

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: P830400

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830400
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-MCL-UNV-L935-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

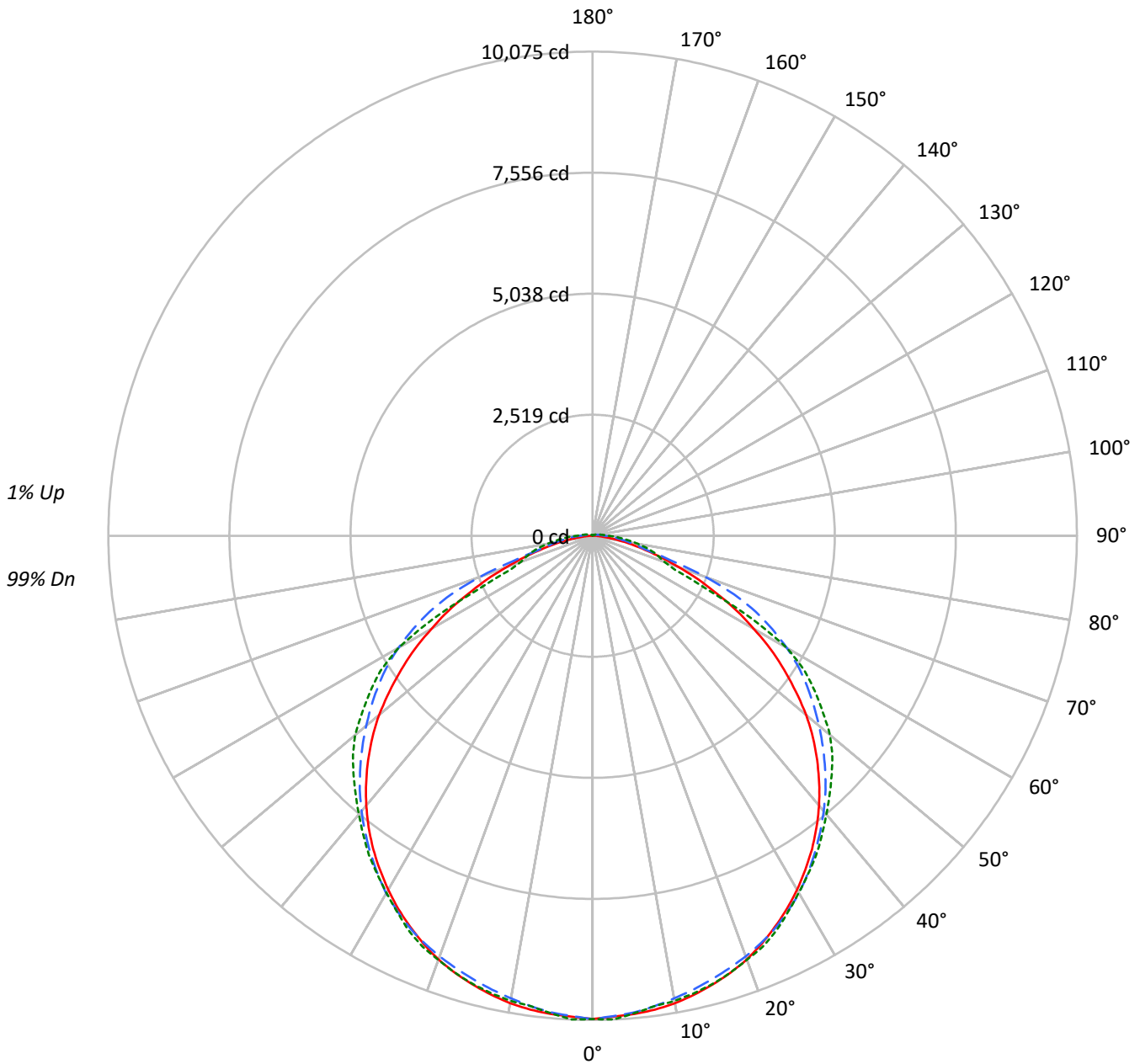
Lumens per Lamp: N/A
Luminaire Lumens: 28419.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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: P830400

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

Luminous Intensity Polar Plot





TEST NUMBER: P830400

CATALOG NUMBER: OHBL-36SE-MCL-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°	15901	15901	15901
5°	15797	15670	15703
10°	15739	15433	15529
15°	15639	15255	15425
20°	15539	15144	15288
25°	15352	15031	15153
30°	15148	14854	14866
35°	14904	14572	14708
40°	14587	14281	14493
45°	14148	13944	14398
50°	13553	13561	14284
55°	12607	13184	13751
60°	11368	12632	12713
65°	9752	11608	8056
70°	7855	9062	5841
75°	5889	5380	5928
80°	4099	4473	5660
85°	2333	4098	5306



TEST NUMBER: P830400

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	948.1	3.3
10°-20°	2718.6	9.6
20°-30°	4152.2	14.6
30°-40°	5038.0	17.7
40°-50°	5280.3	18.6
50°-60°	4784.7	16.8
60°-70°	3208.0	11.3
70°-80°	1440.5	5.1
80°-90°	522.8	1.8
90°-100°	157.4	0.6
100°-110°	74.2	0.3
110°-120°	37.2	0.1
120°-130°	20.5	0.1
130°-140°	14.1	0.0
140°-150°	9.5	0.0
150°-160°	7.0	0.0
160°-170°	4.5	0.0
170°-180°	1.4	0.0
0°-30°	7818.8	27.5
0°-40°	12856.8	45.2
0°-60°	22921.8	80.7
0°-90°	28093.1	98.9
90°-120°	268.8	0.9
90°-150°	312.9	1.1
90°-180°	326.0	1.1
0°-180°	28419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10055	10055	10055	10055	10055	
5°	9989	10024	9954	9985	9972	950
15°	9665	9627	9559	9643	9655	2729
25°	8979	8940	9002	9085	9059	4139
35°	7958	7977	8059	8144	8112	4974
45°	6605	6712	6837	7012	7034	5088
55°	4860	5094	5442	5660	5647	4338
65°	2852	3299	3745	3161	2580	2842
75°	1122	1628	1198	1226	1306	1227
85°	193	371	475	574	602	236
90°	2	124	246	308	323	12
95°	2	77	169	205	211	2
105°	6	33	83	100	105	7
115°	12	17	42	54	57	11
125°	10	12	26	30	32	10
135°	13	14	16	23	25	10
145°	13	14	14	16	17	9
155°	14	16	16	16	14	7
165°	16	16	16	16	16	4
175°	16	16	14	13	13	2
180°	14	14	14	14	14	



