

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: P830308

Luminaire Tested: **OHBL-36HE-A-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830308
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-L735-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

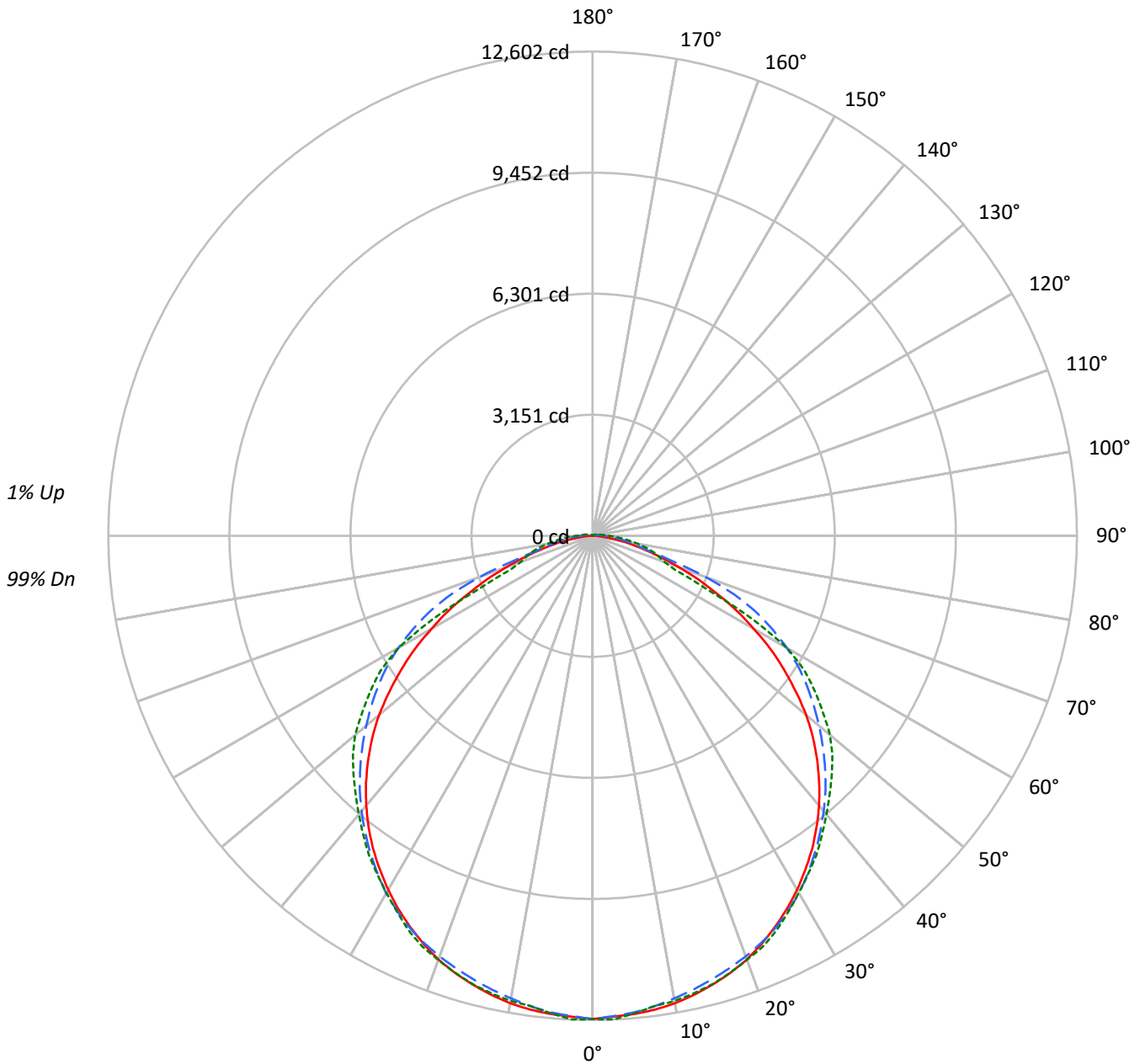
Lumens per Lamp: N/A
Luminaire Lumens: 35548.0 lumens
Efficiency: N/A
Efficacy: 167.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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: P830308

