

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: P826609

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826609
REPORT IS A COMBINATION OF REPORTS P826178 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-W-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

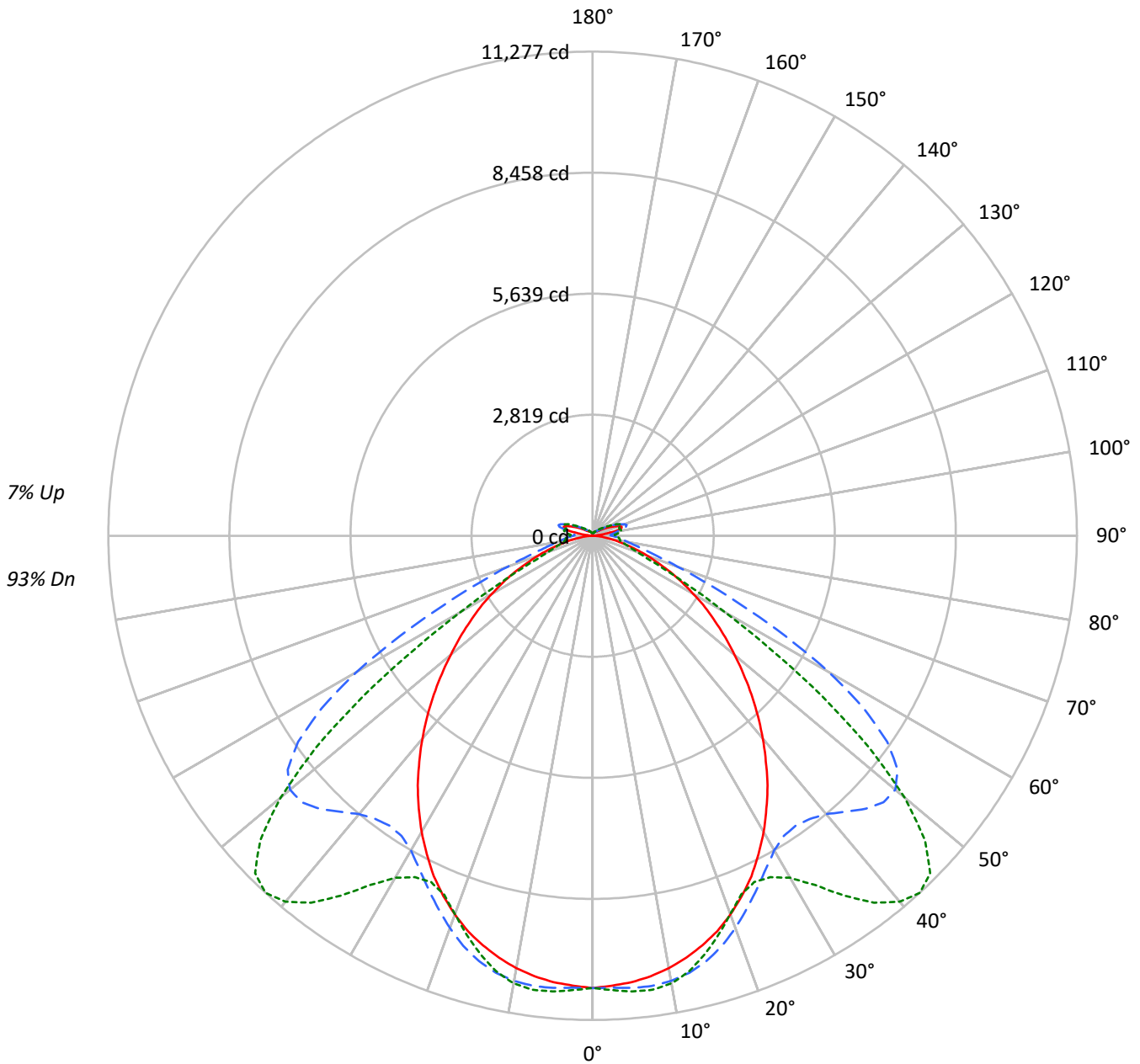
Lumens per Lamp: N/A
Luminaire Lumens: 33205.0 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	89	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	71	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	36	30	25	35	29	25	34	28	24	22																			

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	3.0
10°-20°	2850.4	8.6
20°-30°	4171.1	12.6
30°-40°	5417.0	16.3
40°-50°	6614.8	19.9
50°-60°	5825.4	17.5
60°-70°	3035.6	9.1
70°-80°	1301.8	3.9
80°-90°	629.4	1.9
90°-100°	453.1	1.4
100°-110°	735.9	2.2
110°-120°	583.4	1.8
120°-130°	287.0	0.9
130°-140°	143.5	0.4
140°-150°	80.4	0.2
150°-160°	43.6	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	8028.0	24.2
0°-40°	13445.0	40.5
0°-60°	25885.3	78.0
0°-90°	30852.1	92.9
90°-120°	1772.3	5.3
90°-150°	2283.2	6.9
90°-180°	2353.0	7.1
0°-180°	33205.0	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°	6	264	445	515	531	15
95°	40	217	450	542	576	115
105°	699	763	796	667	640	664
115°	491	528	614	638	641	496
125°	249	266	328	349	350	232
135°	151	154	182	208	212	120
145°	119	116	121	136	140	74
155°	98	100	96	97	97	43
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°	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°	6.0	264.2	445.3	514.6	530.6
92.5°	12.1	214.8	414.8	493.5	512.3
95°	39.9	217.2	449.6	541.8	575.5
97.5°	186.0	314.2	516.9	617.0	638.6
100°	380.9	492.7	593.0	665.7	678.1
102.5°	592.1	673.0	658.8	667.9	666.8
105°	698.7	762.6	796.2	667.2	640.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	573.9	618.4	702.8	719.7	701.0
115°	491.1	528.4	613.8	637.8	641.4
117.5°	422.6	450.4	527.3	552.7	555.8
120°	355.6	380.2	449.9	474.4	474.8
122.5°	299.7	319.5	385.4	407.7	408.1
125°	248.6	266.5	327.6	349.4	349.8
127.5°	211.0	221.6	279.9	301.7	302.2
130°	184.9	191.4	237.8	261.5	267.0
132.5°	167.2	170.0	207.3	231.1	237.5
135°	151.4	154.2	181.6	208.4	211.6
137.5°	139.3	142.1	161.6	186.3	191.8
140°	129.1	131.9	143.7	168.2	171.5
142.5°	122.9	123.5	133.1	152.1	155.4
145°	118.6	116.0	121.1	135.6	140.1
147.5°	112.1	111.8	113.6	124.6	126.8
150°	106.5	108.4	105.8	111.2	116.7
152.5°	102.8	103.8	101.2	102.1	106.5
155°	98.2	100.0	96.5	97.4	97.4
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°	707.4	766.5	832.9	728.3	651.9
110°	648.8	706.2	785.1	765.7	706.0



(END OF REPORT)