

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: P830383

Luminaire Tested: **OHBL-36SE-A-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830383
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-L830-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

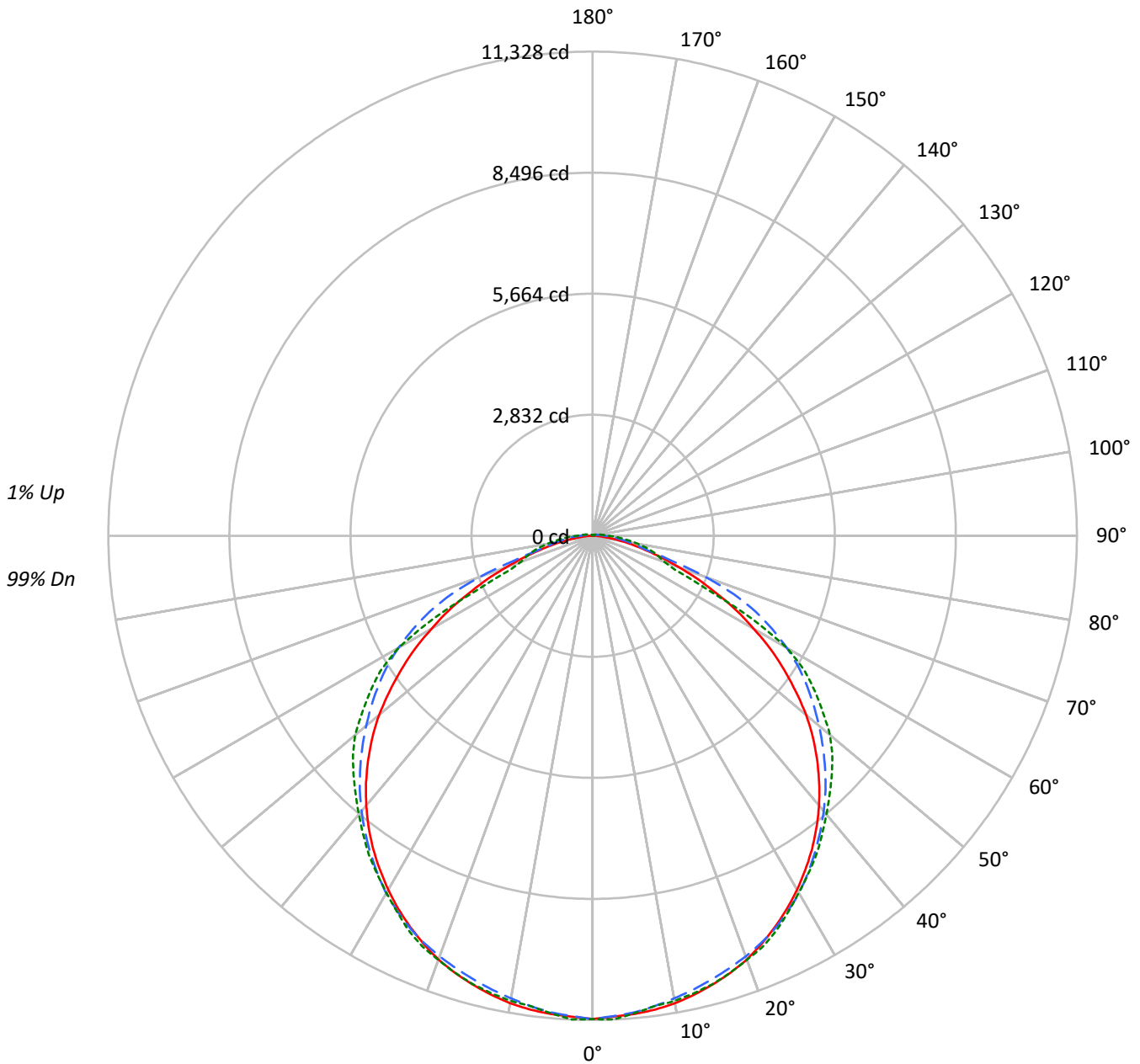
Lumens per Lamp: N/A
Luminaire Lumens: 31954.0 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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°	17879	17879	17879
5°	17762	17619	17656
10°	17697	17353	17460
15°	17585	17153	17343
20°	17472	17027	17190
25°	17262	16901	17038
30°	17032	16701	16715
35°	16758	16384	16538
40°	16402	16057	16296
45°	15908	15679	16188
50°	15238	15248	16060
55°	14175	14824	15461
60°	12782	14204	14294
65°	10965	13052	9059
70°	8832	10189	6568
75°	6622	6049	6666
80°	4609	5029	6364
85°	2623	4608	5966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1066.0	3.3
10°-20°	3056.8	9.6
20°-30°	4668.6	14.6
30°-40°	5664.6	17.7
40°-50°	5937.1	18.6
50°-60°	5379.9	16.8
60°-70°	3607.0	11.3
70°-80°	1619.7	5.1
80°-90°	587.8	1.8
90°-100°	176.9	0.6
100°-110°	83.5	0.3
110°-120°	41.8	0.1
120°-130°	23.1	0.1
130°-140°	15.9	0.0
140°-150°	10.7	0.0
150°-160°	7.9	0.0
160°-170°	5.1	0.0
170°-180°	1.6	0.0
0°-30°	8791.4	27.5
0°-40°	14456.0	45.2
0°-60°	25773.0	80.7
0°-90°	31587.5	98.9
90°-120°	302.2	0.9
90°-150°	351.9	1.1
90°-180°	366.0	1.1
0°-180°	31954.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11305	11305	11305	11305	11305	
5°	11232	11271	11193	11227	11212	###
15°	10867	10825	10748	10843	10856	3068
25°	10096	10052	10122	10215	10186	4654
35°	8948	8969	9061	9157	9121	5593
45°	7426	7547	7688	7884	7908	5721
55°	5465	5728	6119	6364	6349	4878
65°	3207	3709	4211	3554	2902	3196
75°	1262	1831	1347	1378	1468	1379
85°	217	417	534	646	677	265
90°	2	139	276	346	363	13
95°	2	87	190	230	237	2
105°	6	38	93	113	118	8
115°	13	20	47	60	64	12
125°	11	13	29	34	36	11
135°	15	16	18	26	28	12
145°	15	16	16	18	20	10
155°	16	18	18	18	16	8
165°	18	18	18	18	18	5
175°	18	18	16	15	15	2
180°	16	16	16	16	16	



