

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: P830336

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-MFL-UNV-L835-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

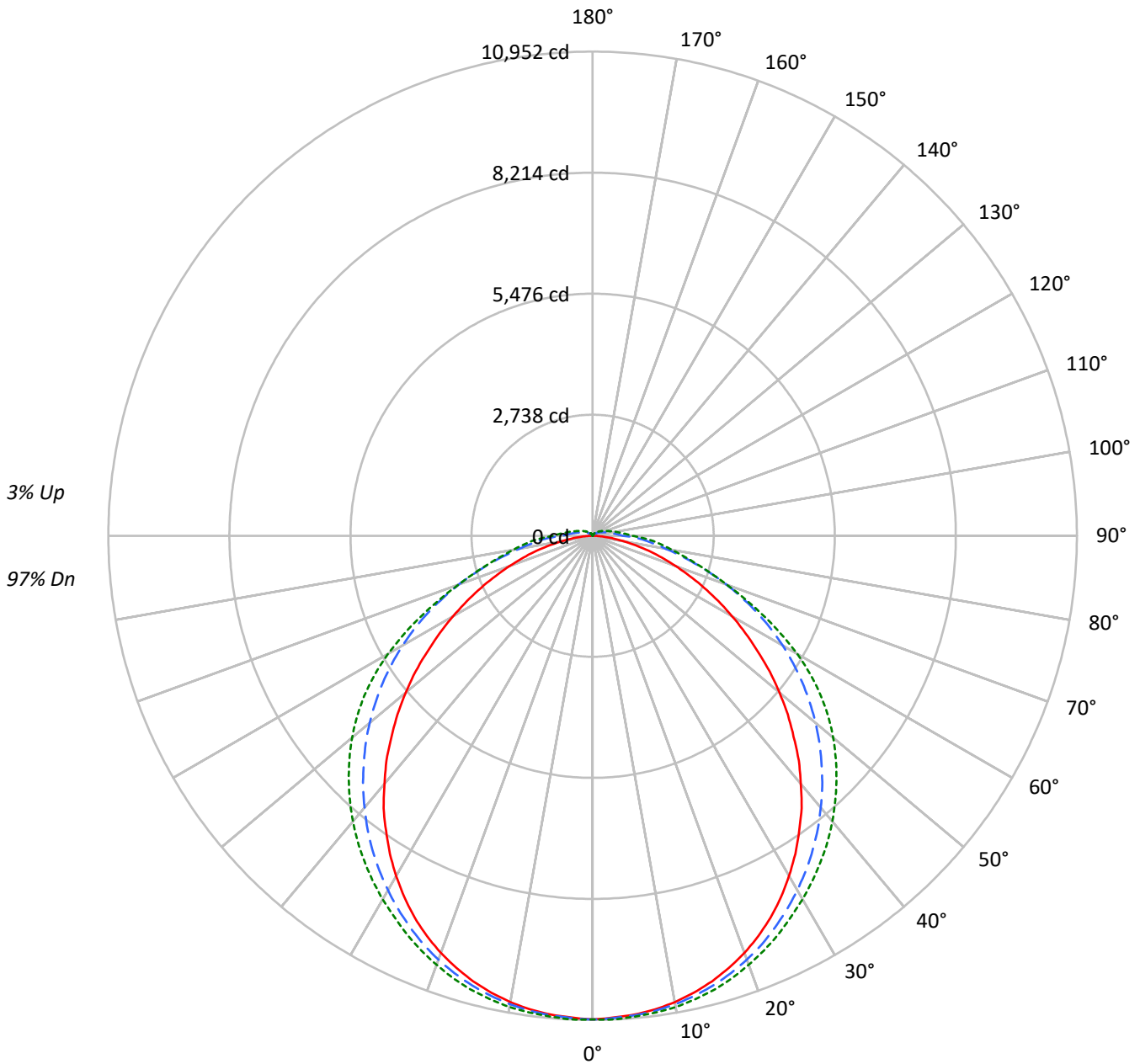
Lumens per Lamp: N/A
Luminaire Lumens: 32746.0 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				20				20
RC	80				70				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	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	86	84	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17304	17304	17304
5°	17193	17140	17192
10°	17072	16989	17102
15°	16882	16808	16984
20°	16629	16587	16811
25°	16290	16311	16636
30°	15822	16011	16460
35°	15256	15693	16308
40°	14575	15325	16158
45°	13772	14925	15967
50°	12894	14521	15735
55°	11815	14026	15344
60°	10710	13444	14561
65°	9503	12699	13276
70°	8195	11750	11884
75°	6870	10654	10944
80°	5209	9861	10857
85°	3295	10249	12132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1036.8	3.2
10°-20°	2974.3	9.1
20°-30°	4498.1	13.7
30°-40°	5400.1	16.5
40°-50°	5577.4	17.0
50°-60°	5017.9	15.3
60°-70°	3779.9	11.5
70°-80°	2282.4	7.0
80°-90°	1116.3	3.4
90°-100°	469.9	1.4
100°-110°	268.2	0.8
110°-120°	157.4	0.5
120°-130°	89.0	0.3
130°-140°	46.9	0.1
140°-150°	22.8	0.1
150°-160°	8.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8509.2	26.0
0°-40°	13909.3	42.5
0°-60°	24504.6	74.8
0°-90°	31683.3	96.8
90°-120°	895.5	2.7
90°-150°	1054.3	3.2
90°-180°	1063.0	3.2
0°-180°	32746.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10942	10942	10942	10942	10942	
5°	10872	10901	10888	10931	10917	###
15°	10433	10484	10532	10620	10631	2941
25°	9528	9632	9769	9921	9945	4382
35°	8146	8336	8679	8941	8995	5092
45°	6429	6753	7318	7717	7800	4964
55°	4555	5026	5789	6226	6301	4084
65°	2780	3347	4097	4300	4252	2761
75°	1309	1880	2372	2434	2410	1397
85°	273	720	1189	1352	1376	316
90°	0	281	680	857	892	17
95°	13	190	509	648	672	11
105°	19	110	295	386	402	19
115°	21	62	182	244	254	22
125°	21	30	110	158	166	19
135°	19	24	56	96	107	15
145°	27	24	27	48	56	16
155°	27	30	27	24	27	8
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10941.5	10941.5	10941.5	10941.5	10941.5
2.5°	10909.3	10936.1	10920.1	10954.9	10952.2
5°	10871.9	10901.3	10887.9	10930.8	10917.4
7.5°	10807.6	10839.7	10837.0	10885.2	10879.9
