

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: P830312

Luminaire Tested: **OHBL-36HE-A-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830312
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-36HE-A-UNV-L835-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

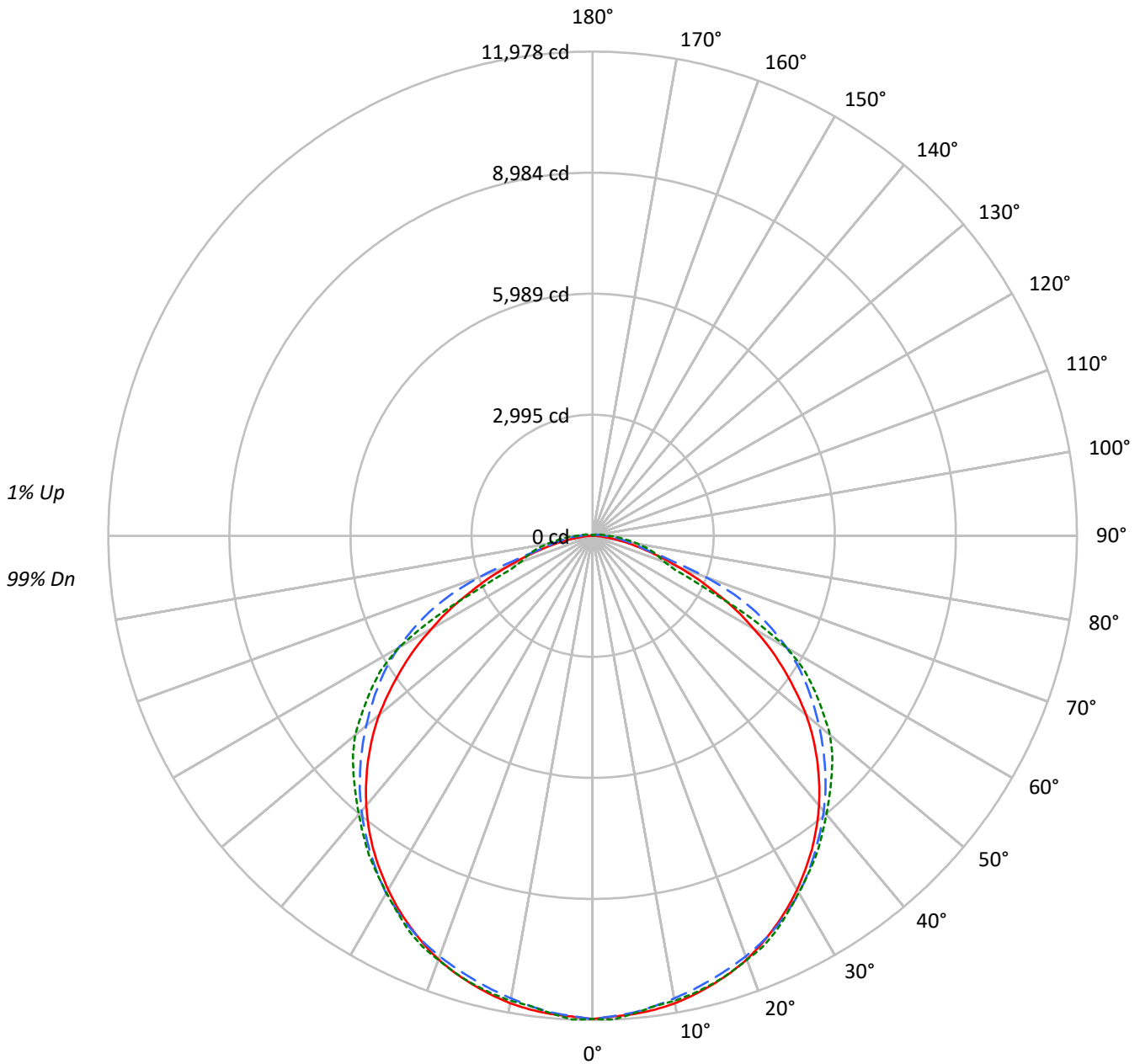
Lumens per Lamp: N/A
Luminaire Lumens: 33786.0 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
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°	18904	18904	18904
5°	18780	18630	18669
10°	18712	18347	18461
15°	18593	18136	18338
20°	18474	18003	18175
25°	18251	17870	18015
30°	18009	17659	17674
35°	17719	17324	17486
40°	17342	16978	17230
45°	16820	16578	17117
50°	16112	16122	16981
55°	14988	15674	16347
60°	13515	15018	15113
65°	11594	13800	9578
70°	9338	10773	6944
75°	7001	6395	7048
80°	4873	5317	6729
85°	2774	4873	6308



