

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: P830388

Luminaire Tested: **OHBL-36SE-A-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830388
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-L935-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

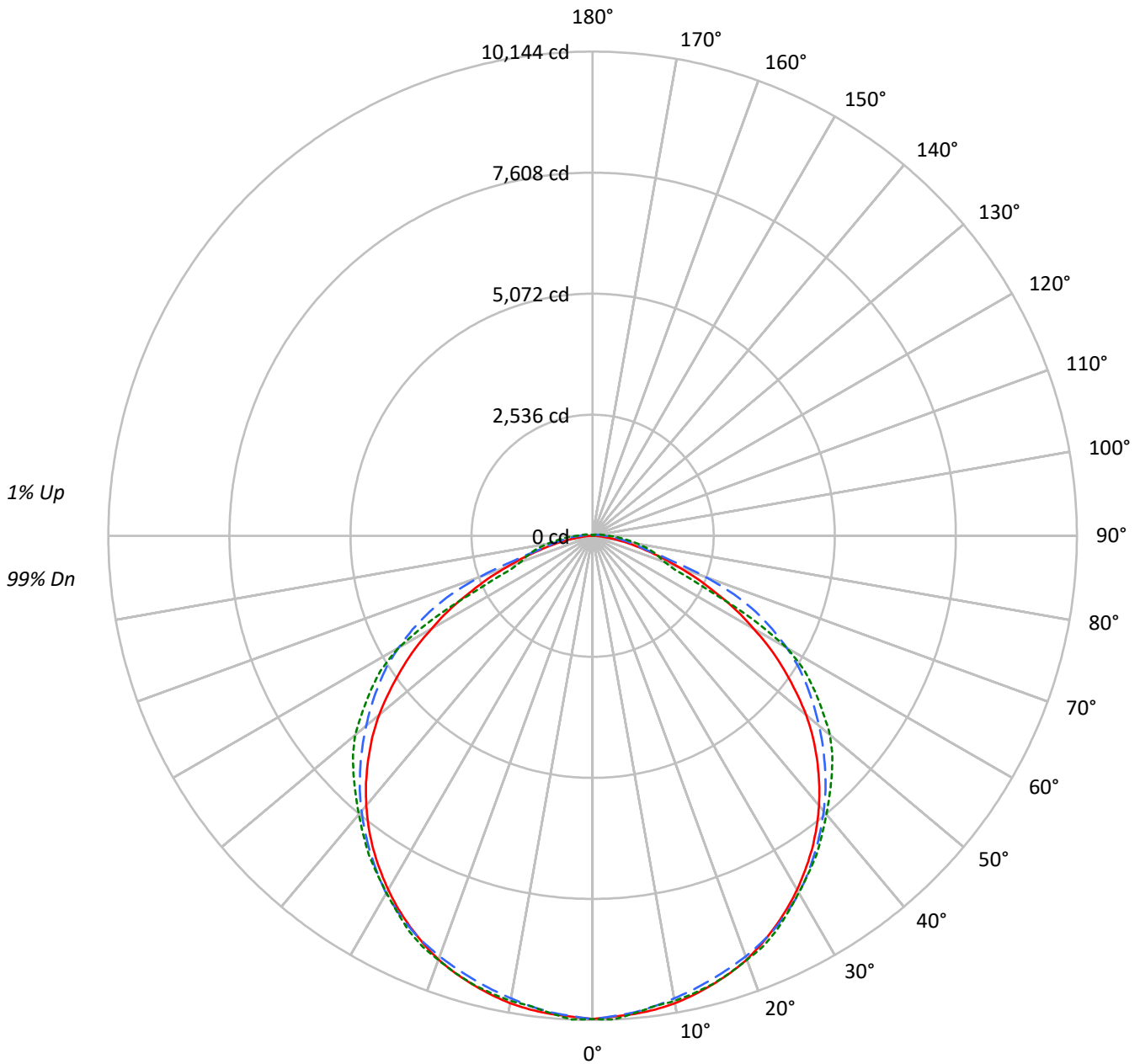
Lumens per Lamp: N/A
Luminaire Lumens: 28615.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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: P830388

