

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: P830447

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-W-UNV-L930-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

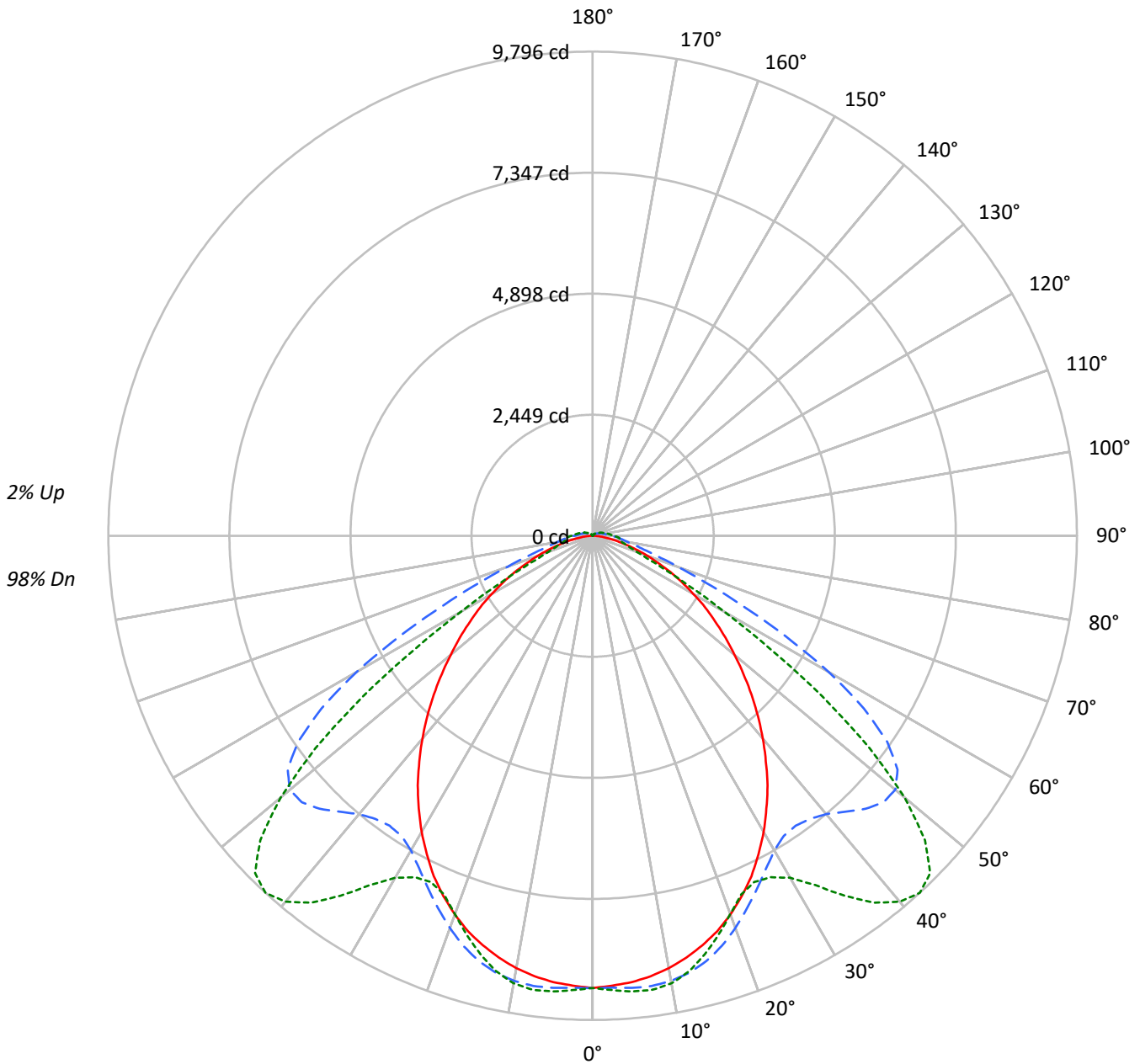
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27397.0 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	110	110	110	105	105	105	100	100	100					98				
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83				
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70				
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59				
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50				
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43				
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38				
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33				
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29				
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26				
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14471	14471	14471
5°	14336	14457	14574
10°	14156	14441	14530
15°	13880	14209	14003
20°	13502	13727	13258
25°	12995	13142	12931
30°	12322	12709	13846
35°	11554	12951	16114
40°	10662	14035	18515
45°	9731	15931	19765
50°	8758	17630	18245
55°	7845	17625	13807
60°	6915	14928	8340
65°	5933	10323	4974
70°	4820	6686	3515
75°	3667	4805	3155
80°	2632	4239	3371
85°	1787	4698	4750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.4	3.2
10°-20°	2476.0	9.0
20°-30°	3623.2	13.2
30°-40°	4705.5	17.2
40°-50°	5746.0	21.0
50°-60°	5060.3	18.5
60°-70°	2636.9	9.6
70°-80°	1130.8	4.1
80°-90°	543.1	2.0
90°-100°	255.1	0.9
100°-110°	158.6	0.6
110°-120°	93.8	0.3
120°-130°	51.0	0.2
130°-140°	25.6	0.1
140°-150°	12.3	0.0
150°-160°	4.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6973.7	25.5
0°-40°	11679.2	42.6
0°-60°	22485.5	82.1
0°-90°	26796.4	97.8
90°-120°	507.5	1.9
90°-150°	596.3	2.2
90°-180°	601.0	2.2
0°-180°	27397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9150	9150	9150	9150	9150	
5°	9065	9134	9184	9265	9255	860
15°	8578	8818	8903	8836	8765	2415
25°	7600	8007	7871	7723	7731	3488
35°	6169	6821	7162	8352	8888	3845
45°	4542	5715	7812	9458	9656	3503
55°	3024	5006	7275	6378	5670	2714
65°	1735	3468	3330	1852	1593	1717
75°	699	1623	1070	732	695	762
85°	148	578	545	533	539	165
90°	2	209	359	411	420	10
95°	4	122	286	336	346	3
105°	8	69	186	223	227	8
115°	12	40	114	140	144	12
125°	14	20	67	87	89	12
135°	12	12	32	53	55	9
145°	16	12	14	26	30	9