CATALOG NUMBER: OHBL-36HE-A-UNV-L735-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	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°	19890	19890	19890
5°	19760	19601	19642
10°	19688	19304	19424
15°	19563	19082	19294
20°	19438	18942	19123
25°	19203	18801	18954
30°	18948	18579	18596
35°	18643	18227	18398
40°	18247	17863	18129
45°	17697	17442	18009
50°	16952	16963	17867
55°	15769	16491	17200
60°	14220	15801	15901
65°	12198	14520	10078
70°	9825	11335	7306
75°	7366	6729	7415
80°	5128	5595	7080
85°	2919	5127	6637



TEST NUMBER: P830308

CATALOG NUMBER: OHBL-36HE-A-UNV-L735-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1185.9	3.3
10°-20°	3400.6	9.6
20°-30°	5193.7	14.6
30°-40°	6301.8	17.7
40°-50°	6604.9	18.6
50°-60°	5985.0	16.8
60°-70°	4012.7	11.3
70°-80°	1801.9	5.1
80°-90°	653.9	1.8
90°-100°	196.8	0.6
100°-110°	92.9	0.3
110°-120°	46.5	0.1
120°-130°	25.7	0.1
130°-140°	17.7	0.0
140°-150°	11.9	0.0
150°-160°	8.8	0.0
160°-170°	5.7	0.0
170°-180°	1.8	0.0
0°-30°	9780.2	27.5
0°-40°	16082.0	45.2
0°-60°	28671.8	80.7
0°-90°	35140.3	98.9
90°-120°	336.2	0.9
90°-150°	391.4	1.1
90°-180°	408.0	1.1
0°-180°	35548.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12577	12577	12577	12577	12577	
5°	12495	12539	12451	12490	12473	###
15°	12090	12042	11957	12062	12077	3413
25°	11231	11182	11260	11364	11331	5177
35°	9955	9978	10080	10187	10147	6222
45°	8262	8396	8552	8771	8798	6364
55°	6079	6372	6807	7080	7063	5427
65°	3568	4126	4684	3954	3228	3555
75°	1404	2037	1498	1533	1633	1534
85°	242	464	595	718	753	295
90°	2	155	307	386	404	14
95°	2	96	211	256	264	2
105°	7	42	104	126	131	8
115°	14	22	53	67	71	13
125°	13	14	33	38	40	13
135°	16	18	20	29	31	13
145°	16	18	18	20	22	11
155°	18	20	20	20	18	8
165°	20	20	20	20	20	6
175°	20	20	18	16	16	2
180°	18	18	18	18	18	



