

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: P828068

Luminaire Tested: **OHBL-30HE-MFL-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828068
REPORT IS A COMBINATION OF REPORTS P826277 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-MFL-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

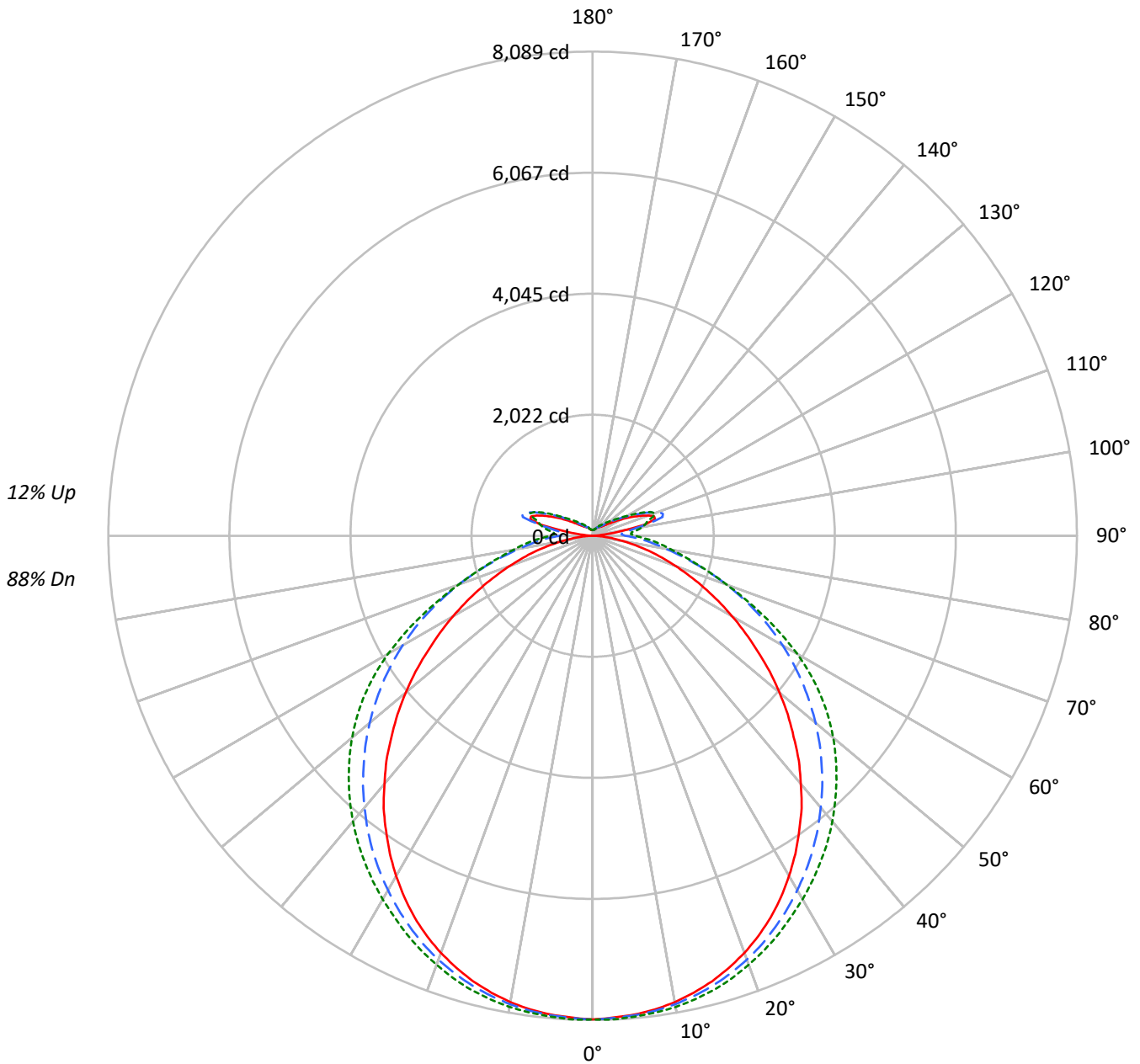
Lumens per Lamp: N/A
Luminaire Lumens: 26737.5 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 187
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	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	90	87	84	84	82	79	79	77	75	72				72
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60				60
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50				50
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	49	45	43				43
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	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	36	32	40	35	31	29				29
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25				25
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	28	24	33	27	23	32	26	23	21				21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12780	12780	12780
5°	12645	12659	12751
10°	12503	12547	12738
15°	12310	12414	12705
20°	12071	12251	12632
25°	11771	12047	12559
30°	11375	11825	12489
35°	10908	11590	12441
40°	10358	11319	12402
45°	9720	11023	12341
50°	9027	10725	12260
55°	8192	10359	12071
60°	7337	9929	11594
65°	6409	9379	10737
70°	5409	8678	9821
75°	4391	7868	9339
80°	3153	7283	9783
85°	1779	7570	12266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.7	2.9
10°-20°	2196.7	8.2
20°-30°	3322.2	12.4
30°-40°	3988.3	14.9
40°-50°	4119.3	15.4
50°-60°	3706.0	13.9
60°-70°	2791.7	10.4
70°-80°	1685.7	6.3
80°-90°	829.9	3.1
90°-100°	544.3	2.0
100°-110°	1090.0	4.1
110°-120°	850.6	3.2
120°-130°	412.3	1.5
130°-140°	209.3	0.8
140°-150°	119.0	0.4
150°-160°	66.1	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	6284.6	23.5
0°-40°	10272.9	38.4
0°-60°	18098.2	67.7
