

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: P826610

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826610
REPORT IS A COMBINATION OF REPORTS P826322 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-W-UNV-L830-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

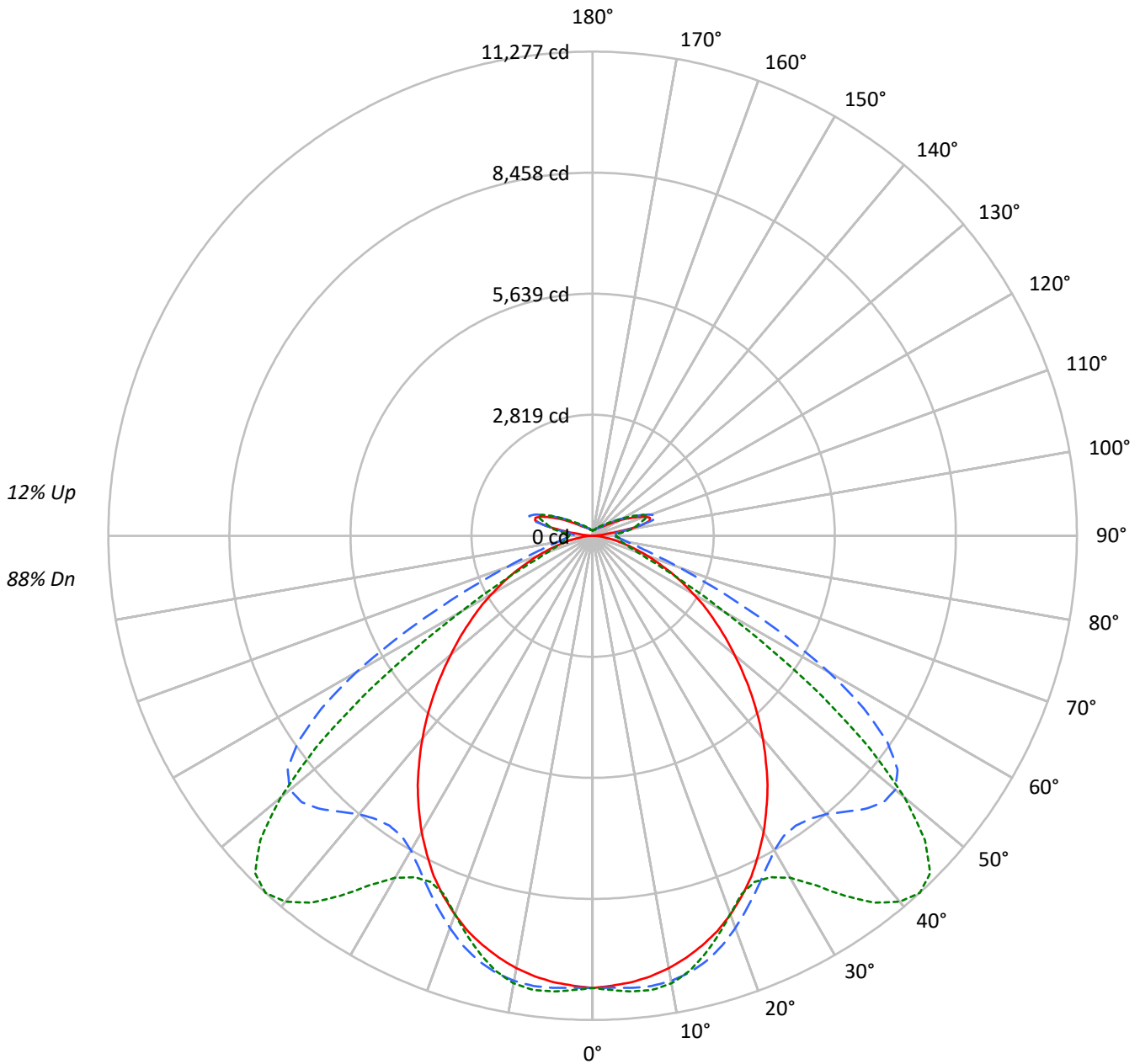
Lumens per Lamp: N/A
Luminaire Lumens: 34872.7 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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	105	105	105	98	98	98	91	91	91	88																			
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75																			
2	97	89	83	77	94	86	81	76	81	76	72	76	72	69	72	68	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	69	61	54	78	67	60	53	63	57	52	60	54	50	56	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	45	41	39																			
6	69	56	47	40	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	36	31	42	35	30	40	34	29	38	33	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16658	16658	16658
5°	16434	16643	16848
10°	16159	16625	16868
15°	15776	16357	16328
20°	15277	15802	15528
25°	14636	15129	15217
30°	13808	14630	16374
35°	12876	14909	19161
40°	11811	16157	22151
45°	10704	18340	23810
50°	9558	20296	22158
55°	8478	20289	16930
60°	7384	17185	10351
65°	6237	11884	6270
70°	4959	7697	4527
75°	3653	5531	4198
80°	2483	4880	4736
85°	1503	5407	7485