TEST NUMBER: P830400

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10054.7	10054.7	10054.7	10054.7	10054.7
2.5°	10014.0	10056.1	10003.8	10060.5	10075.0
5°	9989.2	10024.1	9954.4	9984.9	9971.8
7.5°	9944.2	9955.8	9872.9	9897.7	9871.5
10°	9877.3	9871.5	9774.1	9822.1	9827.9
12.5°	9778.4	9761.0	9673.8	9746.5	9747.9
15°	9665.0	9627.2	9558.9	9643.2	9654.9
17.5°	9534.2	9484.8	9439.7	9548.7	9531.3
20°	9381.5	9323.4	9314.7	9433.9	9390.3
22.5°	9192.5	9147.5	9167.8	9281.2	9253.6
25°	8978.8	8939.6	9002.1	9085.0	9058.8
27.5°	8753.5	8730.2	8801.5	8865.4	8814.6
30°	8506.3	8493.3	8587.8	8640.1	8576.1
32.5°	8237.4	8241.7	8331.9	8403.1	8343.5
35°	7958.2	7977.1	8058.6	8144.3	8112.4
37.5°	7651.5	7693.7	7775.1	7872.5	7839.0
40°	7327.3	7388.3	7478.5	7596.2	7565.7
42.5°	6976.9	7054.0	7170.3	7301.1	7298.2
45°	6604.7	6712.3	6837.3	7011.8	7033.6
47.5°	6218.0	6338.7	6497.2	6729.8	6763.2
50°	5797.9	5949.1	6146.8	6425.9	6446.3
52.5°	5329.7	5536.2	5797.9	6065.4	6040.7
55°	4860.1	5094.2	5441.7	5659.7	5646.7
57.5°	4392.0	4655.2	5076.8	5232.3	5230.9
60°	3868.6	4201.6	4662.4	4780.2	4663.9
62.5°	3384.5	3742.2	4220.5	4134.7	3736.3
65°	2852.4	3298.7	3745.1	3160.6	2580.5
67.5°	2379.9	2845.1	3181.0	2164.7	1853.6
70°	1904.5	2417.7	2480.2	1606.5	1584.7
72.5°	1482.9	2029.5	1711.2	1375.3	1445.1
75°	1122.4	1628.3	1198.0	1225.6	1305.5
77.5°	818.5	1250.3	931.9	1074.4	1139.8
80°	562.6	885.4	760.4	902.8	947.9
82.5°	353.3	584.4	609.2	726.9	773.4
85°	193.4	370.7	475.4	574.3	601.9
87.5°	80.0	223.9	363.5	443.4	466.7
90°	1.5	123.6	245.7	308.2	322.7
92.5°	1.5	94.5	200.6	248.6	258.8
95°	1.5	77.1	168.6	205.0	210.8
97.5°	2.9	61.1	141.0	170.1	175.9
100°	4.4	50.9	117.8	142.5	146.8
102.5°	5.8	40.7	98.9	119.2	123.6
105°	5.8	33.4	82.9	100.3	104.7



TEST NUMBER: P830400

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.2	20.4	49.4	62.5	65.4
115°	11.6	17.4	42.2	53.8	56.7
117.5°	11.6	14.5	36.3	45.1	48.0
120°	11.6	13.1	32.0	39.3	40.7
122.5°	11.6	11.6	27.6	34.9	36.3
125°	10.2	11.6	26.2	30.5	32.0
127.5°	11.6	11.6	23.3	27.6	29.1
130°	11.6	13.1	20.4	26.2	26.2
132.5°	13.1	14.5	18.9	24.7	24.7
135°	13.1	14.5	16.0	23.3	24.7
137.5°	14.5	14.5	14.5	21.8	23.3
140°	14.5	14.5	13.1	18.9	20.4
142.5°	13.1	14.5	13.1	17.4	18.9
145°	13.1	14.5	14.5	16.0	17.4
147.5°	14.5	14.5	14.5	14.5	16.0
150°	14.5	14.5	14.5	14.5	14.5
152.5°	14.5	14.5	14.5	14.5	14.5
155°	14.5	16.0	16.0	16.0	14.5
157.5°	14.5	16.0	16.0	16.0	16.0
160°	14.5	16.0	16.0	16.0	16.0
162.5°	16.0	16.0	16.0	16.0	16.0
165°	16.0	16.0	16.0	16.0	16.0
167.5°	16.0	17.4	16.0	16.0	16.0
170°	16.0	16.0	16.0	14.5	14.5
172.5°	16.0	16.0	16.0	14.5	14.5
175°	16.0	16.0	14.5	13.1	13.1
177.5°	17.4	16.0	14.5	13.1	11.6
180°	14.5	14.5	14.5	14.5	14.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.3	27.6	71.2	85.8	88.7
110°	8.7	23.3	59.6	72.7	75.6



(END OF REPORT)