0°-90°	23405.5	87.5
90°-120°	2484.8	9.3
90°-150°	3225.3	12.1
90°-180°	3332.0	12.5
0°-180°	26737.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8081	8081	8081	8081	8081	
5°	8030	8051	8041	8073	8063	763
15°	7705	7743	7778	7844	7852	2172
25°	7037	7114	7215	7328	7345	3237
35°	6016	6157	6410	6604	6643	3761
45°	4748	4988	5405	5700	5761	3666
55°	3364	3712	4276	4598	4654	3016
65°	2053	2472	3026	3176	3141	2040
75°	967	1388	1752	1798	1780	1032
85°	202	532	878	999	1017	233
90°	6	242	547	684	709	17
95°	57	236	492	626	655	180
105°	1078	1154	1208	1028	951	1019
115°	751	780	869	918	910	753
125°	378	394	464	489	490	352
135°	226	234	263	297	305	179
145°	175	175	181	199	205	110
155°	144	148	148	148	150	64
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8081.0	8081.0	8081.0	<i>8081.0</i>	8081.0
2.5°	<i>8057.3</i>	<i>8077.0</i>	<i>8065.2</i>	<i>8090.8</i>	<i>8088.9</i>
5°	8029.6	8051.3	8041.4	<i>8073.1</i>	8063.2
7.5°	7982.1	8005.8	8003.8	<i>8039.4</i>	8035.5
10°	7912.8	7938.6	7946.5	<i>7993.9</i>	7993.9
12.5°	7817.9	7851.6	7871.3	<i>7928.7</i>	7930.7
15°	7705.2	7742.8	7778.4	<i>7843.7</i>	7851.6
17.5°	7568.8	7616.2	7665.7	<i>7740.8</i>	7750.7
20°	7414.5	7467.9	7535.2	<i>7614.3</i>	7626.1
22.5°	7236.5	7299.8	7386.8	<i>7479.8</i>	7493.6
25°	7036.8	7113.8	7214.8	<i>7327.5</i>	7345.2
27.5°	6809.3	6898.3	7034.8	<i>7161.3</i>	7177.2
30°	6562.1	6666.9	6837.0	<i>6987.3</i>	7013.0
32.5°	6301.0	6421.7	6631.3	<i>6799.4</i>	6835.0
35°	6016.2	6156.7	6409.8	<i>6603.6</i>	6643.2
37.5°	5735.4	5889.7	6176.4	<i>6397.9</i>	6445.4
40°	5407.1	5598.9	5927.2	<i>6172.5</i>	6229.8
42.5°	5098.6	5306.2	5678.1	<i>5945.0</i>	6000.4
45°	4748.5	4987.8	5405.1	<i>5699.8</i>	5761.1
47.5°	4420.2	4679.3	5142.1	<i>5446.7</i>	5509.9
50°	4074.1	4358.9	4861.2	<i>5179.7</i>	5244.9
52.5°	3728.0	4034.6	4570.5	<i>4900.8</i>	4962.1
55°	3364.1	3712.2	4275.8	<i>4598.2</i>	4653.6
57.5°	3025.9	3393.8	3973.2	<i>4279.8</i>	4313.4
60°	2691.7	3073.4	3664.8	<i>3933.7</i>	3945.6
