

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: P830385

Luminaire Tested: **OHBL-36SE-A-UNV-L840-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830385
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-L840-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

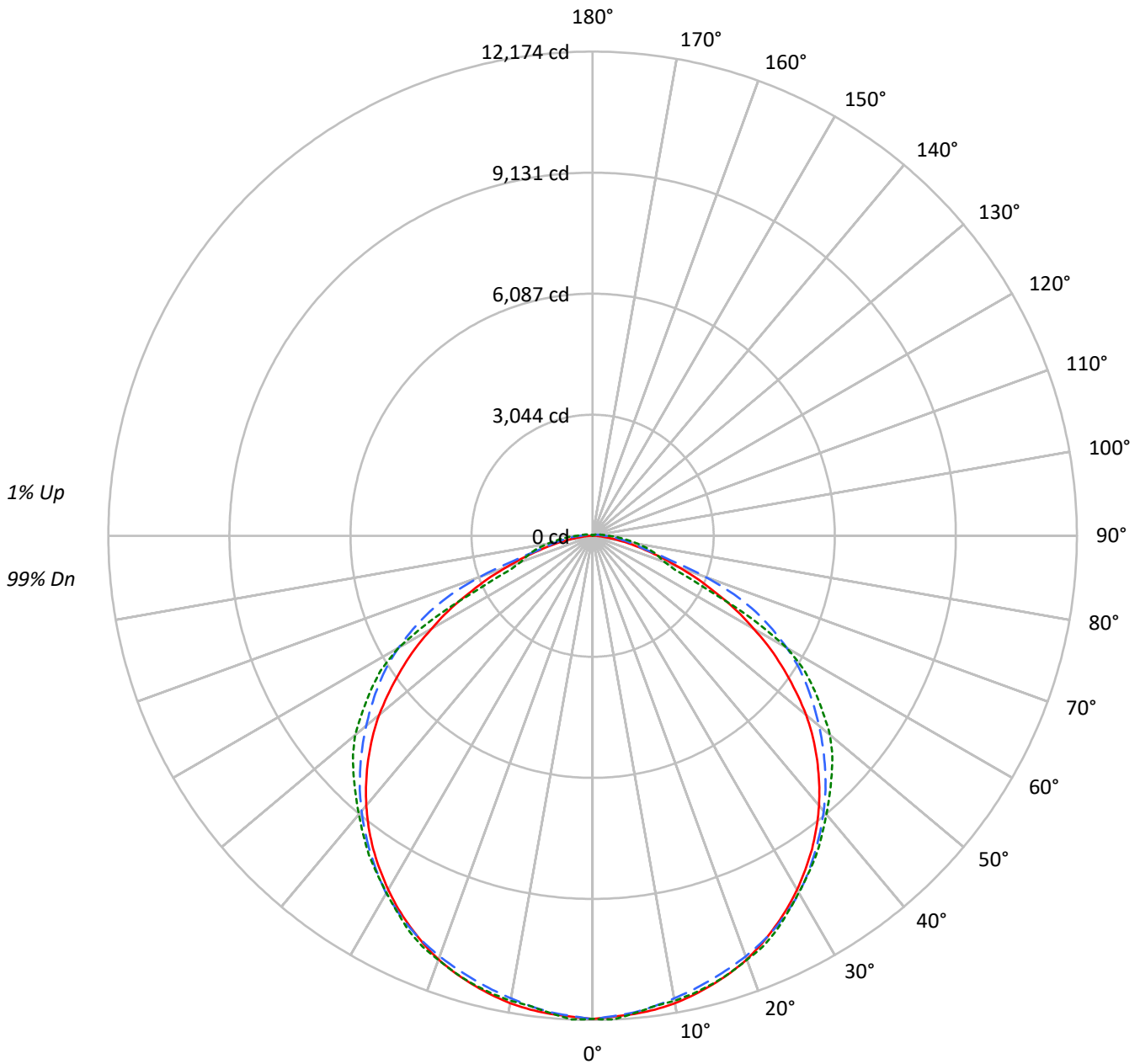
Lumens per Lamp: N/A
Luminaire Lumens: 34339.0 lumens
Efficiency: N/A
Efficacy: 162.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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°	19214	19214	19214
5°	19088	18935	18974
10°	19018	18648	18763
15°	18897	18433	18638
20°	18777	18298	18473
25°	18550	18162	18309
30°	18304	17948	17963
35°	18009	17607	17772
40°	17626	17256	17512
45°	17095	16849	17397
50°	16376	16386	17259
55°	15233	15930	16615
60°	13736	15264	15361
65°	11783	14026	9735
70°	9491	10950	7058
75°	7116	6500	7163
80°	4953	5404	6839
85°	2819	4952	6411



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1145.6	3.3
10°-20°	3284.9	9.6
20°-30°	5017.1	14.6
30°-40°	6087.4	17.7
40°-50°	6380.2	18.6
50°-60°	5781.4	16.8
60°-70°	3876.2	11.3
70°-80°	1740.6	5.1
80°-90°	631.6	1.8
90°-100°	190.1	0.6
100°-110°	89.7	0.3
110°-120°	45.0	0.1
120°-130°	24.8	0.1
130°-140°	17.1	0.0
140°-150°	11.5	0.0
150°-160°	8.5	0.0
160°-170°	5.5	0.0
170°-180°	1.7	0.0
0°-30°	9447.5	27.5
0°-40°	15535.0	45.2
0°-60°	27696.7	80.7
0°-90°	33945.1	98.9
90°-120°	324.8	0.9
90°-150°	378.2	1.1
90°-180°	394.0	1.1
0°-180°	34339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12149	12149	12149	12149	12149	
5°	12070	12112	12028	12065	12049	###
15°	11678	11633	11550	11652	11666	3297
25°	10849	10802	10877	10978	10946	5001
35°	9616	9639	9737	9841	9802	6010
45°	7981	8111	8262	8472	8499	6148
55°	5873	6155	6575	6839	6823	5242
65°	3447	3986	4525	3819	3118	3434
75°	1356	1968	1448	1481	1578	1482
85°	234	448	574	694	727	285
90°	2	149	297	372	390	14
95°	2	93	204	248	255	2
105°	7	40	100	121	126	8
115°	14	21	51	65	68	13
125°	12	14	32	37	39	12
135°	16	18	19	28	30	13
145°	16	18	18	19	21	10
155°	18	19	19	19	18	8
165°	19	19	19	19	19	5
175°	19	19	18	16	16	2
180°	18	18	18	18	18	



