

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: P826540

Luminaire Tested: **OHBL-24HE-NL-UNV-L830-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826540
REPORT IS A COMBINATION OF REPORTS P826243 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-NL-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

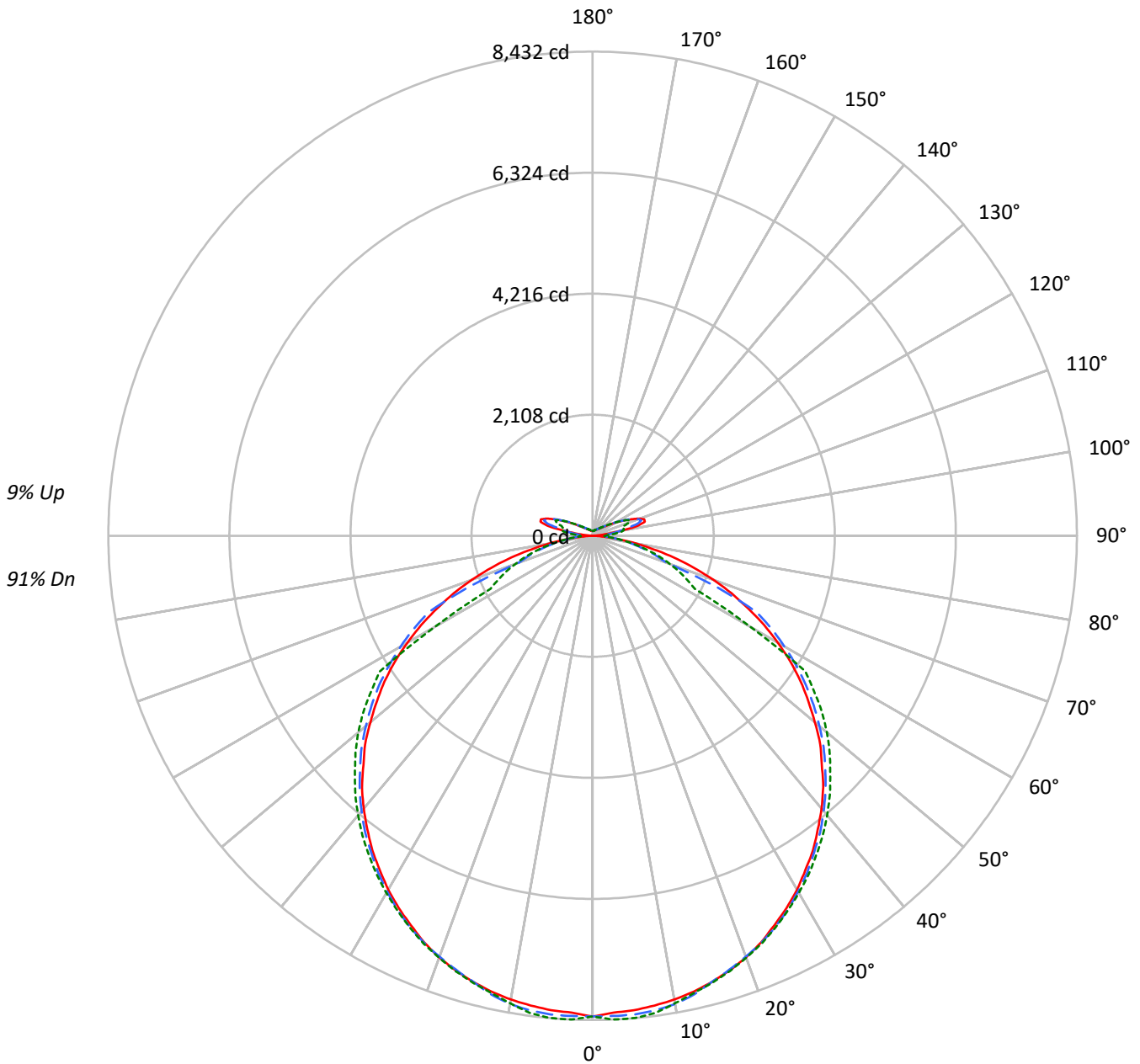
Lumens per Lamp: N/A
Luminaire Lumens: 25754.3 lumens
Efficiency: N/A
Efficacy: 171.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

