

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: P826594

Luminaire Tested: **OHBL-36HE-N-UNV-L830-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826594
REPORT IS A COMBINATION OF REPORTS P826314 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-N-UNV-L830-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

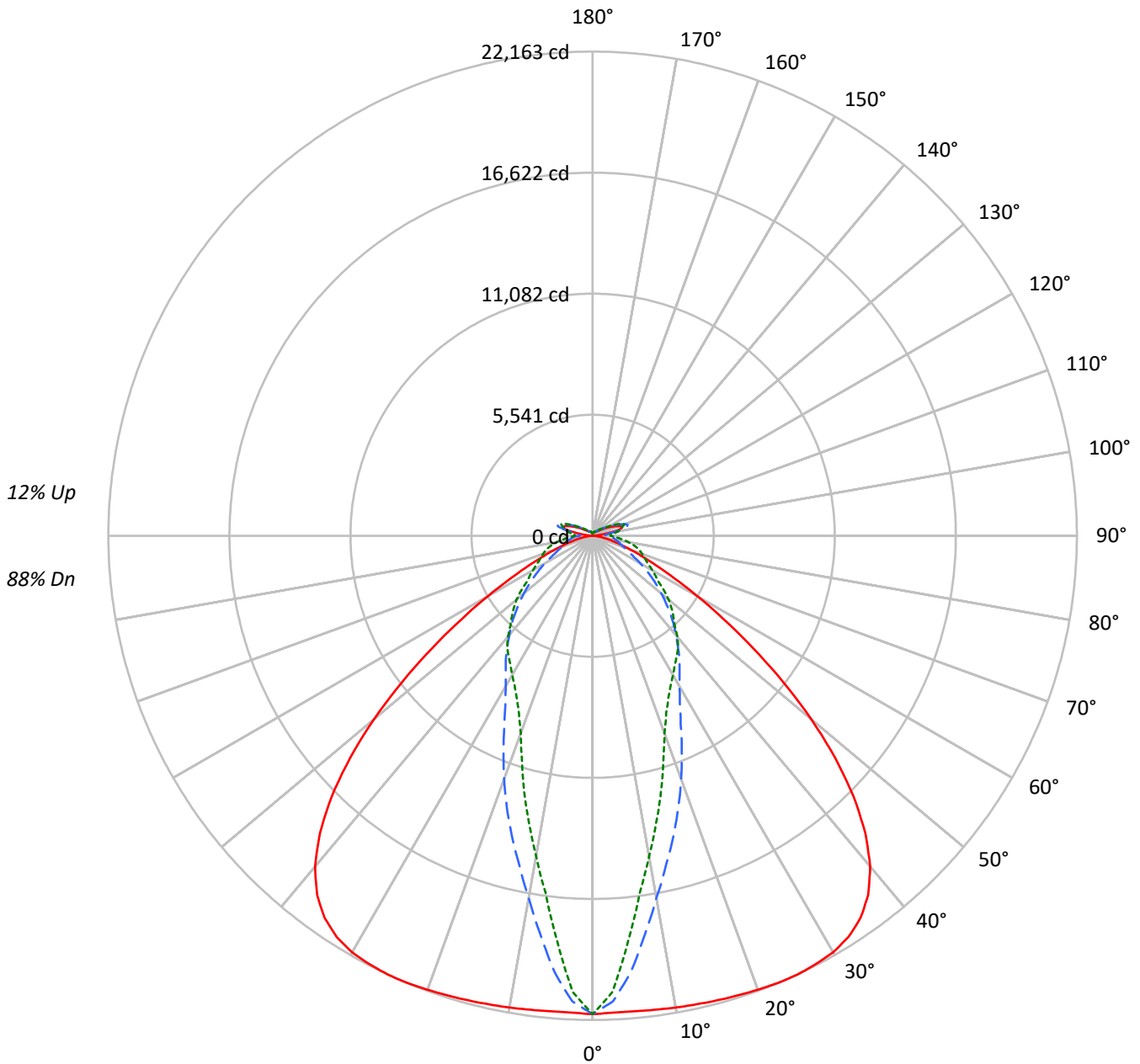
Lumens per Lamp: N/A
Luminaire Lumens: 35646.9 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 240.8
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	90	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°	34625	34625	34625
5°	34409	31546	29460
10°	34650	26585	23738
15°	35175	22747	19580
20°	36002	19242	15918
25°	37072	15935	14023
30°	38162	13735	13103
35°	38743	12525	12562
40°	37849	11321	12001
45°	34580	10237	11199
50°	28941	9052	10609
55°	21779	7936	9546
60°	15080	6814	9264
65°	9986	5877	9233
70°	6675	5527	9927
75°	4485	5717	10999
80°	2924	6362	12039
85°	1525	8030	14356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1843.0	5.2
10°-20°	4335.6	12.2
20°-30°	5434.6	15.2
30°-40°	5766.8	16.2
40°-50°	5214.1	14.6
50°-60°	3780.6	10.6
60°-70°	2372.5	6.7
70°-80°	1570.0	4.4
80°-90°	911.7	2.6
90°-100°	694.2	1.9
100°-110°	1462.0	4.1
110°-120°	1146.3	3.2
120°-130°	544.6	1.5
130°-140°	271.5	0.8
140°-150°	157.1	0.4
150°-160°	88.7	0.2
160°-170°	41.0	0.1
170°-180°	12.5	0.0
0°-30°	11613.3	32.6
0°-40°	17380.1	48.8
0°-60°	26374.7	74.0
0°-90°	31228.9	87.6
90°-120°	3302.5	9.3
90°-150°	4275.8	12.0
90°-180°	4418.0	12.4
0°-180°	35646.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21894	21894	21894	21894	21894	
5°	21850	21290	20040	19110	18629	###
15°	22017	17945	14253	12676	12100	6244
25°	22163	13876	9544	8470	8202	10239
35°	21369	9225	6926	6710	6708	13284
45°	16893	5843	5020	5141	5228	12869
55°	8944	3622	3276	3553	3680	8081
65°	3199	2100	1896	2430	2701	3328
75°	988	1132	1273	1978	2096	1101
85°	173	469	932	1296	1190	207
90°	7	242	598	828	835	16
95°	66	253	629	841	885	222
105°	1391	1463	1636	1418	1337	1323
115°	981	1010	1186	1251	1248	991
125°	497	522	618	641	630	466
135°	300	311	345	377	378	237
145°	228	235	243	263	262	144
155°	189	198	203	207	202	84
165°	140	142	143	144	145	40
175°	128	128	129	129	130	12
180°	127	127	127	127	127	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21894.1	21894.1	21894.1	21894.1	21894.1
2.5°	21848.3	21723.3	21333.6	21096.1	20896.0
5°	21850.4	21289.9	20039.6	19110.3	18628.9
7.5°	21881.6	20635.5	18383.0	17026.5	16497.2
10°	21929.6	19824.9	16836.8	15390.7	14896.9
12.5°	21965.0	18912.2	15476.2	13990.4	13448.7
15°	22017.1	17945.4	14252.9	12675.6	12100.5
