

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: P826606

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826606
REPORT IS A COMBINATION OF REPORTS P826320 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-36SE-N-UNV-L830-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

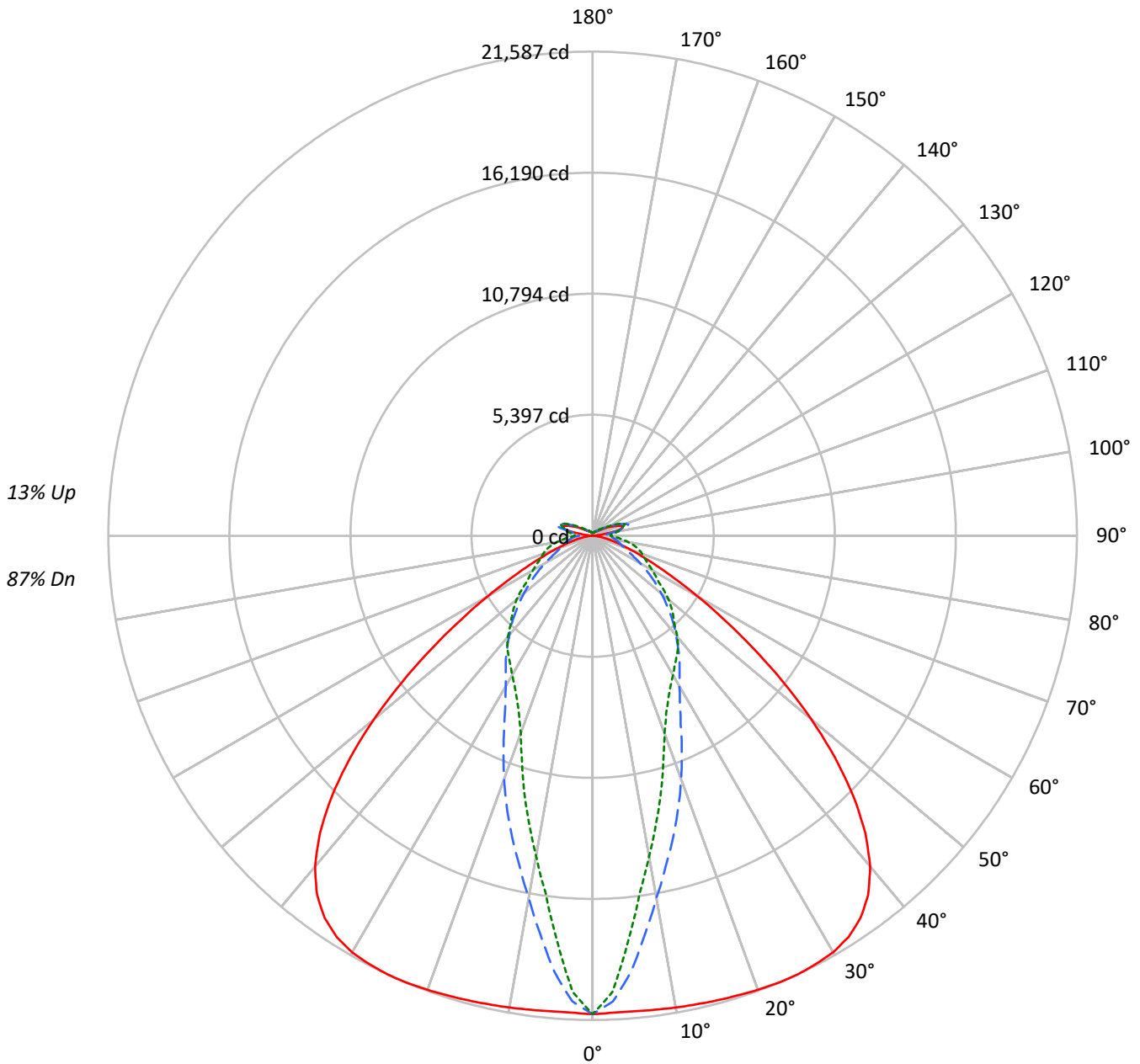
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34807.5 lumens
Efficiency: N/A
Efficacy: 145.2 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): 239.8
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	90	90	90	87																			
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	77	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	73	70	72	69	67	64																			
3	90	81	73	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	53	59	55	51	49																			
5	77	66	58	52	74	64	56	51	60	54	49	57	52	47	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	52	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	39	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	55	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°	33726	33726	33726
5°	33515	30727	28695
10°	33750	25894	23121
15°	34261	22156	19072
20°	35067	18743	15505
25°	36110	15521	13659
30°	37171	13379	12762
35°	37737	12199	12236
40°	36866	11027	11690
45°	33681	9972	10908
50°	28189	8817	10333
55°	21213	7730	9297
60°	14688	6637	9024
65°	9727	5725	8993
70°	6501	5384	9669
75°	4368	5569	10713
80°	2848	6197	11726
85°	1484	7822	13983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1795.2	5.2
10°-20°	4223.0	12.1
20°-30°	5293.5	15.2
30°-40°	5617.0	16.1
40°-50°	5078.6	14.6
50°-60°	3682.4	10.6
60°-70°	2310.9	6.6
70°-80°	1529.2	4.4
80°-90°	888.2	2.6
90°-100°	682.8	2.0
100°-110°	1454.1	4.2
110°-120°	1141.5	3.3
120°-130°	542.2	1.6
130°-140°	270.5	0.8
140°-150°	156.6	0.4
150°-160°	88.5	0.3
160°-170°	41.0	0.1
170°-180°	12.5	0.0
0°-30°	11311.6	32.5
0°-40°	16928.6	48.6
0°-60°	25689.6	73.8
0°-90°	30417.9	87.4
90°-120°	3278.4	9.4
90°-150°	4247.7	12.2
90°-180°	4390.0	12.6
0°-180°	34807.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21325	21325	21325	21325	21325	
5°	21283	20737	19519	18614	18145	###
15°	21445	17479	13883	12346	11786	6082
25°	21587	13515	9296	8250	7989	9973
35°	20814	8985	6746	6536	6533	12939
45°	16454	5691	4889	5007	5092	12535
55°	8711	3528	3191	3461	3584	7871
65°	3116	2046	1847	2367	2630	3242
75°	962	1102	1240	1926	2042	1072
85°	168	457	907	1262	1159	202
90°	7	236	584	808	815	16
95°	66	249	616	825	868	222
105°	1391	1461	1627	1406	1325	1323
115°	981	1008	1180	1244	1240	991
125°	496	521	615	637	626	465
135°	300	310	344	375	376	237
145°	227	234	243	262	261	144
