

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: P830389

Luminaire Tested: **OHBL-36SE-A-UNV-L940-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830389
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-36SE-A-UNV-L940-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

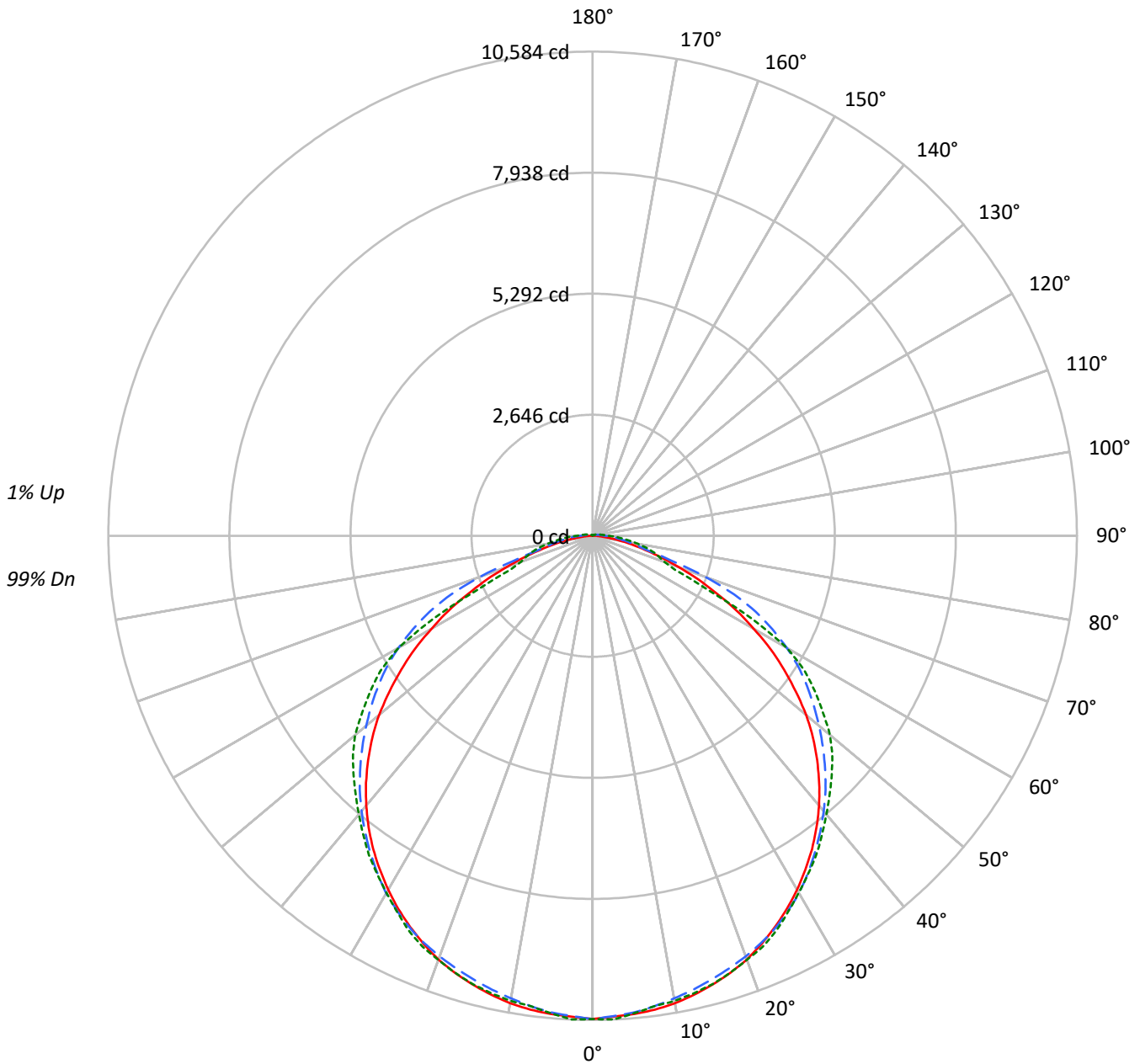
Lumens per Lamp: N/A
Luminaire Lumens: 29855.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 211
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

TEST NUMBER: P830389

CATALOG NUMBER: OHBL-36SE-A-UNV-L940-CD

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°	16705	16705	16705
5°	16595	16462	16497
10°	16535	16213	16313
15°	16430	16026	16204
20°	16325	15909	16061
25°	16128	15790	15919
30°	15914	15604	15617
35°	15657	15308	15451
40°	15324	15002	15225
45°	14863	14649	15125
50°	14237	14246	15005
55°	13244	13850	14445
60°	11943	13270	13355
65°	10245	12195	8464
70°	8252	9520	6136
75°	6187	5651	6228
80°	4307	4699	5946
85°	2451	4305	5574



