

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: P830399

Luminaire Tested: **OHBL-36SE-MCL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830399
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-L930-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

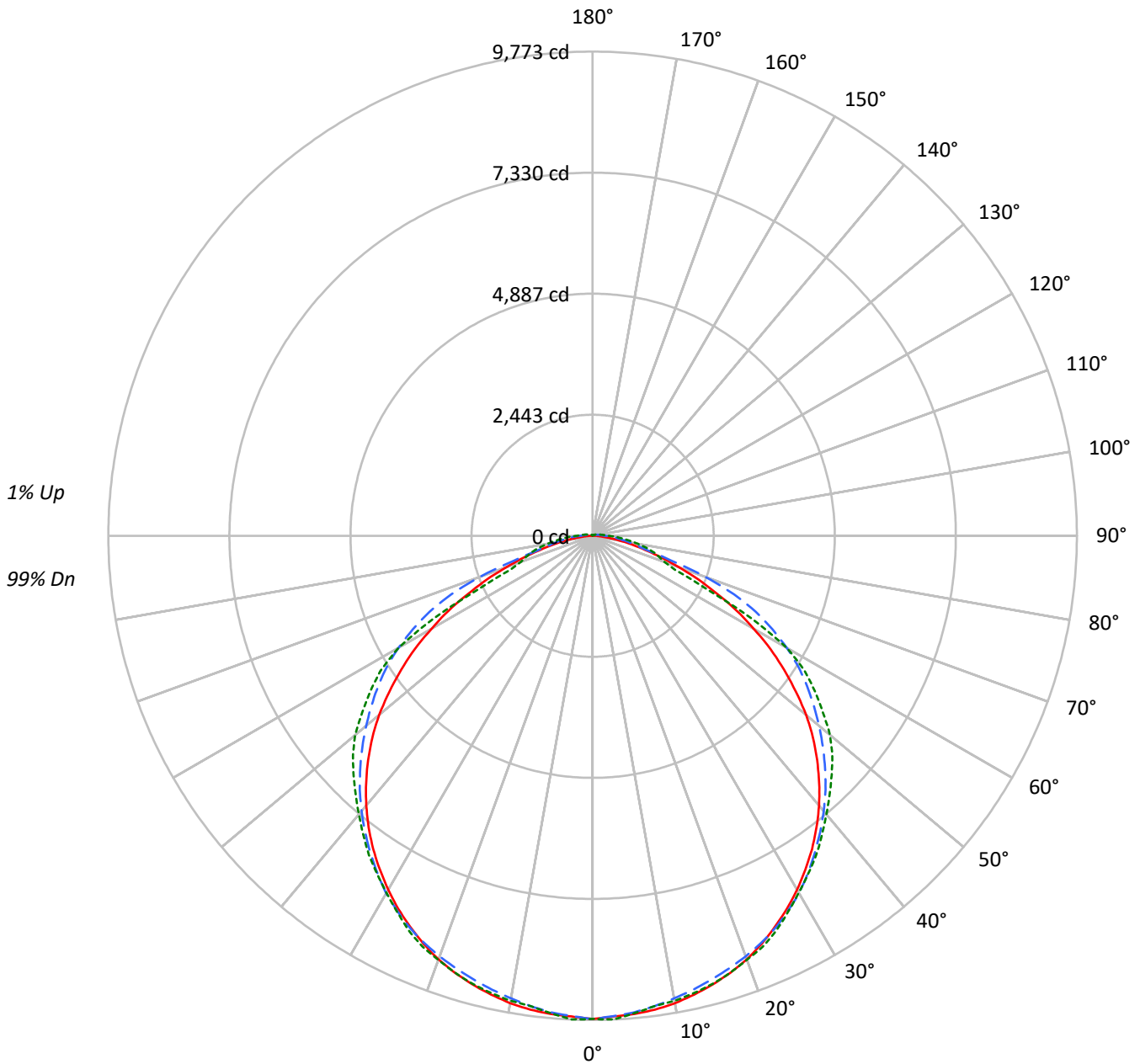
Lumens per Lamp: N/A
Luminaire Lumens: 27566.0 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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: P830399

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830399

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L930-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°	15424	15424	15424
5°	15323	15200	15232
10°	15267	14970	15063
15°	15170	14797	14962
20°	15073	14689	14829
25°	14891	14580	14698
30°	14693	14408	14420
35°	14457	14134	14267
40°	14150	13852	14058
45°	13723	13526	13965
50°	13146	13154	13855
55°	12228	12788	13338
60°	11027	12253	12331
65°	9459	11260	7815
70°	7619	8790	5666
75°	5712	5218	5751
80°	3976	4338	5490
85°	2263	3975	5146



TEST NUMBER: P830399

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	919.6	3.3
10°-20°	2637.0	9.6
20°-30°	4027.5	14.6
30°-40°	4886.8	17.7
40°-50°	5121.8	18.6
50°-60°	4641.1	16.8
60°-70°	3111.7	11.3
70°-80°	1397.3	5.1
80°-90°	507.1	1.8
90°-100°	152.6	0.6
100°-110°	72.0	0.3
110°-120°	36.1	0.1
120°-130°	19.9	0.1
130°-140°	13.7	0.0
140°-150°	9.2	0.0
150°-160°	6.8	0.0
160°-170°	4.4	0.0
170°-180°	1.4	0.0
0°-30°	7584.1	27.5
0°-40°	12470.9	45.2
0°-60°	22233.8	80.7
0°-90°	27249.8	98.9
90°-120°	260.7	0.9
90°-150°	303.5	1.1
90°-180°	316.0	1.1
0°-180°	27566.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9753	9753	9753	9753	9753	
5°	9689	9723	9656	9685	9672	922
15°	9375	9338	9272	9354	9365	2647
25°	8709	8671	8732	8812	8787	4015
35°	7719	7738	7817	7900	7869	4825
45°	6406	6511	6632	6801	6822	4935
55°	4714	4941	5278	5490	5477	4208
65°	2767	3200	3633	3066	2503	2757
75°	1089	1579	1162	1189	1266	1190
85°	188	360	461	557	584	229
90°	1	120	238	299	313	11
95°	1	75	164	199	204	2
105°	6	32	80	97	102	7
115°	11	17	41	52	55	11
125°	10	11	25	30	31	10
135°	13	14	16	23	24	10
145°	13	14	14	16	17	8
155°	14	16	16	16	14	7
165°	16	16	16	16	16	4
175°	16	16	14	13	13	1
180°	14	14	14	14	14	