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1006.6	2.9
10°-20°	2850.4	8.2
20°-30°	4171.1	12.0
30°-40°	5417.0	15.5
40°-50°	6614.8	19.0
50°-60°	5825.4	16.7
60°-70°	3035.6	8.7
70°-80°	1301.8	3.7
80°-90°	632.3	1.8
90°-100°	549.7	1.6
100°-110°	1342.1	3.8
110°-120°	1067.6	3.1
120°-130°	512.9	1.5
130°-140°	259.4	0.7
140°-150°	148.6	0.4
150°-160°	83.8	0.2
160°-170°	41.0	0.1
170°-180°	12.5	0.0
0°-30°	8028.0	23.0
0°-40°	13445.0	38.6
0°-60°	25885.3	74.2
0°-90°	30855.0	88.5
90°-120°	2959.5	8.5
90°-150°	3880.4	11.1
90°-180°	4018.0	11.5
0°-180°	34872.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10534	10534	10534	10534	10534	
5°	10436	10515	10572	10665	10654	990
15°	9874	10152	10250	10172	10090	2780
25°	8750	9218	9061	8890	8900	4015
35°	7102	7852	8245	9615	10231	4427
45°	5229	6579	8993	10888	11115	4032
55°	3482	5763	8374	7343	6527	3125
65°	1998	3993	3834	2132	1834	1976
75°	804	1868	1232	843	800	877
85°	170	666	627	614	620	190
90°	10	286	472	540	552	17
95°	62	256	483	582	608	218
105°	1384	1451	1503	1216	1128	1316
115°	972	991	1085	1121	1116	983
125°	488	511	577	591	584	458
135°	293	299	330	357	360	231
145°	221	221	228	244	250	140
155°	182	185	183	185	185	82
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°	10533.5	10533.5	10533.5	10533.5	10533.5
2.5°	10488.1	10533.5	10535.8	10599.5	10592.6
5°	10435.8	10515.4	10572.2	10665.4	10654.0
7.5°	10349.5	10474.4	10574.5	10676.7	10667.6
10°	10226.7	10397.2	10529.0	10613.1	10585.8
12.5°	10067.7	10292.7	10422.2	10440.4	10388.1
15°	9874.5	10151.8	10249.5	10172.2	10090.4
17.5°	9656.4	9981.3	10015.4	9847.2	9745.0
20°	9383.6	9754.1	9719.9	9488.1	9374.5
22.5°	9081.4	9504.0	9395.0	9151.8	9042.8
25°	8749.5	9217.7	9060.9	8890.4	8899.6
27.5°	8360.9	8892.8	8740.4	8817.8	8963.2
30°	7965.5	8551.8	8458.7	8908.7	9195.0
32.5°	7531.5	8201.8	8285.9	9174.5	9642.7
35°	7101.9	7851.8	8245.0	9615.4	10231.3
37.5°	6627.0	7497.4	8311.0	10124.4	10769.9
40°	6165.6	7151.9	8460.9	10581.3	11126.7
42.5°	5695.2	6842.8	8713.2	10851.8	11276.7
45°	5229.3	6579.2	8992.7	10888.1	11115.3
47.5°	4763.4	6356.5	9185.9	10599.5	10494.9
50°	4313.4	6158.8	9199.6	9906.3	9479.1
52.5°	3893.0	5977.0	8949.5	8801.8	8138.3
55°	3481.7	5763.3	8374.5	7342.8	6526.9
57.5°	3106.7	5467.9	7488.3	5774.7	4883.8
60°	2708.9	5067.9	6342.9	4224.8	3522.5
62.5°	2343.0	4570.2	5058.9	2940.7	2531.7
65°	1997.6	3993.0	3833.9	2131.7	1834.0
67.5°	1631.7	3395.3	2829.4	1554.5	1363.5
70°	1345.4	2840.8	2106.7	1209.1	1097.7
72.5°	1052.2	2313.5	1575.0	981.7	920.4
75°	804.5	1868.1	1231.8	843.2	800.0
77.5°	593.1	1477.2	990.9	745.4	704.5
80°	415.9	1163.6	829.5	665.9	650.0
82.5°	279.5	899.9	706.8	634.1	636.3
85°	170.5	665.9	627.2	613.6	620.4
87.5°	81.8	472.7	538.6	559.1	565.9
90°	9.7	286.5	472.3	539.7	552.0
92.5°	23.3	239.9	435.3	512.1	529.0
95°	62.3	256.3	483.1	581.8	608.0
97.5°	352.6	490.0	620.2	742.6	771.7
100°	754.0	866.8	858.3	919.8	945.2
102.5°	1177.4	1275.0	1174.4	1062.4	1039.1
105°	1383.6	1451.2	1503.4	1216.2	1127.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1139.7	1183.3	1268.5	1296.6	1271.4
115°	972.2	990.9	1084.7	1120.8	1116.0
117.5°	835.7	851.5	933.9	957.4	949.4
120°	705.5	723.6	798.9	813.1	807.9
122.5°	587.3	611.7	679.5	695.2	685.4
125°	487.7	511.2	576.9	591.4	584.3
127.5°	418.5	426.3	489.3	507.3	509.7
130°	361.7	369.2	420.2	444.8	447.5
132.5°	322.6	330.1	371.1	396.7	404.0
135°	292.8	299.4	329.5	357.2	360.5
137.5°	268.7	274.2	295.6	323.1	328.6
140°	248.2	253.8	268.4	294.8	297.1
142.5°	233.7	237.0	248.5	269.4	271.7
145°	221.0	221.2	228.1	244.5	249.9
147.5°	209.8	211.3	216.0	226.0	229.2
150°	199.6	202.4	201.7	208.0	213.5
152.5°	190.3	193.1	192.3	193.3	198.7
155°	181.9	184.7	183.0	184.9	184.9
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°	1398.8	1460.7	1547.6	1424.4	1267.0
110°	1291.8	1353.9	1439.3	1422.6	1353.7



(END OF REPORT)