TEST NUMBER: P830308

CATALOG NUMBER: OHBL-36HE-A-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12576.9	12576.9	12576.9	12576.9	12576.9
2.5°	12526.0	12578.7	12513.3	12584.2	12602.4
5°	12495.1	12538.7	12451.4	12489.6	12473.3
7.5°	12438.7	12453.3	12349.6	12380.5	12347.8
10°	12355.1	12347.8	12225.9	12285.9	12293.2
12.5°	12231.4	12209.6	12100.5	12191.4	12193.2
15°	12089.5	12042.3	11956.8	12062.3	12076.8
17.5°	11925.9	11864.1	11807.7	11944.1	11922.2
20°	11734.9	11662.2	11651.3	11800.4	11745.8
22.5°	11498.5	11442.2	11467.6	11609.5	11574.9
25°	11231.2	11182.1	11260.3	11364.0	11331.2
27.5°	10949.3	10920.2	11009.3	11089.4	11025.7
30°	10640.2	10623.8	10742.0	10807.5	10727.5
32.5°	10303.8	10309.2	10422.0	10511.1	10436.5
35°	9954.6	9978.2	10080.1	10187.4	10147.4
37.5°	9570.9	9623.6	9725.5	9847.3	9805.5
40°	9165.4	9241.7	9354.5	9501.8	9463.6
42.5°	8727.1	8823.5	8969.0	9132.6	9129.0
45°	8261.6	8396.1	8552.5	8770.7	8798.0
47.5°	7777.8	7928.8	8127.0	8417.9	8459.8
50°	7252.3	7441.4	7688.7	8037.9	8063.3
52.5°	6666.7	6924.9	7252.3	7586.9	7556.0
55°	6079.3	6372.1	6806.7	7079.5	7063.1
57.5°	5493.8	5822.9	6350.3	6544.9	6543.0
60°	4839.1	5255.5	5832.0	5979.3	5833.8
62.5°	4233.5	4680.9	5279.2	5171.9	4673.6
65°	3567.9	4126.2	4684.5	3953.5	3227.9
67.5°	2976.9	3558.9	3978.9	2707.8	2318.6
70°	2382.3	3024.2	3102.4	2009.5	1982.2
72.5°	1854.9	2538.7	2140.4	1720.3	1807.6
75°	1403.9	2036.7	1498.5	1533.0	1633.0
77.5°	1023.8	1563.9	1165.7	1343.9	1425.7
80°	703.8	1107.5	951.1	1129.3	1185.7
82.5°	441.9	731.0	762.0	909.3	967.5
85°	241.9	463.7	594.7	718.3	752.9
87.5°	100.0	280.1	454.6	554.6	583.7
90°	1.8	154.6	307.3	385.5	403.7
92.5°	1.8	118.2	251.0	311.0	323.7
95°	1.8	96.4	210.9	256.4	263.7
97.5°	3.6	76.4	176.4	212.8	220.0
100°	5.5	63.6	147.3	178.2	183.7
102.5°	7.3	50.9	123.7	149.1	154.6
105°	7.3	41.8	103.7	125.5	130.9



TEST NUMBER: P830308

CATALOG NUMBER: OHBL-36HE-A-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.7	25.5	61.8	78.2	81.8
115°	14.5	21.8	52.7	67.3	70.9
117.5°	14.5	18.2	45.5	56.4	60.0
120°	14.5	16.4	40.0	49.1	50.9
122.5°	14.5	14.5	34.6	43.6	45.5
125°	12.7	14.5	32.7	38.2	40.0
127.5°	14.5	14.5	29.1	34.6	36.4
130°	14.5	16.4	25.5	32.7	32.7
132.5°	16.4	18.2	23.6	30.9	30.9
135°	16.4	18.2	20.0	29.1	30.9
137.5°	18.2	18.2	18.2	27.3	29.1
140°	18.2	18.2	16.4	23.6	25.5
142.5°	16.4	18.2	16.4	21.8	23.6
145°	16.4	18.2	18.2	20.0	21.8
147.5°	18.2	18.2	18.2	18.2	20.0
150°	18.2	18.2	18.2	18.2	18.2
152.5°	18.2	18.2	18.2	18.2	18.2
155°	18.2	20.0	20.0	20.0	18.2
157.5°	18.2	20.0	20.0	20.0	20.0
160°	18.2	20.0	20.0	20.0	20.0
162.5°	20.0	20.0	20.0	20.0	20.0
165°	20.0	20.0	20.0	20.0	20.0
167.5°	20.0	21.8	20.0	20.0	20.0
170°	20.0	20.0	20.0	18.2	18.2
172.5°	20.0	20.0	20.0	18.2	18.2
175°	20.0	20.0	18.2	16.4	16.4
177.5°	21.8	20.0	18.2	16.4	14.5
180°	18.2	18.2	18.2	18.2	18.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	9.1	34.6	89.1	107.3	110.9
110°	10.9	29.1	74.6	90.9	94.6



(END OF REPORT)