

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: P830340

Luminaire Tested: **OHBL-36HE-MFL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830340
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-L935-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

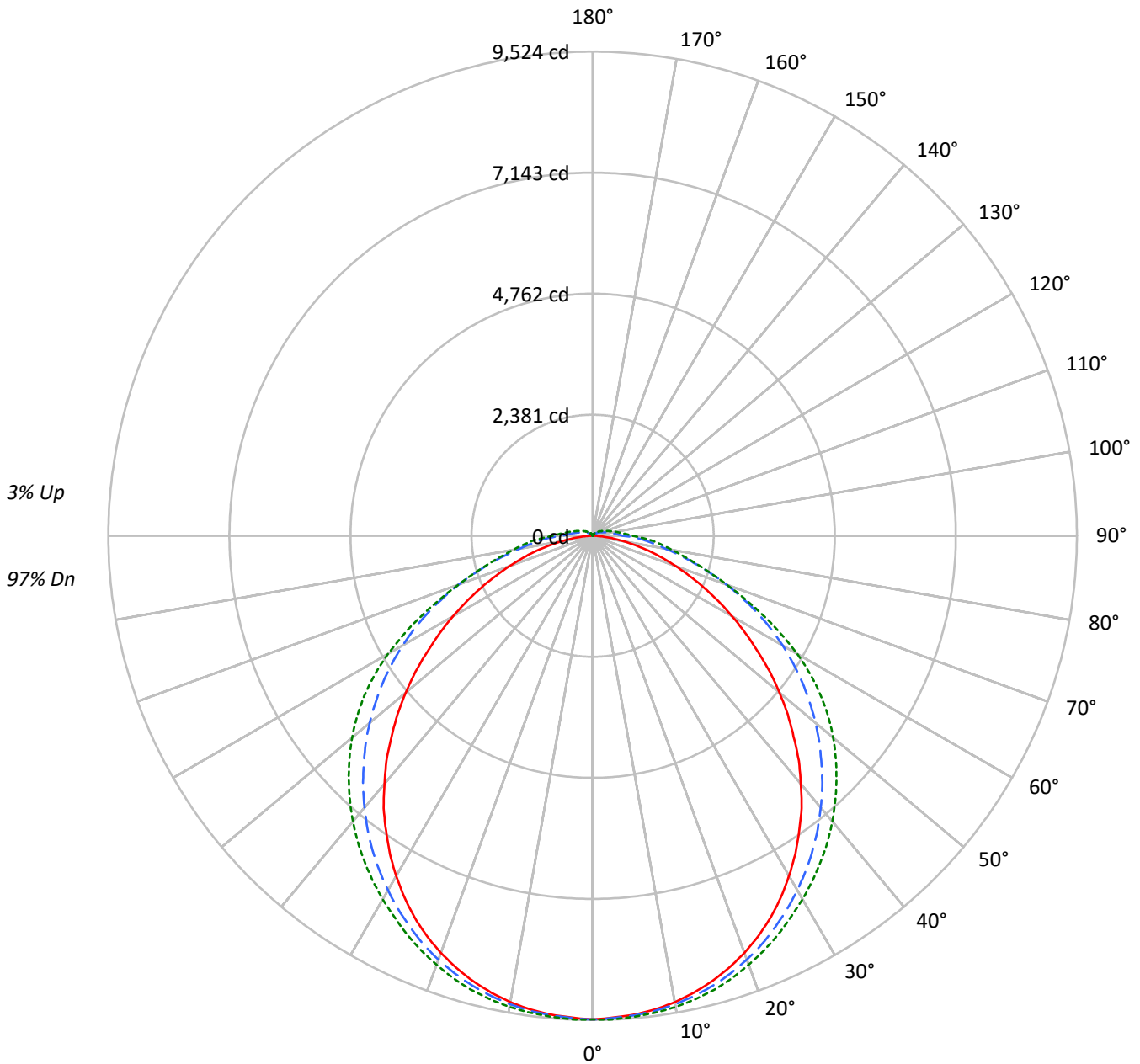
Lumens per Lamp: N/A
Luminaire Lumens: 28475.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				
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°	15047	15047	15047
5°	14951	14904	14950
10°	14846	14773	14871
15°	14680	14616	14769
20°	14460	14423	14618
25°	14166	14183	14466
30°	13759	13923	14313
35°	13266	13646	14181
40°	12674	13326	14051
45°	11976	12979	13885
50°	11213	12627	13683
55°	10274	12197	13342
60°	9313	11690	12662
65°	8263	11043	11544
70°	7126	10218	10334
75°	5975	9264	9516
80°	4530	8575	9441
85°	2866	8913	10550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.5	3.2
10°-20°	2586.4	9.1
20°-30°	3911.5	13.7
30°-40°	4695.7	16.5
40°-50°	4849.9	17.0
50°-60°	4363.4	15.3
60°-70°	3286.9	11.5
70°-80°	1984.7	7.0
80°-90°	970.7	3.4
90°-100°	408.6	1.4
100°-110°	233.2	0.8
110°-120°	136.9	0.5
120°-130°	77.4	0.3
130°-140°	40.8	0.1
140°-150°	19.8	0.1
150°-160°	7.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7399.4	26.0
0°-40°	12095.1	42.5
0°-60°	21308.5	74.8
0°-90°	27550.9	96.8
90°-120°	778.7	2.7
90°-150°	916.8	3.2
90°-180°	924.0	3.2
0°-180°	28475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9514	9514	9514	9514	9514	
5°	9454	9480	9468	9505	9493	898
15°	9072	9116	9158	9235	9244	2558
25°	8285	8376	8494	8627	8648	3811
35°	7083	7249	7547	7775	7822	4428
45°	5591	5873	6364	6711	6783	4316
55°	3961	4371	5034	5414	5479	3551
65°	2417	2911	3563	3740	3698	2401
75°	1139	1635	2063	2117	2096	1215
85°	238	626	1034	1176	1197	274
90°	0	244	591	745	775	15
95°	12	165	442	564	584	10
105°	16	96	256	335	349	16
115°	19	54	158	212	221	19
125°	19	26	96	137	144	17
135°	16	21	49	84	93	13
145°	23	21	23	42	49	14
155°	23	26	23	21	23	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-36HE-MFL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9514.4	9514.4	9514.4	9514.4	9514.4
2.5°	9486.5	9509.7	9495.8	9526.0	9523.7
5°	9453.9	9479.5	9467.8	9505.1	9493.4
7.5°	9398.0	9425.9	9423.6	9465.5	9460.8