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									
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	113	113	113	113	106	106	106	100	100	100	94	94	94	91																			
1	107	103	99	95	104	99	96	93	94	91	88	88	86	84	83	81	80	77																			
2	98	90	83	78	94	87	81	76	82	77	73	78	74	70	73	70	67	65																			
3	89	79	71	65	86	77	70	64	72	66	61	69	63	59	65	61	57	55																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	63	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	50	43	39	47	42	38	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	42	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13238	13238	13238
5°	13101	13217	13353
10°	13041	13159	13216
15°	12973	12963	13100
20°	12888	12857	13035
25°	12729	12780	12975
30°	12594	12642	12919
35°	12430	12478	12869
40°	12232	12324	12830
45°	11954	12106	12751
50°	11656	11861	12700
55°	11294	11550	12484
60°	10747	11086	9644
65°	9960	10491	6424
70°	8945	5401	6142
75°	7449	4892	5727
80°	5258	4108	5014
85°	2134	3317	4339



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.3	3.1
10°-20°	2277.1	8.8
20°-30°	3464.7	13.5
30°-40°	4212.6	16.4
40°-50°	4429.4	17.2
50°-60°	4044.6	15.7
60°-70°	2592.8	10.1
70°-80°	1224.8	4.8
80°-90°	345.4	1.3
90°-100°	305.7	1.2
100°-110°	773.6	3.0
110°-120°	649.3	2.5
120°-130°	308.2	1.2
130°-140°	154.2	0.6
140°-150°	89.4	0.3
150°-160°	52.1	0.2
160°-170°	27.0	0.1
170°-180°	8.2	0.0
0°-30°	6537.0	25.4
0°-40°	10749.6	41.7
0°-60°	19223.6	74.6
0°-90°	23386.5	90.8
90°-120°	1728.7	6.7
90°-150°	2280.5	8.9
90°-180°	2368.0	9.2
0°-180°	25754.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8371	8371	8371	8371	8371	
5°	8293	8325	8368	8413	8431	789
15°	8042	8102	8040	8052	8058	2270
25°	7484	7495	7522	7534	7528	3453
35°	6689	6649	6726	6808	6789	4180
45°	5642	5631	5727	5862	5852	4361
55°	4421	4387	4536	4687	4699	3943
65°	2979	2979	3152	1808	1814	2953
75°	1472	1500	974	1025	1030	1551
85°	192	244	304	329	311	284
90°	5	114	179	218	222	12
95°	54	146	257	343	371	156
105°	941	939	809	583	536	893
115°	651	661	665	659	644	655
125°	314	331	338	337	334	295
135°	186	190	196	198	200	147
145°	135	139	141	142	143	86
155°	108	110	112	113	113	51
165°	93	94	95	95	95	27
175°	84	85	85	86	86	8
180°	84	84	84	84	84	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8370.8	8370.8	8370.8	8370.8	8370.8
2.5°	8312.1	8340.0	8370.8	8410.5	8432.4
5°	8292.9	8325.3	8367.9	8413.4	8431.0
7.5°	8251.9	8297.3	8338.5	8370.8	8381.1
10°	8200.4	8254.9	8278.3	8275.3	8268.1
12.5°	8131.4	8188.7	8181.4	8147.6	8153.4
15°	8041.8	8102.0	8040.4	8052.1	8058.0