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1127.1	3.3
10°-20°	3232.0	9.6
20°-30°	4936.3	14.6
30°-40°	5989.4	17.7
40°-50°	6277.5	18.6
50°-60°	5688.3	16.8
60°-70°	3813.8	11.3
70°-80°	1712.6	5.1
80°-90°	621.5	1.8
90°-100°	187.1	0.6
100°-110°	88.3	0.3
110°-120°	44.2	0.1
120°-130°	24.4	0.1
130°-140°	16.8	0.0
140°-150°	11.3	0.0
150°-160°	8.4	0.0
160°-170°	5.4	0.0
170°-180°	1.7	0.0
0°-30°	9295.4	27.5
0°-40°	15284.8	45.2
0°-60°	27250.7	80.7
0°-90°	33398.5	98.9
90°-120°	319.6	0.9
90°-150°	372.1	1.1
90°-180°	388.0	1.1
0°-180°	33786.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11954	11954	11954	11954	11954	
5°	11876	11917	11834	11871	11855	###
15°	11490	11445	11364	11464	11478	3244
25°	10674	10628	10702	10801	10770	4920
35°	9461	9484	9580	9682	9644	5914
45°	7852	7980	8129	8336	8362	6049
55°	5778	6056	6469	6729	6713	5158
65°	3391	3922	4452	3758	3068	3379
75°	1334	1936	1424	1457	1552	1458
85°	230	441	565	683	716	281
90°	2	147	292	366	384	14
95°	2	92	200	244	251	2
105°	7	40	98	119	124	8
115°	14	21	50	64	67	13
125°	12	14	31	36	38	12
135°	16	17	19	28	29	12
145°	16	17	17	19	21	10
155°	17	19	19	19	17	8
165°	19	19	19	19	19	5
175°	19	19	17	16	16	2
180°	17	17	17	17	17	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11953.5	11953.5	11953.5	11953.5	<i>11953.5</i>
2.5°	<i>11905.1</i>	<i>11955.2</i>	<i>11893.0</i>	<i>11960.4</i>	<i>11977.7</i>
5°	11875.7	11917.2	11834.3	11870.6	<i>11855.0</i>
7.5°	11822.2	11836.0	11737.5	11766.8	<i>11735.7</i>
10°	11742.7	11735.7	11619.9	11677.0	<i>11683.9</i>
12.5°	11625.1	11604.4	11500.7	11587.1	<i>11588.8</i>
15°	11490.3	11445.4	11364.1	11464.4	<i>11478.2</i>
17.5°	11334.8	11276.0	11222.4	11352.0	<i>11331.3</i>
20°	11153.3	11084.1	11073.8	11215.5	<i>11163.6</i>
22.5°	10928.6	10875.0	10899.2	11034.0	<i>11001.2</i>
25°	10674.5	10627.8	10702.2	10800.7	<i>10769.6</i>
27.5°	10406.6	10379.0	10463.6	10539.7	<i>10479.2</i>
30°	10112.8	10097.2	10209.6	10271.8	<i>10195.7</i>
32.5°	9793.0	9798.2	9905.4	9990.1	<i>9919.2</i>
35°	9461.2	9483.7	9580.4	9682.4	<i>9644.4</i>
37.5°	9096.5	9146.6	9243.4	9359.2	<i>9319.5</i>
40°	8711.1	8783.7	8890.8	9030.8	<i>8994.5</i>
42.5°	8294.5	8386.1	8524.4	8680.0	<i>8676.5</i>
