

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: P830348

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-N-UNV-L835-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

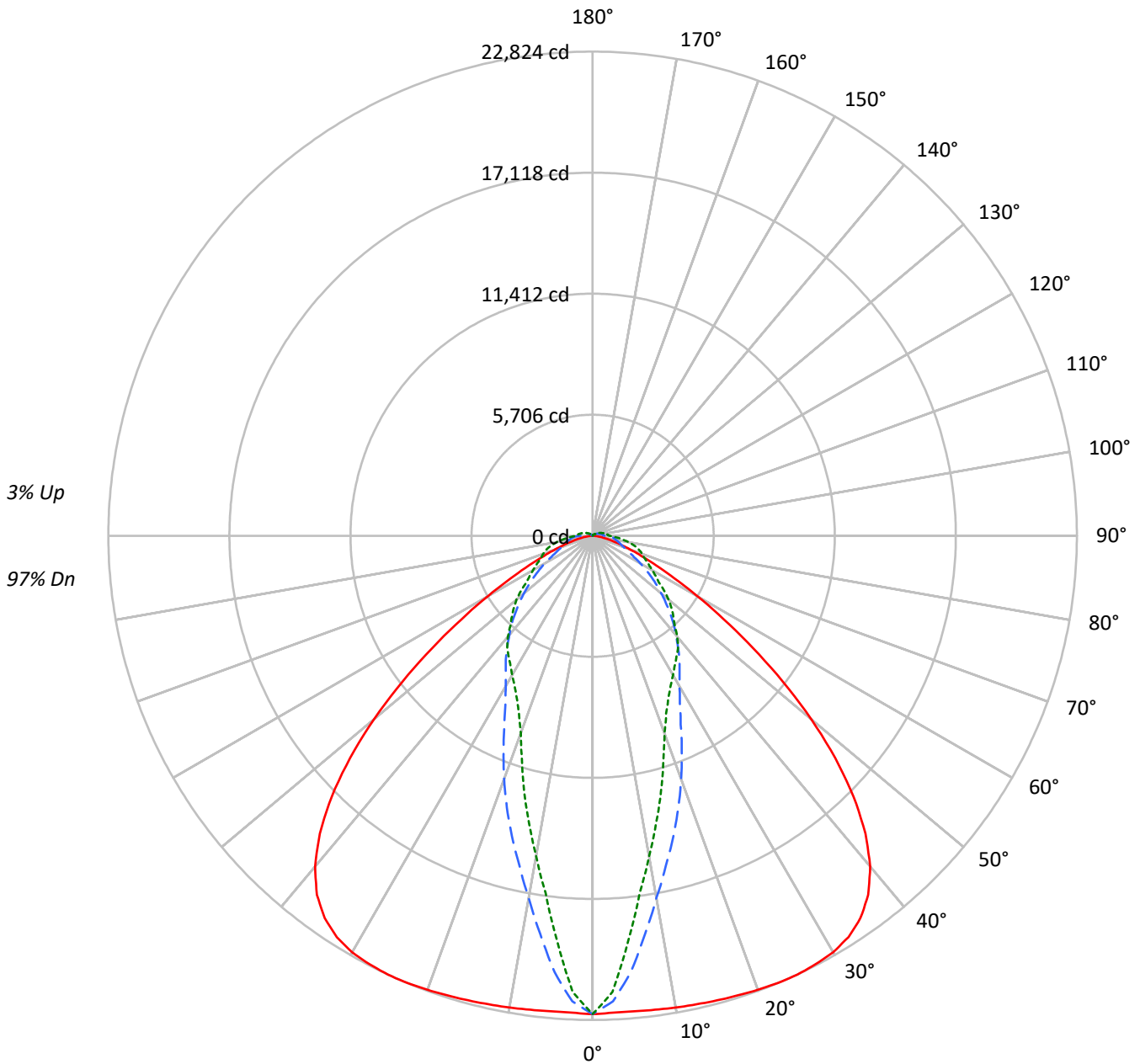
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33278.0 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
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

TEST NUMBER: P830348
CATALOG NUMBER: OHBL-36HE-N-UNV-L835-CD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35658	35658	35658
5°	35586	32488	30212
10°	35987	27378	24241
15°	36690	23426	19909
20°	37721	19817	16114
25°	39026	16411	14129
30°	40375	14145	13135
35°	41215	12899	12524
40°	40509	11659	11893
45°	37267	10543	11021
50°	31442	9322	10356
55°	23891	8173	9229
60°	16742	7018	8850
65°	11262	6053	8683
70°	7691	5692	9136
75°	5337	5888	9803
80°	3674	6552	10161
85°	2149	8269	10801



