

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: P828034

Luminaire Tested: **OHBL-24HE-MFL-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828034
REPORT IS A COMBINATION OF REPORTS P826241 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24HE-MFL-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

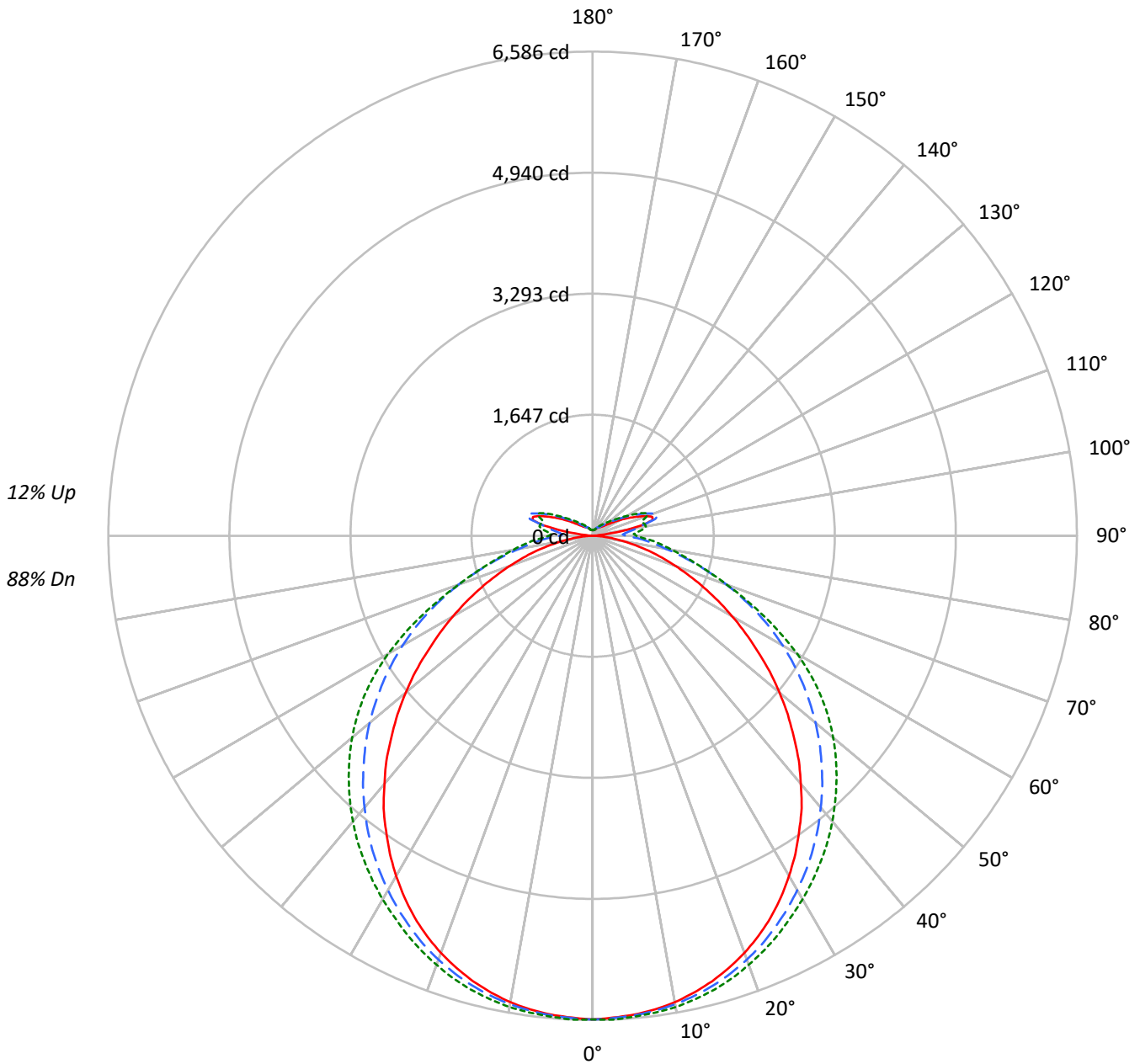
Lumens per Lamp: N/A
Luminaire Lumens: 21709.4 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 150.4
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88			88
1	105	100	96	92	101	97	93	89	91	87	84	85	82	80	79	77	75	72			72
2	96	87	81	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60			60
3	87	77	69	62	84	74	67	61	69	63	58	65	60	56	61	57	53	50			50
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	50	46	43			43
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	40	37			37
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32			32
7	63	49	41	35	60	48	40	34	45	38	33	43	37	32	40	35	31	29			29
8	58	45	37	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26			26
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23			23
10	51	38	30	25	49	37	30	25	35	29	24	33	27	23	32	26	23	21			21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10406	10406	10406
5°	10296	10307	10383
10°	10180	10217	10372
15°	10023	10108	10345
20°	9829	9975	10285
25°	9584	9809	10226
30°	9262	9629	10169
35°	8882	9438	10130
40°	8434	9216	10099
45°	7914	8976	10048
50°	7350	8733	9983
55°	6670	8435	9829
60°	5974	8085	9441
65°	5219	7637	8743
70°	4404	7066	7996
75°	3576	6407	7605
80°	2568	5930	7966
85°	1447	6164	9988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.5	2.9
10°-20°	1788.7	8.2
20°-30°	2705.1	12.5
30°-40°	3247.4	15.0
40°-50°	3354.1	15.4
50°-60°	3017.6	13.9
60°-70°	2273.1	10.5
70°-80°	1372.6	6.3
80°-90°	676.4	3.1
90°-100°	475.8	2.2
100°-110°	832.1	3.8
110°-120°	670.1	3.1
120°-130°	329.6	1.5
130°-140°	166.3	0.8
140°-150°	93.8	0.4
150°-160°	51.8	0.2
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	5117.2	23.6
0°-40°	8364.7	38.5
0°-60°	14736.4	67.9
0°-90°	19058.5	87.8
90°-120°	1977.9	9.1
90°-150°	2567.6	11.8
90°-180°	2651.0	12.2
0°-180°	21709.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6580	6580	6580	6580	6580	
5°	6538	6556	6548	6573	6565	621
15°	6274	6304	6334	6387	6393	1769
25°	5730	5792	5875	5966	5981	2635
35°	4899	5013	5219	5377	5409	3062
45°	3866	4061	4401	4641	4691	2985
55°	2739	3023	3482	3744	3789	2456
65°	1672	2013	2464	2586	2557	1661
75°	788	1130	1427	1464	1449	840
85°	164	433	715	813	828	190
90°	4	197	448	567	594	13
95°	52	207	449	580	619	144
105°	847	893	880	733	702	804
115°	590	620	692	727	729	595
125°	295	314	368	397	399	276
