

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: P828107

Luminaire Tested: **OHBL-36SE-NL-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828107
REPORT IS A COMBINATION OF REPORTS P826177 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-NL-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

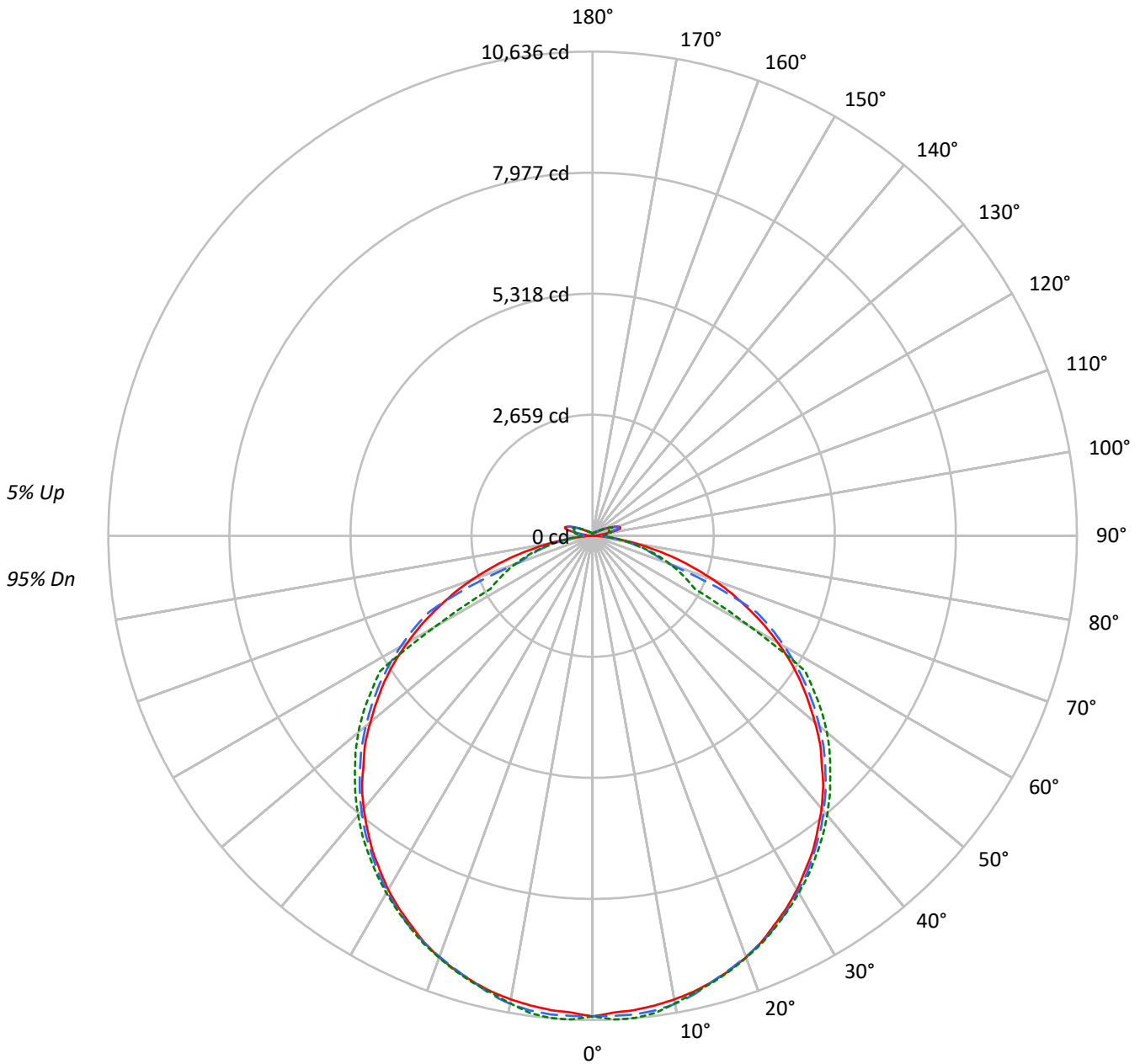
Lumens per Lamp: N/A
Luminaire Lumens: 31134.1 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