10°	10713.9	10748.7	10759.4	10823.7	10823.7
12.5°	10585.3	10630.9	10657.6	10735.3	10738.0
15°	10432.7	10483.6	10531.8	10620.1	10630.9
17.5°	10247.9	10312.2	10379.1	10480.9	10494.3
20°	10039.1	10111.4	10202.4	10309.5	10325.6
22.5°	9798.1	9883.8	10001.6	10127.4	10146.2
25°	9527.6	9632.0	9768.6	9921.2	9945.3
27.5°	9219.7	9340.2	9524.9	9696.3	9717.7
30°	8884.9	9026.9	9257.1	9460.7	9495.5
32.5°	8531.5	8694.8	8978.7	9206.3	9254.5
35°	8145.9	8336.0	8678.7	8941.2	8994.7
37.5°	7765.6	7974.5	8362.8	8662.7	8726.9
40°	7321.1	7580.8	8025.4	8357.4	8435.1
42.5°	6903.4	7184.5	7688.0	8049.5	8124.4
45°	6429.4	6753.4	7318.4	7717.4	7800.4
47.5°	5984.9	6335.7	6962.3	7374.7	7460.3
50°	5516.3	5901.9	6582.0	7013.2	7101.5
52.5°	5047.6	5462.7	6188.4	6635.6	6718.6
55°	4554.9	5026.2	5789.4	6225.9	6300.9
57.5°	4097.0	4595.1	5379.7	5794.8	5840.3
60°	3644.5	4161.3	4962.0	5326.1	5342.2
62.5°	3202.6	3746.2	4533.5	4822.7	4801.3
65°	2779.6	3347.2	4097.0	4300.5	4252.3
67.5°	2372.5	2959.0	3649.8	3781.1	3716.8
70°	1986.9	2581.4	3216.0	3283.0	3224.1
72.5°	1646.8	2222.6	2776.9	2833.1	2790.3
75°	1309.4	1879.8	2372.5	2434.1	2410.0
77.5°	993.5	1547.8	2000.3	2080.6	2086.0
80°	715.0	1245.2	1676.3	1802.2	1818.2
82.5°	471.3	966.7	1405.8	1566.5	1590.6
85°	273.1	720.3	1188.9	1352.3	1376.4
87.5°	117.8	519.5	956.0	1103.3	1132.7
90°	0.0	281.2	680.2	856.9	891.7
92.5°	8.0	233.0	583.8	744.4	773.9
95°	13.4	190.1	508.8	648.0	672.1
97.5°	16.1	160.7	441.8	565.0	589.1
100°	16.1	139.2	382.9	495.4	516.8
102.5°	16.1	123.2	334.7	433.8	452.5
105°	18.7	109.8	294.6	385.6	401.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.4	72.3	203.5	273.1	283.8
115°	21.4	61.6	182.1	243.7	254.4
117.5°	24.1	53.6	160.7	219.6	227.6
120°	24.1	45.5	141.9	195.5	206.2
122.5°	24.1	37.5	125.9	176.7	184.8
125°	21.4	29.5	109.8	158.0	166.0
127.5°	18.7	24.1	93.7	141.9	150.0
130°	18.7	21.4	80.3	125.9	133.9
132.5°	18.7	24.1	66.9	109.8	120.5
135°	18.7	24.1	56.2	96.4	107.1
137.5°	18.7	24.1	45.5	83.0	93.7
140°	21.4	24.1	37.5	69.6	80.3
142.5°	24.1	24.1	29.5	58.9	66.9
145°	26.8	24.1	26.8	48.2	56.2
147.5°	26.8	26.8	26.8	37.5	45.5
150°	26.8	29.5	26.8	29.5	37.5
152.5°	26.8	29.5	26.8	24.1	29.5
155°	26.8	29.5	26.8	24.1	26.8
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°	18.7	96.4	259.7	342.8	356.1
110°	18.7	85.7	230.3	305.3	318.7



(END OF REPORT)