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CATALOG NUMBER: OHBL-36SE-A-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11305.4	11305.4	11305.4	11305.4	11305.4
2.5°	11259.6	11307.0	11248.1	11311.9	11328.2
5°	11231.8	11271.0	11192.6	11226.9	11212.2
7.5°	11181.1	11194.2	11101.0	11128.8	11099.4
10°	11105.9	11099.4	10989.9	11043.8	11050.3
12.5°	10994.8	10975.1	10877.1	10958.8	10960.4
15°	10867.3	10824.8	10747.9	10842.7	10855.8
17.5°	10720.1	10664.6	10613.9	10736.5	10716.9
20°	10548.5	10483.1	10473.3	10607.3	10558.3
22.5°	10336.0	10285.3	10308.2	10435.7	10404.7
25°	10095.7	10051.6	10121.9	10215.0	10185.6
27.5°	9842.3	9816.2	9896.3	9968.2	9911.0
30°	9564.4	9549.7	9656.0	9714.8	9642.9
32.5°	9262.0	9266.9	9368.3	9448.4	9381.3
35°	8948.2	8969.4	9061.0	9157.4	9121.4
37.5°	8603.2	8650.7	8742.2	8851.7	8814.1
40°	8238.7	8307.4	8408.7	8541.1	8506.8
42.5°	7844.8	7931.4	8062.2	8209.3	8206.0
45°	7426.3	7547.3	7687.8	7884.0	7908.5
47.5°	6991.5	7127.1	7305.3	7566.9	7604.5
50°	6519.0	6689.1	6911.4	7225.2	7248.1
52.5°	5992.7	6224.8	6519.0	6819.8	6792.0
55°	5464.7	5727.9	6118.6	6363.8	6349.0
57.5°	4938.3	5234.2	5708.3	5883.2	5881.5
60°	4349.8	4724.2	5242.4	5374.8	5244.0
62.5°	3805.5	4207.6	4745.4	4649.0	4201.1
65°	3207.2	3709.1	4210.9	3553.8	2901.5
67.5°	2675.9	3199.0	3576.6	2434.0	2084.2
70°	2141.4	2718.5	2788.7	1806.3	1781.8
72.5°	1667.4	2282.0	1924.0	1546.4	1624.9
75°	1262.0	1830.8	1347.0	1378.0	1467.9
77.5°	920.3	1405.8	1047.8	1208.0	1281.6
80°	632.6	995.5	854.9	1015.1	1065.8
82.5°	397.2	657.1	684.9	817.3	869.6
85°	217.4	416.8	534.5	645.7	676.8
87.5°	89.9	251.7	408.7	498.6	524.7
90°	1.6	138.9	276.3	346.5	362.9
92.5°	1.6	106.3	225.6	279.5	291.0
95°	1.6	86.6	189.6	230.5	237.0
97.5°	3.3	68.7	158.6	191.3	197.8
100°	4.9	57.2	132.4	160.2	165.1
102.5°	6.5	45.8	111.2	134.0	138.9
105°	6.5	37.6	93.2	112.8	117.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.4	22.9	55.6	70.3	73.6
115°	13.1	19.6	47.4	60.5	63.8
117.5°	13.1	16.3	40.9	50.7	53.9
120°	13.1	14.7	36.0	44.1	45.8
122.5°	13.1	13.1	31.1	39.2	40.9
125°	11.4	13.1	29.4	34.3	36.0
127.5°	13.1	13.1	26.2	31.1	32.7
130°	13.1	14.7	22.9	29.4	29.4
132.5°	14.7	16.3	21.3	27.8	27.8
135°	14.7	16.3	18.0	26.2	27.8
137.5°	16.3	16.3	16.3	24.5	26.2
140°	16.3	16.3	14.7	21.3	22.9
142.5°	14.7	16.3	14.7	19.6	21.3
145°	14.7	16.3	16.3	18.0	19.6
147.5°	16.3	16.3	16.3	16.3	18.0
150°	16.3	16.3	16.3	16.3	16.3
152.5°	16.3	16.3	16.3	16.3	16.3
155°	16.3	18.0	18.0	18.0	16.3
157.5°	16.3	18.0	18.0	18.0	18.0
160°	16.3	18.0	18.0	18.0	18.0
162.5°	18.0	18.0	18.0	18.0	18.0
165°	18.0	18.0	18.0	18.0	18.0
167.5°	18.0	19.6	18.0	18.0	18.0
170°	18.0	18.0	18.0	16.3	16.3
172.5°	18.0	18.0	18.0	16.3	16.3
175°	18.0	18.0	16.3	14.7	14.7
177.5°	19.6	18.0	16.3	14.7	13.1
180°	16.3	16.3	16.3	16.3	16.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.2	31.1	80.1	96.4	99.7
110°	9.8	26.2	67.0	81.7	85.0



(END OF REPORT)