135°	178	184	210	236	244	141
145°	137	139	143	156	162	86
155°	113	116	116	115	117	50
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6579.9	6579.9	6579.9	6579.9	6579.9
2.5°	6560.6	6576.7	6567.0	6587.9	6586.3
5°	6538.0	6555.8	6547.7	6573.4	6565.4
7.5°	6499.3	6518.7	6517.1	6546.1	6542.8
10°	6443.0	6463.9	6470.4	6509.0	6509.0
12.5°	6365.8	6393.1	6409.2	6455.9	6457.5
15°	6273.9	6304.5	6333.5	6386.7	6393.1
17.5°	6162.8	6201.5	6241.8	6302.9	6311.0
20°	6037.2	6080.7	6135.4	6199.8	6209.5
22.5°	5892.2	5943.8	6014.7	6090.3	6101.6
25°	5729.7	5792.4	5874.6	5966.3	5980.8
27.5°	5544.4	5616.9	5728.0	5831.1	5844.0
30°	5343.2	5428.5	5567.0	5689.3	5710.3
32.5°	5130.6	5228.8	5399.5	5536.4	5565.3
35°	4898.7	5013.0	5219.2	5377.0	5409.2
37.5°	4670.0	4795.6	5029.1	5209.5	5248.2
40°	4402.7	4558.9	4826.2	5025.9	5072.6
42.5°	4151.5	4320.6	4623.3	4840.8	4885.8
45°	3866.4	4061.3	4401.1	4641.0	4690.9
47.5°	3599.2	3810.1	4186.9	4434.9	4486.4
50°	3317.3	3549.3	3958.2	4217.5	4270.7
52.5°	3035.5	3285.1	3721.5	3990.4	4040.3
55°	2739.2	3022.7	3481.6	3744.1	3789.2
57.5°	2463.8	2763.3	3235.2	3484.8	3512.2
60°	2191.7	2502.5	2984.0	3203.0	3212.7
62.5°	1926.0	2252.9	2726.3	2900.3	2887.3
65°	1671.6	2012.9	2463.8	2586.2	2557.2
67.5°	1426.8	1779.4	2194.9	2273.8	2235.2
70°	1194.9	1552.4	1934.0	1974.2	1938.8
72.5°	990.3	1336.6	1669.9	1703.8	1678.0
75°	787.5	1130.5	1426.8	1463.8	1449.3
77.5°	597.4	930.8	1202.9	1251.2	1254.5
80°	430.0	748.8	1008.1	1083.8	1093.4
82.5°	283.4	581.3	845.4	942.1	956.6
85°	164.2	433.2	715.0	813.2	827.8
87.5°	70.8	312.4	574.9	663.5	681.2
90°	4.2	197.4	448.2	567.0	593.8
92.5°	19.0	177.6	411.1	532.7	561.2
95°	52.3	206.8	449.3	579.7	619.2
97.5°	233.8	339.1	526.5	655.6	697.6
100°	469.7	572.1	624.4	714.6	735.0
102.5°	720.5	780.8	716.3	722.6	727.2
105°	847.1	892.7	880.5	732.8	701.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	686.2	726.8	792.4	815.1	794.8
115°	589.6	619.5	692.0	727.4	728.8
117.5°	507.8	526.3	594.1	628.8	634.4
120°	422.8	444.9	510.3	538.4	539.8
122.5°	357.0	375.1	433.2	462.1	461.9
125°	294.6	314.4	368.5	396.7	399.0
127.5°	249.6	263.7	313.8	343.7	347.7
130°	218.8	227.1	270.8	299.0	304.7
132.5°	195.4	204.5	236.1	265.2	270.8
135°	177.9	184.5	209.7	235.5	243.6
137.5°	163.8	169.5	187.4	212.4	218.8
140°	152.9	157.8	170.1	191.0	198.3
142.5°	143.7	147.0	153.6	172.9	177.8
145°	136.9	138.7	142.8	156.5	162.2
147.5°	129.4	132.8	134.4	142.6	147.4
150°	123.6	126.9	127.8	130.3	135.9
152.5°	117.8	121.1	121.9	121.2	124.4
155°	112.8	116.1	116.1	115.3	116.9
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	850.4	900.5	933.7	813.6	720.0
110°	785.4	833.2	882.7	863.6	790.0



(END OF REPORT)