10°	9316.5	9346.7	9356.1	9411.9	9411.9
12.5°	9204.7	9244.3	9267.6	9335.1	9337.4
15°	9072.0	9116.2	9158.1	9235.0	9244.3
17.5°	8911.3	8967.2	9025.4	9113.9	9125.5
20°	8729.7	8792.6	8871.7	8964.9	8978.8
22.5°	8520.1	8594.6	8697.1	8806.5	8822.8
25°	8284.9	8375.7	8494.5	8627.2	8648.2
27.5°	8017.2	8121.9	8282.6	8431.6	8450.3
30°	7726.1	7849.5	8049.8	8226.7	8257.0
32.5°	7418.7	7560.8	7807.6	8005.5	8047.4
35°	7083.4	7248.7	7546.8	7775.0	7821.6
37.5°	6752.8	6934.4	7272.0	7532.8	7588.7
40°	6366.2	6592.1	6978.6	7267.4	7334.9
42.5°	6003.0	6247.5	6685.2	6999.6	7064.8
45°	5590.8	5872.6	6363.9	6710.8	6783.0
47.5°	5204.3	5509.3	6054.2	6412.8	6487.3
50°	4796.8	5132.1	5723.5	6098.4	6175.3
52.5°	4389.3	4750.2	5381.2	5770.1	5842.3
55°	3960.8	4370.7	5034.3	5413.8	5479.0
57.5°	3562.7	3995.8	4678.0	5039.0	5078.5
60°	3169.1	3618.5	4314.8	4631.5	4645.4
62.5°	2784.9	3257.6	3942.2	4193.7	4175.1
65°	2417.0	2910.7	3562.7	3739.6	3697.7
67.5°	2063.1	2573.0	3173.8	3287.9	3232.0
70°	1727.8	2244.7	2796.6	2854.8	2803.6
72.5°	1432.1	1932.7	2414.7	2463.6	2426.3
75°	1138.7	1634.6	2063.1	2116.6	2095.7
77.5°	863.9	1345.9	1739.4	1809.3	1813.9
80°	621.7	1082.8	1457.7	1567.1	1581.1
82.5°	409.8	840.6	1222.5	1362.2	1383.2
85°	237.5	626.4	1033.9	1175.9	1196.9
87.5°	102.5	451.7	831.3	959.4	985.0
90°	0.0	244.5	591.4	745.1	775.4
92.5°	7.0	202.6	507.6	647.3	672.9
95°	11.6	165.3	442.4	563.5	584.5
97.5°	14.0	139.7	384.2	491.3	512.3
100°	14.0	121.1	333.0	430.8	449.4
102.5°	14.0	107.1	291.1	377.2	393.5
105°	16.3	95.5	256.1	335.3	349.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.6	62.9	177.0	237.5	246.8
115°	18.6	53.6	158.3	211.9	221.2
117.5°	21.0	46.6	139.7	190.9	197.9
120°	21.0	39.6	123.4	170.0	179.3
122.5°	21.0	32.6	109.4	153.7	160.7
125°	18.6	25.6	95.5	137.4	144.4
127.5°	16.3	21.0	81.5	123.4	130.4
130°	16.3	18.6	69.9	109.4	116.4
132.5°	16.3	21.0	58.2	95.5	104.8
135°	16.3	21.0	48.9	83.8	93.1
137.5°	16.3	21.0	39.6	72.2	81.5
140°	18.6	21.0	32.6	60.5	69.9
142.5°	21.0	21.0	25.6	51.2	58.2
145°	23.3	21.0	23.3	41.9	48.9
147.5°	23.3	23.3	23.3	32.6	39.6
150°	23.3	25.6	23.3	25.6	32.6
152.5°	23.3	25.6	23.3	21.0	25.6
155°	23.3	25.6	23.3	21.0	23.3
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°	16.3	83.8	225.9	298.1	309.7
110°	16.3	74.5	200.3	265.5	277.1



(END OF REPORT)