

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: P828108

Luminaire Tested: **OHBL-36SE-NL-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828108
REPORT IS A COMBINATION OF REPORTS P826321 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-NL-UNV-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

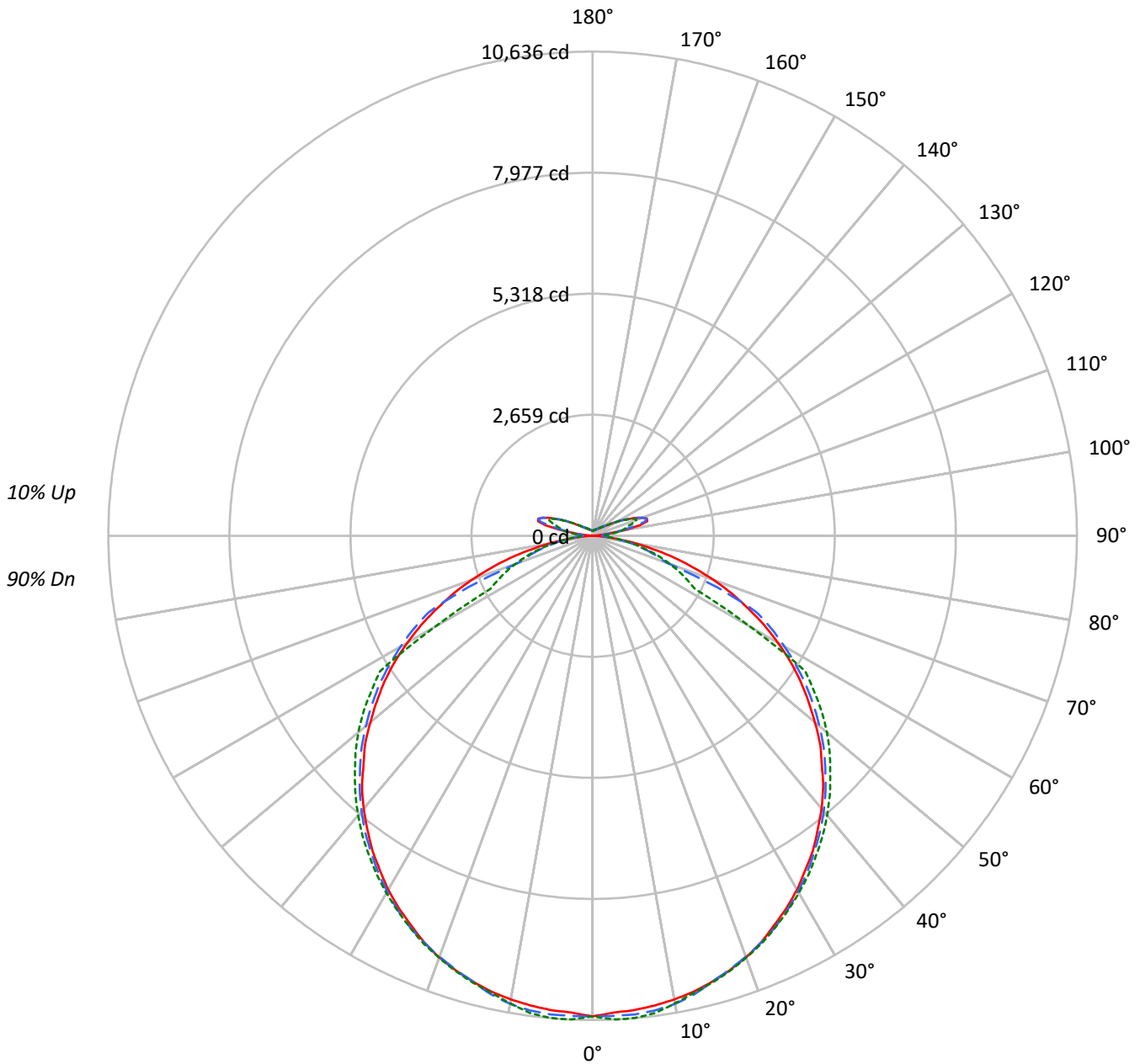
Lumens per Lamp: N/A
Luminaire Lumens: 32627.7 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90																			
1	107	103	98	95	103	99	96	92	93	90	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	60	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	46																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	57	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	22																			

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	3.1
10°-20°	2872.0	8.8
20°-30°	4370.0	13.4
30°-40°	5313.3	16.3
40°-50°	5586.6	17.1
50°-60°	5101.3	15.6
60°-70°	3270.2	10.0
70°-80°	1544.8	4.7
80°-90°	434.8	1.3
90°-100°	342.7	1.1
100°-110°	1069.5	3.3
110°-120°	868.0	2.7
120°-130°	406.7	1.2
130°-140°	205.9	0.6
140°-150°	120.4	0.4
150°-160°	70.6	0.2
160°-170°	36.7	0.1
170°-180°	11.2	0.0
0°-30°	8245.0	25.3
0°-40°	13558.2	41.6
0°-60°	24246.1	74.3
0°-90°	29495.9	90.4
90°-120°	2280.2	7.0
90°-150°	3013.3	9.2
90°-180°	3132.0	9.6
0°-180°	32627.7	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°	7	145	223	262	259	15
95°	57	157	260	340	353	195
105°	1240	1249	1185	889	804	1179
115°	868	860	872	872	853	874
125°	422	438	448	440	432	398
135°	250	256	262	265	266	198
145°	182	186	190	192	193	116
155°	147	149	152	153	153	69
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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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°	6.7	144.6	222.9	261.8	259.2
92.5°	20.8	131.4	212.4	265.3	272.1
95°	57.2	157.1	259.9	339.9	353.2
97.5°	315.4	373.8	377.9	477.2	500.8
100°	672.9	718.1	590.0	629.2	647.8
102.5°	1057.6	1088.4	875.1	754.2	731.2
105°	1240.1	1248.8	1184.6	888.8	803.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1019.5	1025.8	1022.1	1013.3	973.4
115°	867.6	859.6	871.8	872.1	852.6
117.5°	734.2	725.8	732.5	729.2	720.0
120°	617.5	617.5	625.8	614.2	607.5
122.5°	511.7	523.3	529.2	520.8	510.0
125°	422.5	437.5	447.5	440.0	431.7
127.5°	362.5	367.5	379.2	375.0	375.0
130°	311.7	318.3	327.5	329.2	327.5
132.5°	276.7	283.3	291.7	294.2	296.7
135°	250.0	255.8	262.5	265.0	265.8
137.5°	228.3	233.3	238.3	242.5	243.3
140°	210.0	215.0	220.0	223.3	223.3
142.5°	195.0	200.0	204.2	206.7	206.7
145°	181.7	185.8	190.0	192.5	193.3
147.5°	171.7	175.0	179.2	180.0	180.8
150°	162.5	165.0	168.3	170.0	170.8
152.5°	154.2	156.7	160.0	160.8	161.7
155°	146.7	149.2	151.7	153.3	153.3
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1251.8	1263.4	1240.9	1086.7	930.5
110°	1157.8	1174.2	1160.5	1105.8	1026.8



(END OF REPORT)