155°	16	16	12	12	12	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9150.1	9150.1	9150.1	9150.1	9150.1
2.5°	9110.6	9150.1	9152.1	9207.3	9201.4
5°	9065.2	9134.3	9183.7	9264.6	9254.7
7.5°	8990.2	9098.8	9185.6	9274.5	9266.6
10°	8883.6	9031.6	9146.1	9219.2	9195.5
12.5°	8745.4	8940.8	9053.4	9069.2	9023.8
15°	8577.6	8818.4	8903.3	8836.2	8765.1
17.5°	8388.1	8670.4	8700.0	8553.9	8465.1
20°	8151.2	8473.0	8443.4	8242.0	8143.3
22.5°	7888.6	8255.8	8161.1	7949.8	7855.1
25°	7600.4	8007.1	7870.9	7722.8	7730.7
27.5°	7262.8	7724.8	7592.5	7659.6	7786.0
30°	6919.3	7428.7	7347.7	7738.6	7987.3
32.5°	6542.3	7124.6	7197.7	7969.6	8376.2
35°	6169.2	6820.6	7162.1	8352.5	8887.5
37.5°	5756.6	6512.7	7219.4	8794.8	9355.4
40°	5355.8	6212.6	7349.7	9191.6	9665.3
42.5°	4947.2	5944.1	7568.8	9426.5	9795.6
45°	4542.5	5715.1	7811.6	9458.1	9655.5
47.5°	4137.8	5521.6	7979.4	9207.3	9116.5
50°	3746.9	5349.9	7991.3	8605.2	8234.1
52.5°	3381.7	5192.0	7774.1	7645.8	7069.4
55°	3024.4	5006.4	7274.7	6378.4	5669.7
57.5°	2698.6	4749.8	6504.8	5016.3	4242.4
60°	2353.2	4402.3	5509.8	3669.9	3059.9
62.5°	2035.3	3970.0	4394.4	2554.5	2199.2
65°	1735.3	3468.5	3330.4	1851.7	1593.1
67.5°	1417.4	2949.4	2457.8	1350.3	1184.5
70°	1168.7	2467.7	1830.0	1050.2	953.5
72.5°	914.0	2009.7	1368.1	852.8	799.5
75°	698.8	1622.7	1070.0	732.4	694.9
77.5°	515.2	1283.2	860.7	647.5	612.0
80°	361.3	1010.8	720.6	578.4	564.6
82.5°	242.8	781.8	614.0	550.8	552.8
85°	148.1	578.4	544.9	533.0	538.9
87.5°	71.1	410.6	467.9	485.6	491.6
90°	2.0	209.3	359.3	410.6	420.5
92.5°	0.0	159.9	315.9	367.2	377.1
95°	3.9	122.4	286.2	335.6	345.5
97.5°	3.9	100.7	256.6	308.0	313.9
100°	5.9	86.9	229.0	278.4	284.3
102.5°	5.9	77.0	205.3	248.7	252.7
105°	7.9	69.1	185.6	223.1	227.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.8	47.4	130.3	157.9	161.9
115°	11.8	39.5	114.5	140.2	144.1
117.5°	13.8	35.5	100.7	124.4	126.3
120°	13.8	29.6	86.9	110.6	112.5
122.5°	13.8	23.7	77.0	98.7	100.7
125°	13.8	19.7	67.1	86.9	88.8
127.5°	11.8	13.8	57.2	77.0	79.0
130°	11.8	11.8	47.4	67.1	71.1
132.5°	11.8	11.8	39.5	59.2	63.2
135°	11.8	11.8	31.6	53.3	55.3
137.5°	11.8	11.8	25.7	45.4	49.4
140°	11.8	11.8	19.7	39.5	41.5
142.5°	13.8	11.8	17.8	33.6	35.5
145°	15.8	11.8	13.8	25.7	29.6
147.5°	15.8	13.8	13.8	21.7	23.7
150°	15.8	15.8	11.8	15.8	19.7
152.5°	15.8	15.8	11.8	11.8	15.8
155°	15.8	15.8	11.8	11.8	11.8
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°	9.9	61.2	165.8	199.4	203.3
110°	9.9	53.3	146.1	177.7	181.6



(END OF REPORT)