

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: P826599

Luminaire Tested: **OHBL-36SE-A-UNV-L830-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826599
REPORT IS A COMBINATION OF REPORTS P826173 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-A-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

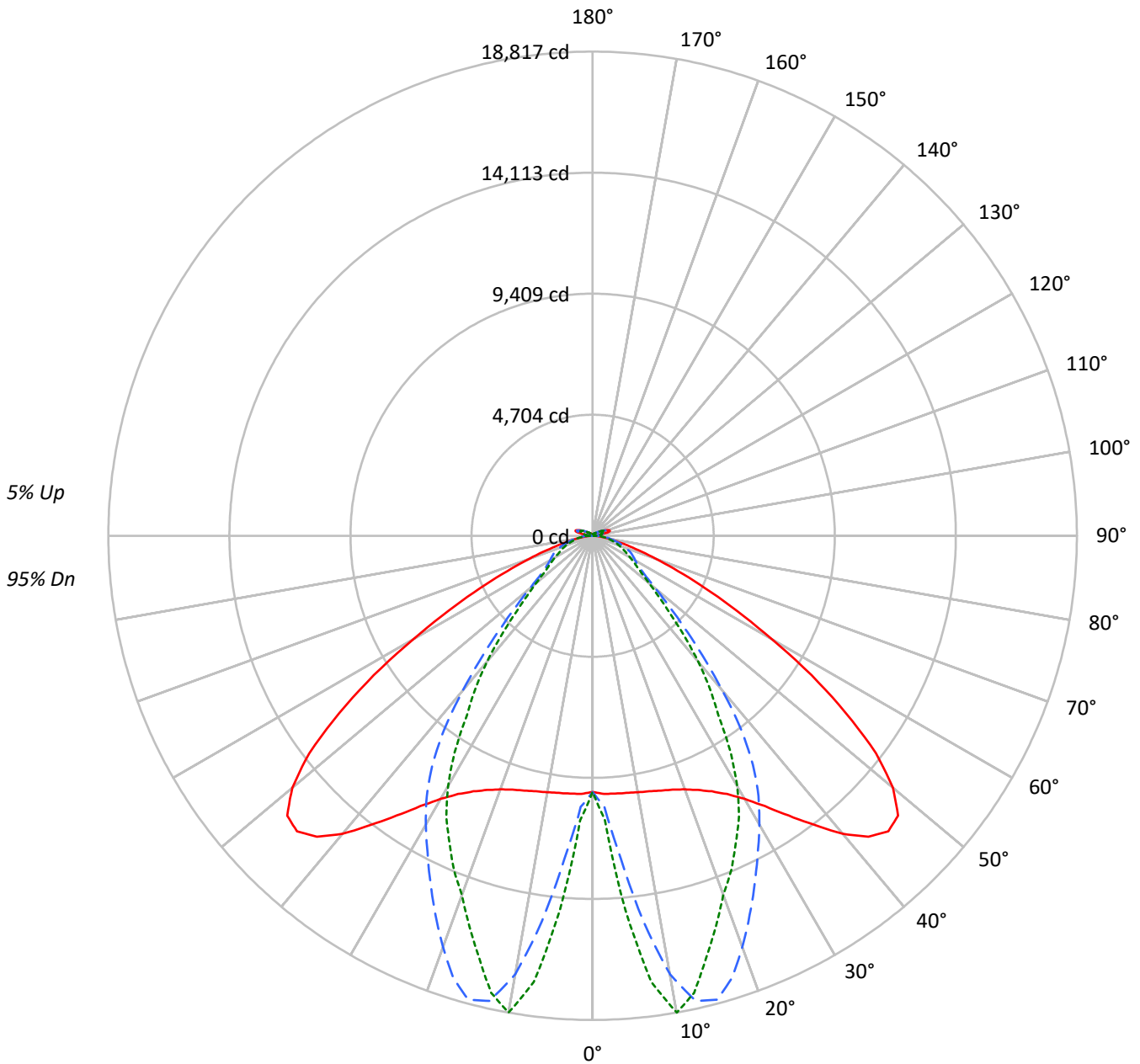
Lumens per Lamp: N/A
Luminaire Lumens: 33619.9 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 223.3
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	99	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	67	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	80	69	61	55	78	68	60	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	47	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	45	40	35	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15748	15748	15748
5°	15838	19816	23085
10°	15990	27332	29985
15°	16382	29788	27521
20°	17070	27652	24595
25°	18328	24881	22498
30°	20452	22415	20005
35°	24063	19630	15941
40°	28960	14959	12687
45°	33252	10199	9030
50°	33750	7002	6679
55°	29255	5515	5456
60°	21890	5167	4909
65°	15037	5191	4650
70°	9642	5017	4503
75°	5823	4658	4308
80°	3450	4112	4446
85°	1683	3564	4122