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CATALOG NUMBER: OHBL-36SE-A-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	996.0	3.3
10°-20°	2856.0	9.6
20°-30°	4362.0	14.6
30°-40°	5292.6	17.7
40°-50°	5547.1	18.6
50°-60°	5026.5	16.8
60°-70°	3370.1	11.3
70°-80°	1513.3	5.1
80°-90°	549.2	1.8
90°-100°	165.3	0.6
100°-110°	78.0	0.3
110°-120°	39.1	0.1
120°-130°	21.6	0.1
130°-140°	14.8	0.0
140°-150°	10.0	0.0
150°-160°	7.4	0.0
160°-170°	4.8	0.0
170°-180°	1.5	0.0
0°-30°	8213.9	27.5
0°-40°	13506.4	45.2
0°-60°	24080.0	80.7
0°-90°	29512.6	98.9
90°-120°	282.4	0.9
90°-150°	328.8	1.1
90°-180°	342.0	1.1
0°-180°	29855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10563	10563	10563	10563	10563	
5°	10494	10531	10457	10489	10476	998
15°	10153	10114	10042	10130	10143	2867
25°	9432	9391	9457	9544	9516	4348
35°	8360	8380	8466	8556	8522	5225
45°	6938	7052	7183	7366	7389	5345
55°	5106	5352	5717	5946	5932	4557
65°	2996	3465	3934	3320	2711	2986
75°	1179	1711	1258	1288	1372	1289
85°	203	390	499	603	632	248
90°	2	130	258	324	339	12
95°	2	81	177	215	222	2
105°	6	35	87	105	110	7
115°	12	18	44	56	60	11
125°	11	12	28	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	



TEST NUMBER: P830389

CATALOG NUMBER: OHBL-36SE-A-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10562.7	10562.7	10562.7	10562.7	10562.7
2.5°	10520.0	10564.3	10509.3	10568.8	10584.1
5°	10494.0	10530.7	10457.3	10489.4	10475.7
7.5°	10446.7	10458.9	10371.8	10397.8	10370.3
10°	10376.4	10370.3	10268.0	10318.4	10324.5
12.5°	10272.5	10254.2	10162.6	10238.9	10240.5
15°	10153.4	10113.7	10041.9	10130.5	10142.7
17.5°	10016.0	9964.0	9916.7	10031.2	10012.9
20°	9855.6	9794.5	9785.3	9910.6	9864.8
22.5°	9657.0	9609.7	9631.1	9750.2	9721.2
25°	9432.5	9391.3	9457.0	9544.0	9516.5
27.5°	9195.8	9171.4	9246.2	9313.4	9259.9
30°	8936.2	8922.4	9021.7	9076.7	9009.5
32.5°	8653.6	8658.2	8752.9	8827.7	8765.1
35°	8360.4	8380.2	8465.8	8555.9	8522.3
37.5°	8038.1	8082.4	8167.9	8270.3	8235.1
40°	7697.5	7761.7	7856.4	7980.1	7948.0
42.5°	7329.5	7410.4	7532.6	7670.0	7667.0
45°	6938.5	7051.5	7182.8	7366.1	7389.0
47.5°	6532.2	6659.0	6825.5	7069.8	7104.9
50°	6090.8	6249.7	6457.4	6750.6	6772.0
52.5°	5599.0	5815.9	6090.8	6371.8	6345.9
55°	5105.7	5351.6	5716.6	5945.7	5932.0
57.5°	4613.9	4890.4	5333.3	5496.7	5495.2
60°	4064.1	4413.9	4898.0	5021.7	4899.5
62.5°	3555.5	3931.2	4433.7	4343.6	3925.1
65°	2996.5	3465.4	3934.3	3320.3	2710.9
67.5°	2500.2	2988.9	3341.7	2274.1	1947.3
70°	2000.7	2539.9	2605.6	1687.7	1664.7
72.5°	1557.8	2132.1	1797.6	1444.8	1518.1
75°	1179.1	1710.6	1258.5	1287.5	1371.5
77.5°	859.9	1313.5	979.0	1128.7	1197.4
80°	591.1	930.1	798.8	948.4	995.8
82.5°	371.1	614.0	639.9	763.6	812.5
85°	203.1	389.5	499.4	603.3	632.3
87.5°	84.0	235.2	381.8	465.8	490.3
90°	1.5	129.8	258.1	323.8	339.1
92.5°	1.5	99.3	210.8	261.2	271.9
95°	1.5	80.9	177.2	215.3	221.5
97.5°	3.1	64.1	148.1	178.7	184.8
100°	4.6	53.5	123.7	149.7	154.3
102.5°	6.1	42.8	103.9	125.2	129.8
105°	6.1	35.1	87.1	105.4	110.0



TEST NUMBER: P830389

CATALOG NUMBER: OHBL-36SE-A-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.7	21.4	51.9	65.7	68.7
115°	12.2	18.3	44.3	56.5	59.6
117.5°	12.2	15.3	38.2	47.3	50.4
120°	12.2	13.7	33.6	41.2	42.8
122.5°	12.2	12.2	29.0	36.7	38.2
125°	10.7	12.2	27.5	32.1	33.6
127.5°	12.2	12.2	24.4	29.0	30.5
130°	12.2	13.7	21.4	27.5	27.5
132.5°	13.7	15.3	19.9	26.0	26.0
135°	13.7	15.3	16.8	24.4	26.0
137.5°	15.3	15.3	15.3	22.9	24.4
140°	15.3	15.3	13.7	19.9	21.4
142.5°	13.7	15.3	13.7	18.3	19.9
145°	13.7	15.3	15.3	16.8	18.3
147.5°	15.3	15.3	15.3	15.3	16.8
150°	15.3	15.3	15.3	15.3	15.3
152.5°	15.3	15.3	15.3	15.3	15.3
155°	15.3	16.8	16.8	16.8	15.3
157.5°	15.3	16.8	16.8	16.8	16.8
160°	15.3	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	15.3	15.3
172.5°	16.8	16.8	16.8	15.3	15.3
175°	16.8	16.8	15.3	13.7	13.7
177.5°	18.3	16.8	15.3	13.7	12.2
180°	15.3	15.3	15.3	15.3	15.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.6	29.0	74.8	90.1	93.2
110°	9.2	24.4	62.6	76.4	79.4



(END OF REPORT)