45°	7852.1	7980.0	8128.6	8336.0	<i>8361.9</i>
47.5°	7392.3	7535.8	7724.2	8000.7	<i>8040.5</i>
50°	6892.8	7072.6	7307.6	7639.5	<i>7663.7</i>
52.5°	6336.3	6581.7	6892.8	7210.8	<i>7181.4</i>
55°	5778.0	6056.3	6469.3	6728.6	<i>6713.0</i>
57.5°	5221.5	5534.3	6035.5	6220.5	<i>6218.7</i>
60°	4599.2	4995.0	5542.9	5682.9	<i>5544.7</i>
62.5°	4023.7	4448.9	5017.5	4915.5	<i>4442.0</i>
65°	3391.1	3921.7	4452.3	3757.5	<i>3067.9</i>
67.5°	2829.4	3382.5	3781.7	2573.6	<i>2203.7</i>
70°	2264.2	2874.3	2948.6	1909.9	<i>1883.9</i>
72.5°	1763.0	2412.8	2034.3	1635.1	<i>1718.0</i>
75°	1334.3	1935.8	1424.2	1457.0	<i>1552.1</i>
77.5°	973.1	1486.4	1107.9	1277.3	<i>1355.1</i>
80°	668.9	1052.6	903.9	1073.3	<i>1126.9</i>
82.5°	420.0	694.8	724.2	864.2	<i>919.5</i>
85°	229.9	440.7	565.2	682.7	<i>715.6</i>
87.5°	95.1	266.2	432.1	527.2	<i>554.8</i>
90°	1.7	146.9	292.1	366.4	<i>383.7</i>
92.5°	1.7	112.3	238.5	295.6	<i>307.7</i>
95°	1.7	91.6	200.5	243.7	<i>250.6</i>
97.5°	3.5	72.6	167.7	202.2	<i>209.1</i>
100°	5.2	60.5	140.0	169.4	<i>174.6</i>
102.5°	6.9	48.4	117.5	141.7	<i>146.9</i>
105°	6.9	39.8	98.5	119.3	<i>124.4</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.1	24.2	58.8	74.3	77.8
115°	13.8	20.7	50.1	64.0	67.4
117.5°	13.8	17.3	43.2	53.6	57.0
120°	13.8	15.6	38.0	46.7	48.4
122.5°	13.8	13.8	32.8	41.5	43.2
125°	12.1	13.8	31.1	36.3	38.0
127.5°	13.8	13.8	27.7	32.8	34.6
130°	13.8	15.6	24.2	31.1	31.1
132.5°	15.6	17.3	22.5	29.4	29.4
135°	15.6	17.3	19.0	27.7	29.4
137.5°	17.3	17.3	17.3	25.9	27.7
140°	17.3	17.3	15.6	22.5	24.2
142.5°	15.6	17.3	15.6	20.7	22.5
145°	15.6	17.3	17.3	19.0	20.7
147.5°	17.3	17.3	17.3	17.3	19.0
150°	17.3	17.3	17.3	17.3	17.3
152.5°	17.3	17.3	17.3	17.3	17.3
155°	17.3	19.0	19.0	19.0	17.3
157.5°	17.3	19.0	19.0	19.0	19.0
160°	17.3	19.0	19.0	19.0	19.0
162.5°	19.0	19.0	19.0	19.0	19.0
165°	19.0	19.0	19.0	19.0	19.0
167.5°	19.0	20.7	19.0	19.0	19.0
170°	19.0	19.0	19.0	17.3	17.3
172.5°	19.0	19.0	19.0	17.3	17.3
175°	19.0	19.0	17.3	15.6	15.6
177.5°	20.7	19.0	17.3	15.6	13.8
180°	17.3	17.3	17.3	17.3	17.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.6	32.8	84.7	102.0	105.4
110°	10.4	27.7	70.9	86.4	89.9



(END OF REPORT)