

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: P826570

Luminaire Tested: **OHBL-30HE-N-UNV-L830-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826570
REPORT IS A COMBINATION OF REPORTS P826278 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-N-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

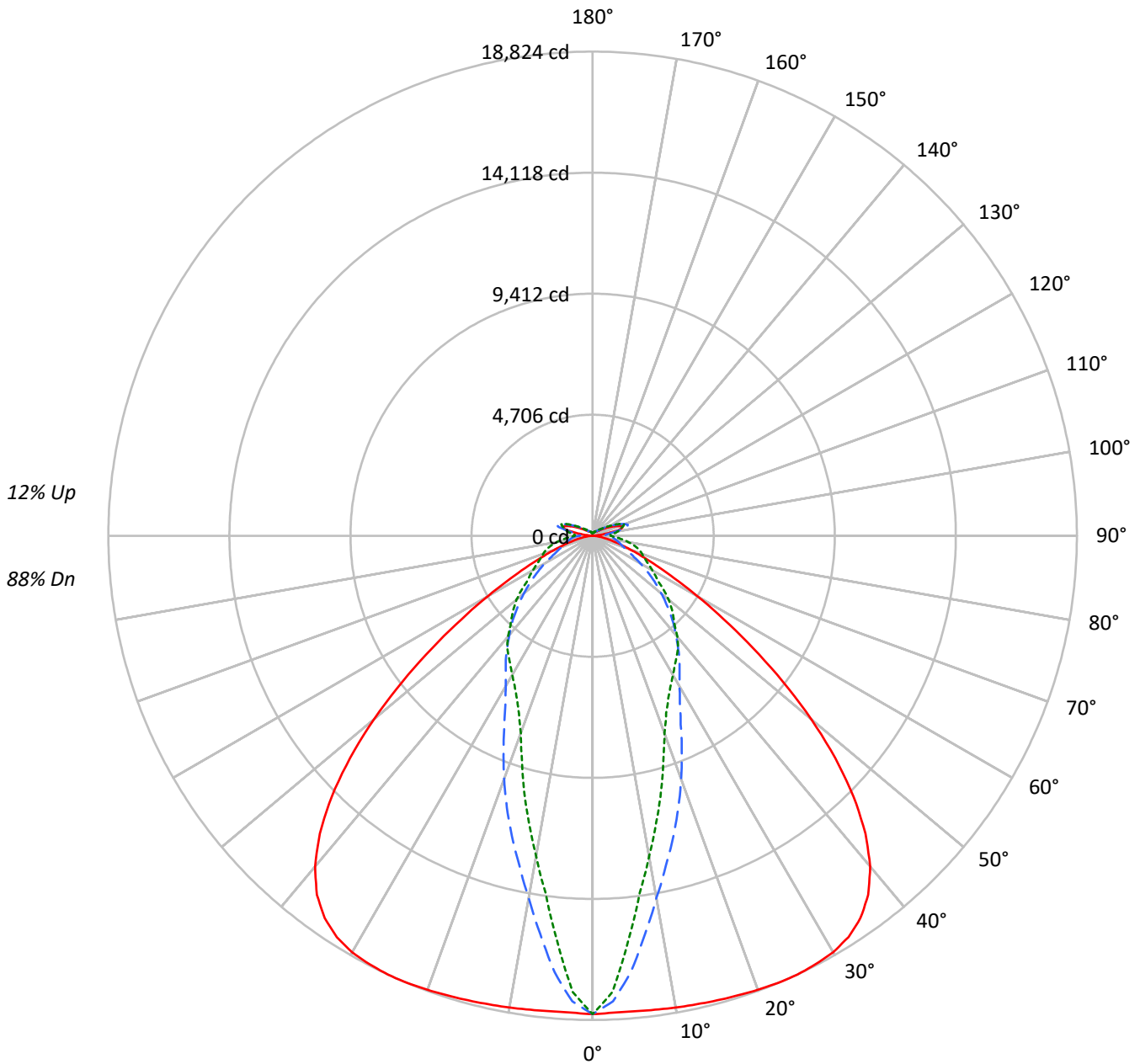
Lumens per Lamp: N/A
Luminaire Lumens: 30296.0 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29409	29409	29409
5°	29226	26794	25022
10°	29431	22580	20162
15°	29876	19320	16631
20°	30579	16344	13520
25°	31488	13535	11911
30°	32413	11666	11129
35°	32907	10638	10670
40°	32148	9615	10193
45°	29371	8695	9512
50°	24581	7688	9010
55°	18498	6741	8108
60°	12808	5788	7869
65°	8482	4992	7842
70°	5669	4695	8431
75°	3809	4856	9342
80°	2484	5404	10226
85°	1295	6821	12193