62.5°	2365.3	2766.8	3348.2	<i>3561.9</i>	3546.1
65°	2052.9	2472.2	3025.9	<i>3176.2</i>	3140.6
67.5°	1752.2	2185.4	2695.7	<i>2792.6</i>	2745.1
70°	1467.5	1906.5	2375.3	<i>2424.7</i>	2381.2
72.5°	1216.3	1641.5	2050.9	<i>2092.4</i>	2060.8
75°	967.1	1388.3	1752.2	<i>1797.8</i>	1779.9
77.5°	733.8	1143.1	1477.3	<i>1536.7</i>	1540.7
80°	528.1	919.7	1238.1	<i>1331.0</i>	1342.8
82.5°	348.1	713.9	1038.3	<i>1157.0</i>	1174.8
85°	201.8	532.0	878.1	<i>998.8</i>	1016.6
87.5°	87.0	383.7	706.1	<i>814.8</i>	836.6
90°	5.8	241.8	547.3	<i>683.7</i>	709.4
92.5°	23.4	214.6	486.2	<i>617.3</i>	640.8
95°	57.4	236.2	492.4	<i>626.1</i>	654.8
97.5°	301.8	407.0	576.3	<i>708.2</i>	758.4
100°	584.3	707.8	733.7	<i>824.2</i>	844.2
102.5°	915.2	1011.0	965.6	<i>915.4</i>	904.2
105°	1078.0	1153.6	1207.6	<i>1028.2</i>	950.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	869.2	913.4	1011.2	1051.8	1039.7
115°	750.8	780.5	868.7	917.5	910.4
117.5°	637.8	663.8	744.5	781.3	780.6
120°	539.5	562.8	632.3	666.8	668.1
122.5°	453.7	476.0	545.4	573.8	572.3
125°	377.5	394.3	463.6	489.2	490.1
127.5°	320.5	332.0	390.9	425.7	427.4
130°	278.0	286.7	338.5	373.8	378.9
132.5°	248.8	258.7	296.1	330.2	337.3
135°	226.3	234.5	263.2	297.0	304.9
137.5°	206.3	216.2	236.1	267.2	275.1
140°	194.2	200.3	214.3	239.8	248.5
142.5°	183.7	187.0	195.1	218.5	225.3
145°	174.8	175.3	181.4	198.9	204.8
147.5°	164.8	168.1	171.4	181.0	186.9
150°	157.2	161.8	163.1	165.9	172.7
152.5°	150.6	154.2	154.8	154.5	158.4
155°	143.9	148.4	148.1	147.8	149.8
157.5°	119.2	120.8	122.5	123.3	124.2
160°	115.0	115.8	117.5	118.3	119.2
162.5°	110.0	111.7	112.5	113.3	114.2
165°	106.7	107.5	108.3	110.0	110.0
167.5°	103.3	104.2	105.0	105.8	105.8
170°	100.8	101.7	102.5	102.5	102.5
172.5°	98.3	99.2	100.0	100.0	100.0
175°	96.7	97.5	97.5	98.3	98.3
177.5°	95.8	96.7	96.7	96.7	97.5
180°	95.8	95.8	95.8	95.8	95.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1077.2	1149.5	1231.0	1163.2	1056.3
110°	988.8	1055.8	1141.8	1154.7	1106.2



(END OF REPORT)