155°	188	197	202	206	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°	21325.4	21325.4	21325.4	21325.4	21325.4
2.5°	21280.8	21159.0	20779.5	20548.1	20353.2
5°	21282.8	20736.9	19519.1	18613.8	18145.0
7.5°	21313.3	20099.5	17905.5	16584.2	16068.6
10°	21360.0	19310.0	16399.5	14991.0	14509.9
12.5°	21394.4	18421.0	15074.2	13627.0	13099.3
15°	21445.2	17479.3	13882.8	12346.3	11786.1
17.5°	21491.8	16592.3	12705.5	11100.1	10477.0
20°	21538.5	15636.3	11528.4	9874.2	9360.7
22.5°	21583.2	14627.6	10379.6	8922.3	8571.2
25°	21587.2	13515.4	9295.8	8250.5	7988.6
27.5°	21534.5	12362.5	8416.9	7688.2	7525.9
30°	21443.2	11244.2	7735.0	7282.3	7166.7
32.5°	21215.8	10103.5	7207.2	6890.7	6823.7
35°	20813.9	8985.3	6746.5	6535.5	6533.4
37.5°	20180.7	7992.7	6247.2	6210.7	6255.4
40°	19245.1	7124.1	5774.3	5871.7	5871.7
42.5°	17996.9	6369.0	5346.0	5445.5	5419.2
45°	16454.3	5691.1	4889.4	5007.1	5092.4
47.5°	14666.2	5094.4	4422.6	4649.9	4767.6
50°	12721.8	4526.1	3996.4	4286.6	4420.6
52.5°	10684.0	4000.5	3580.3	3913.2	4020.7
55°	8711.2	3527.6	3190.6	3460.6	3584.3
57.5°	6925.1	3077.0	2809.1	3064.8	3320.5
60°	5388.7	2689.3	2449.8	2815.1	3070.8
62.5°	4116.1	2344.3	2112.8	2581.7	2837.4
65°	3115.5	2045.9	1847.0	2366.6	2630.4
67.5°	2348.3	1788.2	1639.9	2210.3	2468.0
70°	1763.8	1538.5	1473.5	2112.8	2344.3
72.5°	1303.1	1309.1	1341.6	2027.6	2204.2
75°	962.0	1102.1	1240.2	1926.2	2041.8
77.5°	688.1	913.3	1148.8	1804.3	1844.9
80°	477.0	744.9	1053.4	1644.0	1609.5
82.5°	298.3	596.7	968.2	1467.4	1372.0
85°	168.4	456.6	907.3	1262.4	1158.9
87.5°	75.1	341.0	793.6	984.3	919.4
90°	7.4	236.4	584.3	807.8	814.8
92.5°	27.4	214.1	556.8	767.2	793.1
95°	65.8	249.4	616.3	824.6	867.9
97.5°	358.2	491.8	759.1	972.6	1019.2
100°	759.4	872.3	994.5	1137.1	1176.0
102.5°	1184.9	1283.9	1305.4	1265.2	1253.6
105°	1390.6	1461.0	1626.7	1405.9	1325.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1146.3	1197.8	1372.2	1435.5	1415.8
115°	980.8	1008.4	1180.2	1243.6	1240.3
117.5°	844.2	865.3	1016.8	1063.9	1055.7
120°	713.9	738.2	869.3	898.9	891.5
122.5°	595.7	625.0	733.0	758.2	744.1
125°	496.2	521.0	615.4	637.4	626.2
127.5°	427.1	436.8	516.7	540.6	538.5
130°	370.4	381.9	440.8	471.0	469.2
132.5°	329.2	340.8	386.6	417.8	420.6
135°	299.5	310.1	343.8	375.1	376.0
137.5°	275.3	287.0	308.8	339.8	340.8
140°	254.8	264.5	282.2	310.2	310.2
142.5°	240.1	247.7	260.5	283.5	283.5
145°	227.2	233.9	242.6	261.7	260.6
147.5°	216.1	223.8	230.5	241.6	240.5
150°	205.8	214.7	218.4	226.4	225.3
152.5°	196.5	205.4	209.1	214.1	213.0
155°	188.2	197.0	201.8	205.7	201.7
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°	1403.6	1473.4	1665.2	1594.7	1446.9
110°	1298.7	1367.6	1553.3	1575.3	1516.0



(END OF REPORT)