TEST NUMBER: P830385

CATALOG NUMBER: OHBL-36SE-A-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12149.2	12149.2	12149.2	12149.2	12149.2
2.5°	12100.0	12150.9	12087.7	12156.2	12173.8
5°	12070.1	12112.3	12028.0	12064.8	12049.0
7.5°	12015.7	12029.7	11929.6	11959.4	11927.8
10°	11934.9	11927.8	11810.1	11868.1	11875.1
12.5°	11815.4	11794.3	11688.9	11776.8	11778.5
15°	11678.4	11632.7	11550.1	11652.0	11666.1
17.5°	11520.3	11460.6	11406.1	11537.8	11516.8
20°	11335.8	11265.6	11255.0	11399.1	11346.4
22.5°	11107.5	11053.0	11077.6	11214.6	11181.2
25°	10849.2	10801.8	10877.3	10977.5	10945.8
27.5°	10576.9	10548.8	10634.9	10712.2	10650.7
30°	10278.3	10262.5	10376.7	10439.9	10362.6
32.5°	9953.3	9958.6	10067.5	10153.6	10081.6
35°	9616.0	9638.9	9737.3	9840.9	9802.2
37.5°	9245.4	9296.3	9394.7	9512.4	9472.0
40°	8853.6	8927.4	9036.3	9178.6	9141.7
42.5°	8430.3	8523.4	8663.9	8822.0	8818.5
45°	7980.6	8110.6	8261.6	8472.4	8498.8
47.5°	7513.3	7659.1	7850.6	8131.7	8172.1
50°	7005.6	7188.3	7427.2	7764.5	7789.1
52.5°	6440.0	6689.4	7005.6	7328.8	7299.0
55°	5872.6	6155.4	6575.2	6838.7	6822.9
57.5°	5306.9	5624.9	6134.3	6322.3	6320.5
60°	4674.5	5076.8	5633.7	5775.9	5635.4
62.5°	4089.5	4521.7	5099.6	4996.0	4514.7
65°	3446.6	3985.9	4525.2	3819.0	3118.1
67.5°	2875.7	3437.8	3843.6	2615.7	2239.8
70°	2301.2	2921.4	2996.9	1941.1	1914.8
72.5°	1791.8	2452.3	2067.6	1661.8	1746.1
75°	1356.2	1967.5	1447.5	1480.9	1577.5
77.5°	989.0	1510.7	1126.0	1298.2	1377.2
80°	679.8	1069.8	918.7	1090.9	1145.4
82.5°	426.9	706.2	736.0	878.3	934.6
85°	233.6	448.0	574.4	693.9	727.3
87.5°	96.6	270.5	439.2	535.8	563.9
90°	1.8	149.3	296.9	372.4	390.0
92.5°	1.8	114.2	242.4	300.4	312.7
95°	1.8	93.1	203.8	247.7	254.7
97.5°	3.5	73.8	170.4	205.5	212.6
100°	5.3	61.5	142.3	172.2	177.4
102.5°	7.0	49.2	119.5	144.0	149.3
105°	7.0	40.4	100.1	121.2	126.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.3	24.6	59.7	75.5	79.1
115°	14.1	21.1	50.9	65.0	68.5
117.5°	14.1	17.6	43.9	54.5	58.0
120°	14.1	15.8	38.6	47.4	49.2
122.5°	14.1	14.1	33.4	42.2	43.9
125°	12.3	14.1	31.6	36.9	38.6
127.5°	14.1	14.1	28.1	33.4	35.1
130°	14.1	15.8	24.6	31.6	31.6
132.5°	15.8	17.6	22.8	29.9	29.9
135°	15.8	17.6	19.3	28.1	29.9
137.5°	17.6	17.6	17.6	26.4	28.1
140°	17.6	17.6	15.8	22.8	24.6
142.5°	15.8	17.6	15.8	21.1	22.8
145°	15.8	17.6	17.6	19.3	21.1
147.5°	17.6	17.6	17.6	17.6	19.3
150°	17.6	17.6	17.6	17.6	17.6
152.5°	17.6	17.6	17.6	17.6	17.6
155°	17.6	19.3	19.3	19.3	17.6
157.5°	17.6	19.3	19.3	19.3	19.3
160°	17.6	19.3	19.3	19.3	19.3
162.5°	19.3	19.3	19.3	19.3	19.3
165°	19.3	19.3	19.3	19.3	19.3
167.5°	19.3	21.1	19.3	19.3	19.3
170°	19.3	19.3	19.3	17.6	17.6
172.5°	19.3	19.3	19.3	17.6	17.6
175°	19.3	19.3	17.6	15.8	15.8
177.5°	21.1	19.3	17.6	15.8	14.1
180°	17.6	17.6	17.6	17.6	17.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.8	33.4	86.1	103.6	107.2
110°	10.5	28.1	72.0	87.8	91.3



(END OF REPORT)