TEST NUMBER: P830399

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9752.9	9752.9	9752.9	9752.9	9752.9
2.5°	9713.4	9754.3	9703.5	9758.5	9772.6
5°	9689.4	9723.3	9655.6	9685.2	9672.5
7.5°	9645.7	9657.0	9576.6	9600.6	9575.2
10°	9580.8	9575.2	9480.7	9527.2	9532.9
12.5°	9484.9	9468.0	9383.4	9453.9	9455.3
15°	9374.9	9338.3	9272.0	9353.8	9365.1
17.5°	9248.0	9200.1	9156.4	9262.1	9245.2
20°	9100.0	9043.5	9035.1	9150.7	9108.4
22.5°	8916.6	8872.9	8892.7	9002.7	8975.9
25°	8709.3	8671.3	8731.9	8812.3	8786.9
27.5°	8490.8	8468.2	8537.3	8599.3	8550.0
30°	8251.0	8238.3	8330.0	8380.8	8318.7
32.5°	7990.1	7994.4	8081.8	8150.9	8093.1
35°	7719.4	7737.7	7816.7	7899.9	7868.9
37.5°	7421.8	7462.7	7541.7	7636.2	7603.7
40°	7107.4	7166.6	7254.0	7368.2	7338.6
42.5°	6767.5	6842.2	6955.1	7082.0	7079.2
45°	6406.5	6510.8	6632.1	6801.3	6822.5
47.5°	6031.4	6148.4	6302.1	6527.8	6560.2
50°	5623.8	5770.5	5962.3	6233.0	6252.8
52.5°	5169.8	5370.0	5623.8	5883.3	5859.3
55°	4714.3	4941.3	5278.3	5489.9	5477.2
57.5°	4260.2	4515.4	4924.4	5075.3	5073.9
60°	3752.5	4075.4	4522.5	4636.7	4523.9
62.5°	3282.9	3629.8	4093.8	4010.6	3624.2
65°	2766.8	3199.7	3632.6	3065.8	2503.1
67.5°	2308.5	2759.7	3085.5	2099.8	1798.0
70°	1847.3	2345.1	2405.8	1558.3	1537.1
72.5°	1438.4	1968.6	1659.8	1334.0	1401.7
75°	1088.7	1579.4	1162.0	1188.8	1266.4
77.5°	793.9	1212.8	903.9	1042.1	1105.6
80°	545.7	858.8	737.5	875.7	919.4
82.5°	342.7	566.9	590.9	705.1	750.2
85°	187.6	359.6	461.1	557.0	583.8
87.5°	77.6	217.2	352.5	430.1	452.7
90°	1.4	119.9	238.3	299.0	313.1
92.5°	1.4	91.7	194.6	241.1	251.0
95°	1.4	74.7	163.6	198.8	204.5
97.5°	2.8	59.2	136.8	165.0	170.6
100°	4.2	49.4	114.2	138.2	142.4
102.5°	5.6	39.5	95.9	115.6	119.9
105°	5.6	32.4	80.4	97.3	101.5



TEST NUMBER: P830399

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.9	19.7	47.9	60.6	63.5
115°	11.3	16.9	40.9	52.2	55.0
117.5°	11.3	14.1	35.3	43.7	46.5
120°	11.3	12.7	31.0	38.1	39.5
122.5°	11.3	11.3	26.8	33.8	35.3
125°	9.9	11.3	25.4	29.6	31.0
127.5°	11.3	11.3	22.6	26.8	28.2
130°	11.3	12.7	19.7	25.4	25.4
132.5°	12.7	14.1	18.3	24.0	24.0
135°	12.7	14.1	15.5	22.6	24.0
137.5°	14.1	14.1	14.1	21.2	22.6
140°	14.1	14.1	12.7	18.3	19.7
142.5°	12.7	14.1	12.7	16.9	18.3
145°	12.7	14.1	14.1	15.5	16.9
147.5°	14.1	14.1	14.1	14.1	15.5
150°	14.1	14.1	14.1	14.1	14.1
152.5°	14.1	14.1	14.1	14.1	14.1
155°	14.1	15.5	15.5	15.5	14.1
157.5°	14.1	15.5	15.5	15.5	15.5
160°	14.1	15.5	15.5	15.5	15.5
162.5°	15.5	15.5	15.5	15.5	15.5
165°	15.5	15.5	15.5	15.5	15.5
167.5°	15.5	16.9	15.5	15.5	15.5
170°	15.5	15.5	15.5	14.1	14.1
172.5°	15.5	15.5	15.5	14.1	14.1
175°	15.5	15.5	14.1	12.7	12.7
177.5°	16.9	15.5	14.1	12.7	11.3
180°	14.1	14.1	14.1	14.1	14.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.1	26.8	69.1	83.2	86.0
110°	8.5	22.6	57.8	70.5	73.3



(END OF REPORT)