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	114	114	114	114	108	108	108	102	102	102	97	97	97	95																			
1	108	103	99	96	105	101	97	94	96	93	90	91	88	86	86	84	83	80																			
2	99	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	40	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16697	16697	16697
5°	16525	16670	16842
10°	16448	16598	16669
15°	16363	16350	16523
20°	16255	16217	16441
25°	16055	16119	16366
30°	15885	15945	16294
35°	15678	15738	16231
40°	15428	15544	16182
45°	15077	15270	16082
50°	14701	14960	16018
55°	14245	14567	15746
60°	13555	13983	12164
65°	12562	13231	8102
70°	11281	6812	7746
75°	9394	6170	7223
80°	6633	5181	6324
85°	2692	4184	5472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1003.0	3.2
10°-20°	2872.0	9.2
20°-30°	4370.0	14.0
30°-40°	5313.3	17.1
40°-50°	5586.6	17.9
50°-60°	5101.3	16.4
60°-70°	3270.2	10.5
70°-80°	1544.8	5.0
80°-90°	432.1	1.4
90°-100°	256.1	0.8
100°-110°	526.6	1.7
110°-120°	434.3	1.4
120°-130°	204.5	0.7
130°-140°	102.1	0.3
140°-150°	59.3	0.2
150°-160°	34.6	0.1
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	8245.0	26.5
0°-40°	13558.2	43.5
0°-60°	24246.1	77.9
0°-90°	29493.2	94.7
90°-120°	1217.1	3.9
90°-150°	1582.9	5.1
90°-180°	1641.0	5.3
0°-180°	31134.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10558	10558	10558	10558	10558	
5°	10460	10500	10554	10612	10634	995
15°	10143	10219	10141	10156	10163	2863
25°	9439	9454	9487	9502	9494	4355
35°	8437	8387	8483	8587	8563	5272
45°	7116	7103	7223	7394	7381	5500
55°	5576	5534	5721	5912	5926	4973
65°	3757	3757	3976	2280	2288	3725
75°	1856	1892	1228	1293	1299	1957
85°	243	308	383	415	393	359
90°	3	125	199	239	240	13
95°	37	122	230	304	324	103
105°	627	632	551	397	367	595
115°	437	445	450	440	428	438
125°	208	218	224	223	222	196
135°	123	126	130	132	132	98
145°	90	92	94	95	95	57
155°	72	73	74	75	75	34
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10557.9	10557.9	10557.9	10557.9	10557.9
2.5°	10483.8	10519.1	10557.9	10607.9	10635.6
5°	10459.7	10500.4	10554.2	10611.7	10633.8
7.5°	10407.8	10465.1	10517.1	10557.9	10570.8
10°	10342.9	10411.6	10441.2	10437.5	10428.2
12.5°	10255.8	10328.2	10319.0	10276.2	10283.7
15°	10142.8	10218.8	10141.1	10155.8	10163.2
17.5°	10009.5	10083.7	9992.8	10022.4	10024.4
20°	9853.9	9909.5	9839.1	9863.2	9863.2
22.5°	9666.8	9705.7	9676.1	9692.8	9696.5
25°	9438.9	9453.7	9487.0	9501.9	9494.4
27.5°	9220.4	9201.8	9266.8	9301.8	9283.2
30°	8977.6	8948.0	9023.9	9081.3	9059.2
32.5°	8699.7	8681.2	8768.3	8836.8	8823.8
35°	8436.7	8386.7	8482.9	8586.8	8562.6
37.5°	8125.4	8095.8	8205.0	8314.5	8301.5
40°	7821.6	7771.6	7895.8	8025.3	8012.4
42.5°	7495.6	7436.2	7571.5	7727.3	7712.3
45°	7115.7	7102.8	7223.2	7393.6	7380.7
47.5°	6778.8	6713.8	6882.3	7047.3	7062.2
50°	6370.9	6347.0	6500.8	6700.8	6715.6
52.5°	5972.8	5956.1	6117.2	6319.2	6345.1
55°	5576.2	5533.7	5720.8	5911.6	5926.5
57.5°	5152.2	5107.6	5298.5	5506.0	5537.3
60°	4698.1	4655.5	4864.8	5057.6	4022.0
62.5°	4244.3	4214.6	4433.3	3140.2	2530.8
65°	3757.0	3757.0	3975.5	2280.5	2287.9
67.5°	3301.4	3271.8	2964.2	2048.8	2048.8
70°	2812.2	2823.4	1708.0	1795.3	1797.0
72.5°	2321.2	2362.1	1474.8	1545.0	1548.7
75°	1856.2	1891.6	1228.3	1293.2	1298.7
77.5°	1363.6	1048.6	987.3	1037.6	1039.3
80°	957.8	661.4	755.9	804.0	798.5
82.5°	559.4	463.1	553.9	589.2	587.3
85°	242.6	307.6	383.4	415.0	392.7
87.5°	77.7	190.8	238.9	257.5	255.6
90°	3.3	124.6	198.8	239.3	240.0
92.5°	10.8	108.9	194.1	248.7	257.1
95°	37.2	122.1	229.9	304.1	324.1
97.5°	166.2	216.3	285.4	364.7	381.7
100°	338.8	383.1	352.5	401.8	408.7
102.5°	533.4	549.2	413.4	400.9	397.8
105°	626.8	632.1	551.2	397.1	367.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	512.8	519.9	515.4	496.6	462.6
115°	436.8	445.4	450.1	439.6	427.6
117.5°	364.2	366.7	368.3	366.7	367.5
120°	304.2	310.0	313.3	310.8	309.2
122.5°	254.2	261.7	265.8	263.3	261.7
125°	208.3	218.3	224.2	223.3	221.7
127.5°	176.7	184.2	191.7	190.8	189.2
130°	153.3	159.2	164.2	165.0	165.8
132.5°	137.5	140.0	145.0	145.8	147.5
135°	123.3	125.8	130.0	131.7	132.5
137.5°	112.5	115.0	118.3	120.0	120.8
140°	103.3	105.8	108.3	110.0	110.8
142.5°	95.8	98.3	100.8	101.7	102.5
145°	90.0	91.7	94.2	95.0	95.0
147.5°	84.2	85.8	87.5	89.2	89.2
150°	79.2	80.8	82.5	83.3	84.2
152.5°	75.8	76.7	78.3	79.2	79.2
155°	71.7	73.3	74.2	75.0	75.0
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	632.6	641.8	600.9	463.3	379.7
110°	582.0	594.2	574.7	517.4	446.8



(END OF REPORT)