17.5°	22065.1	17034.8	13044.3	11396.1	10756.4
20°	22113.0	16053.4	11835.8	10137.6	9610.3
22.5°	22158.8	15017.7	10656.4	9160.2	8799.7
25°	22162.9	13875.8	9543.7	8470.5	8201.7
27.5°	22108.8	12692.2	8641.4	7893.3	7726.6
30°	22015.0	11544.1	7941.3	7476.5	7357.8
32.5°	21781.6	10373.0	7399.5	7074.4	7005.6
35°	21369.0	9224.9	6926.4	6709.8	6707.6
37.5°	20718.9	8205.9	6413.9	6376.4	6422.1
40°	19758.3	7314.0	5928.3	6028.3	6028.3
42.5°	18476.7	6538.8	5488.6	5590.8	5563.7
45°	16893.1	5842.9	5019.8	5140.7	5228.1
47.5°	15057.3	5230.3	4540.6	4773.9	4894.8
50°	13061.1	4646.8	4102.9	4400.9	4538.4
52.5°	10968.9	4107.1	3675.8	4017.5	4127.9
55°	8943.6	3621.6	3275.6	3552.9	3680.0
57.5°	7109.8	3159.0	2884.0	3146.5	3409.1
60°	5532.4	2761.0	2515.1	2890.2	3152.7
62.5°	4225.8	2406.8	2169.2	2650.6	2913.1
65°	3198.6	2100.4	1896.2	2429.7	2700.6
67.5°	2410.9	1835.8	1683.7	2269.3	2533.9
70°	1810.8	1579.5	1512.8	2169.2	2406.8
72.5°	1337.8	1344.0	1377.4	2081.7	2263.0
75°	987.7	1131.5	1273.2	1977.5	2096.3
77.5°	706.4	937.7	1179.4	1852.5	1894.1
80°	489.7	764.7	1081.5	1687.8	1652.4
82.5°	306.3	612.6	993.9	1506.6	1408.6
85°	173.0	468.8	931.5	1296.1	1189.8
87.5°	77.1	350.1	814.8	1010.6	944.0
90°	7.4	241.5	598.3	827.5	834.8
92.5°	27.5	218.4	569.7	785.3	811.7
95°	66.1	252.9	628.7	841.4	885.4
97.5°	358.4	495.0	770.7	988.2	1035.5
100°	759.7	875.1	1005.1	1151.5	1190.9
102.5°	1185.2	1286.5	1315.2	1278.3	1267.0
105°	1391.1	1463.3	1635.6	1417.8	1337.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1146.8	1199.6	1379.0	1444.0	1424.7
115°	981.4	1010.0	1186.3	1251.1	1248.1
117.5°	844.9	866.8	1022.1	1070.5	1062.4
120°	714.6	739.5	873.9	904.6	897.1
122.5°	596.4	626.1	736.7	762.9	748.7
125°	496.8	521.9	618.4	641.3	630.0
127.5°	427.7	437.5	519.2	543.8	541.7
130°	370.9	382.6	442.9	473.8	472.0
132.5°	329.8	341.4	388.2	420.1	422.9
135°	300.0	310.7	345.2	377.2	378.1
137.5°	275.8	287.6	309.9	341.6	342.5
140°	255.3	265.1	283.2	311.9	311.9
142.5°	240.6	248.4	261.3	284.9	284.9
145°	227.9	234.6	243.4	262.9	261.8
147.5°	216.7	224.5	231.3	242.7	241.5
150°	206.5	215.5	219.2	227.3	226.2
152.5°	197.2	206.2	209.9	215.1	213.8
155°	188.8	197.8	202.7	206.7	202.5
157.5°	156.3	159.1	161.9	162.8	162.8
160°	150.8	152.6	155.4	155.4	156.3
162.5°	145.2	147.0	148.9	149.8	150.8
165°	140.5	142.4	143.3	144.2	145.2
167.5°	136.8	137.7	138.7	139.6	139.6
170°	133.1	134.0	134.9	134.9	135.9
172.5°	130.3	131.2	132.1	132.1	132.1
175°	128.4	128.4	129.3	129.3	130.3
177.5°	126.6	127.5	127.5	127.5	128.4
180°	126.6	126.6	126.6	126.6	126.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1404.1	1475.7	1673.5	1605.3	1458.0
110°	1299.2	1369.7	1560.8	1584.8	1525.9



(END OF REPORT)