

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: P827797

Luminaire Tested: **OHBL-36HE-W-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827797
REPORT IS A COMBINATION OF REPORTS P826172 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-W-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

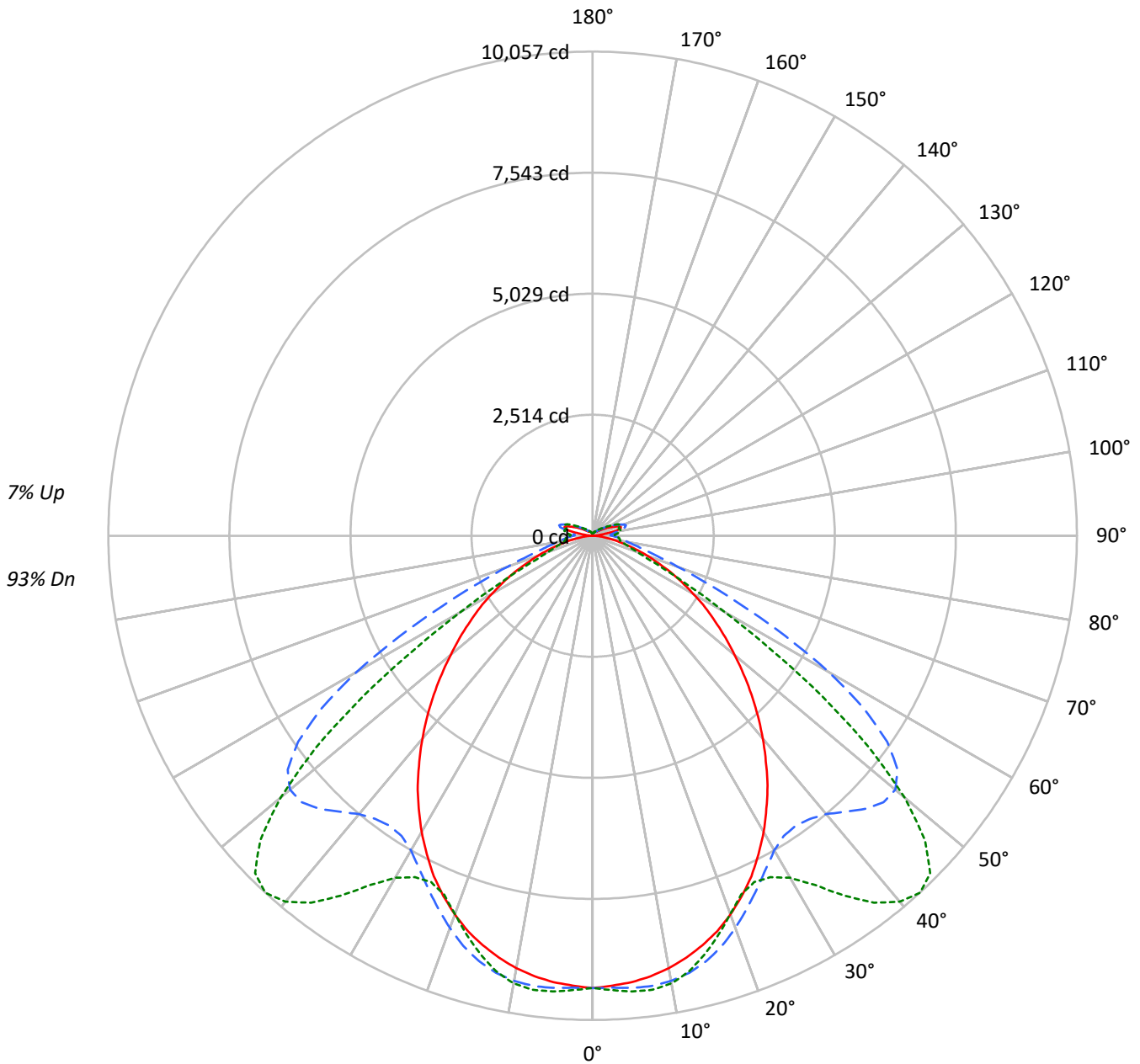
Lumens per Lamp: N/A
Luminaire Lumens: 29574.4 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 224.3
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14857	14857	14857
5°	14656	14843	15026
10°	14411	14826	15044
15°	14069	14588	14562
20°	13625	14093	13848
25°	13052	13492	13571
30°	12314	13048	14603
35°	11483	13296	17088
40°	10533	14409	19755
45°	9546	16356	21234
50°	8524	18100	19761
55°	7561	18095	15099
60°	6585	15326	9231
65°	5562	10598	5592
70°	4423	6864	4037
75°	3258	4933	3743
80°	2215	4352	4224
85°	1340	4823	6676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.7	3.0
10°-20°	2542.0	8.6
20°-30°	3719.9	12.6
30°-40°	4831.0	16.3
40°-50°	5899.3	19.9
50°-60°	5195.2	17.6
60°-70°	2707.3	9.2
70°-80°	1161.0	3.9
80°-90°	561.2	1.9
90°-100°	400.4	1.4
100°-110°	643.5	2.2
110°-120°	509.2	1.7
120°-130°	250.6	0.8
130°-140°	125.3	0.4
140°-150°	70.2	0.2
150°-160°	38.0	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	7159.6	24.2
0°-40°	11990.6	40.5
0°-60°	23085.1	78.1
0°-90°	27514.6	93.0
90°-120°	1553.0	5.3
90°-150°	1999.2	6.8
90°-180°	2060.0	7.0
0°-180°	29574.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9394	9394	9394	9394	9394	
5°	9307	9378	9429	9512	9502	883
15°	8806	9054	9141	9072	8999	2480
25°	7803	8221	8081	7929	7937	3581
35°	6334	7002	7353	8575	9124	3948
45°	4664	5868	8020	9710	9913	3596
55°	3105	5140	7469	6548	5821	2787
65°	1782	3561	3419	1901	1636	1763
75°	718	1666	1098	752	713	782
85°	152	594	559	547	553	169
90°	5	235	396	458	472	13
95°	35	192	398	480	509	100
105°	607	664	696	586	562	577
115°	427	460	536	558	561	431
125°	216	232	286	306	306	202
135°	132	134	158	182	185	104
145°	104	101	106	118	122	65
155°	86	87	84	85	85	38
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9394.1	9394.1	9394.1	9394.1	9394.1
2.5°	9353.5	9394.1	9396.1	9452.9	9446.8
5°	9306.9	9377.9	9428.6	9511.7	9501.6
7.5°	9230.0	9341.4	9430.6	9521.8	9513.7
10°	9120.5	9272.5	9390.0	9465.0	9440.7