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1300.0	3.9
10°-20°	4588.3	13.6
20°-30°	6761.2	20.1
30°-40°	7104.9	21.1
40°-50°	5436.6	16.2
50°-60°	3282.8	9.8
60°-70°	2003.3	6.0
70°-80°	1093.4	3.3
80°-90°	388.0	1.2
90°-100°	159.3	0.5
100°-110°	553.3	1.6
110°-120°	475.4	1.4
120°-130°	228.3	0.7
130°-140°	114.0	0.3
140°-150°	66.2	0.2
150°-160°	38.6	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	12649.5	37.6
0°-40°	19754.5	58.8
0°-60°	28473.9	84.7
0°-90°	31958.5	95.1
90°-120°	1188.1	3.5
90°-150°	1596.6	4.7
90°-180°	1661.0	4.9
0°-180°	33619.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9958	9958	9958	9958	9958	
5°	10058	10790	12588	14055	14598	962
15°	10254	15971	18665	17417	17008	2915
25°	10957	18535	14901	13491	13158	5121
35°	13272	14843	10856	9041	8512	8420
45°	16245	8470	5001	4400	4215	12274
55°	12014	2872	2276	2110	2103	10616
65°	4816	1818	1675	1433	1360	4935
75°	1282	1131	1037	856	821	1475
85°	191	350	413	377	342	236
90°	4	23	32	42	46	13
95°	35	76	120	155	178	111
105°	690	683	582	410	379	654
115°	477	483	482	476	476	482
125°	233	244	250	249	248	219
135°	138	140	145	147	148	109
145°	100	102	105	106	106	64
155°	80	82	83	84	84	38
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9957.9	9957.9	9957.9	9957.9	9957.9
2.5°	10039.4	10141.8	10545.8	10965.2	11067.2
5°	10057.7	10790.5	12587.8	14055.4	14597.7
7.5°	10079.1	11841.4	15117.8	16914.7	17489.9
10°	10119.7	13170.2	17310.1	18600.0	18817.4
12.5°	10170.0	14578.1	18516.4	18469.4	18195.2
15°	10253.8	15970.6	18665.0	17417.3	17007.8
17.5°	10341.7	17148.6	18016.8	16272.1	15915.5
20°	10484.8	18023.2	17008.6	15254.0	14848.8
22.5°	10691.1	18504.0	15951.3	14333.4	14069.1
25°	10957.0	18535.2	14901.4	13490.9	13157.9
27.5°	11313.6	18105.2	13894.9	12665.5	12313.7
30°	11798.7	17281.9	12959.8	11670.2	11233.8
32.5°	12457.5	16096.9	11995.5	10468.6	9979.2
35°	13272.3	14843.3	10855.9	9040.6	8512.0
37.5°	14161.3	13451.2	9472.8	7776.3	7468.4
40°	15117.8	12016.9	7833.5	6593.0	6372.7
42.5°	15864.2	10457.4	6310.7	5478.9	5244.5
45°	16244.7	8469.7	5000.7	4400.3	4215.4
47.5°	16096.6	6574.7	3964.4	3496.4	3440.8
50°	15231.8	4854.7	3173.6	2880.2	2857.1
52.5°	13879.9	3618.5	2621.4	2439.9	2400.2
55°	12013.5	2872.1	2276.4	2109.8	2103.4
57.5°	10086.4	2439.9	2066.3	1937.3	1892.5
60°	8030.8	2175.6	1907.0	1761.4	1670.4
62.5°	6294.9	1990.7	1790.0	1592.3	1507.3
65°	4816.3	1818.2	1674.7	1433.1	1360.0
67.5°	3590.3	1653.8	1533.8	1265.6	1222.9
70°	2615.9	1485.2	1373.2	1125.6	1091.8
72.5°	1864.3	1316.9	1212.7	994.1	956.9
75°	1282.3	1130.7	1037.2	855.7	821.1
77.5°	865.1	940.7	864.3	730.6	716.1
80°	577.8	746.0	699.0	619.2	610.2
82.5°	350.5	541.5	551.7	503.4	479.1
85°	190.9	350.5	413.4	376.6	341.6
87.5°	74.7	194.3	284.8	255.8	240.8
90°	3.7	23.3	31.6	41.9	46.5
92.5°	12.1	30.7	51.2	70.7	78.2
95°	35.4	76.3	120.0	155.4	177.7
97.5°	181.5	198.2	221.5	262.4	277.3
100°	374.1	392.7	329.4	345.2	350.8
102.5°	585.3	584.4	422.5	381.5	375.9
105°	689.5	683.0	582.5	410.4	378.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	560.2	563.9	552.8	537.9	514.6
115°	477.4	483.0	482.0	476.4	475.5
117.5°	406.7	409.4	411.3	409.4	410.4
120°	339.7	346.2	349.9	347.1	345.2
122.5°	283.8	292.2	296.8	294.1	292.2
125°	232.6	243.8	250.3	249.4	247.5
127.5°	197.3	205.7	214.0	213.1	211.2
130°	171.2	177.7	183.3	184.2	185.2
132.5°	153.5	156.3	161.9	162.8	164.7
135°	137.7	140.5	145.2	147.0	148.0
137.5°	125.6	128.4	132.1	134.0	134.9
140°	115.4	118.2	121.0	122.8	123.8
142.5°	107.0	109.8	112.6	113.5	114.5
145°	100.5	102.4	105.2	106.1	106.1
147.5°	94.0	95.8	97.7	99.6	99.6
150°	88.4	90.3	92.1	93.1	94.0
152.5°	84.7	85.6	87.5	88.4	88.4
155°	80.0	81.9	82.8	83.8	83.8
157.5°	77.2	78.2	79.1	80.0	80.0
160°	74.4	74.4	75.4	76.3	76.3
162.5°	71.7	71.7	72.6	73.5	73.5
165°	68.9	69.8	69.8	70.7	70.7
167.5°	67.0	67.0	67.9	67.9	68.9
170°	65.1	65.1	66.1	66.1	66.1
172.5°	63.3	64.2	64.2	64.2	64.2
175°	62.3	62.3	63.3	63.3	63.3
177.5°	61.4	62.3	62.3	62.3	62.3
180°	62.3	62.3	62.3	62.3	62.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	696.1	696.1	642.1	498.8	417.8
110°	637.4	644.9	617.0	561.1	496.9



(END OF REPORT)