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1565.4	5.2
10°-20°	3682.5	12.2
20°-30°	4616.0	15.2
30°-40°	4898.1	16.2
40°-50°	4428.6	14.6
50°-60°	3211.0	10.6
60°-70°	2015.1	6.7
70°-80°	1333.5	4.4
80°-90°	774.3	2.6
90°-100°	592.5	2.0
100°-110°	1252.8	4.1
110°-120°	978.4	3.2
120°-130°	463.7	1.5
130°-140°	230.4	0.8
140°-150°	133.3	0.4
150°-160°	75.2	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	9863.9	32.6
0°-40°	14761.9	48.7
0°-60°	22401.6	73.9
0°-90°	26524.5	87.6
90°-120°	2823.7	9.3
90°-150°	3651.0	12.1
90°-180°	3772.0	12.5
0°-180°	30296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18596	18596	18596	18596	18596	
5°	18559	18083	17021	16232	15823	###
15°	18700	15242	12106	10766	10278	5303
25°	18824	11786	8106	7194	6966	8697
35°	18150	7835	5883	5699	5697	11283
45°	14348	4963	4264	4366	4441	10930
55°	7596	3076	2782	3018	3126	6863
65°	2717	1784	1611	2064	2294	2827
75°	839	961	1081	1680	1780	935
85°	147	398	791	1101	1011	176
90°	6	204	509	703	708	14
95°	60	224	534	713	750	198
105°	1202	1276	1399	1219	1130	1136
115°	840	876	1018	1071	1060	842
125°	425	444	528	543	536	396
135°	255	263	292	321	321	201
145°	194	199	207	223	221	123
155°	160	168	172	175	172	72
165°	119	120	121	123	123	34
175°	108	109	109	110	110	10
180°	107	107	107	107	107	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18596.0	18596.0	18596.0	18596.0	18596.0
2.5°	18557.0	18450.9	18119.9	17918.1	17748.2
5°	18558.8	18082.7	17020.8	16231.5	15822.6
7.5°	18585.3	17527.0	15613.8	14461.6	14012.0
10°	18626.1	16838.5	14300.5	13072.3	12652.8
12.5°	18656.2	16063.3	13144.8	11882.9	11422.8
15°	18700.4	15242.1	12105.9	10766.1	10277.6
17.5°	18741.1	14468.6	11079.4	9679.4	9136.1
20°	18781.9	13635.1	10052.9	8610.4	8162.6
22.5°	18820.8	12755.4	9051.1	7780.4	7474.1
25°	18824.3	11785.6	8106.0	7194.5	6966.2
27.5°	18778.3	10780.3	7339.7	6704.3	6562.6
30°	18698.7	9805.1	6744.9	6350.3	6249.4
32.5°	18500.5	8810.4	6284.8	6008.7	5950.3
35°	18150.0	7835.2	5883.1	5699.0	5697.2
37.5°	17597.8	6969.8	5447.7	5415.8	5454.7
40°	16781.9	6212.2	5035.2	5120.2	5120.2
42.5°	15693.4	5553.8	4661.8	4748.5	4725.5
45°	14348.3	4962.7	4263.6	4366.3	4440.6
47.5°	12789.1	4442.4	3856.5	4054.8	4157.4
50°	11093.5	3946.8	3484.8	3737.9	3854.7
52.5°	9316.5	3488.4	3122.0	3412.3	3506.1
55°	7596.3	3076.0	2782.3	3017.6	3125.6
57.5°	6038.7	2683.2	2449.5	2672.5	2895.5
60°	4699.0	2345.1	2136.3	2454.8	2677.8
62.5°	3589.2	2044.2	1842.4	2251.3	2474.3
65°	2716.8	1784.1	1610.6	2063.7	2293.7
67.5°	2047.8	1559.2	1430.1	1927.4	2152.2
70°	1538.0	1341.6	1284.9	1842.4	2044.2
72.5°	1136.3	1141.6	1169.9	1768.1	1922.1
75°	838.9	961.1	1081.4	1679.6	1780.5
77.5°	600.0	796.5	1001.7	1573.4	1608.8
80°	416.0	649.5	918.6	1433.6	1403.5
82.5°	260.2	520.4	844.2	1279.6	1196.4
85°	146.9	398.2	791.2	1100.8	1010.6
87.5°	65.5	297.3	692.1	858.3	801.8
90°	6.5	204.5	508.6	702.8	708.1
92.5°	23.1	185.6	484.4	666.6	686.1
95°	60.1	223.8	533.8	713.4	750.2
97.5°	332.7	424.6	657.9	834.5	892.0
100°	649.9	767.6	852.1	980.8	1003.1
102.5°	1021.1	1112.3	1122.5	1091.0	1077.2
105°	1202.5	1275.5	1399.3	1219.4	1130.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	970.6	1020.5	1182.5	1228.8	1215.3
115°	840.2	875.7	1018.0	1071.3	1059.9
117.5°	713.6	744.8	872.3	909.1	903.4
120°	603.7	633.3	737.7	769.3	761.8
122.5°	507.9	536.0	629.1	649.1	638.9
125°	425.1	444.2	528.0	543.4	536.0
127.5°	361.9	373.8	440.6	464.4	458.0
130°	314.4	325.4	377.2	403.9	402.9
132.5°	280.1	290.1	328.6	356.1	355.2
135°	255.0	263.2	291.7	321.2	321.2
137.5°	232.6	244.5	263.3	290.1	290.1
140°	216.8	225.0	240.3	263.4	264.4
142.5°	204.6	210.1	221.8	241.5	242.4
145°	194.3	198.9	207.0	223.1	221.3
147.5°	183.1	190.4	195.9	206.6	204.8
150°	174.8	182.9	186.6	192.8	192.0
152.5°	167.3	174.5	177.3	182.7	180.9
155°	159.9	168.0	171.6	175.2	171.7
157.5°	133.1	134.9	136.8	137.7	138.7
160°	128.4	129.3	131.2	132.1	133.1
162.5°	122.8	124.7	125.6	126.6	127.5
165°	119.1	120.0	121.0	122.8	122.8
167.5°	115.4	116.3	117.2	118.2	118.2
170°	112.6	113.5	114.5	114.5	114.5
172.5°	109.8	110.7	111.7	111.7	111.7
175°	107.9	108.9	108.9	109.8	109.8
177.5°	107.0	107.9	107.9	107.9	108.9
180°	107.0	107.0	107.0	107.0	107.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1201.5	1276.7	1429.4	1364.8	1246.9
110°	1104.7	1173.8	1331.1	1349.0	1296.4



(END OF REPORT)