12.5°	8978.6	9179.3	9294.8	9311.0	9264.4
15°	8806.3	9053.6	9140.7	9071.8	8998.9
17.5°	8611.7	8901.6	8932.0	8782.0	8690.8
20°	8368.5	8698.9	8668.5	8461.8	8360.4
22.5°	8099.0	8475.9	8378.7	8161.8	8064.5
25°	7803.1	8220.6	8080.7	7928.7	7936.9
27.5°	7456.5	7930.8	7795.0	7863.9	7993.6
30°	7103.9	7626.8	7543.7	7944.9	8200.3
32.5°	6716.8	7314.6	7389.6	8182.1	8599.6
35°	6333.7	7002.5	7353.2	8575.3	9124.5
37.5°	5910.0	6686.3	7411.9	9029.2	9604.9
40°	5498.6	6378.2	7545.7	9436.6	9923.1
42.5°	5079.1	6102.6	7770.7	9677.9	10056.9
45°	4663.6	5867.5	8020.0	9710.3	9912.9
47.5°	4248.1	5668.9	8192.2	9452.9	9359.6
50°	3846.8	5492.5	8204.3	8834.7	8453.7
52.5°	3471.9	5330.4	7981.4	7849.7	7257.9
55°	3105.1	5139.9	7468.7	6548.5	5820.9
57.5°	2770.6	4876.4	6678.2	5150.1	4355.5
60°	2415.9	4519.7	5656.7	3767.8	3141.5
62.5°	2089.6	4075.9	4511.6	2622.6	2257.8
65°	1781.6	3561.0	3419.2	1901.1	1635.6
67.5°	1455.2	3028.0	2523.3	1386.3	1216.1
70°	1199.9	2533.5	1878.8	1078.2	978.9
72.5°	938.4	2063.3	1404.6	875.6	820.9
75°	717.5	1666.0	1098.5	751.9	713.4
77.5°	529.0	1317.4	883.7	664.8	628.3
80°	370.9	1037.7	739.8	593.9	579.7
82.5°	249.3	802.6	630.3	565.5	567.5
85°	152.0	593.9	559.4	547.2	553.3
87.5°	73.0	421.5	480.3	498.6	504.6
90°	5.3	235.1	396.3	457.9	472.1
92.5°	10.5	190.8	368.8	438.4	455.0
95°	34.8	192.0	398.2	479.5	509.1
97.5°	161.7	275.6	455.9	544.1	563.2
100°	331.0	430.3	521.3	585.6	596.6
102.5°	514.5	586.7	577.8	586.8	586.0
105°	607.1	664.3	696.5	585.5	562.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	498.7	538.5	613.9	629.4	613.2
115°	426.8	460.0	536.2	557.8	561.0
117.5°	367.5	392.1	460.7	483.4	486.2
120°	309.3	331.1	393.1	415.0	415.4
122.5°	260.8	278.1	336.9	356.8	357.2
125°	216.3	232.1	286.3	305.8	306.2
127.5°	183.5	192.9	244.7	264.2	264.6
130°	160.9	166.5	207.9	228.9	233.9
132.5°	145.5	147.9	181.1	202.2	207.9
135°	131.8	134.2	158.5	182.4	185.3
137.5°	121.2	123.7	141.1	163.0	167.9
140°	112.4	114.8	125.4	147.2	150.1
142.5°	107.2	107.5	116.1	133.1	135.9
145°	103.5	101.0	105.6	118.5	122.5
147.5°	97.9	97.5	99.1	108.8	110.8
150°	93.0	94.7	92.2	97.1	101.9
152.5°	89.8	90.6	88.1	88.9	93.0
155°	85.8	87.4	84.1	84.9	84.9
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	614.7	667.4	728.0	637.9	571.7
110°	563.8	614.9	685.9	669.9	618.1



(END OF REPORT)