CATALOG NUMBER: OHBL-36SE-A-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830388

CATALOG NUMBER: OHBL-36SE-A-UNV-L935-CD

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°	16011	16011	16011
5°	15906	15778	15812
10°	15848	15539	15636
15°	15747	15360	15531
20°	15647	15248	15394
25°	15458	15135	15257
30°	15253	14956	14969
35°	15007	14672	14810
40°	14688	14379	14593
45°	14246	14040	14497
50°	13646	13655	14382
55°	12694	13275	13845
60°	11447	12719	12800
65°	9819	11688	8112
70°	7909	9124	5881
75°	5930	5416	5969
80°	4127	4504	5699
85°	2349	4127	5342



TEST NUMBER: P830388

CATALOG NUMBER: OHBL-36SE-A-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	954.6	3.3
10°-20°	2737.3	9.6
20°-30°	4180.8	14.6
30°-40°	5072.7	17.7
40°-50°	5316.7	18.6
50°-60°	4817.7	16.8
60°-70°	3230.1	11.3
70°-80°	1450.4	5.1
80°-90°	526.4	1.8
90°-100°	158.4	0.6
100°-110°	74.8	0.3
110°-120°	37.5	0.1
120°-130°	20.7	0.1
130°-140°	14.2	0.0
140°-150°	9.5	0.0
150°-160°	7.1	0.0
160°-170°	4.6	0.0
170°-180°	1.4	0.0
0°-30°	7872.7	27.5
0°-40°	12945.5	45.2
0°-60°	23079.9	80.7
0°-90°	28286.8	98.9
90°-120°	270.7	0.9
90°-150°	315.1	1.1
90°-180°	328.0	1.1
0°-180°	28615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10124	10124	10124	10124	10124	
5°	10058	10093	10023	10054	10041	957
15°	9732	9694	9625	9710	9722	2748
25°	9041	9001	9064	9148	9121	4167
35°	8013	8032	8114	8200	8168	5008
45°	6650	6759	6884	7060	7082	5123
55°	4894	5129	5479	5699	5686	4368
65°	2872	3322	3771	3182	2598	2862
75°	1130	1640	1206	1234	1314	1235
85°	195	373	479	578	606	238
90°	2	124	247	310	325	12
95°	2	78	170	206	212	2
105°	6	34	83	101	105	7
115°	12	18	42	54	57	11
125°	10	12	26	31	32	10
135°	13	15	16	23	25	10
145°	13	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	4
175°	16	16	15	13	13	2
180°	15	15	15	15	15	