TEST NUMBER: P830348

CATALOG NUMBER: OHBL-36HE-N-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1898.0	5.7
10°-20°	4465.0	13.4
20°-30°	5596.9	16.8
30°-40°	5938.9	17.8
40°-50°	5369.7	16.1
50°-60°	3893.4	11.7
60°-70°	2443.3	7.3
70°-80°	1616.9	4.9
80°-90°	931.5	2.8
90°-100°	451.3	1.4
100°-110°	311.5	0.9
110°-120°	192.2	0.6
120°-130°	93.1	0.3
130°-140°	42.8	0.1
140°-150°	23.4	0.1
150°-160°	10.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	11959.9	35.9
0°-40°	17898.8	53.8
0°-60°	27161.9	81.6
0°-90°	32153.6	96.6
90°-120°	955.0	2.9
90°-150°	1114.3	3.3
90°-180°	1124.0	3.4
0°-180°	33278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22548	22548	22548	22548	22548	
5°	22503	21925	20638	19681	19185	###
15°	22674	18481	14678	13054	12462	6430
25°	22824	14290	9828	8723	8446	10545
35°	22007	9500	7133	6910	6908	13681
45°	17397	6017	5170	5294	5384	13253
55°	9210	3730	3374	3659	3790	8322
65°	3294	2163	1953	2502	2781	3428
75°	1017	1165	1311	2036	2159	1134
85°	178	483	959	1335	1225	214
90°	0	202	556	783	790	11
95°	9	142	489	665	695	8
105°	17	94	356	472	485	17
115°	24	66	240	300	307	23
125°	26	34	122	154	152	22
135°	22	26	54	84	84	17
145°	26	28	32	49	47	15
155°	26	32	34	36	32	8
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830348

CATALOG NUMBER: OHBL-36HE-N-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22547.6	22547.6	22547.6	22547.6	22547.6
2.5°	22500.4	22371.7	21970.4	21725.7	21519.7
5°	22502.6	21925.3	20637.7	19680.6	19184.9
7.5°	22534.7	21251.5	18931.7	17534.7	16989.6
10°	22584.1	20416.7	17339.4	15850.1	15341.5
12.5°	22620.6	19476.7	15938.1	14408.0	13850.0
15°	22674.2	18481.0	14678.4	13053.9	12461.6
17.5°	22723.6	17543.2	13433.7	11736.3	11077.5
20°	22772.9	16532.5	12189.1	10440.1	9897.2
22.5°	22820.2	15465.9	10974.4	9433.6	9062.4
25°	22824.4	14290.0	9828.5	8723.3	8446.5
27.5°	22768.7	13071.1	8899.3	8128.9	7957.2
30°	22672.1	11888.6	8178.3	7699.7	7577.4
32.5°	22431.7	10682.6	7620.3	7285.5	7214.7
35°	22006.8	9500.2	7133.2	6910.0	6907.9
37.5°	21337.3	8450.8	6605.3	6566.6	6613.9
40°	20348.0	7532.3	6105.3	6208.3	6208.3
42.5°	19028.2	6734.0	5652.5	5757.6	5729.7
45°	17397.3	6017.3	5169.6	5294.1	5384.2
47.5°	15506.7	5386.4	4676.1	4916.4	5040.9
50°	13450.9	4785.5	4225.4	4532.3	4673.9
52.5°	11296.3	4229.7	3785.5	4137.4	4251.2
55°	9210.5	3729.7	3373.5	3658.9	3789.8
57.5°	7322.0	3253.3	2970.0	3240.4	3510.8
60°	5697.5	2843.4	2590.2	2976.4	3246.8
62.5°	4352.0	2478.6	2233.9	2729.7	3000.1
65°	3294.1	2163.1	1952.8	2502.2	2781.2
67.5°	2482.9	1890.6	1733.9	2337.0	2609.5
70°	1864.8	1626.6	1558.0	2233.9	2478.6
72.5°	1377.7	1384.1	1418.5	2143.8	2330.5
75°	1017.2	1165.3	1311.2	2036.5	2158.8
77.5°	727.5	965.7	1214.6	1907.8	1950.7
80°	504.3	787.6	1113.8	1738.2	1701.7
82.5°	315.5	630.9	1023.6	1551.5	1450.7
85°	178.1	482.8	959.2	1334.8	1225.3
87.5°	79.4	360.5	839.1	1040.8	972.1
90°	0.0	201.7	555.8	783.3	789.7
92.5°	4.3	167.4	512.9	716.8	738.2
95°	8.6	141.6	489.3	665.2	695.3
97.5°	10.7	124.5	459.2	618.0	643.8
100°	12.9	111.6	422.8	568.7	590.1
102.5°	15.0	103.0	388.4	517.2	534.3
105°	17.2	94.4	356.2	472.1	485.0



TEST NUMBER: P830348

CATALOG NUMBER: OHBL-36HE-N-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.5	73.0	268.2	339.1	349.8
115°	23.6	66.5	240.3	300.4	306.9
117.5°	25.8	57.9	210.3	264.0	266.1
120°	25.8	51.5	180.3	225.3	225.3
122.5°	25.8	42.9	150.2	186.7	184.6
125°	25.8	34.3	122.3	154.5	152.4
127.5°	23.6	27.9	98.7	128.8	126.6
130°	23.6	27.9	79.4	109.4	109.4
132.5°	21.5	25.8	64.4	94.4	94.4
135°	21.5	25.8	53.6	83.7	83.7
137.5°	21.5	27.9	45.1	73.0	73.0
140°	21.5	25.8	38.6	64.4	64.4
142.5°	23.6	25.8	34.3	55.8	55.8
145°	25.8	27.9	32.2	49.4	47.2
147.5°	25.8	30.0	32.2	42.9	40.8
150°	25.8	32.2	32.2	38.6	36.5
152.5°	25.8	32.2	32.2	36.5	34.3
155°	25.8	32.2	34.3	36.5	32.2
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°	17.2	88.0	326.2	422.8	437.8
110°	19.3	79.4	298.3	377.7	392.7



(END OF REPORT)