6
115°	8.3	11.7	16.6	11.7	1.6
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	8.3	16.6	23.4	15.0	5.0
110°	10.1	15.0	20.0	13.4	1.6



(END OF REPORT)