17.5°	7936.1	7994.9	7922.8	7946.3	7947.9
20°	7812.8	7856.8	7800.9	7820.0	7820.0
22.5°	7664.3	7695.1	7671.7	7684.9	7687.9
25°	7483.7	7495.3	7521.8	7533.6	7527.6
27.5°	7310.4	7295.6	7347.1	7374.9	7360.2
30°	7117.9	7094.5	7154.6	7200.2	7182.6
32.5°	6897.6	6882.9	6952.0	7006.2	6996.0
35°	6689.0	6649.4	6725.7	6807.9	6788.9
37.5°	6442.2	6418.8	6505.3	6592.1	6581.9
40°	6201.3	6161.7	6260.1	6363.0	6352.6
42.5°	5942.9	5895.8	6003.1	6126.6	6114.8
45°	5641.7	5631.4	5726.9	5862.0	5851.8
47.5°	5374.5	5323.1	5456.6	5587.4	5599.2
50°	5051.2	5032.3	5154.2	5312.8	5324.5
52.5°	4735.5	4722.3	4850.0	5010.2	5030.7
55°	4421.1	4387.4	4535.7	4687.0	4698.8
57.5°	4084.9	4049.6	4200.9	4365.4	4390.3
60°	3724.9	3691.1	3857.1	4010.0	3188.8
62.5°	3365.1	3341.5	3515.0	2489.7	2006.6
65°	2978.8	2978.8	3152.0	1808.1	1814.0
67.5°	2617.5	2594.0	2350.2	1624.5	1624.5
70°	2229.7	2238.5	1354.1	1423.4	1424.8
72.5°	1840.5	1872.7	1169.2	1225.0	1227.9
75°	1471.8	1499.7	973.8	1025.3	1029.7
77.5°	1081.1	831.4	782.8	822.6	824.0
80°	759.3	524.4	599.4	637.4	633.1
82.5°	443.5	367.2	439.1	467.1	465.6
85°	192.3	243.8	304.0	329.0	311.4
87.5°	61.6	151.3	189.4	204.2	202.6
90°	4.7	113.9	178.9	217.8	221.5
92.5°	15.8	106.5	184.5	241.9	255.3
95°	53.7	145.9	257.1	342.9	370.8
97.5°	253.3	301.6	360.3	455.5	489.1
100°	516.6	570.2	485.8	538.7	548.6
102.5°	801.1	809.7	602.9	562.5	556.6
105°	940.7	939.3	808.8	582.7	535.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	760.7	774.9	764.4	738.6	698.4
115°	651.3	660.7	665.1	658.8	644.4
117.5°	550.9	551.8	555.5	554.6	555.5
120°	456.0	466.2	474.6	469.9	464.3
122.5°	382.5	393.6	399.2	397.3	391.8
125°	314.5	331.3	337.8	336.9	334.1
127.5°	266.1	278.2	287.5	288.5	287.5
130°	231.7	239.2	248.5	249.4	250.3
132.5°	205.7	212.2	218.7	222.4	221.5
135°	186.1	189.8	196.3	198.2	200.1
137.5°	170.3	173.1	178.7	181.5	181.5
140°	156.3	160.1	164.7	166.6	167.5
142.5°	144.2	148.0	151.7	153.5	153.5
145°	134.9	138.7	141.4	142.4	143.3
147.5°	126.6	130.3	132.1	134.0	134.0
150°	120.0	121.9	124.7	125.6	126.6
152.5°	113.5	115.4	118.2	119.1	119.1
155°	107.9	109.8	111.7	112.6	112.6
157.5°	103.3	105.2	107.0	107.9	107.9
160°	99.6	100.5	102.4	103.3	103.3
162.5°	95.8	96.8	97.7	98.6	98.6
165°	93.1	94.0	94.9	94.9	94.9
167.5°	90.3	90.3	91.2	92.1	92.1
170°	87.5	88.4	88.4	89.3	89.3
172.5°	85.6	86.5	86.5	86.5	87.5
175°	83.8	84.7	84.7	85.6	85.6
177.5°	83.8	83.8	83.8	83.8	83.8
180°	83.8	83.8	83.8	83.8	83.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	944.4	955.4	888.8	691.6	569.2
110°	873.3	886.1	848.6	771.2	669.5



(END OF REPORT)