TEST NUMBER: P830388

CATALOG NUMBER: OHBL-36SE-A-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10124.0	10124.0	10124.0	10124.0	10124.0
2.5°	10083.0	10125.5	10072.8	10129.9	10144.5
5°	10058.1	10093.3	10023.0	10053.7	10040.6
7.5°	10012.8	10024.5	9941.0	9965.9	9939.6
10°	9945.4	9939.6	9841.5	9889.8	9895.6
12.5°	9845.9	9828.3	9740.5	9813.7	9815.1
15°	9731.7	9693.6	9624.8	9709.7	9721.5
17.5°	9600.0	9550.2	9504.8	9614.6	9597.0
20°	9446.2	9387.7	9378.9	9498.9	9455.0
22.5°	9255.9	9210.6	9231.1	9345.2	9317.4
25°	9040.8	9001.2	9064.2	9147.6	9121.3
27.5°	8813.9	8790.4	8862.2	8926.6	8875.3
30°	8565.0	8551.8	8647.0	8699.7	8635.3
32.5°	8294.2	8298.6	8389.3	8461.1	8401.1
35°	8013.1	8032.2	8114.1	8200.5	8168.3
37.5°	7704.3	7746.7	7828.7	7926.8	7893.1
40°	7377.8	7439.3	7530.1	7648.6	7617.9
42.5°	7025.0	7102.6	7219.7	7351.5	7348.5
45°	6650.3	6758.6	6884.5	7060.2	7082.1
47.5°	6260.9	6382.4	6542.0	6776.2	6809.8
50°	5837.8	5990.1	6189.2	6470.2	6490.7
52.5°	5366.5	5574.4	5837.8	6107.2	6082.3
55°	4893.7	5129.3	5479.2	5698.8	5685.6
57.5°	4422.3	4687.3	5111.8	5268.4	5266.9
60°	3895.3	4230.5	4694.6	4813.2	4696.0
62.5°	3407.9	3768.0	4249.6	4163.2	3762.1
65°	2872.1	3321.5	3770.9	3182.4	2598.3
67.5°	2396.3	2864.8	3202.9	2179.7	1866.4
70°	1917.6	2434.4	2497.3	1617.6	1595.6
72.5°	1493.1	2043.5	1723.0	1384.8	1455.1
75°	1130.1	1639.5	1206.2	1234.0	1314.5
77.5°	824.1	1258.9	938.3	1081.8	1147.7
80°	566.5	891.5	765.6	909.1	954.4
82.5°	355.7	588.5	613.4	731.9	778.8
85°	194.7	373.3	478.7	578.2	606.0
87.5°	80.5	225.4	366.0	446.5	469.9
90°	1.5	124.4	247.4	310.3	325.0
92.5°	1.5	95.2	202.0	250.3	260.6
95°	1.5	77.6	169.8	206.4	212.3
97.5°	2.9	61.5	142.0	171.3	177.1
100°	4.4	51.2	118.6	143.5	147.8
102.5°	5.9	41.0	99.5	120.0	124.4
105°	5.9	33.7	83.4	101.0	105.4



TEST NUMBER: P830388

CATALOG NUMBER: OHBL-36SE-A-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.2	20.5	49.8	62.9	65.9
115°	11.7	17.6	42.5	54.2	57.1
117.5°	11.7	14.6	36.6	45.4	48.3
120°	11.7	13.2	32.2	39.5	41.0
122.5°	11.7	11.7	27.8	35.1	36.6
125°	10.2	11.7	26.3	30.7	32.2
127.5°	11.7	11.7	23.4	27.8	29.3
130°	11.7	13.2	20.5	26.3	26.3
132.5°	13.2	14.6	19.0	24.9	24.9
135°	13.2	14.6	16.1	23.4	24.9
137.5°	14.6	14.6	14.6	22.0	23.4
140°	14.6	14.6	13.2	19.0	20.5
142.5°	13.2	14.6	13.2	17.6	19.0
145°	13.2	14.6	14.6	16.1	17.6
147.5°	14.6	14.6	14.6	14.6	16.1
150°	14.6	14.6	14.6	14.6	14.6
152.5°	14.6	14.6	14.6	14.6	14.6
155°	14.6	16.1	16.1	16.1	14.6
157.5°	14.6	16.1	16.1	16.1	16.1
160°	14.6	16.1	16.1	16.1	16.1
162.5°	16.1	16.1	16.1	16.1	16.1
165°	16.1	16.1	16.1	16.1	16.1
167.5°	16.1	17.6	16.1	16.1	16.1
170°	16.1	16.1	16.1	14.6	14.6
172.5°	16.1	16.1	16.1	14.6	14.6
175°	16.1	16.1	14.6	13.2	13.2
177.5°	17.6	16.1	14.6	13.2	11.7
180°	14.6	14.6	14.6	14.6	14.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.3	27.8	71.7	86.4	89.3
110°	8.8	23.4	60.0	73.2	76.1



(END OF REPORT)